



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP – 0297

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Daikin North America, LLC

Manufacturer's Technical Representative: Madhav Kashinath

Mailing Address: Daikin Texas Technology Park, 19001 Kermier Road, Waller, TX, 77484

Telephone: (713) 346-6650

Email: Madhav.Kashinath@daikincomfort.com

Product Information

Product Name: Split System, Quaternary, SkyAir, VRV III-S, VRV III, VRV IV, VRV IV-S

Product Type: Split Air Conditioning Units

Product Model Number: Varies, see attachment.

(List all unique product identification numbers and/or part numbers)

General Description: Indoor and outdoor heating and cooling units steel enclosures.

Modifications made to test units to address anomalies observed during testing shall be incorporated into production units.

Mounting Description: Rigid base mounted, rigid wall mounted, and ceiling suspended.

Applicant Information

Applicant Company Name: Structural Integrity Associates, Inc. dba TRU Compliance

Contact Person: Andrew M. Coughlin, SE

Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138

Telephone: 844-878-0200

Email: acoughlin@structint.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 8/9/2019

Title: Director, TRU Compliance Company Name: Structural Integrity Associates, Inc.

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: Structural Integrity Associates, Inc.

Name: Matthew Tobolski, PhD, SE

California License Number: S5648

Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138

Telephone: 844-878-0200

Email: mtobolski@structint.com

Supports and Attachments Preapproval

- ☐ Supports and attachments are preapproved under OPM-
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- ☒ Supports and attachments are not preapproved

Certification Method

☒ Testing in accordance with: ☒ ICC-ES AC156

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: Environmental Testing Laboratory

Contact Name: Jeremy Lange

Mailing Address: 11034 Indian Trail, Dallas, TX 75229

Telephone: 972.247.9657

Email: Paul@etldallas.com

Company Name: Clark Testing

Contact Name: Russ Matich

Mailing Address: 1801 Route 51, Jefferson Hills, PA 15025

Telephone: 412-387-1025

Email: rmatich@clarktesting.com

Company Name: QualTech NP by Curtiss-Wright

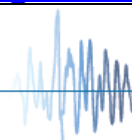
Contact Name: Jason VonNida

Mailing Address: 4600 East Tech Drive, Cincinnati, OH 45245

Telephone: 513-201-2139

Email: jvonnida@curtisswright.com

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Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: ☒ Yes ☐ No

Design Basis of Equipment or Components (F_p/W_p) = 1.50 ($S_{DS} = 2.00$, $z/h = 1$); 1.13 ($S_{DS} = 2.50$, $z/h = 0$)

S_{DS} (Design spectral response acceleration at short period, g) = 2.00 ($z/h = 1$); 2.50 ($z/h = 0$)

a_p (In-structure equipment or component amplification factor) = 2.5

R_p (Equipment or component response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1 ($S_{DS} = 2.00$); 0 ($S_{DS} = 2.50$)

Equipment or Component Natural Frequencies (Hz) = See Attachment

Overall dimensions and weight (or range thereof) = See Attachment

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: ☐ Yes ☒ No

Design Basis of Equipment or Components (V/W) = _____

S_{DS} (Design spectral response acceleration at short period, g) = _____

S_{D1} (Design spectral response acceleration at 1 second period, g) = _____

R (Response modification coefficient) = _____

Ω_0 (System overstrength factor) = _____

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = 1.5

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2015: ☐ Yes ☒ No

List of Attachments Supporting Special Seismic Certification

☒ Test Report(s) ☐ Drawings ☐ Calculations ☒ Manufacturer's Catalog

☒ Other(s) (Please Specify): Attachment A

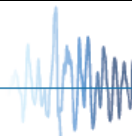
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025

Signature: Timothy J. Piland Date: November 24, 2020

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to: S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable): _____



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC						TABLE 1	
Model Line: Outdoor Heat Pumps and Recovery Units							
Certified Product Construction Summary: Carbon steel cabinet. Seismic enhancements and enhanced mounting as indicated.							
Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0\text{ g}$ $z/h=1.0$ $S_{DS}= 2.5\text{ g}$ $z/h=0.0$ $I_p= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Pump (Split System, Quaternity, SkyAir) 9,000 to 36,000 BTU/hr; Qualified design categories: L	RXS09_VJU ¹	11.3	30.1	21.6	75		1
	RXG09_VJU ¹	11.2	31.3	22.4	99		Interp.
	RXS12_VJU ¹	11.3	30.1	21.6	75		Interp.
	RXG12_VJU ¹	11.2	31.3	22.4	99		Interp.
	RXS15_VJU ¹	11.8	32.5	28.9	104		Interp.
	RXG15_VJU ¹	11.2	31.3	22.4	99		Interp.
	RXS18_VJU ¹	11.8	32.5	28.9	104		Interp.
	RXS24_VJU ¹	12.6	35.4	30.3	159		2
	RKS30_VJU ^{1,2}	12.6	37.0	38.9	179		Interp.
	RXS30_VJU ^{1,2}	12.6	37.0	38.9	179		Interp.
	RKS36_VJU ^{1,2}	12.6	37.0	38.9	179		Interp.
	RXS36_VJU ^{1,2}	12.6	37.0	38.9	179		3
Outdoor Heat Pump (SkyAir) 18,000 to 30,000 BTU/hr; Qualified design categories: P	RZR18_VJU ¹	12.6	35.4	30.3	150		Extrap.
	RZQ18_VJU ¹	12.6	35.4	30.3	150		Extrap.
	RZR24_VJU ¹	12.6	35.4	30.3	150		Extrap.
	RZQ24_VJU ¹	12.6	35.4	30.3	150		Extrap.
	RZR30_VJU ¹	12.6	35.4	30.3	150		Extrap.
	RZQ30_VJU ¹	12.6	35.4	30.3	150		4

¹Requires seismic enhancements: (4) ties from grille to unit frame, ties made of stainless steel 15" length by 3/16" width.

²Requires mounting w/ (4) 1/16"x1-1/2" angled aluminum straps approximately 30° relative to vertical surface of the unit with (2) #10 SMS to top of unit & 1/4"Ø bolt to floor

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



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Certified Options Summary:								
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.								
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0\text{ g}\quad z/h=1.0$ $S_{DS}= 2.5\text{ g}\quad z/h=0.0$ $I_p= 1.5$		
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT	
		Depth	Width	Height				
Outdoor Heat Pump (SkyAir, VRV-S) 36,000 to 47,500 BTU/hr; Qualified design categories: P	RZQ36_VJU ^{1,2}	12.6	35.4	52.9	283		Interp.	
	RZR36_VJU ^{1,2}	12.6	35.4	52.9	283		Interp.	
	RXYMQ36_VJU ^{2,3}	12.6	35.4	52.9	283		Interp.	
	RZQ42_VJU ^{1,2}	12.6	35.4	52.9	283		Interp.	
	RZR42_VJU ^{1,2}	12.6	35.4	52.9	283		Interp.	
	RXYMQ48_VJU ^{2,3}	12.6	35.4	52.9	283		5	
Outdoor Heat Pumps (VRV) 72,000 to 360,000 BTU/hr (cooling capacity); Qualified design categories: PA, PB, PC	RXYQ72_TJU	30.1	36.7	66.1	420		Extrap.	
	RXYQ72_YDN	30.1	36.7	66.1	433		Extrap.	
	RXYQ96_TJU	30.1	48.9	66.1	620		8	
	RXYQ96_YDN	30.1	48.9	66.1	633		Interp.	
	RXYQ120_TJU	30.1	48.9	66.1	620		Interp.	
	RXYQ120_YDN	30.1	48.9	66.1	633		Interp.	
	RXYQ144_TJU	30.1	51.2	66.1	747		Interp.	
	RXYQ144_YDN	30.1	73.3	66.1	866		2 x RXYQ72	Interp.
	RXYQ168_TJU	30.1	85.5	66.1	1040		RXYQ72 + RXYQ96	Interp.
	RXYQ168_YDN	30.1	85.5	66.1	1066		RXYQ72 + RXYQ96	Interp.
	RXYQ192_TJU	30.1	85.5	66.1	1040		RXYQ72 + RXYQ120	Interp.
	RXYQ192_YDN	30.1	85.5	66.1	1066		RXYQ72 + RXYQ120	Interp.
	RXYQ216_TJU	30.1	97.8	66.1	1240		RXYQ96 + RXYQ120	Interp.

¹Requires seismic enhancements: (4) ties from grille to unit frame, ties made of stainless steel 15" length by 3/16" width.

²Requires mounting w/ (4) 1/16"x 2" angled aluminum straps approximately 30° relative to vertical surface of the unit with (2) #10 SMS to top of unit & 1/4"Ø bolt to floor.

³Requires seismic enhancements: #10 SMS top cover to frame & (10) #10 SMS compressor cover to frame (RXYMQ)

¹Requires seismic enhancements: (4) ties from grille to unit frame, ties made of stainless steel 15" length by 3/16" width.

²Requires mounting w/ (4) 1/16"x 2" angled aluminum straps approximately 30° relative to vertical surface of the unit with (2) #10 SMS to top of unit & 1/4"Ø bolt to floor.

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Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0 g \quad z/h=1.0$ $S_{DS}= 2.5 g \quad z/h=0.0$ $I_p= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Pumps (VRV) 72,000 to 360,000 BTU/hr (cooling capacity); Qualified design categories: PA, PB, PC	RXYQ216_YDN	30.1	97.75	66.1	1266	RXYQ96 + RXYQ120	Interp.
	RXYQ240_TJU	30.1	97.8	66.1	1240	2 x RXYQ120	Interp.
	RXYQ240_YDN	30.1	97.8	66.1	1266	2 x RXYQ120	Interp.
	RXYQ264_TJU	30.1	134.4	66.1	1660	RXYQ72 + 2 x RXYQ96	Interp.
	RXYQ264_YDN	30.1	134.4	66.1	1699	RXYQ72 + 2 x RXYQ96	Interp.
	RXYQ288_TJU	30.1	134.4	66.1	1660	RXYQ72 + RXYQ96 + RXYQ120	Interp.
	RXYQ288_YDN	30.1	134.4	66.1	1699	RXYQ72 + RXYQ96 + RXYQ120	Interp.
	RXYQ312_TJU	30.1	134.4	66.1	1660	RXYQ72 + 2 x RXYQ120	Interp.
	RXYQ312_YDN	30.1	134.4	66.1	1699	RXYQ72 + 2 x RXYQ120	Interp.
	RXYQ336_TJU	30.1	146.6	66.1	1860	RXYQ96 + 2 x RXYQ120	Interp.
	RXYQ336_YDN	30.1	146.6	66.1	1899	RXYQ96 + 2 x RXYQ120	Interp.
	RXYQ360_TJU	30.1	146.6	66.1	1860	3 x RXYQ120	Interp.
RXYQ360_YDN	30.1	146.6	66.1	1899	3 x RXYQ120	Interp.	
Outdoor Heat Recovery Units (VRV) 72,000 to 336,000 BTU/hr (cooling capacity); Qualified design categories: PA, PB, PC	REYQ72_TJU	30.1	51.2	66.1	730		Extrap.
	REYQ72_YDU	30.1	51.2	66.1	732		Extrap.
	REMQ72_TJU	30.1	36.7	66.1	450		6
	REMQ72_YDU	30.1	36.7	66.1	463		Interp.
	REYQ96_TJU	30.1	51.2	66.1	730		Interp.
	REYQ96_YDU	30.1	51.2	66.1	732		Interp.
	REMQ96_TJU	30.1	36.7	66.1	560		Interp.
	REMQ96_YDU	30.1	36.7	66.1	573		Interp.
	REYQ120_TJU	30.1	51.2	66.1	730		Interp.
	REYQ120_YDU	30.1	51.2	66.1	732		9
	REMQ120_TJU	30.1	36.7	66.1	560		Interp.

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Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Recovery Units (VRV) 72,000 to 336,000 BTU/hr (cooling capacity); Qualified design categories: PA, PB, PC	REMQ120_YDU	30.1	36.7	66.1	573		Interp.
	REYQ144_TJU	30.1	51.2	66.1	747		10
	REYQ144_YDU	30.1	73.4	66.1	926	2 x REMQ72	Interp.
	REYQ168_TJU	30.1	73.4	66.1	1010	REMQ72 + REMQ96	Interp.
	REYQ168_YDU	30.1	73.4	66.1	1036	REMQ72 + REMQ96	Interp.
	REYQ192_TJU	30.1	73.4	66.1	1120	2 x REMQ96	Interp.
	REYQ192_YDU	30.1	73.4	66.1	1146	2 x REMQ96	Interp.
	REYQ216_TJU	30.1	73.4	66.1	1120	REMQ96 + REMQ120	Interp.
	REYQ216_YDU	30.1	73.4	66.1	1146	REMQ96 + REMQ120	Interp.
	REYQ240_TJU	30.1	73.4	66.1	1120	2 x REMQ120	Interp.
	REYQ240_YDU	30.1	73.4	66.1	1146	2 x REMQ120	Interp.
	REYQ264_TJU	30.1	110.1	66.1	1570	REMQ72 + 2 x REMQ96	Interp.
	REYQ264_YDU	30.1	110.1	66.1	1609	REMQ72 + 2 x REMQ96	Interp.
	REYQ288_TJU	30.1	110.1	66.1	1570	REMQ72 + REMQ96 + REMQ120	Interp.
	REYQ288_YDU	30.1	110.1	66.1	1609	REMQ72 + REMQ96 + REMQ120	Interp.
	REYQ312_TJU	30.1	110.1	66.1	1680	2 x REMQ96 + REMQ120	Interp.
	REYQ312_YDU	30.1	110.1	66.1	1719	2 x REMQ96 + REMQ120	Interp.
	REYQ336_TJU	30.1	110.1	66.1	1680	REMQ96 + 2 x REMQ120	Interp.
	REYQ336_YDU	30.1	110.1	66.1	1719	REMQ96 + 2 x REMQ120	Interp.

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Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS}= 2.0\text{ g}$ $z/h=1.0$ $S_{DS}= 2.5\text{ g}$ $z/h=0.0$ $I_P= 1.5$					
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Pump (VRV) 72,000 to 408,000 BTU/hr (cooling capacity); Qualified design categories: T, TA, XA ²	RXYQ72_TJ_	30.2	36.7	66.7	435		27
	RXYQ72_YD_	30.2	36.7	66.7	451		Interp.
	RXYQ96_TJ_ ¹	30.2	48.9	66.7	525		Interp.
	RXYQ96_YD_ ¹	30.2	48.9	66.7	553		Interp.
	RXYQ120_TJ_ ¹	30.2	48.9	66.7	528		Interp.
	RXYQ120_YD_ ¹	30.2	48.9	66.7	556		Interp.
	RXYQ144_TJ_ ¹	30.2	48.9	66.7	695		Interp.
	RXYQ144_YD_ ¹	30.2	48.9	66.7	709		Interp.
	RXYQ168_TJ_ ¹	30.2	48.9	66.7	695		Interp.
	RXYQ168_YD_ ¹	30.2	48.9	66.7	709		28
	RXYQ192_TJ_ ¹	30.2	85.6	66.7	963	RXYQ120 + RXYQ72	Interp.
	RXYQ192_YD_ ¹	30.2	85.6	66.7	1007	RXYQ120 + RXYQ72	Interp.
	RXYQ216_TJ_ ¹	30.2	97.8	66.7	1053	RXYQ120 + RXYQ96	Interp.
	RXYQ216_YD_ ¹	30.2	60.4	66.7	133	RXYQ120 + RXYQ96	Interp.
	RXYQ240_TJ_ ¹	30.2	97.8	66.7	1056	2 x RXYQ120	Interp.
	RXYQ240_YD_ ¹	30.2	97.8	66.7	1112	2 x RXYQ120	Interp.
	RXYQ264_TJ_ ¹	30.2	97.8	66.7	1223	RXYQ144 + RXYQ120	Interp.
	RXYQ264_YD_ ¹	30.2	97.8	66.7	1265	RXYQ144 + RXYQ120	Interp.
	RXYQ288_TJ_ ¹	30.2	97.8	66.7	1390	2 x RXYQ144	Interp.
	RXYQ288_YD_ ¹	30.2	97.8	66.7	1418	2 x RXYQ144	Interp.
	RXYQ312_TJ_ ¹	30.2	97.8	66.7	1390	RXYQ168 + RXYQ144	Interp.
	RXYQ312_YD_ ¹	30.2	97.8	66.7	1418	RXYQ168 + RXYQ144	Interp.
¹ Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)							
² Qualified design category X, TA , and XA differ only in coil color.							

¹Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

²Qualified design category X, TA, and XA differ only in coil color.

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Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT	
		Depth	Width	Height				
Outdoor Heat Pump (VRV) 72,000 to 408,000 BTU/hr (cooling capacity); Qualified design categories: T, TA, XA2	RXYQ336_TJ_ ¹	30.2	97.8	67	1418	2 x RXYQ168	Interp.	
	RXYQ336_YD_ ¹	30.2	171.1	67	1926	2 x RXYQ168	Interp.	
	RXYQ360_TJ_ ¹	30.2	146.6	67	1668	3 x RXYQ120	Interp.	
	RXYQ360_YD_ ¹	30.2	146.6	67	2085	3 x RXYQ120	Interp.	
	RXYQ384_TJ_ ¹	30.2	146.6	67	1818	RXYQ168 + RXYQ120 + RXYQ96	Interp.	
	RXYQ384_YD_ ¹	30.2	183.3	67	2186	RXYQ168 + RXYQ120 + RXYQ96	Interp.	
	RXYQ408_TJ_ ¹	30.2	146.6	67	1971	RXYQ168 + RXYQ144 + RXYQ96	Interp.	
	RXYQ408_YD_ ¹	30.2	183.3	67	2186	RXYQ168 + RXYQ144 + RXYQ96	Interp.	
Outdoor Heat Recovery Units (VRV IV) 72,000 to 456,000 BTU/hr (cooling capacity); Qualified design categories: T	REYQ72_ATJ_	30.2	36.7	66.7	507		29	
	REYQ72_AYD_	30.2	36.7	66.7	527		Interp.	
	REYQ96_ATJ_ ¹	30.2	48.9	66.7	703		Interp.	
	REYQ96_AYD_ ¹	30.2	48.9	66.7	717		Interp.	
	REYQ120_ATJ_ ¹	30.2	48.9	66.7	703		Interp.	
	REYQ120_AYD_ ¹	30.2	48.9	66.7	717		Interp.	
	REYQ144_ATJ_ ¹	30.2	48.9	66.7	780		Interp.	
	REYQ144_AYD_ ¹	30.2	48.9	66.7	794		Interp.	
	REYQ168_ATJ_ ¹	30.2	48.9	66.7	780		Interp.	
	REYQ168_AYD_ ¹	30.2	48.9	66.7	794		30	
	REYQ192_ATJ_ ¹	30.2	85.6	66.7	1210		REYQ120 + REYQ72	Interp.
	REYQ192_AYD_ ¹	30.2	85.6	66.7	1244		REYQ120 + REYQ72	Interp.
	REYQ216_ATJ_ ¹	30.2	97.8	66.7	1406		REYQ120 + REYQ96	Interp.
	REYQ216_AYD_ ¹	30.2	97.8	66.7	1406		REYQ120 + REYQ96	Interp.

¹Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

²Qualified design category X, TA , and XA differ only in coil color.

¹Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

²Qualified design category X, TA, and XA differ only in coil color.

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC						TABLE 1	
Model Line: Outdoor Heat Pumps and Recovery Units							
Certified Product Construction Summary: Carbon steel cabinet. Seismic enhancements and enhanced mounting as indicated.							
Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0\text{ g} \quad z/h=1.0$ $S_{DS}= 2.5\text{ g} \quad z/h=0.0$ $I_P= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Recovery Units (VRV IV) 72,000 to 456,000 BTU/hr (cooling capacity); Qualified design categories: T	REYQ240_ATJ_1	30.2	97.8	66.7	1483	REYQ144 + REYQ96	Interp.
	REYQ240_AYD_1	30.2	97.8	66.7	1511	REYQ144 + REYQ96	Interp.
	REYQ264_ATJ_1	30.2	97.8	66.7	1483	REYQ144 + REYQ120	Interp.
	REYQ264_AYD_1	30.2	97.8	66.7	1511	REYQ144 + REYQ120	Interp.
	REYQ288_ATJ_1	30.2	97.8	66.7	1560	2 x REYQ144	Interp.
	REYQ288_AYD_1	30.2	97.8	66.7	1588	2 x REYQ144	Interp.
	REYQ312_ATJ_1	30.2	97.8	66.7	1560	REYQ168 + REYQ144	Interp.
	REYQ312_AYD_1	30.2	97.8	66.7	1588	REYQ168 + REYQ144	Interp.
	REYQ336_ATJ_1	30.2	97.8	66.7	1560	2 x REYQ168	Interp.
	REYQ336_AYD_1	30.2	97.8	66.7	1588	2 x REYQ168	Interp.
	REYQ360_ATJ_1	30.2	149.7	66.7	2109	3 x REYQ120	Interp.
	REYQ360_AYD_1	30.2	149.7	66.7	2151	3 x REYQ120	Interp.
	REYQ384_ATJ_1	30.2	149.7	66.7	2186	REYQ168 + REYQ120 + REYQ96	Interp.
	REYQ384_AYD_1	30.2	149.7	66.7	2228	REYQ168 + REYQ120 + REYQ96	Interp.
	REYQ408_ATJ_1	30.2	149.7	66.7	2340	REYQ168 + REYQ144 + REYQ96	Interp.
	REYQ408_AYD_1	30.2	149.7	66.7	2305	REYQ168 + REYQ144 + REYQ96	Interp.
	REYQ432_ATJ_1	30.2	149.7	66.7	2340	3 x REYQ144	Interp.
	REYQ432_AYD_1	30.2	149.7	66.7	2382	3 x REYQ144	Interp.
	REYQ456_ATJ_1	30.2	149.7	66.7	2340	REYQ168 + 2 x REYQ144	Interp.
	REYQ456_AYD_1	30.2	149.7	66.7	2382	REYQ168 + 2 x REYQ144	Interp.

1Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

¹Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC						TABLE 1	
Model Line: Outdoor Heat Pumps and Recovery Units							
Certified Product Construction Summary: Carbon steel cabinet. Seismic enhancements and enhanced mounting as indicated.							
Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0 g \quad z/h=1.0$ $S_{DS}= 2.5 g \quad z/h=0.0$ $I_p= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Recovery Units (VRV) 72,000 to 456,000 BTU/hr (cooling capacity); Qualified design categories: X	REYQ72_ATJ_1	30.2	48.9	66.7	714		50
	REYQ72_AYD_1	30.2	48.9	66.7	727		Interp.
	REYQ96_ATJ_1	30.2	48.9	66.7	727		Interp.
	REYQ96_AYD_1	30.2	48.9	66.7	727		Interp.
	REYQ120_ATJ_1	30.2	48.9	66.7	727		Interp.
	REYQ120_AYD_1	30.2	48.9	66.7	727		Interp.
	REYQ144_ATJ_1	30.2	48.9	66.7	785		Interp.
	REYQ144_AYD_1	30.2	48.9	66.7	785		Interp.
	REYQ168_ATJ_1	30.2	48.9	66.7	785		Interp.
	REYQ168_AYD_1	30.2	48.9	66.7	785		51
	REYQ192_ATJ_1	30.2	97.8	66.7	1428	2 x REYQ96	Interp.
	REYQ192_AYD_1	30.2	97.8	66.7	1428	2 x REYQ96	Interp.
	REYQ216_ATJ_1	30.2	97.8	66.7	1441	REYQ96 + REYQ120	Interp.
	REYQ216_AYD_1	30.2	97.8	66.7	1441	REYQ96 + REYQ120	Interp.
	REYQ240_ATJ_1	30.2	97.8	66.7	1454	2 x REYQ120	Interp.
	REYQ240_AYD_1	30.2	97.8	66.7	1454	2 x REYQ120	Interp.
	REYQ264_ATJ_1	30.2	97.8	66.7	1512	REYQ120 + REYQ144	Interp.
	REYQ264_AYD_1	30.2	97.8	66.7	1512	REYQ120 + REYQ144	Interp.
	REYQ288_ATJ_1	30.2	97.8	66.7	1512	2 x REYQ144	Interp.
	REYQ288_AYD_1	30.2	97.8	66.7	1512	2 x REYQ144	Interp.
	REYQ312_ATJ_1	30.2	97.8	66.7	1570	REYQ144 + REYQ168	Interp.
	REYQ312_AYD_1	30.2	97.8	66.7	1570	REYQ144 + REYQ168	Interp.

1Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

¹Requires seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

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[illegible]

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC						TABLE 1	
Model Line: Outdoor Heat Pumps and Recovery Units							
Certified Product Construction Summary: Carbon steel cabinet. Seismic enhancements and enhanced mounting as indicated.							
Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0g \quad z/h=1.0$ $S_{DS} = 2.5g \quad z/h=0.0$ $I_P = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Heat Pump (VRV-IV S) 34,200 to 57,000 BTU/hr; Qualified design categories: T	RXTQ36_VJ_ ^{1,2}	12.6	37	39	172		37
	RXTQ48_VJ_ ^{1,2}	12.6	37	39	176		Interp.
	RXTQ60_VJ_ ^{1,2}	12.6	35.4	52.9	221.5		38
Outdoor Heat Pump (VRV LIFE) 23,00 to 57,000 BTU/hr; Qualified design categories: T	RXSQ24_VJ_ ^{1,2,3}	12.6	37	39	172		Interp.
	RXSQ36_VJ_ ^{1,2,3}	12.6	37	39	172		Interp.
	RXSQ48_VJ_ ^{1,2,3}	12.6	37	39	176		Interp.
	RXSQ60_VJ_ ^{1,2,3}	12.6	35.4	52.9	221.5		Interp.

¹Required seismic enhancements: Two (2) stainless steel straps (¾” wide and 0.02” thick), running perpendicular to the units width, approximately 30 ° relative to vertical surface of the unit, attached with (2) #10-16 X1/2” Phillips Pan Head Zinc Finish Screws. Two (2) #10-16 X1/2” Phillips Pan Head Zinc Finish Screws used to attach each end of the strap to the mounting fixture.

²Requires seismic enhancements: (4)ties from grille to unit frame, ties made of stainless steel 15" length by 3/16" width.

³Construction of RXSQ is identical to RXTQ, units differ in software only.

¹Required seismic enhancements: Two (2) stainless steel straps (3/4" wide and 0.02" thick), running perpendicular to the units width, approximately 30° relative to vertical surface of the unit, attached with (2) #10-16 X1/2" Phillips Pan Head Zinc Finish Screws. Two (2) #10-16 X1/2" Phillips Pan Head Zinc Finish Screws used to attach each end of the strap to the mounting fixture.

²Requires seismic enhancements: (4)ties from grille to unit frame, ties made of stainless steel 15" length by 3/16" width.

³Construction of RXSQ is identical to RXTQ, units differ in software only.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

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Manufacturer: Daikin North America, LLC					TABLE 1		
Model Line: Outdoor Heat Pumps and Recovery Units							
Certified Product Construction Summary: Carbon steel cabinet. Seismic enhancements and enhanced mounting as indicated.							
Certified Options Summary:							
Mounting Configuration: Rigid - base mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0\ g \quad z/h=1.0$ $S_{DS}= 2.5\ g \quad z/h=0.0$ $I_p= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Outdoor Water Cooled Heat Pump and Heat Recovery Unit (VRV-W) 208/230V and 460V 96,000 to 144,000 BTU/hr (cooling capacity); Qualified design categories: T	RWEQ96_ATJ_/ATJ_-HR	22.2	30.1	38.6	423		39
	RWEQ96_AYD_/AYD_-HR	22.2	30.1	38.6	423		Interp.
	RWEQ120_ATJ_/ATJ_-HR	22.2	30.1	38.6	423		Interp.
	RWEQ120_AYD_/AYD_-HR	22.2	30.1	38.6	426		Interp.
	RWEQ144_ATJ_/ATJ_-HR	22.2	30.1	38.6	430		Interp.
	RWEQ144_AYD_/AYD_-HR	22.2	30.1	38.6	450.5		45
	RWEQ192_ATJ_/ATJ_-HR	22.2	30.1	38.6	846	2 x RWEQ96	Interp.
	RWEQ192_AYD_/AYD_-HR	22.2	60.2	38.6	852	2 x RWEQ96	Interp.
	RWEQ216_ATJ_/ATJ_-HR	22.2	60.2	38.6	846	RWEQ96 + RWEQ120	Interp.
	RWEQ216_AYD_/AYD_-HR	22.2	60.2	38.6	856	RWEQ96 + RWEQ120	Interp.
	RWEQ240_ATJ_/ATJ_-HR	22.2	60.2	38.6	846	2 x RWEQ120	Interp.
	RWEQ240_AYD_/AYD_-HR	22.2	60.2	38.6	860	2 x RWEQ120	Interp.
	RWEQ264_ATJ_/ATJ_-HR	22.2	60.2	38.6	846	RWEQ120 + RWEQ144	Interp.
	RWEQ264_AYD_/AYD_-HR	22.2	60.2	38.6	880.5	RWEQ120 + RWEQ144	Interp.
	RWEQ288_ATJ_/ATJ_-HR	22.2	60.2	38.6	846	2 x RWEQ144	Interp.
	RWEQ288_AYD_/AYD_-HR	22.2	60.2	38.6	901	2 x RWEQ144	Interp.
	RWEQ312_ATJ_/ATJ_-HR	22.2	90.3	38.6	1269	2 x RWEQ96 + RWEQ120	Interp.
	RWEQ312_AYD_/AYD_-HR	22.2	90.3	38.6	1282	2 x RWEQ96 + RWEQ120	Interp.
	RWEQ336_ATJ_/ATJ_-HR	22.2	90.3	38.6	1269	RWEQ96 + 2 x RWEQ120	Interp.
	RWEQ336_AYD_/AYD_-HR	22.2	90.3	38.6	1286	RWEQ96 + 2 x RWEQ120	Interp.
	RWEQ360_ATJ_/ATJ_-HR	22.2	90.3	38.6	1269	3 x RWEQ120	Interp.
	RWEQ360_AYD_/AYD_-HR	22.2	90.3	38.6	1290	3 x RWEQ120	Interp.
	RWEQ384_ATJ_/ATJ_-HR	22.2	90.3	38.6	1269	2 x RWEQ120 + RWEQ144	Interp.
	RWEQ384_AYD_/AYD_-HR	22.2	90.3	38.6	1310.5	2 x RWEQ120 + RWEQ144	Interp.

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC		TABLE 1	
Model Line: Outdoor Heat Pumps and Recovery Units			
Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps			
FOR REFERENCE ONLY			
Single Zone			
R X S 09 L VJ U Unit Category R: Air Cooled Single Split Outdoor Unit System Type X: R-410A, Heat Pump K: R-410A, Cooling Only Efficiency Level N: Standard _: Mid (Blank) S: High G: Highest Standard Compatibility U: United States Power Supply VJ: 1 Phase 208/230V Series/Major Design Category Capacity 09: 9,000 BTU/h 12: 12,000 BTU/h 15: 15,000 BTU/h 18: 18,000 BTU/h 24: 24,000 BTU/h			
R Z Q 18 P VJ U Indoor Type R: Outdoor Unit Refrigerant Type Z: R-410A System Type Q: Heat Pump R: Cooling Only Standard Compatibility U: United States Power Supply VJ: 1 Phase 208/230V Series/Major Design Category Capacity 18: 18,000 BTU/h 24: 24,000 BTU/h 30: 30,000 BTU/h 36: 36,000 BTU/h 42: 42,000 BTU/h			

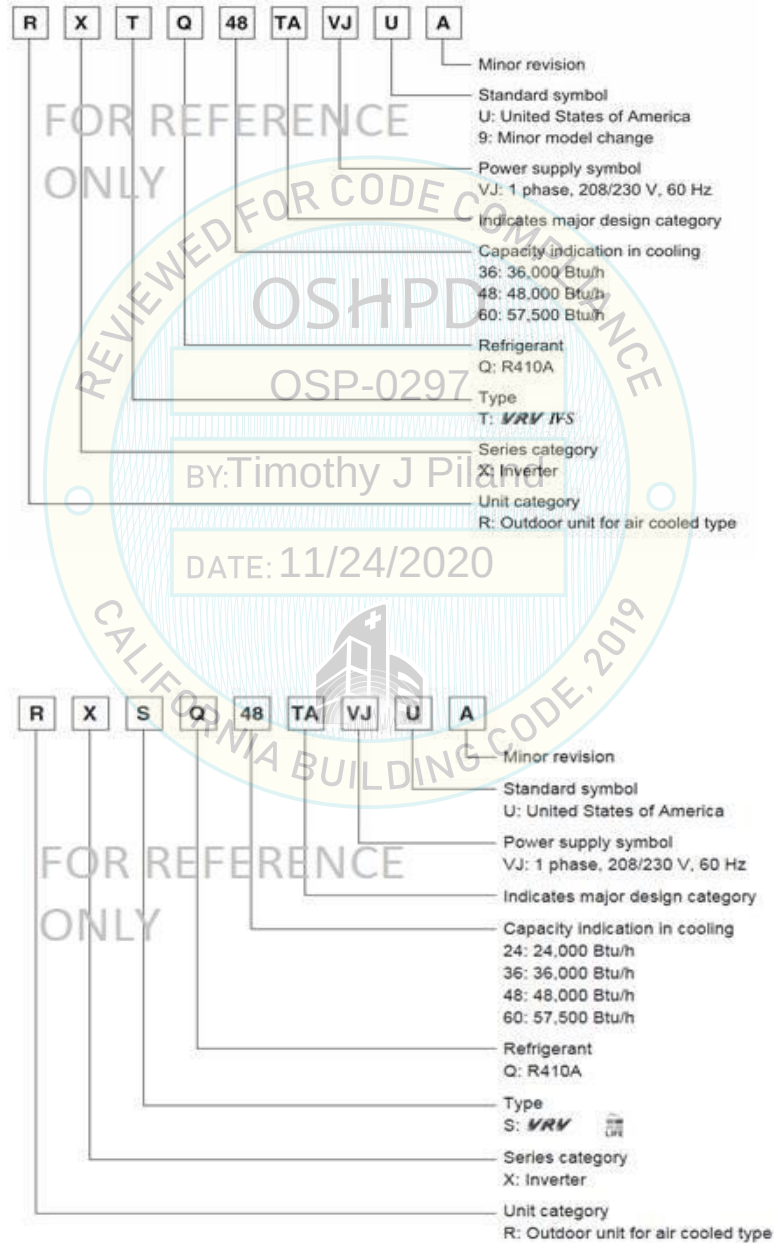
SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	TABLE 1
Model Line:	Outdoor Heat Pumps and Recovery Units	

Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps
FOR REFERENCE ONLY



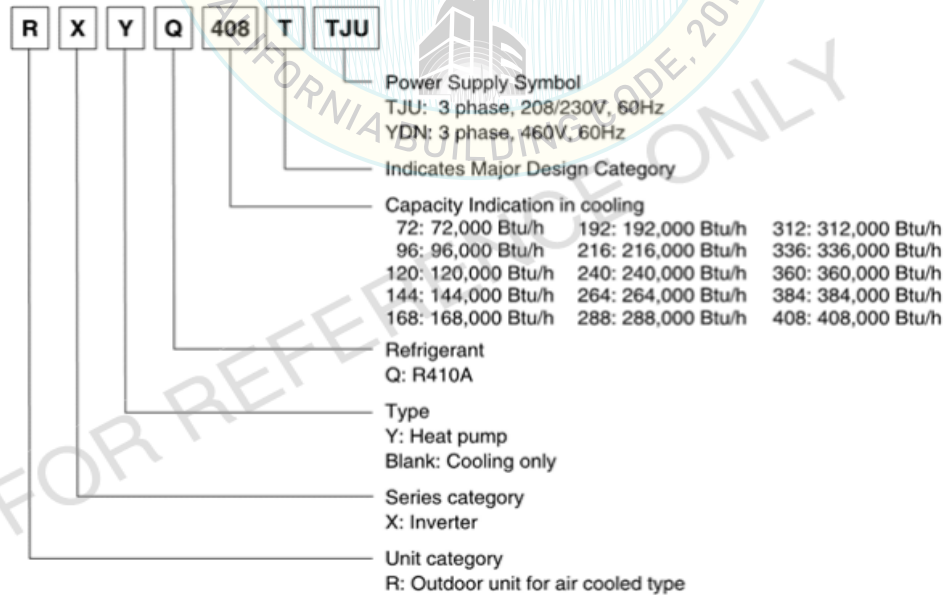
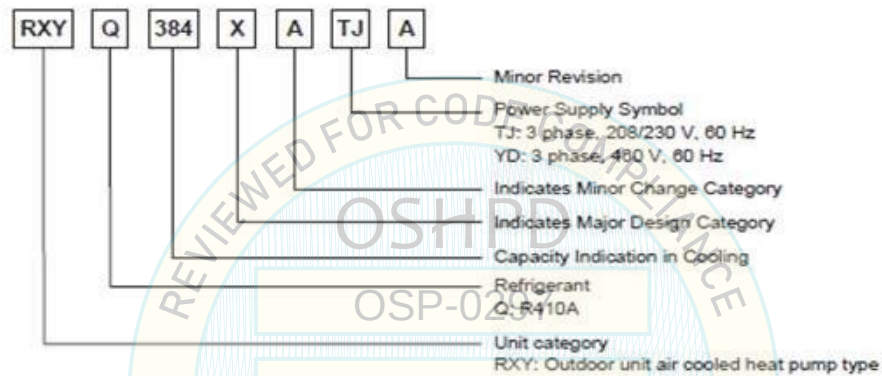
SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	TABLE 1
Model Line:	Outdoor Heat Pumps and Recovery Units	

Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps
FOR REFERENCE ONLY



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	TABLE 1
Model Line:	Outdoor Heat Pumps and Recovery Units	
Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps FOR REFERENCE ONLY		
RWE Q 432 T A YC U Standard symbol U: North American models A: Minor revision for North American models Power supply symbol TJ: 3 phase, 208/230 V, 60 Hz YD: 3 phase, 460 V, 60 Hz Indicates minor change category Indicates major design category Capacity indication in cooling Refrigerant Q: R410A Indicates that this is a RWE: Heat pump / Heat recovery water cooled		
REY Q 408 T A YD U Standard symbol U: United States of America Power supply symbol YD: 3 phase, 460 V, 60 Hz TJ: 3 phase, 208/230 V, 60 Hz Indicates minor change category Indicates major design category T: VAV IV Capacity indication in cooling 72 : 72,000 Btu/h 192 : 192,000 Btu/h 312 : 312,000 Btu/h 432 : 432,000 Btu/h 96 : 96,000 Btu/h 216 : 216,000 Btu/h 336 : 336,000 Btu/h 456 : 456,000 Btu/h 120 : 120,000 Btu/h 240 : 240,000 Btu/h 360 : 360,000 Btu/h 144 : 144,000 Btu/h 264 : 264,000 Btu/h 384 : 384,000 Btu/h 168 : 168,000 Btu/h 288 : 288,000 Btu/h 408 : 408,000 Btu/h Refrigerant Q: R410A Indicates that this is a REY: Heat Recovery Air Cooled		

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	TABLE 1
Model Line:	Outdoor Heat Pumps and Recovery Units	
Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps		
FOR REFERENCE ONLY		
REY Q 384 T A TJ A Minor Revision Power Supply Symbol TJ: 3 phase, 208/230 V, 60 Hz YD: 3 phase, 460 V, 60 Hz Indicates Minor Change Category Indicates Major Design Category Capacity Indication in Cooling Refrigerant Q: R410A Unit category REY: Outdoor unit air cooled heat recovery type		
REY Q 432 X A YC U Standard symbol U: United States of America Power supply symbol TJ: 3 phase, 208 / 230 V, 60 Hz YD: 3 phase, 460 V, 60 Hz YC: 3 phase, 575 V, 60 Hz Indicates minor change category Indicates major design category Capacity indication in cooling 72: 72,000 Btu/h 96: 96,000 Btu/h 120: 120,000 Btu/h 144: 144,000 Btu/h 168: 168,000 Btu/h 192: 192,000 Btu/h 216: 216,000 Btu/h 240: 240,000 Btu/h 264: 264,000 Btu/h 288: 288,000 Btu/h 312: 312,000 Btu/h 336: 336,000 Btu/h 360: 360,000 Btu/h 384: 384,000 Btu/h 408: 408,000 Btu/h 432: 432,000 Btu/h for 208 / 230 V units and 460 V units, 426,000 Btu/h for 575 V units 456: 456,000 Btu/h Refrigerant Q: R410A Indicates that this is a REY: Heat recovery air cooled		

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC Model Line: Outdoor Heat Pumps and Recovery Units	TABLE 1
Nomenclature: Split System, Quaternity, SkyAir Outdoor Heat Pumps FOR REFERENCE ONLY	
FOR REFERENCE ONLY REVIEWED FOR CODE COMPLIANCE OSHPD OSP-0297 BY: Timothy J Pili DATE: 11/24/2020 CALIFORNIA BUILDING CODE, 2019	

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC						TABLE 2	
Model Line: Indoor Wall Mounted Fan Coil (Split System, Quaternity, SkyAir)							
Certified Product Construction Summary: Plastic enclosure							
Certified Options Summary:							
Mounting Configuration: Rigid - wall mounted Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0\text{ g}$ $z/h=1.0$ $S_{DS} = 2.5\text{ g}$ $z/h=0.0$		$I_P = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Indoor Fan Coil (Split System, Quaternity, SkyAir) 7,500 to 36,000 BTU/hr; Qualified design categories: H (FTXG), P (FXAQ), L (FTXS), P (FAQ)	FXAQ07_VJU	9.3	31.3	11.4	26.0		Extrap.
	FTXS09_VJU	14.4	34.3	10.8	20.0		Extrap.
	FTXG09_VJU	8.2	35.0	12.0	31.0		11
	FXAQ09_VJU	9.3	31.3	11.4	26.0		12
	FTXS12_VJU	14.4	34.3	10.8	22.0		Interp.
	FTXG12_VJU	8.2	35.0	12.0	31.0		Interp.
	FXAQ12_VJU	9.3	31.3	11.4	26.0		Interp.
	FTXN15_VJU	9.4	41.3	11.4	26.5		Interp.
	FTXS15_VJU	16.9	45.7	13.0	31.0		Interp.
	FTXG15_VJU	8.2	35.0	12.0	31.0		Interp.
	FAQ18_VJU	9.0	41.4	11.4	31.0		14
	FTXN18_VJU	9.4	41.3	11.4	26.5		Interp.
	FTXS18_VJU	16.9	45.7	13.0	31.0		Interp.
	FXAQ18_VJU	9.3	41.4	11.4	31.0		Interp.
	FTXN24_VJU	9.4	41.3	11.4	26.5		Interp.
	FTXS24_VJU	16.9	45.7	13.0	31.0		13
	FAQ24_VJU	9.0	41.4	11.4	31.0		Interp.
	FXAQ24_VJU	9.3	41.4	11.4	31.0		Interp.
	FTXS30_VJU	9.4	47.3	13.4	38.0		Interp.
	FTXS36_VJU	9.4	47.3	13.4	38.0		15

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC Model Line: Indoor Wall Mounted Fan Coil (Split System, Quaternity, SkyAir)	TABLE 2
Nomenclature: Split System, Quaternity, SkyAir Indoor Units FOR REFERENCE ONLY FT X S 09 L VJ U Indoor Type CD: Slim Duct* CT: Wall Mount* F: Indoor Unit FD: Slim Duct FT: Wall Mount System Type F: 2' X 2' Ceiling Cassette X: R-410A, Heat Pump or Cooling Only (Standard Eff.) R-410A, Heat Pump (High Eff.) Efficiency Level G: Highest N: Standard Q: R-410A, Heat Pump S: High _ : Mid (Blank) Standard Compatibility U: United States Power Supply VJ: 1 Phase 208/230V Series/Major Design Category Capacity 09: 9,000 BTU/h 12: 12,000 BTU/h 15: 15,000 BTU/h 18: 18,000 BTU/h 24: 24,000 BTU/h	

1801376-CR-001-R3



Manufacturer:						Daikin North America, LLC	
Model Line:						Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)	
Certified Product Construction Summary: Plastic cabinet. Seismic enhancements as indicated.							
Certified Options Summary:							
Mounting Configuration: Ceiling suspended Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0 g \quad z/h=1.0$ $S_{DS} = 2.5 g \quad z/h=0.0$	
						$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Indoor Fan Coil (SkyAir, VRV-S, VRV) 12,000 to 40,500 BTU/hr; Qualified design categories: M	FXHQ12_VJU	26.8	37.8	7.7	55		16
	FHQ18_VJU	26.8	62.6	7.7	90		Interp.
	FHQ24_VJU	26.8	62.6	7.7	90		Interp.
	FXHQ24_VJU	26.8	55.1	7.7	80		Interp.
	FHQ30_VJU	26.8	62.6	7.7	90		Interp.
	FHQ36_VJU	26.8	62.6	7.7	90		Interp.
	FXHQ36_VJU	26.8	62.6	7.7	90		Interp.
	FHQ42_VJU	26.8	62.6	7.7	90		17
Indoor Fan Coil (VRV) 18,000 to 36,000 BTU/hr; Qualified design categories: P	FXUQ18_VJU ¹	37.4	37.4	7.8	58		33
	FXUQ24_VJU ¹	37.4	37.4	7.8	58		Interp.
	FXUQ30_VJU ¹	37.4	37.4	7.8	60		Interp.
	FXUQ36_VJU ¹	37.4	37.4	7.8	60		42

¹Requires seismic enhancements: Heavy duty square washers (1.6" x 1.3 x 0.2") were used at top and bottom of mounting bracket. S-Shape hooks on four (4) internal wires, used to secure outer cover attachment to unit, were crimped closed to secure cover to unit.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

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Manufacturer: Daikin North America, LLC						TABLE 3	
Model Line: Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)							
Certified Product Construction Summary: Plastic cabinet. Seismic enhancements as indicated.							
Certified Options Summary:							
Mounting Configuration: Ceiling suspended Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0\text{ g}$ $z/h=1.0$ $S_{DS} = 2.5\text{ g}$ $z/h=0.0$		$I_P = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Indoor Fan Coil (VRV-S, VRV) 7,500 to 96,000 BTU/hr; Qualified design categories: P	FXMQ07_VJU ¹	27.6	21.7	11.8	55		Extrap.
	FXMQ09_VJU ¹	27.6	21.7	11.8	55		Extrap.
	FXMQ12_VJU ¹	27.6	27.6	11.8	55		20
	FBQ18_VJU ¹	27.6	39.4	11.8	80		Interp.
	FXMQ15_VJU ¹	27.6	39.4	11.8	80		Interp.
	FXMQ18_VJU ¹	27.6	39.4	11.8	80		21
	FBQ24_VJU ¹	27.6	39.4	11.8	80		Interp.
	FXMQ24_VJU ¹	27.6	39.4	11.8	80		Interp.
	FBQ30_VJU ¹	27.6	39.4	11.8	80		Interp.
	FXMQ30_VJU ¹	27.6	55.1	11.8	80		Interp.
	FBQ36_VJU ¹	27.6	55.1	11.8	102		Interp.
	FXMQ36_VJU ¹	27.6	55.1	11.8	101		Interp.
	FBQ42_VJU ¹	27.6	55.1	11.8	102		Interp.
	FXMQ48_VJU ¹	27.6	55.1	11.8	101		22
	FXMQ54_VJU ^{1,3}	27.6	55.1	11.8	101		Interp.
	FXMQ48MFVJU ²	43.3	29.3	18.5	190		23
	FXMQ72MFVJU ²	43.3	54.4	18.5	271		Interp.
	FXMQ72MVJU ²	43.3	54.4	18.1	302		Interp.
	FXMQ96MFVJU ²	43.3	54.4	18.5	271		Interp.
	FXMQ96MVJU ²	43.3	54.4	18.1	302		24

¹Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

²Requires seismic enhancements: One (1) #10 SMS at each mounting ear (4 total)

³FXMQ54_VJU is the same unit as UUT 22 (FMXQ48_VJU) but with different software.

¹Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

²Requires seismic enhancements: One (1) #10 SMS at each mounting ear (4 total)

³FXMQ54_VJU is the same unit as UUT 22 (FMXQ48_VJU) but with different software.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1801376-CR-001-R3



Manufacturer:		Daikin North America, LLC				TABLE 3	
Model Line:		Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)					
Certified Product Construction Summary: Plastic cabinet. Seismic enhancements as indicated.							
Certified Options Summary:							
Mounting Configuration: Ceiling suspended Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code:		CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0 g \quad z/h=1.0$ $S_{DS} = 2.5 g \quad z/h=0.0$ $I_P = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Indoor Fan Coil (SkyAir, VRV III-S, VRV) 9,500 to 48,000 BTU/hr; Qualified design categories: P, T	FXFQ07_VJU ²	33.1	33.1	9.7	43		35
	FXFQ09_VJU ²	33.1	33.1	9.7	43		18
	FXFQ12_VJU ²	33.1	33.1	9.7	43		Interp.
	FCQ18_VJU ¹	33.1	33.1	9.7	43		Interp.
	FXFQ18_VJU ²	33.1	33.1	9.7	43		Interp.
	FCQ24_VJU ¹	33.1	33.1	9.7	49		Interp.
	FXFQ24_VJU ²	33.1	33.1	9.7	49		Interp.
	FCQ30_VJU ²	33.1	33.1	9.7	49		Interp.
	FXFQ30_VJU ²	33.1	33.1	9.7	58		Interp.
	FXFQ36_VJU ²	33.1	33.1	11.3	58		Interp.
	FCQ36_VJU ¹	33.1	33.1	11.3	55		Interp.
	FCQ42_VJU ¹	33.1	33.1	11.3	55		Interp.
	FXFQ48_VJU ²	33.1	33.1	11.3	58		19

¹Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

²Requires seismic enhancements: Eight (8) #10 SMS in each mounting ear. Four (4) cable tie (shipped with unit) chains, each with two links, between decoration panel cover latches and through mounting ear. Two (2) strips of heavy duty Velcro® tape 1” x 2” at each corner cover (eight total).

¹Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch
²Requires seismic enhancements: Eight (8) #10 SMS in each mounting ear. Four (4) cable tie (shipped with unit) chains, each with two links, between decoration panel cover latches and through mounting ear. Two (2) strips of heavy duty Velcro® tape 1" x 2" at each corner cover (eight total).

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

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Manufacturer: Daikin North America, LLC						TABLE 3	
Model Line: Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)							
Certified Product Construction Summary: Plastic cabinet. Seismic enhancements as indicated.							
Certified Options Summary:							
Mounting Configuration: Ceiling suspended Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS}= 2.0\text{ g}$ $z/h=1.0$ $S_{DS}= 2.5\text{ g}$ $z/h=0.0$		$I_P= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Indoor Fan Coil (VRV Vista) 5,800 to 18,000 BTU/hr (kW); Qualified design categories: T	FXZQ05TAVJU ^{1,2}	22.6	22.6	10.3	41.5		Extrap.
	FXZQ07TAVJU ^{1,2}	22.6	22.6	10.3	41.5		Extrap.
	FXZQ09TAVJU ^{1,2}	22.6	22.6	10.3	41.5		48
	FXZQ12TAVJU ^{1,2}	22.6	22.6	10.3	46		Interp.
	FXZQ15TAVJU ^{1,2}	22.6	22.6	10.3	46		Interp.
	FXZQ18TAVJU ^{1,2}	22.6	22.6	10.3	46		49
Indoor Fan Coil (VRV) 5,800 to 54,000 BTU/hr (kW); Qualified design categories: T	FXSQ05TAVJU ¹	31.5	21.7	9.7	51		Extrap.
	FXSQ07TAVJU ¹	31.5	21.7	9.7	51		46
	FXSQ09TAVJU ¹	31.5	21.7	9.7	55		Interp.
	FXSQ12TAVJU ¹	31.5	21.7	9.7	55		Interp.
	FXSQ15TAVJU ¹	31.5	21.7	9.7	60		Interp.
	FXSQ18TAVJU ¹	31.5	27.6	9.7	77		Interp.
	FXSQ24TAVJU ¹	31.5	39.4	9.7	82		Interp.
	FXSQ30TAVJU ¹	31.5	39.4	9.7	82		Interp.
	FXSQ36TAVJU ¹	31.5	55.1	9.7	101		Interp.
	FXSQ48TAVJU ¹	31.5	55.1	9.7	104		Interp.
	FXSQ54TAVJU ¹	31.5	61	9.7	110.5		47

¹Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

² Requires seismic enhancements: Filter secured with two (2) stripes of 3M velcor. Panel cover hinges secured with 50 lb wire and metal ferrule. See UUT summary for more details.

¹ Requires seismic enhancements: Six (6) #10 SMS at each mounting ear (24 total) & #10 SMS in grille latch
² Requires seismic enhancements: Filter secured with two (2) stripes of 3M velcor. Panel cover hinges secured with 50 lb wire and metal ferrule. See UUT summary for more details.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



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Manufacturer: Daikin North America, LLC Model Line: Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)		TABLE 3
Nomenclature: VRV Indoor Units FOR REFERENCE ONLY		
F C Q 18 PA VJ U Indoor Type F: Indoor Unit Indoor Type A: Wall Mount B: DC Duct C: Roundflow Cassette H: Ceiling Suspended T: Unitary System Type Q: R-410A Heat Pump or Cooling Only Standard Compatibility U: United States Power Supply VJ: 1 Phase 208/230V Major Design Category Capacity 18: 18,000 BTU/h 24: 24,000 BTU/h 30: 30,000 BTU/h 36: 36,000 BTU/h 42: 42,000 BTU/h		
F X M Q 54 PA VJ U Standard Symbol U: United States of America Power Supply Symbol VJ: 1 phase, 208/230V, 60Hz Indicates Major Design Category Capacity Indication in Cooling 07: 7,500 Btu/h 18: 18,000 Btu/h 42: 42,000 Btu/h 96: 96,000 Btu/h 09: 9,500 Btu/h 24: 24,000 Btu/h 48: 48,000 Btu/h 12: 12,000 Btu/h 30: 30,000 Btu/h 54: 54,000 Btu/h 15: 15,000 Btu/h 36: 36,000 Btu/h 72: 72,000 Btu/h Refrigerant and Type Q: R410A, Heat Pump, Heat Recovery Shape F: Ceiling Mounted Cassette (Round Flow with Sensing/Round Flow) Z: 4 Way Ceiling Mounted Cassette (2'x2') D: Slim Ceiling Mounted Duct M: Ceiling Mounted Duct H: Ceiling Suspended A: Wall Mounted L: Floor Standing N: Concealed Floor Standing T: Vertical Air Handling Unit Series Category X: Inverter Unit Category F: Indoor Unit for Air Cooled Type		

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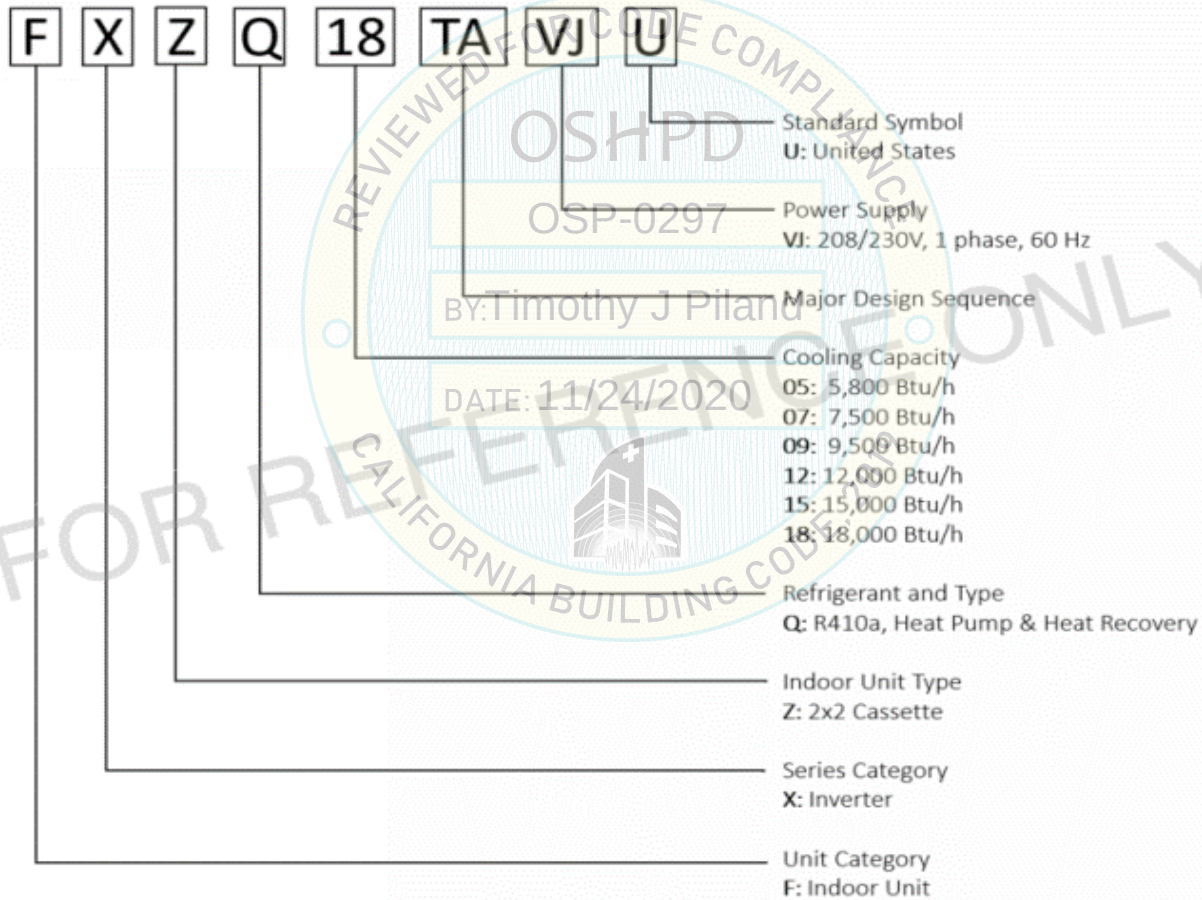
SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

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Manufacturer:	Daikin North America, LLC	TABLE 3
Model Line:	Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)	

Nomenclature: VRV Indoor Units
FOR REFERENCE ONLY



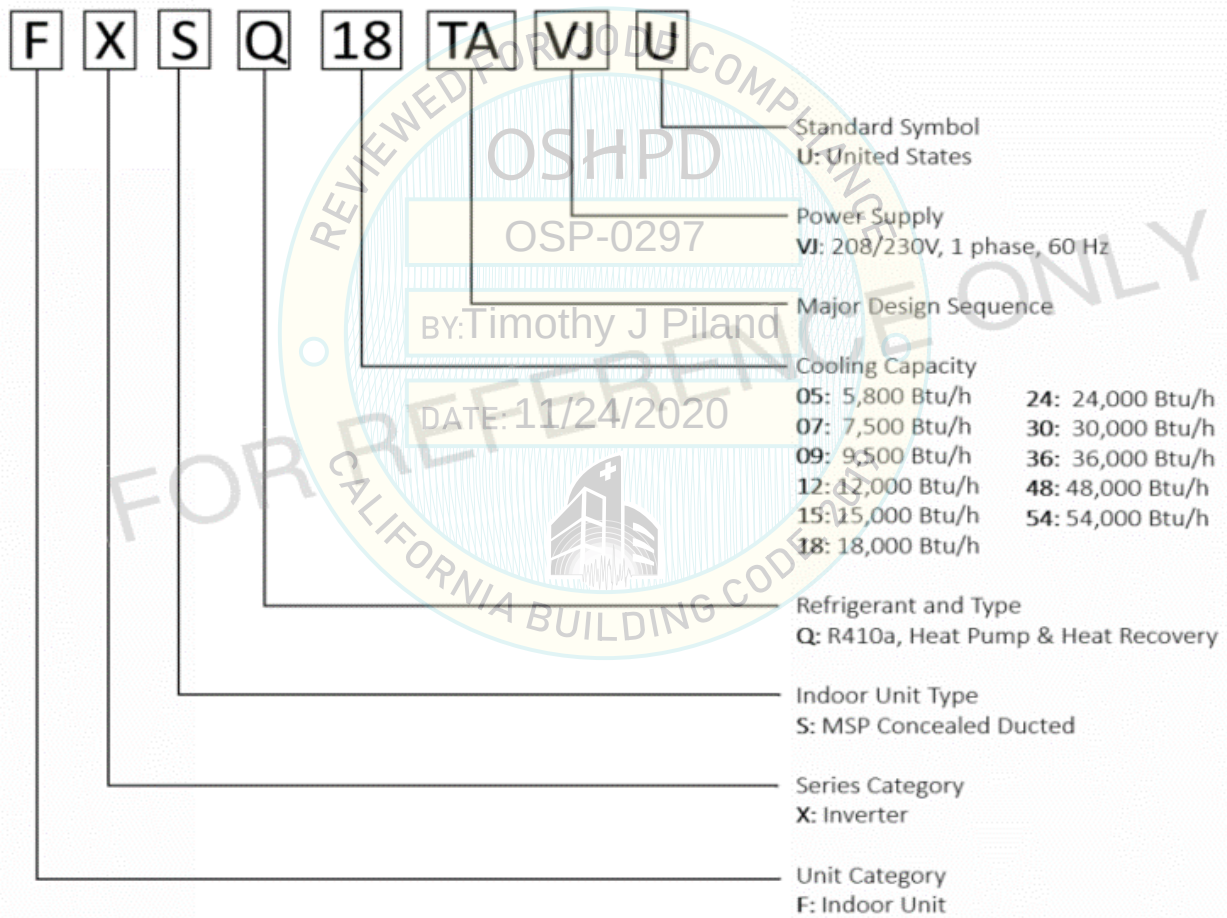
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Manufacturer:	Daikin North America, LLC	TABLE 3
Model Line:	Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)	

Nomenclature: VRV Indoor Units
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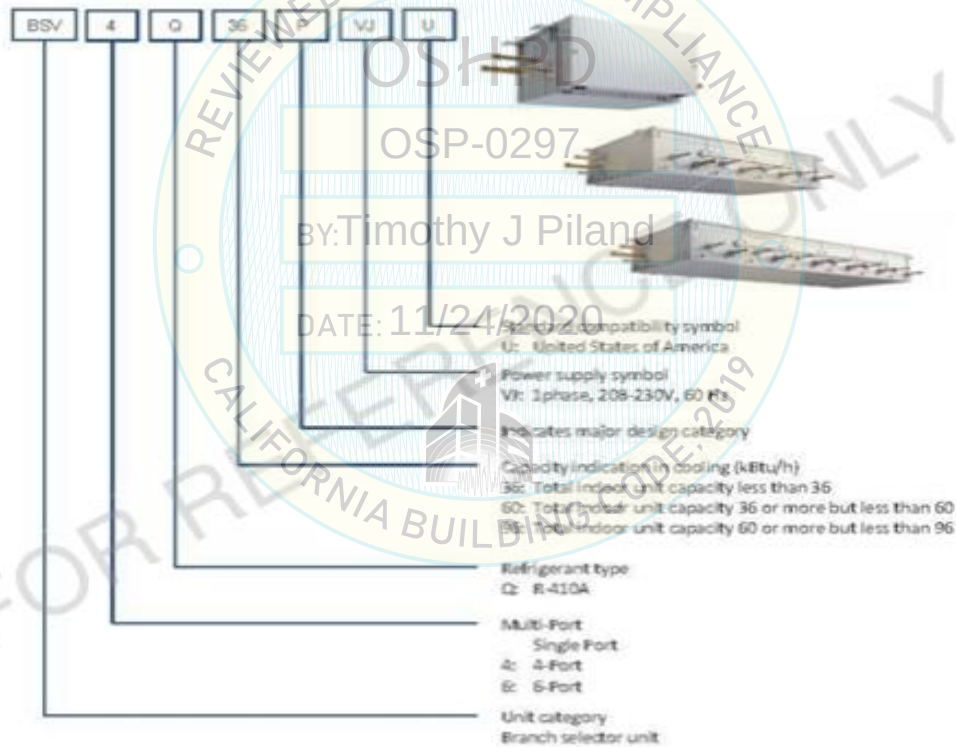
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Manufacturer:	Daikin North America, LLC	TABLE 4
Model Line:	Indoor Branch Selectors (VRV)	

Nomenclature: VRV III Indoor Branch Selector Units

FOR REFERENCE ONLY



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Manufacturer: Daikin North America, LLC Model Line: Indoor Air Handling Unit	TABLE 5
Nomenclature: VRV III Indoor Branch Selector Units FOR REFERENCE ONLY	
F X M Q 54 PA VJ U Standard Symbol U: United States of America Power Supply Symbol VJ: 1 phase, 208/230V, 60Hz Indicates Major Design Category Capacity Indication in Cooling 07: 7,500 Btu/h 18: 18,000 Btu/h 42: 42,000 Btu/h 96: 96,000 Btu/h 09: 9,000 Btu/h 24: 24,000 Btu/h 48: 48,000 Btu/h 12: 12,000 Btu/h 30: 30,000 Btu/h 54: 54,000 Btu/h 15: 15,000 Btu/h 36: 36,000 Btu/h 72: 72,000 Btu/h Refrigerant and Type Q: R410A, Heat Pump, Heat Recovery Shape F: Ceiling Mounted Cassette (Round Flow with Sensing/Round Flow) Z: 4 Way Ceiling Mounted Cassette (2"x2") D: Slim Ceiling Mounted Duct M: Ceiling Mounted Duct H: Ceiling Suspended A: Wall Mounted L: Floor Standing N: Concealed Floor Standing T: Vertical Air Handling Unit Series Category X: Inverter Unit Category F: Indoor Unit for Air Cooled Type	

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Heat Pump Subcomponents			TABLE 6
Model Line: Outdoor Heat Pumps and Recovery Units					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$		$I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Heat Exchanger	Daikin	2P170976-3	8mm x 0.3 mm coil, Al fin, Cu tube		2
		3P287611-2	8mm x 0.3 mm coil, Al fin, Cu tube		3
		3P138067-2	7mm x 0.27 mm coil, Al fin, Cu tube		1
		CA-RZQ71K	8mm x 0.3 mm coil, Al fin, Cu tube		4
		3P142404-2	8mm x 0.3 mm coil, Al fin, Cu tube		5
		CA-RXYQ8PYD	8mm x 0.3 mm coil, Al fin, Cu tube		6
		CA-RXYQ10PYD	8mm x 0.3 mm coil, Al fin, Cu tube		7
		CA-RXYQ12PY1	8mm x 0.3 mm coil, Al fin, Cu tube		8
		CA-REYQ5PY1	8mm x 0.3 mm coil, Al fin, Cu tube		9,10
		7009510	7mm x 0.3mm coil, Al fin, Cu tube		27
		7009559	7mm x 0.3mm coil, Al fin, Cu tube		28
		7500019	7mm x 0.3mm coil, Al fin, Cu tube		29
		7500099	7mm x 0.3mm coil, Al fin, Cu tube		30
		6021509	7mm x 0.3mm coil, Al fin, Cu tube		37
		6019568	7mm x 0.3mm coil, Al fin, Cu tube		Interp.
		6019584	7mm x 0.3mm coil, Al fin, Cu tube		38
		3P341763-2	7mm x 0.3mm coil, Al fin, Cu tube	used for all REYQ_XATJU and REYQ_XAYDU models	50,51
		3P412977-1	Plate HX for vapor injection	REYQ72/96/120XATJU, REYQ72/96/120XAYDU	50
		39412975-1	Plate HX for vapor injection	REYQ151/168XATJU, REYQ151/168XAYDU	51
		5018937	18-3/4" x 4-1/2" Stainless Steel Braze Plate		39,45

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Heat Pump Subcomponents			TABLE 6
Model Line: Outdoor Heat Pumps and Recovery Units					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$		$I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Scroll Compressor	Daikin	1YC23AEXD	12,000 BTU/hr, 208-230V		1
		2YC63BXD#A	21,500 BTU/hr, 208-230V		2
		2YC63FXD#D	36,000 BTU/hr, 208-230V		3
		2YC63HXD	18,000 BTU/hr, 208-230V		4
		6025911	36,000 BTU/hr, 208-230V		37
		6025930	57,000 BTU/hr, 208-230V		38
		1873054	72,000 BTU/hr, 208-230V, Carbon Steel		27
		7009494	72,000 BTU/hr, 208-230V, Carbon Steel		28,30
		7009487	96,000 BTU/hr, 460V, Carbon Steel		29
		7009548	96,000 BTU/hr, 460V, Carbon Steel		30
		JT100G-VDLW	48,000 BTU/hr, 208-230V, Carbon Steel		5
		JT1G-VDKWYR	60,000 BTU/hr, 208-230V, Carbon Steel		7,9
		JT170G-KWYD	60,000 BTU/hr, 460V, Carbon Steel		7,9
		JT100GCVDKW	72,000 BTU/hr, 208-230V, Carbon Steel	Same model # as 48,000 BTU/hr unit	6
		JT100GCVDKW	48,000 BTU/hr, 208-230V, Carbon Steel	Same model # as 72,000 BTU/hr unit	8
		JT170G-KWTJ	48,000 BTU/hr, 208-230V, Carbon Steel		8,10
		5018933	151,000 BTU/hr, 208-230V Carbon Steel		39
		JT16KADWYDN@S	144,000 BTU/hr, 460V, Carbon Steel		45
Vapor Injection Scroll Compressor	Daikin T	JT160KADWTJ@T	230 V, 3-phase, 39 lbs.		50
		JT250KADWTJ@S	230 V, 3-phase, 50.6 lbs.		Interp.
		JT15JBVDWYR@S	460 V, 3-phase, 34.2 lbs.		Interp.
		JT25KADWYDN@S	460 V, 3-phase, 50.6 lbs.		51

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Heat Pump Subcomponents			TABLE 6
Model Line: Outdoor Heat Pumps and Recovery Units					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$		$I_p = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Fan Motor	NIDEC	3SB40632-6	23W, 208-230V	UUT: Polyester resin tested	1
		3SB40622-3	60W, 208-230V	UUT: Polyester resin tested	2
	Panasonic	3SB40675-1	200W, 208-230V	UUT: Polyester resin tested	3
	Wada Electric	3P123189-1	70W, 208-230V	UUT: Polyester resin tested	4
	NIDEC	3P171341-1	70Wx2, 208-230V	UUT: Polyester resin tested	5
	Panasonic	3P170259-1	Direct Drive 750W, 208-230V	UUT: Polyester resin tested	6
		3P180619-1	Direct Drive 750W, 460V	UUT: Polyester resin tested	7
	NIDEC	3P170281-2	Direct Drive (350Wx2), 208-230V or 460V	UUT: Aluminum tested	8,9
	Panasonic	3P180619-1	Direct Drive (350W x 2), 208-230V	UUT: Polyester resin tested	10
		1713309	Propellor Fan 500 Watts	UUT: Polyester resin tested	27
		4012512	Propellor Fan 650 Watts	UUT: Polyester resin tested	28,30
		2219507	Propellor Fan 400 Watts	UUT: Polyester resin tested	29
		4012512	Propellor Fan 650 Watts	UUT: Polyester resin tested	28,30
		2219507	Propellor Fan 400 Watts	UUT: Polyester resin tested	29
	Daikin	6016145	Propeller Fan, 200 Watts, 208-230 V	UUT: Polyester resin tested	37
		2025036	Propeller Fan, 70 Watts, 208-230 V	UUT: Polyester resin tested	38
		5019722	23 Watts, 208-230 V	UTT: Polyester resin tested	39
		2P360713-3	800W x 2, 200V		50
		2P343735-1	800W x 2, 460V		51
Low Ambient Wind Baffle	Daikin	KPW937A4	Plastic		1,2
		KPW5E80	Plastic		4,5
Expansion Valve	Fujikoki	CAM-B30YGDM	Copper, SS, Resin		1,2
	Saginomiya	UKV-25D	Copper, SS, Resin		3

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Fan Coil -Wall Subcomponents			TABLE 7
Model Line: Indoor Wall Mounted Fan Coil (Split System, Quaternity, SkyAir)					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$		$I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Heat Exchanger	Daikin	3P204553-2	6.35mm x 0.3 mm coil, Al fin, Cu tube		11
		1P287200-1	6.35mm x 0.3 mm coil, Al fin, Cu tube		13
		2P168924-4	7mm x 0.3 mm coil, Al fin, Cu tube		12
		2P171400-2	7mm x 0.3 mm coil, Al fin, Cu tube		14
		2P222543-1	7mm x 0.3 mm coil, Al fin, Cu tube		15
Fan Motor	NIDEC	3SB40647-3	Cross Flow Fan 23W, 208-230V	UUT: Polyester resin tested	11
		3SB40565-1	Cross Flow Fan 40W, 208-230V	UUT: Polyester resin tested	12
		3SB40672-1	Cross Flow Fan 64W, 208-230V	UUT: Polyester resin tested	15
	Panasonic	3SB40591-1	Cross Flow Fan 43W, 208-230V	UUT: Polyester resin tested	14
		3SB40720-1	Cross Flow Fan 48W, 208-230V	UUT: Polyester resin tested	13
Expansion Valve	Fujikoki	2SA50075-1-KU	Copper, SS, Resin		12
		2SA50075-1-SI	Copper, SS, Resin		14
Filter	Daikin	1700125	Plastic Mesh		11
		1685846	Plastic Mesh		11
		1288416	Plastic Mesh		12
		4009476	Plastic Mesh		13
		1380242	Plastic Mesh		14
		4000835	Plastic Mesh		15
Photocatalytic Filter	Daikin	1843039	Photocatalytic		11
		1840489	Photocatalytic		13,15
Deodorizing Filter	Daikin	1843053	Plastic Mesh		11
Individual Zone Controller	Daikin	BRC7E818	Plastic		12, 14

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Fan Coil -Ceiling Subcomponents			TABLE 8
Model Line: Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$		$I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Heat Exchanger	AFREX	2PN05185-3	7mm x 0.3 mm coil, Al fin, Cu tube		16
	Daikin	2PN05189-3	7mm x 0.3 mm coil, Al fin, Cu tube		17
		2P231854-1	7mm x 0.3 mm coil, Al fin, Cu tube		18
		2P231856-1	7mm x 0.3 mm coil, Al fin, Cu tube		19
		3P290389-1	7mm x 0.3 mm coil, Al fin, Cu tube		20
		3P288941-1	7mm x 0.3 mm coil, Al fin, Cu tube		21
		3P288942-1	7mm x 0.3 mm coil, Al fin, Cu tube		22
		CRB-FXYMP224M	8mm x 0.3 mm coil, Al fin, Cu tube		23
		CRB-FXYMP280M	8mm x 0.3 mm coil, Al fin, Cu tube		24
		2273936	7mm x 0.3 mm coil, Al fin, Cu tube		33
		2110770	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		1993035	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		2218100	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		1993042	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		1993059	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		2110763	7mm x 0.3 mm coil, Al fin, Cu tube		Interp.
		1993028	7mm x 0.3 mm coil, Al fin, Cu tube		35
		2110756	7mm x 0.3 mm coil, Al fin, Cu tube		42
		5011000	3/8" x 1/8", Cu Tube, Al fin	FXZQ05/07/09TAVJU	48
		5011004	3/8" x 1/8", Cu Tube, Al fin	FXZQ12/15TAVJU	Interp.
		5011003	3/8" x 1/8", Cu Tube, Al fin	FXZQ18TAVJU	49
		2397793	3/8" x 1/8", Cu Tube, Al fin	FXSQ05/07/09TAVJU	46
	2397801	3/8" x 1/8", Cu Tube, Al fin	FXSQ12TAVJU	Interp.	

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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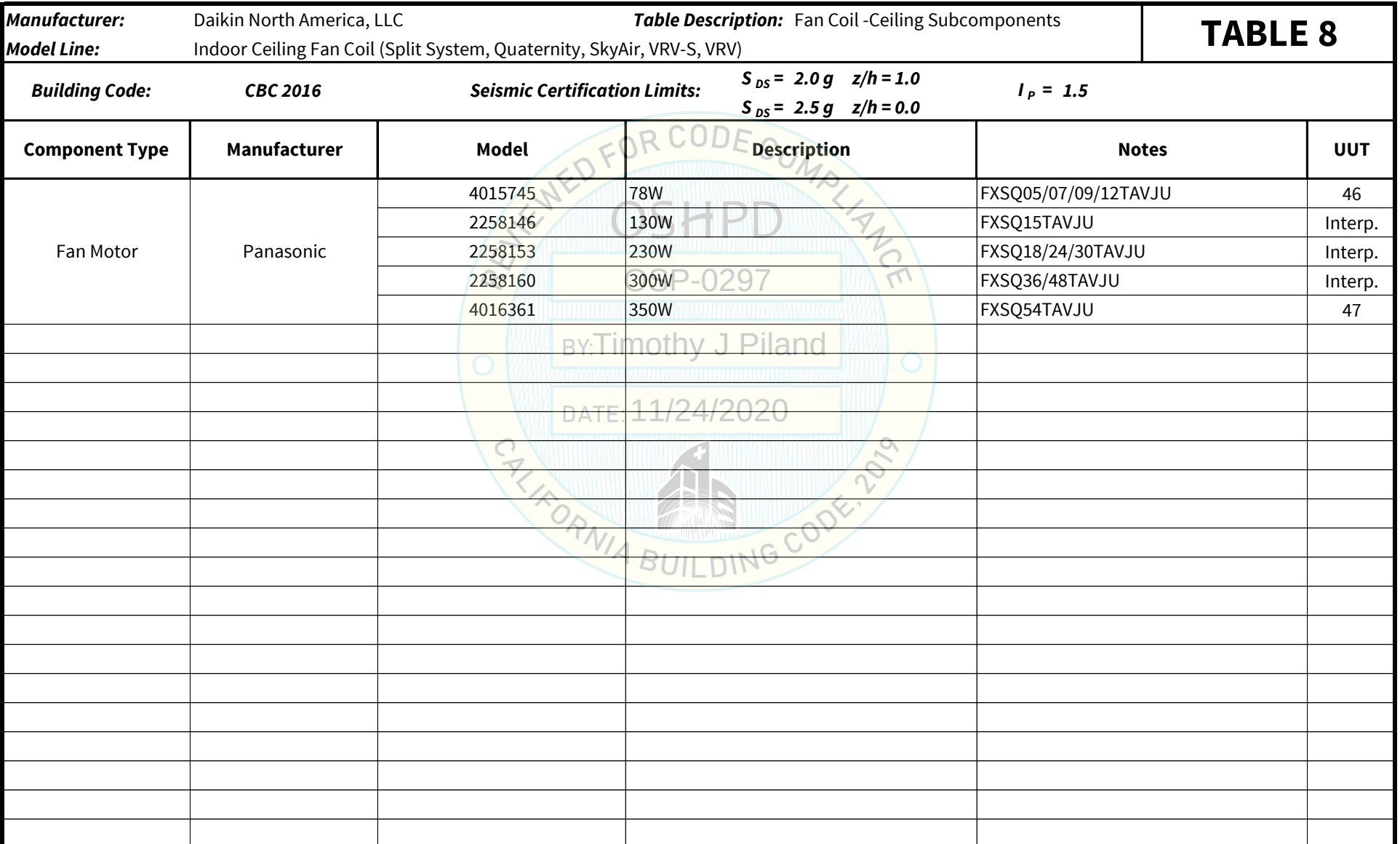


Manufacturer: Daikin North America, LLC		Table Description: Fan Coil -Ceiling Subcomponents			TABLE 8
Model Line: Indoor Ceiling Fan Coil (Split System, Quaternity, SkyAir, VRV-S, VRV)					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0\text{ g}$ $z/h = 1.0$ $S_{DS} = 2.5\text{ g}$ $z/h = 0.0$		$I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Heat Exchanger	Daikin	2397856	3/8" x 1/8", Cu Tube, Al fin	FXSQ15TAVJU	Interp.
		2397870	3/8" x 1/8", Cu Tube, Al fin	FXSQ18TAVJU	Interp.
		2397887	3/8" x 1/8", Cu Tube, Al fin	FXSQ24TAVJU	Interp.
		2397863	3/8" x 1/8", Cu Tube, Al fin	FXSQ30TAVJU	Interp.
		2397919	3/8" x 1/8", Cu Tube, Al fin	FXSQ36TAVJU	Interp.
		2397902	3/8" x 1/8", Cu Tube, Al fin	FXSQ48TAVJU	Interp.
		2397933	3/8" x 1/8", Cu Tube, Al fin	FXSQ54TAVJU	47
Expansion Valve	Daikin	2108342	Pulse motor electronic expansion valve	FXZQ05/07/09TAVJU	48
		2108359	Pulse motor electronic expansion valve	FXZQ12/15TAVJU	Interp.
		2110073	Pulse motor electronic expansion valve	FXZQ18TAVJU	49
		4015738	Pulse motor electronic expansion valve	FXSQ05/07/09TAVJU	46
		4015739	Pulse motor electronic expansion valve	FXSQ12/15TAVJU	Interp.
		2214021	Pulse motor electronic expansion valve	FXSQ18/24TAVJU	Interp.
		4018537	Pulse motor electronic expansion valve	FXSQ30TAVJU	Interp.
		4018534	Pulse motor electronic expansion valve	FXSQ36/48TAVJU	Interp.
		2371955	Pulse motor electronic expansion valve	FXSQ54TAVJU	47
Fan Assembly	Sirocco	2397818	Galvanized Steel	FXSQ05/07/09/12TAVJU	46
		2P383156-2	Galvanized Steel	FXSQ15TAVJU	Interp.
		2P383155-2	Galvanized Steel	FXSQ18/24/30TAVJU	Interp.
		2P383154-2	Galvanized Steel	FXSQ36/48TAVJU	Interp.
		2P394978-1	Galvanized Steel	FXSQ54TAVJU	47
Turbo Fan Rotor	Sirocco	5011010	Molded polymer, 12" Ø		48,49
Fan Motor	Panasonic	5011038	50W		48,49

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Manufacturer: Daikin North America, LLC		Table Description: Branch Subcomponents			TABLE 9
Model Line: Indoor Branch Selectors (VRV)					
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Valve	Daikin	1801408	Body/Motor Operated Valve, Copper		25
		1801390	Body/Motor Operated Valve, Copper		25
		1801415	Body/Motor Operated Valve, Copper		25
		1801299,	Coil/Motor Operated Valve, Copper		25
		1801282,	Coil/Motor Operated Valve, Copper		25
		1801275,	Coil/Motor Operated Valve, Copper		25
		1801268,	Coil/Motor Operated Valve, Copper		25
		1801251	Coil/Motor Operated Valve, Copper		25
		1939738	Coil/Motor Operated Valve (Main Discharge), Copper		26
		1939745	Coil/Motor Operated Valve (Main Suction), Copper		26
		1939752	Coil/Motor Operated Valve (Sub Cool), Copper		26
		1939769	Coil/Motor Operated Valve (Sub Discharge), Copper		26
	1939776	Coil/Motor Operated Valve (Sub Suction), Copper		26	

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Daikin North America, LLC		Table Description: Branch Subcomponents			TABLE 9
Model Line: Indoor Branch Selectors (VRV)					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$			$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Valve	Daikin	2271194	Coil/Electronic Exp. Valve, Copper		31,32
		2227476	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2227515	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2271202	Coil/Electronic Exp. Valve, Copper		31,32
		2227469	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2227508	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2271219	Coil/Electronic Exp. Valve, Copper		31,32
		2227452	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2227490	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2271226	Coil/Electronic Exp. Valve, Copper		31,32
		2227445	Coil/Electronic Exp. Valve Assy., Copper		31,32
		2227483	Coil/Electronic Exp. Valve Assy., Copper		31,32

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Manufacturer: Daikin North America, LLC		Table Description: Multi Position AHU Subcomponents			TABLE 10
Model Line: Indoor Air Handling Unit					
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$ $I_P = 1.5$	
Component Type	Manufacturer	Model	Description	Notes	UUT
Heat Exchanger	Daikin	0270A01156	3/8" x 1/8", Al Tube, Al fin	FXTQ09	40
		0270A01157	3/8" x 1/8", Al Tube, Al fin	FXTQ12	Interp.
		0270A01159	3/8" x 1/8", Al Tube, Al fin	FXTQ18	Interp.
		0270A01160	3/8" x 1/8", Al Tube, Al fin	FXTQ24	Interp.
		0270A01161	3/8" x 1/8", Al Tube, Al fin	FXTQ30	Interp.
		0270A01162	3/8" x 1/8", Al Tube, Al fin	FXTQ36	Interp.
		0270A01196	3/8" x 1/8", Al Tube, Al fin	FXTQ42	Interp.
		0270A01197	3/8" x 1/8", Al Tube, Al fin	FXTQ48	Interp.
		0270A01206	3/8" x 1/8", Al Tube, Al fin	FXTQ54, 60 - tested in FXTQ60	41
Fan Motor	Daikin	0131M00270	1/2 Hp, Serial ECM	FXTQ09-36	40
		0131M00271	3/4 Hp, Serial ECM	FXTQ42-48	Interp.
		0131M00272	1 Hp, Serial ECM	FXTQ54	Interp.
				FXTQ60	41
Blower Assembly	Daikin	0271A00299	9 x 6", Galvanized Steel	FXTQ09-36, tested in FXTQ09	40
		0271A00029	10 x 8" , Galvanized Steel	FXTQ42,48	Interp.
		0271A00206	10 x 8" , Galvanized Steel	FXTQ54,60 - tested in FXTQ60	41
Expansion Valve	Daikin	3S500048-1	Pulse motor electronic expansion valve	FXTQ09	40
		3S500049-1		FXTQ12	Interp.
		3S500050-1		FXTQ18	Interp.
		3S500051-1		FXTQ24	Interp.
		3S500052-1		FXTQ30	Interp.
		3S500053-1		FXTQ36, 42	Interp.
		3S500054-1		FXTQ54, 60 - tested in FXTQ60	41

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UNIT UNDER TEST (UUT) SUMMARY SHEET

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Manufacturer: Daikin North America, LLC						
Model Line: Split System, Quaternary, SkyAir, VRV-S, VRV						
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _p
1	RXS09LVJU, 75lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.87	1.0	1.5
2	RXS24LVJU, 158lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
3	RXS36LVJU, 181lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
4	RZQ30PVJU, 147lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.50	1.0	1.5
5	RXYMQ48PVJU, 271lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
6	REMQ72PBTJ, 444lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.87	1.0	1.5
7	REMQ120PBYD, 568lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
8	RXYQ96PBTJ, 585lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	3.05	1.0	1.5
9	REYQ120PBYD, 736lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.87	1.0	1.5
10	REYQ144PBTJ, 728lb, Base - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
11	FTXG09HVJU, 29lb, Wall - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.95	1.0	1.5
12	FXAQ09PVJU, 25lb, Wall - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
13	FTXS24LVJU, 32lb, Wall - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.90	1.0	1.5
14	FAQ18PVJU, 31lb, Wall - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
15	FTXS36LVJU, 36lb, Wall - Rigid Mount	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
16	FXHQ12MVJU, 59lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
Notes:						

UNIT UNDER TEST (UUT) SUMMARY SHEET

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Manufacturer: Daikin North America, LLC						
Model Line: Split System, Quaternity, SkyAir, VRV-S, VRV						
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _p
17	FHQ42MVJU, 93lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	3.05	1.0	1.5
18	FXFQ09PVJU, 70lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
19	FXFQ48PVJU, 82lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.95	1.0	1.5
20	FXMQ12PVJU, 67lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
21	FXMQ18PVJU, 99lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.90	1.0	1.5
22	FXMQ48PVJU, 128lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
23	FXMQ48MFVJU, 212lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
24	FXMQ96MVJU, 376lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.92	1.0	1.5
25	BSVQ36PVJU, 25lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.98	1.0	1.5
26	BSV6Q36PVJU, 203lb, Ceiling - Suspended	Q1222.0, Rev 0	QualTech NP	2.95	1.0	1.5
27	RXYQ72TTJU, 444lb, Base - Rigid Mount	JID 15-1054, Rev 0	Clark Testing	2.50	1.0	1.5
28	RXYQ168TYDN, 702lb, Base - Rigid Mount	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
29	REYQ72TTJU, 518lb, Base - Rigid Mount	JID 15-1054, Rev 0	Clark Testing	2.50	1.0	1.5
30	REYQ168TYDN, 798lb, Base - Rigid Mount	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
31	BS4Q54TVJ, 48lb, Ceiling - Suspended	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
32	BS12Q54TVJ, 104lb, Ceiling - Suspended	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
Notes:						

UNIT UNDER TEST (UUT) SUMMARY SHEET

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Manufacturer: Daikin North America, LLC						
Model Line: Split System, Quaternity, SkyAir, VRV-S, VRV						
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _p
33	FXUQ18PVJU, 56lb, Ceiling - Suspended	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
34	NOT USED					
35	FXFQ07TVJU, 54lb, Ceiling - Suspended	JID 15-1054, Rev 0	Clark Testing	2.00	1.0	1.5
				2.50	0.0	1.5
36	NOT USED					
37	RXTQ36TAVJU, 175.5 lb, Base - Rigid Mount	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
38	RXTQ60TAVJU, 221.5 lb, Base - Rigid Mount	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
39	RWEQ96TATJU, 439 lb, Base - Rigid Mount	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
40	FXTQ09TAVJU, 94.5 lb, Base - Rigid Mount	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
41	FXTQ60TAVJU, 147 lb, Base - Rigid Mount	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
42	FXUQ36PVJU, 60.5 lb, Ceiling - Suspended	14662, Rev. 3	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
43, 44	NOT USED					
45	RWQE144TAYDU, 450.5 lbs, Base Rigid Mount	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
46	FXSQ07TAVJU, 52 lbs, Ceiling-Suspended	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
47	FXSQ54TAVJU, 110.5 lbs, Ceiling-Suspended	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
48	FXZQ09TAVJU, 41.5 lbs, Ceiling-Suspended	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
49	FXZQ18TAVJU, 46 lbs, Ceiling-Suspended	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
50	REYQ72XATJU, 714 lbs, Base Rigid Mount	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5
51	REYQ144XATJU, 785 lbs, Base Rigid Mount	15215, Rev.1	Environment Testing Laboratory, Inc.	2.00	1.0	1.5
				2.50	0.0	1.5

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UNIT UNDER TEST (UUT) SUMMARY SHEET



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Manufacturer:	Daikin North America, LLC	UUT 1
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXS09LVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.27 mm coil DAIKIN 3P138067-2

Compressor: 12,000 Btu/h DAIKIN 1YC23AEXD

Fan: Propeller 23W NIDEC 3SB40632-6

Printed Circuit Boards: Main DAIKIN 4009626, Filter DAIKIN 4009359

Expansion Valve: FUJIKOKI CAM-B30YGDM

Other: DAIKIN Carbon Steel cabinet, DAIKIN KPW937A4 Low ambient wind baffle

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
75	11.8	33.5	21.5	29.5	>33.3	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.87	1.0	1.5	4.59	3.44	1.91	0.77

Test Mounting Details:



Rigid base mounted with (4) 3/8"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



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Manufacturer:	Daikin North America, LLC	UUT 2
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXS24LVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN 2P170976-3

Compressor: 21,500 Btu/h DAIKIN 2YC63BXD#A

Fan: Propeller 60W NIDEC 3SB40622-3

Printed Circuit Boards: Main DAIKIN 4009630, Filter DAIKIN 1688256

Expansion Valve: FUJIKOKI CAM-B30YGDM, Other: DAIKIN Carbon steel cabinet, DAIKIN KPW945A4 Low ambient wind baffle

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
158	11.5	29.5	14.3	12.2	6.6	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 3
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXS36LVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN 3P287611-2

Compressor: 36,000 Btu/h DAIKIN 2YC63FXD#D

Fan: Propeller 200W Panasonic 3SB40675-1

Printed Circuit Board: Main DAIKIN 4009635

Expansion Valve Valve: Saginomiya UKV-25D, Other: DAIKIN Carbon steel cabinet

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
181	14.0	37.0	39.3	11.5	6.6	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts & (4) 1/16"x1-1/2" aluminum straps were secured approximately 30° relative to vertical surface of the unit with (2) #10 SMS to unit & 1/4"Ø bolt to table

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

TRU Compliance, by Structural Integrity Associates, Inc.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 4
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RZQ30PVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-RZQ71K

Compressor: 18000 Btu/h DAIKIN 2YC63HDX

Fan: Propeller Fan 70W WADA ELECTRIC 3P123189-1

Printed Circuit Boards: Main DAIKIN 1939093, 2053202; Display DAIKIN 1939101

Other: DAIKIN Carbon steel cabinet, DAIKIN KPW5E80 Low ambient wind baffle

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
147	14.0	35.3	30.8	28.8	8.2	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 5
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXYMQ48PVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit & (3) #10 SMS top cover to frame & (10) #10 SMS compressor cover to frame

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN 3P142404-2

Compressor: 48,000 Btu/h DAIKIN JT100G-VDLW

Fan: Propeller Fan (70W x 2) NIDEC 3P171341-1

Printed Circuit Boards: Main DAIKIN 2022215; Service DAIKIN 1717990; Noise Filter DAIKIN 4005917; C/H Selector DAIKIN 1718018

Other: DAIKIN Carbon steel cabinet; DAIKIN KPW5E80 Low ambient wind baffle

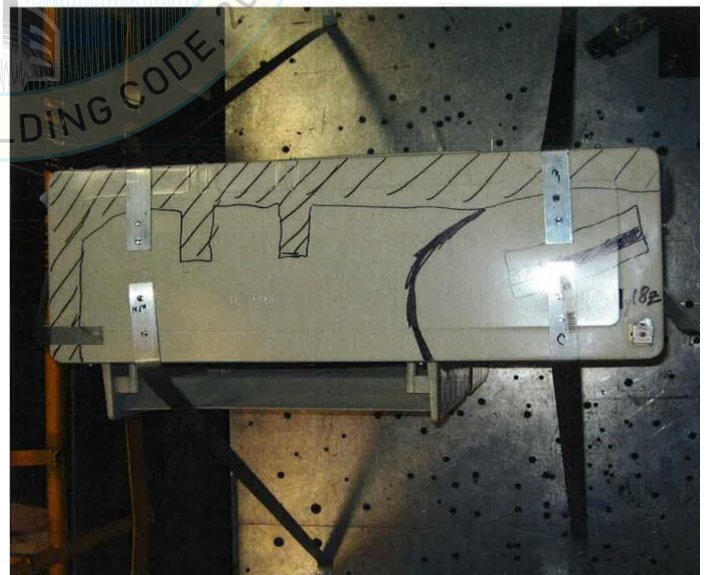
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
271	14.3	35.3	52.0	7	7.3	14.5

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts & (4) 1/16"x 2" aluminum straps were secured approximately 30° relative to vertical surface of the unit with (2) #10 SMS to unit & 1/4"Ø bolt to table

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 6
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REMQ72PBTJ	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-RXYQ8PYD

Compressor: 72,000 Btu/h DAIKIN JT100GCVDKW, Fan: Propeller Fan/Direct Drive 750W 3P170259-1

Printed Circuit Boards: Main DAIKIN 1926042; Earth Leakage Detector DAIKIN 1894239; Printed Circuit Assy. (Sub) DAIKIN 1852242; Noise Filter DAIKIN 1852235; Inverter DAIKIN 1852228; Inverter Assy. (Fan Driver) DAIKIN 1697089

Other: DAIKIN Carbon steel cabinet; DAIKIN BRP2A81 Cool/Heat Selector (Requires BRP2A81 ABC Terminal Kit)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
444	30.3	36.8	66.0	7.7	6.4	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.87	1.0	1.5	4.59	3.44	1.91	0.77

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 7
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REMQ120PBYD	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-RXYQ10PYD, Compressors: 60,000 Btu/h DAIKIN JT1G-VDKWYR; 60,000 Btu/h DAIKIN JT170G-KWYD, Fan: Propeller Fan/Direct Drive 750W Panasonic 3P180619-1
Printed Circuit Boards: Main DAIKIN 2066594; Earth Leakage Detector DAIKIN 1894239; Inverter DAIKIN 1873085; Printed Circuit Assy. (Sub) DAIKIN 1852242; Current Sensor DAIKIN 1695780; ABC I/P DAIKIN 1716788
Other: DAIKIN Carbon steel cabinet; DAIKIN BRP2A81 Cool/Heat Selector (Requires BRP2A81 ABC Terminal Kit)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
568	30.3	36.8	66.0	8.1	7.9	14.5

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 8
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXYQ96PBTJ	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-RXYQ12PY1, Compressors: Capacity 48,000 Btu/h, 2200 W DAIKIN JT100GCVDKW; Capacity 48,000 Btu/h, 4500 W DAIKIN JT170G-KWTJ, Fan: Propeller Fan/Direct Drive (350W x 2) NIDEC 3P170281-2
Printed Circuit Boards: Main DAIKIN 2041533; Noise Filter DAIKIN 1852235; Printed Circuit Assy. (Inverter) DAIKIN 1873078; Inverter Assy. (Fan Driver) DAIKIN 1873092; Current Sensor DAIKIN 1695780; Earth Leakage Dectector DAIKIN 1894246; ABC I/P DAIKIN 1716788, Other: DAIKIN Carbon steel cabinet; DAIKIN BRP2A81 Cool/Heat Selector (Requires BRP2A81 ABC Terminal Kit)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
585	30.1	48.9	66.0	9.1	7.2	14.5

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	3.05	1.0	1.5	4.88	3.66	2.03	0.81

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 9
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ120PBYD	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-REYQ5PY1, Compressors: Capacity 60,000 Btu/h, 3500 W DAIKIN JT1G-VDKWYR; Capacity 60,000 Btu/h, 4500 W DAIKIN JT170G-KWYD, Fan: Propeller Fan/Direct Drive (350W x 2) NIDEC 3P170281-2
Printed Circuit Boards: Main DAIKIN 2041533; Noise Filter DAIKIN 1852235; Printed Circuit Assy. (Inverter) DAIKIN 1873078; Inverter Assy. (Fan Driver) DAIKIN 1873092; Earth Leakage Detector DAIKIN 1894246
Other: DAIKIN Carbon steel cabinet; DAIKIN BRP2A81 Cool/Heat Selector (Requires BRP2A81 ABC Terminal Kit)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
736	30.3	51.4	66.0	9.5	8.2	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.87	1.0	1.5	4.59	3.44	1.91	0.77

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 10
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ144PBTJ	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CA-REYQ5PY1, Compressor: Capacity 72,000 Btu/h (2), 3800 W (2) DAIKIN JT100GCVDKW, Fan: Propeller Fan/Direct Drive (750W x 2) Panasonic 3P180619-1
Printed Circuit Boards: Printed Circuit Assy. (Inverter) DAIKIN 1873078; Printed Circuit Assy. (Sub 1) DAIKIN 1852242; Printed Circuit Assy. (Sub 2) DAIKIN 1873148; Earth Leakage Detector DAIKIN 1894246; Main DAIKIN 2041533
Other: DAIKIN Carbon steel cabinet; DAIKIN BRP2A81 Cool/Heat Selector (Requires BRP2A81 ABC Terminal Kit)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
728	30.3	51.4	66.0	8.4	7.7	14.6

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Rigid base mounted with (4) 1/2"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 11
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FTXG09HVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 6.35 mm x 0.3 mm coil DAIKIN 3P204553-2

Fan: Cross Flow Fan 23W NIDEC 3SB40647-3

Printed Circuit Boards: Printed Circuit Assy(Photo/Display) DAIKIN 1840054; Pyroelectric Passive Infrared Sensor DAIKIN 1840061; Main DAIKIN 4009433

Other: DAIKIN 1843053 Deodorizing filters; DAIKIN 1700125 Filter; DAIKIN 1685846 Filter; DAIKIN 1843039 Photocatalytic filter

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
29	8.5	35.0	12.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.95	1.0	1.5	4.72	3.54	1.97	0.79

Test Mounting Details:



Wall mounted with (4) 3/8"Ø A307 bolts & (1) #6-32 screw & (1) #10-32 screw

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 12
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXAQ09PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 2P168924-4

Fan: Cross Flow Fan 40W NIDEC 3SB40565-1

Printed Circuit Boards: Main DAIKIN 4008765; Main DAIKIN 4005831

Expansion Valve: Fujikoki 2SA50075-1-KU

Other: DAIKIN BRC7E818 Individual Zone Controller; DAIKIN 1288416 Filter

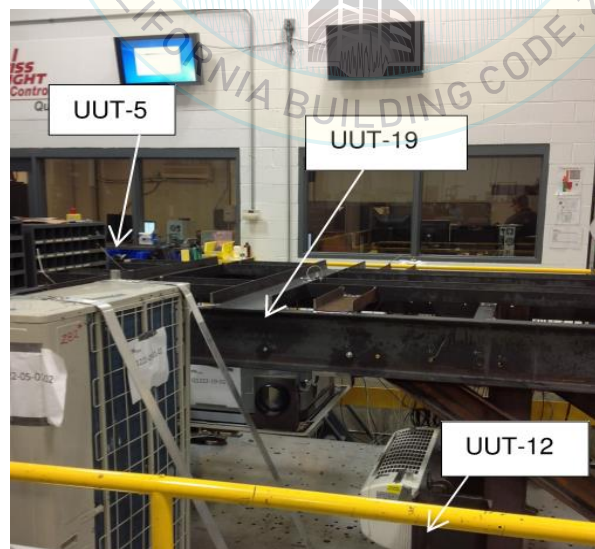
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
25	9.3	31.0	11.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Wall mounted with (4) 3/8"Ø A307 bolts & (5) #10 self-tapping screws

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 13
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FTXS24LVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 6.35 mm x 0.3 mm coil DAIKIN 1P287200-1

Fan: Cross Flow Fan 48W Panasonic 3SB40720-1

Printed Circuit Boards: Printed Circuit Assy(Photo/Display) DAIKIN 4000843; Printed Crt Assy(Infrared Sensor) DAIKIN 4000844;

Main DAIKIN 4009491

Other: DAIKIN 4009476 Filter; DAIKIN 1840489 Photocatalytic filter

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
32	9.8	40.8	13.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.90	1.0	1.5	4.64	3.48	1.93	0.77

Test Mounting Details:



Wall mounted with (4) 3/8"Ø A307 bolts & (1) #10-32 screw

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 14
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FAQ18PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 2P171400-2

Fan: Cross Flow Fan 43W Panasonic 3SB40591-1

Printed Circuit Board: Main DAIKIN 1884472

Expansion Valve: Valve Fujikoki 2SA50075-1-SI

Other: DAIKIN BRC7E818 Individual Zone Controller; DAIKIN Plastic Mesh 1380242 Filter

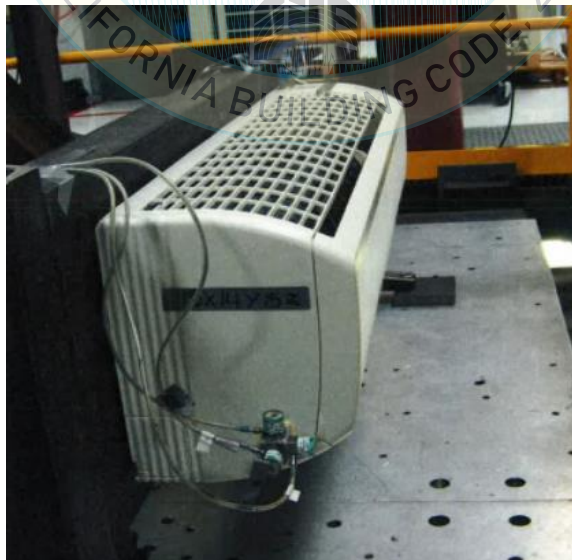
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
31	8.5	41.1	11.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Wall mounted with (4) 3/8"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 15
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	[enter model number]	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 2P222543-1

Fan: Cross Flow Fan 64W NIDEC 3SB40672-1

Printed Circuit Boards: Printed Circuit Assy.(Photo/Display) DAIKIN 4000843; Printed Circuit Assy. (Infrared Sensor) DAIKIN 4000844;

Main DAIKIN 4009500

Other: DAIKIN 4000835 Plastic Mesh Filter; DAIKIN 1840489 Photocatalytic filter

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
36	9.5	46.9	13.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Wall mounted with (4) 3/8"Ø A307 bolts & (1) #6-32 screw

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 16
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXHQ12MVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil AFREX 2PN05185-3

Fan: Sirocco Fan 60W Panasonic 3PN04213-1

Printed Circuit Boards: Main DAIKIN 1621626; Main DAIKIN 1621633; Main DAIKIN 162163J

Expansion Valve: Valve Fujikoki 2SA50046-2-KE

Other: DAIKIN 1245349 Filter

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
59	8.0	37.5	27.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Ceiling mounted w/ (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 17
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FHQ24MVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil AFREX 2PN05189-3

Fan: Sirocco Fan 130W Panasonic 3PN04404-1

Printed Circuit Board: Main DAIKIN 1621626; Main DAIKIN 1621633; Main DAIKIN 162163J

Expansion Valve: Valve Fujikoki 2SA50046-2-KA

Other: DAIKIN BRC7E83 Individual Zone Controller; DAIKIN 1245363 Filter

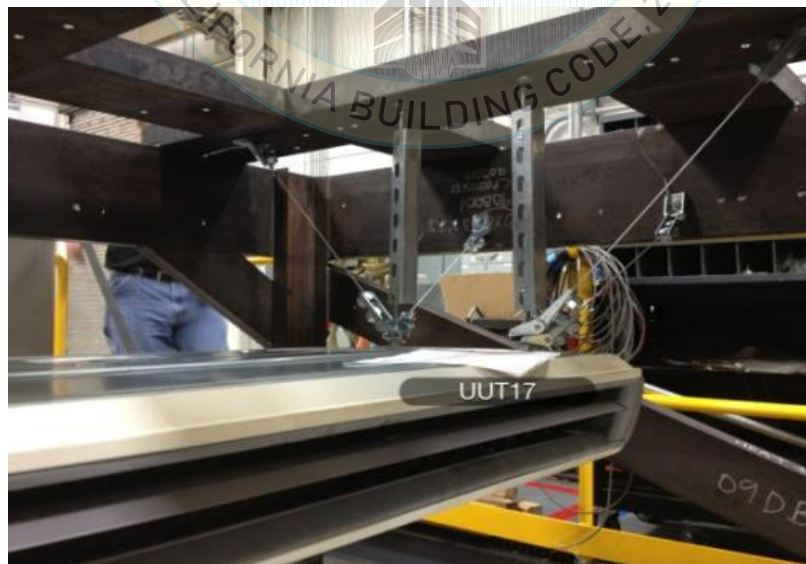
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
93	8.0	62.0	27.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	3.05	1.0	1.5	4.88	3.66	2.03	0.81

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

TRU Compliance, by Structural Integrity Associates, Inc.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 18
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXFQ09PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet with 6-#10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 2P231854-1, Fan: 3P173872-1 Turbo Fan 56W Panasonic 3P173872-1
Printed Circuit Board: Main DAIKIN 2034193; Group Control Adaptor DAIKIN KRP4A74 , Expansion Valve: Valve Saginomiya 3SA50093-1

Other: Installation Box for Adapter PCB DAIKIN KRP1H98; DAIKIN KRP1C75 Wiring Adapter PCB (requires KRP1H98 for FXFQ_PVJU); DAIKIN KDDP55B160K Fresh Air Intake Kit with T Pipe; DAIKIN DACA-FQP13-1K MERV 13 Filter & Kit

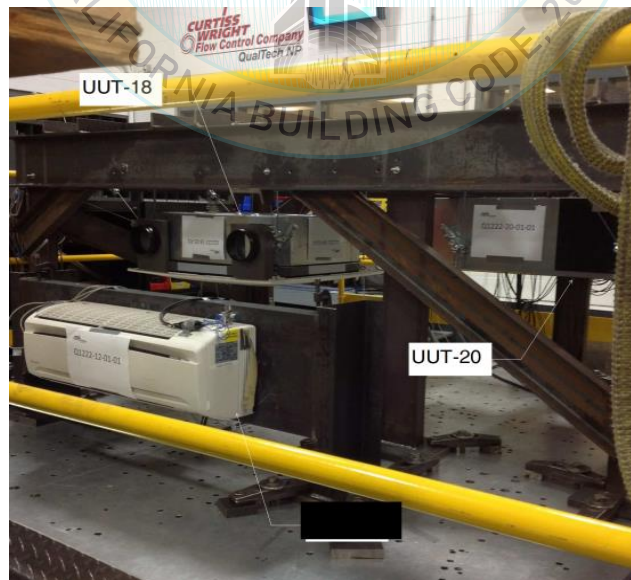
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
70	33.0	33.0	9.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Ceiling mounted with (4) 3/8"Ø A36 hanger rods w/ rod stiffeners with 1/2" washers & nuts above and below mounting ears & (8) 1/8" Ø diagonal cable braces w/ Mason SCB-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 19
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXFQ48PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet with 6-#10 SMS at each mounting ear (24 total) & #10 SMS in grille latch

Options/Subcomponent Summary:

Heat Exchanger: 7mm coil DAIKIN 2P231856-1, Fan: 3P173873-1 Turbo Fan 120W Panasonic 3P173873-1, Printed Circuit Boards: Main DAIKIN 2034193; Group Control Adaptor DAIKIN KRP4A74
Expansion Valve: Valve Saginomiya 3SA50095-1, Other: DAIKIN KRP1H98 Installation Box for Adapter PCB; DAIKIN KRP1C75 Wiring Adapter PCB (requires KRP1H98 for FXFQ_PVJU); DAIKIN KDDP55B160K Fresh Air Intake Kit with T Pipe; DAIKIN DACA-FQP13-1K MERV 13 Filter & Kit

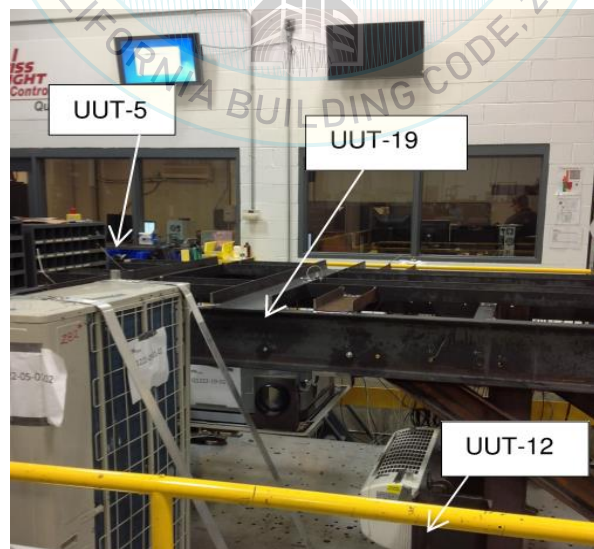
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
82	33.0	33.0	11.4	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.95	1.0	1.5	4.72	3.54	1.97	0.79

Test Mounting Details:



Ceiling mounted with (4) 3/8"Ø A36 hanger rods w/ rod stiffeners with 1/2" washers and nuts above and below mounting ears & (8) 1/8" diagonal cable braces w/ Mason SCB-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 20
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXMQ12PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 3P290389-1, Fan: Sirocco Fan 90W NIDEC 3P229859-1

Printed Circuit Boards: Main DAIKIN 4006121; Printed Circuit Assy. (Fan) DAIKIN 4006122

Expansion Valve: Valve Fujikoki 2SA50046-1-KE

Other: DAIKIN DACA-FXMQ12-13-1K MERV 13 Filter Kit (Throwaway Type); DAIKIN KRP1C74 Wiring Adapter PCB; DAIKIN KRP4A71 Group Control Adaptor PCB; DAIKIN KRP4A96 Mounting Plate for Accessory PCB

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
67	25.0	30.0	12.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Ceiling mounted w/ A14(4) 3/8"Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 21
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	FXMQ18PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 3P288941-1, Fan: Sirocco Fan 350W Panasonic 3P259061-2
 Printed Circuit Board: Printed Circuit Assy. DAIKIN 1863862; Printed Circuit Assy. (Inverter) DAIKIN 2007595; Main DAIKIN 4006121,
 Expansion Valve: Valve Fujikoki 2SA50046-1-SU
 Other: DAIKIN DACA-FXMQ12-13-1K MERV 13 Filter Kit (Throwaway Type); DAIKIN KRP1C74 Wiring Adapter PCB; DAIKIN KRP4A71
 Group Control Adaptor PCB; DAIKIN KRP4A96 Mounting Plate for Accessory PCB

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
99	30.0	42.5	12.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.90	1.0	1.5	4.64	3.48	1.93	0.77

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end.
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
 Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 22
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXMQ48PVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7 mm x 0.3 mm coil DAIKIN 3P288942-1, Fan: Sirocco Fan 350W Panasonic 3P204674-2

Printed Circuit Boards: Inverter Assy. DAIKIN 2007588; DAIKIN 1863862; Main DAIKIN 4006121, Expansion Valve: Valve Fujikoki 2SA50046-2-KA

Other: DAIKIN DACA-FXMQ12-13-1K MERV 13 Filter Kit (Throwaway Type); DAIKIN KRP1C74 Wiring Adapter PCB; DAIKIN KRP4A71 Group Control Adaptor PCB; DAIKIN KRP4A96 Mounting Plate for Accessory PCB

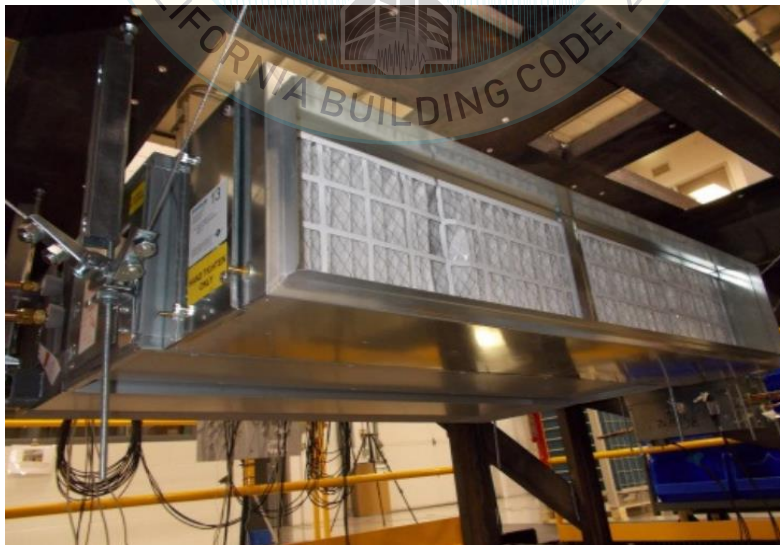
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
128	30.0	58.5	12.0	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end . Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 23
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXMQ48MFVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet

Options/Subcomponent Summary:

Heat Exchanger 8 mm x 0.3 mm coil DAIKIN CRB-FXYMP224M

Fan: Sirocco Fan 380W TOP 3P028033-1, Printed Circuit Board: Main DAIKIN 1962257

Expansion Valve: Valve Fujikoki 2SA50046-2-KA

Other: DAIKIN DACA-FXMQ12-13-1K MERV 13 Filter Kit (Throwaway Type); DAIKIN KRP1C74 Wiring Adapter PCB; DAIKIN KRP4A71 Group Control Adaptor PCB

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
212	33.5	44.5	18.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 24
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXMQ96MVJU	
Serial Number:		N/A

Product Construction Summary:

Plastic cabinet with #10 SMS at each mounting ear (4 total)

Options/Subcomponent Summary:

Heat Exchanger: 8 mm x 0.3 mm coil DAIKIN CRB-FXYMP280M

Fan: Sirocco Fan (380W x 2) TOP 3P028033-1, Printed Circuit Boards: Main DAIKIN 1962257; Main DAIKIN 1962219

Expansion Valve: Valve Fujikoki 2SA50046-2-KE

Other: DAIKIN DACA-FXMQ12-13-1K MERV 13 Filter Kit (Throwaway Type); DAIKIN KRP1C74 Wiring Adapter PCB; DAIKIN KRP4A71 Group Control Adaptor PCB

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
376	44.5	58.5	19.5	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.92	1.0	1.5	4.67	3.50	1.95	0.78

Test Mounting Details:



Ceiling mounted with (4) 3/8"Ø A36 hanger rods w/ rod stiffeners with 1/2" washers and nuts above and below mounting ears & (8) 1/8" Ø diagonal cable braces w/ Mason SCB-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 25
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	BSVQ36PVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Printed Circuit Board: Main DAIKIN 1893591

Valves: BODY/ MOTOR OPERATED VALVE DAIKIN 1801408; COIL/ MOTOR OPERATED VALVE DAIKIN 1801299; BODY/ MOTOR OPERATED VALVE DAIKIN 1801390; COIL/ MOTOR OPERATED VALVE DAIKIN 1801282; BODY/ MOTOR OPERATED VALVE DAIKIN 1801390; COIL/ MOTOR OPERATED VALVE DAIKIN 1801275; BODY/ MOTOR OPERATED VALVE DAIKIN 1801415; COIL/ MOTOR OPERATED VALVE DAIKIN 1801268; BODY/ MOTOR OPERATED VALVE DAIKIN 1801415; COIL/ MOTOR OPERATED VALVE DAIKIN 1801251

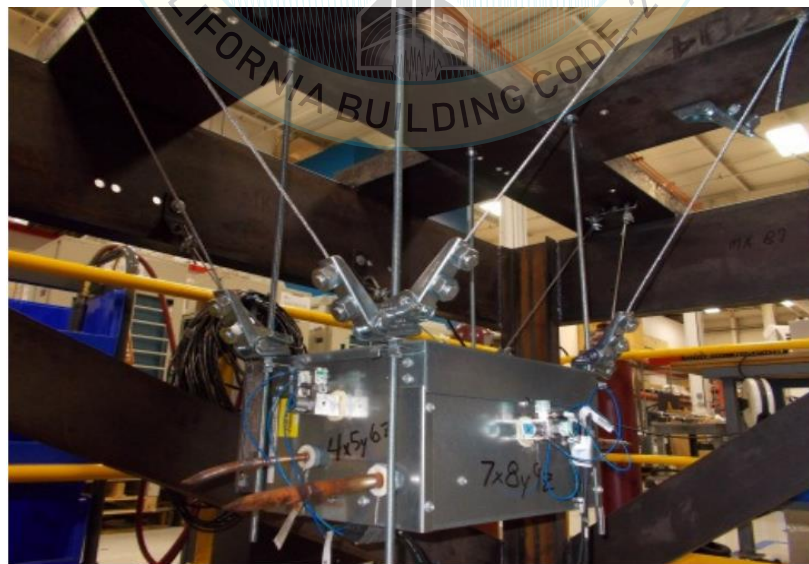
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
25	13.0	12.5	8.1	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.98	1.0	1.5	4.77	3.58	1.99	0.79

Test Mounting Details:



Ceiling mounted with (4) 3/8"Ø A36 hanger rods & (8) 1/8" Ø diagonal cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 26
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	BSV6Q36PVJU	
Serial Number:		N/A

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Printed Circuit Board: Main DAIKIN 2058618

Valves: COIL/ MOTOR OPERATED VALVE (MAIN SUCTION) DAIKIN 1939738; COIL/ MOTOR OPERATED VALVE (MAIN DISCHARGE) DAIKIN 1939745; COIL/ MOTOR OPERATED VALVE (SUB SUCTION) DAIKIN 1939752; COIL/ MOTOR OPERATED VALVE (SUB DISCHARGE) DAIKIN 1939769; COIL/ MOTOR OPERATED VALVE (SUB COOL) DAIKIN 1939776

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
203	25.0	62.1	8.1	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.95	1.0	1.5	4.72	3.54	1.97	0.79

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 27
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	RXYQ72TTJU	
Serial Number:		1510195615

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 7009440

Compressor: 72,000 BTU/hr, 208-230V, Carbon Steel, Daikin 1873054

Fan Motor: Propellor Fan 500 Watts, 208-230V, Panasonic, 1713309

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
444	30.2	36.7	66.7	5.4	21.2	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

Test Mounting Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 28
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXYQ168TYDN	
Serial Number:		1510119528

Product Construction Summary:

Carbon steel cabinet with seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 7009559

Compressor: 96,000 BTU/hr, 460V, Carbon Steel, Daikin 7009494

Fan Motor: Propellor Fan 650 Watts, 460V, Panasonic, 4012442

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
702	30.2	48.9	66.7	4.5	6.8	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



Rigid base mounted with (4) 3/8"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 29
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ72TTJU	
Serial Number:		1510085242

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 7500019

Compressor: 72,000 BTU/hr, 208-230V, Carbon Steel, Daikin 7009487

Fan Motor: Propellor Fan 400 Watts, 208-230V, Panasonic, 2219437

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back	Side-Side	Vertical				
518	30.2	36.7	66.7	4.9	7.5	>33.3				
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.5	1.0	1.5	4.00	3.00	1.67	0.67

Test Mounting Details:



Rigid base mounted with (4) 3/8"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 30
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ168TYDN	
Serial Number:		1506206866

Product Construction Summary:

Carbon steel cabinet with seismic enhancements: (3) #10 self tapping screws in each foot (12 total)

Options/Subcomponent Summary:

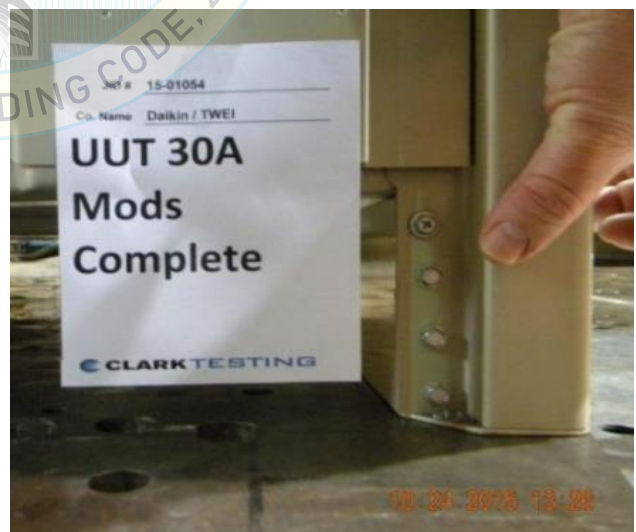
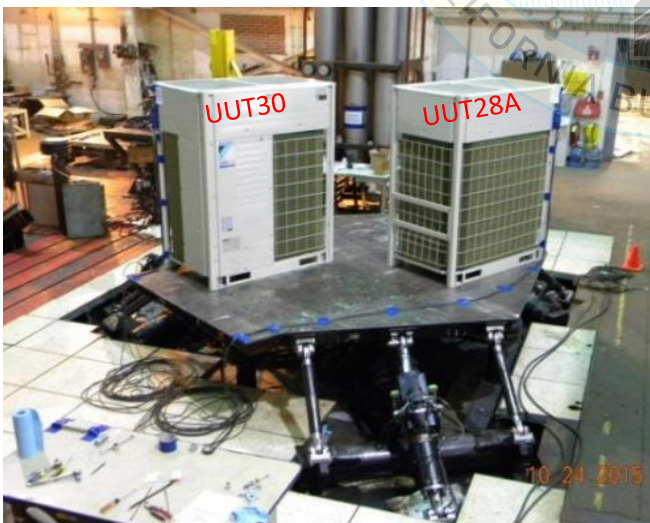
Heat Exchanger: 7mm x 0.3mm coil, Daikin 7500099

Compressors: 96,000 BTU/hr, 460V, Carbon Steel, Daikin 7009494 and 7009548

Fan Motor: Propellor Fan 650 Watts, 460V, Panasonic, 4012442

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back		Side-Side		Vertical		
798	30.2	48.9	66.7	4.2		5.4		>33.3		
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



Rigid base mounted with (4) 3/8"Ø A307 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 31
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	BS4Q54TVJ	
Serial Number:		A001008

Product Construction Summary:

Carbon steel cabinet with seismic enhancements: Additional (4) #10 self tapping screws in each mounting ear connection

Options/Subcomponent Summary:

Valves: COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271194; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227476; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227515; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271202; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227469; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227508; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271219; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227452; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227490; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271226; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227445; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 227483

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
48	18.9	14.6	11.8	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (4) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 32
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	BS12Q54TVJ	
Serial Number:		A000140

Product Construction Summary:

Carbon steel cabinet with seismic enhancements: 1/8" steel backer plate behind each mounting ear with (2) machine screws through each mounting ear.

Options/Subcomponent Summary:

Valves: COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271194; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227476; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227515; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271202; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227469; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227508; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271219; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227452; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227490; COIL/ ELECTRONIC EXP. VALVE, DAIKIN 2271226; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227445; COIL/ ELECTRONIC EXP. VALVE ASSY., DAIKIN 2227483

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
104	18.9	32.3	11.8	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (8) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 33
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXUQ18PVJU	
Serial Number:		C000176

Product Construction Summary:

Plastic and carbon steel cabinet with seismic upgrades: Four (4) 15/32" x 4-1/2" x 0.041" extension springs between grille cover and unit corner, fastened to existing screws and retightened. Springs extended approximately 2". Heavy duty square washer (1.5"x1.5") top and bottom of mounting bracket with (2) 1/2" flat washers as spacers on top only.

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 2273936
Fan Motor: QTS48D11M Turbo Fan 46W, 208-230V, Panasonic 2110749

UUT Properties									
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)					
	Depth	Width	Height	Front-Back	Side-Side	Vertical			
56	37.4	37.4	7.8	N/A	N/A	N/A			
UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0	1.0	1.5	3.2	2.4	1.67	0.67	
		2.5	0.0						

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (4) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 35
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXFQ07TVJU	
Serial Number:		C000406

Product Construction Summary:

Carbon steel cabinet with seismic upgrades: Eight (8) #10 SMS in each mounting ear. Four (4) cable tie (shipped with unit) chains, each with two links, between decoration panel cover latches and through mounting ear. Two (2) strips of heavy duty Velcro® tape 1" x 2" at each corner cover (eight total).

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 1993028
Fan Motor: QTS48C15M Turbo Fan 48W, 208-230V, Panasonic 1993105

UUT Properties									
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)					
	Depth	Width	Height	Front-Back	Side-Side	Vertical			
54	33.1	33.1	9.7	N/A	N/A	N/A			
UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0	1.0	1.5	3.2	2.4	1.67	0.67	
		2.5	0.0						

Test Mounting Details:



Ceiling mounted w/ (4) 3/8" Ø A36 hanger rods w/ rod stiffeners & (4) 1/8" Ø diag. cable braces w/ Mason SCB-1 clips at each end. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 37
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXTQ36TAVJU	
Serial Number:		F000419

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Daikin Heat Exchanger 6021439

Daikin Swing Compressor 15.3A 6025911

Fan Motor 200W Daikin 6016145

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
175.5	12.6	37.0	39.0	13.21	12.1	> 33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



In addition to (4) 1/2" Grade 5 bolts used at the mounting feet, UUT #37 was also secured to the shake table with stainless-steel strapping. Two (2) stainless steel straps (3/4" wide and 0.02" thick) were secured approximately 30° relative to vertical surface of the unit to the shake table with (2) #10-16 X1/2" Phillips Pan Head Zinc Finish Screws at each end of the strapping. The strapping was affixed to the top of the test unit with (2) #10-16 X1/2" Phillips Pan Head Zinc Finish Screws.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 38
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RXTQ60TAVJU	
Serial Number:		F001523

Product Construction Summary:

Carbon steel cabinet with (4) cable ties grille to unit frame

Options/Subcomponent Summary:

Daikin Heat Exchanger 6019584
Swing Compressor 23.2A Daikin 2025911
Fan Motor (2) 70W Daikin 2024336

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
221.5	12.6	35.4	52.9	>33.3	10.97	> 33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



(4) Ties on UUT# 38



Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

In addition to (4) 1/2" Grade 5 bolts used at the mounting feet, UUT #38 was also secured to the shake table with stainless-steel strapping. Two (2) stainless steel straps (3/4" wide and 0.02" thick) were secured approximately 30° relative to vertical surface of the unit to the shake table with (2) #10-16 X1/2" Phillips Pan Head Zinc Finish Screws at each end of the strapping. The strapping

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UNIT UNDER TEST (UUT) SUMMARY SHEET



1801376-CR-001-R3

Manufacturer:	Daikin North America, LLC	UUT 39
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RWEQ96TATJU	
Serial Number:		1700004

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Daikin Heat Exchanger 5018937, Scroll Compressor Dakikin 5018933, Daikin Fan Motor 5019722

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back		Side-Side		Vertical		
439	22.2	30.2	38.6	10.25		8.80		20.52		
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



Rigid base mounted with (4) 5/8" Grade 5 bolts

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 40
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXTQ09TAVJU	
Serial Number:		1702209059

Product Construction Summary:
Carbon steel cabinet mounted to plenum box.

Options/Subcomponent Summary:
1/2 Hp Fan Motor, electric expansion valve-Daikin 3S500048-1, Daikin Heat Exchanger 0270A01156

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back		Side-Side		Vertical		
94.5	21.0	17.5	45.0	10.68		10.65		11.1		
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



UUT#40 was mounted on plenum boxes. The plenum box was constructed of 10-gauge carbon steel. UUT#40's plenum box dimensions are as follows: 21.25" x 18.5" x 25.12" with a weight 80.5 lbs. UUT #40 was secured to the plenum box with (5) #10 -16 x 1-1/2" screws on both the right and left side at the junction of the AHU and plenum box. The AHU/plenum box was secured to the shake table with steel angles. Two L2.5x2x3/16 LLV, each side w/ (2) #10-16 x 1-1/2" screws w/ integral washer through slotted hole to unit and 3/8" Grade 5 bolt w/ washer and lock washer to table.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 41
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXTQ60TAVJU	
Serial Number:		1710220821

Product Construction Summary:

Carbon steel cabinet mounted to plenum box.

Options/Subcomponent Summary:

1 Hp Fan Motor, electric expansion valve-Daikin 3S500054-1, Daikin Heat Exchanger 0270A01206

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back		Side-Side		Vertical		
147	21.0	24.5	58.0	8.83		12.45		27.63		
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



UUT #41 was mounted on plenum boxes. The plenum box was constructed of 10-gauge carbon steel. UUT#41's plenum box dimensions are as follows: 21.25" x 25.5" x 25.12" with a weight 98.0 lbs. UUT #41 was secured to their respective plenum boxes with (5) #10 -16 x 1-1/2" screws on both the right and left side at the junction of the AHU and plenum box. The AHU/plenum box was secured to the shake table with steel angles. Two L2.5x2x3/16 LLV, each side w/ (2) #10-16 x 1-1/2" screws w/ integral washer through slotted hole to unit and 3/8" Grade 5 bolt w/ washer and lock washer to table. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 42
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXUQ36PVJU	
Serial Number:		C000618

Product Construction Summary:

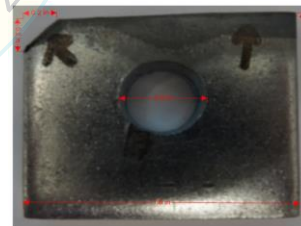
Plastic and carbon steel cabinet with seismic upgrades: Heavy duty square washers (1.6" x 1.3 x 0.2") were used at top and bottom of mounting bracket. S-Shape hooks on four (4) internal wires, used to secure outer cover attachment to unit, were crimped closed to secure cover to unit.

Options/Subcomponent Summary:

Heat Exchanger: 7mm x 0.3mm coil, Daikin 2110756
Fan Motor: QTS48D11M Turbo Fan 106W, 208-230V, Panasonic

UUT Properties									
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)					
	Depth	Width	Height	Front-Back	Side-Side	Vertical			
60.5	37.4	37.4	7.8	N/A	N/A	N/A			
UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria		S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156		2.0	1.0	1.5	3.2	2.4	1.67	0.67
			2.5	0.0					

Test Mounting Details:



Ceiling mounted w/ (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & (8) 3/32" Ø diag. cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 45
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	RWQEQ144TAYDU	
Serial Number:		1800331

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Scroll Compressor (Daikin) PN: JT16KADWYDN@S, Heat Exchanger (Daikin) PN: 5018937

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back	Side-Side	Vertical				
450.5	22.1	30.1	38.6	7.36	9.40	27.37				
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016		ICC-ES AC156 (2015)		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



Base mounted with four (4) 5/8" Grade 8 bolts with lock and flat washer.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 46
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	FXSQ07TAVJU	
Serial Number:		E000654

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

Heat Exchanger (Daikin) PN: 2397793, Expansion Valve (Daikin) PN: 4015738, Fan Assembly (Sirocco) PN: 2397818, Fan Motor (Panasonic) PN: 4015745

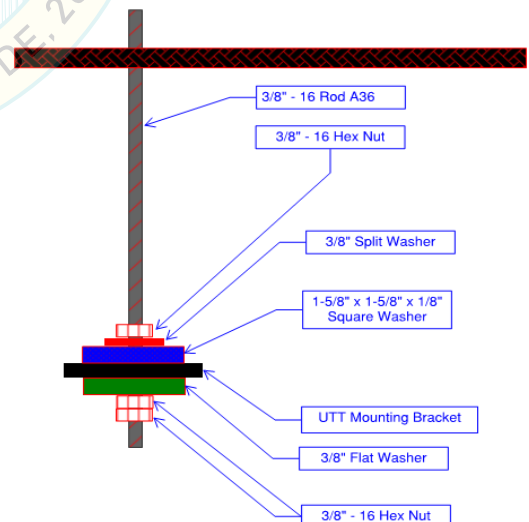
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
51	31.5	21.7	9.7	N/A	N/A	N/a

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



Ceiling mounted w/ (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & (8) 3/32" Ø diag. cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Six (6) #12 - 3/4" self tapping screw were added to each mounting ear. See next page for details.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC
Model Line: Split System, Quaternity, SkyAir, VRV-S, VRV
Model Number: FXSQ07TAVJU

Serial Number: E000654

UUT 46

Modification Details:



UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 47
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	FXSQ54TAVJU	
Serial Number:		E000181

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

Heat Exchanger (Daikin) PN: 2397933, Expansion Valve (Daikin) PN: 2371955, Fan Assembly (Sirocco) PN: 2P394978-1, Fan Motor (Panasonic) PN: 4016361

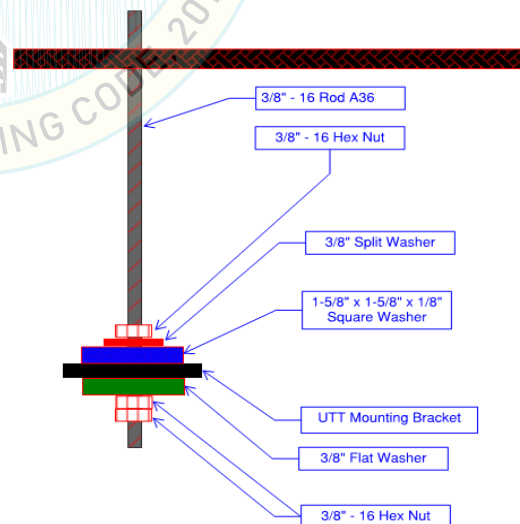
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
110.5	31.5	61.0	9.7	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.0	1.0	1.5	3.2	2.4	1.67	0.67
		2.5	0.0					

Test Mounting Details:



Ceiling mounted w/ four (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & eight (8) 3/32" Ø diag. cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Six (6) #12 - 3/4" self tapping screw were added to each mounting ear. One additional #12- 3/4" self tapping screw was added to the ebox. See next page for details.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3

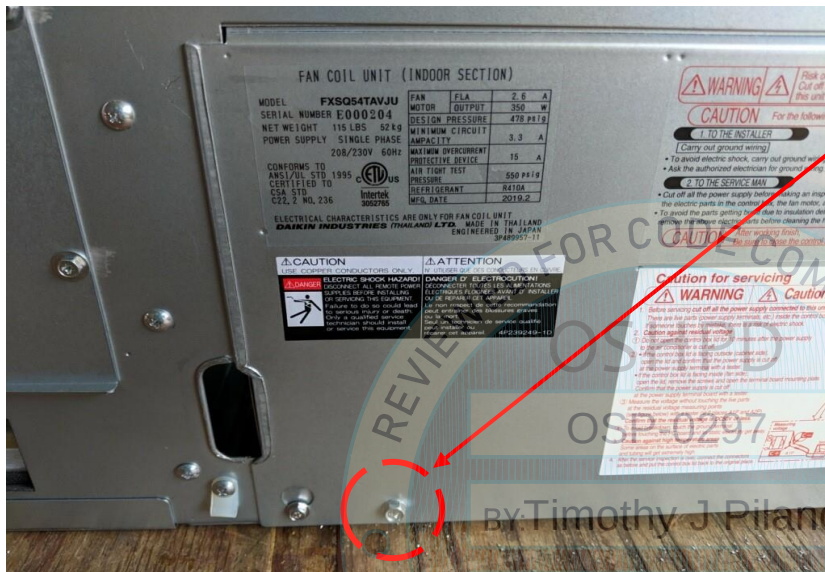


Manufacturer: Daikin North America, LLC
Model Line: Split System, Quaternity, SkyAir, VRV-S, VRV
Model Number: FXSQ54TAVJU

Serial Number: E000181

UUT 47

Modification Details:



Single #12-3/4" self tapping screw added to Ebox.



Six (6) #12-3/4" self tapping screws added to the four (4) mounting ears on the unit.

DATE: 11/24/2020

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



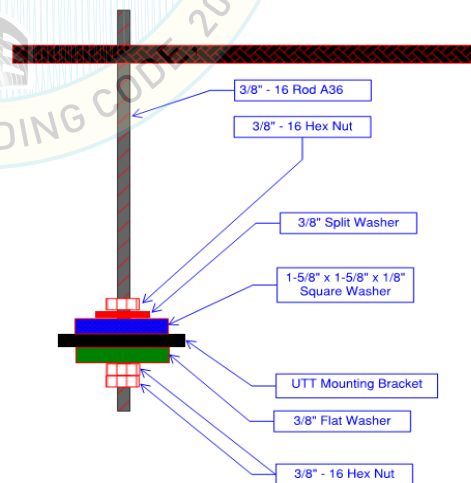
Manufacturer:	Daikin North America, LLC	UUT 48
Model Line:	Split System, Quaternary, SkyAir, VRV-S, VRV	
Model Number:	FXZW09TAVJU	
Serial Number:		J002344

Product Construction Summary:
Carbon steel enclosure, plastic decorativ panel

Options/Subcomponent Summary:
Heat Exchanger (Daikin) PN: 5011000, Expansion Valve (Daikin) PN: 2108342, Turbo Fan Rotor (Sirocco) PN: 5011010, Fan Motor (Panasonic) PN: 5011038

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back		Side-Side		Vertical		
41.5	21.6	21.6	10.3	N/A		N/A		N/A		
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016		ICC-ES AC156 (2015)		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



Ceiling mounted w/ four (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & eight (8) 3/32" Ø diag. cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Six (6) #12 - 3/4" self tapping screw were added to each mounting ear. One additional #12- 3/4" self tapping screw was added to the Ebox. See next page for details.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3

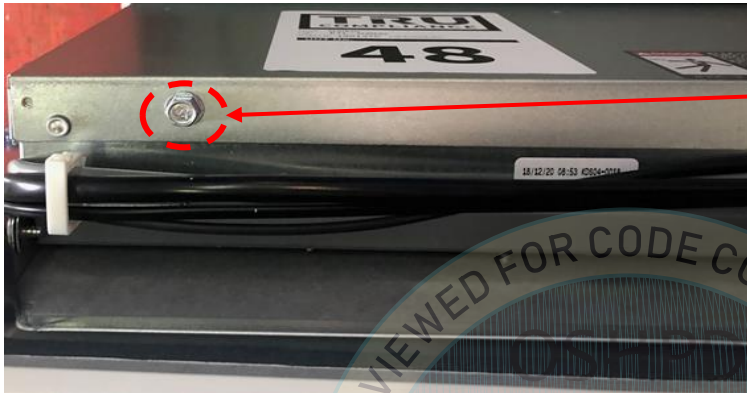


Manufacturer: Daikin North America, LLC
Model Line: Split System, Quaternity, SkyAir, VRV-S, VRV
Model Number: FXZW09TAVJU

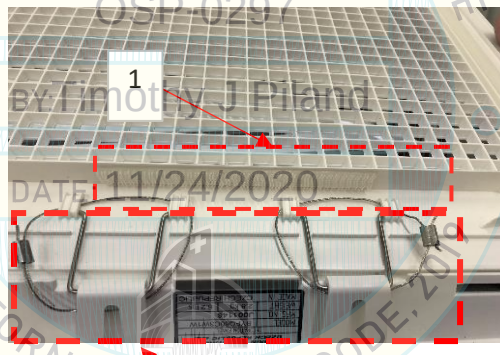
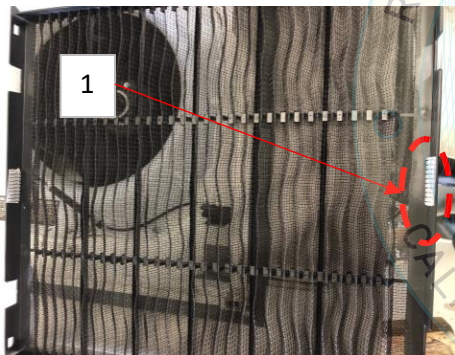
Serial Number: J002344

UUT 48

Modification Details:



Single #12-3/4" self tapping screw added to Ebox



1. 3M Dual Lock Velcro used to secure filter.
2. Stainless steel hanging wire, 50lb, and 1/16" ferrule used to secure each hinge.

#18-1" sheet metal screw added to outside of filter door



UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



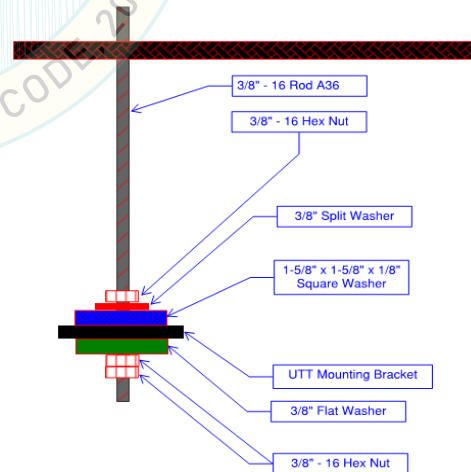
Manufacturer:	Daikin North America, LLC	UUT 49
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	FXAQ18TAVJU	
Serial Number:		J002138

Product Construction Summary:
Carbon steel enclosure, plastic decorative panel

Options/Subcomponent Summary:
Heat Exchanger (Daikin) PN: 5011003, Expansion Valve (Daikin) PN: 2110073, Turbo Fan Rotor (Sirocco) PN: 5011010, Fan Motor (Panasonic) PN: 5011038

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back	Side-Side	Vertical				
46	21.6	21.6	10.3	N/A	N/A	N/A				
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016		ICC-ES AC156 (2015)		2.0	1.0	1.5	3.2	2.4	1.67	0.67
				2.5	0.0					

Test Mounting Details:



Ceiling mounted w/ four (4) 3/8"Ø A36 hanger rods w/ rod stiffeners & eight (8) 3/32" Ø diag. cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Six (6) #12 - 3/4" self tapping screw were added to each mounting ear. One additional #12- 3/4" self tapping screw was added to the ebox. See next page for details.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer: Daikin North America, LLC
Model Line: Split System, Quaternary, SkyAir, VRV-S, VRV
Model Number: FXAQ18TAVJU

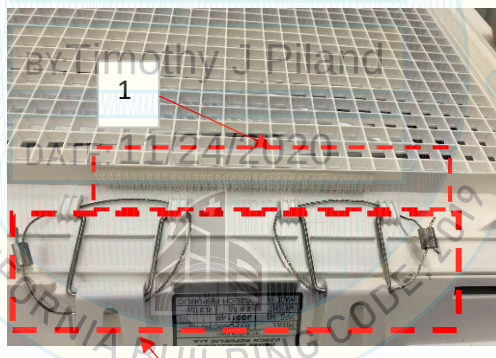
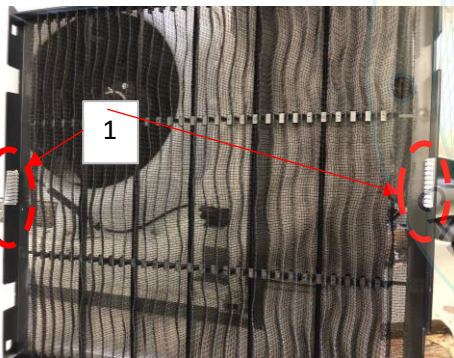
Serial Number: J002138

UUT 49

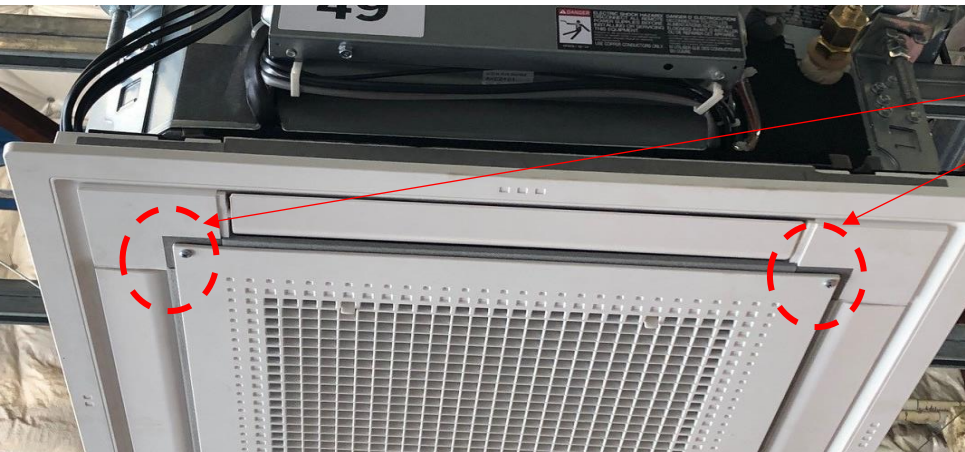
Modification Details:



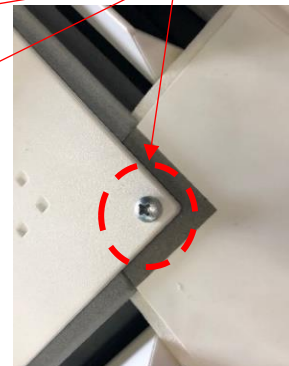
Single #12-3/4" self tapping screw added to Ebox



1. 3M Dual Lock Velcro used to secure filter.
2. Stainless steel hanging wire, 50lb, and 1/16" ferrule used to secure each hinge.



#18-1" sheet metal screw added to outside of filter door



UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 50
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ72XATJU	
Serial Number:		999999999-2

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Vapor Injection Scroll Compressor (Daikin) PN: JT160KADWTJ@T, Heat Exchanger (Daikin) PN: 3P341763-2, Heat Exchanger Plate HX (Daikin) PN: 3P412977-1, Fan Motor (Daikin) PN: 2P360713-3

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
714	30.2	48.9	66.7	3.43	7.22	14.10

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



1/2" -13 Grade 8 Bolt



Three #12 3/4" Self Tapping Screws

Base mounted with four (4) 1/2-13 Grade 8 bolts with lock and flat washer. Three (3) #12 3/4" self tapping screws were added at each foot.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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UNIT UNDER TEST (UUT) SUMMARY SHEET

1801376-CR-001-R3



Manufacturer:	Daikin North America, LLC	UUT 51
Model Line:	Split System, Quaternity, SkyAir, VRV-S, VRV	
Model Number:	REYQ168XATDU	
Serial Number:		999999999-2

Product Construction Summary:

Carbon steel cabinet

Options/Subcomponent Summary:

Vapor Injection Scroll Compressor (Daikin) PN: JT25KADWYDN@S, Heat Exchanger (Daikin) PN: 3P341763-2, Heat Exchanger Plate HX (Daikin) PN: 39412975-1, Fan Motor (Daikin) PN: 2P343735-1

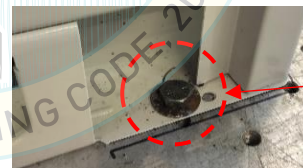
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
785	30.2	48.9	66.7	3.48	5.71	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC156 (2015)	2.0 2.5	1.0 0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:



1/2" -13 Grade 8 Bolt



Three #12 3/4" Self Tapping Screws

Base mounted with four (4) 1/2-13 Grade 8 bolts with lock and flat washer. Three (3) #12 3/4" self tapping screws were added at each foot.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

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