



**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-0249

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Johnson Controls

Manufacturer's Technical Representative: Cameron Boyce

Mailing Address: 5005 York Drive, Norman, OK 73069

Telephone: (405) 419-6830

Email: Cameron.w.boyce@jci.com

Product Information

Product Name: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Model Number(s): See attachment

Product Category: Air Conditioning Units

Product Sub-Category: Air Conditioning Units - Packaged

General Description: The York Small Sunline / JCI 5 Series Family / FJ ReliaCore 100 / TempMaster OmniCore 100 family consists of air cooled, outdoor mounted, packaged, cooling and heat pump units in cooling capacities of 3, 4, 5, and 6 tons. The units are factory-available as cooling only (CO), CO with electric heat, CO with gas heat, and heat pump models with or without electric heat.

Mounting Description: Rigid or Isolated Roof Curbs, Base Mounted

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Dynamic Certification Laboratories

Contact Person: Rachel Wolfe

Mailing Address: 1315 Greg Street, Sparks, NV 89431

Telephone: (775) 358-5085

Email: rachel.wolfe@shaketest.com

Title: Seismic Test Engineer





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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): _____

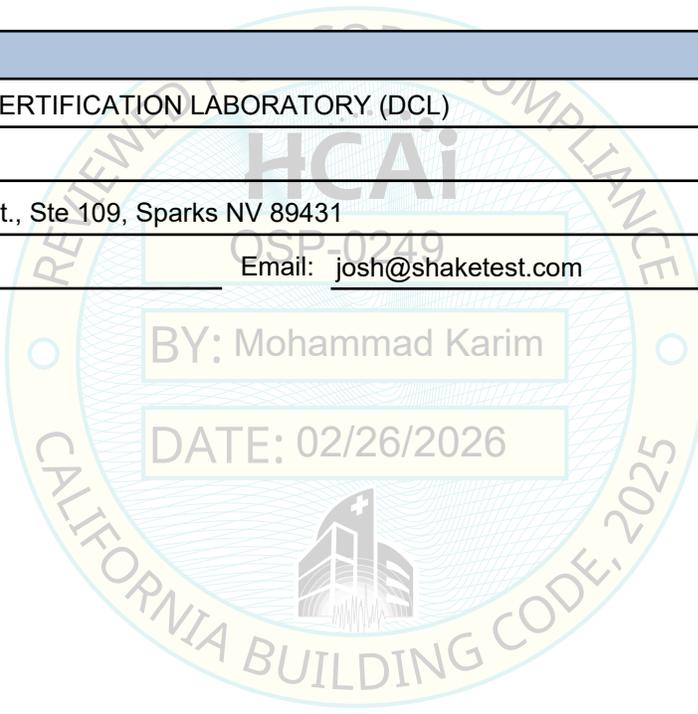
Testing Laboratory

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Josh Sailer

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

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





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

| | | | | |
|------------|---------------|-------------|---------------|-------------|
| Horizontal | (A Flx-H), g= | <u>4.00</u> | (A Rig-H), g= | <u>2.69</u> |
| Vertical | (A Flx-V), g= | <u>1.67</u> | (A Rig-V), g= | <u>0.67</u> |

SDS (Design spectral response acceleration at short period, g) = 2.5

Hf (Force amplification height factor) = 3.5 at z/h=1; 1 at z/h=0

Ru (Structure ductility reduction factor) = 1.3 at z/h=1; 1 at z/h=0

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 02/26/2032

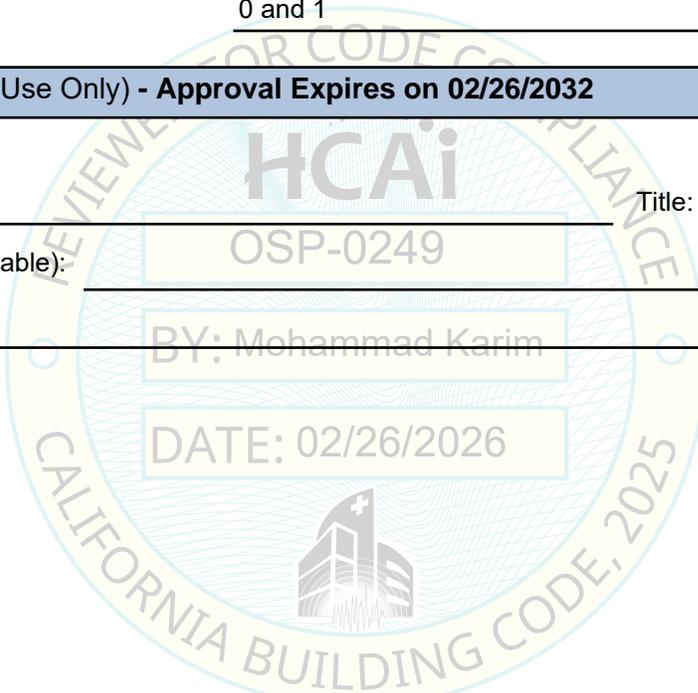
Date: 2/26/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0249

BY: Mohammad Karim

DATE: 02/26/2026



Special Seismic Certification
Table 1 - Certified Components



DCL Project Number: 95698-2501

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Certified Product Construction: G90 Galvanized Carbon Steel with Powder-Coated Finish

Mounting: Rigid or Isolated Roof Curb Mount

Certified Seismic Levels: Sds = 2.50g, z/h=1.0 and z/h=0.0

Factors for Force Amplification and Structure Ductility Reduction: Hf = 3.5 at z/h=1.0; 1.0 at z/h=0 and Rμ = 1.3 at z/h=1.0; 1.0 at z/h=0

| Model Number | Nominal Cooling Capacity (Tons) | Max. Dimensions (in) | | | Max. Weight (lb) ¹ | Unit |
|---------------------------------|---------------------------------|----------------------|-------|--------|-------------------------------|--------------|
| | | Depth | Width | Height | | |
| KE036 | 3 | 82.3 | 44.9 | 32.6 | 470 | Extrapolated |
| KE048 | 4 | 82.3 | 44.9 | 32.6 | 598 | Extrapolated |
| ZD/ZE/ZF/ZS/J03ZF/J03ZE/T03 036 | 3 | 82.0 | 43.5 | 32.5 | 600 | UUT-05a,b |
| WN036 | 3 | 82.3 | 44.9 | 32.6 | 610 | Interpolated |
| WN048 | 4 | 82.3 | 44.9 | 32.6 | 616 | Interpolated |
| WN060 | 5 | 82.3 | 44.9 | 32.6 | 620 | Interpolated |
| KE060 | 5 | 82.3 | 44.9 | 32.6 | 632 | Interpolated |
| XN/XT/XP/XA/J03XP/J03XN/T03 036 | 3 | 82.0 | 43.5 | 32.5 | 650 | UUT-01a,b |
| KE072 | 6 | 82.3 | 44.9 | 32.6 | 665 | Interpolated |
| ZR/ZK/J03ZR/T03 036 | 3 | 82.0 | 43.5 | 32.5 | 680 | UUT-03a,b |
| ZD/ZE/ZF/ZS/J04ZF/J04ZE/T04 048 | 4 | 82.0 | 43.5 | 32.5 | 688 | Interpolated |
| XN/XT/XP/XA/J04XP/J04XN/T04 048 | 4 | 82.0 | 43.5 | 32.5 | 690 | Interpolated |
| ZF/ZS/J06ZF/T06 072 | 6 | 82.0 | 43.5 | 32.5 | 700 | UUT-06a,b |
| XN/XT/XP/XA/J05XP/J05XN/T05 060 | 5 | 82.0 | 43.5 | 32.5 | 700 | UUT-02a,b |
| ZD/ZE/ZF/ZS/J05ZF/J05ZE/T05 060 | 5 | 82.0 | 43.5 | 32.5 | 716 | Interpolated |
| ZR/ZK/J04ZR/T04 048 | 4 | 82.0 | 43.5 | 32.5 | 732 | Interpolated |
| ZR/ZK/J05ZR/T05 060 | 5 | 82.0 | 43.5 | 32.5 | 760 | UUT-04a,b |

Note:

1. Weights listed for tested units are actual, not approximate weights. The weights listed for interpolated units are maximum weights, assuming all optional features are included. Optional features are summarized in the tables below.

DATE: 02/26/2026

| Unit Accessory | Operating Weight (lb) | Unit |
|-----------------------|-----------------------|--|
| Intelli Comfort Board | 1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Coil Guard | 7 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Disconnect | 10 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Electric Heat | 28 | UUT-05a,b, UUT-06a,b |
| Economizer | 50 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Gas Heat (Not on XPs) | 70 | UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |

Special Seismic Certification
Table 2 - Certified Subcomponents



DCL Project Number: 95698-2501

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

| Compressors | | | | | |
|--------------|--------------|------------------------|--------------|----------------------|--------------|
| Model Number | Manufacturer | Description | Material | | Unit |
| H82J283 | Bristol | 230V - 3ph | Carbon Steel | | UUT-05a,b |
| H82J28B | | 230V - 1ph | | Interpolated | |
| H82J28D | | 460/575V - 3ph | | Interpolated | |
| H82J373A | | 230V - 1ph | | Interpolated | |
| H82J373D | | 230V - 3ph | | Interpolated | |
| H82J37D | | 460/575V - 3ph | | Interpolated | |
| H82J483A | | 230V - 1ph | | Interpolated | |
| H82J483D | | 230V - 3ph | | Interpolated | |
| H82J483D | | 460/575V - 3ph | | Interpolated | |
| HRH032U1 | | 230V - 1ph | | Interpolated | |
| HRH032U2 | | 230V - 3ph | | UUT-01a,b, UUT-03a,b | |
| HRH032U4 | | 460V - 3ph | | Interpolated | |
| HRH032U7 | | 575V - 3ph | | Interpolated | |
| HRH041U1 | | 230V - 1ph | | Interpolated | |
| HRH041U2 | | 230V - 3ph | | Interpolated | |
| HRH041U4 | | 460V - 3ph | | Interpolated | |
| HRH041U7 | | 575V - 3ph | | Interpolated | |
| HRH054U1 | | 230V - 1ph | | Interpolated | |
| HRH054U2 | | 230V - 3ph | | Interpolated | |
| HRH054U4 | | 460V - 3ph | | Interpolated | |
| HRH054U7 | 575V - 3ph | UUT-04a,b | | | |
| Model Number | Manufacturer | Description | Material | Weight (lb) | Unit |
| YAS60K1E-TFE | Copeland | 575V AC 3PH | Carbon Steel | 36 | Extrapolated |
| YA31K1E-TFD | | 460V AC AC 3PH | | 51 | Extrapolated |
| YA31K1E-TF5 | | 208-230V AC 3PH | | 52 | Extrapolated |
| YA31K1E-PFV | | 208-230V AC 1PH | | 53 | Extrapolated |
| YA51K1E-TFD | | 460V AC 3PH | | 70 | Extrapolated |
| ZP54K5E | | 208/230/460/575V - 3ph | | 71 | UUT-02a,b |
| YA34K1E-TF5 | | 208-230V AC 3PH | | 71 | Interpolated |
| YA42K1E-TF5 | | 208-230V AC 3PH | | 71 | Interpolated |
| YA51K1E-TF5 | | 208-230V AC 3PH | | 71 | Interpolated |
| YA51K1E-TFE | | 575V AC 3PH | | 72 | Interpolated |
| YA34K1E-PFV | | 208-230V AC 3PH | | 77 | Interpolated |
| YA42K1E-PFV | | 208-230V AC 1PH | | 77 | Interpolated |
| YA42K1E-TFE | | 575V AC 3PH | | 77 | Interpolated |
| YA51K1E-PFV | | 208-230V AC 1PH | | 77 | Interpolated |
| YAS51K1E-PFV | | 208-230V AC 3PH | | 79 | Interpolated |
| YAS51K1E-TFD | | 460V AC 3PH | | 79 | Interpolated |
| YAS60K1E-TF5 | | 208-230V AC 3PH | | 79 | Interpolated |
| YAS60K1E-TFD | | 460V AC 3PH | | 79 | Interpolated |
| YAS51K1E-TF5 | | 208-230V AC 3PH | | 79 | Interpolated |
| YAS51K1E-TFE | | 575V AC 3PH | | 79 | Interpolated |
| YA31K1E-TFE | | 575V AC AC 3PH | | 51 | Interpolated |
| YA34K1E-TFD | | 208-230V AC 3PH | | 71 | Interpolated |
| YA34K1E-TFE | | 208-230V AC 3PH | | 71 | Interpolated |
| YA42K1E-TFD | | 460V AC 3PH | | 71 | Interpolated |
| ZP61KCE | | 208/230/460/575V - 3ph | | 89 | UUT-06a,b |

Special Seismic Certification
Table 3 - Certified Subcomponents



DCL Project Number: 95698-2501

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

| Coils | | | | | |
|-------------------------------|--------------|---------------------------------|--------------------------------|---|---------------------------------|
| Model Number | Manufacturer | Description | Material | Unit | |
| 676262 | JCI | Outdoor Coil, 16.3 x 2 | Aluminum | UUT-05a,b | |
| 573816 ¹ | | Outdoor Coil, 18.5 x 2 | | UUT-06a,b | |
| 435504 | | Outdoor Coil, 16.3 x 2 | | UUT-03a,b, UUT-04a,b | |
| 255202 | | Outdoor Coil, 16.3 x 2 | Copper, Aluminum | UUT-01a,b | |
| 255468 | | Outdoor Coil, 16.3 x 2 | | Interpolated | |
| 440770 | | Outdoor Coil, 16.3 x 2 | | UUT-02a,b | |
| 526682 | | Indoor Coil, 5.06 x 3 | | UUT-05a,b | |
| 526681 | | Indoor Coil, 5.06 x 3 | | Interpolated | |
| 514544 | | Indoor Coil, 5.06 x 4 | | Interpolated | |
| 550356 | | Indoor Coil, 5.06 x 4 | | UUT-06a,b | |
| 403139 | | Indoor Coil w/ Reheat, 5.06 x 3 | | UUT-03a,b | |
| 403181 | | Indoor Coil w/ Reheat, 5.06 x 3 | | Interpolated | |
| 403182 | | Indoor Coil w/ Reheat, 5.06 x 4 | | UUT-04a,b | |
| 267504 | | Indoor Coil, 5.06 x 4 | UUT-01a,b | | |
| 255186 | | Indoor Coil, 5.06 x 4 | Interpolated | | |
| 440763 | | Indoor Coil, 5.06 x 4 | UUT-02a,b | | |
| Thermostatic Expansion Valves | | | | | |
| BBIZE | | Sporlan | 3/8" | Brass | UUT-03a,b, UUT-04a,b, UUT-05a,b |
| 43712 | | | Fixed Orifice | | UUT-06a,b |
| ANCE | | Emerson | 3/8" | Brass | UUT-01a,b, UUT-02a,b |
| Indoor Blower Motors | | | | | |
| *Q*T17D | Marathon | 1.5 HP (230/460V-3ph) | Rolled Carbon Steel, Cast Iron | UUT-01a,b, UUT-03a,b, UUT-05a,b | |
| 196302 | AO Smith | 1.5 HP (230V-1ph) | Rolled Carbon Steel, Cast Iron | Interpolated | |
| 8-158756 | | 2.0 HP (230/460V-3ph) | | Interpolated | |
| 8-151204 | | 2.0 HP (575V-3ph) | | UUT-02a,b, UUT-04a,b | |
| 8-158556 | | 3.0 HP (230/460V-3ph) | | Interpolated | |
| 8-176059 | | 3.0 HP (575V-3ph) | | UUT-06a,b | |
| Economizers | | | | | |
| 2EE04703724 | JCI | Horizontal Economizer | Galvanized Carbon Steel | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b | |
| 2MD04700324 | | 2-Position Economizer | | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b | |

Note:

- 573816 was previously labeled incorrectly as 550546.

Special Seismic Certification
Table 4 - Certified Subcomponents



DCL Project Number: 95698-2501

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

| Electric Heaters ¹ | | | | | |
|---|------------------|------------------------------|---|-----------------|--------------|
| Model Number | Manufacturer | Description | Material | Unit | |
| 2CE04510506 | JCI | 5 kW (230V-1ph) | Nickel Chrome Alloy, Galvanized Carbon Steel | UUT-05a,b | |
| 2CE04510525 | | 5 kW (230V-3ph) | | Interpolated | |
| 2CE04510706 | | 7 kW (230V-1ph) | | Interpolated | |
| 2CE04510725 | | 7 kW (230V-3ph) | | Interpolated | |
| 2CE04510746 | | 7 kW (460V-3ph) | | Interpolated | |
| 2CE04511006 | | 10 kW (230V-1ph) | | Interpolated | |
| 2CE04511025 | | 10 kW (230V-3ph) | | Interpolated | |
| 2CE04511046 | | 10 kW (460V-3ph) | | Interpolated | |
| 2CE04511058 | | 10 kW (575V-3ph) | | Interpolated | |
| 2CE04511506 | | 15 kW (230V-1ph) | | Interpolated | |
| 2CE04511525 | | 15 kW (230V-3ph) | | Interpolated | |
| 2CE04511546 | | 15 kW (460V-3ph) | | Interpolated | |
| 2CE04511558 | | 15 kW (575V-3ph) | | Interpolated | |
| 2CE04512006 | | 20 kW (230V-1ph) | | Interpolated | |
| 2CE04512025 | | 20 kW (230V-3ph) | | Interpolated | |
| 2CE04512046 | | 20 kW (460V-3ph) | | Interpolated | |
| 2CE04512058 | | 20 kW (575V-3ph) | | Interpolated | |
| 2CE04513006 | | 30 kW (230V-1ph) | | Interpolated | |
| 2CE04513025 | | 30 kW (230V-3ph) | | Interpolated | |
| 2CE04513046 | | 30 kW (460V-3ph) | | Interpolated | |
| 2CE04513058 | 30 kW (575V-3ph) | UUT-06a,b | | | |
| Heat Cells (Heat Type and Nominal Heat Capacity) ² | | | | | |
| N04 | JCI | 40 MBH Output, Single Stage | Aluminized Carbon Steel | UUT-03a,b | |
| N06 | | 60 MBH Output, Single Stage | | Interpolated | |
| N08 | | 80 MBH Output, Single Stage | | Interpolated | |
| N10 | | 100 MBH Output, Single Stage | | Interpolated | |
| D04 | | 40 MBH Output, Dual Stage | | Interpolated | |
| D06 | | 60 MBH Output, Dual Stage | | Interpolated | |
| D08 | | 80 MBH Output, Dual Stage | | Interpolated | |
| D10 | | 100 MBH Output, Dual Stage | | UUT-04a,b | |
| S04 | | 40 MBH Output, Single Stage | | Stainless Steel | UUT-05a,b |
| S06 | | 60 MBH Output, Single Stage | | | Interpolated |
| S08 | | 80 MBH Output, Single Stage | Interpolated | | |
| S10 | | 100 MBH Output, Single Stage | Interpolated | | |
| T04 | | 40 MBH Output, Dual Stage | Interpolated | | |
| T06 | | 60 MBH Output, Dual Stage | Interpolated | | |
| T08 | | 80 MBH Output, Dual Stage | Interpolated | | |
| T10 | | 100 MBH Output, Dual Stage | UUT-06a,b | | |

Note:

1. Electric Heaters are bookended by power (kW).
2. Heat Cells are bookended by output (MBH).

Special Seismic Certification
Table 5 - Certified Subcomponents



DCL Project Number: 95698-2501

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

| Filters | | | | | |
|--------------------|---------------------|----------------------------------|----------------------|---------------------------------|--|
| Model Number | Manufacturer | Description | Material | Weight (lb) | Unit |
| 198, 15" x 20" | AAF | 1" Fiberglass TA Filter | Fiberglass | <1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| 198, 14" x 25" | | | | <1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| 300X, 15" x 20" | | 2" Pleated Filter | Cotton, Polyester | <1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| 300X, 14" x 25" | | | | <1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Miscellaneous | | | | | |
| 663678 | SAP | Simplicity Lite Board Controller | Plastic | 1 | UUT-01a,b, UUT-02a,b |
| 663677 | | | | 1 | UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| 1157-903 | United Technologies | Defrost Board | Plastic | 1 | UUT-01a,b, UUT-02a,b |
| 1159-10 | | Itelli Comfort Board | | 1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| STF-04U | Saginomiya | Reversing Heat Valve | Plastic | 2 | UUT-01a,b |
| STF-07U | | | | 2 | UUT-02a,b |
| FAL | Square D | Electrical Disconnect Switch | Plastic | 3 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| P32AF-2C | JCI | Dirty Filter Switch | Plastic | 1 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| 2LA04700100 | | Outdoor Fan Speed Controller | | 3 | UUT-03a,b, UUT-04a,b, UUT-05a,b |
| 2SD04700324 | | Smoke Detector, Supply & Return | | 5 | UUT-01a,b, UUT-02a,b, UUT-03a,b, UUT-04a,b, UUT-05a,b, UUT-06a,b |
| Outdoor Fan Motors | | | | | |
| F48H x 1 x 1/4 | AO Smith | 1/4 HP (230V) | Rolled Carbon Steel, | 13 | UUT-01a,b |
| F48H x 1 x 1/4 | | 1/4 HP (460V) | | Cast Iron | 13 |
| F48L x 1 x 1/2 | | 1/2 HP (230V) | 19 | | UUT-03a,b, UUT-05a,b |
| F48L x 1 x 1/2 | | 1/2 HP (460V) | 19 | UUT-02a,b, UUT-04a,b, UUT-06a,b | |

Special Seismic Certification
Table 6 - Tested Units



DCL Project Number: 95698-2501

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

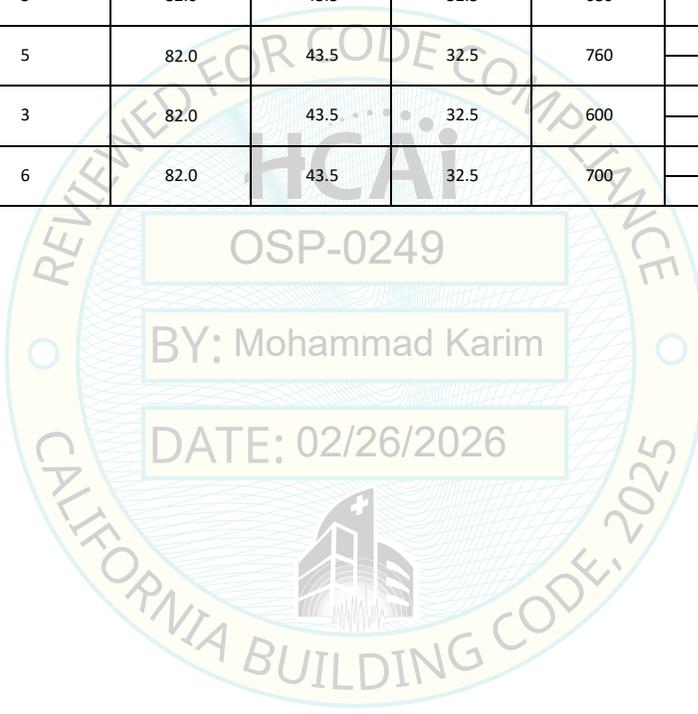
Certified Product Construction: G90 Galvanized Carbon Steel with Powder-Coated Finish

Mounting: Rigid or Isolated Roof Curb Mount

Certified Seismic Levels: Sds = 2.50g, z/h=1.0 and z/h=0.0

Factors for Force Amplification and Structure Ductility Reduction: Hf = 3.5 at z/h=1.0; 1.0 at z/h=0 and Rμ = 1.3 at z/h=1.0; 1.0 at z/h=0

| Model Number | Nominal Cooling Capacity (Tons) | Dimensions (in) | | | Weight (lb) | Mounting Configuration | Unit |
|----------------|---------------------------------|-----------------|-------|--------|-------------|------------------------|---------|
| | | Length | Width | Height | | | |
| XP036E05P2BAE1 | 3 | 82.0 | 43.5 | 32.5 | 650 | Rigid Roof Curb | UUT-01a |
| | | | | | | Isolated Roof Curb | UUT-01b |
| XP060E30V5BZZ2 | 5 | 82.0 | 43.5 | 32.5 | 700 | Rigid Roof Curb | UUT-02a |
| | | | | | | Isolated Roof Curb | UUT-02b |
| ZR036N04R2DZZ1 | 3 | 82.0 | 43.5 | 32.5 | 680 | Rigid Roof Curb | UUT-03a |
| | | | | | | Isolated Roof Curb | UUT-03b |
| ZR060D10U5GZZ1 | 5 | 82.0 | 43.5 | 32.5 | 760 | Rigid Roof Curb | UUT-04a |
| | | | | | | Isolated Roof Curb | UUT-04b |
| ZF036S04N2KZZ1 | 3 | 82.0 | 43.5 | 32.5 | 600 | Rigid Roof Curb | UUT-05a |
| | | | | | | Isolated Roof Curb | UUT-05b |
| ZF072T10T5BAC1 | 6 | 82.0 | 43.5 | 32.5 | 700 | Rigid Roof Curb | UUT-06a |
| | | | | | | Isolated Roof Curb | UUT-06b |



UNIT UNDER TEST (UUT) Summary Sheet



UUT-01a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series

Product Type: Air Conditioning Units – Packaged

Model Number: XP036E05P2BAE1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 650 | 82.0 | 43.5 | 32.5 | 10.3 | 8.0 | 14.0 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _i | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT1a was tested on an rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.



Back view of UUT-01a



Front view of UUT-01a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-01b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: XP036E05P2BAE1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

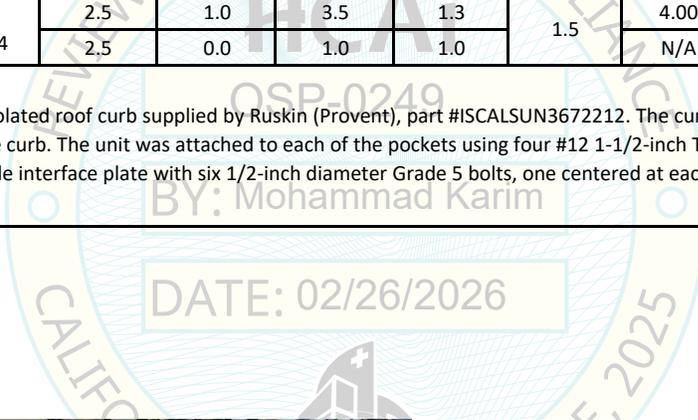
| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 650 | 82.0 | 43.5 | 32.5 | 3.8 | 3.0 | 5.3 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT1b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had six 12-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.



Back view of UUT-01b



Front view of UUT-01b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-01a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|-------------------------------------|---------------------|--------------------------------|
| Compressors | | |
| HRH032U2 | Bristol | Carbon Steel |
| Coils | | |
| 255202 | JCI | Copper, Aluminum |
| 267504 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| ANCE | Emerson | Brass |
| Indoor Blower Motor | | |
| *Q*T17D | Marathon | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663678 | SAP | Plastic |
| 1157-903 | United Technologies | Plastic |
| 1159-10 | United Technologies | Plastic |
| STF-04U | Saginomiya | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48H x 1 x 1/4 | AO Smith | Rolled Carbon Steel, Cast Iron |

UNIT UNDER TEST (UUT) Summary Sheet



UUT-02a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: XP060E30V5BZZ2

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 700 | 82.0 | 43.5 | 32.5 | 10.0 | 7.5 | 17.0 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _i | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT2a was tested on a rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.

DATE: 02/26/2026



Back view of UUT-02a



Front view of UUT-02a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-02b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: XP060E30V5BZZ2

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 700 | 82.0 | 43.5 | 32.5 | 3.5 | 2.8 | 5.8 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _r | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT2b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had six 12-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.



Overall view of UUT-02b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-02a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|-------------------------------------|---------------------|--------------------------------|
| Compressors | | |
| ZP54K5E | Copeland | Carbon Steel |
| Coils | | |
| 440770 | JCI | Copper, Aluminum |
| 440763 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| ANCE | Emerson | Brass |
| Indoor Blower Motor | | |
| 8-151204 | AO Smith | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663678 | SAP | Plastic |
| 1157-903 | United Technologies | Plastic |
| 1159-10 | United Technologies | Plastic |
| STF-07U | Saginomiya | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48L x 1 x 1/2 | AO Smith | Rolled Carbon Steel, Cast Iron |

UNIT UNDER TEST (UUT) Summary Sheet



UUT-03a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZR036N04R2DZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 680 | 82.0 | 43.5 | 32.5 | 12.8 | 7.5 | 17.0 |

Seismic Test Parameters

| Building Code | Test Criteria | S _{ds} (g) | z/h | H _i | R _μ | I _p | A _{flx-H} (g) | A _{rig-H} (g) | A _{flx-V} (g) | A _{rig-V} (g) |
|---------------|---------------|---------------------|-----|----------------|----------------|----------------|------------------------|------------------------|------------------------|------------------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT3a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8-inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.

BY: Mohammad Karim

DATE: 02/26/2026



Back view of UUT-03a



Front view of UUT-03a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-03b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZR036N04R2DZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 680 | 82.0 | 43.5 | 32.5 | 3.5 | 2.3 | 6.3 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT3b was tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.

DATE: 02/26/2026



Back view of UUT-03b



Front and side view of UUT-03b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-03a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|---|---------------------|--------------------------------|
| Compressors | | |
| HRH032U2 | Bristol | Carbon Steel |
| Coils | | |
| 435504 | JCI | Copper, Aluminum |
| 403139 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| BBIZE | Sporlan | Brass |
| Indoor Blower Motor | | |
| *Q*T17D | Marathon | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Heat Cells (Heat Type and Nominal Heat Capacity) | | |
| N04 | JCI | Aluminized Carbon Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663677 | SAP | Plastic |
| 1159-10 | United Technologies | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2LA04700100 | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48L x 1 x 1/2 | AO Smith | Rolled Carbon Steel, Cast Iron |

UNIT UNDER TEST (UUT) Summary Sheet



UUT-04a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZR060D10U5GZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 760 | 82.0 | 43.5 | 32.5 | 9.5 | 7.8 | 14.0 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT4a was tested on an rigid roof curb supplied by MicroMetl, part #W560-OSP-C14D-00000. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six on each long side of the curb and four on each short side, with each side sharing a bolt on the corners.



Front view of UUT-04a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-04b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZR060D10U5GZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 760 | 82.0 | 43.5 | 32.5 | 4.3 | 3.5 | 6.0 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT4b was mounted to an isolated roof curb supplied by Ruskin (Provent), part #ISCALSUN3672212. The curb had four 12-gage anchoring pockets, two on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with six 1/2-inch diameter Grade 5 bolts, one centered at each corner and one centered on each of the long sides of the curb.

DATE: 02/26/2026



Back view of UUT-04b



Front and side view of UUT-04b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-04a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|---|---------------------|--------------------------------|
| Compressors | | |
| HRH054U7 | Bristol | Carbon Steel |
| Coils | | |
| 435504 | JCI | Copper, Aluminum |
| 403182 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| BBIZE | Sporlan | Brass |
| Indoor Blower Motor | | |
| 8-151204 | AO Smith | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Heat Cells (Heat Type and Nominal Heat Capacity) | | |
| D10 | JCI | Aluminized Carbon Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663677 | SAP | Plastic |
| 1159-10 | United Technologies | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2LA04700100 | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48L x 1 x 1/2 | AO Smith | Rolled Carbon Steel, Cast Iron |

UNIT UNDER TEST (UUT) Summary Sheet



UUT-05a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZF036S04N2KZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 600 | 82.0 | 43.5 | 32.5 | 13.0 | 7.0 | 16.5 |

Seismic Test Parameters

| Building Code | Test Criteria | S _{ds} (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------------------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT5a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self-drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8-inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.



Front view of UUT-05a



Back view of UUT-05a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-05b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZF036S04N2KZZ1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 600 | 82.0 | 43.5 | 32.5 | 3.5 | 2.8 | 5.0 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT5b was tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.



Front view of UUT-05b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-05a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|---|---------------------|--|
| Compressors | | |
| H82J283 | Bristol | Carbon Steel |
| Coils | | |
| 676262 | JCI | Aluminum |
| 526682 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| BBIZE | Sporlan | Brass |
| Indoor Blower Motor | | |
| *Q*T17D | Marathon | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Electric Heater | | |
| 2CE04510506 | JCI | Nickel Chrome Alloy, Galvanized Carbon Steel |
| Heat Cells (Heat Type and Nominal Heat Capacity) | | |
| S04 | JCI | Stainless Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663677 | SAP | Plastic |
| 1159-10 | United Technologies | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2LA04700100 | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48L x 1 x 1/2 | AO Smith | Rolled Carbon Steel, Cast Iron |

UNIT UNDER TEST (UUT) Summary Sheet



UUT-06a

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZF072T10T5BAC1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

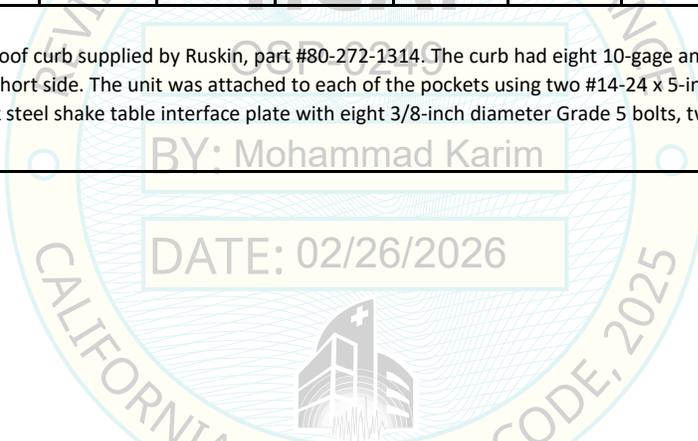
| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 700 | 82.0 | 43.5 | 32.5 | 12.5 | 7.3 | 14.0 |

Seismic Test Parameters

| Building Code | Test Criteria | S _{ds} (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------------------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT6a was tested on a rigid roof curb supplied by Ruskin, part #80-272-1314. The curb had eight 10-gage anchoring pockets, three on each long side of the curb and one on each short side. The unit was attached to each of the pockets using two #14-24 x 5-inch self drilling screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with eight 3/8-inch diameter Grade 5 bolts, two on each side of the curb, each 5-inches in from the corners.



Back view of UUT-06a



Front view of UUT-06a

UNIT UNDER TEST (UUT) Summary Sheet



UUT-06b

DCL Report Number: 90300-1108a

Test Dates: October 10 - 14, 2011

Manufacturer: Unitary Product Group (York, Johnson Controls, Coleman, Luxaire, Evcon, Fraser-Johnston, Champion, and TempMaster)

Product Line: York Small Sunline/JCI 5 Series Family/FJ ReliaCore 100/TempMaster OmniCore 100

Product Type: Air Conditioning Units – Packaged

Model Number: ZF072T10T5BAC1

Product Construction Summary: Cabinet is constructed of G90 galvanized steel, with powder-coated finish, certified at 1,000 hours salt spray test per ASTM B 117.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties

| Operating Weight (lb) | Dimensions (inches) | | | Lowest Natural Frequency (Hz) | | |
|-----------------------|---------------------|-------|--------|-------------------------------|-----------|----------|
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 700 | 82.0 | 43.5 | 32.5 | 3.5 | 2.5 | 5.3 |

Seismic Test Parameters

| Building Code | Test Criteria | Sds (g) | z/h | H _f | R _μ | I _p | Aflx-H (g) | Arig-H (g) | Aflx-V (g) | Arig-V (g) |
|---------------|---------------|---------|-----|----------------|----------------|----------------|------------|------------|------------|------------|
| CBC 2025 | ICC-ES | 2.5 | 1.0 | 3.5 | 1.3 | 1.5 | 4.00 | 3.00 | N/A | N/A |
| | AC156-24 | 2.5 | 0.0 | 1.0 | 1.0 | | N/A | N/A | 1.67 | 0.67 |

Unit Mounting Description:

UUT6b was tested on an isolated roof curb supplied by MicroMetl, part #0405-602D. The curb had six 10-gage anchoring pockets, three on each long side of the curb. The unit was attached to each of the pockets using four #12 1-1/2-inch TEK screws. The curb was attached to the 3/4-inch thick steel shake table interface plate with sixteen 1/2-inch diameter Grade 5 bolts, six each long side and four each short side, with each side sharing a bolt on the corners.

BY: Mohammad Karim

DATE: 02/26/2026



Front view of UUT-06b

UNIT UNDER TEST (UUT) Summary Sheet



UUT-06a,b

Options / Component Summary:

| Model Number | Manufacturer | Material |
|---|---------------------|--|
| Compressors | | |
| ZP61KCE | Copeland | Carbon Steel |
| Coils | | |
| 573816 | JCI | Aluminum |
| 550356 | JCI | Copper, Aluminum |
| Thermostatic Expansion Valve | | |
| 43712 | Sporlan | Brass |
| Indoor Blower Motor | | |
| 8-176059 | AO Smith | Rolled Carbon Steel, Cast Iron |
| Economizers | | |
| 2EE04703724 | JCI | Galvanized Carbon Steel |
| 2MD04700324 | JCI | Galvanized Carbon Steel |
| Electric Heater | | |
| 2CE04513058 | JCI | Nickel Chrome Alloy, Galvanized Carbon Steel |
| Heat Cells (Heat Type and Nominal Heat Capacity) | | |
| T10 | JCI | Stainless Steel |
| Filters | | |
| 198, 15" x 20" | AAF | Fiberglass |
| 198, 14" x 25" | AAF | Fiberglass |
| 300X, 15" x 20" | AAF | Cotton, Polyester |
| 300X, 14" x 25" | AAF | Cotton, Polyester |
| Miscellaneous | | |
| 663677 | SAP | Plastic |
| 1159-10 | United Technologies | Plastic |
| FAL | Square D | Plastic |
| P32AF-2C | JCI | Plastic |
| 2SD04700324 | JCI | Plastic |
| Outdoor Fan Motor | | |
| F48L x 1 x 1/2 | AO Smith | Rolled Carbon Steel, Cast Iron |