



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0575

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: ABB

Manufacturer's Technical Representative: Donald Falk

Mailing Address: 18250 W. Lincoln Avenue, New Berlin, WI 53146

Telephone: (262) 785-8334

Email: donald.e.falk@us.abb.com

Product Information

Product Name: ABB Drives for Multipurpose Applications

Product Model Number(s): ACS580, ACH580, ACQ580, AYK580, ACS880, ACS180, ACH180

Product Category: Industrial Control Panels

Product Sub-Category: Variable Frequency Drives and Starters

General Description: Variable Frequency Drives that can control an AC motor with either VFD or Bypass.

Mounting Description: Several - See Certified Product Tables and UUT Sheet

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: The VMC Group

Contact Person: John Giuliano

Mailing Address: Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: john.giuliano@thevmcgroup.com

Title: President



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**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

**Certification Method**

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3  
☐ Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Kelly LaPlace

Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431

Telephone: (775) 358-5085 Email: kelly@shaketest.com

BY: Mohammad Karim

DATE: 11/17/2025



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Seismic Parameters

Design Basis of Equipment or Components ( $F_p/W_p$ ) = [Rigid] 1.5 (z/h=1.0), 1.13 (z/h=0.0); [Isolated] 4.5 (z/h=1.0), 1.88 (z/h=0.0)

S<sub>DS</sub> (Design spectral response acceleration at short period, g) = 2.0 (z/h=1.0) & 2.5 (z/h=0.0)

a<sub>p</sub> (Amplification factor) = 2.5

R<sub>p</sub> (Response modification factor) = 6.0 (Rigid); 2.0 (Isolated)

Ω<sub>0</sub> (System overstrength factor) = 2.0

I<sub>p</sub> (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 11/17/2031

Date: 11/17/2025

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: S<sub>DS</sub> (g) = 2.0 z/h = 1

Condition of Approval (if applicable): BY: Mohammad Karim

DATE: 11/17/2025

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure

| System Voltage<br>[ V ] | Model                         | Construction <sup>6</sup>                                        | ABB Model Number  | Base Drive Frame Size | Enclosure Details |           |               |              |              | Back Frame Material | Back Frame Material Thickness<br>[ mm ] | Front Cover Material | Front Cover Material Thickness<br>[ mm ] | Type 1, Type 12 Max Weight<br>[ lb ] | UUT                         |
|-------------------------|-------------------------------|------------------------------------------------------------------|-------------------|-----------------------|-------------------|-----------|---------------|--------------|--------------|---------------------|-----------------------------------------|----------------------|------------------------------------------|--------------------------------------|-----------------------------|
|                         |                               |                                                                  |                   |                       | Frame Size        | UL Rating | Height [ in ] | Width [ in ] | Depth [ in ] |                     |                                         |                      |                                          |                                      |                             |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-04A6-2 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         | Carbon Steel        | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-06A6-2 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-07A5-2 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-10A6-2 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-017A-2 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-02A1-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-03A0-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-03A5-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-04A8-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-07A6-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-012A-4 | R1                    | P1                | 1, 12     | 26.5          | 6.5          | 12.4         |                     | 1.6                                     | Plastic              | 7.0                                      | 18.1                                 | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-024A-2 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
| 440-480                 | For ACx580:<br>x = S, H, or Q |                                                                  | ACx580-zxR-031A-2 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-014A-4 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
| 575-600                 | For ACx580:<br>x = S, H, or Q |                                                                  | ACx580-zxR-023A-4 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-02A7-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-03A9-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-06A1-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-09A0-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-011A-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-017A-6 | R2                    | P2                | 1, 12     | 30.2          | 6.5          | 12.7         |                     | 1.6                                     | Plastic              | 7.0                                      | 22                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-046A-2 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Extrapolated                |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-059A-2 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-027A-4 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-034A-4 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Extrapolated                |
|                         |                               |                                                                  | ACx580-zxR-044A-4 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Extrapolated                |
|                         |                               |                                                                  | ACH580-PCR-044A-4 | R3                    | P3                | 1         | 34.0          | 8.0          | 12.0         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | UUT-07A,B,C,D               |
| 575-600                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-022A-6 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Interpolated                |
|                         |                               |                                                                  | ACx580-zxR-027A-6 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Interpolated                |
|                         |                               |                                                                  | ACx580-zxR-032A-6 | R3                    | P3                | 1, 12     | 36.5          | 8.4          | 13.2         |                     | 1.6                                     | Plastic              | 10.2                                     | 39                                   | Interpolated                |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-075A-2 | R4                    | P4                | 1, 12     | 42.6          | 8.4          | 14.3         |                     | 1.6                                     | Carbon Steel         | 2.0                                      | 60                                   | Interpolated                |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-052A-4 | R4                    | P4                | 1, 12     | 42.6          | 8.4          | 14.3         |                     | 1.6                                     | Carbon Steel         | 2.0                                      | 60                                   | Interpolated                |
|                         |                               |                                                                  | ACx580-zxR-077A-4 | R4                    | P4                | 1, 12     | 42.6          | 8.4          | 14.3         |                     | 1.6                                     | Carbon Steel         | 2.0                                      | 60                                   | Interpolated                |
|                         |                               |                                                                  | ACx580-zxR-065A-4 | R4                    | P4                | 1, 12     | 42.6          | 8.4          | 14.3         |                     | 1.6                                     | Carbon Steel         | 2.0                                      | 59                                   | Interpolated                |
|                         |                               |                                                                  | ACH580-PCR-065A-4 | R4                    | P4                | 12        | 39.0          | 8.0          | 13.0         |                     | 1.6                                     | Carbon Steel         | 2.0                                      | 59                                   | UUT-08A,B,C,D               |
| 575-600                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACH580-zxR-041A-6 | R5                    | P5                | 1         | 56.8          | 8.5          | 13.3         |                     | 1.8                                     | NA                   | NA                                       | 116                                  | Interpolated <sup>[4]</sup> |
|                         |                               |                                                                  | ACH580-zxR-052A-6 | R5                    | P5                | 1         | 56.8          | 8.5          | 13.3         |                     | 1.8                                     | NA                   | NA                                       | 116                                  | Interpolated <sup>[4]</sup> |
|                         |                               |                                                                  | ACH580-zxR-062A-6 | R5                    | P5                | 1         | 56.8          | 8.5          | 13.3         |                     | 1.8                                     | NA                   | NA                                       | 116                                  | Interpolated <sup>[4]</sup> |
|                         |                               |                                                                  | ACH580-zxR-077A-6 | R5                    | P5                | 1         | 56.8          | 8.5          | 13.3         |                     | 1.8                                     | NA                   | NA                                       | 116                                  | Interpolated <sup>[4]</sup> |

Notes:

1. ABB is the manufacturer for all units.

2. All units are wall mounted.

3. S, H, Q in models are identical product with different industry use.

4. All units were tested in rigid and isolated mounting configurations to S<sub>DS</sub>=2.0 at z/h=1.0, and S<sub>DS</sub>=2.5 at z/h=0.0.

5. P5 units are depopulated versions of V5 units and are interpolated by testing of UUT-21

6. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Model                         | Construction <sup>4</sup>                                           | ABB Model Number  | Base Drive Frame Size | Enclosure Details |           |               |              |              | Thickness<br>[ mm ] | Max Weight<br>[ lb ] | UUT          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------|-------------------|-----------------------|-------------------|-----------|---------------|--------------|--------------|---------------------|----------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     |                   |                       | Frame Size        | UL Rating | Height [ in ] | Width [ in ] | Depth [ in ] |                     |                      |              |
| 200-240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-04A6-2 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-06A6-2 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-07A5-2 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-10A6-2 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-017A-2 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-02A1-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-03A0-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-03A5-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-04A8-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-07A6-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-012A-4 | R1                    | V1                | 1         | 40.2          | 5.4          | 10.6         | 1.6                 | 30                   | Extrapolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VCR-012A-4 | R1                    | V1                | 1         | 40.0          | 5.0          | 9.0          | 1.6                 | 30                   | UUT-05       |
| 200-240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-024A-2 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-014A-4 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-023A-4 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
| 575-600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-02A7-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-03A9-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-06A1-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-09A0-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-011A-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-017A-6 | R2                    | V2                | 1         | 44.1          | 5.4          | 10.8         | 1.6                 | 50.8                 | Interpolated |
| 200-240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-031A-2 | R2                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-027A-4 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-034A-4 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-044A-4 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
| 575-600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-022A-6 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-027A-6 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-032A-6 | R3                    | V3                | 1         | 47.7          | 8.5          | 10.9         | 1.6                 | 59.6                 | Interpolated |
| 200-240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-046A-2 | R3                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-059A-2 | R3                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-075A-2 | R4                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACH580                        | For VxR,<br>x = C or D                                              | ACH580-VxR-052A-4 | R4                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-077A-4 | R4                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VxR-065A-4 | R4                    | V4                | 1         | 56.8          | 8.5          | 12.0         | 1.6                 | 86                   | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACH580-VCR-065A-4 | R4                    | V4                | 1         | 56.0          | 8.0          | 10.0         | 1.6                 | 86                   | UUT-06       |
| 575-600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = V, B, P, or O<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-041A-6 | R5                    | V5                | 1         | 56.8          | 8.5          | 13.3         | 1.8                 | 116                  | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACx580-zxR-052A-6 | R5                    | V5                | 1         | 56.8          | 8.5          | 13.3         | 1.8                 | 116                  | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACx580-zxR-062A-6 | R5                    | V5                | 1         | 56.8          | 8.5          | 13.3         | 1.8                 | 116                  | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                                                                     | ACx580-zxR-077A-6 | R5                    | V5                | 1         | 56.8          | 8.5          | 13.3         | 1.8                 | 116                  | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ACH580                        | -                                                                   | ACH580-VCR-077A-6 | R5                    | V5                | 1         | 56.0          | 8.0          | 12.0         | 1.8                 | 116                  | UUT-21       |
| <div>Notes:</div> <div><div>1. ABB is the manufacturer for all units.</div><div>2. All units are wall mounted.</div><div>3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.</div><div>4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.</div><div>5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing</div><div>6. S, H, Q in models are identical product with different industry use.</div></div> |                               |                                                                     |                   |                       |                   |           |               |              |              |                     |                      |              |

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage | Model                      | Construction <sup>4</sup> | ABB Model Number  | Base Drive | Enclosure Details |    |        |       |       | Thickness [ mm ] | Max Weight | UUT          |
|----------------|----------------------------|---------------------------|-------------------|------------|-------------------|----|--------|-------|-------|------------------|------------|--------------|
|                |                            |                           |                   |            | Frame             | UL | Height | Width | Depth |                  |            |              |
| 200-240        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-04A6-2 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-06A6-2 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-07A5-2 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-10A6-2 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-017A-2 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
| 440-480        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-02A1-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-03A0-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-03A5-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-04A8-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-07A6-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VxR-012A-4 | R1         | V1                | 12 | 45.6   | 6.5   | 11.5  | 1.6              | 46         | Extrapolated |
|                |                            |                           | ACH580-VCR-012A-4 | R1         | V1                | 12 | 44.5   | 6.5   | 10.3  | 1.6              | 46         | UUT-36A,B    |
| 200-240        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-024A-2 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
| 440-480        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-014A-4 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-023A-4 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
| 575-600        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-02A7-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-03A9-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-06A1-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-09A0-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-011A-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
|                |                            |                           | ACH580-VxR-017A-6 | R2         | V2                | 12 | 49.3   | 6.5   | 11.5  | 1.6              | 50         | Interpolated |
| 200-240        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-031A-2 | R2         | V3                | 12 | 53.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
| 440-480        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-027A-4 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-034A-4 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-044A-4 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
| 575-600        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-022A-6 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-027A-6 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-032A-6 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
| 200-240        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-046A-2 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-059A-2 | R3         | V3                | 12 | 52.7   | 9.6   | 12.6  | 1.6              | 90         | Interpolated |
|                |                            |                           | ACH580-VxR-075A-2 | R4         | V4                | 12 | 58.7   | 9.6   | 12.6  | 1.6              | 108        | Interpolated |
| 440-480        | ACH580                     | For VxR, x = C or D       | ACH580-VxR-052A-4 | R4         | V4                | 12 | 58.7   | 9.6   | 12.6  | 1.6              | 108        | Interpolated |
|                |                            |                           | ACH580-VxR-065A-4 | R4         | V4                | 12 | 58.7   | 9.6   | 12.6  | 1.6              | 108        | Interpolated |
|                |                            |                           | ACH580-VxR-077A-4 | R4         | V4                | 12 | 58.7   | 9.6   | 12.6  | 1.6              | 108        | Interpolated |
|                |                            |                           | ACH580-VCR-077A-4 | R4         | V4                | 12 | 57.5   | 9.5   | 11.3  | 1.6              | 110        | UUT-37A,B    |
| 208/240        | ACS880                     | For PxR: x = C or D       | ACS880-PxR-087A-2 | R5         | PxB3R-3           | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
| 208/240        | For ACx580: x = S, H, or Q | For PxR: x = C or D       | ACS880-PxR-115A-2 | R5         | PxB3R-3           | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
|                |                            |                           | ACx580-PxR-088A-2 | R5         | PxB3R-3           | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
| 440-480        | For ACx580: x = S, H, or Q | For PxR: x = C or D       | ACx580-PxR-114A-2 | R5         | PxB3R-3           | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
|                |                            |                           | ACx580-PxR-096A-4 | R5         | PxB3R-3           | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
| 208/240        | For ACx580: x = S, H, or Q | For BxR: x = C or D       | ACx580-BxR-088A-2 | R5         | Bx3R-3            | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
|                |                            |                           | ACx580-BxR-114A-2 | R5         | Bx3R-3            | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
| 440-480        | For ACx580: x = S, H, or Q | For BxR: x = C or D       | ACx580-BxR-096A-4 | R5         | Bx3R-3            | 3R | 39.4   | 30.0  | 15.9  | 1.52             | 235        | Extrapolated |
| 440-480        | For ACx580: x = S, H, or Q | For BxR: x = C or D       | ACx580-BxR-096A-4 | R5         | BX1-4             | 1  | 61.9   | 19.3  | 19.0  | 1.52             | 275        | Extrapolated |
| 440-480        | For ACx580: x = S, H, or Q | -                         | ACH580-BCR-096A-4 | R5         | BX1-4             | 1  | 62.0   | 19.5  | 19.0  | 1.52             | 243        | UUT-16       |
| 208/240        | For ACx580: x = S, H, or Q | For BxR: x = C or D       | ACx580-BxR-088A-2 | R5         | BX1-4             | 1  | 61.9   | 19.3  | 19.0  | 1.52             | 275        | Interpolated |
|                |                            |                           | ACx580-BxR-114A-2 | R5         | BX1-4             | 1  | 61.9   | 19.3  | 19.0  | 1.52             | 275        | Interpolated |

Notes: 1. ABB is the manufacturer for all units. 2. All units are wall mounted. 3. All units were tested in riad and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0. 4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers. 5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing 6. S, H, Q in models are identical product with different industry use.

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Model                         | Construction <sup>4</sup> | ABB Model Number  | Base Drive Frame Size | Enclosure Details |           |               |              |              | Thickness [ mm ] | Max Weight [ lb ] | UUT          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------|-------------------|-----------------------|-------------------|-----------|---------------|--------------|--------------|------------------|-------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           |                   |                       | Frame Size        | UL Rating | Height [ in ] | Width [ in ] | Depth [ in ] |                  |                   |              |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-087A-2 | R5                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-115A-2 | R5                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-145A-2 | R6                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-170A-2 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-206A-2 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-088A-2 | R5                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-114A-2 | R5                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-143A-2 | R6                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-169A-2 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-211A-2 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-096A-4 | R6                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-124A-4 | R6                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-156A-4 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-180A-4 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-096A-4 | R5                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-124A-4 | R6                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-156A-4 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-PxR-180A-4 | R7                    | PXB1-4            | 1         | 61.9          | 19.3         | 19.0         | 1.52             | 335               | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-088A-2 | R5                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-114A-2 | R5                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-143A-2 | R6                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-169A-2 | R7                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-096A-4 | R5                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-124A-4 | R6                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-156A-4 | R7                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-180A-4 | R7                    | BX12-4            | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 432               | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-143A-2 | R6                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-169A-2 | R7                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-211A-2 | R7                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-273A-2 | R8                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-124A-4 | R6                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-156A-4 | R7                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-180A-4 | R7                    | BX1-5             | 1         | 73.4          | 34.8         | 20.4         | 1.9              | 443               | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-088A-2 | R5                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-114A-2 | R5                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-143A-2 | R6                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-169A-2 | R7                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-096A-4 | R5                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-124A-4 | R6                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-156A-4 | R7                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACx580-BxR-180A-4 | R7                    | Bx3R-4            | 3R        | 51.0          | 36.0         | 20.4         | 1.52             | 443               | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-087A-2 | R5                    | PXB12-5           | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-115A-2 | R5                    | PXB12-5           | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-145A-2 | R6                    | PXB12-5           | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-170A-2 | R7                    | PXB12-5           | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 443               | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                           | ACS880-PxR-206A-2 | R7                    | PXB12-5           | 12        | 48.0          | 36.0         | 21.0         | 1.52             | 443               | Interpolated |
| Notes: 1. ABB is the manufacturer for all units.<br>2. All units are wall mounted.<br>3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.<br>4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.<br>5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing<br>6. S, H, Q in models are identical product with different industry use. |                               |                           |                   |                       |                   |           |               |              |              |                  |                   |              |

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Model                         | Construction <sup>4</sup> | ABB<br>Model Number | Base<br>Drive<br>Frame<br>Size | Enclosure Details |              |                  |                 |                 | Thickness<br>[ mm ] | Max<br>Weight<br>[ lb ] | UUT          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------|---------------------|--------------------------------|-------------------|--------------|------------------|-----------------|-----------------|---------------------|-------------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           |                     |                                | Frame<br>Size     | UL<br>Rating | Height<br>[ in ] | Width<br>[ in ] | Depth<br>[ in ] |                     |                         |              |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-088A-2   | R5                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-114A-2   | R5                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-143A-2   | R6                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-169A-2   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-211A-2   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-096A-4   | R6                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-124A-4   | R6                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-156A-4   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-180A-4   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-240A-4   | R8                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-096A-4   | R5                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-124A-4   | R6                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-156A-4   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-180A-4   | R7                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-240A-4   | R8                             | PXB12-5           | 12           | 48.0             | 36.0            | 21.0            | 1.52                | 443                     | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-145A-2   | R6                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-170A-2   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-206A-2   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-274A-2   | R8                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-143A-2   | R6                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-169A-2   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-211A-2   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-273A-2   | R8                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-096A-4   | R6                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-124A-4   | R6                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-156A-4   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-180A-4   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-240A-4   | R8                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-124A-4   | R6                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-156A-4   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-180A-4   | R7                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACx580-PxR-240A-4   | R8                             | PxB3R-4           | 3R           | 51.0             | 36.0            | 20.4            | 1.52                | 443                     | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACS880                        | For PxR:                  | ACS880-PxR-274A-2   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-273A-2   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | Interpolated |
| 208/240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | -                         | ACH580-PCR-273A-2   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | UUT-18A,B    |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-240A-4   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | Interpolated |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |                           | ACS880-PxR-260A-4   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | Interpolated |
| 440-480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-240A-4   | R8                             | PXB1-5            | 1            | 62.5             | 35.0            | 20.5            | 1.9                 | 443                     | Interpolated |
| <div>Notes:</div> <div><div>1. ABB is the manufacturer for all units.</div><div>2. All units are wall mounted.</div><div>3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.</div><div>4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.</div><div>5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing</div><div>6. S, H, Q in models are identical product with different industry use.</div></div> |                               |                           |                     |                                |                   |              |                  |                 |                 |                     |                         |              |

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ] | Model                         | Construction <sup>4</sup> | ABB<br>Model Number | Base<br>Drive<br>Frame<br>Size | Enclosure Details |              |                  |                 |                 | Thickness<br>[ mm ] | Max<br>Weight<br>[ lb ] | UUT          |
|-------------------------|-------------------------------|---------------------------|---------------------|--------------------------------|-------------------|--------------|------------------|-----------------|-----------------|---------------------|-------------------------|--------------|
|                         |                               |                           |                     |                                | Frame<br>Size     | UL<br>Rating | Height<br>[ in ] | Width<br>[ in ] | Depth<br>[ in ] |                     |                         |              |
| 440-480                 | For<br>ACx580:<br>x = H, or Q | For BxR:<br>x = C or D    | ACx580-3BxR-07A6-4  | R3                             | Bx1-31            | Type 1       | 50.0             | 16.3            | 17.8            | 2                   | 150                     | Interpolated |
|                         |                               |                           | ACH580-3BCR-07A6-4  | R3                             | Bx1-31            | Type 1       | 49.5             | 17.0            | 18.0            | 2                   | 138.2                   | UUT-22A,B    |
|                         |                               |                           | ACx580-3BxR-012A-4  | R3                             | Bx1-31            | Type 1       | 50.0             | 16.3            | 17.8            | 2                   | 150                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-014A-4  | R3                             | Bx1-31            | Type 1       | 50.0             | 16.3            | 17.8            | 2                   | 150                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-023A-4  | R3                             | Bx1-31            | Type 1       | 50.0             | 16.3            | 17.8            | 2                   | 150                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-027A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-034A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-044A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-052A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-065A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-077A-4  | R6                             | Bx1-32            | Type 1       | 61.9             | 19.3            | 19.0            | 1.6                 | 225                     | Interpolated |
|                         |                               |                           | ACH580-3BCR-077A-4  | R6                             | Bx1-32            | Type 1       | 62.0             | 19.5            | 19.3            | 1.6                 | 272.8                   | UUT-23A,B    |
|                         |                               |                           | ACx580-3BxR-07A6-4  | R3                             | BxB1-31           | Type 1       | 42.4             | 15.3            | 15.0            | 2                   | 128                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-012A-4  | R3                             | BxB1-31           | Type 1       | 42.4             | 15.3            | 15.0            | 2                   | 128                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-014A-4  | R3                             | BxB1-31           | Type 1       | 42.4             | 15.3            | 15.0            | 2                   | 128                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-023A-4  | R3                             | BxB1-31           | Type 1       | 42.4             | 15.3            | 15.0            | 2                   | 128                     | Interpolated |
|                         |                               |                           | ACH580-3BCR-023A-4  | R3                             | BxB1-31           | Type 1       | 42.5             | 15.3            | 15.0            | 2                   | 128                     | UUT-38A,B    |
|                         |                               |                           | ACx580-3BxR-027A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-034A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-044A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-052A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-065A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACx580-3BxR-077A-4  | R6                             | BxB1-32           | Type 1       | 44.4             | 19.3            | 17.2            | 2                   | 244                     | Interpolated |
|                         |                               |                           | ACH580-3BCR-077A-4  | R6                             | BxB1-32           | Type 1       | 44.5             | 19.3            | 17.3            | 2                   | 249                     | UUT-39A,B    |
|                         |                               | For PxR:<br>x = C or D    | ACx580-3PxR-07A6-4  | R3                             | PxB1-31           | Type 1       | 38.0             | 8.0             | 14.3            | 2                   | 75.2                    | Interpolated |
|                         |                               |                           | ACH580-3PCR-07A6-4  | R3                             | PxB1-31           | Type 1       | 37.8             | 9.0             | 18.0            | 2                   | 68.4                    | UUT-25A,B    |
|                         |                               |                           | ACx580-3PxR-012A-4  | R3                             | PxB1-31           | Type 1       | 38.0             | 8.0             | 14.3            | 2                   | 75.2                    | Interpolated |
|                         |                               |                           | ACx580-3PxR-014A-4  | R3                             | PxB1-31           | Type 1       | 38.0             | 8.0             | 14.3            | 2                   | 75.2                    | Interpolated |
|                         |                               |                           | ACx580-3PxR-023A-4  | R3                             | PxB1-31           | Type 1       | 38.0             | 8.0             | 14.3            | 2                   | 75.2                    | Interpolated |
|                         |                               |                           | ACx580-3PxR-027A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACx580-3PxR-034A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACx580-3PxR-044A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACx580-3PxR-052A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACx580-3PxR-065A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACx580-3PxR-077A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.0            | 16.4            | 2                   | 183.7                   | Interpolated |
|                         |                               |                           | ACH580-3PCR-077A-4  | R6                             | PxB1-32           | Type 1       | 51.0             | 10.8            | 19.0            | 2                   | 180.4                   | UUT-26A,B    |
|                         |                               |                           | ACx580-3PxR-096A-4  | R8                             | PxB1-33           | Type 1       | 61.9             | 19.3            | 21.0            | 2.3                 | 400                     | Interpolated |
|                         |                               |                           | ACx580-3PxR-124A-4  | R8                             | PxB1-33           | Type 1       | 61.9             | 19.3            | 21.0            | 2.3                 | 400                     | Interpolated |
|                         |                               |                           | ACx580-3PxR-156A-4  | R8                             | PxB1-33           | Type 1       | 61.9             | 19.3            | 21.0            | 2.3                 | 400                     | Interpolated |
|                         |                               |                           | ACx580-3PxR-180A-4  | R8                             | PxB1-33           | Type 1       | 61.9             | 19.3            | 21.0            | 2.3                 | 400                     | Interpolated |
|                         |                               |                           | ACH580-3PCR-180A-4  | R8                             | PxB1-33           | Type 1       | 61.8             | 19.4            | 21.1            | 2.3                 | 409                     | UUT-24A,B    |

Notes:

1. ABB is the manufacturer for all units.

2. All units are wall mounted.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.

5. All Cabinets Carbon Steel.

6. S, H, Q in models are identical product with different industry use.

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ] | Model                         | Construction <sup>4</sup>                                           | ABB<br>Model Number | Base<br>Drive<br>Frame<br>Size | Enclosure<br>Frame Size | Available<br>UL<br>Enclosure<br>Types | Type 1, Type 12 Enclosures |                 |                 |                     |                         | Type 3R Enclosures |                 |                 |                     |                         | UUT          |
|-------------------------|-------------------------------|---------------------------------------------------------------------|---------------------|--------------------------------|-------------------------|---------------------------------------|----------------------------|-----------------|-----------------|---------------------|-------------------------|--------------------|-----------------|-----------------|---------------------|-------------------------|--------------|
|                         |                               |                                                                     |                     |                                |                         |                                       | Height<br>[ in ]           | Width<br>[ in ] | Depth<br>[ in ] | Thickness<br>[ mm ] | Max<br>Weight<br>[ lb ] | Height<br>[ in ]   | Width<br>[ in ] | Depth<br>[ in ] | Thickness<br>[ mm ] | Max<br>Weight<br>[ lb ] |              |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or O<br>x = C, D, or P<br>R may be<br>omitted | ACx580-zxR-04A6-2   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-06A6-2   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-07A5-2   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-10A6-2   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-017A-2   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or O<br>x = C, D, or P<br>R may be<br>omitted | ACx580-zxR-02A1-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-03A0-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-03A5-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-04A8-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-07A6-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-012A-4   | R1                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-014A-4   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACx580-zxR-023A-4   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Extrapolated |
|                         |                               |                                                                     | ACH580-BCR-023A-4   | R2                             | B1                      | 1                                     | 33.0                       | 17.0            | 12.0            | 1.9                 | 84.0                    | -                  | -               | -               | -                   | -                       | UUT-09       |
| 575-600                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or O<br>x = C, D, or P<br>R may be<br>omitted | ACx580-zxR-02A7-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-03A9-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-06A1-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-09A0-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-011A-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or O<br>x = C, D, or P<br>R may be<br>omitted | ACx580-zxR-017A-6   | R2                             | B1                      | 1, 12, 3R                             | 33.2                       | 17.7            | 13.9            | 1.9                 | 84                      | 33.4               | 17.7            | 14              | 1.9                 | 134                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-031A-2   | R2                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-046A-2   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-059A-2   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-075A-2   | R4                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or O<br>x = C, D, or P<br>R may be<br>omitted | ACx580-zxR-027A-4   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-034A-4   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-044A-4   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-052A-4   | R4                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-065A-4   | R4                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACH580-BCR-065A-4   | R4                             | B2                      | 3R                                    | -                          | -               | -               | -                   | -                       | 41.0               | 21.0            | 15.0            | 1.9                 | 190                     | UUT-10       |
|                         |                               |                                                                     | ACx580-zxR-077A-4   | R4                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
| 575-600                 |                               |                                                                     | ACx580-zxR-022A-6   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-027A-6   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |
|                         |                               |                                                                     | ACx580-zxR-032A-6   | R3                             | B2                      | 1, 12, 3R                             | 40.6                       | 20.7            | 15.3            | 1.9                 | 139                     | 40.7               | 20.7            | 15.4            | 1.9                 | 193                     | Interpolated |

Notes:

1. ABB is the manufacturer for all units.

2. All units are wall mounted.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.

5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing

6. S, H, Q in models are identical product with different industry use.

Table 1 - Certified Products - Panel Mounted Drives With Wall Mounted Enclosure (Cont.)

| System Voltage<br>[ V ] | Model                         | Construction <sup>4</sup>                                        | ABB Model Number  | Base Drive Frame Size | Enclosure Frame Size | Available UL Enclosure Types | Type 1, Type 12 Enclosures |              |              |                  |                   | Type 3R Enclosures |              |              |                  |                   | UUT          |
|-------------------------|-------------------------------|------------------------------------------------------------------|-------------------|-----------------------|----------------------|------------------------------|----------------------------|--------------|--------------|------------------|-------------------|--------------------|--------------|--------------|------------------|-------------------|--------------|
|                         |                               |                                                                  |                   |                       |                      |                              | Height [ in ]              | Width [ in ] | Depth [ in ] | Thickness [ mm ] | Max Weight [ lb ] | Height [ in ]      | Width [ in ] | Depth [ in ] | Thickness [ mm ] | Max Weight [ lb ] |              |
| 200-240                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-088A-2 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-114A-2 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-143A-2 | R6                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-169A-2 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-211A-2 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-248A-2 | R8                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-273A-2 | R8                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
| 575-600                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-041A-6 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-052A-6 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-062A-6 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-077A-6 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-099A-6 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-125A-6 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-144A-6 | R8                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For zxR:<br>z = B, P, or 0<br>x = C, D, or P<br>R may be omitted | ACx580-zxR-096A-4 | R5                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-124A-4 | R6                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-156A-4 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-180A-4 | R7                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACx580-zxR-240A-4 | R8                    | B3                   | 1, 12                        | 54.2                       | 28.3         | 19.1         | 2.7              | 358               | N/A                | N/A          | N/A          | N/A              | N/A               | Interpolated |
|                         |                               |                                                                  | ACH580-BCR-240A-4 | R8                    | B3                   | 12                           | 47.0                       | 28.0         | 18.0         | 2.7              | 358               | -                  | -            | -            | -                | -                 | UUT-11       |

Notes:

1. ABB is the manufacturer for all units.

2. All units are wall mounted.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.

5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing

6. S, H, Q in models are identical product with different industry use.

Table 2a - Certified Products - Panel Mounted Drives With Rigid Floor Mounted Enclosure

| System Voltage<br>[ V ] | Model                         | Construction <sup>4</sup> | ABB Model Number  | Base Drive Frame Size | Enclosure Details |           |                      |                     |                     |                      |                      | UUT          |
|-------------------------|-------------------------------|---------------------------|-------------------|-----------------------|-------------------|-----------|----------------------|---------------------|---------------------|----------------------|----------------------|--------------|
|                         |                               |                           |                   |                       | Frame Size        | UL Rating | Max Height<br>[ in ] | Max Width<br>[ in ] | Max Depth<br>[ in ] | Thick-ness<br>[ mm ] | Max Weight<br>[ lb ] |              |
| 208/240                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-143A-2 | R6                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-169A-2 | R7                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-211A-2 | R7                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-273A-2 | R8                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-124A-4 | R6                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-156A-4 | R7                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-180A-4 | R7                    | BX1-5             | 1         | 73.44                | 34.75               | 20.4                | 1.9                  | 465                  | Extrapolated |
| 208/240                 | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-273A-2 | R8                    | PXB1-5            | 1         | 73.4                 | 34.75               | 20.4                | 1.9                  | 515                  | Extrapolated |
| 208/240                 | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-274A-2 | R8                    | PXB1-5            | 1         | 73.4                 | 34.75               | 20.4                | 1.9                  | 515                  | Extrapolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-240A-4 | R8                    | PXB1-5            | 1         | 73.4                 | 34.75               | 20.4                | 1.9                  | 515                  | Extrapolated |
| 440-480                 | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-240A-4 | R8                    | PXB1-5            | 1         | 73.4                 | 34.75               | 20.4                | 1.9                  | 515                  | Extrapolated |
|                         |                               |                           | ACS880-PxR-260A-4 | R8                    | PXB1-5            | 1         | 73.4                 | 34.75               | 20.4                | 1.9                  | 515                  | Extrapolated |
| 208/240                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-211A-2 | R7                    | BX12-5            | 12        | 72                   | 36                  | 20.9                | 1.52                 | 677                  | Extrapolated |
|                         |                               |                           | ACx580-BxR-273A-2 | R8                    | BX12-5            | 12        | 72                   | 36                  | 20.9                | 1.52                 | 677                  | Extrapolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACH580-BCR-240A-4 | R8                    | BX1-6             | 1         | 78.0                 | 32.0                | 27.3                | 1.52                 | 728                  | Extrapolated |
| 208/240                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACH580-BCR-240A-4 | R8                    | BX1-6             | 1         | 78.0                 | 32.0                | 25.0                | 1.52                 | 720                  | UUT-17       |
|                         |                               |                           | ACx580-BxR-211A-2 | R7                    | BX1-6             | 1         | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
|                         |                               |                           | ACx580-BxR-273A-2 | R8                    | BX1-6             | 1         | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-240A-4 | R8                    | BX1-6             | 1         | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
| 208/240                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-211A-2 | R7                    | BX12-6            | 12        | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
|                         |                               |                           | ACx580-BxR-273A-2 | R8                    | BX12-6            | 12        | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-240A-4 | R8                    | BX12-6            | 12        | 78                   | 32                  | 27.3                | 1.52                 | 728                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-302A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACx580-PxR-361A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACx580-PxR-414A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
| 440-480                 | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-302A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACS880-PxR-361A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACS880-PxR-414A-4 | R9                    | PXB12-6           | 12        | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-302A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACx580-PxR-361A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACx580-PxR-414A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
| 440-480                 | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-302A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACS880-PxR-361A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
|                         |                               |                           | ACS880-PxR-414A-4 | R9                    | PXB1-6            | 1         | 78                   | 32                  | 27.3                | 1.52                 | 765                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-211A-2 | R7                    | Bx3R-5            | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 768                  | Interpolated |
|                         |                               |                           | ACx580-BxR-273A-2 | R8                    | Bx3R-5            | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 768                  | Interpolated |
|                         |                               |                           | ACx580-BxR-240A-4 | R8                    | Bx3R-5            | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 768                  | Interpolated |
| 440-480                 | ACS880                        | For PxR:<br>x = C or D    | ACS880-PxR-302A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
|                         |                               |                           | ACS880-PxR-361A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
|                         |                               |                           | ACS880-PxR-414A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
| 440-480                 | For ACx580:<br>x = S, H, or Q | For PxR:<br>x = C or D    | ACx580-PxR-302A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
|                         |                               |                           | ACx580-PxR-361A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
|                         |                               |                           | ACx580-PxR-414A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44                  | 31.25               | 1.52                 | 815                  | Interpolated |
| 440-480                 | ACH580                        | -                         | ACH580-PCR-414A-4 | R9                    | PxB3R-5           | 3R        | 78                   | 44.3                | 32                  | 1.52                 | 720                  | UUT-19       |
| 440-480V                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-302A-4 | R9                    | BX12-7            | 12        | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
|                         |                               |                           | ACx580-BxR-361A-4 | R9                    | BX12-7            | 12        | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
|                         |                               |                           | ACx580-BxR-414A-4 | R9                    | BX12-7            | 12        | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
| 440-480V                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-302A-4 | R9                    | BX1-7             | 1         | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
|                         |                               |                           | ACx580-BxR-361A-4 | R9                    | BX1-7             | 1         | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
|                         |                               |                           | ACx580-BxR-414A-4 | R9                    | BX1-7             | 1         | 84                   | 48                  | 27.3                | 2.75                 | 1170                 | Interpolated |
| 440-480V                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-302A-4 | R9                    | Bx3R-6            | 3R        | 84                   | 60                  | 31.25               | 2.75                 | 1170                 | Interpolated |
|                         |                               |                           | ACx580-BxR-361A-4 | R9                    | Bx3R-6            | 3R        | 84                   | 60                  | 31.25               | 2.75                 | 1170                 | Interpolated |
| 440-480V                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACx580-BxR-414A-4 | R9                    | Bx3R-6            | 3R        | 84                   | 60                  | 31.25               | 2.75                 | 1170                 | Interpolated |
| 440-480V                | For ACx580:<br>x = S, H, or Q | For BxR:<br>x = C or D    | ACH580-BCR-414A-4 | R9                    | Bx3R-6            | 3R        | 84                   | 55                  | 28.5                | 2.75                 | 1170                 | UUT-20       |

Notes:

1. ABB is the manufacturer for all units.

2. All units are floor mounted.

3. S, H, Q in models are identical product with different industry use.

4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.

5. All Cabinets Carbon Steel. 3R Cabinets are Galvanized for weatherproofing

6. All units were tested in rigid mounting configuration to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

**Table 2b - Certified Products - Panel Mounted Drives With Combination Rigid Floor and Wall Mounted Enclosure**

| System Voltage [ V ] | Model                      | Construction <sup>4</sup> | ABB Model Number   | Base Drive Frame Size | Enclosure Details |           |                   |                  |                  |                   |                   | UUT          |
|----------------------|----------------------------|---------------------------|--------------------|-----------------------|-------------------|-----------|-------------------|------------------|------------------|-------------------|-------------------|--------------|
|                      |                            |                           |                    |                       | Frame Size        | UL Rating | Max Height [ in ] | Max Width [ in ] | Max Depth [ in ] | Thick-ness [ mm ] | Max Weight [ lb ] |              |
| 440-480              | For ACx580:<br>x = H, or Q | For 3BxR:<br>x = C or D   | ACx580-3BxR-096A-4 | R8                    | Bx1-33            | Type 1    | 73.4              | 35               | 20.4             | 2                 | 500               | Interpolated |
|                      |                            |                           | ACx580-3BxR-124A-4 | R8                    | Bx1-33            | Type 1    | 73.4              | 35               | 20.4             | 2                 | 500               | Interpolated |
|                      |                            |                           | ACx580-3BxR-156A-4 | R8                    | Bx1-33            | Type 1    | 73.4              | 35               | 20.4             | 2                 | 500               | Interpolated |
|                      |                            |                           | ACx580-3BxR-180A-4 | R8                    | Bx1-33            | Type 1    | 73.4              | 35               | 20.4             | 2                 | 500               | Interpolated |
|                      |                            |                           | ACH580-3BxR-180A-4 | R8                    | Bx1-33            | Type 1    | 73.5              | 34.8             | 20.5             | 2                 | 550               | UUT-27       |
|                      |                            | For 3BxR:<br>x = C or D   | ACx580-3BxR-240A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3BxR-302A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3BxR-361A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3BxR-414A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3BxR-477A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACH580-3BCR-477A-4 | R11                   | PxB1-41           | Type 1    | 91                | 55               | 25.8             | 1.5               | 1440              | UUT-28       |
|                      |                            | For 3PxR:<br>x = C or D   | ACx580-3PxR-240A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3PxR-302A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3PxR-361A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3PxR-414A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACx580-3PxR-477A-4 | R11                   | PxB1/12-41        | Type 1/12 | 90                | 55               | 25               | 1.5               | 1510              | Interpolated |
|                      |                            |                           | ACH580-3PCR-477A-4 | R11                   | PxB1-41           | Type 1    | 91                | 47               | 25.8             | 1.5               | 1290              | UUT-29       |

- Notes:
1. ABB is the manufacturer for all units.
  2. All units are combination floor and wall mounted.
  3. S, H, Q in models are identical product with different industry use.
  4. PDR/VDR/BDR models use disconnects which weigh less than tested PCR/VCR/BCR models with circuit breakers.
  5. All Cabinets Carbon Steel. Type 1 cabinets are similar less robust design than Type 12 cabinets.
  6. All units were tested in rigid mounting configuration to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted

| System Voltage<br>[ V ] | Model <sup>5,8</sup>                              | ABB<br>Model Number                               | Ratings          |          |                  |          |                  |          | Frame<br>Size      | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT                     |              |
|-------------------------|---------------------------------------------------|---------------------------------------------------|------------------|----------|------------------|----------|------------------|----------|--------------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|-------------------------|--------------|
|                         |                                                   |                                                   | Normal Duty      |          | Light Duty       |          | Heavy Duty       |          |                    |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |                         |              |
|                         |                                                   |                                                   | Current [ A ]    | kW / HP  | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  |                    |                                 |                                    |                           |                                    |                           |                                    |                           |                         |              |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-04A7-2                                  | 4.7              | 0.75 kW  | 4.6              | 0.75 kW  | 3.5              | 0.75 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-06A7-2                                  | 6.7              | 1.10 kW  | 6.6              | 1.10 kW  | 4.6              | 0.75 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-07A6-2                                  | 7.6              | 1.50 kW  | 7.5              | 1.50 kW  | 6.6              | 1.10 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-012A-2                                  | 12.0             | 2.20 kW  | 11.8             | 2.20 kW  | 7.5              | 1.50 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-018A-2                                  | 16.9             | 4.00 kW  | 16.7             | 4.00 kW  | 10.6             | 2.20 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
| 380-480                 |                                                   | ACx580-01-02A7-4                                  | 2.6              | 0.75 kW  | 2.5              | 0.75 kW  | 1.8              | 0.55 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-03A4-4                                  | 3.3              | 1.10 kW  | 3.1              | 1.10 kW  | 2.6              | 0.75 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-04A1-4                                  | 4                | 1.50 kW  | 3.8              | 1.50 kW  | 3.3              | 1.10 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-05A7-4                                  | 5.6              | 2.20 kW  | 5.3              | 2.20 kW  | 4                | 1.50 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-07A3-4                                  | 7.2              | 3.00 kW  | 6.8              | 3.00 kW  | 5.6              | 2.20 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | ACx580-01-09A5-4                                  | 9.4              | 4.00 kW  | 8.9              | 4.00 kW  | 7.2              | 3.00 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACx580-01-12A7-4                                  | 12.6             | 5.50 kW  | 12               | 5.50 kW  | 9.4              | 4.00 kW  | R1                 | IP 20, 21, 55, 66               | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | Axx580-01-04A6-2                                  | 4.6              | 1.00 HP  | 4.6              | 1.00 HP  | 3.5              | 0.80 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | Axx580-01-06A6-2                                  | 6.6              | 1.50 HP  | 6.6              | 1.50 HP  | 4.6              | 1.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | Axx580-01-07A5-2                                  | 7.5              | 2.00 HP  | 7.5              | 2.00 HP  | 6.6              | 1.50 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | Axx580-01-10A6-2                                  | 10.6             | 3.00 HP  | 10.6             | 3.00 HP  | 7.5              | 2.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | Axx580-01-017A-2                                  | 16.7             | 5.00 HP  | 16.7             | 5.00 HP  | 10.6             | 3.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Extrapolated            |              |
|                         |                                                   | ACS580-01-017A-2                                  | 16.7             | 5.00 HP  | 16.7             | 5.00 HP  | 10.6             | 3.00 HP  | R1                 | Type 4X                         | -                                  | -                         | -                                  | -                         | 24.0 x 16.0 x 12.0                 | 34.8                      | UUT-32A,B <sup>7</sup>  |              |
|                         |                                                   | Axx580-01-02A1-4                                  | NA               | NA       | 2.1              | 1.00 HP  | 1.6              | 0.75 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
|                         |                                                   | Axx580-01-03A0-4                                  | NA               | NA       | 3                | 1.50 HP  | 2.1              | 1.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
| 440-480                 |                                                   | Axx580-01-03A5-4                                  | NA               | NA       | 3.5              | 2.00 HP  | 3                | 1.50 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
|                         |                                                   | Axx580-01-04A8-4                                  | NA               | NA       | 4.8              | 3.00 HP  | 3.4              | 2.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
|                         |                                                   | Axx580-01-06A0-4                                  | NA               | NA       | 6                | 3.00 HP  | 4                | 3.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
|                         |                                                   | Axx580-01-07A6-4                                  | NA               | NA       | 7.6              | 5.00 HP  | 4.8              | 3.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
|                         |                                                   | Axx580-01-012A-4                                  | NA               | NA       | 12               | 7.50 HP  | 7.6              | 5.00 HP  | R1                 | UL Open, 1, 12, 4X              | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 20.5 x 8.2 x 11.1                  | 28.0                      | Interpolated            |              |
| 440-480                 |                                                   | ACH580-01-012A-4                                  | NA               | NA       | 12               | 7.50 HP  | 7.6              | 5.00 HP  | R1                 | Type 1                          | 14.69 x 4.92 x 8.78                | 10.2                      | -                                  | -                         | -                                  | -                         | UUT-05 <sup>6</sup>     |              |
|                         |                                                   | ACH580-01-012A-4                                  | NA               | NA       | 12               | 7.50 HP  | 7.6              | 5.00 HP  | R1                 | Type 12                         | -                                  | -                         | 17.78 x 5.04 x 9.17                | 10.6                      | -                                  | -                         | UUT-36 A,B <sup>6</sup> |              |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-025A-2                                  | 24.5             | 5.50 kW  | 24.2             | 5.50 kW  | 16.7             | 4.00 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
| 380-480                 |                                                   | ACx580-01-032A-2                                  | 31.2             | 7.50 kW  | 30.8             | 7.50 kW  | 24.2             | 5.50 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-018A-4                                  | 17               | 7.50 kW  | 16.2             | 7.50 kW  | 12.6             | 5.50 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
| 575-600                 |                                                   | ACx580-01-026A-4                                  | 25               | 11.00 kW | 23.8             | 11.00 kW | 17               | 7.50 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-02A7-6                                  | NA               | NA       | 2.7              | 1.50 kW  | 2.4              | 1.10 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-03A9-6                                  | NA               | NA       | 3.9              | 2.20 kW  | 2.7              | 1.50 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-06A1-6                                  | NA               | NA       | 6.1              | 4.00 kW  | 3.9              | 2.20 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-09A0-6                                  | NA               | NA       | 9                | 5.50 kW  | 6.1              | 4.00 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         |                                                   | ACx580-01-11A0-6                                  | NA               | NA       | 11               | 7.50 kW  | 9                | 5.50 kW  | R2                 | IP 20, 21, 55, 66               | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
| 200-240                 |                                                   | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | ACx580-01-017A-6 | NA       | NA               | 17       | 11.00 kW         | 11       | 7.50 kW            | R2                              | IP 20, 21, 55, 66                  | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 23.9 x 8.2 x 11.5         | 34.0                    | Interpolated |
|                         | Axx580-01-024A-2                                  |                                                   | 24.2             | 7.50 HP  | 24.2             | 7.50 HP  | 16.7             | 5.00 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         | 440-480                                           |                                                   | Axx580-01-031A-2 | 31       | 10.00 HP         | 31       | 10.00 HP         | 24.2     | 7.50 HP            | R2                              | UL Open, 1, 12, 4X                 | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 23.9 x 8.2 x 11.5         | 34.0                    | Interpolated |
|                         |                                                   |                                                   | Axx580-01-014A-4 | NA       | NA               | 14       | 10.00 HP         | 11       | 7.50 HP            | R2                              | UL Open, 1, 12, 4X                 | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 23.9 x 8.2 x 11.5         | 34.0                    | Interpolated |
|                         | Axx580-01-023A-4                                  |                                                   | NA               | NA       | 23               | 15.00 HP | 15               | 10.00 HP | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
| 575-600                 | ACH580-01-023A-4                                  |                                                   | NA               | NA       | 23               | 15.00 HP | 15               | 10.00 HP | R2                 | Type 1                          | 18.62 x 4.94 x 9.00                | 14.6                      | -                                  | -                         | -                                  | -                         | UUT-09 <sup>6</sup>     |              |
|                         | Axx580-01-02A7-6                                  |                                                   | NA               | NA       | 2.7              | 2.00 HP  | 2.4              | 1.50 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         | Axx580-01-03A9-6                                  |                                                   | NA               | NA       | 3.9              | 3.00 HP  | 2.7              | 2.00 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         | Axx580-01-06A1-6                                  |                                                   | NA               | NA       | 6.1              | 5.00 HP  | 3.9              | 3.00 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         | Axx580-01-09A0-6                                  |                                                   | NA               | NA       | 9                | 7.50 HP  | 6.1              | 5.00 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
| 575-600                 | Axx580-01-011A-6                                  |                                                   | NA               | NA       | 11               | 10.00 HP | 9                | 7.50 HP  | R2                 | UL Open, 1, 12, 4X              | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 23.9 x 8.2 x 11.5                  | 34.0                      | Interpolated            |              |
|                         | Axx580-01-017A-6                                  | NA                                                | NA               | 17       | 15.00 HP         | 11       | 10.00 HP         | R2       | UL Open, 1, 12, 4X | 18.62 x 4.94 x 9.00             | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 23.9 x 8.2 x 11.5         | 34.0                               | Interpolated              |                         |              |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as IEC rating.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. When an Optional Subcomponent is present, its Type Code is appended to the model number

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Listed drive model was a subcomponent within the UUT

7. Dimensions and weight of UUT-32A,B include optional sun shield

8. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted (Cont.)

| System Voltage<br>[ V ] | Model <sup>6,9</sup>                              | ABB<br>Model Number | Ratings                                           |                  |                  |          |                  |          | Frame<br>Size               | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT                    |              |              |
|-------------------------|---------------------------------------------------|---------------------|---------------------------------------------------|------------------|------------------|----------|------------------|----------|-----------------------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------|--------------|--------------|
|                         |                                                   |                     | Normal Duty                                       |                  | Light Duty       |          | Heavy Duty       |          |                             |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |                        |              |              |
|                         |                                                   |                     | Current [ A ]                                     | kW / HP          | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  |                             |                                 |                                    |                           |                                    |                           |                                    |                           |                        |              |              |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-04A6-2    | 4.6                                               | 1.00 HP          | 4.4              | 1.00 HP  | 3.7              | 0.75 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-06A6-2    | 6.6                                               | 1.50 HP          | 6.3              | 1.50 HP  | 4.6              | 1.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-07A5-2    | 7.5                                               | 2.00 HP          | 7.1              | 2.00 HP  | 6.6              | 1.50 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-10A6-2    | 10.6                                              | 3.00 HP          | 10.1             | 3.00 HP  | 7.5              | 2.00 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-415                 |                                                   | ACS880-01-02A4-3    | 2.4                                               | 0.75 kW          | 2.3              | 0.75 kW  | 1.8              | 0.55 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-03A3-3    | 3.3                                               | 1.10 kW          | 3.1              | 1.10 kW  | 2.4              | 0.75 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-04A0-3    | 4                                                 | 1.50 kW          | 3.8              | 1.50 kW  | 3.3              | 1.10 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-05A6-3    | 5.6                                               | 2.20 kW          | 5.3              | 2.20 kW  | 4                | 1.50 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-07A2-3    | 8                                                 | 3.00 kW          | 7.6              | 3.00 kW  | 5.6              | 2.20 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-09A4-3    | 10                                                | 4.00 kW          | 9.5              | 4.00 kW  | 8                | 3.00 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-12A6-3    | 12.9                                              | 5.50 kW          | 12               | 5.50 kW  | 10               | 4.00 kW  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-02A1-5    | NA                                                | NA               | 2.1              | 1.00 HP  | 1.7              | 0.75 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-500                 |                                                   | ACS880-01-03A0-5    | NA                                                | NA               | 3                | 1.50 HP  | 2.1              | 1.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-03A4-5    | NA                                                | NA               | 3.4              | 2.00 HP  | 3                | 1.50 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-04A8-5    | NA                                                | NA               | 4.8              | 3.00 HP  | 3.4              | 2.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-05A2-5    | NA                                                | NA               | 5.2              | 3.00 HP  | 4.8              | 2.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
| 208-240                 |                                                   | ACS880-01-07A6-5    | NA                                                | NA               | 7.6              | 5.00 HP  | 5.2              | 3.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-11A0-5    | NA                                                | NA               | 11               | 7.50 HP  | 7.6              | 5.00 HP  | R1                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-16A8-2    | 16.8                                              | 5.00 HP          | 16               | 5.00 HP  | 10.6             | 3.00 HP  | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-24A3-2    | 24.3                                              | 7.50 HP          | 23.1             | 7.50 HP  | 16.8             | 5.00 HP  | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-415                 |                                                   | ACS880-01-017A-3    | 17                                                | 7.50 kW          | 16               | 7.50 kW  | 12.6             | 5.50 kW  | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-500                 |                                                   | ACS880-01-025A-3    | 25                                                | 11.00 kW         | 24               | 11.00 kW | 17               | 7.50 kW  | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-014A-5    | NA                                                | NA               | 14               | 10.00 HP | 11               | 7.50 HP  | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-021A-5    | NA                                                | NA               | 21               | 15.00 HP | 14               | 10.00 HP | R2                          | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-031A-2    | 31                                                | 10.00 HP         | 29.3             | 10.00 HP | 24.3             | 7.50 HP  | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-415                 |                                                   | ACS880-01-032A-3    | 32                                                | 15.00 kW         | 30               | 15.00 kW | 25               | 11.00 kW | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-038A-3    | 38                                                | 18.50 kW         | 36               | 18.50 kW | 32               | 15.00 kW | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-027A-5    | NA                                                | NA               | 27               | 20.00 HP | 21               | 15.00 HP | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-034A-5    | NA                                                | NA               | 34               | 25.00 HP | 27               | 20.00 HP | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
| 380-500                 |                                                   | ACS880-01-034A-5    | NA                                                | NA               | 34               | 25.00 HP | 27               | 20.00 HP | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
|                         |                                                   | ACS880-01-07A4-7    | NA                                                | NA               | 7                | 5.00 HP  | 5.6              | 3.00 HP  | R3                          | Type 1                          | 13.0 <sup>(5)</sup> x 7.0 x 10.0   | 24.0                      | -                                  | -                         | -                                  | -                         | UUT-14                 |              |              |
|                         |                                                   | 525-690             | ACS880-01-07A4-7                                  | NA               | NA               | 7        | 5.00 HP          | 5.6      | 3.00 HP                     | R3                              | UL Open, 1, 12; IP 20,21,55        | 18.71 x 6.8 x 10.28       | 24.0                               | 20.7 x 7.09 x 12.87       | 26.5                               | NA                        | NA                     | Interpolated |              |
|                         |                                                   |                     | ACS880-01-09A9-7                                  | NA               | NA               | 9.4      | 7.50 HP          | 7.4      | 5.00 HP                     | R3                              | UL Open, 1, 12; IP 20,21,55        | 18.71 x 6.8 x 10.28       | 24.0                               | 20.7 x 7.09 x 12.87       | 26.5                               | NA                        | NA                     | Interpolated |              |
| ACS880-01-14A3-7        |                                                   |                     | NA                                                | NA               | 13.6             | 10.00 HP | 9.9              | 7.50 HP  | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
| ACS880-01-019A-7        |                                                   |                     | NA                                                | NA               | 18               | 15.00 HP | 14.3             | 10.00 HP | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
| ACS880-01-023A-7        |                                                   |                     | NA                                                | NA               | 22               | 20.00 HP | 19               | 15.00 HP | R3                          | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated           |              |              |
| 525-690                 | ACS880-01-027A-7                                  | NA                  | NA                                                | 27               | 25.00 HP         | 23       | 20.00 HP         | R3       | UL Open, 1, 12; IP 20,21,55 | 18.71 x 6.8 x 10.28             | 24.0                               | 20.7 x 7.09 x 12.87       | 26.5                               | NA                        | NA                                 | Interpolated              |                        |              |              |
|                         | 200-240                                           | Axx580-01-046A-2    | 46.2                                              | 15.00 HP         | 46.2             | 15.00 HP | 30.8             | 10.00 HP | R3                          | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated           |              |              |
|                         |                                                   | Axx580-01-059A-2    | 59.4                                              | 20.00 HP         | 59.4             | 20.00 HP | 46.2             | 15.00 HP | R3                          | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated           |              |              |
|                         |                                                   | ACS580-01-059A-2    | 59.4                                              | 20.00 HP         | 59.4             | 20.00 HP | 46.2             | 15.00 HP | R3                          | Type 4X                         | -                                  | -                         | -                                  | -                         | 29.3 x 16.4 x 15.3                 | 63.0                      | UUT-34A,B <sup>8</sup> |              |              |
|                         |                                                   | 440-480             | Axx580-01-027A-4                                  | NA               | NA               | 27       | 20.00 HP         | 21       | 15.00 HP                    | R3                              | UL Open, 1, 12, 4X                 | 19.29 x 7.99 x 9.02       | 26.1                               | 20.93 x 8.16 x 9.33       | 28.7                               | 25.5 x 10.9 x 11.4        | 56.0                   | Interpolated |              |
| Axx580-01-034A-4        |                                                   |                     | NA                                                | NA               | 34               | 25.00 HP | 27               | 20.00 HP | R3                          | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated           |              |              |
| Axx580-01-044A-4        |                                                   |                     | NA                                                | NA               | 44               | 30.00 HP | 34               | 25.00 HP | R3                          | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated           |              |              |
| ACH580-01-044A-4        | NA                                                |                     | NA                                                | 44               | 30.00 HP         | 34       | 25.00 HP         | R3       | Type 1                      | 19.0 x 8.0 x 9.0                | 26.1                               | -                         | -                                  | -                         | -                                  | UUT-01                    |                        |              |              |
| 575-600                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | ACH580-01-044A-4    | NA                                                | NA               | 44               | 30.00 HP | 34               | 25.00 HP | R3                          | Type 1                          | 19.29 x 7.99 x 9.02                | 26.1                      | -                                  | -                         | -                                  | -                         | UUT-07 <sup>7</sup>    |              |              |
|                         |                                                   | 575-600             | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-022A-6 | NA               | NA       | 22               | 20.00 HP | 17                          | 15.00 HP                        | R3                                 | UL Open, 1, 12, 4X        | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4     | 56.0         | Interpolated |
|                         |                                                   |                     |                                                   | Axx580-01-027A-6 | NA               | NA       | 27               | 25.00 HP | 22                          | 20.00 HP                        | R3                                 | UL Open, 1, 12, 4X        | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4     | 56.0         | Interpolated |
| Axx580-01-032A-6        | NA                                                |                     |                                                   | NA               | 32               | 30.00 HP | 27               | 25.00 HP | R3                          | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated           |              |              |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as IEC rating.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. Type Code appended to model number when an Optional Subcomponent is used

5. Height measurement is for drive component with enclosure

6. AYK580-01 units are identical to ACx580-01 units other than software and branding

7. Listed drive model was a subcomponent within the UUT

8. Dimensions and weight of UUT-34A,B include optional sun shield

9. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted (Cont.)

| System Voltage<br>[ V ] | Model <sup>5,7</sup>                              | ABB<br>Model Number | Ratings       |          |                  |          |                  |          | Frame<br>Size     | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT                                                             |
|-------------------------|---------------------------------------------------|---------------------|---------------|----------|------------------|----------|------------------|----------|-------------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|-----------------------------------------------------------------|
|                         |                                                   |                     | Normal Duty   |          | Light Duty       |          | Heavy Duty       |          |                   |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |                                                                 |
|                         |                                                   |                     | Current [ A ] | kW / HP  | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  |                   |                                 |                                    |                           |                                    |                           |                                    |                           |                                                                 |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-047A-2    | 46.7          | 11.00 kW | 46.2             | 11.00 kW | 30.8             | 7.50 kW  | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
|                         |                                                   | ACx580-01-060A-2    | 60.0          | 15.00 kW | 59.4             | 15.00 kW | 46.2             | 11.00 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
| 380-480                 |                                                   | ACx580-01-033A-4    | 32            | 15.00 kW | 30.4             | 15.00 kW | 24.6             | 11.00 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
|                         |                                                   | ACx580-01-039A-4    | 38            | 18.50 kW | 36.1             | 18.50 kW | 31.6             | 15.00 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
|                         |                                                   | ACx580-01-046A-4    | 45            | 22.00 kW | 42.8             | 22.00 kW | 37.7             | 18.50 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
| 575-600                 |                                                   | ACx580-01-022A-6    | NA            | NA       | 22               | 15.00 kW | 17               | 11.00 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
|                         |                                                   | ACx580-01-027A-6    | NA            | NA       | 27               | 18.50 kW | 22               | 15.00 kW | R3                | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 25.5 x 10.9 x 11.4                 | 56.0                      | Interpolated                                                    |
|                         | ACx580-01-032A-6                                  | NA                  | NA            | 32       | 22.00 kW         | 27       | 19.00 kW         | R3       | IP 20, 21, 55, 66 | 19.29 x 7.99 x 9.02             | 26.1                               | 20.93 x 8.16 x 9.33       | 28.7                               | 25.5 x 10.9 x 11.4        | 56.0                               | Interpolated              |                                                                 |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-046A-2    | 46            | 15.00 HP | 44               | 15.00 HP | 38               | 10.00 HP | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACS880-01-061A-2    | 61            | 20.00 HP | 58               | 20.00 HP | 45               | 15.00 HP | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
| 380-415                 |                                                   | ACS880-01-045A-3    | 45            | 22.00 kW | 43               | 22.00 kW | 38               | 18.50 kW | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACS880-01-061A-3    | 61            | 30.00 kW | 58               | 30.00 kW | 45               | 22.00 kW | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
| 380-500                 |                                                   | ACS880-01-040A-5    | NA            | NA       | 40               | 30.00 HP | 34               | 25.00 HP | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACS880-01-052A-5    | NA            | NA       | 52               | 40.00 HP | 40               | 30.00 HP | R4                | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated                                                    |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q                  | ACx580-01-076A-2    | 76            | 18.50 kW | 74.8             | 18.50 kW | 59.4             | 15.00 kW | R4                | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
| 380-480                 |                                                   | ACx580-01-062A-4    | 62            | 30.00 kW | 58               | 30.00 kW | 45               | 22.00 kW | R4                | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACx580-01-073A-4    | 73            | 37.00 kW | 68               | 37.00 kW | 61               | 30.00 kW | R4                | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | ACx580-01-075A-2    | NA            | NA       | 74.8             | 25.00 HP | 59.4             | 20.00 HP | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACx580-01-090A-2    | NA            | NA       | 90               | 30.00 HP | 75               | 25.00 HP | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACx580-01-076A-2    | NA            | NA       | 75               | 18.5 kW  | 59               | 15.00 kW | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACx580-01-091A-2    | NA            | NA       | 88               | 22.0 Kw  | 75               | 18.5 kW  | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | Axx580-01-075A-2    | 74.8          | 25.00 HP | 74.8             | 25.00 HP | 59.4             | 20.00 HP | R4                | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
| 440-480                 |                                                   | Axx580-01-052A-4    | NA            | NA       | 52               | 40.00 HP | 40               | 30.00 HP | R4                | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | Axx580-01-065A-4    | NA            | NA       | 65               | 50.00 HP | 52               | 40.00 HP | R4                | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACH580-01-065A-4    | NA            | NA       | 65               | 50.00 HP | 52               | 40.00 HP | R4                | Type 1                          | 25.04 x 7.99 x 10.13               | 41.9                      | -                                  | -                         | -                                  | -                         | UUT-06 <sup>6</sup> , UUT-08 <sup>6</sup> , UUT-10 <sup>6</sup> |
|                         |                                                   | Axx580-01-052A-4    | NA            | NA       | 52               | 40.00 HP | 40               | 30.00 HP | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | Axx580-01-065A-4    | NA            | NA       | 65               | 50.00 HP | 52               | 40.00 HP | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | Axx580-01-077A-4    | NA            | NA       | 77               | 60.00 HP | 65               | 50.00 HP | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | ACx580-01-062A-4    | NA            | NA       | 58               | 30.00 kW | 45               | 22.00 kW | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | ACx580-01-073A-4    | NA            | NA       | 68               | 37.00 kW | 61               | 30.00 kW | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | ACx580-01-089A-4    | NA            | NA       | 83               | 45.00 kW | 72               | 37.00 kW | R4 v2             | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Extrapolated                                                    |
|                         |                                                   | Axx580-01-077A-4    | NA            | NA       | 77               | 60.00 HP | 65               | 50.00 HP | R4                | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated                                                    |
|                         |                                                   | ACH580-01-077A-4    | NA            | NA       | 77               | 60.00 HP | 65               | 50.00 HP | R4                | Type 12                         | -                                  | -                         | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | UUT-37 A,B <sup>6</sup>                                         |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2,-5,-7 NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. All units were tested in rigid and isolated mounting configs to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. Type Code appended to model number when an Optional Subcomponent is used

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Listed drive model was a subcomponent within the UUT

7. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted (Cont.)

| System Voltage<br>[ V ] | Model <sup>5,7</sup>          | ABB<br>Model Number                       | Ratings          |          |            |          |            |          | Frame<br>Size | Available<br>Enclosure<br>Types | Type 1                             |                      | Type 12                            |                      | Type 4X/IP66                       |             | UUT                 |
|-------------------------|-------------------------------|-------------------------------------------|------------------|----------|------------|----------|------------|----------|---------------|---------------------------------|------------------------------------|----------------------|------------------------------------|----------------------|------------------------------------|-------------|---------------------|
|                         |                               |                                           | Normal Duty      |          | Light Duty |          | Heavy Duty |          |               |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.      | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.      | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. |                     |
|                         |                               |                                           | Current [ A ]    | kW / HP  | Current    | kW / HP  | Current    | kW / HP  |               |                                 |                                    |                      |                                    |                      |                                    |             |                     |
| 208-240                 | ACS880<br>See Note 2<br>below | ACS880-01-075A-2                          | 75               | 25.00 HP | 71         | 25.00 HP | 61         | 20.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-087A-2                          | 87               | 30.00 HP | 83         | 30.00 HP | 72         | 25.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
| 380-415                 |                               | ACS880-01-072A-3                          | 72               | 37.00 kW | 68         | 37.00 kW | 61         | 30.00 kW | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-087A-3                          | 87               | 45.00 kW | 83         | 45.00 kW | 72         | 37.00 kW | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
| 380-500                 |                               | ACS880-01-065A-5                          | NA               | NA       | 65         | 50.00 HP | 52         | 40.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-077A-5                          | NA               | NA       | 77         | 60.00 HP | 65         | 50.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
| 525-690                 |                               | ACS880-01-07A3-7                          | NA               | NA       | 9          | 7.50 HP  | 6.1        | 5.00 HP  | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-09A8-7                          | NA               | NA       | 11         | 10.00 HP | 9          | 7.50 HP  | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-14A2-7                          | NA               | NA       | 17         | 15.00 HP | 11         | 10.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-018A-7                          | NA               | NA       | 22         | 20.00 HP | 17         | 15.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-022A-7                          | NA               | NA       | 27         | 25.00 HP | 22         | 20.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-026A-7                          | NA               | NA       | 32         | 30.00 HP | 27         | 25.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-035A-7                          | NA               | NA       | 41         | 40.00 HP | 32         | 30.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-042A-7                          | NA               | NA       | 52         | 50.00 HP | 41         | 40.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
|                         |                               | ACS880-01-049A-7                          | NA               | NA       | 52         | 50.00 HP | 41         | 40.00 HP | R5            | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                 | 34.89 x 9.30 x 13.54               | 52.0                 | NA                                 | NA          | Interpolated        |
| 200-240                 |                               | For ACx580:<br>x = S, H, or<br>Q<br>(IEC) | ACx580-01-089A-2 | 89       | 22.00 kW   | 88       | 22.00 kW   | 74.8     | 18.50 kW      | R5                              | IP 20, 21, 55                      | 28.83 x 7.99 x 11.61 | 62.4                               | 32.01 x 7.99 x 12.60 | 64.0                               | NA          | NA                  |
|                         | ACx580-01-115A-2              |                                           | 115              | 30.00 kW | 114        | 30.00 kW | 88         | 22.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
| 380-480                 | ACx580-01-088A-4              |                                           | 88               | 45.00 kW | 83         | 45.00 kW | 72         | 37.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
|                         | ACx580-01-106A-4              |                                           | 106              | 55.00 kW | 100        | 55.00 kW | 87         | 45.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
| 575-600                 | ACx580-01-041A-6              |                                           | NA               | NA       | 41         | 30.00 kW | 32         | 22.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
|                         | ACx580-01-052A-6              |                                           | NA               | NA       | 52         | 37.00 kW | 41         | 30.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
|                         | ACx580-01-062A-6              |                                           | NA               | NA       | 62         | 45.00 kW | 52         | 37.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
|                         | ACx580-01-077A-6              |                                           | NA               | NA       | 77         | 55.00 kW | 62         | 45.00 kW | R5            | IP 20, 21, 55                   | 28.83 x 7.99 x 11.61               | 62.4                 | 32.01 x 7.99 x 12.60               | 64.0                 | NA                                 | NA          | Interpolated        |
|                         | ACH580-01-077A-6              |                                           | NA               | NA       | 62         | 60.00 HP | 52         | 50.00 HP | R5            | Type 1                          | 28.83 x 7.99 x 11.61               | 62.4                 | -                                  | -                    | NA                                 | NA          | UUT-21 <sup>6</sup> |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2,-5,-7 NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. All units were tested in rigid and isolated mounting configs to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. Type Code appended to model number when an Optional Subcomponent is used

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Listed drive model was a subcomponent within the UUT

7. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

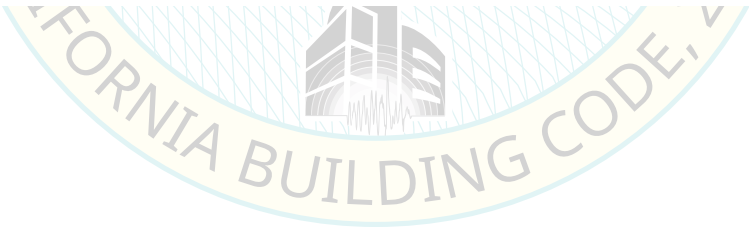


Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted (Cont.)

| System Voltage<br>[ V ] | Model <sup>5,6</sup>                              | ABB<br>Model Number | Ratings       |           |                  |           |                  |           | Frame<br>Size | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT          |
|-------------------------|---------------------------------------------------|---------------------|---------------|-----------|------------------|-----------|------------------|-----------|---------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|--------------|
|                         |                                                   |                     | Normal Duty   |           | Light Duty       |           | Heavy Duty       |           |               |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |              |
|                         |                                                   |                     | Current [ A ] | kW / HP   | Current<br>[ A ] | kW / HP   | Current<br>[ A ] | kW / HP   |               |                                 |                                    |                           |                                    |                           |                                    |                           |              |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-088A-2    | 88            | 30.00 HP  | 88               | 30.00 HP  | 74.8             | 25.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-114A-2    | 114           | 40.00 HP  | 114              | 40.00 HP  | 88               | 30.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
| 440-480                 |                                                   | Axx580-01-078A-4    | NA            | NA        | 77               | 60.00 HP  | 65               | 50.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-096A-4    | NA            | NA        | 96               | 75.00 HP  | 77               | 60.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
| 575-600                 |                                                   | Axx580-01-041A-6    | NA            | NA        | 41               | 40.00 HP  | 32               | 30.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-052A-6    | NA            | NA        | 52               | 50.00 HP  | 41               | 40.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-062A-6    | NA            | NA        | 62               | 60.00 HP  | 52               | 50.00 HP  | R5            | UL Open, 1, 12                  | 28.83 x 7.99 x 11.61               | 62.4                      | 32.01 x 7.99 x 12.60               | 64.0                      | NA                                 | NA                        | Interpolated |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-115A-2    | 115           | 40.00 HP  | 109              | 40.00 HP  | 87               | 30.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-145A-2    | 145           | 50.00 HP  | 138              | 50.00 HP  | 105              | 40.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-105A-3    | 105           | 55.00 kW  | 100              | 55.00 kW  | 87               | 45.00 kW  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-145A-3    | 145           | 75.00 kW  | 138              | 75.00 kW  | 105              | 55.00 kW  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-096A-5    | NA            | NA        | 96               | 75.00 HP  | 77               | 60.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-124A-5    | NA            | NA        | 124              | 100.00 HP | 96               | 75.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
| 525-690                 |                                                   | ACS880-01-061A-7    | NA            | NA        | 62               | 60.00 HP  | 52               | 50.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-084A-7    | NA            | NA        | 77               | 75.00 HP  | 62               | 60.00 HP  | R6            | UL Open, 1, 12; IP 20,21,55     | 28.62 x 9.92 x 14.1                | 93.1                      | 34.81 x 11.46 x 16.59              | 95.0                      | NA                                 | NA                        | Interpolated |
| 200-240                 | For Axx580:                                       | Axx580-01-143A-2    | 143           | 50.00 HP  | 143              | 50.00 HP  | 114              | 40.00 HP  | R6            | UL Open, 1, 12                  | 28.62 x 9.92 x 14.53               | 93.5                      | 34.81 x 11.46 x 16.40              | 95.0                      | NA                                 | NA                        | Interpolated |
| 440-480                 | xx = CS, CH,                                      | Axx580-01-124A-4    | NA            | NA        | 124              | 100.00 HP | 96               | 75.00 HP  | R6            | UL Open, 1, 12                  | 28.62 x 9.92 x 14.53               | 93.5                      | 34.81 x 11.46 x 16.40              | 95.0                      | NA                                 | NA                        | Interpolated |
| 200-240                 | For ACx580:                                       | ACx580-01-144A-2    | 144           | 37.00 kW  | 143              | 37.00 kW  | 114              | 30.00 kW  | R6            | IP 20, 21, 55                   | 28.62 x 9.92 x 14.53               | 93.5                      | 34.81 x 11.46 x 16.40              | 95.0                      | NA                                 | NA                        | Interpolated |
| 380-480                 | x = S, H, or                                      | ACx580-01-145A-4    | 145           | 75.00 kW  | 138              | 75.00 kW  | 105              | 55.00 kW  | R6            | IP 20, 21, 55                   | 28.62 x 9.92 x 14.53               | 93.5                      | 34.81 x 11.46 x 16.40              | 95.0                      | NA                                 | NA                        | Interpolated |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-170A-2    | 170           | 60.00 HP  | 162              | 60        | 145              | 50.00 HP  | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-206A-2    | 206           | 75.00 HP  | 196              | 75        | 169              | 60.00 HP  | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-169A-3    | 169           | 90.00 kW  | 161              | 90.00 kW  | 145              | 75.00 kW  | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-206A-3    | 206           | 110.00 kW | 196              | 110.00 kW | 169              | 90.00 kW  | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-156A-5    | NA            | NA        | 156              | 125.00 HP | 124              | 100.00 HP | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-180A-5    | NA            | NA        | 180              | 150.00 HP | 156              | 125.00 HP | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
| 525-690                 |                                                   | ACS880-01-098A-7    | NA            | NA        | 99               | 100.00 HP | 77               | 75.00 HP  | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-119A-7    | NA            | NA        | 125              | 125.00 HP | 99               | 100.00 HP | R7            | UL Open, 1, 12; IP 20,21,55     | 34.66 x 11.18 x 14.4               | 117.0                     | 40.87 x 12.67 x 16.65              | 119.1                     | NA                                 | NA                        | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-171A-2    | 171           | 45.00 kW  | 169              | 45.00 kW  | 143              | 37.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACx580-01-213A-2    | 213           | 55.00 kW  | 211              | 55.00 kW  | 169              | 45.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 380-480                 |                                                   | ACx580-01-169A-4    | 169           | 90.00 kW  | 161              | 90.00 kW  | 145              | 75.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACx580-01-206A-4    | 206           | 110.00 kW | 196              | 110.00 kW | 169              | 90.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 575-600                 |                                                   | ACx580-01-099A-6    | NA            | NA        | 99               | 75.00 kW  | 77               | 55.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACx580-01-125A-6    | NA            | NA        | 125              | 90.00 kW  | 99               | 75.00 kW  | R7            | IP 20, 21, 55                   | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-169A-2    | 169           | 60.00 HP  | 169              | 60.00 HP  | 143              | 50.00 HP  | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-211A-2    | 211           | 75.00 HP  | 211              | 75.00 HP  | 169              | 60.00 HP  | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 440-480                 |                                                   | Axx580-01-156A-4    | NA            | NA        | 156              | 125.00 HP | 124              | 100.00 HP | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-180A-4    | NA            | NA        | 180              | 150.00 HP | 156              | 125.00 HP | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 575-600                 |                                                   | Axx580-01-099A-6    | NA            | NA        | 99               | 100.00 HP | 77               | 75.00 HP  | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | Axx580-01-125A-6    | NA            | NA        | 125              | 125.00 HP | 99               | 100.00 HP | R7            | UL Open, 1, 12                  | 34.67 x 11.18 x 14.58              | 119.1                     | 41.00 x 13.00 x 16.00              | 123.5                     | NA                                 | NA                        | Interpolated |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-274A-2    | 274           | 100.00 HP | 260              | 100.00 HP | 213              | 75.00 HP  | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-246A-3    | 246           | 132.00 kW | 234              | 132.00 kW | 206              | 110.00 kW | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-293A-3    | 293           | 160.00 kW | 278              | 160.00 kW | 246              | 132.00 kW | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-240A-5    | NA            | NA        | 240              | 200.00 HP | 180              | 150.00 HP | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-260A-5    | NA            | NA        | 260              | 200.00 HP | 240              | 150.00 HP | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
| 525-690                 |                                                   | ACS880-01-142A-7    | NA            | NA        | 144              | 150.00 HP | 125              | 125.00 HP | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-174A-7    | NA            | NA        | 180              | 200.00 HP | 144              | 150.00 HP | R8            | UL Open, 1, 12; IP 20,21,55     | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                        | Interpolated |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2,-5,-7 NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. All units were tested in rigid and isolated mounting configs to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. When an Optional Subcomponent is present, its Type Code is appended to the model number

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 3 - Certified Products - Drives - 580-01 & 880-01 - Wall Mounted (Cont.)

| System Voltage<br>[ V ] | Model <sup>5,8</sup>                              | ABB<br>Model Number | Ratings       |         |                  |         |                  |           | Frame<br>Size | Available<br>Enclosure<br>Types | Type 1                             |                                   | Type 12                            |                           | Type 4X/IP66                       |                           | UUT                 |
|-------------------------|---------------------------------------------------|---------------------|---------------|---------|------------------|---------|------------------|-----------|---------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|---------------------|
|                         |                                                   |                     | Normal Duty   |         | Light Duty       |         | Heavy Duty       |           |               |                                 | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ]         | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |                     |
|                         |                                                   |                     | Current [ A ] | kW / HP | Current<br>[ A ] | kW / HP | Current<br>[ A ] | kW / HP   |               |                                 |                                    |                                   |                                    |                           |                                    |                           |                     |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-276A-2    | 276           | 75 kW   | 273              | 75 kW   | 211              | 55.00 kW  | R8            | IP 20, 21, 55                   | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 380-480                 |                                                   | ACx580-01-246A-4    | 246           | 132 kW  | 234              | 132 kW  | 206              | 110.00 kW | R8            | IP 20, 21, 55                   | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-293A-4    | 293           | 160 kW  | 278              | 160 kW  | 246              | 132.00 kW | R8            | IP 20, 21, 55                   | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 575-600                 |                                                   | ACx580-01-144A-6    | NA            | NA      | 144              | 110 kW  | 125              | 90.00 kW  | R8            | IP 20, 21, 55                   | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-273A-2    | 273           | 100 HP  | 273              | 100 HP  | 211              | 75.00 HP  | R8            | UL Open, 1, 12                  | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 440-480                 |                                                   | Axx580-01-240A-4    | NA            | NA      | 240              | 200 HP  | 180              | 150.00 HP | R8            | UL Open, 1, 12                  | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACH580-01-240A-4    | NA            | NA      | 240              | 200 HP  | 180              | 150.00 HP | R8            | Type 12                         | -                                  | -                                 | 44.23 x 13.80 x 17.77              | 170.0                     | -                                  | -                         | UUT-11 <sup>6</sup> |
|                         |                                                   | Axx580-01-260A-4    | NA            | NA      | 260              | 200 HP  | 240              | 150.00 HP | R8            | UL Open, 1, 12                  | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 575-600                 |                                                   | Axx580-01-144A-6    | NA            | NA      | 144              | 150 HP  | 125              | 125.00 HP | R8            | UL Open, 1, 12                  | 38.00 x 11.81 x 15.47              | 152.2                             | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                        | Interpolated        |
| 380-480                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)         | ACx580-01-363A-4    | 363           | 200 kW  | 345              | 200 kW  | 293              | 160.00 kW | R9            | IP 20, 21, 55                   | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
| 575-600                 |                                                   | ACx580-01-430A-4    | 430           | 250 kW  | 400              | 200 kW  | 363              | 200.00 kW | R9            | IP 20, 21, 55                   | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-192A-6    | NA            | NA      | 192              | 150 kW  | 144              | 110.00 kW | R9            | IP 20, 21, 55                   | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-242A-6    | NA            | NA      | 242              | 180 kW  | 192              | 150.00 kW | R9            | IP 20, 21, 55                   | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-271A-6    | NA            | NA      | 257              | 180 kW  | 210              | 150.00 kW | R9            | IP 20, 21, 55                   | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
| 440-480                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-192A-6    | NA            | NA      | 192              | 200 HP  | 144              | 150.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | Axx580-01-242A-6    | NA            | NA      | 242              | 250 HP  | 192              | 200.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-271A-6    | NA            | NA      | 271              | 250 HP  | 210              | 200.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-343A-2    | NA            | NA      | 343              | 125 HP  | 273              | 100.00HP  | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACx580-01-396A-2    | NA            | NA      | 396              | 150 HP  | 340              | 125.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | Axx580-01-302A-4    | NA            | NA      | 302              | 250 HP  | 260              | 200.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | Axx580-01-361A-4    | NA            | NA      | 361              | 300 HP  | 302              | 250.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | Axx580-01-414A-4    | NA            | NA      | 414              | 350 HP  | 361              | 300.00 HP | R9            | UL Open, 1, 12                  | 37.60 x 14.96 x 16.46              | 214.0                             | 46.75 x 16.95 x 18.60              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACH580-01-414A-4    | NA            | NA      | 414              | 350 HP  | 361              | 300.00 HP | R9            | Type 12                         | -                                  | -                                 | 39.0 <sup>(7)</sup> x 15.0 x 19.0  | 216.0                     | -                                  | -                         | UUT-02              |
| 380-415                 | ACS880<br>See Note 2<br>below                     | ACS880-01-363A-3    | 363           | 200 kW  | 345              | 200 kW  | 293              | 160.00 kW | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
| 525-690                 |                                                   | ACS880-01-430A-3    | 430           | 250 kW  | 400              | 250 kW  | 363              | 200.00 kW | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACS880-01-210A-7    | NA            | NA      | 242              | 250 HP  | 192              | 200.00 HP | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
| 380-500                 |                                                   | ACS880-01-271A-7    | NA            | NA      | 271              | 250 HP  | 242              | 250.00 HP | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACS880-01-302A-5    | NA            | NA      | 302              | 250 HP  | 360              | 200.00 HP | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACS880-01-361A-5    | NA            | NA      | 361              | 300 HP  | 302              | 250.00 HP | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         |                                                   | ACS880-01-414A-5    | NA            | NA      | 414              | 350 kW  | 361              | 300.00 HP | R9            | UL Open, 1, 12; IP 20,21,55     | 37.60 x 14.96 x 16.27              | 209.5                             | 46.75 x 16.95 x 18.78              | 224.9                     | NA                                 | NA                        | Interpolated        |
|                         | ACS880-01-414A-5                                  | NA                  | NA            | 414     | 350 kW           | 361     | 300.00 HP        | R9        | Type 12       | -                               | -                                  | 37.0 <sup>(7)</sup> x 15.0 x 19.0 | 225                                | -                         | -                                  | UUT-15                    |                     |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as IEC rating.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. Type Code appended to model number when an Optional Subcomponent is used

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Listed drive model was a subcomponent within the UUT

7. UUT height measurement does not include drip hood

8. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 4 - Certified Products - Drives - 580-01 & 880-01 - Wall Mount Around Perimeter Using Flange Kit

| System Voltage<br>[ V ] | Model <sup>6,7</sup>                              | ABB<br>Model Number                    | Ratings          |          |                  |          |                  |          | Frame Size         | Available Enclosure Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT          |              |
|-------------------------|---------------------------------------------------|----------------------------------------|------------------|----------|------------------|----------|------------------|----------|--------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|--------------|--------------|
|                         |                                                   |                                        | Normal Duty      |          | Light Duty       |          | Heavy Duty       |          |                    |                           | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] |              |              |
|                         |                                                   |                                        | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  |                    |                           |                                    |                           |                                    |                           |                                    |                           |              |              |
| 200-240                 | For ACx580:<br>x = S, H, or Q<br>(IEC)            | ACx580-01-04A7-2                       | 4.7              | 0.75 kW  | 4.6              | 0.75 kW  | 3.5              | 0.75 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-06A7-2                       | 6.7              | 1.10 kW  | 6.6              | 1.10 kW  | 4.6              | 0.75 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-07A6-2                       | 7.6              | 1.50 kW  | 7.5              | 1.50 kW  | 6.6              | 1.10 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-012A-2                       | 12.0             | 2.20 kW  | 11.8             | 2.20 kW  | 7.5              | 1.50 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-018A-2                       | 16.9             | 4.00 kW  | 16.7             | 4.00 kW  | 10.6             | 2.20 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
| 380-480                 |                                                   | ACx580-01-02A7-4                       | 2.6              | 0.75 kW  | 2.5              | 0.75 kW  | 1.8              | 0.55 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-03A4-4                       | 3.3              | 1.10 kW  | 3.1              | 1.10 kW  | 2.6              | 0.75 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-04A1-4                       | 4                | 1.50 kW  | 3.8              | 1.50 kW  | 3.3              | 1.10 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-05A7-4                       | 5.6              | 2.20 kW  | 5.3              | 2.20 kW  | 4                | 1.50 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-07A3-4                       | 7.2              | 3.00 kW  | 6.8              | 3.00 kW  | 5.6              | 2.20 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or YK<br>(NEC) | ACx580-01-09A5-4                       | 9.4              | 4.00 kW  | 8.9              | 4.00 kW  | 7.2              | 3.00 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACx580-01-12A7-4                       | 12.6             | 5.50 kW  | 12               | 5.50 kW  | 9.4              | 4.00 kW  | R1                 | IP 20, 21, 55, 66         | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | Axx580-01-04A6-2                       | 4.6              | 1.00 HP  | 4.6              | 1.00 HP  | 3.5              | 0.80 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | Axx580-01-06A6-2                       | 6.6              | 1.50 HP  | 6.6              | 1.50 HP  | 4.6              | 1.00 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | Axx580-01-07A5-2                       | 7.5              | 2.00 HP  | 7.5              | 2.00 HP  | 6.6              | 1.50 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | Axx580-01-10A6-2                       | 10.6             | 3.00 HP  | 10.6             | 3.00 HP  | 7.5              | 2.00 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | Axx580-01-017A-2                       | 16.7             | 5.00 HP  | 16.7             | 5.00 HP  | 10.6             | 3.00 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Extrapolated |              |
|                         |                                                   | ACS580-01-017A-2                       | 16.7             | 5.00 HP  | 16.7             | 5.00 HP  | 10.6             | 3.00 HP  | R1                 | Type 4X                   | -                                  | -                         | -                                  | -                         | 25.3 x 10.8 x 9.0                  | 32.8                      | UUT-33A,B    |              |
|                         |                                                   | 440-480                                | Axx580-01-02A1-4 | NA       | NA               | 2.1      | 1.00 HP          | 1.6      | 0.75 HP            | R1                        | UL Open, 1, 12, 4X                 | 14.69 x 4.92 x 8.78       | 10.2                               | 17.78 x 5.04 x 9.17       | 10.6                               | 26.6 x 10.7 x 9.5         | 38.0         | Interpolated |
|                         |                                                   |                                        | Axx580-01-03A0-4 | NA       | NA               | 3        | 1.50 HP          | 2.1      | 1.00 HP            | R1                        | UL Open, 1, 12, 4X                 | 14.69 x 4.92 x 8.78       | 10.2                               | 17.78 x 5.04 x 9.17       | 10.6                               | 26.6 x 10.7 x 9.5         | 38.0         | Interpolated |
|                         |                                                   |                                        | Axx580-01-03A5-4 | NA       | NA               | 3.5      | 2.00 HP          | 3        | 1.50 HP            | R1                        | UL Open, 1, 12, 4X                 | 14.69 x 4.92 x 8.78       | 10.2                               | 17.78 x 5.04 x 9.17       | 10.6                               | 26.6 x 10.7 x 9.5         | 38.0         | Interpolated |
|                         |                                                   |                                        | Axx580-01-04A8-4 | NA       | NA               | 4.8      | 3.00 HP          | 3.4      | 2.00 HP            | R1                        | UL Open, 1, 12, 4X                 | 14.69 x 4.92 x 8.78       | 10.2                               | 17.78 x 5.04 x 9.17       | 10.6                               | 26.6 x 10.7 x 9.5         | 38.0         | Interpolated |
| Axx580-01-06A0-4        |                                                   |                                        | NA               | NA       | 6                | 3.00 HP  | 4                | 3.00 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Interpolated |              |
| Axx580-01-07A6-4        |                                                   |                                        | NA               | NA       | 7.6              | 5.00 HP  | 4.8              | 3.00 HP  | R1                 | UL Open, 1, 12, 4X        | 14.69 x 4.92 x 8.78                | 10.2                      | 17.78 x 5.04 x 9.17                | 10.6                      | 26.6 x 10.7 x 9.5                  | 38.0                      | Interpolated |              |
| 200-240                 |                                                   | For ACx580:<br>x = S, H, or Q<br>(IEC) | Axx580-01-012A-4 | NA       | NA               | 12       | 7.50 HP          | 7.6      | 5.00 HP            | R1                        | UL Open, 1, 12, 4X                 | 14.69 x 4.92 x 8.78       | 10.2                               | 17.78 x 5.04 x 9.17       | 10.6                               | 26.6 x 10.7 x 9.5         | 38.0         | Interpolated |
|                         |                                                   |                                        | ACx580-01-025A-2 | 24.5     | 5.50 kW          | 24.2     | 5.50 kW          | 16.7     | 4.00 kW            | R2                        | IP 20, 21, 55, 66                  | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 29.8 x 10.7 x 10.0        | 45.0         | Interpolated |
| 380-480                 |                                                   |                                        | ACx580-01-032A-2 | 31.2     | 7.50 kW          | 30.8     | 7.50 kW          | 24.2     | 5.50 kW            | R2                        | IP 20, 21, 55, 66                  | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 29.8 x 10.7 x 10.0        | 45.0         | Interpolated |
|                         | ACx580-01-018A-4                                  |                                        | 17               | 7.50 kW  | 16.2             | 7.50 kW  | 12.6             | 5.50 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
| 575-600                 | ACx580-01-026A-4                                  |                                        | 25               | 11.00 kW | 23.8             | 11.00 kW | 17               | 7.50 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         | ACx580-01-02A7-6                                  |                                        | NA               | NA       | 2.7              | 1.50 kW  | 2.4              | 1.10 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         | ACx580-01-03A9-6                                  |                                        | NA               | NA       | 3.9              | 2.20 kW  | 2.7              | 1.50 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         | ACx580-01-06A1-6                                  |                                        | NA               | NA       | 6.1              | 4.00 kW  | 3.9              | 2.20 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         | ACx580-01-09A0-6                                  | NA                                     | NA               | 9        | 5.50 kW          | 6.1      | 4.00 kW          | R2       | IP 20, 21, 55, 66  | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 29.8 x 10.7 x 10.0        | 45.0                               | Interpolated              |              |              |
|                         | ACx580-01-11A0-6                                  | NA                                     | NA               | 11       | 7.50 kW          | 9        | 5.50 kW          | R2       | IP 20, 21, 55, 66  | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 29.8 x 10.7 x 10.0        | 45.0                               | Interpolated              |              |              |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or YK<br>(NEC) | ACx580-01-017A-6                       | NA               | NA       | 17               | 11.00 kW | 11               | 7.50 kW  | R2                 | IP 20, 21, 55, 66         | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-024A-2                       | 24.2             | 7.50 HP  | 24.2             | 7.50 HP  | 16.7             | 5.00 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
| 440-480                 |                                                   | Axx580-01-031A-2                       | 31               | 10.00 HP | 31               | 10.00 HP | 24.2             | 7.50 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-014A-4                       | NA               | NA       | 14               | 10.00 HP | 11               | 7.50 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
| 575-600                 |                                                   | Axx580-01-023A-4                       | NA               | NA       | 23               | 15.00 HP | 15               | 10.00 HP | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-02A7-6                       | NA               | NA       | 2.7              | 2.00 HP  | 2.4              | 1.50 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-03A9-6                       | NA               | NA       | 3.9              | 3.00 HP  | 2.7              | 2.00 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-06A1-6                       | NA               | NA       | 6.1              | 5.00 HP  | 3.9              | 3.00 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-09A0-6                       | NA               | NA       | 9                | 7.50 HP  | 6.1              | 5.00 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
|                         |                                                   | Axx580-01-011A-6                       | NA               | NA       | 11               | 10.00 HP | 9                | 7.50 HP  | R2                 | UL Open, 1, 12, 4X        | 18.62 x 4.94 x 9.00                | 14.6                      | 21.49 x 5.06 x 9.41                | 15.0                      | 29.8 x 10.7 x 10.0                 | 45.0                      | Interpolated |              |
| 575-600                 | Axx580-01-017A-6                                  | NA                                     | NA               | 17       | 15.00 HP         | 11       | 10.00 HP         | R2       | UL Open, 1, 12, 4X | 18.62 x 4.94 x 9.00       | 14.6                               | 21.49 x 5.06 x 9.41       | 15.0                               | 29.8 x 10.7 x 10.0        | 45.0                               | Interpolated              |              |              |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. Flange Kit options are available for all units, Type Code +C135

4. All units were tested in rigid and isolated mounting configurations to S<sub>DS</sub>=2.0 at z/h=1.0, and S<sub>DS</sub>=2.5 at z/h=0.0.

5. When an Optional Subcomponent is present, its Type Code is appended to the model number

6. AYK580-01 units are identical to ACx580-01 units other than software and branding

7. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 4 - Certified Products - Drives - 580-01 & 880-01 - Wall Mount Around Perimeter Using Flange Kit (Cont.)

| System Voltage<br>[ V ] | Model <sup>6,7</sup>                              | ABB<br>Model Number                                  | Ratings          |          |                  |          |                  |          | Frame<br>Size | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT          |
|-------------------------|---------------------------------------------------|------------------------------------------------------|------------------|----------|------------------|----------|------------------|----------|---------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|--------------|
|                         |                                                   |                                                      | Normal Duty      |          | Light Duty       |          | Heavy Duty       |          |               |                                 | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |              |
|                         |                                                   |                                                      | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  |               |                                 |                                    |                           |                                    |                           |                                    |                           |              |
| 208-240                 | ACS880<br>See Note 2<br>below                     | ACS880-01-04A6-2                                     | 4.6              | 1.00 HP  | 4.4              | 1.00 HP  | 3.7              | 0.75 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-06A6-2                                     | 6.6              | 1.50 HP  | 6.3              | 1.50 HP  | 4.6              | 1.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-07A5-2                                     | 7.5              | 2.00 HP  | 7.1              | 2.00 HP  | 6.6              | 1.50 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-10A6-2                                     | 10.6             | 3.00 HP  | 10.1             | 3.00 HP  | 7.5              | 2.00 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-02A4-3                                     | 2.4              | 0.75 kW  | 2.3              | 0.75 kW  | 1.8              | 0.55 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-03A3-3                                     | 3.3              | 1.10 kW  | 3.1              | 1.10 kW  | 2.4              | 0.75 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-04A0-3                                     | 4                | 1.50 kW  | 3.8              | 1.50 kW  | 3.3              | 1.10 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-05A6-3                                     | 5.6              | 2.20 kW  | 5.3              | 2.20 kW  | 4                | 1.50 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-07A2-3                                     | 8                | 3.00 kW  | 7.6              | 3.00 kW  | 5.6              | 2.20 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-09A4-3                                     | 10               | 4.00 kW  | 9.5              | 4.00 kW  | 8                | 3.00 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-12A6-3                                     | 12.9             | 5.50 kW  | 12               | 5.50 kW  | 10               | 4.00 kW  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-02A1-5                                     | NA               | NA       | 2.1              | 1.00 HP  | 1.7              | 0.75 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-03A0-5                                     | NA               | NA       | 3                | 1.50 HP  | 2.1              | 1.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-03A4-5                                     | NA               | NA       | 3.4              | 2.00 HP  | 3                | 1.50 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-04A8-5                                     | NA               | NA       | 4.8              | 3.00 HP  | 3.4              | 2.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-05A2-5                                     | NA               | NA       | 5.2              | 3.00 HP  | 4.8              | 2.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
| 208-240                 |                                                   | ACS880-01-07A6-5                                     | NA               | NA       | 7.6              | 5.00 HP  | 5.2              | 3.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-11A0-5                                     | NA               | NA       | 11               | 7.50 HP  | 7.6              | 5.00 HP  | R1            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 8.91                | 15.5                      | 17.72 x 6.38 x 11.50               | 18.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-16A8-2                                     | 16.8             | 5.00 HP  | 16               | 5.00 HP  | 10.6             | 3.00 HP  | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-24A3-2                                     | 24.3             | 7.50 HP  | 23.1             | 7.50 HP  | 16.8             | 5.00 HP  | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-017A-3                                     | 17               | 7.50 kW  | 16               | 7.50 kW  | 12.6             | 5.50 kW  | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-025A-3                                     | 25               | 11.00 kW | 24               | 11.00 kW | 17               | 7.50 kW  | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-014A-5                                     | NA               | NA       | 14               | 10.00 HP | 11               | 7.50 HP  | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-021A-5                                     | NA               | NA       | 21               | 15.00 HP | 14               | 10.00 HP | R2            | UL Open, 1, 12; IP 20,21,55     | 16.11 x 6.10 x 9.82                | 19.0                      | 17.72 x 6.38 x 12.40               | 21.0                      | NA                                 | NA                        | Interpolated |
| 208-240                 |                                                   | ACS880-01-031A-2                                     | 31               | 10.00 HP | 29.3             | 10.00 HP | 24.3             | 7.50 HP  | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                   | ACS880-01-032A-3                                     | 32               | 15.00 kW | 30               | 15.00 kW | 25               | 11.00 kW | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-038A-3                                     | 38               | 18.50 kW | 36               | 18.50 kW | 32               | 15.00 kW | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                   | ACS880-01-027A-5                                     | NA               | NA       | 27               | 20.00 HP | 21               | 15.00 HP | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-034A-5                                     | NA               | NA       | 34               | 25.00 HP | 27               | 20.00 HP | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
| 525-690                 |                                                   | ACS880-01-07A4-7                                     | NA               | NA       | 7                | 5.00 HP  | 5.6              | 3.00 HP  | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-09A9-7                                     | NA               | NA       | 9.4              | 7.50 HP  | 7.4              | 5.00 HP  | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-14A3-7                                     | NA               | NA       | 13.6             | 10.00 HP | 9.9              | 7.50 HP  | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-019A-7                                     | NA               | NA       | 18               | 15.00 HP | 14.3             | 10.00 HP | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-023A-7                                     | NA               | NA       | 22               | 20.00 HP | 19               | 15.00 HP | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
|                         |                                                   | ACS880-01-027A-7                                     | NA               | NA       | 27               | 25.00 HP | 23               | 20.00 HP | R3            | UL Open, 1, 12; IP 20,21,55     | 18.71 x 6.8 x 10.28                | 24.0                      | 20.7 x 7.09 x 12.87                | 26.5                      | NA                                 | NA                        | Interpolated |
| 200-240                 |                                                   | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | Axx580-01-046A-2 | 46.2     | 15.00 HP         | 46.2     | 15.00 HP         | 30.8     | 10.00 HP      | R3                              | UL Open, 1, 12, 4X                 | 19.29 x 7.99 x 9.02       | 26.1                               | 20.93 x 8.16 x 9.33       | 28.7                               | 31.4 x 13.4 x 9.7         | 61.4         |
|                         | Axx580-01-059A-2                                  |                                                      | 59.4             | 20.00 HP | 59.4             | 20.00 HP | 46.2             | 15.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         | ACS580-01-059A-2                                  |                                                      | 59.4             | 20.00 HP | 59.4             | 20.00 HP | 46.2             | 15.00 HP | R3            | Type 4X                         | -                                  | -                         | -                                  | -                         | 31.5 x 13.3 x 10.0                 | 61.4                      | UUT-35A,B    |
| 440-480                 | Axx580-01-027A-4                                  |                                                      | NA               | NA       | 27               | 20.00 HP | 21               | 15.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         | Axx580-01-034A-4                                  |                                                      | NA               | NA       | 34               | 25.00 HP | 27               | 20.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         | Axx580-01-044A-4                                  |                                                      | NA               | NA       | 44               | 30.00 HP | 34               | 25.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
| 575-600                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | Axx580-01-022A-6                                     | NA               | NA       | 22               | 20.00 HP | 17               | 15.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                   | Axx580-01-027A-6                                     | NA               | NA       | 27               | 25.00 HP | 22               | 20.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                   | Axx580-01-032A-6                                     | NA               | NA       | 32               | 30.00 HP | 27               | 25.00 HP | R3            | UL Open, 1, 12, 4X              | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |

- Notes:
1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. Flange Kit options are available for all units, Type Code +C135

4. All units were tested in rigid and isolated mounting configurations to S<sub>D5</sub>=2.0 at z/h=1.0, and S<sub>D5</sub>=2.5 at z/h=0.0.

5. When an Optional Subcomponent is present, its Type Code is appended to the model number

6. AYK580-01 units are identical to ACx580-01 units other than software and branding

7. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 4 - Certified Products - Drives - 580-01 & 880-01 - Wall Mount Around Perimeter Using Flange Kit (Cont.)

| System Voltage<br>[ V ] | Model <sup>6,7</sup>                                 | ABB<br>Model Number | Ratings          |          |                  |          |                  |                             | Frame<br>Size               | Available<br>Enclosure<br>Types | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                           | UUT          |
|-------------------------|------------------------------------------------------|---------------------|------------------|----------|------------------|----------|------------------|-----------------------------|-----------------------------|---------------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|--------------|
|                         |                                                      |                     | Normal Duty      |          | Light Duty       |          | Heavy Duty       |                             |                             |                                 | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max<br>Drv. Wt.<br>[ lb ] |              |
|                         |                                                      |                     | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP  | Current<br>[ A ] | kW / HP                     |                             |                                 |                                    |                           |                                    |                           |                                    |                           |              |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            | ACx580-01-047A-2    | 46.7             | 11.00 kW | 46.2             | 11.00 kW | 30.8             | 7.50 kW                     | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
| 380-480                 |                                                      | ACx580-01-060A-2    | 60.0             | 15.00 kW | 59.4             | 15.00 kW | 46.2             | 11.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                      | ACx580-01-033A-4    | 32               | 15.00 kW | 30.4             | 15.00 kW | 24.6             | 11.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                      | ACx580-01-039A-4    | 38               | 18.50 kW | 36.1             | 18.50 kW | 31.6             | 15.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                      | ACx580-01-046A-4    | 45               | 22.00 kW | 42.8             | 22.00 kW | 37.7             | 18.50 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
| 575-600                 |                                                      | ACx580-01-022A-6    | NA               | NA       | 22               | 15.00 kW | 17               | 11.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                      | ACx580-01-027A-6    | NA               | NA       | 27               | 18.50 kW | 22               | 15.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
| 208-240                 | ACS880<br>See Note 2<br>below                        | ACx580-01-032A-6    | NA               | NA       | 32               | 22.00 kW | 27               | 19.00 kW                    | R3                          | IP 20, 21, 55, 66               | 19.29 x 7.99 x 9.02                | 26.1                      | 20.93 x 8.16 x 9.33                | 28.7                      | 31.4 x 13.4 x 9.7                  | 61.4                      | Interpolated |
|                         |                                                      | ACS880-01-046A-2    | 46               | 15.00 HP | 44               | 15.00 HP | 38               | 10.00 HP                    | R4                          | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated |
| ACS880-01-061A-2        |                                                      | 61                  | 20.00 HP         | 58       | 20.00 HP         | 45       | 15.00 HP         | R4                          | UL Open, 1, 12; IP 20,21,55 | 22.85 x 7.99 x 10.8             | 41.1                               | 28.93 x 9.30 x 13.54      | 42.2                               | NA                        | NA                                 | Interpolated              |              |
| ACS880-01-045A-3        |                                                      | 45                  | 22.00 kW         | 43       | 22.00 kW         | 38       | 18.50 kW         | R4                          | UL Open, 1, 12; IP 20,21,55 | 22.85 x 7.99 x 10.8             | 41.1                               | 28.93 x 9.30 x 13.54      | 42.2                               | NA                        | NA                                 | Interpolated              |              |
| ACS880-01-061A-3        |                                                      | 61                  | 30.00 kW         | 58       | 30.00 kW         | 45       | 22.00 kW         | R4                          | UL Open, 1, 12; IP 20,21,55 | 22.85 x 7.99 x 10.8             | 41.1                               | 28.93 x 9.30 x 13.54      | 42.2                               | NA                        | NA                                 | Interpolated              |              |
| 380-500                 |                                                      | ACS880-01-040A-5    | NA               | NA       | 40               | 30.00 HP | 34               | 25.00 HP                    | R4                          | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-052A-5    | NA               | NA       | 52               | 40.00 HP | 40               | 30.00 HP                    | R4                          | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 41.1                      | 28.93 x 9.30 x 13.54               | 42.2                      | NA                                 | NA                        | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            | ACx580-01-075A-2    | NA               | NA       | 74.8             | 25.00 HP | 59.4             | 20.00 HP                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-090A-2    | NA               | NA       | 90               | 30.00 HP | 75               | 25.00 HP                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-076A-2    | NA               | NA       | 75               | 18.5 kW  | 59               | 15.00 kW                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-091A-2    | NA               | NA       | 88               | 22.0 Kw  | 75               | 18.5 kW                     | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
| 380-480                 |                                                      | ACx580-01-076A-2    | 76               | 18.50 kW | 74.8             | 18.50 kW | 59.4             | 15.00 kW                    | R4                          | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-062A-4    | 62               | 30.00 kW | 58               | 30.00 kW | 45               | 22.00 kW                    | R4                          | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-073A-4    | 73               | 37.00 kW | 68               | 37.00 kW | 61               | 30.00 kW                    | R4                          | IP 20, 21, 55                   | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | Axx580-01-075A-2    | 74.8             | 25.00 HP | 74.8             | 25.00 HP | 59.4             | 20.00 HP                    | R4                          | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
| 440-480                 |                                                      | Axx580-01-052A-4    | NA               | NA       | 52               | 40.00 HP | 40               | 30.00 HP                    | R4                          | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | Axx580-01-065A-4    | NA               | NA       | 65               | 50.00 HP | 52               | 40.00 HP                    | R4                          | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | Axx580-01-077A-4    | NA               | NA       | 77               | 60.00 HP | 65               | 50.00 HP                    | R4                          | UL Open, 1, 12                  | 25.04 x 7.99 x 10.13               | 41.9                      | 27.03 x 8.59 x 10.43               | 44.1                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | Axx580-01-052A-4    | NA               | NA       | 52               | 40.00 HP | 40               | 30.00 HP                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | Axx580-01-065A-4    | NA               | NA       | 65               | 50.00 HP | 52               | 40.00 HP                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | Axx580-01-077A-4    | NA               | NA       | 77               | 60.00 HP | 65               | 50.00 HP                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-062A-4    | NA               | NA       | 58               | 30.00 kW | 45               | 22.00 kW                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACx580-01-073A-4    | NA               | NA       | 68               | 37.00 kW | 61               | 30.00 kW                    | R4 v2                       | UL Open, 1, 12; IP 20,21,55     | 22.85 x 7.99 x 10.8                | 44.1                      | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated |
| ACx580-01-089A-4        | NA                                                   | NA                  | 83               | 45.00 kW | 72               | 37.00 kW | R4 v2            | UL Open, 1, 12; IP 20,21,55 | 22.85 x 7.99 x 10.8         | 44.1                            | 28.93 x 9.30 x 13.54               | 46.3                      | NA                                 | NA                        | Interpolated                       |                           |              |
| 208-240                 | ACS880<br>See Note 2<br>below                        | ACS880-01-075A-2    | 75               | 25.00 HP | 71               | 25.00 HP | 61               | 20.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
| 380-415                 |                                                      | ACS880-01-087A-2    | 87               | 30.00 HP | 83               | 30.00 HP | 72               | 25.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-072A-3    | 72               | 37.00 kW | 68               | 37.00 kW | 61               | 30.00 kW                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-087A-3    | 87               | 45.00 kW | 83               | 45.00 kW | 72               | 37.00 kW                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
| 380-500                 |                                                      | ACS880-01-065A-5    | NA               | NA       | 65               | 50.00 HP | 52               | 40.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-077A-5    | NA               | NA       | 77               | 60.00 HP | 65               | 50.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-07A3-7    | NA               | NA       | 9                | 7.50 HP  | 6.1              | 5.00 HP                     | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
| 525-690                 |                                                      | ACS880-01-09A8-7    | NA               | NA       | 11               | 10.00 HP | 9                | 7.50 HP                     | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-14A2-7    | NA               | NA       | 17               | 15.00 HP | 11               | 10.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-018A-7    | NA               | NA       | 22               | 20.00 HP | 17               | 15.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-022A-7    | NA               | NA       | 27               | 25.00 HP | 22               | 20.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |
|                         |                                                      | ACS880-01-026A-7    | NA               | NA       | 32               | 30.00 HP | 27               | 25.00 HP                    | R5                          | UL Open, 1, 12; IP 20,21,55     | 28.82 x 7.99 x 10.79               | 50.3                      | 34.89 x 9.30 x 13.54               | 52.0                      | NA                                 | NA                        | Interpolated |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. Flange Kit options are available for all units, Type Code +C135</

Table 4 - Certified Products - Drives - 580-01 & 880-01 - Wall Mount Around Perimeter Using Flange Kit (Cont.)

| System Voltage<br>[ V ] | Model <sup>6,7</sup>                                 | ABB<br>Model Number | Ratings          |           |                  |           |                  |           | Frame Size     | Available Enclosure Types   | Type 1                             |                        | Type 12                            |                        | Type 4X/IP66                       |                        | UUT          |
|-------------------------|------------------------------------------------------|---------------------|------------------|-----------|------------------|-----------|------------------|-----------|----------------|-----------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|--------------|
|                         |                                                      |                     | Normal Duty      |           | Light Duty       |           | Heavy Duty       |           |                |                             | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] |              |
|                         |                                                      |                     | Current<br>[ A ] | kW / HP   | Current<br>[ A ] | kW / HP   | Current<br>[ A ] | kW / HP   |                |                             |                                    |                        |                                    |                        |                                    |                        |              |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | Axx580-01-088A-2    | 88               | 30.00 HP  | 88               | 30.00 HP  | 74.8             | 25.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-114A-2    | 114              | 40.00 HP  | 114              | 40.00 HP  | 88               | 30.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
| 440-480                 |                                                      | Axx580-01-078A-4    | NA               | NA        | 77               | 60.00 HP  | 65               | 50.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-096A-4    | NA               | NA        | 96               | 75.00 HP  | 77               | 60.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACH580-01-096A-4    | NA               | NA        | 96               | 75.00 HP  | 77               | 60.00 HP  | R5             | Type 1                      | 25.0 x 8.0 x 12.0                  | 59.0                   | -                                  | -                      | -                                  | -                      | UUT-12       |
| 575-600                 |                                                      | Axx580-01-041A-6    | NA               | NA        | 41               | 40.00 HP  | 32               | 30.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-052A-6    | NA               | NA        | 52               | 50.00 HP  | 41               | 40.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-062A-6    | NA               | NA        | 62               | 60.00 HP  | 52               | 50.00 HP  | R5             | UL Open, 1, 12              | 28.83 x 7.99 x 11.61               | 62.4                   | 32.01 x 7.99 x 12.60               | 64.0                   | NA                                 | NA                     | Interpolated |
|                         | Axx580-01-077A-6                                     | NA                  | NA               | 62        | 60.00 HP         | 52        | 50.00 HP         | R5        | UL Open, 1, 12 | 28.83 x 7.99 x 11.61        | 62.4                               | 32.01 x 7.99 x 12.60   | 64.0                               | NA                     | NA                                 | Interpolated           |              |
| 208-240                 | ACS880<br>See Note 2<br>below                        | ACS880-01-115A-2    | 115              | 40.00 HP  | 109              | 40        | 87               | 30.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-145A-2    | 145              | 50.00 HP  | 138              | 50        | 105              | 40.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
| 380-415                 |                                                      | ACS880-01-105A-3    | 105              | 55.00 kW  | 100              | 55.00 kW  | 87               | 45.00 kW  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-145A-3    | 145              | 75.00 kW  | 138              | 75.00 kW  | 105              | 55.00 kW  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
| 380-500                 |                                                      | ACS880-01-096A-5    | NA               | NA        | 96               | 75.00 HP  | 77               | 60.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-124A-5    | NA               | NA        | 124              | 100.00 HP | 96               | 75.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
| 525-690                 |                                                      | ACS880-01-061A-7    | NA               | NA        | 62               | 60.00 HP  | 52               | 50.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-084A-7    | NA               | NA        | 77               | 75.00 HP  | 62               | 60.00 HP  | R6             | UL Open, 1, 12; IP 20,21,55 | 28.62 x 9.92 x 14.1                | 93.1                   | 34.81 x 11.46 x 16.59              | 95.0                   | NA                                 | NA                     | Interpolated |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK          | Axx580-01-143A-2    | 143              | 50.00 HP  | 143              | 50.00 HP  | 114              | 40.00 HP  | R6             | UL Open, 1, 12              | 28.62 x 9.92 x 14.53               | 93.5                   | 34.81 x 11.46 x 16.40              | 95.0                   | NA                                 | NA                     | Interpolated |
| 440-480                 |                                                      | Axx580-01-124A-4    | NA               | NA        | 124              | 100.00 HP | 96               | 75.00 HP  | R6             | UL Open, 1, 12              | 28.62 x 9.92 x 14.53               | 93.5                   | 34.81 x 11.46 x 16.40              | 95.0                   | NA                                 | NA                     | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q                     | ACx580-01-144A-2    | 144              | 37.00 kW  | 143              | 37.00 kW  | 114              | 30.00 kW  | R6             | IP 20, 21, 55               | 28.62 x 9.92 x 14.53               | 93.5                   | 34.81 x 11.46 x 16.40              | 95.0                   | NA                                 | NA                     | Interpolated |
| 380-480                 |                                                      | ACx580-01-145A-4    | 145              | 75.00 kW  | 138              | 75.00 kW  | 105              | 55.00 kW  | R6             | IP 20, 21, 55               | 28.62 x 9.92 x 14.53               | 93.5                   | 34.81 x 11.46 x 16.40              | 95.0                   | NA                                 | NA                     | Interpolated |
| 208-240                 | ACS880<br>See Note 2<br>below                        | ACS880-01-170A-2    | 170              | 60.00 HP  | 162              | 60        | 145              | 50.00 HP  | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-206A-2    | 206              | 75.00 HP  | 196              | 75        | 169              | 60.00 HP  | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
| 380-415                 |                                                      | ACS880-01-169A-3    | 169              | 90.00 kW  | 161              | 90.00 kW  | 145              | 75.00 kW  | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-206A-3    | 206              | 110.00 kW | 196              | 110.00 kW | 169              | 90.00 kW  | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
| 380-500                 |                                                      | ACS880-01-156A-5    | NA               | NA        | 156              | 125.00 HP | 124              | 100.00 HP | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-180A-5    | NA               | NA        | 180              | 150.00 HP | 156              | 125.00 HP | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
| 525-690                 |                                                      | ACS880-01-098A-7    | NA               | NA        | 99               | 100.00 HP | 77               | 75.00 HP  | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACS880-01-119A-7    | NA               | NA        | 125              | 125.00 HP | 99               | 100.00 HP | R7             | UL Open, 1, 12; IP 20,21,55 | 34.66 x 11.18 x 14.4               | 117.0                  | 40.87 x 12.67 x 16.65              | 119.1                  | NA                                 | NA                     | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            | ACx580-01-171A-2    | 171              | 45.00 kW  | 169              | 45.00 kW  | 143              | 37.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACx580-01-213A-2    | 213              | 55.00 kW  | 211              | 55.00 kW  | 169              | 45.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
| 380-480                 |                                                      | ACx580-01-169A-4    | 169              | 90.00 kW  | 161              | 90.00 kW  | 145              | 75.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACx580-01-206A-4    | 206              | 110.00 kW | 196              | 110.00 kW | 169              | 90.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
| 575-600                 |                                                      | ACx580-01-099A-6    | NA               | NA        | 99               | 75.00 kW  | 77               | 55.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | ACx580-01-125A-6    | NA               | NA        | 125              | 90.00 kW  | 99               | 75.00 kW  | R7             | IP 20, 21, 55               | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | Axx580-01-169A-2    | 169              | 60.00 HP  | 169              | 60.00 HP  | 143              | 50.00 HP  | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-211A-2    | 211              | 75.00 HP  | 211              | 75.00 HP  | 169              | 60.00 HP  | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
| 440-480                 |                                                      | Axx580-01-156A-4    | NA               | NA        | 156              | 125.00 HP | 124              | 100.00 HP | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-180A-4    | NA               | NA        | 180              | 150.00 HP | 156              | 125.00 HP | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
| 575-600                 |                                                      | Axx580-01-099A-6    | NA               | NA        | 99               | 100.00 HP | 77               | 75.00 HP  | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |
|                         |                                                      | Axx580-01-125A-6    | NA               | NA        | 125              | 125.00 HP | 99               | 100.00 HP | R7             | UL Open, 1, 12              | 34.67 x 11.18 x 14.58              | 119.1                  | 41.00 x 13.00 x 16.00              | 123.5                  | NA                                 | NA                     | Interpolated |

- Notes:
1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. Flange Kit options are available for all units, Type Code +C135

4. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

5. When an Optional Subcomponent is present, its Type Code is appended to the model no.

6. AYK580-01 units are identical to ACx580-01 units other than software and branding

7. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 4 - Certified Products - Drives - 580-01 & 880-01 - Wall Mount Around Perimeter Using Flange Kit (Cont.)

| System Voltage<br>[ V ] | Model <sup>6,8</sup>                        | ABB<br>Model Number | Ratings          |           |                  |           |                  |           | Frame Size     | Available Enclosure Types   | Type 1                             |                           | Type 12                            |                           | Type 4X/IP66                       |                        | UUT          |
|-------------------------|---------------------------------------------|---------------------|------------------|-----------|------------------|-----------|------------------|-----------|----------------|-----------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|------------------------|--------------|
|                         |                                             |                     | Normal Duty      |           | Light Duty       |           | Heavy Duty       |           |                |                             | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv.<br>Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] |              |
|                         |                                             |                     | Current<br>[ A ] | kW / HP   | Current<br>[ A ] | kW / HP   | Current<br>[ A ] | kW / HP   |                |                             |                                    |                           |                                    |                           |                                    |                        |              |
| 208-240                 | ACS880<br>See Note 2<br>below               | ACS880-01-274A-2    | 274              | 100.00 HP | 260              | 100.00 HP | 213              | 75.00 HP  | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
| 380-415                 |                                             | ACS880-01-246A-3    | 246              | 132.00 kW | 234              | 132.00 kW | 206              | 110.00 kW | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-293A-3    | 293              | 160.00 kW | 278              | 160.00 kW | 246              | 132.00 kW | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
| 380-500                 |                                             | ACS880-01-240A-5    | NA               | NA        | 240              | 200.00 HP | 180              | 150.00 HP | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-260A-5    | NA               | NA        | 260              | 200.00 HP | 240              | 150.00 HP | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
| 525-690                 |                                             | ACS880-01-142A-7    | NA               | NA        | 144              | 150.00 HP | 125              | 125.00 HP | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-174A-7    | NA               | NA        | 180              | 200.00 HP | 144              | 150.00 HP | R8             | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 15.21              | 150.0                     | 44.23 x 13.8 x 17.8                | 163.2                     | NA                                 | NA                     | Interpolated |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)   | ACx580-01-276A-2    | 276              | 75.00 kW  | 273              | 75.00 kW  | 211              | 55.00 kW  | R8             | IP 20, 21, 55               | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 380-480                 |                                             | ACx580-01-246A-4    | 246              | 132.00 kW | 234              | 132.00 kW | 206              | 110.00 kW | R8             | IP 20, 21, 55               | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACx580-01-293A-4    | 293              | 160.00 kW | 278              | 160.00 kW | 246              | 132.00 kW | R8             | IP 20, 21, 55               | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 575-600                 |                                             | ACx580-01-144A-6    | NA               | NA        | 144              | 110.00 kW | 125              | 90.00 kW  | R8             | IP 20, 21, 55               | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK | Axx580-01-273A-2    | 273              | 100.00 HP | 273              | 100.00 HP | 211              | 75.00 HP  | R8             | UL Open, 1, 12              | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 440-480                 |                                             | Axx580-01-240A-4    | NA               | NA        | 240              | 200.00 HP | 180              | 150.00 HP | R8             | UL Open, 1, 12              | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | Axx580-01-260A-4    | NA               | NA        | 260              | 200.00 HP | 240              | 150.00 HP | R8             | UL Open, 1, 12              | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 575-600                 |                                             | Axx580-01-144A-6    | NA               | NA        | 144              | 150.00 HP | 125              | 125.00 HP | R8             | UL Open, 1, 12              | 38.00 x 11.81 x 15.47              | 152.2                     | 44.23 x 13.80 x 17.77              | 170.0                     | NA                                 | NA                     | Interpolated |
| 380-480                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)   | ACx580-01-363A-4    | 363              | 200.00 kW | 345              | 200.00 kW | 293              | 160.00 kW | R9             | IP 20, 21, 55               | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACx580-01-430A-4    | 430              | 250.00 kW | 400              | 200.00 kW | 363              | 200.00 kW | R9             | IP 20, 21, 55               | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
| 575-600                 |                                             | ACx580-01-192A-6    | NA               | NA        | 192              | 150.00 kW | 144              | 110.00 kW | R9             | IP 20, 21, 55               | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACx580-01-242A-6    | NA               | NA        | 242              | 180.00 kW | 192              | 150.00 kW | R9             | IP 20, 21, 55               | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACx580-01-271A-6    | NA               | NA        | 257              | 180.00 kW | 210              | 150.00 kW | R9             | IP 20, 21, 55               | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | Axx580-01-192A-6    | NA               | NA        | 192              | 200.00 HP | 144              | 150.00 HP | R9             | UL Open, 1, 12              | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
| 440-480                 | Axx580-01-242A-6                            | NA                  | NA               | 242       | 250.00 HP        | 192       | 200.00 HP        | R9        | UL Open, 1, 12 | 37.60 x 14.96 x 16.46       | 205.0                              | 46.75 x 16.95 x 18.60     | 205.0                              | NA                        | NA                                 | Interpolated           |              |
|                         | Axx580-01-271A-6                            | NA                  | NA               | 271       | 250.00 HP        | 210       | 200.00 HP        | R9        | UL Open, 1, 12 | 37.60 x 14.96 x 16.46       | 205.0                              | 46.75 x 16.95 x 18.60     | 205.0                              | NA                        | NA                                 | Interpolated           |              |
|                         | Axx580-01-302A-4                            | NA                  | NA               | 302       | 250.00 HP        | 260       | 200.00 HP        | R9        | UL Open, 1, 12 | 37.60 x 14.96 x 16.46       | 205.0                              | 46.75 x 16.95 x 18.60     | 205.0                              | NA                        | NA                                 | Interpolated           |              |
|                         | Axx580-01-361A-4                            | NA                  | NA               | 361       | 300.00 HP        | 302       | 250.00 HP        | R9        | UL Open, 1, 12 | 37.60 x 14.96 x 16.46       | 205.0                              | 46.75 x 16.95 x 18.60     | 205.0                              | NA                        | NA                                 | Interpolated           |              |
|                         | Axx580-01-414A-4                            | NA                  | NA               | 414       | 350.00 HP        | 361       | 300.00 HP        | R9        | UL Open, 1, 12 | 37.60 x 14.96 x 16.46       | 205.0                              | 46.75 x 16.95 x 18.60     | 205.0                              | NA                        | NA                                 | Interpolated           |              |
| 200-240                 | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)   | ACx580-01-343A-2    | NA               | NA        | 343              | 125.00 HP | 273              | 100.00HP  | R9             | UL Open, 1, 12              | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACx580-01-396A-2    | NA               | NA        | 396              | 150.00 HP | 340              | 125.00 HP | R9             | UL Open, 1, 12              | 37.60 x 14.96 x 16.46              | 205.0                     | 46.75 x 16.95 x 18.60              | 205.0                     | NA                                 | NA                     | Interpolated |
| 380-415                 | ACS880<br>See Note 2<br>below               | ACS880-01-363A-3    | 363              | 200.00 kW | 345              | 200.00 kW | 293              | 160.00 kW | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-430A-3    | 430              | 250.00 kW | 400              | 250.00 kW | 363              | 200.00 kW | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
| 525-690                 |                                             | ACS880-01-210A-7    | NA               | NA        | 242              | 250.00 HP | 192              | 200.00 HP | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-271A-7    | NA               | NA        | 271              | 250.00 HP | 242              | 250.00 HP | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
| 380-500                 |                                             | ACS880-01-302A-5    | NA               | NA        | 302              | 250.00 HP | 360              | 200.00 HP | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-361A-5    | NA               | NA        | 361              | 300.00 HP | 302              | 250.00 HP | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-414A-5    | NA               | NA        | 414              | 350.00 kW | 361              | 300.00 HP | R9             | UL Open, 1, 12; IP 20,21,55 | 37.60 x 14.96 x 16.27              | 205.0                     | 46.75 x 16.95 x 18.78              | 205.0                     | NA                                 | NA                     | Interpolated |
|                         |                                             | ACS880-01-414A-5    | NA               | NA        | 414              | 350.00 kW | 361              | 300.00 HP | R9             | Type 12                     | -                                  | -                         | 27.0 <sup>(7)</sup> x 14.0 x 16.0  | 205.0                     | -                                  | -                      | UUT-13       |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-01-xxxx-2, -5, -7 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-01-xxxx-3 is only available as an IEC rating.

3. Flange Kit options are available for all units, Type Code +C135

4. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

5. When an Optional Subcomponent is present, its Type Code is appended to the model number

6. AYK580-01 units are identical to ACx580-01 units other than software and branding

7. UUT height measurement does not include drip hood

8. Certified 580-01 & 880-01 Drives can also be used as a certified subcomponent within certified Panels

Table 5 - Certified Products - Drives - 580-31 & 880-11, -31 - Wall Mount Units

| System Voltage<br>[ V ] | Model <sup>5,7</sup>                                 | Construction                                          | ABB<br>Model Number | Normal Duty Ratings |          | Light Duty Ratings |          | Heavy Duty Ratings |                             | Frame Size                  | Available Enclosure Types   | Type 1                             |                        | Type 12                            |                        | UUT                                          |              |
|-------------------------|------------------------------------------------------|-------------------------------------------------------|---------------------|---------------------|----------|--------------------|----------|--------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------------|------------------------|------------------------------------|------------------------|----------------------------------------------|--------------|
|                         |                                                      |                                                       |                     | Current<br>[ A ]    | kW / HP  | Current<br>[ A ]   | kW / HP  | Current<br>[ A ]   | kW / HP                     |                             |                             | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] |                                              |              |
| 380-415                 | ACS880<br>See Note 2 below                           | -11,<br>-31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACS880-xx-09A4-3    | 10                  | 4.00 kW  | 9.5                | 4.00 kW  | 8                  | 3.00 kW                     | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-12A6-3    | 12.9                | 5.50 kW  | 12                 | 5.50 kW  | 10                 | 4.00 kW                     | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
| ACS880-xx-017A-3        |                                                      |                                                       | 17                  | 7.50 kW             | 16       | 7.50 kW            | 12.9     | 5.40 kW            | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| ACS880-xx-025A-3        |                                                      |                                                       | 25                  | 11.00 kW            | 24       | 11.00 kW           | 17       | 7.50 kW            | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| 380-500                 |                                                      |                                                       | ACS880-xx-07A6-5    | NA                  | NA       | 7.6                | 5.00 HP  | 5.2                | 3.00 HP                     | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-11A0-5    | NA                  | NA       | 11                 | 7.50 HP  | 7.6                | 5.00 HP                     | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-014A-5    | NA                  | NA       | 14                 | 10.00 HP | 11                 | 7.50 HP                     | R3                          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         | ACS880-xx-021A-5                                     | NA                                                    | NA                  | 21                  | 15.00 HP | 14                 | 10.00 HP | R3                 | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02        | 47                          | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                       |                        |                                              |              |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | -31,<br>-OEMUx<br>where OEM =<br>any OEM code         | Axx580-31-017A-2    | NA                  | NA       | 16.7               | 5.00 HP  | 10.6               | 3.00 HP                     | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
| Axx580-31-024A-2        |                                                      |                                                       | NA                  | NA                  | 24.2     | 7.5 HP             | 16.7     | 5.00 HP            | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| Axx580-31-07A6-4        |                                                      |                                                       | NA                  | NA                  | 7.6      | 5.00 HP            | 5.2      | 3.00 HP            | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| 480                     |                                                      |                                                       | ACH580-31-07A6-4    | NA                  | NA       | 7.6                | 5.00 HP  | 5.2                | 3.00 HP                     | R3                          | Type 1                      | 19.49 x 8.07 x 14.02               | 47                     |                                    |                        | UUT-22 <sup>6</sup> ,<br>UUT-25 <sup>6</sup> |              |
|                         |                                                      |                                                       | Axx580-31-012A-4    | NA                  | NA       | 12                 | 7.50 HP  | 7.6                | 5.00 HP                     | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | Axx580-31-014A-4    | NA                  | NA       | 14                 | 10.00 HP | 12                 | 7.50 HP                     | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | Axx580-31-023A-4    | NA                  | NA       | 23                 | 15.00 HP | 14                 | 10.00 HP                    | R3                          | UL Open, 1, 12              | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
| 400                     | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            | -31,<br>-OEMUx<br>where OEM =<br>any OEM code         | ACH580-31-023A-4    | NA                  | NA       | 23                 | 15.00 HP | 14                 | 10.00 HP                    | R3                          | UL 1                        | 20.0 x 8.0 x 14.0                  | 44                     | -                                  | -                      | UUT-03,<br>UUT-38A,B <sup>6</sup>            |              |
|                         |                                                      |                                                       | ACx580-31-09A5-4    | 9.4                 | 4.00 kW  | 8.9                | 4.00 kW  | NA                 | NA                          | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
| ACx580-31-12A7-4        |                                                      |                                                       | 12.6                | 5.50 kW             | 12       | 5.50 kW            | NA       | NA                 | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| ACx580-31-018A-4        |                                                      |                                                       | 17                  | 7.50 kW             | 16.2     | 7.50 kW            | NA       | NA                 | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| ACx580-31-026A-4        |                                                      |                                                       | 25                  | 11.00 kW            | 23.8     | 11.00 kW           | NA       | NA                 | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02        | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |                                              |              |
| 480                     |                                                      |                                                       | ACx580-31-09A5-4    | NA                  | NA       | 7.6                | 5.00 HP  | 5.2                | 3.00 HP                     | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | ACx580-31-12A7-4    | NA                  | NA       | 12                 | 7.50 HP  | 7.6                | 5.00 HP                     | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         | ACx580-31-018A-4                                     | NA                                                    | NA                  | 14                  | 10.00 HP | 12                 | 7.50 HP  | R3                 | IP 20,21,55                 | 19.49 x 8.07 x 14.02        | 47                          | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                       |                        |                                              |              |
| 380-415                 | ACS880<br>See Note 2 below                           | -11,<br>-31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACx580-31-026A-4    | NA                  | NA       | 23                 | 15.00 HP | 14                 | 10.00 HP                    | R3                          | IP 20,21,55                 | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-032A-3    | 32                  | 15.00 kW | 30                 | 15.00 kW | 25                 | 11.00 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-038A-3    | 38                  | 18.50 kW | 36                 | 18.50 kW | 32                 | 15.00 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-045A-3    | 45                  | 22.00 kW | 43                 | 22.00 kW | 38                 | 18.50 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-061A-3    | 61                  | 30.00 kW | 58                 | 30.00 kW | 45                 | 22.00 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-072A-3    | 72                  | 37.00 kW | 68                 | 37.00 kW | 61                 | 30.00 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-087A-3    | 87                  | 45.00 kW | 83                 | 45.00 kW | 72                 | 37.00 kW                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-027A-5    | NA                  | NA       | 27                 | 20.00 HP | 21                 | 15.00 HP                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-034A-5    | NA                  | NA       | 34                 | 25.00 HP | 27                 | 20.00 HP                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | ACS880-xx-040A-5    | NA                  | NA       | 40                 | 30.00 HP | 34                 | 25.00 HP                    | R6                          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                                 |              |
|                         |                                                      |                                                       | 380-500             | ACS880-xx-052A-5    | NA       | NA                 | 52       | 40.00 HP           | 40                          | 30.00 HP                    | R6                          | UL Open, 1, 12; IP 20,21,55        | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                                        | Interpolated |
|                         |                                                      |                                                       |                     | ACS880-xx-065A-5    | NA       | NA                 | 65       | 50.00 HP           | 52                          | 40.00 HP                    | R6                          | UL Open, 1, 12; IP 20,21,55        | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                                        | Interpolated |
| ACS880-xx-077A-5        | NA                                                   | NA                                                    |                     | 77                  | 60.00 HP | 65                 | 50.00 HP | R6                 | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44        | 134.5                       | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated                       |                        |                                              |              |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-xx-xxxx-5 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-xx-xxxx-3 is only available as an IEC rating.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. When an Optional Subcomponent is present, its Type Code is appended to the model number

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. Listed drive model was a subcomponent within the UUT

7. Certified 580-31 & 880-11, -31 Drives can also be certified subcomponents within Panels

Table 5 - Certified Products - Drives - 580-31 & 880-11, -31 - Wall Mount Units (Cont.)

| System Voltage<br>[ V ] | Model <sup>5,7</sup>                                 | Construction                                  | ABB<br>Model Number | Normal Duty Ratings |           | Light Duty Ratings |          | Heavy Duty Ratings |                             | Frame Size                  | Available Enclosure Types   | Type 1                             |                        | Type 12                            |                                                                       | UUT          |
|-------------------------|------------------------------------------------------|-----------------------------------------------|---------------------|---------------------|-----------|--------------------|----------|--------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------------|------------------------|------------------------------------|-----------------------------------------------------------------------|--------------|
|                         |                                                      |                                               |                     | Current [ A ]       | kW / HP   | Current [ A ]      | kW / HP  | Current [ A ]      | kW / HP                     |                             |                             | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ]                                                |              |
| 200-240                 | For Axx580:<br>xx = CS,<br>CH, CQ, or<br>YK<br>(NEC) | -31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACx580-31-031A-2    | NA                  | NA        | 30.8               | 10.00 HP | 24.2               | 7.5                         | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-046A-2    | NA                  | NA        | 46.2               | 15.00 HP | 30.8               | 10                          | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-059A-2    | NA                  | NA        | 59.4               | 20.00 HP | 46.2               | 15                          | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-075A-2    | NA                  | NA        | 74.8               | 25.00 HP | 59.4               | 20                          | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
| ACx580-31-088A-2        |                                                      |                                               | NA                  | NA                  | 88        | 30.00 HP           | 74.8     | 25                 | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| Axx580-31-027A-4        |                                                      |                                               | NA                  | NA                  | 27        | 20.00 HP           | 23       | 15.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| Axx580-31-034A-4        |                                                      |                                               | NA                  | NA                  | 34        | 25.00 HP           | 27       | 20.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| Axx580-31-044A-4        |                                                      |                                               | NA                  | NA                  | 44        | 30.00 HP           | 34       | 25.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| Axx580-31-052A-4        |                                                      |                                               | NA                  | NA                  | 52        | 40.00 HP           | 44       | 30.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| Axx580-31-065A-4        |                                                      |                                               | NA                  | NA                  | 65        | 50.00 HP           | 52       | 40.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| 480                     | Axx580-31-077A-4                                     |                                               | NA                  | NA                  | 77        | 60.00 HP           | 65       | 50.00 HP           | R6                          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
|                         | ACH580-31-077A-4                                     |                                               | NA                  | NA                  | 77        | 60.00 HP           | 65       | 50.00 HP           | R6                          | Type 1                      | 30.35 x 9.92 x 15.44        | 134.5                              | -                      | -                                  | UUT-23 <sup>8</sup> , UUT-26 <sup>8</sup> ,<br>UUT-39A,B <sup>8</sup> |              |
| 400                     | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            |                                               | ACx580-31-033A-4    | 32                  | 15.00 kW  | 30.4               | 15.00 kW | NA                 | NA                          | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-039A-4    | 38                  | 18.50 kW  | 36.1               | 18.50 kW | NA                 | NA                          | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-046A-4    | 45                  | 22.00 kW  | 42.8               | 22.00 kW | NA                 | NA                          | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
|                         |                                                      |                                               | ACx580-31-062A-4    | 62                  | 30.00 kW  | 58.9               | 30.00 kW | NA                 | NA                          | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                                                                 | Interpolated |
| ACx580-31-073A-4        |                                                      |                                               | 73                  | 37.00 kW            | 69.4      | 37.00 kW           | NA       | NA                 | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| ACx580-31-088A-4        |                                                      |                                               | 88                  | 45.00 kW            | 83.6      | 45.00 kW           | NA       | NA                 | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| ACx580-31-033A-4        |                                                      |                                               | NA                  | NA                  | 27        | 20.00 HP           | 23       | 15.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| ACx580-31-039A-4        |                                                      |                                               | NA                  | NA                  | 34        | 25.00 HP           | 27       | 20.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| ACx580-31-046A-4        |                                                      |                                               | NA                  | NA                  | 44        | 30.00 HP           | 34       | 25.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| ACx580-31-062A-4        |                                                      |                                               | NA                  | NA                  | 52        | 40.00 HP           | 44       | 30.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
| 480                     | ACx580-31-073A-4                                     |                                               | NA                  | NA                  | 65        | 50.00 HP           | 52       | 40.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
|                         | ACx580-31-088A-4                                     |                                               | NA                  | NA                  | 77        | 60.00 HP           | 65       | 50.00 HP           | R6                          | IP 20,21,55                 | 30.35 x 9.92 x 15.44        | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated                                                          |              |
|                         | Axx580-31-96A-4                                      |                                               | NA                  | NA                  | 96        | 75.00 HP           | NA       | NA                 | R8                          | UL Open, 1, 12              | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
|                         | Axx580-31-124A-4                                     | NA                                            | NA                  | 124                 | 100.00 HP | NA                 | NA       | R8                 | UL Open, 1, 12              | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | Axx580-31-156A-4                                     | NA                                            | NA                  | 156                 | 125.00 HP | NA                 | NA       | R8                 | UL Open, 1, 12              | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | Axx580-31-180A-4                                     | NA                                            | NA                  | 180                 | 150.00 HP | NA                 | NA       | R8                 | UL Open, 1, 12              | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | ACH580-31-180A-4                                     | NA                                            | NA                  | 180                 | 150.00 HP | NA                 | NA       | R8                 | Type 1                      | 38.01 x 11.81 x 16.94       | 224.9                       | -                                  | -                      | UUT-24 <sup>8</sup>                |                                                                       |              |
|                         | ACx580-31-106A-4                                     | NA                                            | NA                  | 96                  | 75.00 HP  | NA                 | NA       | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | ACx580-31-145A-4                                     | NA                                            | NA                  | 124                 | 100.00 HP | NA                 | NA       | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | ACx580-31-169A-4                                     | NA                                            | NA                  | 156                 | 125.00 HP | NA                 | NA       | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
| 400                     | For ACx580:<br>x = S, H, or<br>Q<br>(IEC)            | ACx580-31-206A-4                              | NA                  | NA                  | 180       | 150.00 HP          | NA       | NA                 | R8                          | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
|                         |                                                      | ACx580-31-106A-4                              | 106                 | 55.00 kW            | 100       | 55.00 kW           | NA       | NA                 | R8                          | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
|                         |                                                      | ACx580-31-145A-4                              | 145                 | 75.00 kW            | 138       | 75.00 kW           | NA       | NA                 | R8                          | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
|                         |                                                      | ACx580-31-169A-4                              | 169                 | 90.00 kW            | 161       | 90.00 kW           | NA       | NA                 | R8                          | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
| ACx580-31-206A-4        |                                                      | 206                                           | 110.00 kW           | 196                 | 110.00 kW | NA                 | NA       | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
| ACx580-31-114A-2        |                                                      | NA                                            | NA                  | 114                 | 40.00 HP  | 88                 | 30.00 HP | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
| ACx580-31-143A-2        |                                                      | NA                                            | NA                  | 143                 | 50.00 HP  | 114                | 40.00 HP | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
| ACx580-31-169A-2        |                                                      | NA                                            | NA                  | 169                 | 60.00 HP  | 143                | 50.00 HP | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
| 200-240                 | ACx580-31-211A-2                                     | NA                                            | NA                  | 211                 | 75.00 HP  | 169                | 60.00 HP | R8                 | IP 20,21,55                 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | 380-415                                              | ACS880<br>See Note 2<br>below                 | ACS880-xx-105A-3    | 105                 | 55.00 kW  | 100                | 55.00 kW | 87                 | 45.00 kW                    | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94              | 224.9                  | 44.39 x 13.80 x 19.53              | 238.1                                                                 | Interpolated |
|                         |                                                      |                                               | ACS880-xx-145A-3    | 145                 | 75.00 kW  | 138                | 75.00 kW | 105                | 55.00 kW                    | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94              | 224.9                  | 44.39 x 13.80 x 19.53              | 238.1                                                                 | Interpolated |
|                         |                                                      |                                               | ACS880-xx-169A-3    | 169                 | 90.00 kW  | 161                | 90.00 kW | 145                | 75.00 kW                    | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94              | 224.9                  | 44.39 x 13.80 x 19.53              | 238.1                                                                 | Interpolated |
| ACS880-xx-206A-3        |                                                      |                                               | 206                 | 110.00 kW           | 196       | 110.00 kW          | 169      | 90.00 kW           | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
| ACS880-xx-101A-5        |                                                      |                                               | NA                  | NA                  | 96        | 75.00 HP           | 77       | 60.00 HP           | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
| ACS880-xx-124A-5        |                                                      |                                               | NA                  | NA                  | 124       | 100.00 HP          | 96       | 75.00 HP           | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
| ACS880-xx-156A-5        |                                                      |                                               | NA                  | NA                  | 156       | 125.00 HP          | 124      | #####              | R8                          | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94       | 224.9                              | 44.39 x 13.80 x 19.53  | 238.1                              | Interpolated                                                          |              |
| 380-500                 | ACS880-xx-180A-5                                     | NA                                            | NA                  | 180                 | 150.00 HP | 156                | #####    | R8                 | UL Open, 1, 12; IP 20,21,55 | 38.01 x 11.81 x 16.94       | 224.9                       | 44.39 x 13.80 x 19.53              | 238.1                  | Interpolated                       |                                                                       |              |
|                         | ACS880-11-180A-5                                     | NA                                            | NA                  | 180                 | 150.00 HP | 156                | #####    | R8                 | Type 12                     | -                           | -                           | 38.0 <sup>(6)</sup> x 12.0 x 20.0  | 268                    | UUT-04                             |                                                                       |              |

Notes:

1. ABB is the manufacturer for all units.

2. For ACS880-xx-xxxx-5 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-xx-xxxx-3 is only available as an IEC rating.

3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.

4. When an Optional Subcomponent is present, its Type Code is appended to the model number

5. AYK580-01 units are identical to ACx580-01 units other than software and branding

6. UUT height measurement does not include drip hood

7. Certified 580-31 & 880-11, -31 Drives can also be certified subcomponents within Panels

8. Listed drive model was a subcomponent within the UUT

Table 6 - Certified Products - Drives - 580-31 & 880-11, -31 - Wall Mount Around Perimeter Using Flange Kit

| System Voltage<br>[ V ] | Model <sup>5,8</sup>                              | Construction                                          | ABB<br>Model Number                           | Normal Duty Ratings |          | Light Duty Ratings |          | Heavy Duty       |             | Frame<br>Size               | Available<br>Enclosure<br>Types | Type 1                             |                        | Type 12                            |                        | UUT          |              |
|-------------------------|---------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|---------------------|----------|--------------------|----------|------------------|-------------|-----------------------------|---------------------------------|------------------------------------|------------------------|------------------------------------|------------------------|--------------|--------------|
|                         |                                                   |                                                       |                                               | Current<br>[ A ]    | kW / HP  | Current<br>[ A ]   | kW / HP  | Current<br>[ A ] | kW / HP     |                             |                                 | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] | Max Dimensions<br>H x W x D [ in ] | Max Drv. Wt.<br>[ lb ] |              |              |
| 380-415                 | ACS880<br>See Note 2<br>below                     | -11,<br>-31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACS880-xx-09A4-3                              | 10                  | 4.00 kW  | 9.5                | 4.00 kW  | 8                | 3.00 kW     | R3                          | UL Open, 1, 12; IP 20,21,55     | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | ACS880-xx-12A6-3                              | 12.9                | 5.50 kW  | 12                 | 5.50 kW  | 10               | 4.00 kW     | R3                          | UL Open, 1, 12; IP 20,21,55     | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
| ACS880-xx-017A-3        |                                                   |                                                       | 17                                            | 7.50 kW             | 16       | 7.50 kW            | 12.9     | 5.40 kW          | R3          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| ACS880-xx-025A-3        |                                                   |                                                       | 25                                            | 11.00 kW            | 24       | 11.00 kW           | 17       | 7.50 kW          | R3          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| ACS880-xx-07A6-5        |                                                   |                                                       | NA                                            | NA                  | 7.6      | 5.00 HP            | 5.2      | 3.00 HP          | R3          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| ACS880-xx-11A0-5        |                                                   |                                                       | NA                                            | NA                  | 11       | 7.50 HP            | 7.6      | 5.00 HP          | R3          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| ACS880-xx-014A-5        |                                                   |                                                       | NA                                            | NA                  | 14       | 10.00 HP           | 11       | 7.50 HP          | R3          | UL Open, 1, 12; IP 20,21,55 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| 380-500                 |                                                   |                                                       | ACS880-xx-021A-5                              | NA                  | NA       | 21                 | 15.00 HP | 14               | 10.00 HP    | R3                          | UL Open, 1, 12; IP 20,21,55     | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) | -31,<br>-OEMUx<br>where OEM =<br>any OEM code         | Axx580-31-017A-2                              | NA                  | NA       | 16.7               | 5.00 HP  | 10.6             | 3.00 HP     | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
| 480                     |                                                   |                                                       | Axx580-31-024A-2                              | NA                  | NA       | 24.2               | 7.5 HP   | 16.7             | 5.00 HP     | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | Axx580-31-07A6-4                              | NA                  | NA       | 7.6                | 5.00 HP  | 5.2              | 3.00 HP     | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | Axx580-31-012A-4                              | NA                  | NA       | 12                 | 7.50 HP  | 7.6              | 5.00 HP     | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | Axx580-31-014A-4                              | NA                  | NA       | 14                 | 10.00 HP | 12               | 7.50 HP     | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | Axx580-31-023A-4                              | NA                  | NA       | 23                 | 15.00 HP | 14               | 10.00 HP    | R3                          | UL Open, 1, 12                  | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
|                         |                                                   |                                                       | ACx580-31-09A5-4                              | 9.4                 | 4.00 kW  | 8.9                | 4.00 kW  | NA               | NA          | R3                          | IP 20,21,55                     | 19.49 x 8.07 x 14.02               | 47                     | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated |              |
| 400                     | For ACx580:<br>x = S, H, or Q<br>(IEC)            | ACx580-31-12A7-4                                      | 12.6                                          | 5.50 kW             | 12       | 5.50 kW            | NA       | NA               | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
|                         |                                                   | ACx580-31-018A-4                                      | 17                                            | 7.50 kW             | 16.2     | 7.50 kW            | NA       | NA               | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| ACx580-31-026A-4        |                                                   | 25                                                    | 11.00 kW                                      | 23.8                | 11.00 kW | NA                 | NA       | R3               | IP 20,21,55 | 19.49 x 8.07 x 14.02        | 47                              | 19.49 x 8.07 x 14.17               | 51.4                   | Interpolated                       |                        |              |              |
| 480                     |                                                   | ACx580-31-09A5-4                                      | NA                                            | NA                  | 7.6      | 5.00 HP            | 5.2      | 3.00 HP          | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
|                         |                                                   | ACx580-31-12A7-4                                      | NA                                            | NA                  | 12       | 7.50 HP            | 7.6      | 5.00 HP          | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
|                         |                                                   | ACx580-31-018A-4                                      | NA                                            | NA                  | 14       | 10.00 HP           | 12       | 7.50 HP          | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
|                         |                                                   | ACx580-31-026A-4                                      | NA                                            | NA                  | 23       | 15.00 HP           | 14       | 10.00 HP         | R3          | IP 20,21,55                 | 19.49 x 8.07 x 14.02            | 47                                 | 19.49 x 8.07 x 14.17   | 51.4                               | Interpolated           |              |              |
| 380-415                 | ACS880<br>See Note 2<br>below                     | -11,<br>-31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACS880-xx-032A-3                              | 32                  | 15.00 kW | 30                 | 15.00 kW | 25               | 11.00 kW    | R6                          | UL Open, 1, 12; IP 20,21,55     | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated |              |
|                         |                                                   |                                                       | ACS880-xx-038A-3                              | 38                  | 18.50 kW | 36                 | 18.50 kW | 32               | 15.00 kW    | R6                          | UL Open, 1, 12; IP 20,21,55     | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated |              |
| ACS880-xx-045A-3        |                                                   |                                                       | 45                                            | 22.00 kW            | 43       | 22.00 kW           | 38       | 18.50 kW         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| ACS880-xx-061A-3        |                                                   |                                                       | 61                                            | 30.00 kW            | 58       | 30.00 kW           | 45       | 22.00 kW         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| ACS880-xx-072A-3        |                                                   |                                                       | 72                                            | 37.00 kW            | 68       | 37.00 kW           | 61       | 30.00 kW         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| ACS880-xx-087A-3        |                                                   |                                                       | 87                                            | 45.00 kW            | 83       | 45.00 kW           | 72       | 37.00 kW         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| ACS880-xx-027A-5        |                                                   |                                                       | NA                                            | NA                  | 27       | 20.00 HP           | 21       | 15.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| 380-500                 | ACS880-xx-034A-5                                  |                                                       | NA                                            | NA                  | 34       | 25.00 HP           | 27       | 20.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
|                         | ACS880-xx-040A-5                                  |                                                       | NA                                            | NA                  | 40       | 30.00 HP           | 34       | 25.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
|                         | ACS880-xx-052A-5                                  |                                                       | NA                                            | NA                  | 52       | 40.00 HP           | 40       | 30.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
|                         | ACS880-xx-065A-5                                  |                                                       | NA                                            | NA                  | 65       | 50.00 HP           | 52       | 40.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
|                         | ACS880-xx-077A-5                                  |                                                       | NA                                            | NA                  | 77       | 60.00 HP           | 65       | 50.00 HP         | R6          | UL Open, 1, 12; IP 20,21,55 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| 200-240                 | For Axx580:<br>xx = CS, CH,<br>CQ, or YK<br>(NEC) |                                                       | -31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACx580-31-031A-2    | NA       | NA                 | 30.8     | 10.00 HP         | 24.2        | 7.5                         | R6                              | UL Open, 1, 12                     | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9        | Interpolated |
|                         |                                                   |                                                       |                                               | ACx580-31-046A-2    | NA       | NA                 | 46.2     | 15.00 HP         | 30.8        | 10                          | R6                              | UL Open, 1, 12                     | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9        | Interpolated |
| ACx580-31-059A-2        |                                                   |                                                       |                                               | NA                  | NA       | 59.4               | 20.00 HP | 46.2             | 15          | R6                          | UL Open, 1, 12                  | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated |              |
| ACx580-31-075A-2        |                                                   | NA                                                    |                                               | NA                  | 74.8     | 25.00 HP           | 59.4     | 20               | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| ACx580-31-088A-2        |                                                   | NA                                                    |                                               | NA                  | 88       | 30.00 HP           | 74.8     | 25               | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| Axx580-31-027A-4        |                                                   | NA                                                    |                                               | NA                  | 27       | 20.00 HP           | 23       | 15.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| Axx580-31-034A-4        |                                                   | NA                                                    |                                               | NA                  | 34       | 25.00 HP           | 27       | 20.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| Axx580-31-044A-4        |                                                   | NA                                                    |                                               | NA                  | 44       | 30.00 HP           | 34       | 25.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| Axx580-31-052A-4        |                                                   | NA                                                    |                                               | NA                  | 52       | 40.00 HP           | 44       | 30.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| Axx580-31-065A-4        |                                                   | NA                                                    |                                               | NA                  | 65       | 50.00 HP           | 52       | 40.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| 480                     | Axx580-31-077A-4                                  | NA                                                    |                                               | NA                  | 77       | 60.00 HP           | 65       | 50.00 HP         | R6          | UL Open, 1, 12              | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9                              | Interpolated           |              |              |
| 400                     | For ACx580:<br>x = S, H, or Q<br>(IEC)            | -31,<br>-OEMUx<br>where OEM =<br>any OEM code         |                                               | ACx580-31-033A-4    | 32       | 15.00 kW           | 30.4     | 15.00 kW         | NA          | NA                          | R6                              | IP 20,21,55                        | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9        | Interpolated |
|                         |                                                   |                                                       |                                               | ACx580-31-039A-4    | 38       | 18.50 kW           | 36.1     | 18.50 kW         | NA          | NA                          | R6                              | IP 20,21,55                        | 30.35 x 9.92 x 15.44   | 134.5                              | 36.56 x 11.46 x 17.64  | 138.9        | Interpolated |
| ACx580-31-046A-4        |                                                   |                                                       |                                               | 45                  | 22.00 kW | 42.8               | 22.00 kW | NA               | NA          | R6                          | IP 20,21,55                     | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated |              |
| ACx580-31-062A-4        |                                                   |                                                       |                                               | 62                  | 30.00 kW | 58.9               | 30.00 kW | NA               | NA          | R6                          | IP 20,21,55                     | 30.35 x 9.92 x 15.44               | 134.5                  | 36.56 x 11.46 x 17.64              | 138.9                  | Interpolated |              |
| ACx580-31-073A-4        |                                                   |                                                       | 73                                            | 37.00 kW            | 69.4     | 37.00 kW           | NA       | NA               | R6          | IP 20,21,55                 | 30.35 x 9.92 x 15.44            | 134.5                              | 36.56                  |                                    |                        |              |              |

Notes: 1. ABB is the manufacturer for all units.  
2. For ACS880-xx-xxxx-5 both NEC and IEC ratings apply. Table shows only NEC rating. ACS880-xx-xxxx-3 is only available as an IEC rating.  
3. All units were tested in rigid and isolated mounting configurations to SDS=2.0 at z/h=1.0, and SDS=2.5 at z/h=0.0.  
4. When an Optional Subcomponent is present, its Type Code is appended to the model number  
5. 1175-01 units are identical to ACx580-01 units other than software and branding

6. UUT height measurement does not include drip hood  
7. Flange kits tested on 580-01 & 880-01 models similar in construction, material and mounting to 580-31 & 880-11, -31 models; weight limited by UUT-13  
8. Certified 580-31 & 880-11, -31 Drives can also be certified subcomponents within Panels

Table 7 - Certified Products - Drives - Axx580-31,-34 - Combination Rigid Floor and Wall Mounted

| System Voltage<br>[ V ] | Model <sup>3</sup>                                      | Construction                                  | ABB<br>Model Number     | Normal Duty      |                  | Light Duty       |            | Heavy Duty       |            | Frame<br>Size  | Available<br>Enclosure<br>Types | Max Dimensions<br>H x W x D [ in ] | Max Drive<br>Weight<br>[ lb ] | UUT                                          |
|-------------------------|---------------------------------------------------------|-----------------------------------------------|-------------------------|------------------|------------------|------------------|------------|------------------|------------|----------------|---------------------------------|------------------------------------|-------------------------------|----------------------------------------------|
|                         |                                                         |                                               |                         | Current<br>[ A ] | kW /<br>HP       | Current<br>[ A ] | kW /<br>HP | Current<br>[ A ] | kW /<br>HP |                |                                 |                                    |                               |                                              |
| 200-240                 | For<br>Axx580:<br>xx = CS,<br>CH, CQ,<br>or YK<br>(NEC) | -31,<br>-OEMUx<br>where OEM =<br>any OEM code | ACx580-31-031A-2        | NA               | NA               | 30.8             | 10 HP      | 24.2             | 7.5        | R6             | UL Open, 1, 12                  | 36.56 x 11.46 x 17.64              | 138.9                         | Extrapolated                                 |
|                         |                                                         |                                               | ACx580-31-046A-2        | NA               | NA               | 46.2             | 15 HP      | 30.8             | 10         | R6             | UL Open, 1, 12                  | 36.56 x 11.46 x 17.64              | 138.9                         | Extrapolated                                 |
|                         |                                                         |                                               | ACx580-31-059A-2        | NA               | NA               | 59.4             | 20 HP      | 46.2             | 15         | R6             | UL Open, 1, 12                  | 36.56 x 11.46 x 17.64              | 138.9                         | Extrapolated                                 |
|                         |                                                         |                                               | ACx580-31-075A-2        | NA               | NA               | 74.8             | 25 HP      | 59.4             | 20         | R6             | UL Open, 1, 12                  | 36.56 x 11.46 x 17.64              | 138.9                         | Extrapolated                                 |
|                         |                                                         |                                               | ACx580-31-088A-2        | NA               | NA               | 88               | 30 HP      | 74.8             | 25         | R6             | UL Open, 1, 12                  | 36.56 x 11.46 x 17.64              | 138.9                         | Extrapolated                                 |
| Axx580-31-027A-4        |                                                         |                                               | NA                      | NA               | 27               | 20 HP            | 23         | 15 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-034A-4        |                                                         |                                               | NA                      | NA               | 34               | 25 HP            | 27         | 20 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-044A-4        |                                                         |                                               | NA                      | NA               | 44               | 30 HP            | 34         | 25 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-052A-4        |                                                         |                                               | NA                      | NA               | 52               | 40 HP            | 44         | 30 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-065A-4        |                                                         |                                               | NA                      | NA               | 65               | 50 HP            | 52         | 40 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-077A-4        |                                                         |                                               | NA                      | NA               | 77               | 60 HP            | 65         | 50 HP            | R6         | UL Open, 1, 12 | 36.56 x 11.46 x 17.64           | 138.9                              | Extrapolated                  |                                              |
| Axx580-31-180A-4        |                                                         |                                               | NA                      | NA               | 180              | 150 HP           | NA         | NA               | R8         | UL Open, 1, 12 | 38.01 x 11.81 x 16.94           | 224.9                              | Extrapolated                  |                                              |
| ACH580-31-180A-4        |                                                         |                                               | NA                      | NA               | 180              | 150 HP           | NA         | NA               | R8         | Type 1         | 38.01 x 11.81 x 16.94           | 224.9                              | UUT-27 <sup>5</sup>           |                                              |
| 380-480                 |                                                         |                                               | ACx580<br>x = S,or<br>H | 34               | ACx580-34-240A-4 | 240A             | 200HP      | NA               | NA         | NA             | NA                              | R11                                | IP20, UL Open                 | 68.54 x 28.07 x 20.16                        |
|                         | ACx580-34-302A-4                                        | 302A                                          |                         |                  | 250HP            | NA               | NA         | NA               | NA         | R11            | IP20, UL Open                   | 68.54 x 28.07 x 20.16              | 805                           | Extrapolated                                 |
|                         | ACx580-34-361A-4                                        | 361A                                          |                         |                  | 300HP            | NA               | NA         | NA               | NA         | R11            | IP20, UL Open                   | 68.54 x 28.07 x 20.16              | 805                           | Extrapolated                                 |
|                         | ACx580-34-414A-4                                        | 414A                                          |                         |                  | 350HP            | NA               | NA         | NA               | NA         | R11            | IP20, UL Open                   | 68.54 x 28.07 x 20.16              | 805                           | Extrapolated                                 |
|                         | ACx580-34-477A-4                                        | 477A                                          |                         |                  | 400HP            | NA               | NA         | NA               | NA         | R11            | IP20, UL Open                   | 68.54 x 28.07 x 20.16              | 805                           | Extrapolated                                 |
|                         | ACH580-34-477A-4                                        | 477A                                          |                         |                  | 400HP            | NA               | NA         | NA               | NA         | R11            | IP20, UL Open                   | 68.54 x 28.07 x 20.16              | 805                           | UUT-28 <sup>5</sup> ,<br>UUT-29 <sup>5</sup> |

Notes:

1. ABB is the manufacturer for all units.

2. All units were tested in rigid and isolated mounting configurations to S<sub>DS</sub>=2.0 at z/h=1.0, and S<sub>DS</sub>=2.5 at z/h=0.0 (or greater).

3. Certified Axx580-31, -34 Drives can also be used as a certified subcomponent within certified Panels

4. AYK580-01 units are identical to ACx580-01 units other than software and branding

5. Listed drive model was a subcomponent within the UUT



Table 8 - Certified Products - Drives - ACx180-04y - Wall Mounted

| System Voltage<br>[ V ] | Model <sup>3</sup>     | Construction       | ABB Model Number <sup>1,2</sup> | Normal Duty      |         | Light Duty       |         | Heavy Duty       |         | Frame Size | Available Enclosure Types | Max Dimensions<br>H x W x D [ in ] | Max Drive Weight<br>[ lb ] | UUT          |
|-------------------------|------------------------|--------------------|---------------------------------|------------------|---------|------------------|---------|------------------|---------|------------|---------------------------|------------------------------------|----------------------------|--------------|
|                         |                        |                    |                                 | Current<br>[ A ] | kW / HP | Current<br>[ A ] | kW / HP | Current<br>[ A ] | kW / HP |            |                           |                                    |                            |              |
| 115-120                 | ACx180<br>x=S, or<br>H | 04y<br>y = S, or N | ACx180-04y-02A4-0               | 2.4              | 0.5 HP  | 2.4              | 0.5 HP  | 1.8              | 0.33 HP | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-03A7-0               | 3.7              | 0.75 HP | 3.5              | 0.75 HP | 2.4              | 0.5 HP  | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-04A8-0               | 4.8              | 1 HP    | 4.6              | 1 HP    | 3.5              | 0.75 HP | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-06A9-0               | 6.9              | 1.5 HP  | 6.6              | 1.5 HP  | 4.6              | 1 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
| 200-240                 | ACx180<br>x=S, or<br>H | 04y<br>y = S, or N | ACx180-04y-02A4-1               | 2.4              | 0.5 HP  | 2.4              | 0.5 HP  | 1.8              | 0.33 HP | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Extrapolated |
|                         |                        |                    | ACx180-04y-03A7-1               | 3.7              | 0.75 HP | 3.5              | 0.75 HP | 2.4              | 0.5 HP  | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Extrapolated |
|                         |                        |                    | ACx180-04y-04A8-1               | 4.8              | 1 HP    | 4.6              | 1 HP    | 3.7              | 0.75 HP | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Extrapolated |
|                         |                        |                    | ACx180-04y-06A9-1               | 6.9              | 1.5 HP  | 6.6              | 1.5 HP  | 4.5              | 1 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-07A8-1               | 7.8              | 2 HP    | 7.5              | 2 HP    | 6.6              | 1.5 HP  | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-09A8-1               | 9.8              | 3 HP    | 9.8              | 3 HP    | 7.5              | 2 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Extrapolated |
|                         |                        |                    | ACx180-04y-12A2-1               | 12.2             | 3 HP    | 11.6             | 3 HP    | 9.8              | 3 HP    | R2         | IP20, UL Open             | 9.06 x 4.72 x 5.63                 | 4.5                        | Extrapolated |
|                         |                        |                    | ACx180-04y-02A4-2               | 2.4              | 0.5 HP  | 2.3              | 0.5 HP  | 1.8              | 0.33 HP | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Extrapolated |
|                         |                        |                    | ACx180-04y-03A7-2               | 3.7              | 0.75 HP | 3.5              | 0.75 HP | 2.4              | 0.5 HP  | R0         | IP20, UL Open             | 7.5 x 2.8 x 5.8                    | 2                          | Extrapolated |
|                         |                        |                    | ACS180-04S-03A7-2               | 3.7              | 0.75 HP | 3.5              | 0.75 HP | 2.4              | 0.5 HP  | R0         | IP20, UL Open             | 7.5 x 2.8 x 5.8                    | 2                          | UUT-30B      |
|                         |                        |                    | ACx180-04y-04A8-2               | 4.8              | 1 HP    | 4.6              | 1 HP    | 3.7              | 0.75 HP | R0         | IP20, UL Open             | 7.0 x 2.8 x 5.5                    | 2                          | Extrapolated |
|                         |                        |                    | ACS180-04S-04A8-2               | 4.8              | 1 HP    | 4.6              | 1 HP    | 3.7              | 0.75 HP | R0         | IP20, UL Open             | 7.0 x 2.8 x 5.5                    | 2                          | UUT-30A      |
|                         |                        |                    | ACx180-04y-06A9-2               | 6.9              | 1.5 HP  | 6.6              | 1.5 HP  | 4.5              | 1 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                        |                    | ACx180-04y-07A8-2               | 7.8              | 2 HP    | 7.4              | 2 HP    | 6.6              | 1.5 HP  | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                        |                    | ACx180-04y-09A8-2               | 9.8              | 3 HP    | 9.3              | 3 HP    | 7.4              | 2 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                        |                    | ACx180-04y-15A6-2               | 15.6             | 3 HP    | 14.6             | 3 HP    | 10.7             | 3 HP    | R2         | IP20, UL Open             | 9.06 x 4.72 x 5.63                 | 4.5                        | Interpolated |
|                         |                        |                    | ACx180-04y-17A5-2               | 17.5             | 5 HP    | 16.7             | 5 HP    | 12.2             | 3 HP    | R2         | IP20, UL Open             | 9.06 x 4.72 x 5.63                 | 4.5                        | Interpolated |
|                         |                        |                    | ACx180-04y-25A0-2               | 24.2             | 7.5 HP  | 24.2             | 7.5 HP  | 16.7             | 5 HP    | R3         | IP20, UL Open             | 9.5 x 6.69 x 6.85                  | 7.5                        | Interpolated |
|                         |                        |                    | ACx180-04y-033A-2               | 30.8             | 10 HP   | 30.8             | 10 HP   | 24.2             | 7.5 HP  | R3         | IP20, UL Open             | 9.5 x 6.69 x 6.85                  | 7.5                        | Interpolated |
|                         |                        |                    | ACx180-04y-048A-2               | 46.2             | 15 HP   | 46.2             | 15 HP   | 30.8             | 10 HP   | R4         | IP20, UL Open             | 9.45 x 10.24 x 7.03                | 11.9                       | Interpolated |
|                         |                        |                    | ACx180-04y-055A-2               | 50.2             | 15 HP   | 50.2             | 15 HP   | 46.2             | 15 HP   | R4         | IP20, UL Open             | 9.45 x 10.24 x 7.03                | 11.9                       | Interpolated |

Notes:

1. ABB Model Numbers ending in -0 and -1 indicate single-phase; -2 indicates three-phase.

2. 115-120V and 200-240V single-phase drives are identical other than the main board PCBA

3. Certified ACx180-04y Drives can also be used as a certified subcomponent within certified Panels



Table 8 - Certified Products - Drives - ACx180-04y - Wall Mounted, Continued

| System Voltage<br>[ V ] | Model <sup>4</sup>       | Construction       | ABB Model Number  | Normal Duty      |         | Light Duty       |         | Heavy Duty       |         | Frame Size | Available Enclosure Types | Max Dimensions<br>H x W x D [ in ] | Max Drive Weight<br>[ lb ] | UUT          |
|-------------------------|--------------------------|--------------------|-------------------|------------------|---------|------------------|---------|------------------|---------|------------|---------------------------|------------------------------------|----------------------------|--------------|
|                         |                          |                    |                   | Current<br>[ A ] | kW / HP | Current<br>[ A ] | kW / HP | Current<br>[ A ] | kW / HP |            |                           |                                    |                            |              |
| 380-480                 | ACx180<br>x = S, or<br>H | 04y<br>y = S, or N | ACS180-04y-01A8-4 | 1.6              | 0.75 HP | 1.6              | 0.75 HP | 1.1              | 0.5 HP  | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Interpolated |
|                         |                          |                    | ACS180-04y-02A6-4 | 2.1              | 1 HP    | 2.1              | 1 HP    | 1.6              | 0.75 HP | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Interpolated |
|                         |                          |                    | ACS180-04y-03A3-4 | 3                | 1.5 HP  | 3                | 1.5 HP  | 2.1              | 1 HP    | R0         | IP20, UL Open             | 8.23 x 2.76 x 5.63                 | 2.2                        | Interpolated |
|                         |                          |                    | ACx180-04y-04A0-4 | 3.5              | 2 HP    | 3.5              | 2 HP    | 3                | 1.5 HP  | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                          |                    | ACx180-04y-05A6-4 | 4.7              | 3 HP    | 4.7              | 3 HP    | 3.4              | 2 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                          |                    | ACx180-04y-07A2-4 | 6                | 3 HP    | 6                | 3 HP    | 4.8              | 3 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                          |                    | ACx180-04y-09A4-4 | 7.6              | 5 HP    | 7.6              | 5 HP    | 6.3              | 3 HP    | R1         | IP20, UL Open             | 8.66 x 2.76 x 5.63                 | 3                          | Interpolated |
|                         |                          |                    | ACx180-04y-12A6-4 | 11               | 7.5 HP  | 11               | 7.5 HP  | 7.6              | 5 HP    | R2         | IP20, UL Open             | 9.06 x 4.72 x 5.63                 | 4.5                        | Interpolated |
|                         |                          |                    | ACx180-04y-17A0-4 | 14               | 10 HP   | 14               | 10 HP   | 11               | 7.5 HP  | R2         | IP20, UL Open             | 9.06 x 4.72 x 5.63                 | 4.5                        | Interpolated |
|                         |                          |                    | ACx180-04y-25A0-4 | 21               | 15 HP   | 21               | 15 HP   | 14               | 10 HP   | R3         | IP20, UL Open             | 9.5 x 6.69 x 6.85                  | 7.5                        | Interpolated |
|                         |                          |                    | ACx180-04y-033A-4 | 27               | 20 HP   | 27               | 20 HP   | 21               | 15 HP   | R3         | IP20, UL Open             | 9.5 x 6.69 x 6.85                  | 7.5                        | Interpolated |
|                         |                          |                    | ACx180-04y-038A-4 | 34               | 25 HP   | 34               | 25 HP   | 27               | 20 HP   | R4         | IP20, UL Open             | 9.45 x 10.24 x 7.03                | 11.9                       | Interpolated |
|                         |                          |                    | ACx180-04y-045A-4 | 40               | 30 HP   | 40               | 30 HP   | 34               | 25 HP   | R4         | IP20, UL Open             | 9.45 x 10.24 x 7.03                | 11.9                       | Interpolated |
|                         |                          |                    | ACx180-04y-050A-4 | 42               | 30 HP   | 42               | 30 HP   | 40               | 30 HP   | R4         | IP20, UL Open             | 9.3 x 10.3 x 7.0                   | 12.4                       | Interpolated |
|                         |                          |                    | ACH180-04S-050A-4 | 42               | 30 HP   | 42               | 30 HP   | 40               | 30 HP   | R4         | IP20, UL Open             | 9.3 x 10.3 x 7.0                   | 12.4                       | UUT-31A,B    |

- Notes:
1. ABB is the manufacturer for all units.

2. All units tested in rigid and isolated mounting configurations to S<sub>DS</sub>=2.0 at z/h=1.0 & S<sub>DS</sub>=2.5 at z/h=0.0 (or greater).

3. For ACx180-04y-xxx-4(-2) both NEC and IEC ratings apply. Table shows only NEC rating.

4. Certified ACx180-04y Drives can also be used as a certified subcomponent within certified Panels

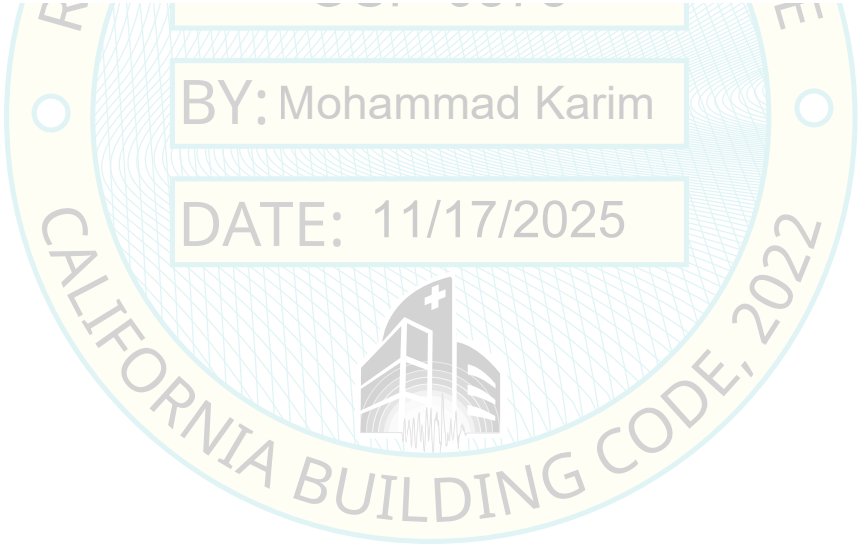


Table 15a - Certified Subcomponents: Fuses (Within Wall Mounted Units)

| ABB Part Number | Description                                  | Rating | Weight<br>[ lb ] | MFR             | UUT                                                |
|-----------------|----------------------------------------------|--------|------------------|-----------------|----------------------------------------------------|
| 3AXD50000952830 | Class T, 600V, 15A                           | 15A    | <0.1             | Cooper Bussmann | Extrapolated                                       |
| 3AXD50000952847 | Class T, 600V, 30A                           | 30A    | < 1              | Little Fuse     | UUT-32A,B UUT-33A,B                                |
| 3AUA0000015604  | 15A, 600V, Class CC, REJ KTK-R-15            | 15A    | < 1              | Cooper Bussmann | UUT-05, UUT-22A,B, UUT-25A,B, UUT-36A,B, UUT-38A,B |
| KLKR20          | CLASS CC FUSE, 600V, 20A FAST ACTING, KLKR20 | 20A    | < 1              | LittleFuse      | UUT-38A,B                                          |
| KLKR25          | CLASS CC FUSE, 600V, 25A FAST ACTING, KLKR25 | 25A    | < 1              | LittleFuse      | UUT-38A,B                                          |
| KLKR30          | CLASS CC FUSE, 600V, 30A FAST ACTING, KLKR30 | 30A    | < 1              | LittleFuse      | UUT-38A,B                                          |
| 3AUA0000015605  | 30A, 600V, Class CC, REJ KTK-R-30            | 30A    | < 1              | Cooper Bussmann | UUT-09                                             |
| 3AXD50000699230 | Class T, 200kA, 600V, 80A                    | 80A    | < 1              | LittelFuse      | UUT-34A,B, UUT-35A,B                               |
| 3AUA0000015607  | 100A, 600V, Class T, REJ JJS-100             | 100A   | < 1              | Cooper Bussmann | UUT-21, UUT-23A,B, UUT-26A,B, UUT-39A,B            |
| 3AUA0000015607  | 100A, 600V, Class T, REJ JJS-100             | 100A   | < 1              | Little Fuse     | UUT-37A,B                                          |
| 3AUA567001A15   | 100A, 600V,LPJ-100SP                         | 100A   | < 1              | Cooper Bussmann | UUT-21                                             |
| 3AUA0000147985  | 40A,600VAC(T),V Fast Acting                  | 40A    | < 1              | Cooper Bussmann | UUT-39A,B                                          |
| 3AUA0000147986  | 50A,600VAC(T),V Fast Acting                  | 50A    | < 1              | Cooper Bussmann | UUT-39A,B                                          |
| 3AUA0000015606  | 60A, 600V, Class T, REJ                      | 60A    | < 1              | Cooper Bussmann | UUT-07, UUT-39A,B                                  |
| 3AUA0000147987  | 80A, 600VAC(T),V Fast Acting                 | 80A    | < 1              | Cooper Bussmann | UUT-39A,B                                          |
| BG56720003-16   | 90A,600V,JJS-90                              | 90A    | < 1              | Cooper Bussmann | UUT-06, UUT-08, UUT-10, UUT-39A,B                  |
| 3AXD50000050512 | JJS-175, 600V                                | 175A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| 3AXD50000050511 | JJS-110, 600V                                | 110A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| 3AUA0000147989  | 150A, 600VAC(T),V Fast Acting                | 150A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| 3AUA0000147990  | 200A, 600VAC(T),V Fast Acting                | 200A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| JJS-50A         | Class T, 200kA, 600V, 50A                    | 50A    | 0.1              | Cooper Bussmann | Extrapolated                                       |
| JJS-100         | Class T, 200kA, 600V, 100A                   | 100A   | 0.1              | Cooper Bussmann | Interpolated                                       |
| JJS-110         | Class T, 200kA, 600V, 110A                   | 110A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| JJS-150         | Class T, 200kA, 600V, 150A                   | 150A   | < 1              | Cooper Bussmann | UUT-16                                             |
| JJS-175         | Class T, 200kA, 600V, 175A                   | 175A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| JJS-200         | Class T, 200kA, 600V, 200A                   | 200A   | 0.2              | Cooper Bussmann | Interpolated                                       |
| JJS-350         | Class T, 200kA, 600V, 350A                   | 350A   | < 1              | Cooper Bussmann | UUT-18                                             |
| JJS-225         | Class T, 200kA, 600V, 225A                   | 225A   | 0.6              | Cooper Bussmann | Interpolated                                       |
| JJS-250         | Class T, 200kA, 600V, 250A                   | 250A   | 0.5              | Cooper Bussmann | Interpolated                                       |
| JJS-300         | Class T, 200kA, 600V, 300A                   | 300A   | < 1              | Cooper Bussmann | UUT-24A,B                                          |
| JJS-500         | Class T, 200kA, 600V, 500A                   | 500A   | 1.0              | Cooper Bussmann | Extrapolated                                       |
| JJS-600         | Class T, 200kA, 600V, 600A                   | 600A   | 1.0              | Cooper Bussmann | Extrapolated                                       |
| 3AUA0000142381  | 225A, 600VAC(T)92X25,V Fast,BLH              | 225A   | 0.5              | Cooper Bussmann | Interpolated                                       |
| 3AXD50000050513 | JJS-250, 600V                                | 250A   | 0.5              | Cooper Bussmann | Interpolated                                       |
| 3AXD50000050514 | JJS-300, 600V                                | 300A   | 0.5              | Cooper Bussmann | Interpolated                                       |
| 3AUA0000145948  | 350A, 600VAC(T),V Fast,BLH                   | 350A   | < 1              | Cooper Bussmann | UUT-11                                             |
| 170M5x08        | Bussmann 170M5x08, 690V, 400A                | 400A   | 0.7              | Cooper Bussmann | Extrapolated                                       |
| 170M5x10        | Bussmann 170M5x10, 690V, 500A                | 500A   | 0.7              | Cooper Bussmann | Extrapolated                                       |
| 170M6x10        | Bussmann 170M6x10, 690V, 630A                | 630A   | 1.5              | Cooper Bussmann | Extrapolated                                       |
| 170M6x11        | Bussmann 170M6x11, 690V, 700A                | 700A   | 2.6              | Cooper Bussmann | Extrapolated                                       |
| 170M6x12        | Bussmann 170M6x12, 690V, 800A                | 800A   | 2.6              | Cooper Bussmann | Extrapolated                                       |

**Note:** JJS Part Numbers are Bussman Part Numbers, and 3AU part numbers are ABB part numbers . Where "x" can be "0" (DIN 43653) or "4" (Flush End), or "6" US Style or "3" French Style Fuse Semiconductor fuses listed in the tables above and throughout the document are base part numbers only.

Table 16a - Certified Subcomponents: Fans (Within Wall Mounted Units)

| ABB Part Number | Description                                                  | Rating  | Weight<br>[ lb ] | MFR                                           | UUT                                                   |
|-----------------|--------------------------------------------------------------|---------|------------------|-----------------------------------------------|-------------------------------------------------------|
| 3AUA0000000148  | Internal Cooling Fan                                         | 24 V    | < 1              | Delta Products Corp. / NMB Technologies Corp. | UUT-09                                                |
| 3AUA0000012736  | Internal, 60mm, 38-40 CFM                                    | 24 V    | < 0.2            |                                               | Interpolated                                          |
| 3AUA0000012849  | 24Vdc                                                        | 24 V    | < 1              |                                               | UUT-10, UUT-11                                        |
| 3AUA0000088115  | Axial, 24V                                                   | 24 V    | < 1              |                                               | UUT-08, UUT-10                                        |
| 3AXD50000026754 | Axial                                                        | 24 V    | < 1              |                                               | UUT-37A,B                                             |
| UF15KC12-BTH    | ENCLOSURE FAN, 6", 293 CFM, 115 VAC                          | 293 CFM | 2.3              | PFANNEN-BERG                                  | UUT-36A,B                                             |
| 11675154053     | FILTERFAN, EXHAUST, 12" DIA, 297 CFM, 115 VAC (PF65000"A")   | 297 CFM | 7.0              |                                               | UUT-16                                                |
| 11677154050     | FILTERFAN, SUPPLY, 12" DIA. 427 CFM, 115 VAC (PF67000 SL)    | 427 CFM | 8.8              |                                               | UUT-18                                                |
| 11677154053     | FILTERFAN, EXHAUST, 12" DIA. 427 CFM, 115 VAC (PF67000 SL A) | 427 CFM | 8.8              |                                               | Extrapolated                                          |
| UF15KC12-BTH    | ENCLOSURE FAN, 6", 293 CFM, 115 VAC                          | 293 CFM | 2.31             | MECHATRONICS                                  | Extrapolated                                          |
|                 |                                                              |         |                  |                                               | UUT-22A,B, UUT-23A,B, UUT-24A,B, UUT-38A,B, UUT-39A,B |

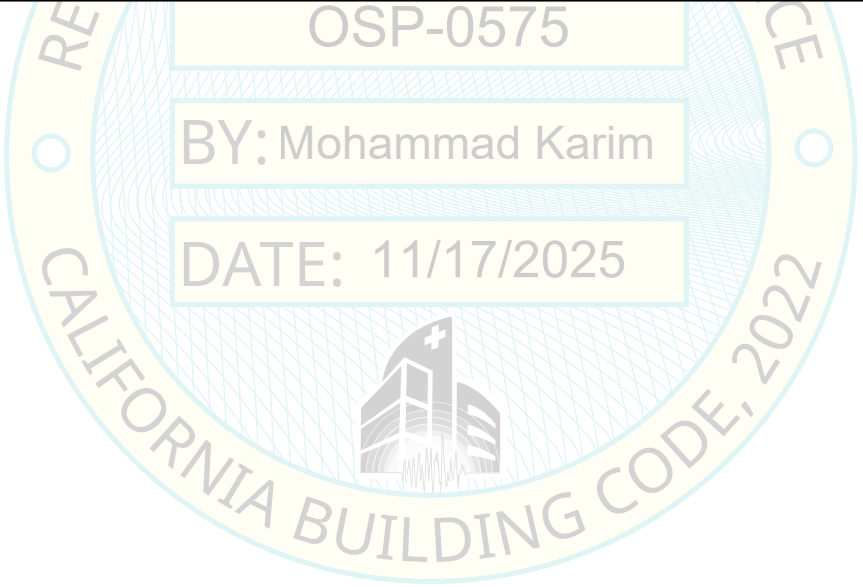


Table 17a - Certified Subcomponents: Contactors (Within Wall Mounted Units)

| ABB Part Number | Description                                                             | Rating              | Weight [ lb ] | MFR | UUT                                                     |
|-----------------|-------------------------------------------------------------------------|---------------------|---------------|-----|---------------------------------------------------------|
| AF09-30-01-13   | CONTACTOR, 3 POLE, 25A, 2/5/7.5HP, 100-250VAC/DC COIL, 1NC              | 25A                 | 0.6           | ABB | Extrapolated                                            |
| 3AXD50000017471 | AX09-30-10-84                                                           | 22A, 4kW at 400V    | < 1           |     | UUT-05, UUT-22A,B, UUT-36A,B, UUT-38A,B                 |
| 3AXD50000017472 | AX12-30-10-84                                                           | 25A, 5.5kW at 400V  | < 1           |     | UUT-09, UUT-22A,B, UUT38A,B                             |
| 3AXD50000017473 | AX25-30-10-84                                                           | 32A, 11kW at 400V   | < 1           |     | UUT-05, UUT-36-A,B                                      |
| 3AXD50000017474 | AX32-30-10-84                                                           | 55A, 15kW at 400V   | 1.5           |     | UUT-39A,B                                               |
| 3AXD50000017475 | AX40-30-10-84                                                           | 60A, 18.5kW at 400V | 1.5           |     | UUT-09, UUT-38A,B, UUT-39A,B                            |
| 3AXD50000050428 | AX50-30-00-84                                                           | 100A, 22kW at 400V  | 2.2           |     | UUT-06, UUT-10, UUT-16, UUT-23A,B, UUT-37A,B, UUT-39A,B |
| 3AXD50000017477 | AX80-30-00-84                                                           | 125A, 37kW at 400V  | 2.2           |     | UUT-06, UUT-10, UUT-16, UUT-23A,B, UUT-37A,B, UUT-39A,B |
| AX80-30-00-84   | CONTACTOR, 3 POLE, 77/105A, 600VAC, 120VAC COIL                         | 77/105A             | 2.5           |     | UUT-16                                                  |
| 3AXD50000050111 | AX95-30-11-84                                                           | 145A, 45kW at 400V  | 4.6           |     | Interpolated                                            |
| 3AXD50000050113 | AX150-30-11-84                                                          | 190A, 75kW at 400V  | 4.6           |     | Interpolated                                            |
| AX150-30-11-84  | CONTACTOR, 3 POLE, 125/170A, 600VAC, 120VAC COIL, 1NO, 1NC              | 125/170A            | 5.0           |     | UUT-16                                                  |
| AX185-30-11-84  | CONTACTOR, 3 POLE, 156/250A, 600VAC, 120VAC COIL, 1NO, 1NC              | 156/250A            | 8.0           |     | UUT-18                                                  |
| 3AXD50000050114 | AX185-30-11-84                                                          | 250A, 90kW at 400V  | 8.4           |     | UUT-11                                                  |
| 3AXD50000050115 | AX205-30-11-84                                                          | 275A, 110kW at 400V | 8.4           |     | UUT-27                                                  |
| AF265-30-00-97  | CONTACTOR, 3 POLE, 350A, 75/200/250HP, 100-250VAC/DC (BXR)COIL, 1NO 1NC | 350A                | 10.0          |     | Interpolated                                            |
| AF305-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/305A/250Hp@480V                       | 350A                | 10.0          |     | Interpolated                                            |
| AF370-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/600A/300Hp@480V                       | 600 A               | 10.0          |     | Interpolated                                            |
| 3AXD50000050116 | AF265-30-00-13                                                          | 400A, 140kW at 400V | 10.2          |     | UUT-11                                                  |

Table 18a - Certified Subcomponents: Circuit Breakers - Type Code +F255  
(Within Wall Mounted Units)

| ABB Part Number        | Description                                                                     | Rating | Weight<br>[ lb ] | MFR | UUT                                                      |
|------------------------|---------------------------------------------------------------------------------|--------|------------------|-----|----------------------------------------------------------|
| XT1HU3060AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 60A,<br>UL CURRENT LIMITING, 65KAIC         | 60A    | 3.1              | ABB | Extrapolated                                             |
| XT1HU3100AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A,<br>UL CURRENT LIMITING, 65KAIC        | 100A   | 3.1              |     | Extrapolated                                             |
| 3AXD50000049170        | XT1H 100 TMF                                                                    | 100 A  | 3.1              |     | Interpolated                                             |
| 3AXD50000049164        | XT1H 15 TMF                                                                     | 15 A   | 3.1              |     | UUT-05, UUT-22A,B,<br>UUT-25A,B, UUT-36A,B,<br>UUT-38A,B |
| 3AXD50000049169        | XT1H 60 TMF                                                                     | 60A    | 3.1              |     | UUT-07, UUT-39A, B                                       |
| 3AXD50000049168        | XT1H 35 TMF                                                                     | 35A    | 3.1              |     | UUT-09, UUT-38A,B                                        |
| 3AXD50000136520        | XT2L 70 TMF                                                                     | 70A    | 3.5              |     | Interpolated                                             |
| 3AXD50000136537        | XT2L 100 TMA                                                                    | 100 A  | 3.5              |     | UUT-06, UUT-10, UUT-23A,B,<br>UUT-37A,B                  |
| XT2LU3070AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 70A,<br>UL CURRENT LIMITING, 100KAIC        | 70A    | 3.5              |     | Interpolated                                             |
| XT3SU3100AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A,<br>UL CURRENT LIMITING, 35KAIC        | 100A   | 4.0              |     | UUT-26A,B, UUT-39A,B                                     |
| 3AXD50000049924        | XT3S 225 TMF                                                                    | 225 A  | 4.6              |     | Interpolated                                             |
| 3AXD50000049923        | XT3S 125 TMF                                                                    | 125 A  | 4.6              |     | UUT-08                                                   |
| XT3SU3125AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 125A,<br>UL CURRENT LIMITING, 35KAIC        | 125A   | 4.6              |     | UUT-16                                                   |
| XT3SU3225AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 225A,<br>UL CURRENT LIMITING, 35KAIC        | 225A   | 4.6              |     | UUT-24A,B, UUT-27                                        |
| XT5HU340BBYF00<br>0XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 400A,<br>UL CURRENT LIMITING                | 400A   | 8.0              |     | Interpolated                                             |
| XT5HU360BBFF00<br>0XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A,<br>UL CURRENT LIMITING                | 600A   | 8.0              |     | Interpolated                                             |
| XT5LU360BBYF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A,<br>UL CURRENT LIMITING                | 600A   | 8.0              |     | Interpolated                                             |
| 3AXD50000146420        | T5N400E5W                                                                       | 400 A  | 8.6              |     | UUT-11                                                   |
| T5L400TW               | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE                                           | 400A   | 11.0             |     | Interpolated                                             |
| T5N400E5W              | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE,<br>MAGNETIC ONLY, ELECTRONIC MCP, 25KAIC | 400A   | 11.0             |     | UUT-18                                                   |

Table 19a - Certified Subcomponents: Fuse Blocks (Within Wall Mounted Units)

| ABB Part Number | Description                           | Rating   | Weight<br>[ lb ] | MFR             | UUT                                            |
|-----------------|---------------------------------------|----------|------------------|-----------------|------------------------------------------------|
| 3AXD50000954186 | 3 POLE FUSE BLOCK 30A CLASS T         | 30A      | < 1              | Little Fuse     | UUT-32A,B, UUT-33A,B                           |
| BMM603-1PQ      | 1 POLE FUSE BLOCK -SUPPLEMENTAL, 30A  | 30A      | 0.1              | Cooper Bussmann | Extrapolated                                   |
| BCM603-2PQ      | 2 POLE FUSE BLOCK - CLASS CC, 30A     | 30A      | 0.2              | Cooper Bussmann | Extrapolated                                   |
| 3AUA0000142370  | 3 Pole, 31-60A, 600VAC, Class T       | 31-60A   | < 1              | Cooper Bussmann | UUT-07                                         |
| LFT60060-3C     | Fuse Block Class T, 600V, 60A, 3-Pole | 31-60A   | < 1              | LittleFuse      | UUT-39A,B                                      |
| FU0005A64       | 1 Pole, BSMN T60200-1C, 200A          | 101-200A | 1.0              | Cooper Bussmann | Interpolated                                   |
| T60200-1C       | 1 POLE FUSE BLOCK - CLASS T, 200A     | 200A     | 1.0              | Cooper Bussmann | UUT-16                                         |
| T60400-1C       | 1 POLE FUSE BLOCK - CLASS T, 400A     | 400A     | 1.2              | Cooper Bussmann | UUT-18, UUT-24A,B                              |
| 3AUA0000142380  | 1 Pole, 600VAC, 400A, Class T         | 201-400A | 1.3              | Cooper Bussmann | UUT-11                                         |
| 3AUA0000142373  | 3 Pole, 61-100A,600V, Class T         | 61-100A  | 1.5              | Cooper Bussmann | UUT-06, UUT-08,<br>UUT-10, UUT-21              |
| 3AXD50000827060 | 3 Pole, 61-100A,600V, Class T         | 61-100A  | 1.5              | Little Fuse     | UUT-34A,B, UUT-35A,B, UUT-37A,B, UUT-<br>39A,B |
| T60600-1C       | 1 POLE FUSE BLOCK - CLASS T, 600A     | 600A     | 2.5              | Cooper Bussmann | Interpolated                                   |
| BCM603-3PQ      | 3 POLE FUSE BLOCK - CLASS CC, 30A     | 30A      | < 1              | Cooper Bussmann | UUT-22A,B, UUT-25A,B, UUT-38A,B                |
| TM60060-3CR     | 3 POLE FUSE BLOCK - CLASS T, 60A      | 60A      | 0.6              | Cooper Bussmann | Interpolated                                   |
| TM60100-3CR     | 3 POLE FUSE BLOCK - CLASS T, 100A     | 100A     | 1.0              | Cooper Bussmann | UUT-23A,B, UUT-24A,B, UUT-26A,B                |

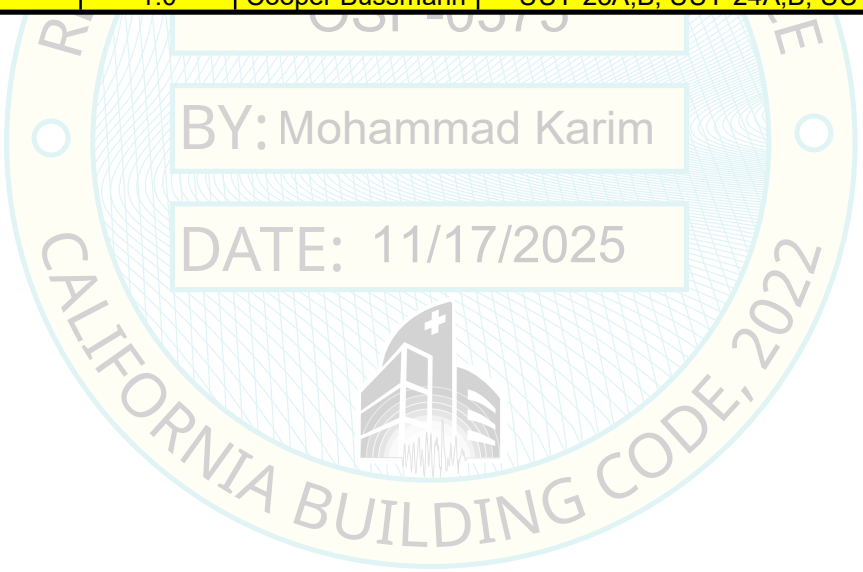


Table 20a - Certified Subcomponents: Disconnect Switches / Service Switches  
(Within Wall Mounted Units)

| ABB Part Number | Description                                                       | Rating | Weight<br>[ lb ] | MFR | UUT                                                           |
|-----------------|-------------------------------------------------------------------|--------|------------------|-----|---------------------------------------------------------------|
| 3AUA0000049777  | Disconnect Switch                                                 | 100A   | < 1              | ABB | UUT-06, UUT-10, UUT-21,<br>UUT-23A,B, UUT-34A,B, UUT-39A,B    |
| 3AXD50000049831 | OT30F                                                             | 30A    | < 1              |     | UUT-05, UUT-09, UUT-22A,B,<br>UUT-32A,B, UUT-36A,B, UUT-38A,B |
| 3AXD50000049832 | OT60F                                                             | 60A    | < 1              |     | UUT-39A,B                                                     |
| 3AUA0000019627  | Disconnect Switch                                                 | 200A   | 1.2              |     | Interpolated                                                  |
| OT200U03        | DISCONNECT SWITCH, 200A, 3P, 600VAC,<br>200HP @ 480V              | 200A   | 3.3              |     | Interpolated                                                  |
| 3AXD50000139828 | XT2D                                                              | 125A   | 3.5              |     | UUT-37A,B                                                     |
| T5H400DW        | MOLDED CASE SWITCH, 600VAC, 400A, 3<br>POLE, MAGNETIC ONLY, 65KA  | 400A   | 4.2              |     | Interpolated                                                  |
| T5L600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3<br>POLE, MAGNETIC ONLY, 100KA | 600A   | 4.2              |     | Interpolated                                                  |
| T5H600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3<br>POLE, MAGNETIC ONLY, 65KA  | 600A   | 4.2              |     | Interpolated                                                  |
| T5L400DW        | MOLDED CASE SWITCH, 600VAC, 400A, 3<br>POLE,                      | 400A   | 4.15             |     | Interpolated                                                  |
| T5L600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3<br>POLE,                      | 600A   | 4.15             |     | Interpolated                                                  |
| OT400U03        | DISCONNECT SWITCH, 400A, 3P, 600VAC,<br>250HP @ 480V              | 400A   | 6.7              |     | Interpolated                                                  |
| 3AXD50000049819 | OT400U03                                                          | 400 A  | 6.7              |     | UUT-11                                                        |

Table 21a - Certified Subcomponents: Filters (Within Wall Mounted Units)

| ABB Part Number | Description                        | Material          | Weight<br>[ lb ] | MFR          | UUT    |
|-----------------|------------------------------------|-------------------|------------------|--------------|--------|
| 11760004050     | GRILL AND FILTER, 12" (PFA 60000)  | type 12           | 1.5              | PFANNEN-BERG | UUT-18 |
| 3AUA0000004887  | Filter air, precut 150*300*12.5 mm | polyester/plastic | < 1              | Tex Air      | UUT-11 |

Table 22a - Certified Subcomponents: Current Transformers (Within Wall Mounted Units)

| ABB Part Number | Description                                             | Rating | Weight [ lb ] | MFR                                                                                     | UUT                                  |
|-----------------|---------------------------------------------------------|--------|---------------|-----------------------------------------------------------------------------------------|--------------------------------------|
| 3AUA0000014759  | Current Transformer (CT)                                | 25:1   | < 1           | ABB                                                                                     | UUT-05, UUT-09, UUT-36A,B, UUT-38A,B |
| X4150PSF1       | CONTROL TRANSFORMER, 150VA, PRI: 460/230V, SEC: 115/24V | 150VA  | 9.0           |                                                                                         | UUT-16,UUT-22A,B, UUT-23A,B          |
| X4250PSF1       | CONTROL TRANSFORMER, 250VA, PRI: 460/230V, SEC: 115/24V | 250VA  | 11.0          |                                                                                         | UUT-18, UUT-24A,B,                   |
| X4500PSF1       | CONTROL TRANSFORMER, 500VA, PRI: 460/230V, SEC: 115/24V | 500VA  | 22.0          |                                                                                         | Extrapolated                         |
| 3AUA0000048829  | ASSEMBLY, RHTR, 150VA, TRANSFORMER                      | 150VA  | 10.0          |                                                                                         | UUT-38A,B, UUT-39A,B                 |
| 3AUA0000014760  | Current Transformer (CT)                                | 75:1   | < 1           | Teamwise Electronic Co., LTD.                                                           | UUT-37A,B, UUT-39A,B                 |
| 3AUA476001B24   | Current Transformer (CT)                                | 200:5  | < 1           | Tyco Electronics/ Narayan Powertech Pvt. Ltd./ Instrument Transformer Technologies, LLC | UUT-06, UUT-10, UUT-21               |
| 3AUA0000004443  | Current Transformer (CT)                                | 300:5  | 0.4           |                                                                                         | UUT-11                               |
| 3AUA476001B25   | Current Transformer (CT)                                | 500:5  | 1.0           |                                                                                         | Interpolated                         |
|                 |                                                         |        |               |                                                                                         | UUT-11                               |



Table 23a - Certified Subcomponents: Reactors - Type Code +E213  
(Within Wall Mounted Units)

| ABB Part Number | Description                                             | Rating                  | Weight<br>[ lb ] | MFR | UUT            |
|-----------------|---------------------------------------------------------|-------------------------|------------------|-----|----------------|
| 3AUA0000008409  | MOV for 230V Line Reactor                               | 230 Volts at 240 Joules | 0.4              | ABB | Extrapolated   |
| 3AUA0000008410  | MOV for 480V Line Reactor                               | 480 Volts at 470 Joules | < 1              |     | UUT-09, UUT-10 |
| 3AUA0000008411  | MOV for 600V Line Reactor                               | 600 Volts at 300 Joules | 0.4              |     | Interpolated   |
| 3AUA0000015536  | AC Line Reactor R1 1.2mH,12A<br>Continuous-NEW TYPE 12  | 1.2mH, 12A              | 5.4              |     | Interpolated   |
| 3AUA0000015537  | AC Line Reactor R2 0.42mH,31A<br>Continuous-NEW TYPE 12 | 0.42mH, 31A             | 6.6              |     | UUT-09         |
| 3AUA0000015538  | AC Line Reactor R3 0.33mH,59A<br>Continuous-NEW TYPE 12 | 0.33mH, 59A             | 15.8             |     | Interpolated   |
| 3AUA0000015539  | AC Line Reactor R4 0.18mH,75A<br>Continuous-NEW TYPE 12 | 0.18mH, 75A             | 16.0             |     | UUT-10         |
| KDRF25L         | LINE REACTOR, 40HP, 208/240VAC, 3%, UL<br>OPEN, 114A    | 114a                    | 30.0             | TCI | Interpolated   |
| KDRF26L         | LINE REACTOR, 50HP, 208/240VAC, 3%, UL<br>OPEN, 143A    | 143a                    | 30.0             |     | Interpolated   |
| KDRF24L         | LINE REACTOR, 30HP, 208/240VAC, 3%, UL<br>OPEN, 88A     | 88a                     | 30.0             |     | Interpolated   |
| KDRF3L          | LINE REACTOR, 75HP, 480VAC, 3%, UL OPEN,<br>96A         | 96a                     | 30.0             |     | UUT-16         |
| KDRH3L          | LINE REACTOR, 100HP, 480VAC, 3%, UL OPEN,<br>124A       | 124a                    | 40.0             |     | Interpolated   |
| KDRH2L          | LINE REACTOR, 125HP, 480VAC, 3%, UL OPEN,<br>156A       | 156a                    | 40.0             |     | Interpolated   |
| KDRH1L          | LINE REACTOR, 150HP, 480VAC, 3%, UL OPEN,<br>180A       | 180a                    | 40.0             |     | Interpolated   |
| KDRH22L         | LINE REACTOR, 60HP, 208/240VAC, 3%, UL<br>OPEN, 169A    | 169a                    | 45.0             |     | Interpolated   |
| KDRI23L         | LINE REACTOR, 75HP, 208/240VAC, 3%, UL<br>OPEN, 211A    | 211a                    | 50.0             |     | Interpolated   |
| KDRI24L         | LINE REACTOR, 100HP, 208/240VAC, 3%, UL<br>OPEN, 273A   | 273a                    | 50.0             |     | UUT-18         |

**Table 15b - Certified Subcomponents: Fuses (Within Floor Mounted Units)**

| ABB Part Number | Description                        | Rating | Weight [ lb ] | MFR             | UUT            |
|-----------------|------------------------------------|--------|---------------|-----------------|----------------|
| JJS-50A         | Class T, 200kA, 600V, 50A          | 50A    | 0.1           | Cooper Bussmann | Extrapolated   |
| 3AUA0000015604  | 15A, 600V, Class CC, REJ KTK-R-15  | 15A    | < 0.1         |                 | Extrapolated   |
| 3AUA0000015605  | 30A, 600V, Class CC, REJ KTK-R-30  | 30A    | < 0.1         |                 | Extrapolated   |
| JJS-80          | Class T, 200kA, 600V, 80A          | 80A    | 0.1           |                 | Extrapolated   |
| 3AUA0000015607  | 100A, 600V, Class T, REJ JJS-100   | 100A   | 0.1           |                 | Extrapolated   |
| 3AUA567001A15   | 100A, 600V, LPJ-100SP              | 100A   | 0.2           |                 | Extrapolated   |
| JJS-100         | Class T, 200kA, 600V, 100A         | 100A   | 0.1           |                 | Extrapolated   |
| 3AUA0000147985  | 40A, 600VAC(T), V Fast Acting      | 40A    | 0.1           |                 | Extrapolated   |
| 3AUA0000147986  | 50A, 600VAC(T), V Fast Acting      | 50A    | 0.1           |                 | Extrapolated   |
| 3AUA0000015606  | 60A, 600V, Class T, REJ            | 60A    | 0.1           |                 | Extrapolated   |
| 3AUA0000147987  | 80A, 600VAC(T), V Fast Acting      | 80A    | 0.1           |                 | Extrapolated   |
| BG56720003-16   | 90A, 600V, JJS-90                  | 90A    | 0.1           |                 | Extrapolated   |
| JJS-150         | Class T, 200kA, 600V, 150A         | 150A   | 0.2           |                 | Extrapolated   |
| 3AXD50000050512 | JJS-175, 600V                      | 175A   | 0.2           |                 | Extrapolated   |
| JJS-200         | Class T, 200kA, 600V, 200A         | 200A   | 0.2           |                 | Extrapolated   |
| 3AXD50000050511 | JJS-110, 600V                      | 110A   | 0.2           |                 | Extrapolated   |
| JJS-110         | Class T, 200kA, 600V, 110A         | 110A   | 0.2           |                 | Extrapolated   |
| 3AUA0000147989  | 150A, 600VAC(T), V Fast Acting     | 150A   | 0.2           |                 | Extrapolated   |
| 3AUA0000147990  | 200A, 600VAC(T), V Fast Acting     | 200A   | 0.2           |                 | Extrapolated   |
| JJS-175         | Class T, 200kA, 600V, 175A         | 175A   | 0.2           |                 | Extrapolated   |
| JJS-350         | Class T, 200kA, 600V, 350A         | 350A   | 0.5           |                 | UUT-17, UUT-18 |
| JJS-250         | Class T, 200kA, 600V, 250A         | 250A   | 0.5           |                 | Interpolated   |
| JJS-300         | Class T, 200kA, 600V, 300A         | 300A   | 0.5           |                 | Interpolated   |
| 3AUA0000142381  | 225A, 600VAC(T) 92X25, V Fast, BLH | 225A   | 0.5           |                 | Interpolated   |
| 3AXD50000050513 | JJS-250, 600V                      | 250A   | 0.5           |                 | Interpolated   |
| 3AXD50000050514 | JJS-300, 600V                      | 300A   | 0.5           |                 | Interpolated   |
| JJS-225         | Class T, 200kA, 600V, 225A         | 225A   | 0.6           |                 | Interpolated   |
| 3AUA0000145948  | 350A, 600VAC(T), V Fast, BLH       | 350A   | 0.6           |                 | Interpolated   |
| JJS-500         | Class T, 200kA, 600V, 500A         | 500A   | 1.0           |                 | Interpolated   |
| JJS-600         | Class T, 200kA, 600V, 600A         | 600A   | 1.0           |                 | UUT-19, UUT-20 |
| 170M5x08        | Bussmann 170M5x08, 690V, 400A      | 400A   | 0.7           |                 | Extrapolated   |
| 170M5x10        | Bussmann 170M5x10, 690V, 500A      | 500A   | 0.7           |                 | Extrapolated   |
| 170M6x10        | Bussmann 170M6x10, 690V, 630A      | 630A   | 1.5           |                 | Extrapolated   |
| 170M6x11        | Bussmann 170M6x11, 690V, 700A      | 700A   | 2.6           |                 | Extrapolated   |
| 170M6x12        | Bussmann 170M6x12, 690V, 800A      | 800A   | 2.6           |                 | Extrapolated   |

**Note:** JJS Part Numbers are Bussman Part Numbers, and 3AU part numbers are ABB part numbers. Where "x" can be "0" (DIN 43653) or "4" (Flush End), or "6" US Style or "3" French Style Fuse. Semiconductor fuses listed in the tables above and throughout the document are base part numbers only.

**Table 16b - Certified Subcomponents: Fans (Within Floor Mounted Units)**

| ABB Part Number | Description                                                  | Rating  | Weight [ lb ] | MFR              | UUT                    |
|-----------------|--------------------------------------------------------------|---------|---------------|------------------|------------------------|
| UF15KC12-BTH    | ENCLOSURE FAN, 6", 293 CFM, 115 VAC                          | 293 CFM | 2.3           | PFANNEN-<br>BERG | Extrapolated           |
| 11675154053     | FILTERFAN, EXHAUST, 12" DIA, 297 CFM, 115 VAC (PF65000"A")   | 297 CFM | 7.0           |                  | Extrapolated           |
| 11677154050     | FILTERFAN, SUPPLY, 12" DIA. 427 CFM, 115 VAC (PF67000 SL)    | 427 CFM | 8.8           |                  | UUT-17, UUT-19, UUT-20 |
| 11677154053     | FILTERFAN, EXHAUST, 12" DIA. 427 CFM, 115 VAC (PF67000 SL A) | 427 CFM | 8.8           |                  | UUT-19, UUT-20         |

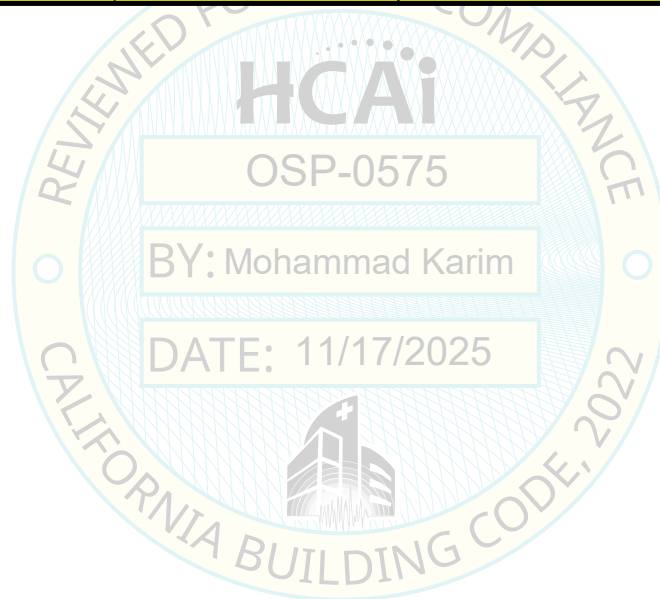


**Table 17b - Certified Subcomponents: Contactors (Within Floor Mounted Units)**

| ABB Part Number | Description                                                             | Rating              | Weight [ lb ] | MFR | UUT            |
|-----------------|-------------------------------------------------------------------------|---------------------|---------------|-----|----------------|
| AF09-30-01-13   | CONTACTOR, 3 POLE, 25A, 2/5/7.5HP, 100-250VAC/DC COIL, 1NC              | 25A                 | 0.6           | ABB | UUT-19, UUT-20 |
| 3AXD50000017471 | AX09-30-10-84                                                           | 22A, 4kW at 400V    | 0.7           |     | Interpolated   |
| 3AXD50000017472 | AX12-30-10-84                                                           | 25A, 5.5kW at 400V  | 0.7           |     | Interpolated   |
| 3AXD50000017473 | AX25-30-10-84                                                           | 32A, 11kW at 400V   | 0.7           |     | Interpolated   |
| 3AXD50000017474 | AX32-30-10-84                                                           | 55A, 15kW at 400V   | 1.5           |     | Interpolated   |
| 3AXD50000017475 | AX40-30-10-84                                                           | 60A, 18.5kW at 400V | 1.5           |     | Interpolated   |
| 3AXD50000050428 | AX50-30-00-84                                                           | 100A, 22kW at 400V  | 2.2           |     | Interpolated   |
| 3AXD50000017477 | AX80-30-00-84                                                           | 125A, 37kW at 400V  | 2.2           |     | Interpolated   |
| AX80-30-00-84   | CONTACTOR, 3 POLE, 77/105A, 600VAC, 120VAC COIL                         | 77/105A             | 2.5           |     | Interpolated   |
| 3AXD50000050111 | AX95-30-11-84                                                           | 145A, 45kW at 400V  | 4.6           |     | Interpolated   |
| 3AXD50000050113 | AX150-30-11-84                                                          | 190A, 75kW at 400V  | 4.6           |     | Interpolated   |
| AX150-30-11-84  | CONTACTOR, 3 POLE, 125/170A, 600VAC, 120VAC COIL, 1NO, 1NC              | 125/170A            | 5.0           |     | Interpolated   |
| AX185-30-11-84  | CONTACTOR, 3 POLE, 156/250A, 600VAC, 120VAC COIL, 1NO, 1NC              | 156/250A            | 8.0           |     | UUT-17         |
| 3AXD50000050114 | AX185-30-11-84                                                          | 250A, 90kW at 400V  | 8.4           |     | Interpolated   |
| 3AXD50000050115 | AX205-30-11-84                                                          | 275A, 110kW at 400V | 8.4           |     | Interpolated   |
| AF265-30-00-97  | CONTACTOR, 3 POLE, 350A, 75/200/250HP, 100-250VAC/DC (BXR)COIL, 1NO 1NC | 350A                | 10.0          |     | UUT-17         |
| 3AXD50000050116 | AF265-30-00-13                                                          | 400A, 140kW at 400V | 10.2          |     | Interpolated   |
| AF305-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/305A/250Hp@480V                       | 350A                | 10.0          |     | Interpolated   |
| AF370-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/600A/300Hp@480V                       | 600 A               | 10.0          |     | Interpolated   |
| AF400-30-11-70  | CONTACTOR, 3 POLE, 550A, 125/350/400HP, 100-250VAC/DC COIL, 1NO 1NC     | 550A                | 27.0          |     | UUT-20         |
| AF460-30-11-70  | CONTACTOR, 3 POLE, 150/400/500HP, 100-250VAC/DC COIL, 1NO 1NC           | 650 A               | 27.0          |     | UUT-20         |

**Table 18b - Certified Subcomponents: Circuit Breakers - Type Code +F255  
(Within Floor Mounted Units)**

| ABB Part Number        | Description                                                                     | Rating | Weight [ lb ] | MFR | UUT            |
|------------------------|---------------------------------------------------------------------------------|--------|---------------|-----|----------------|
| XT1HU3060AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 60A, UL<br>CURRENT LIMITING, 65KAIC         | 60A    | 3.1           | ABB | Interpolated   |
| XT1HU3100AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A, UL<br>CURRENT LIMITING, 65KAIC        | 100A   | 3.1           |     | Interpolated   |
| 3AXD50000049170        | XT1H 100 TMF                                                                    | 100 A  | 3.1           |     | Interpolated   |
| 3AXD50000049164        | XT1H 15 TMF                                                                     | 15 A   | 3.1           |     | Interpolated   |
| 3AXD50000049169        | XT1H 60 TMF                                                                     | 65 A   | 3.1           |     | Interpolated   |
| 3AXD50000049168        | XT1H 35 TMF                                                                     | 35 A   | 3.1           |     | Interpolated   |
| 3AXD50000136520        | XT2L 70 TMF                                                                     | 70 A   | 3.5           |     | Interpolated   |
| 3AXD50000136537        | XT2L 100 TMA                                                                    | 100 A  | 3.5           |     | Interpolated   |
| XT2LU3070AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 70A, UL<br>CURRENT LIMITING, 100KAIC        | 70A    | 3.5           |     | Interpolated   |
| XT3SU3100AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A, UL<br>CURRENT LIMITING, 35KAIC        | 100A   | 4.0           |     | Interpolated   |
| 3AXD50000049924        | XT3S 225 TMF                                                                    | 225 A  | 4.6           |     | Interpolated   |
| 3AXD50000049923        | XT3S 125 TMF                                                                    | 125 A  | 4.6           |     | Interpolated   |
| XT3SU3125AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 125A, UL<br>CURRENT LIMITING, 35KAIC        | 125A   | 4.6           |     | Interpolated   |
| XT3SU3225AFF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 225A, UL<br>CURRENT LIMITING, 35KAIC        | 225A   | 4.6           |     | Interpolated   |
| XT5HU340BBYF00<br>0XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 400A, UL<br>CURRENT LIMITING                | 400A   | 8.0           |     | Interpolated   |
| XT5HU360BBFF00<br>0XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A, UL<br>CURRENT LIMITING                | 600A   | 8.0           |     | Interpolated   |
| XT5LU360BBYF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A, UL<br>CURRENT LIMITING                | 600A   | 8.0           |     | Interpolated   |
| 3AXD50000146420        | T5N400E5W                                                                       | 400 A  | 8.6           |     | Interpolated   |
| T5L400TW               | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE                                           | 400A   | 11.0          |     | Interpolated   |
| T5N400E5W              | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE, MAGNETIC<br>ONLY, ELECTRONIC MCP, 25KAIC | 400A   | 11.0          |     | UUT-17         |
| T5L600BW               | CIRCUIT BREAKER, 600VAC, 600A, 3 POLE, ELECTRONIC<br>TRIP UNIT, 100KAIC         | 600A   | 11.0          |     | UUT-19, UUT-20 |

**Table 19b - Certified Subcomponents: Fuse Blocks (Within Floor Mounted Units)**

| ABB Part Number | Description                          | Rating   | Weight [ lb ] | MFR             | UUT          |
|-----------------|--------------------------------------|----------|---------------|-----------------|--------------|
| BMM603-1PQ      | 1 POLE FUSE BLOCK -SUPPLEMENTAL, 30A | 30A      | 0.1           | Cooper Bussmann | UUT-20       |
| BCM603-2PQ      | 2 POLE FUSE BLOCK - CLASS CC, 30A    | 30A      | 0.2           |                 | UUT-20       |
| 3AUA0000142370  | 3 Pole, 31-60A, 600VAC, Class T      | 31-60A   | 0.6           |                 | Extrapolated |
| FU0005A64       | 1 Pole, BSMN T60200-1C, 200A         | 101-200A | 1.0           |                 | Extrapolated |
| T60200-1C       | 1 POLE FUSE BLOCK - CLASS T, 200A    | 200A     | 1.0           |                 | Extrapolated |
| T60400-1C       | 1 POLE FUSE BLOCK - CLASS T, 400A    | 400A     | 1.2           |                 | UUT-17       |
| 3AUA0000142380  | 1 Pole, 600VAC, 400A, Class T        | 201-400A | 1.3           |                 | Interpolated |
| 3AUA0000142373  | 3 Pole, 61-100A,600V, Class T        | 61-100A  | 1.5           |                 | Interpolated |
| T60600-1C       | 1 POLE FUSE BLOCK - CLASS T, 600A    | 600A     | 2.5           |                 | UUT-19       |
| BCM603-3PQ      | 3 POLE FUSE BLOCK - CLASS CC, 30A    | 30A      | 0.3           |                 | Extrapolated |
| TM60060-3CR     | 3 POLE FUSE BLOCK - CLASS T, 60A     | 60A      | 0.6           |                 | Extrapolated |
| TM60100-3CR     | 3 POLE FUSE BLOCK - CLASS T, 100A    | 100A     | 1.0           |                 | Extrapolated |

**Table 20b - Certified Subcomponents: Disconnect Switches / Service Switches (Within Floor Mounted Units)**

| ABB Part Number | Description                                                    | Rating | Weight [ lb ] | MFR | UUT    |
|-----------------|----------------------------------------------------------------|--------|---------------|-----|--------|
| T5L600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3 POLE, MAGNETIC ONLY, 100KA | 600A   | 4.2           | ABB | UUT-20 |

**Table 21b - Certified Subcomponents: Filters (Within Floor Mounted Units)**

| ABB Part Number | Description                       | Material | Weight [ lb ] | MFR          | UUT            |
|-----------------|-----------------------------------|----------|---------------|--------------|----------------|
| 11760004050     | GRILL AND FILTER, 12" (PFA 60000) | type 12  | 1.5           | PFANNEN-BERG | UUT-17, UUT-19 |

**Table 22b - Certified Subcomponents: Current Transformers (Within Floor Mounted Units)**

| ABB Part Number | Description                                              | Rating | Weight [ lb ] | MFR | UUT          |
|-----------------|----------------------------------------------------------|--------|---------------|-----|--------------|
| 3AUA0000014759  | Current Transformer (CT)                                 | 25:1   | 0.4           | ABB | Extrapolated |
| X4150PSF1       | CONTROL TRANSFORMER, 150VA, PRI: 460/230V, SEC: 115/24V  | 150VA  | 9.0           |     | Extrapolated |
| X4250PSF1       | CONTROL TRANSFORMER, 250VA, PRI: 460/230V, SEC: 115/24V  | 250VA  | 11.0          |     | UUT-17       |
| X4500PSF1       | CONTROL TRANSFORMER, 500VA, PRI: 460/230V, SEC: 115/24V  | 500VA  | 22.0          |     | Interpolated |
| X4750PS1        | CONTROL TRANSFORMER, 750VA, PRI: 460/230V, SEC: 115V     | 750VA  | 25.0          |     | UUT-19       |
| X41K1           | CONTROL TRANSFORMER, 1000VA, PRI: 460/230V, SEC: 115/24V | 1000VA | 33.0          |     | UUT-20       |

**Table 23b - Certified Subcomponents: Reactors - Type Code +E213  
(Within Floor Mounted Units)**

| ABB Part Number | Description                                        | Rating | Weight<br>[ lb ] | MFR | UUT          |
|-----------------|----------------------------------------------------|--------|------------------|-----|--------------|
| KDRF25L         | LINE REACTOR, 40HP, 208/240VAC, 3%, UL OPEN, 114A  | 114a   | 30.0             | TCI | Interpolated |
| KDRF26L         | LINE REACTOR, 50HP, 208/240VAC, 3%, UL OPEN, 143A  | 143a   | 30.0             |     | Interpolated |
| KDRF24L         | LINE REACTOR, 30HP, 208/240VAC, 3%, UL OPEN, 88A   | 88a    | 30.0             |     | Interpolated |
| KDRF3L          | LINE REACTOR, 75HP, 480VAC, 3%, UL OPEN, 96A       | 96a    | 30.0             |     | Interpolated |
| KDRH3L          | LINE REACTOR, 100HP, 480VAC, 3%, UL OPEN, 124A     | 124a   | 40.0             |     | Interpolated |
| KDRH2L          | LINE REACTOR, 125HP, 480VAC, 3%, UL OPEN, 156A     | 156a   | 40.0             |     | Interpolated |
| KDRH1L          | LINE REACTOR, 150HP, 480VAC, 3%, UL OPEN, 180A     | 180a   | 40.0             |     | Interpolated |
| KDRH22L         | LINE REACTOR, 60HP, 208/240VAC, 3%, UL OPEN, 169A  | 169a   | 45.0             |     | Interpolated |
| KDRI23L         | LINE REACTOR, 75HP, 208/240VAC, 3%, UL OPEN, 211A  | 211a   | 50.0             |     | Interpolated |
| KDRI24L         | LINE REACTOR, 100HP, 208/240VAC, 3%, UL OPEN, 273A | 273a   | 50.0             |     | Interpolated |
| KDRG3L          | LINE REACTOR, 200HP, 480VAC, 3%, UL OPEN, 240A     | 240a   | 65.0             |     | UUT-17       |
| KDRG1L          | LINE REACTOR, 250HP, 480VAC, 3%, UL OPEN, 302A     | 302a   | 65.0             |     | Interpolated |
| KDRG2L          | LINE REACTOR, 300HP, 480VAC, 3%, UL OPEN, 361A     | 361a   | 65.0             |     | Interpolated |
| KDRJ2L          | LINE REACTOR, 350HP, 480VAC, 3%, UL OPEN, 414A     | 414a   | 70.0             |     | UUT-19       |



**Table 15c - Certified Subcomponents: Fuses  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                        | Rating | Weight<br>[ lb ] | MFR                | UUT            |
|-----------------|------------------------------------|--------|------------------|--------------------|----------------|
| JJS-50A         | Class T, 200kA, 600V, 50A          | 50A    | 0.1              | Cooper<br>Bussmann | Extrapolated   |
| 3AUA0000015604  | 15A, 600V, Class CC, REJ KTK-R-15  | 15A    | < 0.1            |                    | Extrapolated   |
| 3AUA0000015605  | 30A, 600V, Class CC, REJ KTK-R-30  | 30A    | < 0.1            |                    | Extrapolated   |
| JJS-80          | Class T, 200kA, 600V, 80A          | 80A    | 0.1              |                    | Extrapolated   |
| 3AUA0000015607  | 100A, 600V, Class T, REJ JJS-100   | 100A   | 0.1              |                    | Extrapolated   |
| 3AUA567001A15   | 100A, 600V, LPJ-100SP              | 100A   | 0.2              |                    | Extrapolated   |
| JJS-100         | Class T, 200kA, 600V, 100A         | 100A   | 0.1              |                    | Extrapolated   |
| 3AUA0000147985  | 40A, 600VAC(T), V Fast Acting      | 40A    | 0.1              |                    | Extrapolated   |
| 3AUA0000147986  | 50A, 600VAC(T), V Fast Acting      | 50A    | 0.1              |                    | Extrapolated   |
| 3AUA0000015606  | 60A, 600V, Class T, REJ            | 60A    | 0.1              |                    | Extrapolated   |
| 3AUA0000147987  | 80A, 600VAC(T), V Fast Acting      | 80A    | 0.1              |                    | Extrapolated   |
| BG56720003-16   | 90A, 600V, JJS-90                  | 90A    | 0.1              |                    | Extrapolated   |
| JJS-150         | Class T, 200kA, 600V, 150A         | 150A   | 0.2              |                    | Extrapolated   |
| 3AXD50000050512 | JJS-175, 600V                      | 175A   | 0.2              |                    | Extrapolated   |
| JJS-200         | Class T, 200kA, 600V, 200A         | 200A   | 0.2              |                    | Extrapolated   |
| 3AXD50000050511 | JJS-110, 600V                      | 110A   | 0.2              |                    | Extrapolated   |
| JJS-110         | Class T, 200kA, 600V, 110A         | 110A   | 0.2              |                    | Extrapolated   |
| 3AUA0000147989  | 150A, 600VAC(T), V Fast Acting     | 150A   | 0.2              |                    | Extrapolated   |
| 3AUA0000147990  | 200A, 600VAC(T), V Fast Acting     | 200A   | 0.2              |                    | Extrapolated   |
| JJS-175         | Class T, 200kA, 600V, 175A         | 175A   | 0.2              |                    | Extrapolated   |
| JJS-350         | Class T, 200kA, 600V, 350A         | 350A   | 0.5              |                    | Extrapolated   |
| JJS-250         | Class T, 200kA, 600V, 250A         | 250A   | 0.5              |                    | Extrapolated   |
| JJS-300         | Class T, 200kA, 600V, 300A         | 300A   | 0.5              |                    | UUT-27         |
| 3AUA0000142381  | 225A, 600VAC(T) 92X25, V Fast, BLH | 225A   | 0.5              |                    | Interpolated   |
| 3AXD50000050513 | JJS-250, 600V                      | 250A   | 0.5              |                    | Interpolated   |
| 3AXD50000050514 | JJS-300, 600V                      | 300A   | 0.5              |                    | Interpolated   |
| JJS-225         | Class T, 200kA, 600V, 225A         | 225A   | 0.6              |                    | Interpolated   |
| 3AUA0000145948  | 350A, 600VAC(T), V Fast, BLH       | 350A   | 0.6              |                    | Interpolated   |
| JJS-500         | Class T, 200kA, 600V, 500A         | 500A   | 1.0              |                    | Interpolated   |
| JJS-600         | Class T, 200kA, 600V, 600A         | 600A   | 1.0              |                    | Interpolated   |
| 170M5x08        | Bussmann 170M5x08, 690V, 400A      | 400A   | 0.7              |                    | Interpolated   |
| 170M5x10        | Bussmann 170M5x10, 690V, 500A      | 500A   | 0.7              |                    | Interpolated   |
| 170M6x10        | Bussmann 170M6x10, 690V, 630A      | 630A   | 1.5              |                    | Interpolated   |
| 170M6x11        | Bussmann 170M6x11, 690V, 700A      | 700A   | 2.6              |                    | Interpolated   |
| 170M6x12        | Bussmann 170M6x12, 690V, 800A      | 800A   | 2.6              |                    | UUT-28, UUT-29 |

**Note:** JJS Part Numbers are Bussman Part Numbers, and 3AU part numbers are ABB part numbers

Where "x" can be "0" (DIN 43653) or "4" (Flush End), or "6" US Style or "3" French Style Fuse Semiconductor fuses listed in the tables above and throughout the document are base part numbers only.

**Table 16c - Certified Subcomponents: Fans  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                              | Rating  | Weight<br>[ lb ] | MFR          | UUT            |
|-----------------|------------------------------------------|---------|------------------|--------------|----------------|
| UF15KC12-BTH    | ENCLOSURE FAN, 6", 293 CFM, 115 VAC      | 293 CFM | 2.3              | MECHATRONICS | UUT-27         |
| 3243.110        | FAN 13" 353/289/330/284 CFM 110VAC/60Hz  | 284 CFM | 7.9              | Rittal       | UUT-28, UUT-29 |
| 3244.110        | FAN 13" 424/359/406/322 CFM 110VAC/60HZ  | 322 CFM | 9.5              |              | Interpolated   |
| 3139.110        | ROOF FAN 13" 323/229/252 CFM 110VAC/60HZ | 252 CFM | 11.5             |              | Interpolated   |
| 3140.110        | ROOF FAN 13" 518/359/412 CFM 115VAC/60HZ | 412 CFM | 13.2             |              | UUT-28, UUT-29 |



**Table 17c - Certified Subcomponents: Contactors  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                                                             | Rating              | Weight<br>[ lb ] | MFR | UUT          |
|-----------------|-------------------------------------------------------------------------|---------------------|------------------|-----|--------------|
| AF09-30-01-13   | CONTACTOR, 3 POLE, 25A, 2/5/7.5HP, 100-250VAC/DC COIL, 1NC              | 25A                 | 0.6              | ABB | Extrapolated |
| 3AXD50000017471 | AX09-30-10-84                                                           | 22A, 4kW at 400V    | 0.7              |     | Extrapolated |
| 3AXD50000017472 | AX12-30-10-84                                                           | 25A, 5.5kW at 400V  | 0.7              |     | Extrapolated |
| 3AXD50000017473 | AX25-30-10-84                                                           | 32A, 11kW at 400V   | 0.7              |     | Extrapolated |
| 3AXD50000017474 | AX32-30-10-84                                                           | 55A, 15kW at 400V   | 1.5              |     | Extrapolated |
| 3AXD50000017475 | AX40-30-10-84                                                           | 60A, 18.5kW at 400V | 1.5              |     | Extrapolated |
| 3AXD50000050428 | AX50-30-00-84                                                           | 100A, 22kW at 400V  | 2.2              |     | Extrapolated |
| 3AXD50000017477 | AX80-30-00-84                                                           | 125A, 37kW at 400V  | 2.2              |     | Extrapolated |
| AX80-30-00-84   | CONTACTOR, 3 POLE, 77/105A, 600VAC, 120VAC COIL                         | 77/105A             | 2.5              |     | Extrapolated |
| 3AXD50000050111 | AX95-30-11-84                                                           | 145A, 45kW at 400V  | 4.6              |     | Extrapolated |
| 3AXD50000050113 | AX150-30-11-84                                                          | 190A, 75kW at 400V  | 4.6              |     | Extrapolated |
| AX150-30-11-84  | CONTACTOR, 3 POLE, 125/170A, 600VAC, 120VAC COIL, 1NO, 1NC              | 125/170A            | 5.0              |     | Extrapolated |
| AX185-30-11-84  | CONTACTOR, 3 POLE, 156/250A, 600VAC, 120VAC COIL, 1NO, 1NC              | 156/250A            | 8.0              |     | UUT-27       |
| 3AXD50000050114 | AX185-30-11-84                                                          | 250A, 90kW at 400V  | 8.4              |     | Interpolated |
| 3AXD50000050115 | AX205-30-11-84                                                          | 275A, 110kW at 400V | 8.4              |     | UUT-27       |
| AF265-30-00-97  | CONTACTOR, 3 POLE, 350A, 75/200/250HP, 100-250VAC/DC (BXR)COIL, 1NO 1NC | 350A                | 10.0             |     | Interpolated |
| 3AXD50000050116 | AF265-30-00-13                                                          | 400A, 140kW at 400V | 10.2             |     | Interpolated |
| AF305-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/305A/250Hp@480V                       | 350A                | 10.0             |     | Interpolated |
| AF370-30-11-13  | CONTACTOR 3Pole/600V/100-250Vcoil/600A/300Hp@480V                       | 600 A               | 10.0             |     | Interpolated |
| AF400-30-11-70  | CONTACTOR, 3 POLE, 550A, 125/350/400HP, 100-250VAC/DC COIL, 1NO 1NC     | 550A                | 27.0             |     | UUT-28       |
| AF460-30-11-70  | CONTACTOR, 3 POLE, 150/400/500HP, 100-250VAC/DC COIL, 1NO 1NC           | 650 A               | 27.0             |     | UUT-28       |

**Table 18c - Certified Subcomponents: Circuit Breakers - Type Code +F255  
(Within Floor/Wall Mounted Units)**

| ABB Part Number        | Description                                                                     | Rating | Weight [ lb ] | MFR | UUT           |
|------------------------|---------------------------------------------------------------------------------|--------|---------------|-----|---------------|
| XT1HU3060AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 60A, UL<br>CURRENT LIMITING, 65KAIC         | 60A    | 3.1           | ABB | Extrapolated  |
| XT1HU3100AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A, UL<br>CURRENT LIMITING, 65KAIC        | 100A   | 3.1           |     | Extrapolated  |
| 3AXD50000049170        | XT1H 100 TMF                                                                    | 100 A  | 3.1           |     | Extrapolated  |
| 3AXD50000049164        | XT1H 15 TMF                                                                     | 15 A   | 3.1           |     | Extrapolated  |
| 3AXD50000049169        | XT1H 60 TMF                                                                     | 65 A   | 3.1           |     | Extrapolated  |
| 3AXD50000049168        | XT1H 35 TMF                                                                     | 35 A   | 3.1           |     | Extrapolated  |
| 3AXD50000136520        | XT2L 70 TMF                                                                     | 70 A   | 3.5           |     | Extrapolated  |
| 3AXD50000136537        | XT2L 100 TMA                                                                    | 100 A  | 3.5           |     | Extrapolated  |
| XT2LU3070AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 70A, UL<br>CURRENT LIMITING, 100KAIC        | 70A    | 3.5           |     | Extrapolated  |
| XT3SU3100AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 100A, UL<br>CURRENT LIMITING, 35KAIC        | 100A   | 4.0           |     | Extrapolated  |
| 3AXD50000049924        | XT3S 225 TMF                                                                    | 225 A  | 4.6           |     | Extrapolated  |
| 3AXD50000049923        | XT3S 125 TMF                                                                    | 125 A  | 4.6           |     | Extrapolated  |
| XT3SU3125AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 125A, UL<br>CURRENT LIMITING, 35KAIC        | 125A   | 4.6           |     | Extrapolated  |
| XT3SU3225AFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 225A, UL<br>CURRENT LIMITING, 35KAIC        | 225A   | 4.6           |     | UUT-27        |
| XT5HU340BBYF000<br>XXX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 400A, UL<br>CURRENT LIMITING                | 400A   | 8.0           |     | Interpolated  |
| XT5HU360BBFF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A, UL<br>CURRENT LIMITING                | 600A   | 8.0           |     | Interpolated  |
| XT5LU360BBYF000X<br>XX | XT CIRCUIT BREAKER, 480VAC, 3 POLE, 600A, UL<br>CURRENT LIMITING                | 600A   | 8.0           |     | Interpolated  |
| 3AXD50000146420        | T5N400E5W                                                                       | 400A   | 8.6           |     | Interpolated  |
| T5L400TW               | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE                                           | 400A   | 11.0          |     | Interpolated  |
| T5N400E5W              | CIRCUIT BREAKER, 600VAC, 400A, 3 POLE, MAGNETIC<br>ONLY, ELECTRONIC MCP, 25KAIC | 400A   | 11.0          |     | Interpolated  |
| T5L600BW               | CIRCUIT BREAKER, 600VAC, 600A, 3 POLE, ELECTRONIC<br>TRIP UNIT, 100KAIC         | 600A   | 11.0          |     | UUT28, UUT-29 |

**Table 19c - Certified Subcomponents: Fuse Blocks  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                             | Rating   | Weight<br>[ lb ] | MFR                | UUT            |
|-----------------|-----------------------------------------|----------|------------------|--------------------|----------------|
| BMM603-1PQ      | 1 POLE FUSE BLOCK -SUPPLEMENTAL, 30A    | 30A      | 0.1              | Cooper<br>Bussmann | Extrapolated   |
| BCM603-2PQ      | 2 POLE FUSE BLOCK - CLASS CC, 30A       | 30A      | 0.2              |                    | Extrapolated   |
| 3AUA0000142370  | 3 Pole, 31-60A, 600VAC, Class T         | 31-60A   | 0.6              |                    | Extrapolated   |
| FU0005A64       | 1 Pole, BSMN T60200-1C, 200A            | 101-200A | 1.0              |                    | Extrapolated   |
| T60200-1C       | 1 POLE FUSE BLOCK - CLASS T, 200A       | 200A     | 1.0              |                    | Extrapolated   |
| T60400-1C       | 1 POLE FUSE BLOCK - CLASS T, 400A       | 400A     | 1.2              |                    | UUT-27         |
| 3AUA0000142380  | 1 Pole, 600VAC, 400A, Class T           | 201-400A | 1.3              |                    | Extrapolated   |
| 3AUA0000142373  | 3 Pole, 61-100A,600V, Class T           | 61-100A  | 1.5              |                    | Extrapolated   |
| T60600-1C       | 1 POLE FUSE BLOCK - CLASS T, 600A       | 600A     | 2.5              |                    | Extrapolated   |
| BCM603-3PQ      | 3 POLE FUSE BLOCK - CLASS CC, 30A       | 30A      | 0.3              |                    | Extrapolated   |
| TM60060-3CR     | 3 POLE FUSE BLOCK - CLASS T, 60A        | 60A      | 0.6              | Littlefuse         | Extrapolated   |
| TM60100-3CR     | 3 POLE FUSE BLOCK - CLASS T, 100A       | 100A     | 1.0              |                    | Extrapolated   |
| LSCR002         | Modular Style Semiconductor Fuse Blocks | 800A     | 1.0              |                    | UUT-28, UUT-29 |

**Table 20c - Certified Subcomponents: Disconnect Switches / Service Switches  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                                                       | Rating | Weight<br>[ lb ] | MFR | UUT          |
|-----------------|-------------------------------------------------------------------|--------|------------------|-----|--------------|
| 3AUA0000049777  | Disconnect Switch                                                 | 100A   | 0.8              | ABB | Extrapolated |
| 3AXD50000049831 | OT30F                                                             | 30A    | 0.8              |     | Extrapolated |
| 3AXD50000049832 | OT60F                                                             | 60A    | 0.8              |     | Extrapolated |
| 3AUA0000019627  | Disconnect Switch                                                 | 200A   | 1.2              |     | Extrapolated |
| OT200U03        | DISCONNECT SWITCH, 200A, 3P, 600VAC, 200HP @ 480V                 | 200A   | 3.3              |     | UUT-27       |
| 3AXD50000139828 | XT2D                                                              | 125A   | 3.5              |     | Interpolated |
| T5H400DW        | MOLDED CASE SWITCH, 600VAC, 400A, 3 POLE,<br>MAGNETIC ONLY, 65KA  | 400A   | 4.2              |     | Interpolated |
| T5L600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3 POLE,<br>MAGNETIC ONLY, 100KA | 600A   | 4.2              |     | Interpolated |
| T5H600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3 POLE,<br>MAGNETIC ONLY, 65KA  | 600A   | 4.2              |     | UUT-28       |
| T5L400DW        | MOLDED CASE SWITCH, 600VAC, 400A, 3 POLE,                         | 400A   | 4.15             |     | Extrapolated |
| T5L600DW        | MOLDED CASE SWITCH, 600VAC, 600A, 3 POLE,                         | 600A   | 4.15             |     | Extrapolated |
| OT400U03        | DISCONNECT SWITCH, 400A, 3P, 600VAC, 250HP @ 480V                 | 400A   | 6.7              |     | Extrapolated |
| 3AXD50000049819 | OT400U03                                                          | 400 A  | 6.7              |     | Extrapolated |

**Table 21c - Certified Subcomponents: Current Transformers  
(Within Floor/Wall Mounted Units)**

| ABB Part Number | Description                                                | Rating | Weight<br>[ lb ] | MFR       | UUT    |
|-----------------|------------------------------------------------------------|--------|------------------|-----------|--------|
| X4150PSF1       | CONTROL TRANSFORMER, 150VA, PRI: 460/230V, SEC:<br>115/24V | 150VA  | 9.0              | ABB       | UUT-27 |
| 9070TF750D1     | XFMR/750 VA/460Vac PRI/120Vac SEC w/FUS                    | 750VA  | 18               | Schneider | UUT-28 |
| 9070TF500D1     | XFMR/500 VA/460Vac PRI/120Vac SEC w/FUS                    | 500VA  | 12.6             |           | UUT-29 |

Table 24 - Option Code Chart for Wall Mounted Units (For Reference Only)

| Description                                                 | Option Code | Description | Weight [ lb ] | UUT                                                                                                   |
|-------------------------------------------------------------|-------------|-------------|---------------|-------------------------------------------------------------------------------------------------------|
| External 24 V DC/AC & Digital I/O Extension (2xRO abd 1xDO) | L501        | CMOD-01     | < 0.3         | Extrapolated                                                                                          |
| External 24 V & Isolated PTC Interface                      | L523        | CMOD-02     | < 0.3         | Extrapolated                                                                                          |
| ATEX Certified PTC Interface & External 24V                 | L537        | CPTC-02     | < 0.3         | Extrapolated                                                                                          |
| Bipolar Analog IO Extension                                 | L500        | CBAI-01     | < 0.2         | Extrapolated                                                                                          |
| 115/230V Digital input (6xDI & 2xRO)                        | L512        | CHDI-01     | < 0.3         | UUT-10                                                                                                |
| Analog I/O Extension                                        | L500        | FIO-11      | < 0.3         | UUT-13                                                                                                |
| Digital I/O Extension                                       | L501        | FIO-01      | < 0.3         | Extrapolated                                                                                          |
| HTL encoder Interface                                       | L502        | FEN-31      | < 0.3         | UUT-13                                                                                                |
| Resolver Interface                                          | L516        | FEN-21      | < 0.3         | Extrapolated                                                                                          |
| TTL Encoder Interface                                       | L517        | FEN-01      | < 0.3         | Extrapolated                                                                                          |
| Absolute Encoder Interface                                  | L518        | FEN-11      | < 0.3         | Extrapolated                                                                                          |
| Digital I/O Extension 2                                     | L526        | FDIO-01     | < 0.3         | UUT-15                                                                                                |
| Analog I/O Extension 2                                      | L525        | FAIO-01     | < 0.3         | UUT-14                                                                                                |
| Thermistor Protection Module                                | L536        | FPTC-01     | < 0.3         | Extrapolated                                                                                          |
| Pulse Encoder Interface                                     | L521        | FSE-31      | < 0.3         | UUT-15                                                                                                |
| DDCS Communication 10/10 MBd                                | L503        | FDCO-01     | < 0.3         | UUT-14                                                                                                |
| DDCS Communication 5/10 MBd                                 | L508        | FDCO-02     | < 0.3         | Extrapolated                                                                                          |
| PROFIBUS-DP                                                 | K454        | FPBA-01     | < 0.3         | UUT-05                                                                                                |
| CANopen                                                     | K457        | FCAN-01     | < 0.3         | Extrapolated                                                                                          |
| DeviceNet                                                   | K451        | FDNA-01     | < 0.3         | UUT-15                                                                                                |
| Modbus/RTU                                                  | K458        | FSCA-01     | < 0.3         | Extrapolated                                                                                          |
| ControlNet                                                  | K462        | FCNA-01     | < 0.3         | UUT-09                                                                                                |
| Ethernet (EtherNet/IP, Modbus/TCP, Profinet)                | K473        | FENA-11     | < 0.3         | Extrapolated                                                                                          |
| EtherCAT                                                    | K469        | FECA-01     | < 0.3         | Extrapolated                                                                                          |
| Ethernet Powerlink                                          | K470        | FEPL-02     | < 0.3         | Extrapolated                                                                                          |
| 2-port Ethernet (EtherNet/IP, Modbus/TCP, Profinet)         | K475        | FENA-21     | < 0.3         | UUT-11                                                                                                |
| Two-Port EtherNet / IP Adapter FEIP-21                      | K490        | FEIP-21     | < 0.3         | Extrapolated                                                                                          |
| BACnet / IP (2-port)                                        | K465        | FBIP-21     | < 0.3         | Extrapolated                                                                                          |
| EtherNet Adapter                                            | K466        | FENA-01     | < 0.3         | Extrapolated                                                                                          |
| Two-Port Modbus / TCP Adapter FMBT-21                       | K491        | FMBT-21     | < 0.3         | Extrapolated                                                                                          |
| Two-Port Profinet / I/O Adapter FPNO-21                     | K492        | FPNO-21     | < 0.3         | Extrapolated                                                                                          |
| Safety Functions Fieldbus Module FSPS-21                    | Q986        | FSPS-21     | < 0.3         | UUT-14                                                                                                |
| LonWorks                                                    | K452        | FLON-01     | < 0.3         | UUT-10                                                                                                |
| Functional Safety Module                                    | Q973        | FSO-12      | < 0.3         | Extrapolated                                                                                          |
| Functional Safety Module - Requires FSE Safe Direction      | Q972        | FSO-21      | < 0.3         | UUT-13                                                                                                |
| ACH580 H&-Off-Auto Control Panel                            | J400        | ACH-AP-H    | < 0.2         | UUT-01, UUT-02, UUT-03, UUT-05, UUT-06, UUT-07, UUT-08, UUT-09, UUT-10, UUT-11, UUT-12                |
| Control Panel with Bluetooth Interface                      | J429        | ACH-AP-W    | < 0.2         | Interpolated                                                                                          |
| Assistant Control Panel (Standard)                          | J400        | AS-AP-S     | < 0.2         | Interpolated                                                                                          |
| Assistant Control Panel                                     | J425        | ACS-AP-I    | < 0.2         | Interpolated                                                                                          |
| Basic Control Panel                                         | J404        | ACS-BP-S    | < 0.2         | Interpolated                                                                                          |
| Assistant Control Panel with Bluetooth Interface            | J429        | ACS-AP-W    | < 0.2         | UUT-04, UUT-13, UUT-14, UUT-15                                                                        |
| Blank Control Panel Cover (No Control Panel)                | J424        | CDUM-01     | < 0.2         | Extrapolated                                                                                          |
| Panel Bus Adapter                                           | -           | CDPI-01     | < 0.2         | UUT - 09, UUT - 10                                                                                    |
| UL Type 12 / IP 55                                          | B056        | NA          | NA            | UUT-02, UUT-04, UUT-08, UUT-11, UUT-15, UUT-36A,B, UUT-37A,B                                          |
| UL Type 3R                                                  | B058        | NA          | NA            | UUT-10                                                                                                |
| UL Type 4X                                                  | B066        | NA          | NA            | UUT-32A,B, UUT-34A,B                                                                                  |
| IP66                                                        | B063        | NA          | NA            | Extrapolated                                                                                          |
| Service Switch                                              | F267        | NA          | NA            | UUT-05, UUT-06, UUT-09, UUT-10, UUT-11, UUT-21, UUT-34A,B, UUT-35A,B, UUT-36, UUT-37 , UUT-38, UUT-39 |
| Disconnect Switch and Fuse                                  | F254        | NA          | NA            | UUT-32A,B, UUT-33A,B, UUT-34A,B, UUT-35A,B                                                            |
| Disconnect Switch                                           | F267        | NA          | NA            | Extrapolated                                                                                          |
| Sun Shield                                                  | C193        | NA          | 8.6           | UUT-32A,B, UUT-34A,B                                                                                  |
| EMC / Common Mode Filters                                   | Exxx        | NA          | NA            | UUT-04, UUT-13, UUT-14, UUT-15                                                                        |
| Resistor Braking                                            | Dxxx        | NA          | NA            | UUT-13, UUT-15                                                                                        |
| Cabinet Mounting Option                                     | P94x        | NA          | NA            | UUT-09, UUT-10, UUT-11                                                                                |
| Flange Mount Option                                         | C135        | NA          | NA            | UUT-12, UUT-13,UUT-33A,B, UUT-35A,B                                                                   |

Note: 1. ABB is the manufacturer for all units.  
2. All units were tested rigid and isolated  
3. Type Codes are appended to Model Numbers from Certified Product Table

UUT Summary Sheet Index

| UUT | Model Number                              | Nominal<br>Current Rating<br>[ A ] | Test<br>Lab | Test Report<br>Written by | Test Report<br>Number | Test Date                   | Mounting<br>Configuration | Attachment<br>Location | S <sub>DS</sub><br>z/h=0 | S <sub>DS</sub><br>z/h=1 |
|-----|-------------------------------------------|------------------------------------|-------------|---------------------------|-----------------------|-----------------------------|---------------------------|------------------------|--------------------------|--------------------------|
| 1A  | ACH580-01-044A-4                          | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 1B  | ACH580-01-044A-4                          | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 2A  | ACH580-01-414A-4                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 2B  | ACH580-01-414A-4                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 3A  | ACH580-31-023A-4                          | 23                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 3B  | ACH580-31-023A-4                          | 23                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 4A  | ACS880-11-180A-5                          | 180                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 4B  | ACS880-11-180A-5                          | 180                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 5A  | ACH580-VCR-012A-4                         | 12                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 5B  | ACH580-VCR-012A-4                         | 12                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 6A  | ACH580-VCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 6B  | ACH580-VCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 7A  | ACH580-PCR-044A-4                         | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 7B  | ACH580-PCR-044A-4                         | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 7C  | ACH580-PCR-044A-4                         | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 7D  | ACH580-PCR-044A-4                         | 44                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 8A  | ACH580-PCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 8B  | ACH580-PCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 8C  | ACH580-PCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 8D  | ACH580-PCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 9A  | ACH580-BCR-023A-4                         | 23                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 9B  | ACH580-BCR-023A-4                         | 23                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 10A | ACH580-BCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 10B | ACH580-BCR-065A-4                         | 65                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 11A | ACH580-BCR-240A-4                         | 240                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 11B | ACH580-BCR-240A-4                         | 240                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 12A | ACH580-01-096A-4                          | 96                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 12B | ACH580-01-096A-4                          | 96                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 13A | ACS880-01-414A-5                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 13B | ACS880-01-414A-5                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 14A | ACS880-01-034A-5                          | 34                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 14B | ACS880-01-034A-5                          | 34                                 | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 15A | ACS880-01-414A-5                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 15B | ACS880-01-414A-5                          | 414                                | DCL         | DCL                       | DCL-30686-1801 Rev01  | Jun 11-14, 2018             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 16A | ACH580-BCR-096A-4+E213 (BX1-4)            | 96                                 | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 16B | ACH580-BCR-096A-4+E213 (BX1-4)            | 96                                 | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 17  | ACH580-BCR-240A-4+E213 (BX1-6)            | 240                                | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Rigid                     | Floor                  | 2.5                      | 2.0                      |
| 18A | ACH580-PCR-273A-2+E213 (BX1-5)            | 273                                | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 18B | ACH580-PCR-273A-2+E213 (BX1-5)            | 273                                | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 19  | ACH580-PCR-414A-4+B058+E213 (PXB3R-5)     | 414                                | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Rigid                     | Floor                  | 2.5                      | 2.0                      |
| 20  | ACH580-BCR-414A-4+B058+E213+F267 (BX3R-6) | 414                                | DCL         | DCL                       | DCL-13085-2001        | Oct 20-22 & Dec 14-15, 2020 | Rigid                     | Floor                  | 2.5                      | 2.0                      |
| 21A | ACH580-VCR-077A-6                         | 77                                 | DCL         | DCL                       | DCL-31063-1901        | July 23, 2019               | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 21B | ACH580-VCR-077A-6                         | 77                                 | DCL         | DCL                       | DCL-31063-1901        | July 23, 2019               | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 22A | ACH580-3BCR-07A6-4                        | 7                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 22B | ACH580-3BCR-07A6-4                        | 7                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 23A | ACH580-3BCR-077A-4                        | 77                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |

UUT Summary Sheet Index

| UUT | Model Number                | Nominal<br>Current Rating<br>[ A ] | Test<br>Lab | Test Report<br>Written by | Test Report<br>Number | Test Date                   | Mounting<br>Configuration | Attachment<br>Location | S <sub>DS</sub><br>z/h=0 | S <sub>DS</sub><br>z/h=1 |
|-----|-----------------------------|------------------------------------|-------------|---------------------------|-----------------------|-----------------------------|---------------------------|------------------------|--------------------------|--------------------------|
| 23B | ACH580-3BCR-077A-4          | 77                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 24A | ACH580-3PCR-180A-4          | 180                                | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 24B | ACH580-3PCR-180A-4          | 180                                | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 25A | ACH580-3PCR-07A6-4          | 7                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 25B | ACH580-3PCR-07A6-4          | 7                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 26A | ACH580-3PCR-077A-4          | 77                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 26B | ACH580-3PCR-077A-4          | 77                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 27  | ACH580-3BCR-180A-4          | 180                                | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Combined Wall/Floor    | 2.5                      | 2.0                      |
| 28  | ACH580-3BCR-477A-4          | 477                                | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Combined Wall/Floor    | 2.5                      | 2.0                      |
| 29  | ACH580-3PCR-477A-4          | 477                                | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Combined Wall/Floor    | 2.5                      | 2.0                      |
| 30A | ACS180-04S-04A8-2           | 4                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 30B | ACS180-04S-03A7-2           | 3                                  | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 31A | ACH180-045-050A-4           | 50                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 31B | ACH180-045-050A-4           | 50                                 | DCL         | DCL                       | DCL-18720-2201        | Dec 5-8, 2022 & Jan 12 2023 | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 32A | ACS580-01-017A-2            | 17                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 32B | ACS580-01-017A-2            | 17                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 33A | ACS580-01-017A-2            | 17                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 33B | ACS580-01-017A-2            | 17                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 34A | ACS580-01-059A-2            | 59                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 34B | ACS580-01-059A-2            | 59                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 35A | ACS580-01-059A-2            | 59                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 35B | ACS580-01-059A-2            | 59                                 | DCL         | DCL                       | DCL-22569-2301b       | Jun 20-21, 2024             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 36A | ACH580-VCR-012A-4+B056+F267 | 12                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 36B | ACH580-VCR-012A-4+B056+F267 | 12                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 37A | ACH580-VCR-077A-4+B056+F267 | 77                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 37B | ACH580-VCR-077A-4+B056+F267 | 77                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 38A | ACH580-3BCR-023A-4+F267     | 23                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 38B | ACH580-3BCR-023A-4+F267     | 23                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Isolated                  | Wall                   | 2.5                      | 2.0                      |
| 39A | ACH580-3BCR-077A-4+F267     | 77                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Rigid                     | Wall                   | 2.5                      | 2.0                      |
| 39B | ACH580-3BCR-077A-4+F267     | 77                                 | DCL         | DCL                       | DCL-26845-2501        | Jul 15-16, 2025             | Isolated                  | Wall                   | 2.5                      | 2.0                      |



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 26                | 9.0               | 8.0   | 19.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-1A was mounted directly to the wall fixture using (4) 10-32 bolts (gradeless).



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 26                | 9.0               | 8.0   | 19.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | $S_{DS}$ | $z/h$ | $I_p$ | $A_{FLX-H}$ | $A_{RIG-H}$ | $A_{FLX-V}$ | $A_{RIG-V}$ |
|---------------|---------------|----------|-------|-------|-------------|-------------|-------------|-------------|
| CBC 2022      | ICC-ES AC156  | 2.00     | 1.0   | 1.5   | 3.20        | 2.40        | -           | -           |
|               |               | 2.50     | 0.0   | 1.5   | -           | -           | 1.68        | 0.68        |

## Test Mounting Details

UUT-1B was mounted to the wall fixture using (4) 10-32 bolts (gradeless). The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-2A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-414A-4 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 216               | 15.0              | 19.0  | 38.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-2A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-2B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-414A-4 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 216               | 15.0              | 19.0  | 38.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-2B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-3A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-31-023A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 44                | 8.0               | 14.0  | 20.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-3A was mounted directly to the wall fixture using (4) 10-32 bolts (gradeless).



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-3B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-31-023A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 44                | 8.0               | 14.0  | 20.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-3B was mounted to the wall fixture using (4) 10-32 bolts (gradeless). The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-4A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-11-180A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 268               | 20.0              | 12.0  | 38.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-4A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-4B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-11-180A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 268               | 20.0              | 12.0  | 38.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-4B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-5A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-012A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R1 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 30                | 9.0               | 5.0   | 40.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-5A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-5B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-012A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R1 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Disconnects: ABB

## UUT Properties

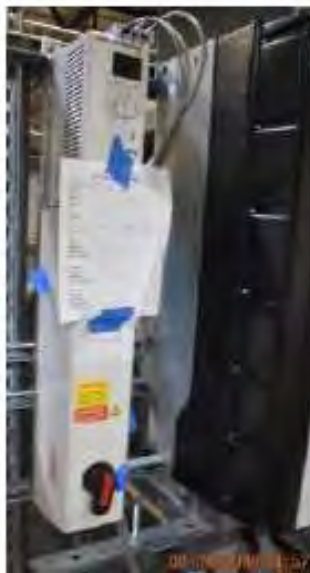
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 30                | 9.0               | 5.0   | 40.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-5B was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-6A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 86                | 10.0              | 8.0   | 56.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-6A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-6B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 86                | 10.0              | 8.0   | 56.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-6B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-7A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R3 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Circuit Breakers: ABB; Accessories: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 39                | 12.0              | 8.0   | 34.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-7A was mounted directly to the wall fixture using (6) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-7B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R3 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Circuit Breakers: ABB; Accessories: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 39                | 12.0              | 8.0   | 34.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-7B was mounted to the wall fixture using (6) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-7C

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Plastic R3 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Circuit Breakers: ABB; Accessories: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 39                | 12.0              | 8.0   | 34.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-7C was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-7D

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-044A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Plastic R3 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Circuit Breakers: ABB; Accessories: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 39                | 12.0              | 8.0   | 34.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-7D was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-8A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 13.0              | 8.0   | 39.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-8A was mounted directly to the wall fixture using (6) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-8B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 13.0              | 8.0   | 39.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-8B was mounted to the wall fixture using (6) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-8C

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 13.0              | 8.0   | 39.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-8C was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-8D

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-PCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 13.0              | 8.0   | 39.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-8D was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-9A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-023A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R2 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 84                | 12.0              | 17.0  | 33.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-9A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-9B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-023A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R2 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 84                | 12.0              | 17.0  | 33.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-9B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-10A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 3R Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 190               | 15.0              | 21.0  | 41.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-10A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-10B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-065A-4 | ABB          |

## Product Construction Summary

Plastic Type 3R Enclosure with Carbon Steel R4 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 190               | 15.0              | 21.0  | 41.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-10B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-11A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-240A-4 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Carbon Steel R8 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 358               | 18.0              | 28.0  | 47.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-11A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-11B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-BCR-240A-4 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Carbon Steel R8 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Fans: Delta Products / NMB Technologies; Circuit Breakers: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 358               | 18.0              | 28.0  | 47.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-11B was mounted to the wall fixture using (4) 3/8" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-12A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-096A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 12.0              | 8.0   | 25.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-12A was mounted directly to the wall fixture using (16) 1/4" diameter self-tapping screws.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-12B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACH580-01-096A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 59                | 12.0              | 8.0   | 25.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-12B was mounted to the wall fixture using (16) 1/4" diameter self-tapping screws. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4 Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-13A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-414A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 205               | 16.0              | 14.0  | 27.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-13A was mounted directly to the wall fixture using (18) 1/4" diameter self-tapping screws.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-13B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-414A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 205               | 16.0              | 14.0  | 27.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-13B was mounted to the wall fixture using (18) 1/4" diameter self-tapping screws. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4 Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-14A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-034A-5 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 24                | 10.0              | 7.0   | 13.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-14A was mounted directly to the wall fixture using (4) 10-32 bolts (gradeless).



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-14B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-034A-5 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 24                | 10.0              | 7.0   | 13.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-14B was mounted to the wall fixture using (4) 10-32 bolts (gradeless). The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-15A

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-414A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 225               | 19.0              | 15.0  | 37.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-15A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-15B

Test Report: DCL-30686-1801 Rev01

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx880     | ACS880-01-414A-5 | ABB          |

## Product Construction Summary

Plastic Type 12 Enclosure with Drip Hood

## Options / Subcomponent Summary

Variable Frequency Drive: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 225               | 19.0              | 15.0  | 37.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-15B was mounted to the wall fixture using (4) 5/16" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-16A

Test Report: DCL-13085-2001

| Model Line | Model Number                   | Manufacturer |
|------------|--------------------------------|--------------|
| ACx580     | ACH580-BCR-096A-4+E213 (BX1-4) | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Contactors: ABB; Breakers: ABB; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 243               | 19.0              | 19.5  | 62.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-16A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-16B

Test Report: DCL-13085-2001

| Model Line | Model Number                   | Manufacturer |
|------------|--------------------------------|--------------|
| ACx580     | ACH580-BCR-096A-4+E213 (BX1-4) | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Contactors: ABB; Breakers: ABB; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 243               | 19.0              | 19.5  | 62.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-16B was mounted to the wall fixture using (4) 3/8" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-17

Test Report: DCL-13085-2001

| Model Line | Model Number                   | Manufacturer |
|------------|--------------------------------|--------------|
| ACx580     | ACH580-BCR-240A-4+E213 (BX1-6) | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Base Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Contactors: ABB; Breakers: ABB; Fuse Blocks: Bussmann Cooper; Filters: PFANNENBERG; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

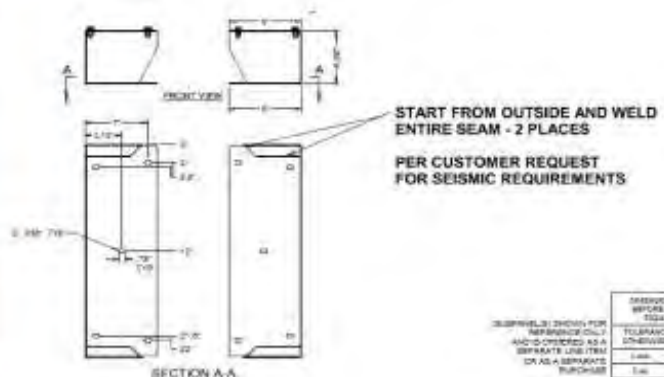
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |      |
|-------------------|-------------------|-------|--------|--------------------------|-----|------|
|                   | Length            | Width | Height | F-B                      | S-S | V    |
| 720               | 25.0              | 32.0  | 78.0   | 11.5                     | 8.0 | 28.5 |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-17 was rigidly mounted to the shake table using (10) 3/8" diameter Grade 8 bolts, (10) 1.5"x1.5"x3/16" washers, and (10) round washers in the manufacturer-provided mounting locations. DCRs: Prior to shake testing, the unit mounting feet were found to be of insufficient design and are required to have thicker sheet metal and additional mounting holes.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-18A

Test Report: DCL-13085-2001

| Model Line | Model Number                   | Manufacturer |
|------------|--------------------------------|--------------|
| ACx580     | ACH580-PCR-273A-2+E213 (BX1-5) | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Breakers: ABB; Fuse Blocks: Bussmann Cooper; Filters: PFANNENBERG; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 443               | 20.5              | 35.0  | 62.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-18A was mounted directly to the wall fixture using (4) 1/2" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-18B

Test Report: DCL-13085-2001

| Model Line | Model Number                   | Manufacturer |
|------------|--------------------------------|--------------|
| ACx580     | ACH580-PCR-273A-2+E213 (BX1-5) | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Breakers: ABB; Fuse Blocks: Bussmann Cooper; Filters: PFANNENBERG; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 443               | 20.5              | 35.0  | 62.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-18B was mounted to the wall fixture using (4) 1/2" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-19

Test Report: DCL-13085-2001

| Model Line | Model Number                          | Manufacturer |
|------------|---------------------------------------|--------------|
| ACx580     | ACH580-PCR-414A-4+B058+E213 (PXB3R-5) | ABB          |

## Product Construction Summary

Carbon Steel Type 3R Base Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Contactors: ABB; Breakers: ABB; Fuse Blocks: Bussmann Cooper; Filters: PFANNENBERG; Current Transformers: ABB, Reactors: TCI;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |      |       |
|-------------------|-------------------|-------|--------|--------------------------|------|-------|
|                   | Length            | Width | Height | F-B                      | S-S  | V     |
| 720               | 32.0              | 44.3  | 78.0   | 9.0                      | 20.0 | >33.3 |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-19 was rigidly mounted to the shake table using (10) 3/8" diameter Grade 8 bolts, (10) 1.5"x1.5"x3/16" washers, and (10) round washers in the manufacturer-provided mounting locations. DCRs: Prior to shake testing, the unit mounting feet were found to be of insufficient design and are required to have thicker sheet metal and additional mounting holes.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-20

Test Report: DCL-13085-2001

| Model Line | Model Number                              | Manufacturer |
|------------|-------------------------------------------|--------------|
| ACx580     | ACH580-BCR-414A-4+B058+E213+F267 (BX3R-6) | ABB          |

## Product Construction Summary

Carbon Steel Type 3R Base Mounted Enclosure

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Enclosure: ABB; Fuses: Bussmann Cooper; Terminal Blocks: ENTRELEC; Fans: PFANNENBERG; Contactors: ABB; Breakers: ABB; Fuse Blocks: Bussmann Cooper; Filters: PFANNENBERG; Current Transformers: ABB; Reactors: TCI;

## UUT Properties

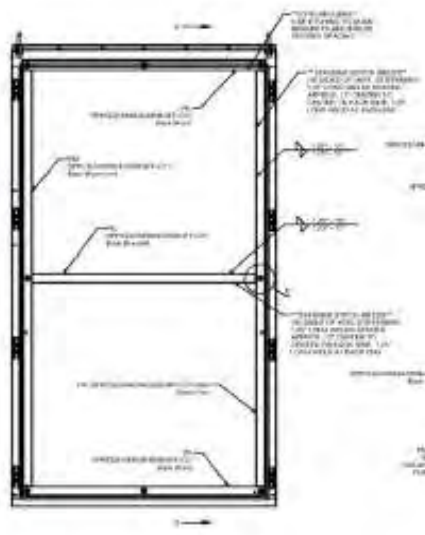
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |       |
|-------------------|-------------------|-------|--------|--------------------------|-----|-------|
|                   | Length            | Width | Height | F-B                      | S-S | V     |
| 1,170             | 28.5              | 55.0  | 84.0   | 10.0                     | 7.0 | >33.3 |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-20 was rigidly mounted to the shake table using (4) 7/16" diameter Grade 8 bolts, round washers, and (4) 1.75"x1.75"x1/4" Carbon Steel plate washers in the manufacturer-provided mounting locations. DCRs: Prior to testing, the subcomponent mounting panel was found to be insufficient. Channels must be added to increase panel support.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-21A

Test Report: DCL-31063-1901

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-077A-6 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R5 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fuse Blocks: Bussmann Cooper; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 116               | 12.0              | 8.0   | 56.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-21A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-21B

Test Report: DCL-31063-1901

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx580     | ACH580-VCR-077A-6 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure with Carbon Steel R5 Base

## Options / Subcomponent Summary

Variable Frequency Drive: ABB; Fuses: Bussmann Cooper; Terminal Blocks: Bussmann Cooper; Fuse Blocks: Bussmann Cooper; Disconnects: ABB; Contactors: ABB; Circuit Breakers: ABB Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 116               | 12.0              | 8.0   | 56.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-21B was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-22A

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-07A6-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 138               | 18.0              | 17.0  | 49.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-22A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-22B**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-07A6-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 138               | 18.0              | 17.0  | 49.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-22B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-23A

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-077A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 273               | 19.3              | 19.5  | 62.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-23A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-23B**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-077A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: ABB;

## UUT Properties

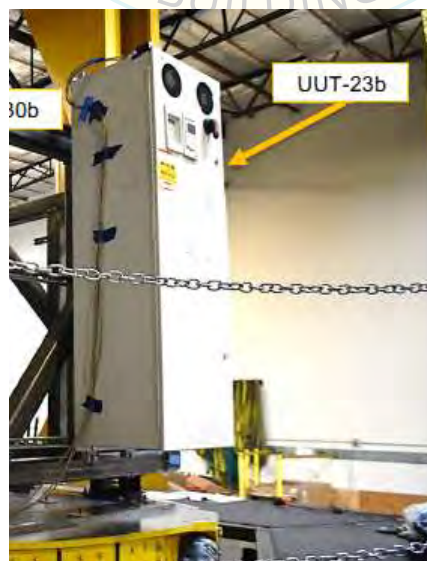
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 273               | 19.3              | 19.5  | 62.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-23B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-24A

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-180A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 409               | 21.1              | 19.4  | 61.8   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-24A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-24B

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-180A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 409               | 21.1              | 19.4  | 61.8   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-24B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-25A**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-07A6-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fuse Block: Cooper Bussman;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 68                | 18.0              | 9.0   | 37.8   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-25A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-25B**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-07A6-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fuse Block: Cooper Bussman;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 68                | 18.0              | 9.0   | 37.8   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-25B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-26A**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-077A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Circuit Breaker: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 180               | 19.0              | 10.8  | 51.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-26A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-26B**

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-077A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Circuit Breaker: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 180               | 19.0              | 10.8  | 51.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-26B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators. The isolators were connected to the wall fixture using (1) 3/4" Grade 5 bolt each, and were connected to the shake table using (4) 1/2" diameter Grade 5 bolts per isolator.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-27

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-180A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Base Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: ABB;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 550               | 20.5              | 34.8  | 73.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-27 was mounted directly to the shake table with (6) 3/8" Grade 5 bolts and attached to the wall fixture with (2) 3/8" Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-28

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3BCR-477A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Base Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Rittal; Contactors: ABB; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Disconnect Switches: ABB; Current Transformer: Schneider;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 1,440             | 25.8              | 55.0  | 91.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-28 was mounted directly to the shake table with (5) 3/8" Grade 5 bolts and attached to the wall fixture with (4) 3/8" Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-29

Test Report: DCL-18720-2201

| Model Line | Model Number       | Manufacturer |
|------------|--------------------|--------------|
| ACx580     | ACH580-3PCR-477A-4 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Base Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fan: Rittal; Circuit Breaker: ABB; Fuse Block: Cooper Bussman; Current Transformer: Schneider;

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 1,290             | 25.8              | 47.0  | 91.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-29 was mounted directly to the shake table with (5) 3/8" Grade 5 bolts and attached to the wall fixture with (4) 3/8" Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-30A

Test Report: DCL-18720-2201

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx180     | ACS180-04S-04A8-2 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure Wall Mounted Enclosure

## Options / Subcomponent Summary

N/A

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 2                 | 5.5               | 2.8   | 7.0    | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-30A was mounted directly to the wall fixture using (2) #10 bolts (gradeless).



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-30B**

Test Report: DCL-18720-2201

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx180     | ACS180-04S-03A7-2 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure Wall Mounted Enclosure

## Options / Subcomponent Summary

N/A

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 2                 | 5.8               | 2.8   | 7.5    | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-30B was mounted to the wall fixture using (2) #10 bolts (gradeless). The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-31A

Test Report: DCL-18720-2201

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx180     | ACH180-045-050A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure Wall Mounted Enclosure

## Options / Subcomponent Summary

N/A

## UUT Properties

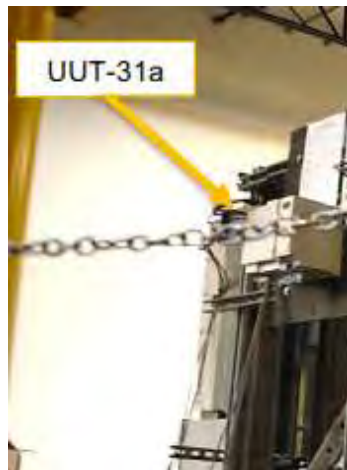
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 12                | 7.0               | 10.3  | 9.3    | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-31A was mounted directly to the wall fixture using (4) #10 bolts (gradeless).



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-31B

Test Report: DCL-18720-2201

| Model Line | Model Number      | Manufacturer |
|------------|-------------------|--------------|
| ACx180     | ACH180-045-050A-4 | ABB          |

## Product Construction Summary

Plastic Type 1 Enclosure Wall Mounted Enclosure

## Options / Subcomponent Summary

N/A

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 12                | 7.0               | 10.3  | 9.3    | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.68               | 0.68               |

## Test Mounting Details

UUT-31B was mounted to the wall fixture using (4) #10 bolts (gradeless). The wall fixture was isolated using (4) VMC Group MSSH-1E-530N spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-32A**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-017A-2 | ABB          |

## Product Construction Summary

Plastic Type 4X Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Sun Shield: ABB

## UUT Properties

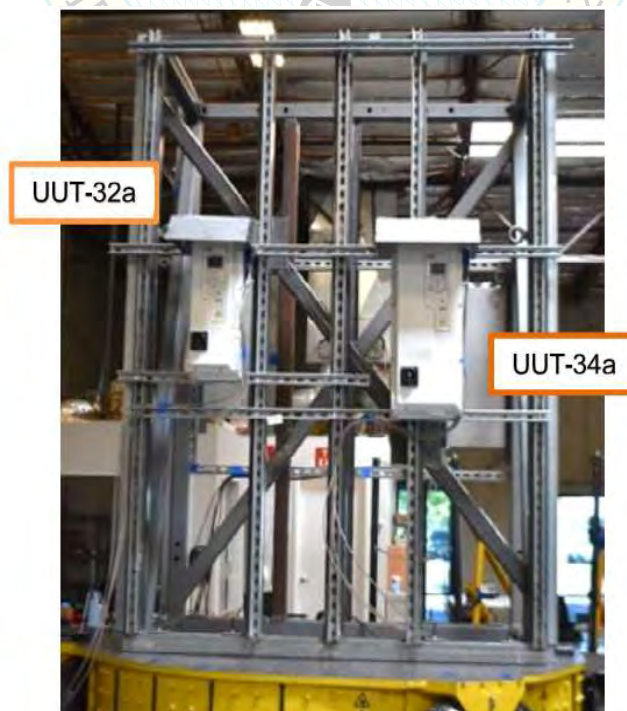
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 34.8              | 12.0              | 16.0  | 24.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-32A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-32B**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-017A-2 | ABB          |

## Product Construction Summary

Plastic Type 4X Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Sun Shield: ABB

## UUT Properties

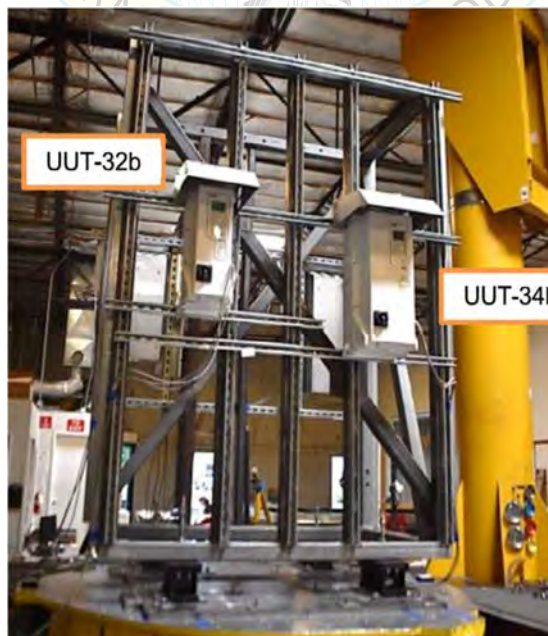
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 34.8              | 12.0              | 16.0  | 24.0   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-32B was mounted to the wall fixture using (4) 1/4" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-1400 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-33A

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-017A-2 | ABB          |

## Product Construction Summary

Carbon Steel Type 4X Enclosure with Flange Mounting Option

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Flange Mount Option: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 32.8              | 10.8              | 9.0   | 25.3   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-33A was mounted directly to the wall fixture using (8) M7 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-33B**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-017A-2 | ABB          |

## Product Construction Summary

Carbon Steel Type 4X Enclosure with Flange Mounting Option

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Flange Mount Option: ABB

## UUT Properties

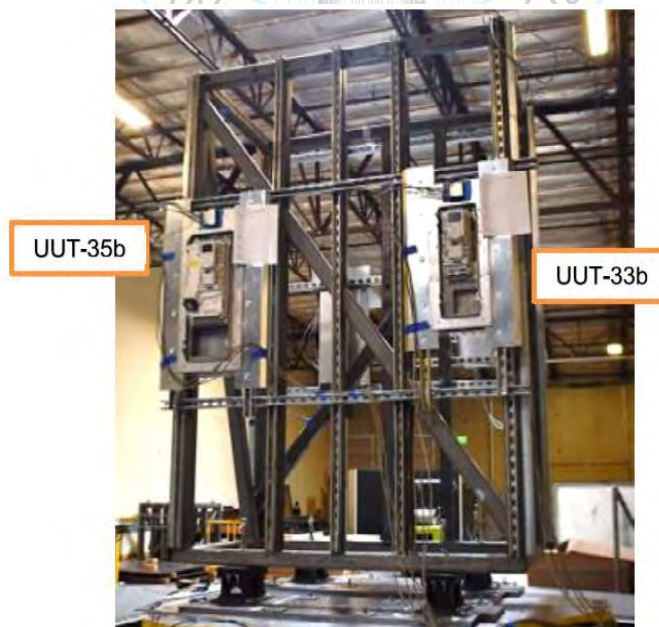
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 32.8              | 10.8              | 9.0   | 25.3   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-33B was mounted to the wall fixture using (8) M7" diameter Grade bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-1400 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-34A**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-059A-2 | ABB          |

## Product Construction Summary

Plastic Type 4X Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Sun Shield: ABB

## UUT Properties

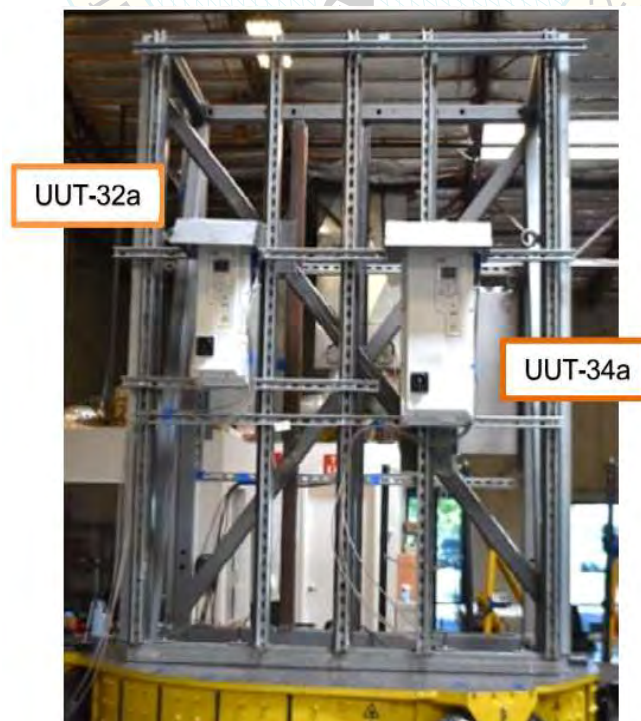
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 63                | 15.3              | 16.4  | 29.3   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-34A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-34B**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-059A-2 | ABB          |

## Product Construction Summary

Plastic Type 4X Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussman; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Sun Shield: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 63                | 15.3              | 16.4  | 29.3   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-34B was mounted to the wall fixture using (4) 1/4" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-1400 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-35A

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-059A-2 | ABB          |

## Product Construction Summary

Carbon Steel Type 4X Enclosure with Flange Mounting Option

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Flange Mount Option: ABB

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 61.4              | 13.3              | 10.0  | 31.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-35A was mounted directly to the wall fixture using (10) M7 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-35B**

Test Report: DCL-22569-2301b

| Model Line | Model Number     | Manufacturer |
|------------|------------------|--------------|
| ACx580     | ACS580-01-059A-2 | ABB          |

## Product Construction Summary

Carbon Steel Type 4X Enclosure with Flange Mounting Option

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fuse Blocks: Cooper Bussmann; Disconnect Switch and Fuse: ABB; Flange Mount Option: ABB

## UUT Properties

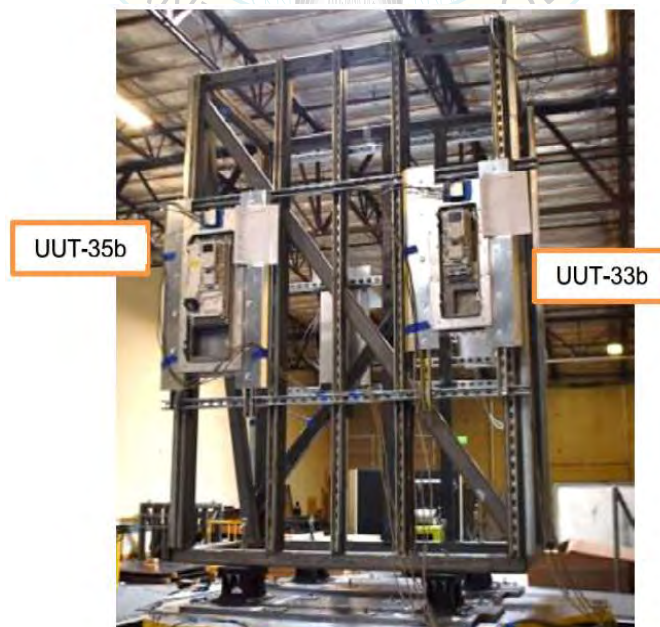
| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 61.4              | 13.3              | 10.0  | 31.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-35B was mounted to the wall fixture using (10) M7" diameter Grade bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-1400 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-36A

Test Report: DCL-26845-2501

| Model Line                       | Model Number                | Manufacturer |
|----------------------------------|-----------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-VCR-012A-4+B056+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 12 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fans: NMB Technologies; Contactors: ABB; Circuit Breakers: ABB; Disconnect Switches: ABB; Current Transformer: ABB; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 46.0              | 6.5               | 10.3  | 44.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-36A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-36B

Test Report: DCL-26845-2501

| Model Line                       | Model Number                | Manufacturer |
|----------------------------------|-----------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-VCR-012A-4+B056+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 12 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fans: NMB Technologies; Contactors: ABB; Circuit Breakers: ABB; Disconnect Switches: ABB; Current Transformer: ABB; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 46.0              | 6.5               | 10.3  | 44.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-36B was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-650 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-37A

Test Report: DCL-26845-2501

| Model Line                       | Model Number                | Manufacturer |
|----------------------------------|-----------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-VCR-077A-4+B056+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 12 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Littelfuse; Fans: NMB Technologies; Contactors: ABB; Circuit Breaker: ABB; Fuse Blocks: Littelfuse; Disconnect Switches: ABB; Current Transformer: Teamwise Electronic Co; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 110.0             | 9.5               | 11.3  | 57.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-37A was mounted directly to the wall fixture using (4) 1/4" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-37B

Test Report: DCL-26845-2501

| Model Line                       | Model Number                | Manufacturer |
|----------------------------------|-----------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-VCR-077A-4+B056+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 12 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Littelfuse; Fans: NMB Technologies; Contactors: ABB; Circuit Breaker: ABB; Fuse Blocks: Littelfuse; Disconnect Switches: ABB; Current Transformer: Teamwise Electronic Co; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 110.0             | 9.5               | 11.3  | 57.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-37B was mounted to the wall fixture using (4) 1/4" diameter Grade 8 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-650 spring isolators.



UUT-37b

All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-38A

Test Report: DCL-26845-2501

| Model Line                       | Model Number            | Manufacturer |
|----------------------------------|-------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-3BCR-023A-4+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann/Littelfuse; Fans: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Blocks: Cooper Bussmann; Disconnect Switches: ABB; Current Transformer: ABB; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 128.0             | 15.3              | 15.0  | 42.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-38A was mounted directly to the wall fixture using (4) 5/16" diameter Grade 5 bolts.

UUT-38a



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-38B**

Test Report: DCL-26845-2501

| Model Line                       | Model Number            | Manufacturer |
|----------------------------------|-------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-3BCR-023A-4+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann/Littelfuse; Fans: Mechatronics; Contactors: ABB; Circuit Breaker: ABB; Fuse Blocks: Cooper Bussmann; Disconnect Switches: ABB; Current Transformer: ABB; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 128.0             | 15.3              | 15.0  | 42.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-38B was mounted to the wall fixture using (4) 5/16" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-650 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-39A

Test Report: DCL-26845-2501

| Model Line                       | Model Number            | Manufacturer |
|----------------------------------|-------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-3BCR-077A-4+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fans: Mechatronics; Contactors: ABB; Circuit Breakers: ABB; Fuse Blocks: Littelfuse; Disconnect Switches: ABB; Current Transformer: ABB/Teamwise Electronic Co; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 249.0             | 19.3              | 17.3  | 44.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-39A was mounted directly to the wall fixture using (4) 3/8" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-39B

Test Report: DCL-26845-2501

| Model Line                       | Model Number            | Manufacturer |
|----------------------------------|-------------------------|--------------|
| ACH580 Variable Frequency Drives | ACH580-3BCR-077A-4+F267 | ABB          |

## Product Construction Summary

Carbon Steel Type 1 Wall Mounted Enclosure

## Options / Subcomponent Summary

VFD: ABB; Fuses: Cooper Bussmann; Fans: Mechatronics; Contactors: ABB; Circuit Breakers: ABB; Fuse Blocks: Littlefuse; Disconnect Switches: ABB; Current Transformer: ABB/Teamwise Electronic Co; Refer to Certified Product Subcomponent Table for Detailed Listing

## UUT Properties

| Weight<br>[ lbs ] | Dimensions [ in ] |       |        | Lowest Nat. Freq. [ Hz ] |     |     |
|-------------------|-------------------|-------|--------|--------------------------|-----|-----|
|                   | Length            | Width | Height | F-B                      | S-S | V   |
| 249.0             | 19.3              | 17.3  | 44.5   | N/A                      | N/A | N/A |

## UUT Highest Passed Seismic Run Information

| Building Code | Test Criteria | S <sub>DS</sub> | z/h | I <sub>p</sub> | A <sub>FLX-H</sub> | A <sub>RIG-H</sub> | A <sub>FLX-V</sub> | A <sub>RIG-V</sub> |
|---------------|---------------|-----------------|-----|----------------|--------------------|--------------------|--------------------|--------------------|
| CBC 2022      | ICC-ES AC156  | 2.00            | 1.0 | 1.5            | 3.20               | 2.40               | -                  | -                  |
|               |               | 2.50            | 0.0 | 1.5            | -                  | -                  | 1.67               | 0.67               |

## Test Mounting Details

UUT-39B was mounted to the wall fixture using (4) 3/8" diameter Grade 5 bolts. The wall fixture was isolated using (4) VMC Group MSSH-1E-650 spring isolators.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.