

Title: Business Manager

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP)** APPLICATION #: OSP-0742 **HCAI Special Seismic Certification Preapproval (OSP)** X New Type: Renewal **Manufacturer Information** Manufacturer: Johnson Controls Manufacturer's Technical Representative: Piyush Adhav Mailing Address: 5005 York Drive, Norman, OK 73069 Telephone: (580) 878-0570 Email: piyush.adhav@jci.com **Product Information** Product Name: Air Conditioning Units Product Type: Air Conditioning Units - Packaged Product Model Number: See attachments 27.5 - 50 Ton Select packaged rooftop units (arim General Description: Mounting Description: Rigid Custom Curb (See UUT Summary Sheets), Floor Mounted Seismic enhancements made to the test units and/or modifications required to address Tested Seismic Enhancements: anomalies during the tests shall be incorporated into the production units. **Applicant Information** Applicant Company Name: Dynamic Certification Laboratories Contact Person: Kelly Laplace Mailing Address: 1315 Greg Street Suite 109, Sparks, NV 89431 Telephone: (775) 358-5085 Email: kelly@shaketest.com





STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

06/28/2022 OSP-0742 Page 1 of 24



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

21112	
California Licensed Structural Engineer R	esponsible 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, Sacr	ramento, CA 95814
Telephone: (832) 627-2214	Email: ken.tarlow@thevmcgroup.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):	
	EOR CODE CO.
Testing Laboratory	Mp.
Company Name: CLARK TESTING LABORATOR	RY, INC.
Contact Person: Devon Lohr	
Mailing Address: 1801 Route 51, Jefferson Hills	PA 15025
Telephone: (412) 387-1026	Email: dlohr@clarktesting.com
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06/28/2022 OSP-0742 Page 2 of 24



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters								
Design Basis of Equipment or Components	sign Basis of Equipment or Components (Fp/Wp) = 1.05							
SDS (Design spectral response accele	SDS (Design spectral response acceleration at short period, g) = 1.40							
a _P (Amplification factor) =	2.5							
Rp (Response modification factor) =	6							
Ω_0 (System overstrength factor) =	2.0							
Ip (Importance factor) =	1.5							
z/h (Height ratio factor) =	1 and 0							
Natural frequencies (Hz) =	See Attachment							
Overall dimensions and weight =	See Attachment							

HCAI A	HCAI Approval (For Office Use Only) - Approval Expires on 06/28/2028										
Date:	6/28/2022 OSP-0	742									
Name:	Mohammad Karim	Title: Supervisor, Health Facilities									
Special	Seismic Certification Valid Up to: SDS (g) = 1.4	z/h = See Above									
Conditio	on of Approval (if applicable):	3/2022									





06/28/2022 OSP-0742 Page 3 of 24

Table 1 - Certified Components



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Product Construction: Powder Coated Carbon Steel Enclosure

Mounting Description: Rigid Roof Curb Mounted

		Dime	ensions (in	ches)		Nominal			
Product Line	Model Number	Baserail Depth	Baserail Width	Height	Operating Weight (lb)	Cooling Capacity (Tons)	Sds (g), z/h=1	Tested Heat	Unit
	YV28E3DJ5S3LGLC1G	180	90	70	5,002	28		Electric	UUT3
Select / Sun	xx28xxxxxxxxxxxxx	180	90	70	5,002	28		N/A	Interpolated
	YV30T3CV4K1C8TD6L	180	90	70	5,430	30		Gas	UUT1
Select /	xx30xxxxxxxxxxxx	180	90 R	70	5430	30		N/A	Interpolated
OmniSelect /	xx35xxxxxxxxxxxxx	180	90	70	5430	35	1.4	N/A	Interpolated
Relia Select /	xx40xxxxxxxxxxxx	232	90	77	6,220	40		N/A	Interpolated
Optimum Select	YH40N1DZ2Q2CGTC6A	232	90	77	6,220	40		Gas	UUT2
	xx50xxxxxxxxxxxxx	232	90	77	6,787	50		N/A	Interpolated
	YH50E1DV2R4L8LD7M	232	90 🔾	S177-0	6,787	50		Electric	UUT4

BY: Mohammad Karim

DATE: 06/28/2022

Model Number Nomenclature Chart

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select
Mounting Description: Rigid Roof Curb Mounted



Sample Part Number

YORK® model number nomenclature

Υ	V	3	5	N	1	С	Р	2	Α	1	С	Α	Α	1	1	Α

Y	ation for Interpolation/ Extrapolation	Unit
V	Same as UUT1,2,3,4 (branding)	Extrapolated
U BRANDED PACKAGE Ss.	N/A	UUT1,2,3,4
V Efficiency V Standard vertical	Same as UUT1,2,3,4 (branding)	Extrapolated
V Emclency H Standard horizontal	Same as UUT1,2,3,4 (branding)	Extrapolated
28 27.5 ton 30	N/A N/A	UUT1,3 UUT2,4
30 30 ton Boo	N/A	UUT3
35 Capacity 35 35 ton 50 ton	N/A	UUT1
SO	pokended by UUT1,3 and UUT2,4	Interpolated
C C Cooling Only Dep N Natural Gas, Staged Gas Heat with SS Heat Exchangers Electric Heat F F S Natural Gas, Staged Gas Heat with SS Heat Exchangers F Cooling Only Dep O Dep O Cooling Only Dep O Dep	N/A	UUT2
N Heat Type S Natural Gas, Staged Gas Neat with SS Heat Exchangers E Rectric Heat T Natural Gas, Staged Gas Neat with SS Heat Exchangers Cooling Only Dep 1 Low Heat 1 Heat Size 2 Medium Heat B Standard Dultra High Heat C Blower C Medium D High Heat G VFD/NAV 4 Stage H VFD/NAV 4 Stage H VFD/NAV 4 Stage G VFD/NAV 4 Stage H VFD/NAV 4 Stage G VFD/NAV 4 Stage H VFD/NAV 4 Stage F Notarial Gas, Modulating Ring 4 Stage H VFD/NAV 4 Stage G VFD/NAV 4 Stage H VFD/NAV 4 Stage G VFD/NAV 4 Stage H VFD/NAV 4 Stage G VFD/NAV 4 Stage F Notarial Gas Addition IntelliSpeed w/ Shaft Grounding Ring 4 Stage F Notarial Gas Addition IntelliSpeed w/ Shaft Grounding Ring 2 Stage To Constant Volume R IntelliSpeed w/ Shaft Grounding Ring 2 Stage T IntelliSpeed w/ Shaft Grounding Ring 2 Stage D Ananac Damper D E Stage Shaft Grounding Ring 2 Stage D Economiser With Baromatric Relief D Economiser With Modulating Power Exhaust D Econo	N/A	UUT4
N Heat Type S Natural Gas, Staged Gas Heat with SS Heat Exchangers D Electric Heat T Natural Gas, Modulating Gas Heat with SS Heat Exchangers Cooling Only Dep Cooling Only Dep Cooling Only Dep Low Heat Size 2 Medium Heat Boo High Heat A Ultra High Heat B Boo Standard D Boo Standard D Boo High Heat D D High Heat Stage B Standard D Boo High Heat D D High Heat Stage D D D D D High Heat Stage D D D D D D D High Heat Stage D D D D D D D D D D D D D D D D D D D	epopulated version of UUT1,2,3,4	Extrapolated
E Electric Heat T Natural Gas, Modulating Gas Heat with S Heat Exchangers O Cooling Only Dep Low Year 1 Heat Size 2 Medium Heat 3 High Heat / Mod Heat 4 Ultra High Heat B Standard Dep B Standard Dep High O D H	N/A	UUT2
T Natural Gas, Modulating Gas Heat with SS Heat Exchangers 0 College Only 1 Low Heat 2 Medium heat 3 High Heat J Mod Heat 4 Ultra High Heat 4 Ultra High Heat 5 Bo Standard 5 Dep Medium 6 VFD/VAW Is Hagh 6 VFD/VAW Is Stage 7 J VFD/VAW W Syngas S Stage 8 J VFD/VAW W Syngas S Stage 9 J VFD/VAW W Syngas S Stage 1 J VFD/VAW W Syngas S Stage 1 J VFD/VAW W Syngas S Stage 1 J VFD/VAW W Syngas S Stage 2 J Stage 8 K VFD/VAW W Syngas S Stage S Stage 9 J IntelliSpeed W Shaft Grounding Ring 4 Stage 9 L IntelliSpeed W Shaft Grounding Ring 2 Stage 1 S intelliSpeed W Shaft Grounding Ring 2 Stage 1 S intelliSpeed W Shaft Grounding Ring 3 Stage 1 S IntelliSpeed W Shaft Grounding Ring 3 Stage 1 S IntelliSpeed W Shaft Grounding Ring 4 Stage 1 S IntelliSpeed W Shaft Grounding Ring 4 Stage 1 S IntelliSpeed W Shaft Grounding Ring 4 Stage 1 S IntelliSpeed W Shaft Grounding Ring 4 Stage 2 Voltage 3 S Stage D D 460-3-60 4 Stage Shaft Grounding Ring 4 Stage 5 S Shaft Grounding Ring 4 Stage 6 D Shaft Shaft Grounding Ring 4 Stage 7 IntelliSpeed W Shaft Grounding Ring 4 Stage 8 S 208/230-3-60 HIGH SCCR 9 D 460-3-60 HIGH SCCR 9 D GEonomiser With Modulating Power Exhaust D D GEOnomiser With Bornartic Relief D D GEOnomiser	Depopulated version of UUT1 N/A	Extrapolated UUT3,4
Department Dep	N/A N/A	UUT1
1	epopulated version of UUT1,2,3,4	Extrapolated
A Ultra High Heat Mod Heat	N/A	UUT2,4
Blower C Medium Dep C Medium C Medium Dep C Medium D Medium D Medium D Dep C Medium D Medium D Medium D Dep C Medium D Medium D Medium D Medium D Dep C Medium D Medium D Medium D Medium D Dep D Medium D Medium D Medium D Medium D Medium D Dep D Medium D Medium D Medium D Medium D Medium D Dep D Medium D Medium D Medium D Medium D Dep D Medium D Medium D Medium D Medium D Dep D Medium D Medium D Dep D Medium D Dep D Medium D Dep D Medium D Dep D Medi	ookended by UUT2,4, and UUT1,3	Interpolated
C Blower C Medium C Medium D High G VFD/NAV My Stage J VFD/NAV Wy Spass 4 Stage J VFD/NAV Wy Spass 5/Shaft Grounding Ring 4 Stage K VFD/NAV Wy Spass 5/Shaft Grounding Ring 4 Stage F HITERISPECT START GROUNDING Ring 4 Stage P HITERISPECT START GROUNDING Ring 2 Stage C D IntelliSpeed wy Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 2 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 4 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 4 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 4 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 4 Stage C D IntelliSpeed wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Shaft Grounding Ring 4 Stage C D Wy Spass 5/Sh	N/A	UUT1,3
C Blower C Medium D High G VFD/VAV d Stage H VFD/VAV w) Shaft Grounding Ring 4 Stage J VFD/VAV w) Shaft Grounding Ring 4 Stage K VFD/VAV w) Shaft Grounding Ring 4 Stage K VFD/VAV w) Shaft Grounding Ring 4 Stage P IntelliSpeed x) Shaft Grounding Ring 2 Stage C IntelliSpeed x) Shaft Grounding Ring 2 Stage D IntelliSpeed x) Shaft Grounding Ring 2 Stage C IntelliSpeed x) Shaft Grounding Ring 2 Stage C IntelliSpeed x) Shaft Grounding Ring 2 Stage D C Constant Volume C C CONSTANT Volume C C CONSTANT Volume C CONSTANT Volume C C CONSTANT Volume C C C CONSTANT Volume C C C CONSTANT Volume C C C C CONSTANT Volume C C C C C C C C C C C C C C C C C C C	Same as UUT3	Extrapolated
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G VFD/VAV 4/ Stage D D VFD/VAV w/ Shaft Grounding Ring 4 Stage D VFD/VAV w/ Shaft Grounding Ring 4 Stage D VFD/VAV w/ Shaft Grounding Ring 4 Stage D D VFD/VAV w/ Shaft Grounding Ring 4 Stage D D IntelliSpeed w/ Shaft Grounding Ring 2 Stage D D IntelliSpeed w/ Shaft Grounding Ring 2 Stage D D IntelliSpeed w/ Shaft Grounding Ring 2 Stage D D IntelliSpeed w/ Shaft Grounding Ring 2 Stage D D W Constant Volume W IntelliSpeed stage D D W Constant Volume D W IntelliSpeed w/ Shaft Grounding Ring 2 Stage D D W Gonstant Volume D W IntelliSpeed w/ Shaft Grounding Ring 3 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Grounding Ring 4 Stage D D W IntelliSpeed w/ Shaft Stage D D W Intell	N/A	UUT1
H VFD/VAV w/ Shaft Grounding Ring 4 Stage J VFD/VAV w/ Shaft Grounding Ring 4 Stage K VFD/VAV w/ Shaft Grounding Ring 4 Stage P IntelliSpeed v/ Shaft Grounding Ring 2 Stage Q IntelliSpeed v/ Shaft Grounding Ring 2 Stage D RintelliSpeed w/ Shaft Grounding Ring 2 Stage C RintelliSpeed w/ Shaft Grounding Ring 2 Stage V Constant Volume R IntelliSpeed w/ Shaft Grounding Ring 2 Stage V Constant Volume W IntelliSpeed d/ Stage IntelliSpeed d/ Stage X IntelliSpeed d/ Shaft Grounding Ring 4 Stage D RintelliSpeed w/ Shaft Grounding Ring 4 Stage V IntelliSpeed w/ Shaft Grounding Ring 4 Stage Z IntelliSpeed w/ Shaft Grounding Ring 4 Stage D RintelliSpeed w/ Shaft Grounding Ring 4 Stage Z IntelliSpeed w/ Bypass / Shaft Grounding Ring 4 Stage D RintelliSpeed w/ Bypass / Shaft RintelliSpeed	N/A	UUT2,3,4
J VFD/VAV w/ Bypass / Shaft Grounding Ring 4 Stage P	Depopulated version of UUT3 Bookended by UUT2,3	Interpolated Interpolated
R	N/A	UUT3
P Air Volume R Intellispeed w/ Shaft Grounding Ring 2 Stage D D Intellispeed w/ Bypass 2 Stage D D D S D D D D D D D D D D D D D D D	Bookended by UUT2,3	Interpolated
P Air Volume R IntelliSpeed w/Bypass 25tage	Depopulated version of UUT2	Interpolated
S IntelliSpeed w/ Bypass /Shaft Grounding Ring 2 Stage V Constant Volume W IntelliSpeed 4 Stage X IntelliSpeed w/ Shaft Grounding Ring 4 Stage Y IntelliSpeed w/ Shaft Grounding Ring 4 Stage 2 IntelliSpeed w/ Bypass /Shaft Grounding Ring 4 Stage 2 2 (38/230-3-60) 4 4 460-3-60 5 5 575-3-60 B 208/230-3-60 HIGH SCCR D 4400-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser Deal HIGH SCCR B Manual Damper C Economiser with Modulating Power Exhaust D Economiser with Modulating Power Exhaust D Economiser BAS with Baromatric Relief D Economiser BAS with Modulating Power Exhaust D Economiser with Modulating Power Exhaust D Economiser with Modulating Power Exhaust D Economiser with Baromatric Relief, Single Enthalpy L Economiser with Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Single Enthalpy Economiser with Power Exhaust, Dual Enthalpy S Standard Condenser and Evaporator Coil S Standard Condenser and Evaporator Coil S Standard Evaporator Coil S Standard Condenser and Evaporator Coil S Standard Condenser and Evaporator Coil S Standard Condenser and Evaporator Coil With IBC / HCAI Seismic Unit Construction ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic	Depopulated version of UUT2	Interpolated
V Constant Volume IntelliSpeed 4 Stage IntelliSpeed 4 Stage X IntelliSpeed 4 Stage DC X IntelliSpeed 4 Stage DC Y IntelliSpeed 4 Stage DC IntelliSpeed 4 Stage DC 2 IntelliSpeed 4 Stage DC 2 208/230-3-60 4 4 4 460-3-60 5 5 575-3-60 D 460-3-60 HIGH SCCR D 460-3-60 HIGH SCCR D 460-3-60 HIGH SCCR D A 60-3-60 HIGH SCCR D A 60-3-60 HIGH SCCR D D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D D 60-3-60 HIGH SCCR D D 70-3-60 HIGH SCCR D 70-3-6	Depo <mark>pulated v</mark> ersion of UUT2	Interpolated
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X IntelliSpeed w/ Shaft Grounding Ring 4 Stage Y IntelliSpeed w/ Bypass 4 Stage Z IntelliSpeed w/ Bypass 4 Stage C Z IntelliSpeed w/ Bypass 4 Stage C Z 208/230-3-60 4 4 4 60-3-60 5 5 575-3-60 B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR D 460-3-60 HIGH SCCR D 460-3-60 HIGH SCCR D 575-3-60 HIGH SCCR A NO Economiser Dep C Economiser with Boromatric Relief D Economiser With Power Exhaust D E Economiser BAS with Brometric Relief D J Economiser BAS with Brometric Relief D J Economiser With Power Exhaust D D Economiser With Power Exhaust D D Economiser With Power Exhaust D D Economiser With Modulating Power Exhaust D D Economiser With Power E	N/A	UUT1,4
Y IntelliSpeed w/ Bypass / Stage Z IntelliSpeed w/ Bypass / Shaft Grounding Ring 4 Stage 2 2 808/230-3-60 4 4 460-3-60 5 5 575-3-80 D 460-3-60 D 460-3-60 B 208/230-3-60 B 208/230-3-60 D 460-3-60 HIGH SCCR D 460-3-60 B Manual Damper Dep B Manual Damper Dep C Economiser with Baromatric Relief Dep C Economiser with Baromatric Relief Dep C Economiser BAS with Modulating Power Exhaust Dep D Economiser BAS with Marometric Relief Dep C Economiser BAS with Marometric Relief Dep D Economiser BAS with Marometric Relief Dep C Economiser BAS with Marometric Relief Dep D Economiser With Baromatric Relief Dep D Economiser BAS with Marometric Relief Dep D Economiser With Baromatric Relief Dep D Economiser With Baromatric Relief Dep D Economiser With Baromatric Relief Dep D Economiser With Modulating Power Exhaust Dep D Economiser With Modulating Power Exhaust Dep D Economiser With Modulating Power Exhaust Dep D Economiser With Baromatric Relief Dual Enthalpy D Economiser With Modulating Power Exhaust Dual Enthalpy D Economiser With Modulating Power Exhaust Dual Enthalpy D Economiser With Modulating Power Exhaust Single Enthalpy D Economiser With Modulating Power Standard Expandation Single Enthalpy D Economiser With Modulating Power S	Depopulated version of UUT2 Depopulated version of UUT2	Interpolated Interpolated
Z IntelliSpeed w/ Bypass /Shaft Grounding Ring 4 Stage 2 208/230-3-60 4 460-3-60 5 575-3-60 B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser B Manual Damper C Economiser with Boromatric Relief D Economiser with Modulating Power Exhaust D EConomiser BAS with Baromatric Relief D Economiser BAS with Modulating Power Exhaust D Economiser with Modulating Power Exhaust D Economiser BAS with Modulating Power Exhaust D Economiser BAS with Modulating Power Exhaust D Economiser With Modulating Power Exhaust D Economiser With Modulating Power Exhaust D Economiser With Baromatric Relief D Economiser With Baromatric Relief, Single Enthalpy E Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Baromatric Relief, Joingle Enthalpy L Economiser with Bower Exhaust, Single Enthalpy Depop A Economiser with Bower Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Pow	Depopulated version of UUT2	Interpolated
4 4 660-3-60 5 5 575-3-60 B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR E 575-3-60 HIGH SCCR E 575-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser Dep B Manual Damper Dep C Economiser with Baromatric Relief D D Economiser with Modulating Power Exhaust D E Economiser BAS with Baromatric Relief D G Economiser BAS with Modulating Power Exhaust D H Economiser BAS with Modulating Power Exhaust D J Economiser BAS with Modulating Power Exhaust D J Economiser BAS with Modulating Power Exhaust D J Economiser BAS with Power Exhaust D J Economiser With Browartic Relief, Single Enthalpy Depop K Economiser with Modulating Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Dual Enthalpy E Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy S Exhaust Condenser and Evaporator Coil S Economiser with Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy S Exhaust Condenser and Evaporator Coil S Economiser W S Exhaust Condenser & ElectroFin Exporator Coil S Economiser W S Exhaust Condenser & Elect	N/A	UUT2
2 Voltage 5 S75-3-60 B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser B Manual Damper C Economiser with Baromatric Relief D Economiser with Modulating Power Exhaust F Economiser BAS with Barometric Relief D Economiser BAS with Barometric Relief D Economiser BAS with Power Exhaust F Economiser BAS with Power Exhaust D Economiser With Modulating Power Exhaust D Economiser With Modulating Power Exhaust D Economiser With Baromatric Relief, Single Enthalpy E Economiser with Baromatric Relief, Single Enthalpy E Economiser with Barometric Relief, Dual Enthalpy R Economiser with Barometric Relief, Dual Enthalpy S Economiser with Modulating Power Exhaust, Jual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy 1 Standard Condenser and ElectroFin Evaporator Coil 2 Standard Condenser and ElectroFin Evaporator Coil 3 ElectroFin Condenser & Standard Evaporator Coil 5 Standard Condenser and ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction 6 Standard Condenser and ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction 7 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction	N/A	UUT2,4
B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser Dep B Manual Damper Dep C Economiser with Baromatric Relief D D Economiser with Modulating Power Exhaust D E Economiser BAS with Modulating Power Exhaust D D Economiser With Power Exhaust D D Economiser with Baromatric Relief D D Economiser With B	N/A	UUT1
B 208/230-3-60 HIGH SCCR D 460-3-60 HIGH SCCR E 575-3-60 HIGH SCCR A No Economiser Dep Manual Damper Dep C Economiser with Baromatric Relief D D Economiser with Modulating Power Exhaust D E ECONOMISER MITH MODULATING POWER EXHAUST D G ECONOMISER MAS WITH BAROMATIC Relief D D ECONOMISER BAS WITH DOWER EXHAUST D G ECONOMISER BAS WITH DOWER EXHAUST D J ECONOMISER BAS WITH POWER EXHAUST D J ECONOMISER WITH MODULATING POWER EXHAUST D K ECONOMISER WITH MODULATING POWER EXHAUST, Single Enthalpy Depop K ECONOMISER WITH POWER EXHAUST, Single Enthalpy Depop Q ECONOMISER WITH POWER EXHAUST, Single Enthalpy Depop R ECONOMISER WITH POWER EXHAUST, DUAL Enthalpy S ECONOMISER WITH POWER EXHAUST. 1 Coils 1 Coils 1 Standard Condenser and ElectroFin Evaporator Coil S ELECTROFIN CONDENSER & ELECTROFIN Evaporator Coil with IBC / HCAI Seismic Unit Construction T ELECTROFIN CONDENSER & ELECTROFIN Evaporator Coil with IBC / HCAI Seismic Unit Construction ELECTROFIN CONDENSER & ELECTROFIN Evaporator Coil with IBC / HCAI Seismic Unit Construction ELECTROFIN CONDENSER & ELECTROFIN Evaporator Coil with IBC / HCAI Seismic Unit Construction ELECTROFIN CONDENSER & ELECTROFIN Evaporator Coil with IB	N/A	UUT3
E S75-3-60 HIGH SCCR A No Economiser Dep B Manual Damper Dep C Economiser with Baromatric Relief D D Economiser with Modulating Power Exhaust Deteromiser BAS with Modulating Power Exhaust D H Economiser BAS with Modulating Power Exhaust D J Economiser BAS with Power Exhaust D J Economiser With Baromatric Relief, Single Enthalpy Depop K Economiser with Modulating Power Exhaust, Single Enthalpy Depop Q Economiser with Power Exhaust, Single Enthalpy Depop Q Economiser with Barometric Relief, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Single En	Same as UUT2,4	Interpolated
A No Economiser Dep B Manual Damper Dep C Economiser with Baromatric Relief Dep C Economiser with Modulating Power Exhaust Dep E Economiser with Power Exhaust Dep E Economiser with Power Exhaust Dep E Economiser BAS with Barometric Relief Dep G Economiser BAS with Modulating Power Exhaust Dep E Economiser BAS with Modulating Power Exhaust Depop G Economiser BAS with Power Exhaust Depop E Economiser With Modulating Power Exhaust Depop E Economiser with Baromatric Relief, Single Enthalpy Depop E Economiser with Modulating Power Exhaust, Single Enthalpy Depop E Economiser with Barometric Relief, Dual Enthalpy Depop E Economiser with Modulating Power Exhaust, Dual Enthalpy E Economiser with Power Exhaust, Dual Enthalpy E S Economiser with Depoper Exhaust, Dual Enthalpy E S Econo	Same as UUT1 Same as UUT3	Interpolated Interpolated
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A Outdoor Air F Economiser with Modulating Power Exhaust F Economiser With Power Exhaust G Economiser BAS with Barometric Relief D H Economiser BAS with Modulating Power Exhaust D H Economiser BAS with Power Exhaust J Economiser BAS with Power Exhaust D H Economiser With Barometric Relief, Single Enthalpy Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Power Exhaust, Single Enthalpy Q Economiser with Barometric Relief, Dual Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Single Enthalpy S Economiser with Power Exhaust, Si	epopulated version of UUT1,2,3, 4	Extrapolated
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A Outdoor Air F Economiser BAS with Barometric Relief G Economiser BAS with Modulating Power Exhaust D H Economiser BAS with Power Exhaust D J Economiser with Barometric Relief, Single Enthalpy Depop K Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Modulating Power Exhaust, Single Enthalpy Depop Q Economiser with Power Exhaust, Single Enthalpy R Economiser with Power Exhaust, Single Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy S	Depopulated version of UUT1,4	Interpolated
A Outdoor Air G Economiser BAS with Modulating Power Exhaust D Economiser BAS with Power Exhaust D Economiser with Power Exhaust D Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Modulating Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Single Enthalpy D Economiser with Power Exhaust, Single Enthalpy D Economiser with Barometric Relief, Dual Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Barometric Relief, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy S Exhaust, Single Enthalpy S Exhaust	Depopulated version of UUT3	Interpolated
A Outdoor Air H Economiser BAS with Power Exhaust J Economiser with Baromatric Relief, Single Enthalpy K Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Power Exhaust, Single Enthalpy Q Economiser with Barometric Relief, Dual Enthalpy R Economiser with Barometric Relief, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy 1 Standard Condenser and Evaporator Coil 2 Standard Condenser and ElectroFin Evaporator Coil 4 ElectroFin Condenser & Standard Evaporator Coil 5 Standard Condenser and Evaporator Coil with IBC / HCAI Seismic Unit Construction 6 Standard Condenser and ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction 7 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction	Depopulated version of UUT2	Interpolated
J Economiser with Baromatric Relief, Single Enthalpy Depop K Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Power Exhaust, Single Enthalpy Q Economiser with Baromatric Relief, Dual Enthalpy R Economiser with Bower Exhaust, Dual Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy 1 Standard Condenser and Evaporator Coil 2 Standard Condenser and Evaporator Coil 3 ElectroFin Condenser & Standard Evaporator Coil 4 ElectroFin Condenser & Standard Evaporator Coil 5 Standard Condenser and ElectroFin Evaporator Coil Coils 6 Standard Condenser and ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction 7 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction	Depopulated version of UUT4 Depopulated version of UUT 3	Interpolated Interpolated
K Economiser with Modulating Power Exhaust, Single Enthalpy L Economiser with Power Exhaust, Single Enthalpy Depop Q Economiser with Barometric Relief, Dual Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Power Exhaust, Dual Enthalpy I Standard Condenser and Evaporator Coil Standard Condenser and Evaporator Coil I ElectroFin Condenser & Standard Evaporator Coil I ElectroFin Condenser & ElectroFin Evaporator Coil Standard Condenser and Evaporator Coil with IBC / HCAI Seismic Unit Construction Construction T Coils ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser and ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction	opulated version of UUT1 and UUT2	Interpolated
L Economiser with Power Exhaust, Single Enthalpy Depop Q Economiser with Barometric Relief, Dual Enthalpy R Economiser with Modulating Power Exhaust, Dual Enthalpy S Economiser with Modulating Power Exhaust, Dual Enthalpy 1 Standard Condenser and Evaporator Coil 2 Standard Condenser and Evaporator Coil 3 ElectroFin Condenser & Standard Evaporator Coil 4 ElectroFin Condenser & Standard Evaporator Coil 5 Standard Condenser and Evaporator Coil with IBC / HCAI Seismic Unit Construction 6 Standard Condenser and Evaporator Coil with IBC / HCAI Seismic Unit Construction 7 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & Standard Evaporator Coil with IBC / HCAI Seismic Unit Construction 8 ElectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI Seismic Unit Construction	N/A	UUT1
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/ Seismic Unit Construction BlectroFin Condenser & ElectroFin Evaporator Coil with IBC / HCAI	Same as tested in UUT2	Same
1 1 8 1	Same as tested in UUT3	Same
· · · · · · · · · · · · · · · · · · ·	Same as tested in UUT4	Same
	epopulated version of UUT1,2,3, 4	Interpolated
C Smart Equipment with COM	N/A	UUT1,2
	pokended by UUT1,2 and UUT3,4 pokended by UUT1,2 and UUT3,4	Interpolated Interpolated
L VERASYS Change over bypass Boo	N/A	UUT3,4

Model Number Nomenclature Chart (Continued)

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select





Sample Part Number

YORK® model number nomenclature

Υ	V	3	5	N	1	С	Р	2	Α	1	С	Α	Α	1	1	Α

A	JUT1,4 Interpolated JUT1,4 Interpolated JUT1,4 Interpolated JUT1,4 Interpolated JUT1,4 Interpolated
B	JUT1,4 Interpolated JUT1,4 Interpolated JUT1,4 Interpolated
C DIRTYFILTER SWITCH Depopulated version of U	JUT1,4 Interpolated JUT1,4 Interpolated
D SUPPLY AIR SMOKE DETECT Depopulated version of U	JUT1,4 Interpolated
E	
APS_DFS N/A	
H APS, SSD Depopulated version of U L APS, RSD Depopulated version of U L DES, SSD Depopulated version of U L DES, SSD Depopulated version of U DES, RSD DESOPULATED VERSION OF U DESOPULATED VERSION OF	
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A	JUT1,4 Interpolated
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A No Service Options No Service called B Phase Monitor (PHM) Depopulated version of U C Non-Power Convenience Outlet (NCQ) Depopulated version of U D Circuit Breaker (CB) Depopulated version of U E Disconnect Switch (DSC) Depopulated version of U F Powered Convenience Outlet (PCO) Depopulated version of U G PHM, CB H PHM, DSC Depopulated version of U D PHM, NCO Depopulated version of U D Depopulated version of U	UUT1,4
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A Service Options F Powered Convenience Outlet (PCO) Depopulated version of U G PHM, CB H PHM, DSC Depopulated version of U J PHM, NCO Depopulated version of U L CB, NCO Depopulated version of U L CB, NCO Sokended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2, DSC, N	IUT3,4 Interpolated
A Service Options G PHM, CB Bookended by UUT1,2, H PHM, DSC Depopulated version of U J PHM, NCO Bookended by UUT1,2, K PHM, PCO Depopulated version of U L CB, NCO N/A M CB, PCO Bookended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P OSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2, DSC, NCO Bookended by UUT1,2, DSC, NCO Bookended by UUT1,2, DSC, PCO Depopulated version of U DEPOPULATED TO BOOKENDED BOOK	UT1,2 Interpolated
A Service Options H PHM, DSC Depopulated version of U J PHM, NCO Bookended by UUT1,2, K PHM, PCO Depopulated version of U L GB, NCO N/A M CB, PCO Bookended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2, DEPOPULATED DE	UT1,2 Interpolated
A Service Options J PHM, NCO Bookended by UUT1,2, K PHM, PCO Depopulated version of U L CB, NCO N/A M CB, PCO Bookended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2,	
A Service Options K PHM, PCO Depopulated version of U L CB, NCO N/A M CB, PCO Bookended by UUT1,2, P OSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2, DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2, DSC, PCO Depopulated version of U DSC, PCO Depopulated version of U DSC, PCO Bookended by UUT1,2, DSC, PCO Bookended by	
L CB, NCO N/A M CB, PCO Bookended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2,	
M CB, PCO Bookended by UUT1,2, N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2,	
N DSC, NCO Bookended by UUT1,2, P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2,	UUT3,4
P DSC, PCO Depopulated version of U Q PHM, CB, NCO Bookended by UUT1,2,	
Q PHM, CB, NCO Bookended by UUT1,2,	
R PHM, CB, PCO Bookended by UUT1,2,	
S PHM, DSC, NCO Bookended by UUT1,2,	
T PHM, DSC, PCO N/A	UUT1,2
1 STANDARD Depopulated version of UU	T1,2,3,4 Interpolated
3 Low Ambient Head Pressure Control (HPC) Depopulated version of U	
1 Refrigeration 4 Modulating Hot Gas Reheat (HGR) Depopulated version of U	
A SERVICE VALVES (SV) Depopulated version of UU	
C HPC, SV N/A	UUT2,3
D HGR, SV N/A 1 Standard Throwaway Filter N/A	UUT1,4 UUT3
1 Standard Throwaway Filter N/A 2 2" Pleated Filter MERV 8 Depopulated version of U	
4 A" Pleated Filter MEDV 13 Depopulated version of I	
1 Additional Options 4 4 Fracteur niter in the No. 1 Depopulated version in 1 Depopulated versio	
6 2" Pleated, CG N/A	UUT1,2
7 4" Pleated, CG N/A	UUT4
A Standard Cabinet N/A	UUT2
B Hinged Access Panel (HAP) Depopulated version of U	JUT3,4 Interpolated
C Condensate Overflow Switch (COF) Depopulated version of UL	
D Double Wall (DBL) Depopulated version of	
E Stainless Steel Drain Pan (SSD) Depopulated version of U	
A Cabinet Options F HAP, SSD Depopulated version of	
G HAP, COF N/A	UUT3
H SSD, COF Depopulated version of U	
J DBL, SSD Depopulated version of U DBL, COF Depopulated version of U	
K DBL, COF Depopulated version of V L DBL, SSD, COF N/A	UUT1 Interpolated UUT1
M HAP, SSD, COF N/A	UUT4

Table 2 - Certified Subcomponents:

Refrigerant Compressor



		Refrigerant Compresso	r	
Model Number	Manufacturer	Material	Weight (lb)	Unit
DSH161A4ALC			155	UUT1
DSH140A3ALA			157	Interpolated
DSH140A4ALB			157	Interpolated
DSH140A7ALA			157	UUT3
DSH184A4ALC			159	Interpolated
DSH161A3ALA			162	Interpolated
DSH161A7ALA		- 600	162	Interpolated
DSH184A3ALA	Danfoss	Carbon Steel	168	UUT2
DSH184A7ALA	PA PARTIE DE LA PA		168	Interpolated
DSH240A7AAC	N		253	Interpolated
DSH240A3AAC			256	UUT4
DSH240A4AAC			256	Interpolated
DSH240E-3	8	OSP-0/42	302	UUT4
DSH240E-4			302	Interpolated
DSH240E-7	BY· N	Iohammad Kar	im 302	Interpolated
ZPT152KCE-TF5		W08888888888	186	Extrapolated
ZPT152KCE-TFD		T. 00/00/000	186	Extrapolated
ZPT152KCE-TFE	(C)	=: 06/28/202	186	Extrapolated
ZPT182KCE-TF5-270			190	UUT2
ZPT182KCE-TFD-270	Copeland	Carbon Steel	190	Interpolated
ZPT182KCE-TFE-270			190	Interpolated
ZPT134KCE-TF5	RNIA		205	Interpolated
ZPT134KCE-TFD	14	BLITIDING	205	Interpolated
ZPT134KCE-TFE		OILDIN	205	UUT3

Table 3 - Certified Subcomponents:

Blower Motors



			Blower Motors			
Model Number	Manufacturer	Voltage (V)	Power (HP)	Material	Weight (lb)	Unit
EM3311T-5		575	7.5		114	Extrapolated
EM3311T-5G	1	575	7.5	-	114	Extrapolated
EM3311T]	230-460	7.5		115	Extrapolated
EM3311T-G		230-460	7.5		115	Extrapolated
EM3313T-5]	575	10		123	Extrapolated
EM3313T-G		230-460	10		127	Extrapolated
EM3313T		230-460	10	Rolled Carbon Steel/ Cast Iron	128	UUT1
EM3313T-5G	Baldor	575	CODF		132	Interpolated
EM2513T-G	Вашот	230-460	15		210	Interpolated
EM2513T-5G		575	15		210	Interpolated
EM2513T		230-460	15		211	Interpolated
EM2515T	O REV	230-460	20		225	UUT4
EM2515T-G		230-460)SP ₂ 0742	arim	227	UUT2
EM2515T-5		575	20		227	Interpolated
EM2515T-5G		□575 • 1	ham ²⁰ ad k		250	Interpolated
EM2513T-5		575	15		273	UUT3



Table 4 - Certified Subcomponents:

Outdoor Motors



	Outdoor Motors											
Model Number	Manufacturer	Voltage (V)	Power (HP)	Material	Weight (lb)	Unit						
056T11O15586	Regal Beloit	208-230	1		28	UUT2						
056T11O15587		460	1	Rolled Carbon Steel /Cast Iron	28	UUT1						
056T11ORO40017A1		575	1		28	UUT3						
56T11ORO40013A1		460	2		48	Interpolated						
56T11ORO40014A1		575	2		48	Interpolated						
56T11ORO40012A1		208-230	2		48	UUT4						



Table 5 - Certified Subcomponents:

Condenser Coils



	Condenser Coils											
Model Number	Manufacturer	Description	Dimensions (total ft^2)	Material	Weight (lb)	Unit						
X005- JC334-1	Sanhua	MC, 20MM X 47.1 X 80.7	26		49	Interpolated						
X006-JC328		MC, 20MM X 51.9 X 80	29	Aluminum & Copper	56	UUT2						
X005- JC335-1		MC, 20MM X 56.7 X 80.7	32		60	UUT1						
X006-JC326		MC, 25MM X 51.9 X 80.9	29		67	Interpolated						
5876471		MC EF, 20MM X 47.1 X 80.7	26	Aluminium & Copper	49	UUT3						
5876474		MC EF, 20MM X 51.9 X 80	29		56	Interpolated						
5876472		MC EF, 20MM X 56.7 X 80.7	32		60	Interpolated						
5876476		MC EF, 25MM X 51.9 X 80.9	29		67	UUT4						



Table 6 - Certified Subcomponents:

Evaporator Coils



Evaporator Coils										
Model Number	Manufacturer	Description	Dimensions (total ft^2)	Material	Weight (lb)	Unit				
5751772		ASM EVAP COIL,STD,28-30T	34		210	UUT3				
5876477		PURCHASE LEVEL EVAP GALV 27.5/30T, EF	34		210	Interpolated				
5876478		PURCHASE LEVEL EVAP GALV 35T, EF	34		280	Interpolated				
5751771		ASM EVAP COIL,STD,35T	34	Aluminum, Carbon	280	Interpolated				
5751770		ASM EVAP COIL,STD,40T	39	Steel & Copper	320	Interpolated				
5876524		PURCHASE LEVEL EVAP GALV 40T, EF	39		320	UUT2				
5751769		ASM EVAP COIL,STD,50T	39		400	Interpolated				
5876525	JCI	PURCHASE LEVEL EVAP GALV 50T, EF	39		400	Interpolated				
5840184	JCI	ASM EVAP COIL,STD SS 28-30T	34	4	210	UUT1				
5876526		PURCHASE LEVEL EVAP SS 27.5/30T, EF	34	2	210	Interpolated				
5840185		ASM EVAP COIL,STD SS 35T	34	5	280	Interpolated				
5876527		PURCHASE LEVEL EVAP SS 35T, EF	34	Aluminum,	280	Interpolated				
5840186		ASM EVAP COIL,STD SS 40T	39	Stainless Steel & Copper	320	Interpolated				
5876528		PURCHASE LEVEL EVAP SS 40T, EF	laring ₉	O	320	Interpolated				
5876529		PURCHASE LEVEL EVAP SS 50T, EF	39		400	UUT4				
5840187		ASM EVAP COIL,STD \$\$ 50728/2	2239	6	400	Interpolated				

Table 7 - Certified Subcomponents:

Hot Gas Reheat Coils



Hot Gas Reheat Coils									
Model Number	Manufacturer	Description	Dimensions (total ft^2)	Material	Weight (lb)	Unit			
X003-JC347		MC 20MM X 73.4 X 35.6	18	Aluminum	37	UUT1			
X003-JC340	Sanhua	MC 20MM X 73.4 X 48.6	24	Aldillillalli	47	Same as UUT4 ²			
5876547	Samua	MC EF 20MM X 73.4 X 35.6	18	Aluminium	37	Same as UUT1 ¹			
5876548		MC EF 20MM X 73.4 X 48.6	24	Alammam	47	UUT4			

- 1. Same as tested in UUT1, but with anti-corrosion coating. Coating tested in condenser and evaporator coils.
- 2. Same as tested in UUT4, but without anti-corrosion coating. Coating tested in UUT4.

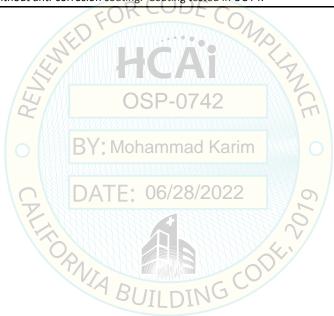


Table 8 - Certified Subcomponents:

Service Valves



Service Valves										
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit					
AP17863		BALL VALVE 3/4		1	UUT1					
AP17864C		BALL VALVE 7/8		1	UUT3					
AP17865	Mueller	BALL VALVE 1-1/8	Brass & Copper	2	UUT1,2,3,4					
A17866		BALL VALVE 1-3/8		3	Interpolated					
A17867		BALL VALVE 1-5/8		4	UUT2,4					



Table 9 - Certified Subcomponents:

Variable Frequency Drives



Variable Frequency Drives										
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit					
131N0229		FC101 575V 7.5 HP VFD		15	Extrapolated					
131N0231		FC101 575V 10 HP VFD] [15	Extrapolated					
131L9867		FC101 460V 7.5 HP VFD] [16	Extrapolated					
131L9868		FC101 460V 10 HP VFD		16	Extrapolated					
131L9799		FC101 208V 10 HP VFD] [17	Interpolated					
131L9869		FC101 460V 15 HP VFD		17	Interpolated					
131L9870	Danfoss	FC101 460V 20 HP VFD	Plastic & Electronics Component	17	Interpolated					
131L9798		FC101 208V 7.5 HP VFD	Component	17	Interpolated					
131L9800		FC101 208V 15 HP VFD	1/2)	21	Interpolated					
131N0233		FC101 575V 15 HP VFD	ONS, EX	25	UUT3					
131N0235		FC101 575V 20 HP VFD		25	Interpolated					
131L9805	REVI	FC101 208V 20 HP VFD	42	54	UUT2					
131L9813		FC101 208V 25 HP VFD	12	54	Interpolated					
VFD68BHG-502C		VFD68-3HP 200/230V	I/arina	3	UUT2					
VFD68CHH-502C	O	VFD68-3HP 460V	Karim O	3	Interpolated					
VFD68CJJ-502C	JCI	VFD68-5HP 460V	Plastic & Electronics	3	Interpolated					
VFD68BJK-502C		VFD68-5HP 200/230V	202@component	4	Interpolated					
VFD68DHM-502C	P	VFD68-3HP 575V		4	Interpolated					
VFD68DJN-502C		VFD68-5HP 575V		8	UUT3					
		PNIA BUILDIN	AG CODE,							

Special Seismic Certification Table 10 - Certified Subcomponents: Economizer



Economizer										
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit					
8330058B		Manual OA Damper, 0-100%, Small Cabinet		85	Extrapolated					
8345058H		Baro Relief HF, Factory, 28-35T		90	Extrapolated					
8345059H		Baro Relief HF, Factory, 40-50T		104	UUT2					
8330059B		Manual OA Damper, 0-100%, Large Cabinet		120	Interpolated					
8346558H-23		Pwr Exh HF, Factory (208/230V) 28-35T		211	Interpolated					
8346558H-33		Pwr Exh HF, Factory (460V) 28-35T		211	Interpolated					
8346558H-43		Pwr Exh HF, Factory (575V) 28-35T		211	Interpolated					
8346559H-23		Pwr Exh HF, Factory (208/230V) 40-50T		225	UUT4					
8346559H-33		Pwr Exh HF, Factory (460V) 40-50T		225	Interpolated					
8346559H-43		Pwr Exh HF, Factory (575V) 40-50T		225	Interpolated					
8345058		Baro Relief DF, Factory, C1 (27.5-35T)	7	230	Interpolated					
8345059	/	Baro Relief DF, Factory, C2		285	Interpolated					
83368B58	Ruskin Rooftop	Econ Low Leak DF,C1 (27.5-35T)	G <mark>alvaniz</mark> ed	307	UUT1,3					
8336858	Systems	Econ Low Leak DF, BAS,C1 (27.5-35T)	Car <mark>bon St</mark> eel	307	Interpolated					
8346558-23		Pwr Exh CV, Factory (208/230V),C1 (27.5-35T)		314	Interpolated					
8346558-33	\	Pwr Exh CV, Factory (460V),C1 (27.5-35T)		314	UUT1					
8346558-43	\	Pwr Exh CV, Factory (575V),C1 (27.5-35T)	0	314	UUT3					
83368B59	\	Econ Low Leak DF,C2 (40-50T)	75/	359	Interpolated					
8336859		Econ Low Leak DF, BAS,C2(40-50T)	\sim	359	Interpolated					
8346559-23		Pwr Exh CV, Factory (208/230V),C2 (40-50T)	<-\'\	390	Interpolated					
8346559-33		Pwr Exh CV, Factory(460V),C2 (40-50T)		390	Interpolated					
8346559-43		Pwr Exh CV, Factory (575V),C2 (40-50T)		390	Interpolated					
83398B58		Econ Low Leak HF w/ OA Hood,C1		398	Interpolated					
8339858		Econ Low Leak HF w/ OA Hood, BAS, C1		398	Interpolated					
83398B59		Econ Low Leak HF w/ OA Hood,C2		425	UUT2,4					
8339859		Econ Low Leak HF w/ OA Hood, BAS, C2		425	Extrapolated					

Table 11 - Certified Subcomponents:

Electric Heater



	Electric Heater										
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit						
100-490838-01		ELEC. HEAT 240V 36kW		80	Extrapolated						
100-490838-03		ELEC. HEAT 480V 36kW		80	Extrapolated						
100-490838-02		ELEC. HEAT 240V 54kW		90	UUT4						
100-490838-04		ELEC. HEAT 480V 54kW		90	Interpolated						
100-490838-05		ELEC. HEAT 480V 72kW	Nickel Chrome Alloy Galvanized Carbon Steel	90	Interpolated						
100-490838-06	Backer EHP	ELEC. HEAT 480V 90kW		90	Interpolated						
100-490838-07		ELEC. HEAT 480V 108kW	Galvanized Carbon Steel	90	Interpolated						
100-490838-08		ELEC. HEAT 600V 54kW	DECO	90	Interpolated						
100-490838-09		ELEC. HEAT 600V 72kW	WWW.	90	Interpolated						
100-490838-10		ELEC. HEAT 600V 90kW	COMP	90	UUT3						
100-490838-11		ELEC. HEAT 600V 108kW		90	Extrapolated ¹						
1. Extrapolated he	ater is same as test	ed in UUT3									



Table 12 - Certified Subcomponents:

Gas Heater



Gas Heater Gas Heater									
Model Number	Manufacturer	Description ¹	Material	Weight (lb)	Unit				
5783894		ASM 5 TUBE GH, 220K, 3.25" R, AL		105	Interpolated				
5783888		ASM 9 TUBE GH, 400K, 3.25" R, AL	Aluminized Carbon Steel	155	Interpolated				
5783889		ASM 9 TUBE GH, 400K, 4" R, AL		155	Interpolated				
5783890		ASM 9 TUBE GH, 400K, 3.5" R, AL		155	UUT2				
5783895		ASM 5 TUBE GH, 220K, 3.25" R, SS		105	UUT1				
5783891	JCI	ASM 9 TUBE GH, 400K, 3.25" R, SS		155	Interpolated				
5783892		ASM 9 TUBE GH, 400K, 4" R, SS		155	Interpolated				
5783893		ASM 9 TUBE GH, 400K, 3.5" R, SS	Stainless Steel	155	Interpolated				
5954946		ASM 9 TUBE MGH 400K, 4" R, SS	190,	155	Interpolated				
5954935		ASM 9 TUBE MGH 400K, 3.5" R, SS		155	Interpolated				
5954934	,	ASM 9 TUBE MGH 400K, 3.25" R, SS		155	UUT1				



Table 13 - Certified Subcomponents:

Filters



Filters										
Model Number	Manufacturer Description		Material	Weight (lb)	Unit					
276-200-200-058	Koch Filter	20X20X2 Disposable	Fiberglass	< 1	UUT3					
276-200-250-058		20X25X2 Disposable	Finergiass	< 1	UUT3					
102-701-019		20X20X2 Pleated, MERV 8	Polypropylene Fibers	1	UUT1,2					
102-740-021	Corporation	20X25X2 Pleated, MERV 8		1	UUT1,2					
102-714-028		20X20X4 Pleated, MERV 13		1	UUT4					
102-714-030		20X25X4 Pleated, MERV 13		2	UUT4					



Table 14 - Certified Subcomponents:

Miscellaneous



Miscellaneous										
Model Number	Manufacturer	Description	Material	Weight (lb)	Unit					
BBIZE-15 1/2X7/8 EQ 1/4 ODF 5'		Valve	Copper & Brass	2	UUT1					
1135-14-3/16-10-42" B		Valve	Copper & Brass	3	UUT1,3					
OZE-25 7/8X1 3/8 EQ 1/4 ODF 5'		Valve	Copper & Brass	5	Interpolated					
OZE-20 7/8X1 3/8 EQ 1/4 ODF 5'	Sporlan	Valve	Copper & Brass	5	UUT2					
1126-20-3/16-12-42" B		Valve	Copper & Brass	6	Interpolated					
1126-22-3/16-12-42" B		Valve	Copper & Brass	6	UUT2					
1128-28-3/16-12-48" B		Valve	Copper & Brass	9	UUT4					
97647	Rectorseal	Condensate Overflow Switch 24V	Plastic	<1	UUT1					
5758866	Gexpro	Condensate Overflow Switch 24V	Plastic	<1	UUT2,3,4					
GS2AH130	Schneider Electric	Handle Disconnect Switch	Plastic	<1	UUT1,2,3,4					
LK4JU3N		100A Non Fusible Disconnect Switch	Plastic	5	UUT1					
LK4MU3N	Schneider Electric	200A Non Fusible Disconnect Switch	Plastic	5	Interpolated					
LK4QU3N		400A Non Fusible Disconnect Switch	Plastic	14	UUT2					
GS2JU3N	DV	100A Fusible Disconnect Switch	Plastic	6	Extrapolated					
GS2MU3N	Schneider Electric	200A Fusible Disconnect Switch	Plastic	8	UUT3					
GS2QU3N		400A Fusible Disconnect Switch	Plastic	15	UUT4					
P32AF-2D	O JCI DA	Differential Pressure Switch	Plastic	<1	UUT1,2,3,4					
D4SB	System Sensor	Smoke Detector Sensor	Plastic	3	UUT1,2,3,4					
1782349	Ayrshire	Furnace control, modulating	Plastic & Electronics	<1	UUT1					
1217-100	United Technologies	Control spark, modulating	Plastic & Electronics	<1	UUT1					
IB-G	Sporlan	I/O Board L=76.20mm W=76mm	Plastic & Electronics	<1	UUT1,4					
SE-SPU1002-7		Circuit Board SSE, 2 stage, no comm.	Plastic & Electronics	<1	Extrapolated					
SE-SPU1012-7	161	Circuit Board SSE, 2 stage, w/ comm.	Plastic & Electronics	<1	UUT2,3					
SE-SPU1004-7	JCI	Circuit Board SSE, 4 stage add on	Plastic & Electronics	<1	Interpolated					
SE-ECO1001-7]	Economizer controller	Plastic & Electronics	<1	UUT1,2,3,4					
1171-64	United Technologies	Direct spark ignition module	Plastic & Electronics	<1	UUT2					

Table 15 - Tested Units



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Tested Product Construction: Powder Coated Carbon Steel Enclosure

Tested Mounting Description: Rigid Roof Curb Mounted

		Dimensions (inches)			Operating	Nominal Cooling	Tested Unit	Sds (g),	
Product Line	Model Number	Baserail Depth	Baserail Width	Height	Weight (lb)	Capacity (Tons)	Mounting	z/h=1	Unit
Select / Sun Select /	YV30T3CV4K1C8TD6L	180	90	70	5,430	30	Rigid Curb	1.4	UUT1
OmniSelect / Relia	YH40N1DZ2Q2CGTC6A	232	90	77	6,220	40	Rigid Curb	1.4	UUT2
Select / Optimum	YV28E3DJ5S3LGLC1G	180	90	70	5,002	28	Rigid Curb	1.4	UUT3
Select	YH50E1DV2R4L8LD7M	232	90	_ 77	6,787	50	Rigid Curb	1.4	UUT4



UNIT UNDER TEST (UUT) UUT1 Summary Sheet



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Model Number: YV30T3CV4K1C8TD6L

Product Construction Summary:Powder coated carbon steel enclosure

Options / Component Summary:

Refrigerant compressor, blower motor, outdoor motor, condenser coil, evaporator coil, hot gas reheat coil, service valves, economizer, gas heaters, filters, flow control valve, condensate overflow switch, handle disconnect switch, nonfusible disconnect switch, differential pressure switch, smoke detector sensor, furnace control board, spark control board, I/O board, economizer controller

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.

	/	7	UU	r Propertion	es				
Operating Weight	14	Dimension	ons (inche		Lowest Natural Frequency (Hz)				
(lb)	Baserail Depth	Baserai	Baserail Width		eight	ght Front-Back	Side-Side	Vertical	
5,430	180	90 OSP		9-072	70	6.0	7.4	6.2	
		XXXXXXXX	Seismic	Test Parai	neters				
Building Code	Test <mark>Criteri</mark> a	Sds (g)	M z/ hai	nmad	Aflx-H (g)	Arig <mark>-H (g)</mark>	Aflx-V (g)	Arig-V (g)	
CBC 2019	ICC-E <mark>S AC15</mark> 6	1.40	1.0	1.5	2.24	1.68	0.93	0.37	

Unit Mounting Description:

UUT1 was mounted to a VMC P-6000S non-isolated roof curb (drawing VMA-53946A). The curb was mounted to the shake table interface fixture with eight (8) hold-down stanchions. There were two hold-downs on the rail on one end of the unit, spaced approximately 72" on-center. There were three hold-downs on each long side of the unit, spaced approximately 60" on-center. Each hold-down was attached to the fixture with two (2) ½"-13 SAE grade 5 hex bolts, washers, and lock washers torqued to 75 ft-lb, for a total of sixteen (16) bolts. Corresponding with each hold-down location, there was a slotted lock down angle and ½"-13 SAE grade 5 hex bolt, washer and nut, attaching the unit to the curb. Each angle was field-welded to the unit overhang with a 3/8" fillet weld. The unit base rail was also welded to the curb with 3" long by 3/8" fillet welds spaced approximately 6" apart.



Overall view of UUT1

UNIT UNDER TEST (UUT) UUT2 Summary Sheet



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Model Number: YH40N1DZ2Q2CGTC6A

Product Construction Summary:

Powder coated carbon steel enclosure

Options / Component Summary:

Refrigerant compressors, blower motor, outdoor motor, condenser coil, evaporator coil, service valves, VFDs, economizer, gas heater, filters, flow control valve, condensate overflow switch, handle disconnect switch, nonfusible disconnect switch, differential pressure switch, smoke detector sensor, circuit board, economizer controller, direct spark ignition module

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.

	7.5		UU1	Properti	es			
Operating Weight	14	Dimensi	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Baserail Depth	Basera	Baserail Width Height		Front-Back	Side-Side	Vertical	
6,220	232	g	90 OSP-07		77	7.6	4.9	9.8
		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Seismic 1	Test Parai	meters			
Building Code	Test <mark>Criteri</mark> a	Sds (g)	M z/h ar	nmead	Aflx-H (g)	Arig <mark>-H (g)</mark>	Aflx-V (g)	Arig-V (g)
CBC 2019	ICC-E <mark>S AC15</mark> 6	1.40	1.0	1.5	2.24	1.68	0.93	0.37

Unit Mounting Description:

UUT2 was mounted to a VMC P-6000S non-isolated roof curb (drawing VMA-53946B). The curb was mounted to the shake table interface fixture with eight hold-down stanchions. There were two hold-downs on the rail on one end of the unit, spaced approximately 72" on-center. There were three hold-downs on each long side of the unit, spaced approximately 72" on-center. Two of the three hold-downs on each long side of the unit were attached to the shake table interface fixture with three 1 ½" long by 3/8" fillet welds per hold-down. The remaining 4 hold-downs were each attached to the fixture with two (2) ½"-13 SAE grade 5 hex bolts, washers, and lock washers torqued to 75 ft-lb, for a total of eight (8) bolts. Corresponding with each hold-down location, there was a slotted lock down angle and ½"-13 SAE grade 5 hex bolt, washer and nut torqued to 75 ft-lb, attaching the unit to the curb. Each angle was field-welded to the unit overhang with a 3/8" fillet weld. The unit base rail was also welded to the curb with 3" long by 3/8" fillet welds spaced approximately 6" apart.



Overall view of UUT2

UNIT UNDER TEST (UUT) UUT3 Summary Sheet



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Model Number: YV28E3DJ5S3LGLC1G

Product Construction Summary:Powder coated carbon steel enclosure

Options / Component Summary:

Refrigerant compressors, blower motor, outdoor motor, condenser coil, evaporator coil, service valves, VFDs, economizer, electric heater, filters, flow control valve, condensate overflow switch, handle disconnect switch, fusible disconnect switch, differential pressure switch, smoke detector sensor, circuit board, economizer controller

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.

	/		וטט	Properti	es //)							
Operating Weight (lb)	/,5	Dimensi	ons (inche	Lowest Natural Frequency (Hz)									
	Baserail Depth	Baserail Width		Height		Front-Back	Side-Side	Vertical					
5,002	180	9	0 001	7,70		6.2	8.1	6.4					
Seismic Test Parameters													
Building Code	Test <mark>Criteri</mark> a	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)					
CBC 2019	ICC-ES AC156	1.40	M <u>al</u> gar	nm <u>.</u> ad	Ka.241	1.68	0.93	0.37					

Unit Mounting Description:

UUT3 was mounted to a VMC P-6000S non-isolated roof curb (drawing VMA-53946A). The curb was mounted to the shake table interface fixture with eight (8) hold-down stanchions. There were two hold-downs on the rail on one end of the unit, spaced approximately 72" on-center. There were three hold-downs on each long side of the unit, spaced approximately 60" on-center. Each hold-down was attached to the fixture with two (2) ½"-13 SAE grade 5 hex bolts, washers, and lock washers torqued to 75 ft-lb, for a total of sixteen (16) bolts. Corresponding with each hold-down location, there was a slotted lock down angle and ½"-13 SAE grade 5 hex bolt, washer and nut torqued to 75 ft-lb, attaching the unit to the curb. Each angle was field-welded to the unit overhang with a 3/8" fillet weld. The unit base rail was also welded to the curb with 3" long by 3/8" fillet welds spaced approximately 6" apart.



Overall view of UUT3

UNIT UNDER TEST (UUT) UUT4 Summary Sheet



DCL Project Number: 35176-2001

Manufacturer: York (Johnson Controls)

Product Line: Select / Sun Select / OmniSelect / Relia Select / Optimum Select

Model Number: YH50E1DV2R4L8LD7M

Product Construction Summary:

Powder coated carbon steel enclosure

Options / Component Summary:

Refrigerant compressors, blower motor, outdoor motor, condenser coil, evaporator coil, hot gas reheat coil, service valves, economizer, electric heater, filters, flow control valve, condensate overflow switch, handle disconnect switch, fusible disconnect switch, differential pressure switch, system sensor

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)	/.5	ons (inche	Lowest Natural Frequency (Hz)										
	Baserail Depth	Baserai	l Width	MY /X H	eight	Front-Back	Side-Side	Vertical					
6,787	232	90		0.77	77	13.0	5.0	8.8					
Seismic Test Parameters													
Building Code	Test <mark>Criteri</mark> a	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)					
CBC 2019	ICC-E <mark>S AC15</mark> 6	1.40	Malaar	n na.51 d	Karan	1.68	0.93	0.37					

Unit Mounting Description:

UUT4 was mounted to a VMC P-6000S non-isolated roof curb (drawing VMA-53946B). The curb was mounted to the shake table interface fixture with eight (8) hold-down stanchions. There were two hold-downs on the rail on one end of the unit, spaced approximately 72" on-center. There were three hold-downs on each long side of the unit, spaced approximately 72" on-center. Each hold-down was attached to the fixture with two (2) ½"-13 SAE grade 5 hex bolts, washers, and lock washers torqued to 75 ft-lb, for a total of sixteen (16) bolts. Corresponding with each hold-down location, there was a slotted lock down angle and ½"-13 SAE grade 5 hex bolt, washer and nut torqued to 75 ft-lb, attaching the unit to the curb. Each angle was field-welded to the unit overhang with a 3/8" fillet weld. The unit base rail was also welded to the curb with 3" long by 3/8" fillet welds spaced approximately 6" apart.



Overall view of UUT4