



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

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0537

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Mitsubishi Electric US

Manufacturer's Technical Representative: Jeremy Tidd

Mailing Address: 1240 Satellite Blvd., Suwanee, GA 30024

Telephone: (770) 685-7387 Email: jtidd@hvac.mea.com

Product Information

Product Name: Air Conditioning Units

Product Model Number(s): Varies, see product table

Product Category: Air Conditioning Units

Product Sub-Category: Air Conditioning Units - Split

General Description: HVAC equipment including outdoor units, indoor units, and system branch controllers.

Mounting Description: Several - See Certified Product Tables -

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

Applicant Information

Applicant Company Name: Pre Compliance

Contact Person: Katie Braman

Mailing Address: 36 Sw Wall St, Bend, OR 97702

Telephone: (541) 241-2310 Email: Katie@go-pre.com

Title: Principal & Program Manager

"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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

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

Company Name: PRE COMPLIANCE
 Name: Andrew Coughlin California License Number: S6082
 Mailing Address: 36 SW Wall Street, Bend, OR 97702
 Telephone: (415) 635-8461 Email: Andy@go-pre.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
 Contact Person: Jeremy Lange
 Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
 Telephone: (972) 247-9657 Email: jeremy@etldallas.com

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)
 Contact Person: Amarnath Kasalanati
 Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729
 Telephone: (510) 642-3437 Email: peer_center@berkeley.edu

Company Name: QUALTECH/CURTISS WRIGHT/TRENTEC
 Contact Person: Jerry Newberry
 Mailing Address: 4600 East Tech Drive, Cincinnati OH 45245
 Telephone: (513) 528-7900 Email: Jnewberry@curtisswright.com





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

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.5 (SDS = 2.0g @ z/h=1.0); 0.95 (SDS = 2.11g @ z/h =0)

SDS (Design spectral response acceleration at short period, g) = 2.00 at z/h = 1, 2.11 at z/h =0

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

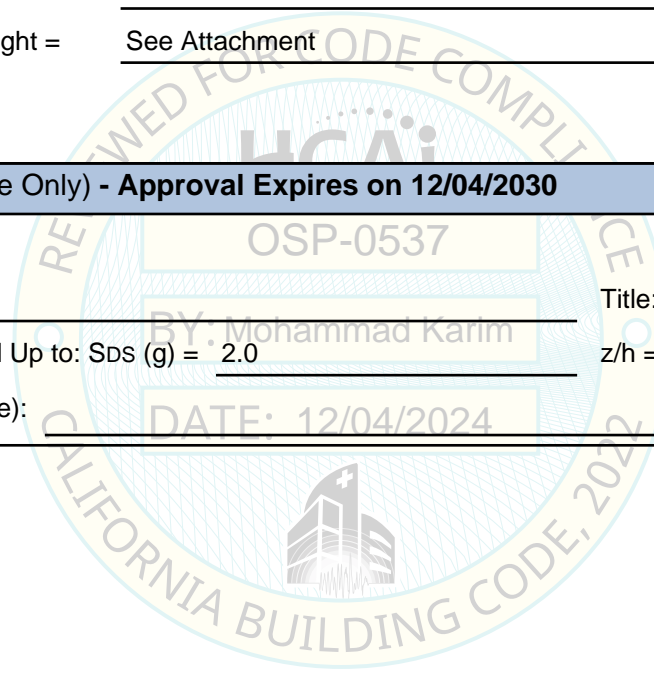
HCAI Approval (For Office Use Only) - Approval Expires on 12/04/2030

Date: 12/4/2024

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): DATE: 12/04/2024





SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes

CBC 2022

TABLE 1

Base Mounted-Rigid

Construction Summary

Carbon steel cabinet construction

Options Summary

PUZ and PUY: Single Phase, 60Hz, 208/230V; Heat pump or cooling only
 PUMY, TUMY, MXZ: Three Phase, 60Hz, 208/230V or 460V. Products ending in -BS(Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUZ Outdoor Heat Pump (P-Type) ^{1,2}	PUZ-A12NKA7	11.6	31.5	23.6	90		1
	PUZ-A12	11.6	31.5	23.6	90	TRUZA012 ASUZA012	Interp.
	PUZ-A18 ³	11.8	31.9	24.8	99	TRUZA018 ASUZA018	Interp.
	PUZ-A24 ³	13	37.4	37.1	151	TRUZA024 ASUZA024	Interp.
	PUZ-A30 ³	13	37.4	37.1	151	TRUZA030 ASUZA030	Interp.
	PUZ-A36 ³	13	37.4	53.2	258	TRUZA036 ASUZA036	Interp.
	PUZ-A36NKA7 ^{3,4}	13	37.4	53.2	258		2
	PUZ-A42 ^{3,4}	13	41.3	52.7	258	TRUZA042 ASUZA042	Extrap.

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.

²Alternate model number for American Standard branded product line. Unit is identical.

³Requires seismic enhancement: (1) additional 1/8" x 16.5" x 1" carbon steel flat bar attached to unit with (3) #12-3/4" screws and (1) #14 - 3/4" screw is to be attached above foot.

⁴PUZ-A36NKA7 and PUZ-A42NKA7 vary only in software.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 1 Base Mounted-Rigid

Construction Summary
 Carbon steel cabinet construction

Options Summary
 PUZ and PUY: Single Phase, 60Hz, 208/230V; Heat pump or cooling only
 PUMY, TUMY, MXZ: Three Phase, 60Hz, 208/230V or 460V. Products ending in -BS(Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUY ^{1,2,3} Outdoor Condensers, Cooling Only (P-Type)	PUY-A12	11.8	31.9	24.8	92	TRUYA012 ASUYA012	Interp.
	PUY-A18 ⁴	11.8	31.9	24.8	99	TRUYA018 ASUYA018	Interp.
	PUY-A24 ⁴	13	37.4	37.1	151	TRUYA024 ASUYA024	Interp.
	PUY-A30 ⁴	13	37.4	37.1	151	TRUYA030 ASUYA030	Interp.
	PUY-A36 ⁴	13	41.3	52.7	258	TRUYA036 ASUYA036	Interp.
	PUY-A42 ⁴	13	41.3	52.7	258	TRUYA042 ASUYA042	Interp.
PUMY/TUMY ^{1,5} City Multi S-Type Heat Pump Air Conditioners	PUMY-P36	13	37.4	52.7	269	TUMYP036	Extrap.
	PUMY-HP36	13	41.3	52.7	277	TUMYP036	Extrap.
	PUMY-P48	13	37.4	52.7	287	TUMYP048	Extrap.
	PUMY-HP48	13	41.3	52.7	277	TUMYP048	Extrap.
	PUMY-P48NKMU	13	37.4	52.7	287		6

Notes:
¹Alternate model number for Trane branded product line. Unit is identical.
²Alternate model number for American Standard branded product line. Unit is identical.
³PUY is a depopulated PUZ unit.
⁴Requires seismic enhancement: (1) additional 1/8" x 16.5" x 1" carbon steel flat bar attached to unit with (3) #12-3/4" screws and (1) #14 - 3/4" screw is to be attached above foot.
⁵PUMY-P####NKMU1 are same as PUMY-P####NKMU2/3 except for software.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 1 Base Mounted-Rigid

Construction Summary
 Carbon steel cabinet construction

Options Summary
 PUZ and PUY: Single Phase, 60Hz, 208/230V; Heat pump or cooling only
 PUMY, TUMY, MXZ: Three Phase, 60Hz, 208/230V or 460V. Products ending in -BS(Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUMY/TUMY ^{1,2,3} City Multi S-Type Heat Pump Air Conditioners	PUMY-HP36	13	41.3	52.7	277	TUMYH0361AK41NA Tested	42
	PUMY-HP48	13	41.3	52.7	277	TUMYH048 ⁴	Interp.
	PUMY-P60	13	37.4	53.2	306	TUMYP060	Interp.
	PUMY-P60NKMU1	13	37.4	53.2	306		5
MXZ ^{1,5,6} City Multi M-Type Heat Pump Air Conditioners	MXZ-SM36NAM-U1	13	37.4	52.7	269	NTXMSM36A142	Extrap.
	MXZ-SM36NAMHZ-U1	13	41.3	52.7	277	NTXMSH36A142	Extrap.
	MXZ-SM42NAMHZ-U1	13	41.3	52.7	277	NTXMSH42A152	Extrap.
	MXZ-SM48NAMHZ-U1	13	41.3	52.7	277	NTXMSH48A152	Extrap.
	MXZ-SM48NAM-U1	13	37.4	52.7	287	NTXMSM48A182	Extrap.
	MXZ-SM60NAM-U1	13	37.4	53.2	306	NTXMSM60A182	Extrap.
MXZ ^{1,7} City Multi TAM-Type Heat Pump Air Conditioners	MXZ-SM72TAM-U1	18	41	65.3	431	NTXMSM72	Extrap.
	MXZ-SM96TAM-U1	18	41	65.3	431	NTXMSM96	Extrap.
	MXZ-SM120TAM-U1	18	41	65.3	431	NTXMSM120	Extrap.
	MXZ-SM120TAM-U1	18	41	65.3	431		43

Notes:
¹Alternate model number for Trane branded product line. Unit is identical.
²PUMY-P####NKMU1 are same to PUMY-P####NKMU2/3 except for software.
³Requires seismic enhancement: (1) additional 1/8" x 16.5" x 1" carbon steel flat bar attached to unit with (3) #12-3/4" screws and (1) #14 - 3/4" screw is to be attached above foot.
⁴TUMYH0361AK41NA is same as interpolated TUMYH0481AK41NA except for software.
⁵PUMY-P####NKMU1 units are same as extrapolated MXZ-SM###NAM-U1 except for software.
⁶PUMY-HP###NKMU1/TUMYH0##1AK41NA are identical to extrapolated MXZ-SM###NAMHZ-U1.
⁷MXZ-SM120TAM is same as extrapolated MXZ-SM####TAM except for software.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

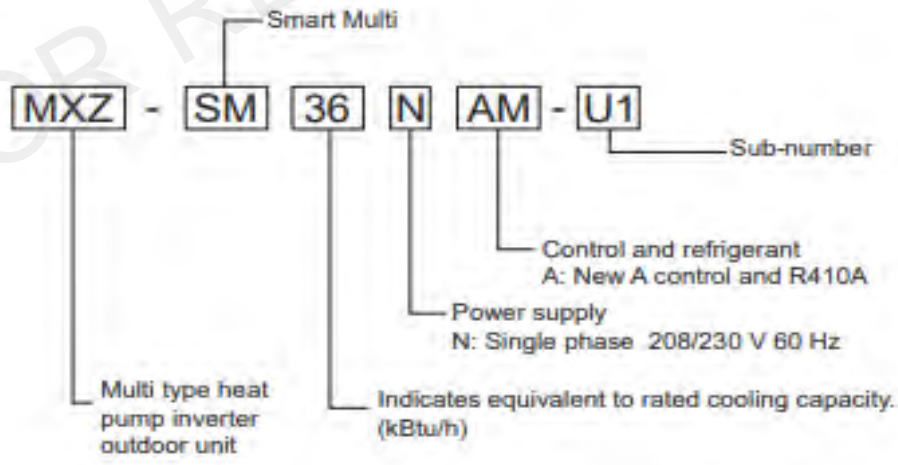
CBC 2022

TABLE 1 Nomenclature

FOR REFERENCE ONLY

P-Series ODU														
T	R	U	Z	A	0	1	2	1	L	A	8	0	N	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Brand Name	Configuration	Unit Type	Unit Type	Capacity (Btu/h)	Capacity (Btu/h)	Capacity (Btu/h)	Voltage	Chasis Generation	Controls	Generation Code	Futhure Use	Coil Coating	Minor Design	
P = Mitsubishi	U:Single Outdoor	Z:Heat Pump Y: Cooling Only	A: Standard H: Hyper heat	012: 12,000 018: 18,000 024: 24,000 030: 30,000 036: 36,000 042: 42,000			0:115V, 1ph 1: 208/230V, 1ph	K: Previous Generation H: Current Generation	A: A Control	7th Generation		N: Standard	A: 1st Gen	
TR = Trane										8th Generation		B: BS Salt Protection	B: 2nd Gen	
AS: American Standard														

DATE: 12/04/2024



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 1

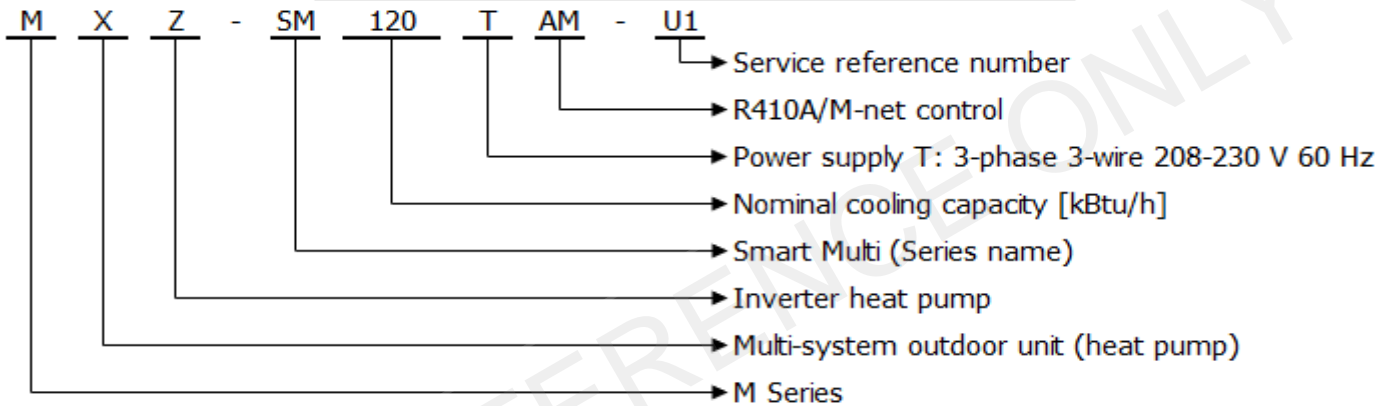
Nomenclature

FOR REFERENCE ONLY

MXZ City Multi TAM- Type Heat Pump Air Conditioners

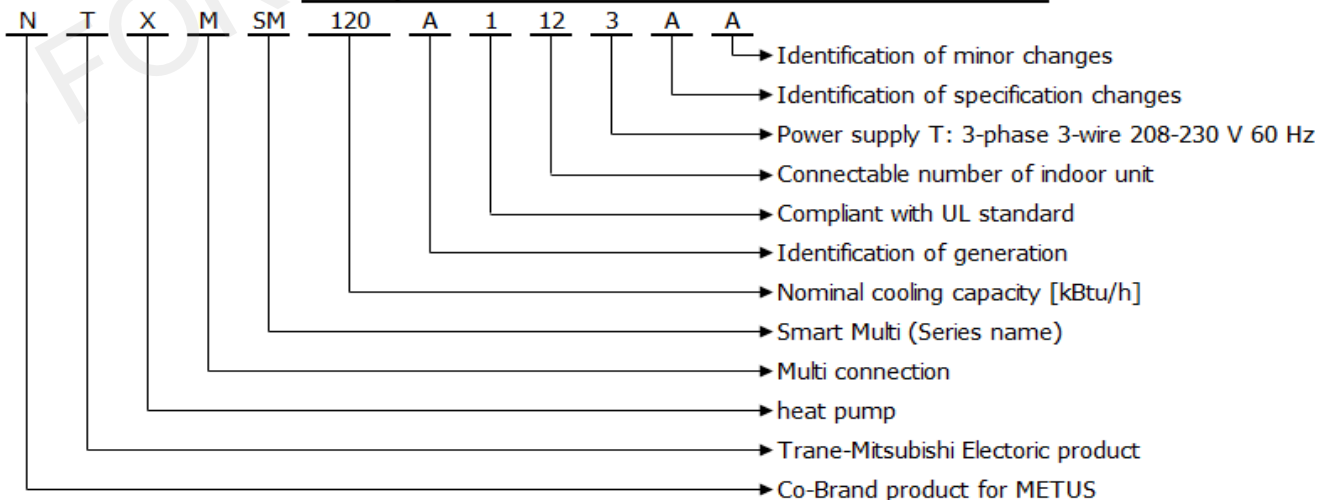
Detail of Model Name:

Mitsubishi Electric Model Nomenclature



Alternate model number for Trane branded product line. Unit is identical.

Trane/Mitsubishi Electric Model Nomenclature



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$

$I_p = 1.5$

Building Codes

CBC 2022

TABLE 1 Nomenclature

FOR REFERENCE ONLY

Model Name (City Multi Outdoor)

City Multi ODU

<u>T</u> 1	<u>U</u> 2	<u>R</u> 3	<u>Y</u> 4	<u>P</u> 5	<u>1</u> 6	<u>6</u> 7	<u>8</u> 8	<u>3</u> 9	<u>A</u> 10	<u>L</u> 11	<u>4</u> 12	<u>0</u> 13	<u>A</u> 14	<u>N</u> 15	
Digit #1	=	Brand Name							Digit #9	=	Voltage				
	T	= Trane								3	= 208V/3P/60hz				
Digit #2	=	Configuration								4	= 460V/3P/60hz				
	U	= Air Cooled								1	= 208v/1p/60hz				
	Q	= Water Cooled							Digit #10	=	Modules				
Digit #3	=	Unit Type								A	= Single				
	H	= Heat pump								B	= Double				
	R	= Heat Recovery								C	= Triple				
	M	= Single Phase HP							Digit #11	=	Generation Code				
Digit #4	=	Inverter Compressor								K	= 7th Generation				
	Y	= Inverter Compressor								L	= 8th Generation				
										N	= 9th Generation				
Digit #5	=	Performance							Digit #12	=	Refrigerant				
	P	= Standard Efficiency								4	= R410a				
	H	= Hyper Heat							Digit #13	=	Major Change				
	E	= High Efficiency								0	= 1st Gen				
Digit #6,7,8	=	Capacity (Btu/h)								1	= 2nd Gen				
	072	= 72,000								2	= 3rd Gen				
	120	= 120,000							Digit #14	=	Minor Change				
	144	= 144,000								A	= 1st Gen				
	168	= 168,000								B	= 2nd Gen				
	192	= 192,000							Digit #15	=	Coil Coating				
	216	= 216,000								N	= Standard no coating				
										B	= BS Salt Protection				





SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes

CBC 2022

TABLE 2

Base Mounted-Rigid

Construction Summary

Carbon steel cabinet construction

Options Summary

PQRY, PQHY, PURY, and PUHY: 208/230V Single Phase, 208/230V 3 Phase, and 460V 3 Phase Heat Pump and Heat Recovery
 Products ending in -BS (Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PQRY/PQHY ^{1,2} Outdoor Heat Recovery/Heat Pump	PQRY-P72TLMU-A	21.7	34.7	43.3	380	TQRYP0723AL41AN	29
	PQRY-P72	21.7	34.7	43.3	404	TQRYP072	Interp.
	PQHY-P72	21.7	34.7	43.3	408	TQHYP072	Interp.
	PQRY-P96	21.7	34.7	43.3	380	TQRYP096	Interp.
	PQHY-P96	21.7	34.7	43.3	408	TQHYP096	Interp.
	PQRY-P120	21.7	34.7	43.3	404	TQRYP120	Interp.
	PQHY-P120	21.7	34.7	43.3	408	TQHYP120	Interp.
	PQRY-P144	21.7	34.7	57.1	505	TQRYP144	Interp.
	PQHY-P144	21.7	34.7	57.1	508	TQHYP144	Interp.
	PQRY-P168	21.7	34.7	57.1	505	TQRYP168	Interp.
	PQHY-P168	21.7	34.7	57.1	508	TQHYP168	Interp.
	PQRY-P192	21.7	34.7	57.1	505	TQRYP192	Interp.
	PQHY-P192	21.7	34.7	57.1	508	TQHYP192	Interp.
	PQRY-P216	21.7	34.7	57.1	571	TQRYP216	Interp.
	PQHY-P216	21.7	34.7	57.1	574	TQHYP216	Interp.
	PQRY-P240	21.7	34.7	57.1	571	TQRYP240	Interp.
	PQHY-P240	21.7	34.7	57.1	574	TQHYP240	Interp.
	PQHY-P240YLMU-A	21.7	34.7	57.1	574	TQHYP2404AL41AN	30

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.

²PQRY/PQHY-P###TLMU-A are same as interpolated PQRY/PQHY-P###-A1 except for software.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 2 Base Mounted-Rigid

Construction Summary
 Carbon steel cabinet construction

Options Summary
 PQR, PQHY, PURY, and PUHY: 208/230V Single Phase, 208/230V 3 Phase, and 460V 3 Phase Heat Pump and Heat Recovery
 Products ending in -BS (Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUHY/PURY ¹ Outdoor Heat Recovery Heat Pump Air Source	PUHY-P72TLMU-A	29.2	36.3	65.0	435		31
	PUHY-P72	29.2	36.3	71.6	503	TUHYP072	Interp.
	PURY-P72	29.2	36.3	71.6	516	TURYP072	Interp.
	PURY-HP72	29.2	49.3	71.0	644	TURYH072	Interp.
	PURY-EP72	29.2	36.3	71.6	552	TURYE072	Interp.
	PUHY-HP72	29.2	49.3	71.0	644	TUHYH072	Interp.
	PUHY-EP72	29.2	36.3	71.6	545	TUHYE072	Interp.
	PUHY-P96	29.2	49.3	71.0	532	TUHYP096	Interp.
	PURY-P96	29.2	36.3	71.6	611	TURYP096	Interp.
	PURY-EP96	29.2	48.8	71.6	649	TURYE096	Interp.
	PURY-HP96	29.2	48.8	71.6	697	TURYH096	Interp.
	PUHY-HP96	29.2	49.3	71.6	688	TUHYH096	Interp.
	PUHY-EP96	29.2	48.8	71.6	657	TUHYH096	Interp.
	PUHY-P120	29.2	48.8	71.6	706	TUHYP120	Interp.
	PURY-P120	29.2	48.8	65.0	633	TURYP120	Interp.
	PURY-EP120	29.2	49.9	71.6	657	TURYE120	Interp.
	PUHY-EP120	29.2	49.3	71.6	668	TUHYE120	Interp.
	PURY-HP120	29.2	49.3	71.6	697	TURYH120	Interp.
	PUHY-HP120	29.2	48.8	71.6	691	TUHYH120	Interp.
	PUHY-P144	29.2	72.5	65.0	706	TUHYP144	Interp.
PUHY-P144 ²	29.2	48.8	65.0	870	TUHYP144	Interp.	
PURY-P144	29.2	98.6	71.6	682	TURYP144	Interp.	
PURY-HP144 ²	29.2	48.9	72.6	1,228	TURYH144	Interp.	

Notes:
¹Alternate model number for Trane branded product lines. Unit is identical.
²Nominal capacity can be achieved by using a single module or multiple modules of smaller capacity. Unit shows option for multiple modules inline to achieve identical nominal capacity.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 2

Base Mounted-Rigid

Construction Summary

Carbon steel cabinet construction

Options Summary

PQRY, PQHY, PURY, and PUHY: 208/230V Single Phase, 208/230V 3 Phase, and 460V 3 Phase Heat Pump and Heat Recovery
 Products ending in -BS (Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUHY/PURY ¹ Outdoor Heat Recovery Heat Pump Air Source	PURY-EP144	29.2	48.9	73.6	715	TURYE144	Interp.
	PUHY-HP144	29.2	48.9	74.6	715	TUHYH144	Interp.
	PUHY-EP144	29.2	48.9	75.6	715	TUHYE144	Interp.
	PUHY-P168	29.2	68.9	65.0	743	TUHYP168	Interp.
	PURY-P168YLMU-A	29.2	65.0	68.9	702		32
	PURY-P168	29.2	68.9	71.6	774	TURYP168	Interp.
	PURY-EP168	29.2	68.9	71.6	807	TURYE168	Interp.
	PUHY-EP168TNU-A	29.2	68.9	71.6	741		33
	PUHY-P192 ²	29.2	105.1	65.0	1,174	TUHYP192	Interp.
	PURY-P192 ²	29.2	97.8	71.6	1,222	TURYP192	Interp.
	PUHY-HP192	29.2	68.9	71.6	745	TUHYH192	Interp.
	PUHY-HP192 ²	29.2	98.6	71.6	1,376	TUHYH192	Interp.
	PURY-HP192	29.2	68.9	71.6	745	TURYH192	Interp.
	PURY-EP192	29.2	68.9	72.6	873	TURYE192	Interp.
	PURY-EP192 ²	29.2	97.8	73.6	1,298	TURYE192	Interp.
	PUHY-EP192	29.2	68.9	74.6	745	TUHYE192	Interp.
	PUHY-EP192TNU-A	29.2	68.9	75.6	745		34
	PUHY-EP192 ²	29.2	97.8	76.6	1,314	TUHYE192	Interp.
	PUHY-P216 ²	29.2	117	65.0	1,238	TUHYP216	Interp.
	PURY-P216 ²	29.2	97.8	71.6	1,244	TURYP216	Interp.
PUHY-EP216	29.2	68.9	71.6	904	TUHYE216	Interp.	
PUHY-EP216 ²	29.2	97.8	71.6	1,325	TUHYE216	Interp.	
PURY-EP216	29.2	68.9	71.6	873	TURYE216	Interp.	

Notes:

¹Alternate model number for Trane branded product lines. Unit is identical.

²Nominal capacity can be achieved by using a single module or multiple modules of smaller capacity. Unit shows option for multiple modules inline to achieve identical nominal capacity.



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes

CBC 2022

TABLE 2

Base Mounted-Rigid

Construction Summary

Carbon steel cabinet construction

Options Summary

PQRY, PQHY, PURY, and PUHY: 208/230V Single Phase, 208/230V 3 Phase, and 460V 3 Phase Heat Pump and Heat Recovery
 Products ending in -BS (Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUHY/PURY ¹ Outdoor Heat Recovery Heat Pump Air Source	PURY-EP216	29.2	97.8	71.6	1,306	TURYE216	Interp.
	PUHY-P240 ²	29.2	137.8	65.0	1,412	TUHYP240	Interp.
	PURY-P240 ²	29.2	97.8	71.6	1,266	TURYP240	Interp.
	PUHY-HP240 ²	29.2	98.6	71.6	1,382	TUHYH240	Interp.
	PURY-HP240 ²	29.2	98.6	71.6	1,394	TURYH240	Interp.
	PUHY-EP240	29.2	68.9	71.6	904	TUHYE240	Interp.
	PUHY-EP240 ²	29.2	97.8	71.6	1,336	TUHYE240	Interp.
	PURY-EP240	29.2	68.9	71.6	873	TURYE240	Interp.
	PURY-EP240TNU-A	29.2	68.9	71.6	873		38
	PURY-EP240 ²	29.2	97.8	71.6	1,314	TURYE240	Interp.
	PUHY-EP240YNU-A	29.2	68.9	71.6	887		39
	PUHY-P264 ²	29.2	141.1	65.0	1,642	TUHYP264	Interp.
	PURY-P264 ²	29.2	97.8	71.6	1,315	TURYP264	Interp.
	PUHY-EP264 ²	29.2	134	71.6	1,859	TUHYE264	Interp.
	PURY-EP264 ²	29.2	97.8	71.6	1,372	TURYE264	Interp.
	PUHY-P288 ²	29.2	153.3	71.6	1,706	TUHYP288	Interp.
	PURY-P288 ²	29.2	97.8	71.6	1,364	TURYP288	Interp.
	PUHY-EP288 ²	29.2	134	71.6	1,870	TUHYE288	Interp.
	PURY-EP288 ²	29.2	97.8	71.6	1,430	TURYE288	Interp.
	PUHY-P312 ²	29.2	174	65.0	1,880	TUHYP312	Interp.
PURY-P312 ²	29.2	117.7	71.6	1,456	TURYP312	Interp.	
PUHY-EP312 ²	29.2	134	71.6	1,881	TUHYE312	Interp.	
PURY-EP312 ²	29.2	117.7	71.6	1,522	TURYE312	Interp.	

Notes:

¹Alternate model number for Trane branded product lines. Unit is identical.

²Nominal capacity can be achieved by using a single module or multiple modules of smaller capacity. Unit shows option for multiple modules inline to achieve identical nominal capacity.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
$S_{DS} = 2.00$ for $z/h=1$
$S_{DS} = 2.11$ for $z/h=0$

Building Codes
$I_p = 1.5$
CBC 2022

TABLE 2 Base Mounted-Rigid

Construction Summary
Carbon steel cabinet construction

Options Summary
 PQRY, PQHY, PURY, and PUHY: 208/230V Single Phase, 208/230V 3 Phase, and 460V 3 Phase Heat Pump and Heat Recovery
 Products ending in -BS (Mitsubishi) & -AB(Trane) are not included in tables, but are acceptable for installations as additional letter denotes corrosion resistant coating on coils which does not affect the mass of the unit.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PUHY/PURY ¹ Outdoor Heat Recovery Heat Pump Air Source	PUHY-P336 ²	29.2	174	65.0	1,899	TUHYP336	Interp.
	PURY-P336 ²	29.2	137.8	71.6	1,548	TURYP336	Interp.
	PUHY-EP336 ²	29.2	146.6	71.6	1,993	TUHYE336	Interp.
	PURY-EP336 ²	29.2	137.8	71.6	1,614	TURYE336	Interp.
	PUHY-EP360 ²	29.2	146.6	71.6	2,004	TUHYE360	Interp.
	PUHY-P360 ²	29.2	206.7	71.6	2,118	TUHYP360	Interp.
	PUHY-EP360 ²	29.2	146.6	71.6	2,004	TUHYE360	Interp.
	PUHY-P360 ²	29.2	206.7	71.6	2,118	TUHYP360	Interp.
	PUHY-EP384 ²	29.2	146.6	71.6	2,051	TUHYE384	Interp.
	PURY-EP384 ²	29.2	137.8	71.6	1,746	TURYE384	Interp.
	PUHY-EP408 ²	29.2	146.6	71.6	2,098	TUHYE408	Interp.
	PUHY-P408 ²	29.2	146.6	71.6	2,098	TUHYP408	Interp.
	PUHY-P432 ²	29.2	146.6	71.6	2,145	TUHYP432	Interp.
	PUHY-EP432 ²	29.2	146.6	71.6	2,145	TUHYE432	Interp.
PURY-EP432 ²	29.2	137.8	71.6	1,746	TURYE432	Interp.	
QAHV ¹ Hot Water Heat Pump	QAHV-N136TAU-HPB-BS	48.1	29.9	70	890		44
	QAHV-N136	48.1	29.9	70	931	TQAHV-N136	Interp.
	QAHV-N136YAU-HPB-BS	48.1	29.9	70	931		45

Notes:
¹Alternate model number for Trane branded product lines. Unit is identical.
²Nominal capacity can be achieved by using a single module or multiple modules of smaller capacity. Unit shows option for multiple modules inline to achieve identical nominal capacity.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes

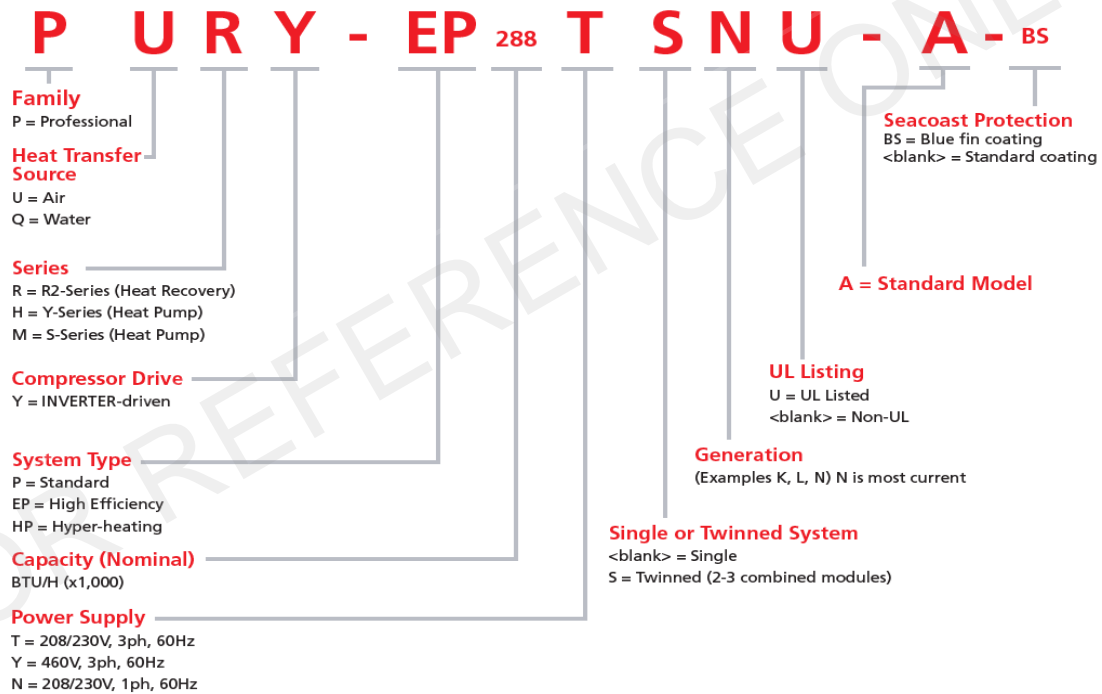
CBC 2022

TABLE 2

Nomenclature

FOR REFERENCE ONLY

CITY MULTI® Outdoor Unit Model Number Reference Guide



Note: A to A1 designates tuning to meet AHRI 12-30-21 for capacity of EP72-EP168, units are identical.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes

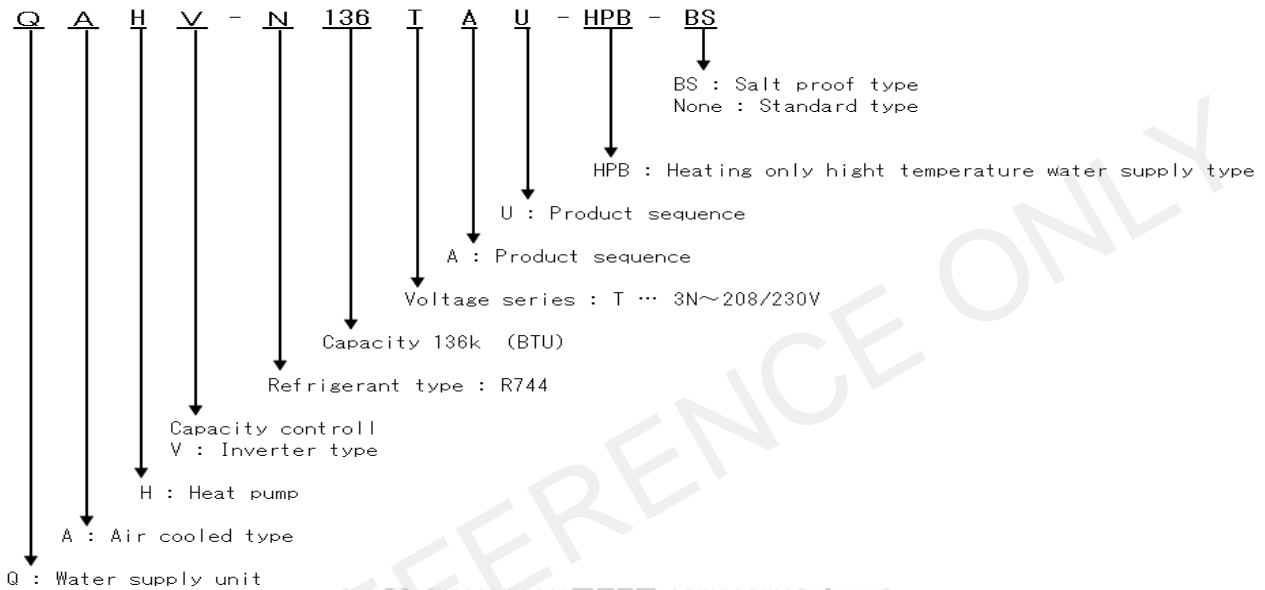
CBC 2022

TABLE 2

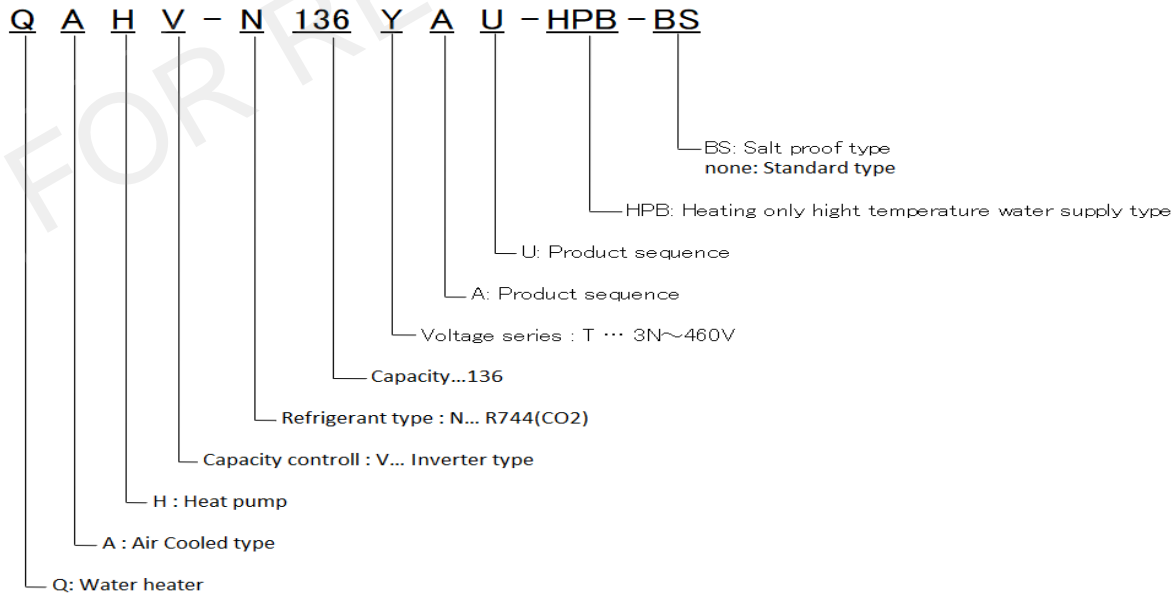
Nomenclature

FOR REFERENCE ONLY

1. Explanation of model name
 [Detail of model name]



2. Model Name



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3 Ceiling suspended/mounted -rigid

Construction Summary
Carbon steel casing

Options Summary
PAC-SJ42TM-E multifunction casement accessory, certified for PLFY and PLA units

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PEAD Horizontal Ducted ^{1,2}	PEAD-A09	29	39.4	9	58	TPEADA009	Extrap.
	PEAD-A12	29	39.4	9	58	TPEADA012	Extrap.
	PEAD-A12AA7	29	39.4	9	58		3
	PEAD-A15					TPEADA015	Interp.
	PEAD-A18	28.9	28.9	9.9	62	TPEADA018	Interp.
	PEAD-A24	28.9	28.9	9.9	73	TPEADA024	Interp.
	PEAD-A30	28.9	28.9	9.9	73	TPEADA030	Interp.
	PEAD-A36	28.9	28.9	9.9	91	TPEADA036	Interp.
	PEAD-A42A	29	59	14	91	TPEADA042	Interp.
	PEAD-A42AA7	29	59	14	91		4
PMFY Indoor Ceiling Cassette 1-Way ²	PMFY-P06NBMU-E	32.0	15.6	9.2	38		15
	PMFY-P06	32.0	15.6	9.2	38	TPMFY-P06	Interp.
	PMFY-P08	32.0	15.6	9.2	38	TPMFY-P08	Interp.
	PMFY-P12	32.0	15.6	9.2	38	TPMFY-P12	Interp.
	PMFY-P15	32.0	15.6	9.2	38	TPMFY-P15	Interp.
	PMFY-P15NBMU-E	32.0	15.6	9.2	38		16
PLFY Indoor Ceiling Cassette 4-Way ²	PLFY-P05	22.4	22.4	8.2	42	TPLFY-P05	Extrap.
	PLFY-EP06	33.1	33.1	10.2	46	TPLFY-EP06E	Extrap.
	PLFY-P08	22.4	22.4	8.2	42	TPLFY-P08F	Extrap.
	PLFY-EP08	33.1	33.1	10.2	46	TPLFY-EP08E	Extrap.
	PLFY-P12NBMU-E	33.1	33.1	10.2	49		17
	PLFY-P12NFMU-E	22.4	22.4	8.2	76	UUT: Tested with PAC-SJ41TM-E accessory	12
	PLFY-P12	33.1	33.1	10.2	46	TPLFY-P12F	Interp.

Notes:

¹Requires seismic enhancements: (4) #12 self-tapping screws, (1) #14 self-tapping screw, and (1) additional washer in each mounting bracket.

²Alternate model number for American Standard branded product line. Unit is identical.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3 Ceiling suspended/mounted -rigid

Construction Summary
Carbon steel casing

Options Summary
PAC-SJ42TM-E multifunction casement accessory, certified for PLFY and PLA units

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PLFY Indoor Ceiling Cassette 4-Way ^{1,2}	PLFY-EP12	33.1	33.1	10.2	46	TPLFY012E	Interp.
	PLFY-P15	22.4	22.4	8.2	42	TPLFY015F	Interp.
	PLFY-EP15	33.1	33.1	10.2	46	TPLFY015E	Interp.
	PLFY-P18	22.4	22.4	8.2	42	TPLFY018F	Interp.
	PLFY-EP18	33.1	33.1	10.2	46	TPLFY018E	Interp.
	PLFY-P24	22.4	22.4	8.2	46		Interp.
	PLFY-EP24	33.1	33.1	11.8	55	TPLFY024E	Interp.
	PLFY-P30	22.4	22.4	8.2	51		Interp.
	PLFY-EP30	33.1	33.1	11.8	55	TPLFY030E	Interp.
	PLFY-P36	22.4	22.4	8.2	51		Interp.
	PLFY-EP36	33.1	33.1	11.8	55	TPLFY036E	Interp.
	PLFY-EP48	22.4	22.4	8.2	55	TPLFY048E	Interp.
	PLFY-P48	33.1	33.1	11.8	55		Interp.
	PLFY-P48NEMU-E	33.1	33.1	11.8	55		18
PLA Indoor Ceiling Cassette 4-Way ^{1,2,3}	PLA-A12	33.1	33.1	10.2	49	TPLA0A012	Interp.
						APLA0A012	
	PLA-A18	33.1	33.1	10.2	49	TPLA0A018	Interp.
						APLA0A018	
	PLA-A24	33.1	33.1	10.2	51	TPLA0A024	Interp.
						APLA0A024	
	PLA-A30	33.1	33.1	10.2	51	TPLA0A030	Interp.
						APLA0A030	
	PLA-A36	33.1	33.1	11.8	55	TPLA0A036	Interp.
						APLA0A036	

Notes:

- ¹Alternate model number for Trane branded product line. Unit is identical.
- ²Alternate model number for American Standard branded product line. Unit is identical.
- ³PLFY equivalent to interpolated PLA except for software and branding.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3

Ceiling suspended/mounted -rigid

Construction Summary

Carbon steel casing

Options Summary

PAC-SJ42TM-E multifunction casement accessory, certified for PLFY and PLA units

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PLA Indoor Ceiling Cassette 4-Way ^{1,2}	PLA-A42	33.1	33.1	11.8	55	TPLA0A042 APLA0A042	Interp.
	PLA-A42BA	33.1	33.1	11.8	55		19
PEFY Indoor Ceiling Concealed ¹	PEFY-P06NMSU-E	27.6	31.1	7.9	42		20
	PEFY-P06	28.9	27.6	9.9	49	TPEFY-P06	Interp.
	PEFY-P08	28.9	27.6	9.9	49	TPEFY-P08	Interp.
	PEFY-P12	28.9	27.6	9.9	49	TPEFY-P12	Interp.
	PEFY-P15	35.4	29.2	15.0	98	TPEFY-P15	Interp.
	PEFY-P18	35.4	29.2	15.0	100	TPEFY-P18	Interp.
	PEFY-P24	35.4	29.2	15.0	100	TPEFY-P24	Interp.
	PEFY-P27	35.4	39.4	15.0	111	TPEFY-P27	Interp.
	PEFY-P30	35.4	39.4	15.0	111	TPEFY-P30	Interp.
	PEFY-P36	35.4	47.3	15.0	155	TPEFY-P36	Interp.
	PEFY-P48	35.4	47.3	15.0	155	TPEFY-P48	Interp.
	PEFY-P54	35.4	47.3	15.0	155	TPEFY-P54	Interp.
	PEFY-P72	44.1	49.2	18.6	214	TPEFY-P72	Interp.
	PEFY-P96	44.1	49.2	18.6	221	TPEFY-P96	Interp.
	PEFY-P96NMHU-E	44.1	49.2	18.6	221		21
	PEFY-AF-120	55.1	49.3	18.6	309	TPEFY-P120	Interp.
PEFY-AF1200CFMR	55.1	49.3	18.6	309		22	
PEFY-WL Indoor Concealed ¹	PEFY-WL06NMAU-A	28.8	27.6	9.8	48		48
	PEFY-WL06NMAU-A	28.8	27.6	9.8	48	TPEFY-W006	Interp.
	PEFY-WL08	28.8	31.5	9.8	48	TPEFY-W008	Interp.
	PEFY-WL12	28.8	31.5	9.8	48	TPEFY-W012	Interp.

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.

²Alternate model number for American Standard branded product line. Unit is identical.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3 **Ceiling suspended/mounted -rigid**

Construction Summary
Carbon steel casing

Options Summary
PAC-SJ42TM-E multifunction casement accessory, certified for PLFY and PLA units

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PEFY-WL Indoor Concealed ¹	PEFY-WL15	28.8	35.6	9.8	55	TPEFYW015	Interp.
	PEFY-WL18	28.8	43.4	9.8	67	TPEFYW018	Interp.
	PEFY-WL24	28.8	43.4	9.8	67	TPEFYW024	Interp.
	PEFY-WL27	28.8	43.4	9.8	67	TPEFYW027	Interp.
	PEFY-WL30	28.8	43.4	9.8	67	TPEFYW030	Interp.
	PEFY-WL36	28.8	55.1	9.8	82	TPEFYW036	Interp.
	PEFY-WL48	28.8	63	9.8	96	TPEFYW048	Interp.
	PEFY-WL48NMAU-A	28.8	63	9.8	96		49
PVA/PV FY ^{1,2}	PV FY-P12AMU-E	50.3	17.0	21.6	117	Tested with heater accessory	
	PV FY-P12	50.3	17.0	21.6	113	TPV FY P012	Interp.
	PVA-A12	50.3	17.0	21.6	113	TPVA0A012 APVA0A012	Interp.
PVA/PV FY ^{1,2}	PV FY-P18	50.3	17.0	21.6	113	TPV FY P018	Interp.
	PVA-A18	50.3	17.0	21.6	113	TPVA0A018 APVA0A018	Interp.
	PV FY-P24	50.3	17.0	21.6	141	TPV FY P024	Interp.
	PVA-A24	54.3	21.0	21.6	141	TPVA0A024 APVA0A024	Interp.
	PV FY-P30	54.3	21.0	21.3	141	TPV FY P030	Interp.
	PVA-A30	54.3	21.0	21.6	141	TPVA0A030 APVA0A030	Interp.
	PV FY-P36	50.3	17.0	21.6	141	TPV FY P024	Interp.
	PVA-A36	54.3	21.0	21.6	172	TPVA0A024 APVA0A024	Interp.

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.

²Alternate model number for American Standard branded product line. Unit is identical.



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3

Ceiling suspended/mounted -rigid

Construction Summary

Carbon steel casing

Options Summary

PAC-SJ42TM-E multifunction casement accessory, certified for PLFY and PLA units

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PVA/PV FY ^{1,2}	PVA-A42	54.3	21.0	21.6	172	TPVA0A030 APVA0A030	Interp.
	PV FY-P48	59.5	25.0	21.6	172	TPV FY P048	Interp.
	PV FY-P48	59.5	25.0	21.6	172	TPV FY P048	Interp.
	PV FY-P54	59.5	25.0	21.6	172	TPV FY P048	Interp.
	PV FY-P54NAMU-E	59.5	25.0	21.6	227	Tested with heater accessory	24
PCA ^{1,2,3}	PCA-A24	27	47.5	9	71	TPCA0A024 APCA0A024	Extrap.
	PCA-A24KA7	27.0	47.5	9.0	71		9
	PCA-A30	27.0	50.4	9.0	71	TPCA0A030 APCA0A030	Interp.
	PCA-A36	27.0	63.0	9.1	79	TPCA0A036 APCA0A036	Interp.
PCA ^{1,2,3}	PCA-A42	27.0	63.0	9.1	88	TPCA0A042 APCA0A042	Interp.
	PCA-A42KA7	27.0	63.0	9.1	88		37

Notes:

- ¹Alternate model number for Trane branded product line. Unit is identical.
- ²Alternate model number for American Standard branded product line. Unit is identical.
- ³Requires seismic enhancement: (3) 1/4" x 3/4" hex head self tapping screws added to each mounting bracket.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
 $S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

TABLE 3

Nomenclature

FOR REFERENCE ONLY

T	R	U	Z	A		0	1	2	1	L	A	8	0	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Brand Name	Configuration	Indoor Description	Indoor Description	Indoor Description	Indoor Description	Capacity (Btu/h)	Capacity (Btu/h)	Capacity (Btu/h)	Voltage	Chasis Generation	Controls	Generation Code	Future Use	Minor Design
TR = Trane AS: American St	P: P Series	KA0A: Wall Mounted CA0A: Ceiling Suspended LA0A: Cassette VA0A: Vertical Ducted EADA: Horizontal Ducted				012: 12,000 018: 18,000 024: 24,000 030: 30,000 036: 36,000 042: 42,000			0: 115V, 1ph 1: 208/230V, 1ph	K: Previous Generation H: Current Generation	A: A Control	7th Generation 8th Generation	0 1	A: 1st Gen B: 2nd Gen

Model Name (City Multi Indoor)

City Multi IDU

I	P	K	E	Y	P	Q	Z	A	B	M	J	4	Q	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Digit #1	= Brand Name	T = Trane												
Digit #2	= Model Family	P = Packaged AC												
Digit #3	= Application	K = Wall Mounted L = Ceiling Recessed 4-way M = Ceiling Recessed 1-way C = Ceiling Suspended E = Ceiling Concealed Ducted F = Floor Standing V = Multi-position Air Handler W = Hydronic Heat Exchanger												
Digit #4,5,6	= Unit Type	FYP = Indoor Unit												
Digit #7,8,9	= Capacity (Btu/h)	006 = 6,000 008 = 8,000 012 = 12,000 015 = 15,000 018 = 18,000 024 = 24,000 027 = 27,000 030 = 30,000 036 = 36,000 048 = 48,000 054 = 54,000 072 = 72,000 096 = 96,000 120 = 1,200CFM												
Digit #10,11	= Configuration	BM = Small cabinet (Wall mounted, 1 way cassette) HM = Medium cabinet (wall mounted) KM = Large cabinet (Wall mounted, ceiling suspended) EM = 33" x 33" FM = 24" x 24" MS = Low Profile MA = Medium Static MH = High Static RE = Recessed CS = Console AM = Air Handler OA = All fresh type AF = DOAS w/o Reheat AR = DOAS with Reheat AU = Hydro HEX unit BU = Hydro HEX with booster												
Digit #12	= Voltage	J = 208-230v/1p/60hz												
Digit #13	= Refrigerant	4 = R410a												
Digit #14	= Hold for Future	0 = 1st Gen 1 = 2nd Gen 2 = 3rd Gen												
Digit #15	= Minor Design Sequence	A = Original model B = First revision C = 2nd Revision												



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 4

Ceiling suspended/mounted -rigid

Construction Summary

Carbon steel casing

Options Summary

BC Controllers: Single, Main, and Small to Large Capacity.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
BC Controllers: Single BC	CMB-P105NU-G	17	25.6	11	72		25
	CMB-P106	17	25.6	11	76		Interp.
	CMB-P108	17	25.6	11	84		Interp.
	CMB-P1010	17	25.6	11	94		Interp.
	CMB-P1013	17	43.3	11.2	126		Interp.
	CMB-P1016	17	43.3	11.2	138		Interp.
BC Controllers: Sub BC	CMB-P104	17	25.5	11.2	62		Interp.
	CMB-P108	17	25.5	11.2	82		Interp.
	CMB-P1016	17	43.3	11.2	136		Interp.
BC Controllers: Main BC	CMB-P108	20.5	43.8	11.4	122		Interp.
	CMB-P1010	20.5	43.8	11.4	132		Interp.
	CMB-P1013	20.5	43.8	11.4	148		Interp.
	CMB-P1016NU-HA	20.5	43.8	11.4	162		26
BC Contollers: Small Capacity ¹	CMB-P104NU-J1	16	25	10	56		35
	CMB-P104	16	25	10	56	TCMBG0104	Interp.
	CMB-P106	16	25	10	62	TCMBG0106	Interp.
	CMB-P108	16	25	10	82	TCMBG0108	Interp.
BC Contollers: Medium Capacity ¹	CMB-P108	21.5	35.9	10	82	TCMBM0108	Interp.
	CMB-P1012	21.5	35.9	10	131	TCMBG1012	Interp.
BC Contollers: Large Capacity ¹	CMB-P1012	22	45	10	131	TCMBM1012	Interp.
	CMB-P1016	22	45	10	144.5	TCMBG1016	Interp.
	CMB-P1016NU-KA1	22	45	10	114.5		36

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 4

Ceiling suspended/mounted -rigid

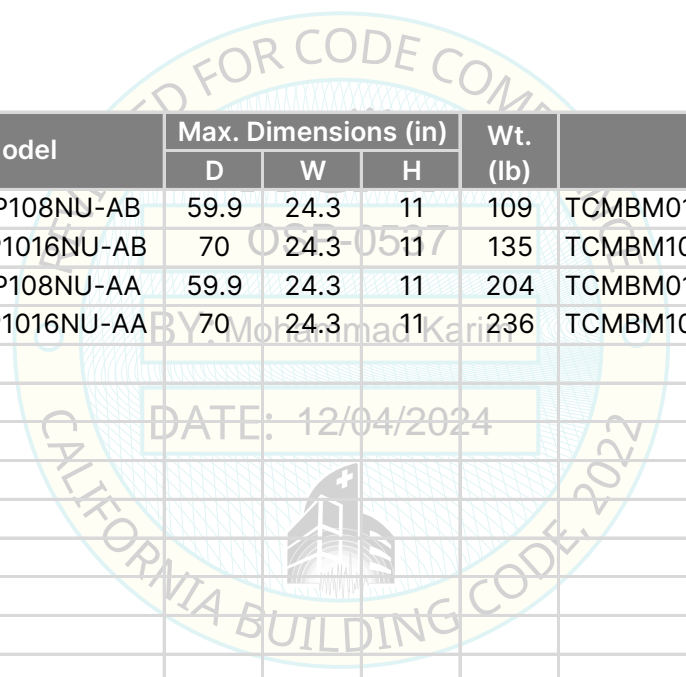
Construction Summary

Carbon steel casing

Options Summary

BC Controllers: Single, Main, and Small to Large Capacity.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
Hybrid VRF Main BC ^{1,2}	CMB-WP108NU-AB	59.9	24.3	11	109	TCMBM0108VB11N4	Extrap
	CMB-WP1016NU-AB	70	24.3	11	135	TCMBM1016VB11N4	Extrap
	CMB-WP108NU-AA	59.9	24.3	11	204	TCMBM0108VA11N4, Tested	46
	CMB-WP1016NU-AA	70	24.3	11	236	TCMBM1016VA11N4	47



Notes:

- ¹CMB-WP###NU-AB is a depopulated CMB-WP###NU-AA.
- ²Alternate model number for Trande branded product line. Unit is identical.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
 $S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

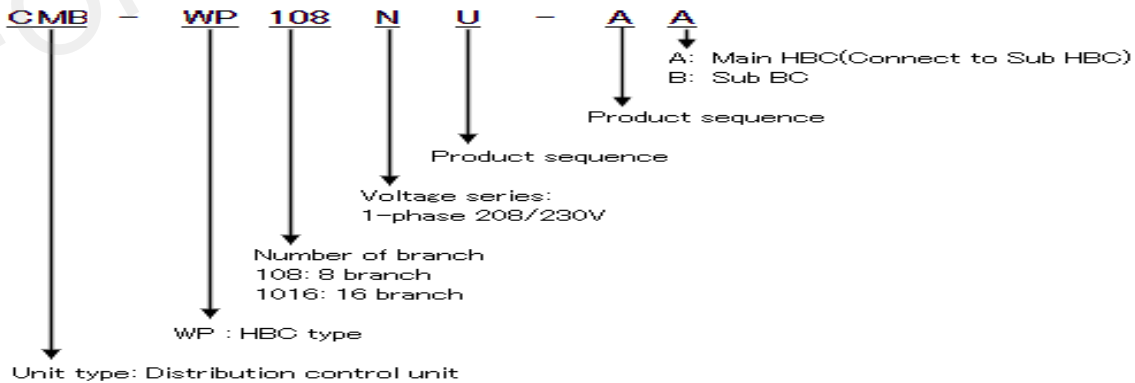
TABLE 4 Nomenclature

Model Name (City Multi BC)

City Multi Branch Controller

Digit #	Character	Description	Digit #	Character	Description
1	T	Brand Name	10, 11	H A	Unit Application
2,3,4	CMB	Model Family	12	J1	Single J1
5	M	Unit Type	13	KA1	JA1 Main
6,7,8,9	0104	# of Branches	14	KB1	KA1 Main
	0105	4 branches	15	4	KB1 Sub
	0106	5 branches			
	0108	6 branches			
	1010	8 branches			
	1012	10 branches			
	1016	12 branches			
		16 branches			

Note: Digit 16 is an internal digit and is not shown on product





SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

$S_{DS} = 2.00$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11$ for $z/h=0$

Building Codes

CBC 2022

TABLE 5

Wall mounted - rigid

Construction Summary

Plastic covers on carbon steel enclosures

Options Summary

PKFY and PKA: 208/230V, heat pump and cooling only

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
PKFY Indoor Wall Mounted ¹	PKFY-P04	8.9	32.1	11.6	22	TPKFYP004	Extrap.
	PKFY-P04NLMU-E	9.3	35.4	11.8	23.5		40
	PKFY-P06	8.9	32.1	11.6	22	TPKFYP006	Interp.
	PKFY-P06NBMU-E	8.9	32.1	11.6	22		7
	PKFY-P08	9.8	35.4	11.6	29	TPKFYP008	Interp.
	PKFY-P12	9.8	35.4	11.6	29	TPKFYP012	Interp.
	PKFY-P15	9.8	35.4	11.6	29	TPKFYP015	Interp.
	PKFY-P18	9.8	35.4	11.6	29	TPKFYP0018	Interp.
	PKFY-P18NLMU-E	9.3	35.4	11.8	28	TPKFYP018LM140A	41
	PKFY-P24	11.6	46.1	14.4	46	TPKFYP024	Interp.
PKFY-P30	11.6	46.1	14.4	46	TPKFYP030	Interp.	
PKA ^{1,2,3} Indoor Wall Mounted	PKA-A12	9.8	35.4	11.6	29	TPKA0A012	Interp.
						APKA0A012	
	PKA-A18	9.8	35.4	11.6	29	TPKA0A018	Interp.
						APKA0A018	
	PKA-A24	11.6	46.1	14.4	46	TPKA0A024	Interp.
						APKA0A024	
PKA-A30	11.6	46.1	14.4	46	TPKA0A030	Interp.	
					APKA0A030		
PKA-A36	11.6	46.1	14.4	46	TPKA0A036	Interp.	
					APKA0A036		
PKA-A36KA	11.6	46.1	14.4	46		8	

Notes:

¹Alternate model number for Trane branded product line. Unit is identical.

²Alternate model number for American Standard branded product line. Unit is identical.

³PKA is depopulated version of PKFY.

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
 $S_{DS} = 2.00$ for $z/h=1$
 $S_{DS} = 2.11$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

TABLE 5 Nomenclature

FOR REFERENCE ONLY

T	R	U	Z	A			0	1	2	1	L	A	8	0	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Brand Name	Configuration	Indoor Description	Indoor Description	Indoor Description	Indoor Description	Capacity (Btu/h)	Capacity (Btu/h)	Capacity (Btu/h)	Voltage	Chasis Generation	Controls	Generation Code	Futhure Use	Minor Design	
TR = Trane AS: American St	P: P Series	KA0A: Wall Mounted CA0A: Ceiling Suspended LA0A: Cassette VA0A: Vertical Ducted EADA: Horizontal Ducted				012: 12,000 018: 18,000 024: 24,000 030: 30,000 036: 36,000 042: 42,000			0:115V, 1ph 1: 208/230V, 1ph	K: Previous Generation H: Current Generation	A: A Control	7th Generation 8th Generation	0 1	A: 1st Gen B: 2nd Gen	

Model Name (City Multi Indoor)

City Multi IDU

- | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>I</u> | <u>P</u> | <u>K</u> | <u>E</u> | <u>Y</u> | <u>P</u> | <u>Q</u> | <u>Z</u> | <u>A</u> | <u>B</u> | <u>M</u> | <u>L</u> | <u>A</u> | <u>Q</u> | <u>A</u> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
- Digit #1 = Brand Name
T = Trane
 - Digit #2 = Model Family
P = Packaged AC
 - Digit #3 = Application
K = Wall Mounted
L = Ceiling Recessed 4-way
M = Ceiling Recessed 1-way
C = Ceiling Suspended
E = Ceiling Concealed Ducted
F = Floor Standing
V = Multi-position Air Handler
W = Hydronic Heat Exchanger
 - Digit #4,5,6 = Unit Type
FYP = Indoor Unit
 - Digit #7,8,9 = Capacity (Btu/h)
 - 006 = 6,000
 - 008 = 8,000
 - 012 = 12,000
 - 015 = 15,000
 - 018 = 18,000
 - 024 = 24,000
 - 027 = 27,000
 - 030 = 30,000
 - 036 = 36,000
 - 048 = 48,000
 - 054 = 54,000
 - 072 = 72,000
 - 096 = 96,000
 - 120 = 1,200CFM
 - Digit #10,11 = Configuration
BM = Small cabinet (Wall mounted, 1 way cassette)
HM = Medium cabinet (wall mounted)
KM = Large cabinet (Wall mounted, ceiling suspended)
EM = 33" x 33"
FM = 24" x 24"
MS = Low Profile
MA = Medium Static
MH = High Static
RE = Recessed
CS = Console
AM = Air Handler
OA = All fresh type
AF = DOAS w/o Reheat
AR = DOAS with Reheat
AU = Hydro HEX unit
BU = Hydro HEX with booster
 - Digit #12 = Voltage
1 = 208-230v/1p/60hz
 - Digit #13 = Refrigerant
4 = R410a
 - Digit #14 = Hold for Future
0 = 1st Gen
1 = 2nd Gen
2 = 3rd Gen
 - Digit #15 = Minor Design Sequence
A = Original model
B = First revision
C = 2nd Revision



Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type, and City Multi

Seismic Parameters

S_{DS} = 2.00 for z/h=1 **I_p = 1.5**
S_{DS} = 2.11 for z/h=0

Building Codes

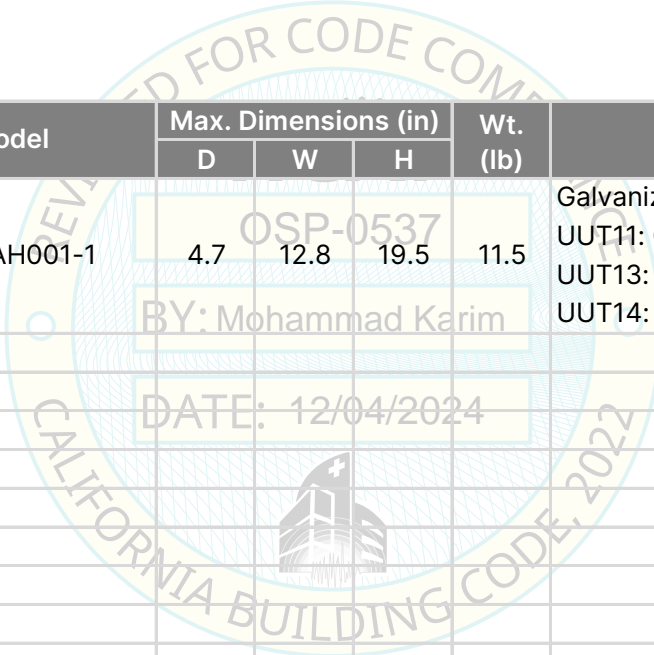
CBC 2022

TABLE 6 Wall mounted - isolated, rigid, or ceiling suspended

Construction Summary
Carbon steel enclosure

Options Summary

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
LEV AHU Controller Box	PAC-AH001-1	4.7	12.8	19.5	11.5	Galvanized Steel Plate UUT11: Ceiling Suspended UUT13: Wall Mounted-Rigid UUT14: Wall Mounted-Isolated	11,13, 14



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

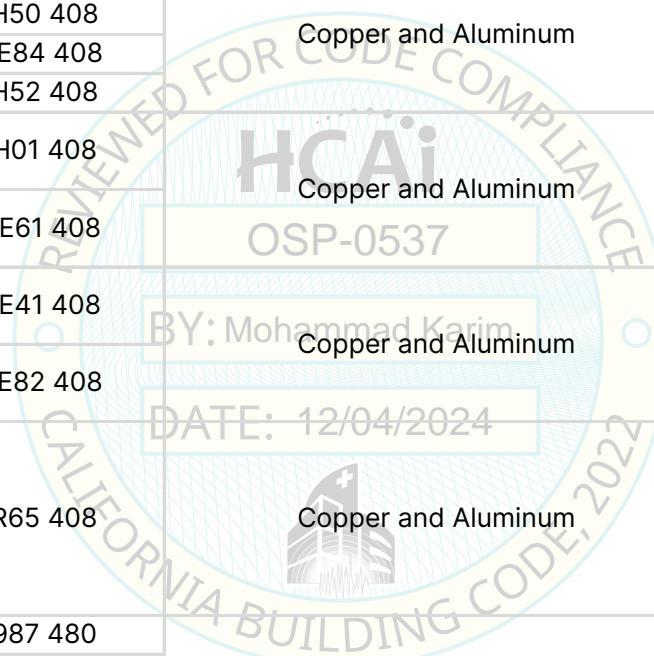
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 7 Heat Exchangers - Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Heat Exchanger - Outdoor PUZ (Mitsubishi)	R01 H55 408	Copper and Aluminum	Corrosion Resistant Variant	1
	R01 H50 408			Interp.
	T7W E84 408			Interp.
	R01 H52 408			2
Heat Exchanger - Outdoor PUZ & PUY Double Fan (Mitsubishi)	R01 H01 408	Copper and Aluminum		Interp.
	T7W E61 408			Interp.
Heat Exchanger PUMY P36-P60 Double Fan (Mitsubishi)	T7W E41 408	Copper and Aluminum		6
	T7W E82 408			5
Heat Exchanger TUMY P036-P048 Double Fan (Mitsubishi)	R01 R65 408	Copper and Aluminum		42
Heat Exchanger PQRV & PQHY (Alfa Laval Inc.)	R61 987 480	Copper and Aluminum		29
	R61 990 480			Interp.
	R61 A02 480			Interp.
	R61 991 480			30
Heat Exchanger Assembly Outdoor PURY and PUHY (Mitsubishi)	R61 929 480	Copper and Aluminum		31
	R61 930 480			Interp.
	R61 931 480			Interp.
	R61 933 480			Interp.
	R61 935 480	Copper and Aluminum		Interp.
	R61 936 480			Interp.
	R61 937 480			32
	R61 939 480			32
	KD00B592			Interp.
	KD00B591			Interp.
KS01R178	Interp.			
KS01R179	Interp.			
KS01T158	Interp.			



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

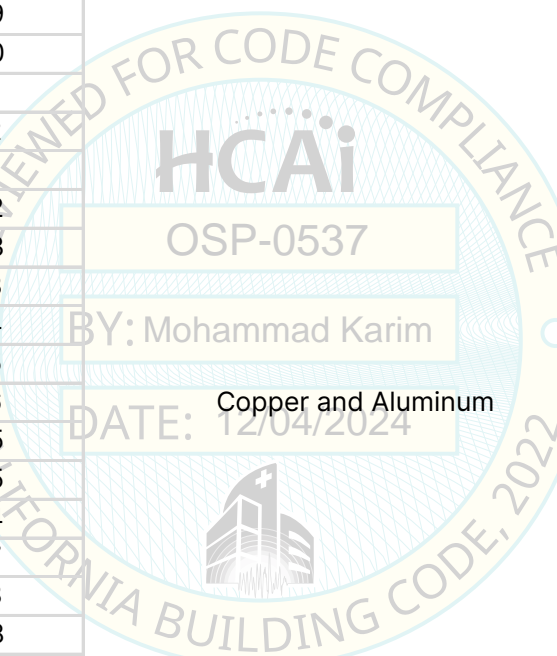
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 7 Heat Exchangers - Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Heat Exchanger Assembly Outdoor PURY and PUHY (Mitsubishi)	KD00B658	Copper and Aluminum		Interp.
	KD00B659		Interp.	
	KD00B660		Interp.	
	KS00R751		Interp.	
	KS00R752		33	
	KD00B581		Interp.	
	KD00B582		Interp.	
	KD00B583		Interp.	
	KS00R753		Interp.	
	KS00R754		Interp.	
	KS00R755		Interp.	
	KS00R756		Interp.	
	KD00B585		Interp.	
	KD00B585		Interp.	
	KS00R904		Interp.	
	KS00R757		Interp.	
	KS00R758		Interp.	
	KD00B668		Interp.	
	KD00B669		Interp.	
	KD00B670		40	
R61 K06 480	38,39			
R61 K07 480	38,39			
R61 K08 480	38,39			
INV Heat Exchanger (Mitsubishi)	R61 928 780	Copper and Aluminum		29,30
Heat Exchanger (Mitsubishi) QAHV	R63 033 105	Copper and Aluminum		44
				45



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

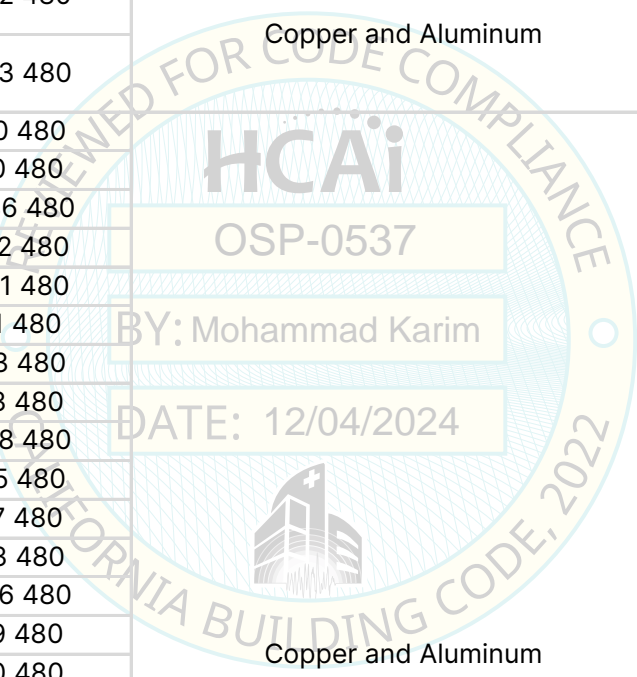
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 8 Heat Exchangers - Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
Heat Exchanger (Mitsubishi Electric) PMFY Indoor Cassette	T7W H92 480	Copper and Aluminum		15
	T7W H93 480			16
Heat Exchanger (Mitsubishi Electric) PLA & PLFY Indoor Cassette	R01 N00 480	Copper and Aluminum		17
	R01 L50 480		Interp	
	T7W H86 480		Interp	
	R01 N02 480		Interp	
	T7W H61 480		Interp	
	R01 L51 480		Interp	
	R01 N03 480		Interp	
	R01 L63 480		19	
	T7W H88 480		Interp	
	R01 N05 480		Interp	
	R01 L57 480		Interp	
	R01 AE3 480		Interp	
	T7W H96 480		Interp	
	R01 L59 480			
	R01 L60 480			
Heat Exchanger (Mitsubishi Electric) PEFY Indoor Concealed	E17 C23 620			18
	E17 402 620			12
	E17 403 620			20
	E17 405 620			Interp
	U41 003 480			Interp
	U41 004 480			Interp
	U41 005 480			Interp
	U41 006 480			Interp
	U41 007 480			Interp
	R61 618 480			Interp
R61 Y38 480			21	
R61 326 480	main		22	
R61 327 480	reheat		22	



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

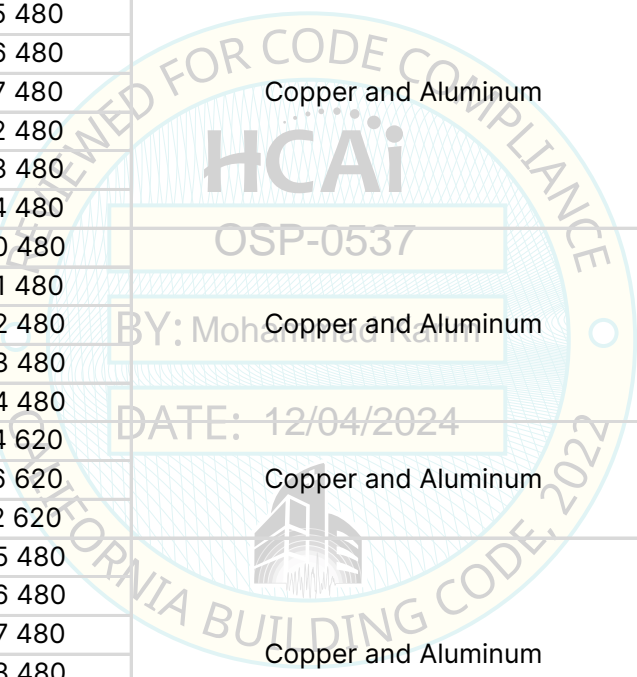
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 8 Heat Exchangers - Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
Heat Exchanger (Mitsubishi Electric) PVFY and PVA Indoor Multi-Position	U41 011 480	Copper and Aluminum		23
	U41 015 480		Interp	
	U41 016 480		Interp	
	U41 017 480		Interp	
	U41 012 480		Interp	
	U41 013 480		Interp	
Heat Exchanger (Mitsubishi Electric) PEAD Indoor	U41 014 480	Copper and Aluminum		24
	U41 020 480		3	
	U41 021 480		Interp	
	U41 022 480		Interp	
	U41 023 480		Interp	
Heat Exchanger (Mitsubishi Electric) PCA	U41 024 480	Copper and Aluminum		4
	E17 644 620		9	
	E17 666 620		Interp	
Plate Heat Exchanger Assy. (Mitsubishi) PEFY	E17 782 620	Copper and Aluminum		37
	U41 045 480		48	
	U41 046 480		Interp	
	U41 047 480		Interp	
	U41 048 480		Interp	
	U41 049 480		Interp	
Plate Heat Exchanger Assy. (Kelvion) Main BC	R61 L89 480	Copper and Aluminum		46,47
Plate Heat Exchanger Assy. (Hisaka) Main BC	R61 M18 480			46,47



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

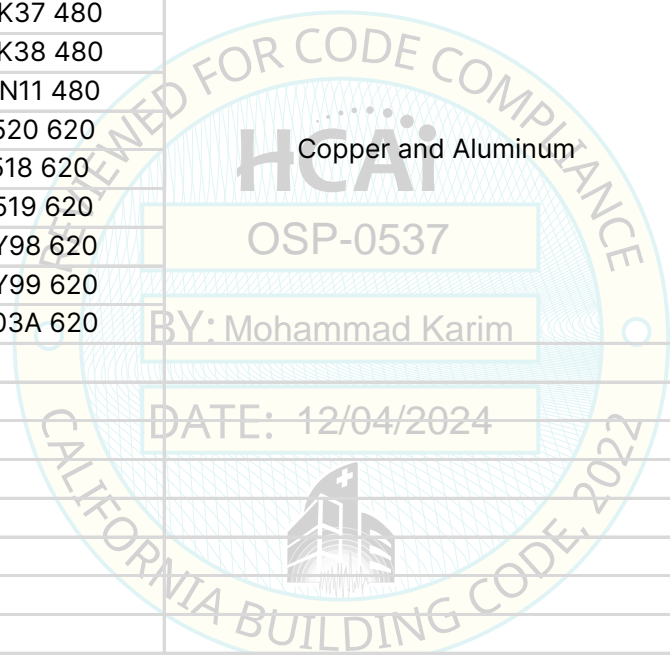
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 9

Heat Exchanger - Wall Mounted

Component (Manufacturer)	Model	Description	Notes	UUT
Heat Exchanger (Mitsubishi Electric) Wall Mounted Units	R05 Y05 480	Copper and Aluminum		7
	T7W K37 480			Interp
	T7W K38 480			Interp
	T7W N11 480			Interp
	E17 520 620			Interp
	E17 518 620			Interp
	E17 519 620			8
	E27 Y98 620			40
	E27 Y99 620			Interp
	E27 03A 620			41
				

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 10

Compressor- Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Compressor (Siam) PUZ, PUMY, PUY, MXZ Units	T97 427 607			1
	T97 428 607		Corrosion Resistant Variant	Interp
	T97 426 607			Interp
	T97 427 677			2
	T92 577 280		Single Fan	Interp
	T92 508 801	Carbon Steel	Single Fan	Interp
	T97 415 790			Interp
	T92 415 767			Interp
	T97 415 779		Double Fan	6
	T97 415 789		Double Fan	5
	E27 68P 900			43
Compressor (Mitsubishi Electric) PUZ, PUMY, PUY, MXZ Units	T97 443 077	Carbon Steel		42
Scroll Compressor (Mitsubishi Electric) PUHY/PURY	R69 126 478			31
	R69 130 478			Interp
	R69 127 478			Interp
	R69 103 478			Interp
	R69 128 478			Interp
	R69 129 478			Interp
	R69 125 478			32
	R69 118 478			Interp
	R69 167 478			Interp
	R69 168 478		Carbon Steel	Interp
	HNK68FB-UT			Interp
	HNK68FA-YE			Interp
	HNK68FA-YET			Interp
	HNK68FB-YET			Interp
	HNK68FA-YE			34
	HNK68FB-YE			Interp
HNK97FA -U			Interp	
HNK97FB-UT			Interp	

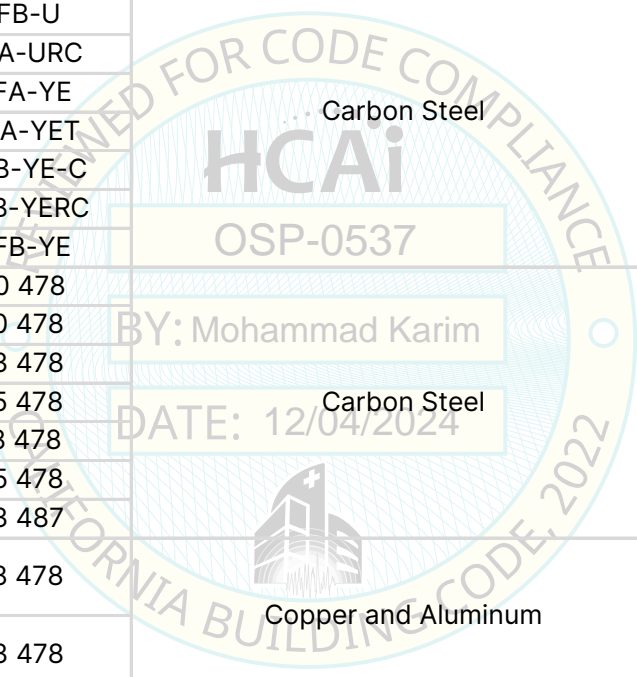
Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
 $S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes
CBC 2022

TABLE 10 Compressor- Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Scroll Compressor (Mitsubishi Electric) PUHY/PURY	HNK97FA-U-C	Carbon Steel		Interp
	HNK97FB-U			Interp
	HNK97FA-URC			Interp
	HNK97FA-YE			Interp
	HNK97FA-YET			34
	HNK97FB-YE-C			Interp
	HNK97FB-YERC			Interp
Scroll Compressor (Mitsubishi Electric) PQRY and PQHY	HNK97FB-YE			33
	R69 200 478	Carbon Steel		38,39,
	R69 130 478			29
	R69 103 478			Interp
	R69 125 478			Interp
	R69 118 478			Interp
	R69 135 478			Interp
R69 133 478			30	
Compressor (Cyubu Teikouki) QAHV	R69 218 478	Copper and Aluminum		44
	R69 143 478			45





SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

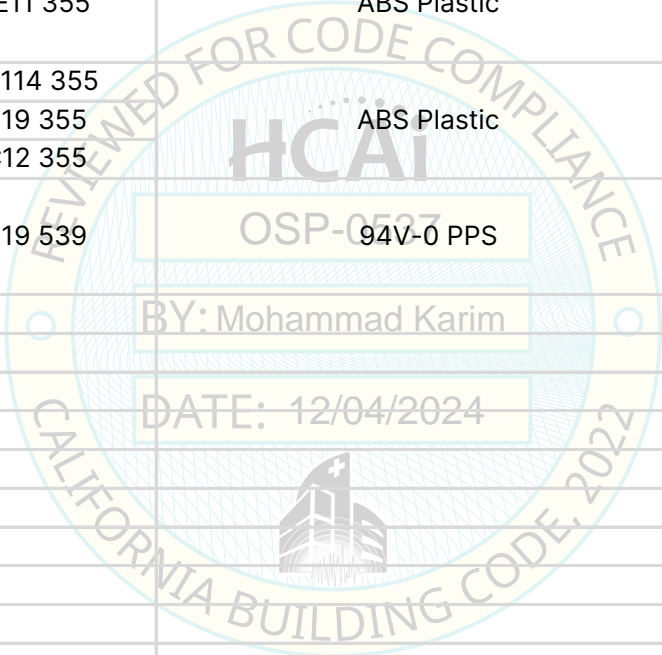
Building Codes

CBC 2022

TABLE 12

Condensate Pump - Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
Condensate Pump - PMFY (Saginomiya)	T7W E11 355	ABS Plastic		15,16
Condensate Pump - PLFY/PLA (Fujikoko Corp.)	T7W E114 355	ABS Plastic		17,19
	R01 E19 355		18	
	E17 C12 355		12	
Pump - CMB (Panasonic Electric)	R61 019 539	OSP-0537 94V-0 PPS		46,47



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 13 Fan and Fan Motors - Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Fan Motor (Siam) PUZ, PUMY, PUY	T7W A07 221			1
	R01 E80 221		Corrosion Resistant Variant	Interp
	T7W A05 221		Top Fan	2
	T7W A08 221		Bottom Fan	2
	T7W A06 221	Carbon Steel	Top and Bottom Fan	5
	R01 E52 221		Single Fan	Interp
	T7W E27 763		Single Fan	Interp
	T7W E27 763		Double Ran	Interp
	R01 E57 221		Double; Top and Bottom	6
Fan Motor (Nidec) PUZ, PUMY, PUY	T7W A10 221	Carbon Steel	Double; Top and Bottom	42
	E27 68P 301		Top Fan	43
Fan Motor (Panasonic) PUZ, PUMY, PUY	E27 69P 301	Carbon Steel	Bottom Fan Moro	43
Fan Motor (Nidec) PUHY & PURY	R61 267 220			31
	R61 268 220			32
	R61 349 220			39
	R61 378 220			33,38
	R61 351 220			Interp
	R61 379 220			Interp
	R61 353 220	Carbon Steel		39
	R61 380 220			33,38
	E27 R13 301			34
	E27 J44 301			Interp
	E27 R14 301			Interp
	E27 J47 301			Interp
	E27 J50 301			Interp
	E27 R17 301			34
Fan Motor (Nidec) QAHV	R61 201 220	Carbon Steel		44,45
	R61 167 220			
Fan (Toray) QAHV	R61 001 300	Styrene Acrylonitrile		44,45

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 14

Fan & Fan Motors Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
Fan Motor (Panasonic) PEAD	U41 002 220	Carbon Steel		3
	U41 003 220			Interp
	U41 004 220			4
Fan Motor (Panasonic) PMFY	R01 E32 114	Carbon Steel		15,16
Fan Motor (Panasonic) PLA/PLFY	R01 E59 220	Carbon Steel		17
	R01 E66 220			19
	R01 E44 220			Interp
	E17 K05 300			12
Fan Motor (Nidec) PLA/PLFY	T7W L02 220	Carbon Steel		18
Fan Motor (Nidec) PCA	E17 648 300	Carbon Steel		9
Fan Motor (Nidec) PEFY	E17 319 300	Carbon Steel		20
	U41 002 220			Interp
	U41 003 220			Interp
	U41 004 220			Interp
	R61 Y47 221			21
	R61 205 220			22
Fan Motor (Nidec) PVFY/PVA	U41 003 128	Carbon Steel		23
	U41 004 128			Interp
	U41 005 128			24
Line Flow Fan	R01 E32 114	Styrene Acrylonitrile		15,16
Fan Motor (Sirocco Fan)	R61 022 114	Carbon Steel		22
	R61 023 114			22
Fan Motor (Nidec)	E17 648 500	Carbon Steel		9
Turbo Fan (Toray Industries)	E17 C12 50	Styrene Acrylonitrile		12
	R01 E39 114			17
	R01 E34 11			19
	R01 E46 11			18

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

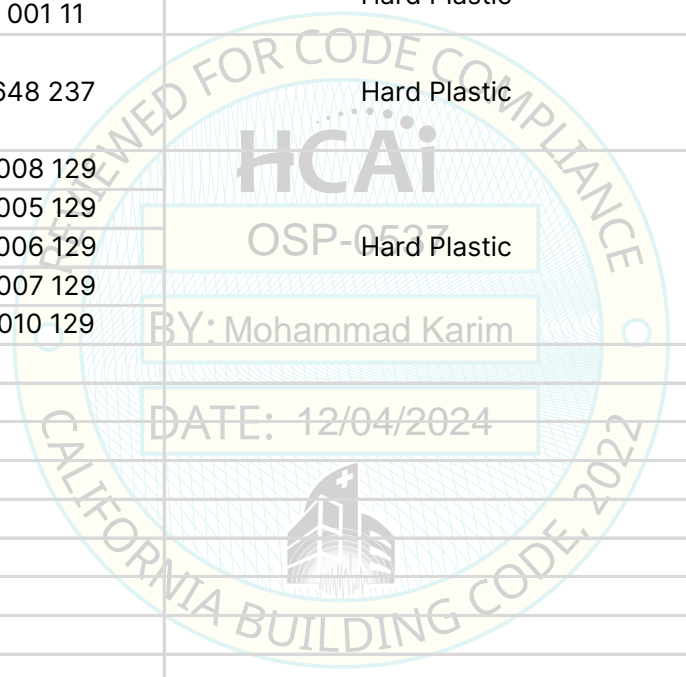
Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes
CBC 2022

TABLE 14	Fan & Fan Motors Ceiling Suspended Units
-----------------	---

Component (Manufacturer)	Model	Description	Notes	UUT
Fan Assembly (Sirocco)	U41 002 11	Hard Plastic		3
	U41 001 11			4
Fan Case (Mitsubishi Electric) PCA	E17 648 237	Hard Plastic		9
Fan Case (Mitsubishi Electric) PVFY	U41 008 129	Hard Plastic		23
	U41 005 129			Interp
	U41 006 129			Interp
	U41 007 129			Interp
	U41 010 129			24





SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

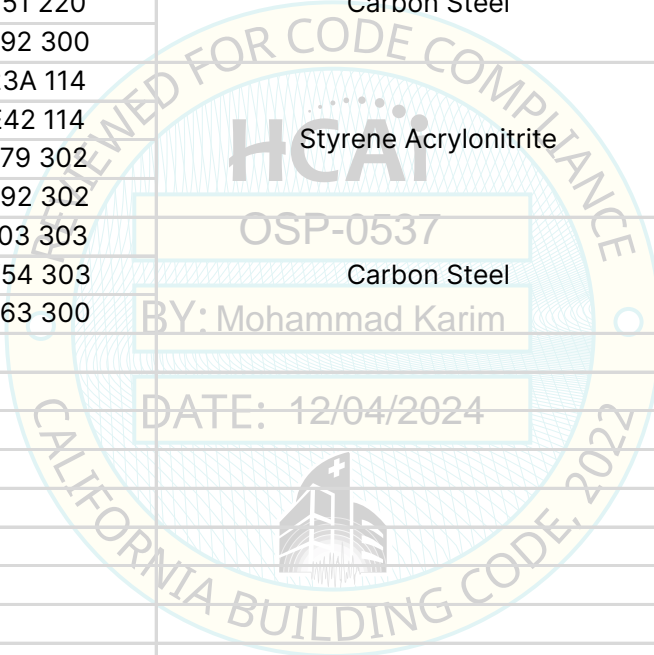
Seismic Parameters
 $S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes
CBC 2022

TABLE 15

Table Description: Fans & Fan Motors - Wall Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Fan Motors (Nidec)	T7W E41 762	Carbon Steel		7
	R01 E51 220			Interp
	E12 C92 300			8
Line-Flow Fan (Toray Industries)	R01 23A 114	Styrene Acrylonitrile		7
	R01 E42 114			Interp
	E12 R79 302			8
Fan Motor (Nidec)	E12 C92 302	Carbon Steel		8
	E27 103 303			40,41
Fan Motor (Nidec)	E22 Y54 303			40,41
Fan Motor (Nidec)	E27 P63 300			40,41



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 16 **Electronics - Base Mounted Units**

Component (Manufacturer)	Model	Description	Notes	UUT
Power Receiver (Qingdao)	R01 E69 440	Stainless Steel		1
	R01 E65 440			Interp
	R01 E60 440			2
M-Net Power Board (Kyosha Co.)	R04 311	Hard Plastic		6
	R01 E04			5
M-Net Power Board (Mitsubishi Electric)	R01 E07 311	Hard Plastic		42
Power Circuit Board (Shin-Asahi Electric)	T7W B40 323	Hard Plastic		Extrap
	T7W B50 323			2
	R01 E65 313			6
	T7W AY0 323			5
Power Board (Mitsubishi Electric)	T7W M01 323	Hard Plastic		42
	E27 68P 440			43
Switch Board (Shirai Electronic)	R01 E00 316	Hard Plastic		1
Control Board (Shin-Asahi) PUZ, PUMY, PUY	T7W H90 315	94V-0 Plastic		1
	T7W HA0 315			Interp
	T7W HB0 315			2
	R01 V14 310			6
	T7W GG2 315			5
	T7W F22 315		Single Fan	27
	T7W F00 315			28
	T7W F07 315		Double Fan	Interp
	T7W F14 315			Interp
	T7W F23 315		Double Fan	5,6
Control Board (Mitsubishi Electric) PUZ, PUMY, PUY, MXZ	R01 M03 350	94V-0 Plastic		42
	E27 68P 450			43

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 16 **Electronics - Base Mounted Units**

Component (Manufacturer)	Model	Description	Notes	UUT
Control Board (Shin-Asahi) PQRV & PQHY	R61 358 280	94V-0 Plastic		29
	R61 371 280			Interp
	R61 339 280			Interp
	R61 340 280			30
Control Board (Mitsubishi Electric) PURV & PUHY	R61 587 280	94V-0 Plastic		38
	R61 660 280	OSP-0537		39
Control Board (Mitsubishi) QAHV	R12 049 937	94V-0 Plastic		44,45
Reactor (Tamura Corp.)	T7W E28 259	Copper		1
	T7W E27 259			Interp
	T7W E30 259			2
	T7W E23 259			5
	E27 68P 337			43
Terminal Block (Hoppy)	T7W E70 716	Hard Plastic		1
	T7W E67 716			2
	T7W 603 246			5
	R01 E27 246			5
	E27 68P 374			43
Inverter Board (Shin-Asahi) PUZ, PUMY, PUY	R01 E72 313	94V-0 Plastic		6
	R01 E72 313			5
Inverter Board (Mitsubishi Electric) PUZ, PUMY, PUY, MXZ	E27 68P 456	94V-0 Plastic		43

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

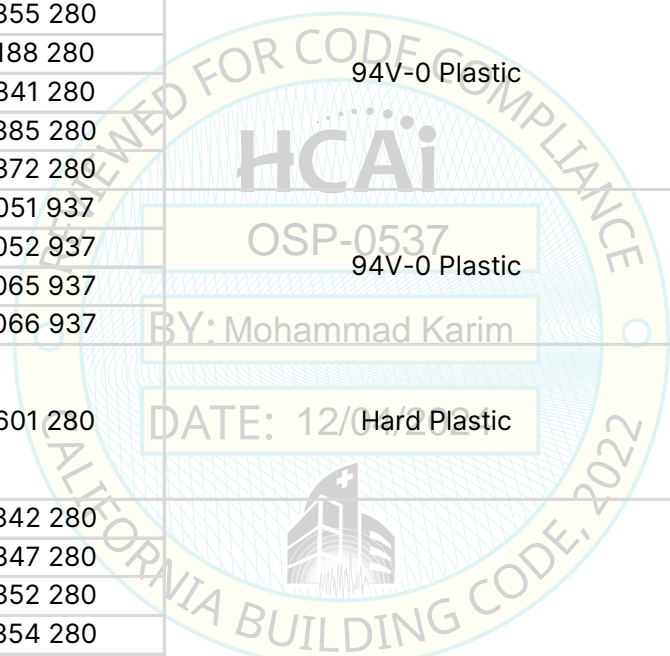
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 16 **Electronics - Base Mounted Units**

Component (Manufacturer)	Model	Description	Notes	UUT
Inverter Board (Shin-Asahi) PURY&PQHY	R61 353 280			29
	R61 355 280			Interp
	R61 188 280			Interp
	R61 341 280	94V-0 Plastic		Interp
	R61 385 280			Interp
	R61 372 280			30
Inverter Board (Mitsubishi) QAHV	R12 051 937			44
	R12 052 937			44
	R12 065 937	94V-0 Plastic		45
	R12 066 937			45
Inverter Board (Mitsubishi Electric) PURY&PUHY	R61 601 280	Hard Plastic		38,39
PC Board Matl. (Shin-Asahi) PUHY&PURY	R61 342 280			31
	R61 347 280			Interp
	R61 352 280			Interp
	R61 354 280			32
	R61 A11 305			Interp
	R61 A13 305			Interp
	R61 A15 305			Interp
	R61 A17 305			Interp
	R61 A19 305	94V-0 Plastic		33
	E27 R33 081			Interp
	E27 R74 081			Interp
	E27 R34 081			Interp
	E27 R35 081			Interp
	E27 R36 081			Interp
	E27 R37 081			Interp
	E27 R38 081			34



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 17

Electronics - Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
Terminal Block Assembly (Hoppy) PEAD	U41 003 246	Hard Plastic		3,4
Terminal Block (Hoppy) PCA	E17 516 375	Hard Plastic		9
	E17 162 37		9	
Terminal Block (Hoppy) MZ	U41 002 246	Hard Plastic		11
	E17 154 37		11	
	E17 156 37		11	
Terminal Block (Hoppy)PLFY	E17 K05 37	Hard Plastic		12
Terminal Block (Hoppy) PEAD	U41 003 24	Hard Plastic		3,4
Reactor (Tamura Corp.)	U41 001 259	Copper		3
	U41 002 259		4	
Control Board (Shin-Asahi) PMFY	T7W C04 310	94V-0 Plastic		15,16
Control Board (Shin-Asahi) PLA/PLFY	T7W C03 310	94V-0 Plastic		17
	T7W C19 310		19	
Control Board (Seiryō - Technica) PLFY	TTW M00 310	94V-0 Plastic		18
	E17 K05 447		12	
Control Board (Shikibo Electronic) CMB&CMP	R63 044 280	94V-0 Plastic		25,26
Control Board (Shin-Asahi)PCA	E17 D87 447	94V-0 Plastic		9,37
Control Board (Shin-Asahi) MZ	U71 001 280	94V-0 Plastic		11

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 17

Electronics - Ceiling Suspended Units

Component (Manufacturer)	Model	Description	Notes	UUT
PCA Board (Shirai Electronics) PEAD	U41 005 280	94V-0 Plastic		3
	U41 006 280	94V-0 Plastic		4
	U41 025 280	94V-0 Plastic		3,4
PCA Board (Shirai Electronics) PEFY	E17 472 447			20
	U41 003 280			Interp
	R61 182 280			Interp
	R61 181 280	94V-0 Plastic		21
	R63 140 28			Interp
	U41 001 280			Interp
	U41 002 280			Interp
	R61 226 280			22
PCA Assy (Shirai Electronics)	U41 008 280	94V-0 Plastic		11
	U41 007 280			21,22
PCA Board (PIMS) PEFY-WL	U41 011 280	94V-0 Plastic		48,49
PCA Power (Shirai Electronics) PEFY	U41 001 281			21
	U41 002 281	94V-0 Plastic		Interp
	U41 003 281			22
Relay Board Assy (Shikibo Electric) CMB&CMP	R63 M82 280	94V-0 Plastic		25,26
M-Net Terminal Block (Hoppy) MZ	U41 002 246	Hard Plastic		11
Relay (Omron) MZ	U71 001 225	Plastic and Metal		11

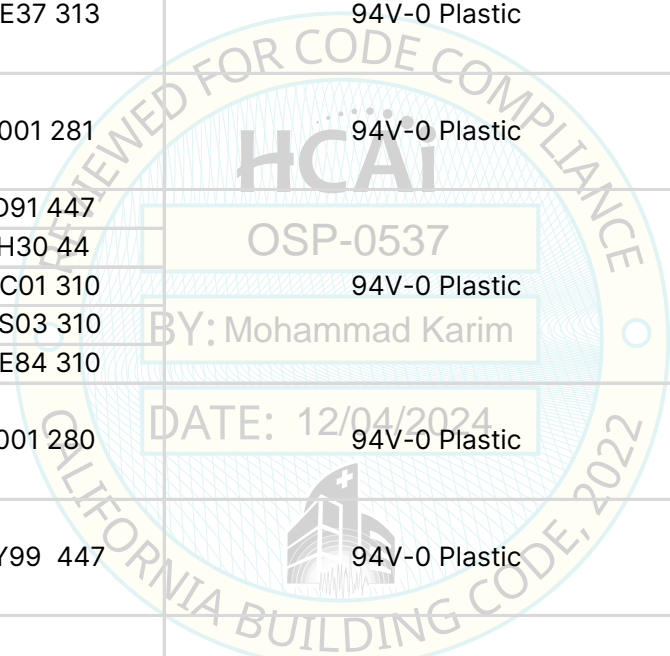
Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters	
$S_{DS} = 2.00g$ for $z/h=1$	$I_p = 1.5$
$S_{DS} = 2.11g$ for $z/h=0$	

Building Codes
CBC 2022

TABLE 18	Electronics - Wall Units
-----------------	---------------------------------

Component (Manufacturer)	Model	Description	Notes	UUT
PC Board Board (Shin-Asahi) PKFY	T7W E37 313	94V-0 Plastic		8
PC Board Board (Shin-Asahi) PAC	U41 001 281	94V-0 Plastic		13,14
Control Board (Shin-Asahi) PKFY	E17 D91 447	94V-0 Plastic		7
	E17 H30 44			Interp
	T7W C01 310			Interp
	T7W S03 310			Interp
	T7W E84 310			8
Contol Board (Shin-Asahi) PAC	U71 001 280	94V-0 Plastic		13,14
Indoor Controller Board (Mitsubishi Electronic)	E27 Y99 447	94V-0 Plastic		40,41
M-Net Terminal Block (Shin-Asahi)	U41 002 246	94V-0 Plastic		13,14
Terminal Block (Shin-Asahi) PAC	U41 002 246	94V-0 Plastic		13,14
Relay (Shin-Asahi) PAC	U71 001 225	94V-0 Plastic		13,14



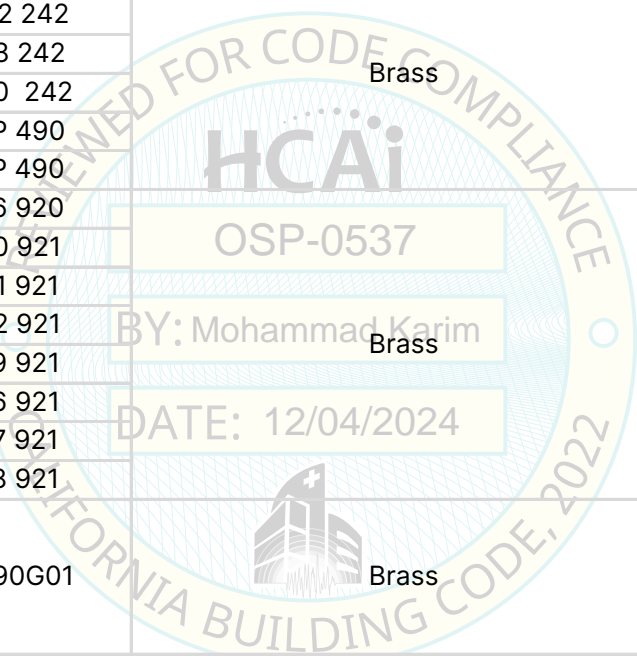
Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters
 $S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes
CBC 2022

TABLE 19 Valves-Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Solenoid Coil (Saginomiya)	T7W E97 242	Brass		1
	T7W E92 242			Interp
	T7W E98 242			2
	T7W E90 242			5
	E27 69P 490			43
	E27 70P 490			43
Solenoid Coil (Fujikoki) QAHV	R12 006 920	Brass		44,45
	R12 020 921			44
	R12 021 921			44
	R12 022 921			44
	R12 019 921			45
	R12 016 921			45
	R12 017 921			45
Solenoid Coil (Saginomiya Seisakusho) QAHV	KC79S190G01	Brass		44,45
				44,45
Coil (Fujikoki)	R01 H58 242	Brass		42
Outdoor Coil (Mitsubishi Electric)	E27 68P 630	Brass	Upper Coil	43
	E27 69P 630		Lower Coil	43
4-way Valve (Saginomiya)	T7W E08 403	Brass		1
	T7W E07 403			Interp
	T7W E05 403			Interp
	R01 E28 403			28
	R01 E40 403			5
	R61 013 403			29,30
	R61 XXX 403			Interp
	R61 021 403			33
	R61 022 403			33
	R61 XXX 403			Interp
	R61 032 403			38



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

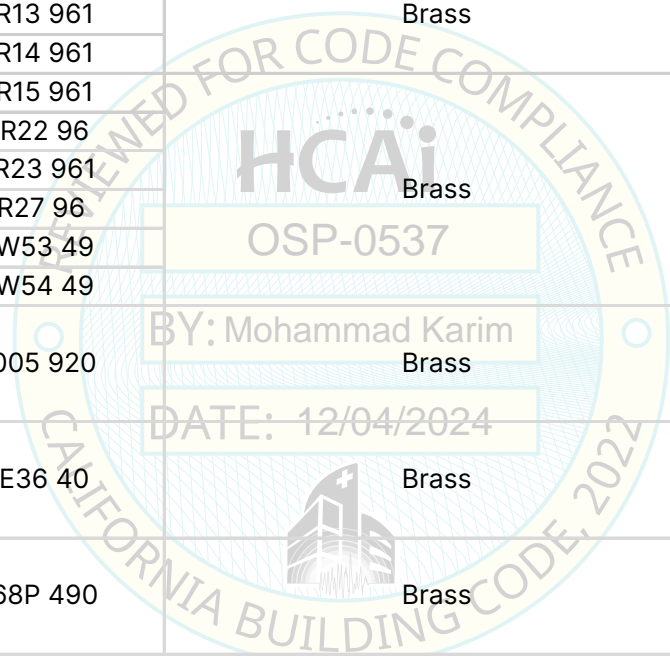
$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 19 Valves-Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
4-way Valve (Saginomiya)	R61 033 403	Brass		39
	E27 R13 961			Interp
	E27 R14 961			Interp
4-way Valve (Fujikoki)	E27 R15 961	Brass		Interp
	E27 R22 96			Interp
	E27 R23 961			34
	E27 R27 96			34
	E27 W53 49			43
Linear Expansion Valve (Fujikoki) QAHV	E27 W54 49	Brass		43
	R12 005 920			44,45
Reversing Valve (Fujikoki) PUZ, PUMY, PUZ	R01 E36 40	Brass		6
Reversing Valve (Saginomiya) PUZ, PUMY, PUZ	E27 68P 490	Brass		43
Reversing Valve (Saginomiya) PUHY&PURY	R61 013 403	Brass		31,32
Expansion Valve (Fujikoki) QAHV	R63 001 920	Brass		44,45



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

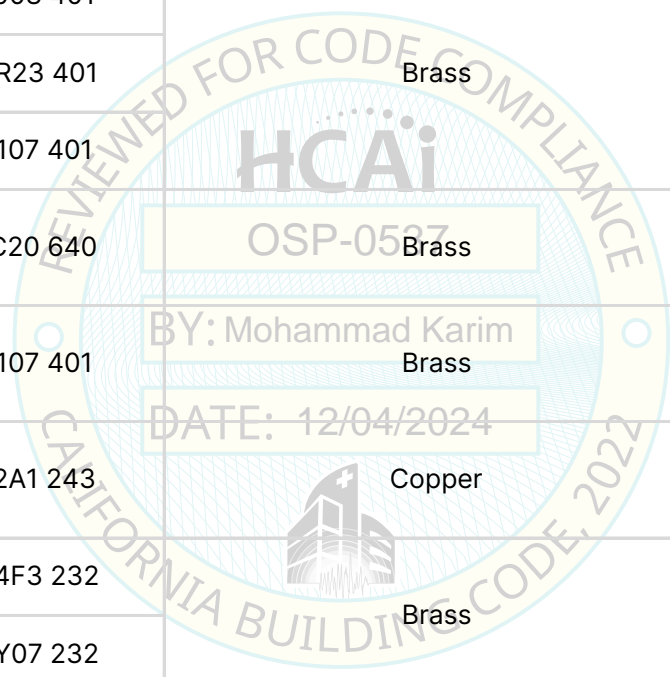
Building Codes

CBC 2022

TABLE 20

Valves-Ceiling Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Linear Expansion Valve (Mitsubishi Electric) CMB&CMP	R61 008 401			26
	R63 R23 401	Brass		25
	R61 107 401			35,36
Linear Expansion Valve (Mitsubishi Electric) PLFY	E17 C20 640	Brass		12
Linear Expansion Valve (Fujikoki) CMB	R61 107 401	Brass		46,47
Solenoid Valve Coil (Fujikoki)	R61 2A1 243	Copper		25,26
Solenoid Valve (Fujikoki) CMB&CMP	R63 4F3 232			25,26
	R63 Y07 232	Brass		25,26
Solenoid Valve (Fujikoki) CMB	R63 4F3 232	Brass		46,47
Four Way Valve (Fujikoki) CMB	R61 014 403	Brass		46,47
Solenoid Coil (Fujikoki) CMB	R61 100 243			46,47
	R61 101 243			46,47
	R61 102 243	Brass		46,47
	R61 076 243			46,47
	R61 040 243			



Pre No. CC231014-01-R1

Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

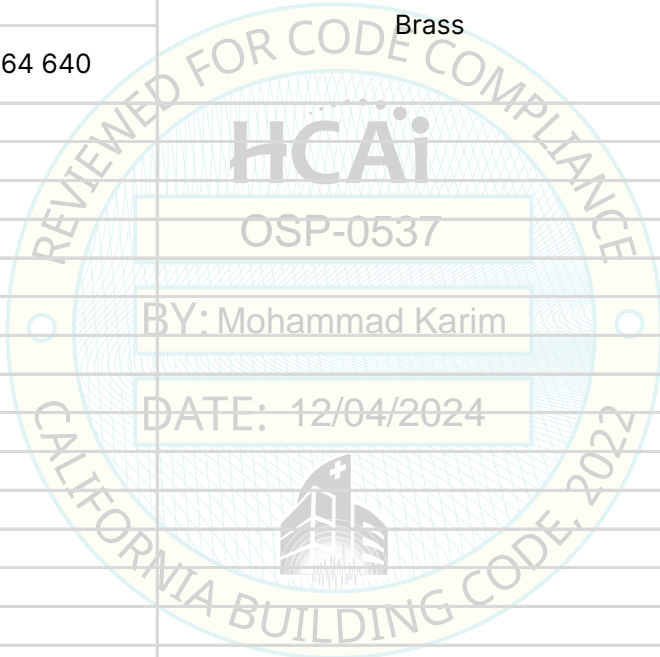
Building Codes

CBC 2022

TABLE 21

Valves-Wall Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Linear Expansion Valve (Mitsubishi Electric)	E27 P63 640	Brass		40
	E27 P64 640			41



Manufacturer: Mitsubishi Electric Corporation
Product Type: Air Conditioning Units – Split
Model Line: P-Type, S-Type & City Multi Outdoor

Seismic Parameters

$S_{DS} = 2.00g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.11g$ for $z/h=0$

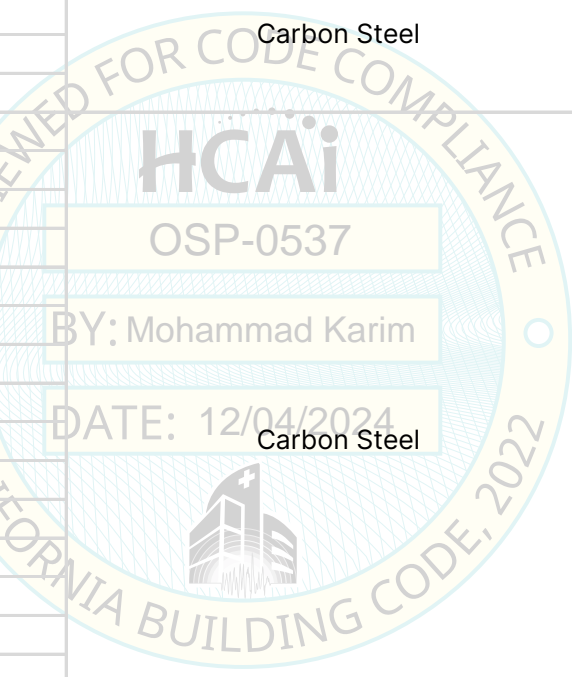
Building Codes

CBC 2022

TABLE 22

Accumulator-Base Mounted Units

Component (Manufacturer)	Model	Description	Notes	UUT
Accumulator (Meiwa Co.) PUZ, PUMY	R01 E58 440	Carbon Steel		Extrap
	R01 E60 440			Extrap
	R01 E44 440			6
	R01 E67 440			5
Accumulator Assy. (Meiwa Co.) PQR, PQHY, PUHY, PURY	R61 041 484	Carbon Steel		31
	R61 091 484			Interp
	R61 037 484			Interp
	R61 089 484			32
	R61 127 484			29
	R61 125 848			30
	R61 152 484			Interp
	R61 154 484			Interp
	KD54B568			34
	KD54B612			Interp
	KD54B367			Interp
	KD65B387			Interp
	KD54B358			Interp
	KD54B427			Interp
	KD54B387			Interp
	KD54B427			Interp
KD54B612		33		
Accumulator Assy. (Meiwa Co.) PUHY, PURY	R61 194 484	Carbon Steel		39
	R61 196 484			38



UUT	Model	Test Report	Test Laboratory	S _{DS}	z/h	I _p
1	PUZ-A12NKA7	1700802-TR-001, Rev.01	Pacific Earthquake Engineering Research Center (PEER)	2.00 2.50	1.0 0.0	1.5
2	PUZ-A36NKA7	1700802-TR-001, Rev.01	Pacific Earthquake Engineering Research Center (PEER)	2.00 2.50	1.0 0.0	1.5
3	PEAD-A12AA7	1700802-TR-001, Rev.01	Pacific Earthquake Engineering Research Center (PEER)	2.00 2.50	1.0 0.0	1.5
4	PEAD-A42AA7	1700802-TR-001, Rev.01	Pacific Earthquake Engineering Research Center (PEER)	2.00 2.50	1.0 0.0	1.5
5	PUMY-P60NKMU1	1700802-TR-001, Rev.01	Pacific Earthquake Engineering Research Center (PEER)	2.00 2.50	1.0 0.0	1.5
6	PUMY-P48NHMU	Q0028.00 (UUT-5)	Curtiss Wright Trentec	2.00 2.37	1.0 0.0	1.5
7	PKFY-P06NBMU-E	Q0028.00 (UUT-14)	Curtiss Wright Trentec	2.00 2.50	1.0 0.0	1.5
8	PKA-A36KA	Q0028.00 (UUT-13)	Curtiss Wright Trentec	2.00 2.50	1.0 0.0	1.5
9	PCA-A24KA7	15152,Rev.0 (UUT4)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
DATE: UUT 10 Omitted						
11	MVZ-A36AA7 & PAC-AH001-1	15152,Rev.0 (UUT3)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
12	PLFY-P12NFMU-E	15152,Rev.0 (UUT6)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
13	PAC-AH001-1	15152,Rev.0 (UUT1)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
14	PAC-AH001-1	15152,Rev.0 (UUT2)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
15	PMFY-P06NBMU-E	Q1619.0	Curtiss Wright Trentec	2.90 3.15	1.0 0.0	1.5
16	PMFY-P15NBMU-E	Q1619.0	Curtiss Wright Trentec	2.90 3.15	1.0 0.0	1.5
17	PLFY-P12NBMU-E	Q0028.00 (UUT-7)	Curtiss Wright Trentec	2.00 2.37	1.0 0.0	1.5
18	PLFY-P48NEMU-E	Q1653.00 (UUT-26)	Curtiss Wright Trentec	3.00 3.28	1.0 0.0	1.5
19	PLA-A42BA	Q0028.00 (UUT-10)	Curtiss Wright Trentec	2.00 2.61	1.0 0.0	1.5

Notes:

UUT	Model	Test Report	Test Laboratory	S _{DS}	z/h	I _p
20	PEFY-P06NMSU-E	Q0028.00 (UUT-6)	Curtiss Wright Trentec	2.00 2.37	1.0 0.0	1.5
21	PEFY-P96NMHU-E	Q0028.00 (UUT-1)	Curtiss Wright Trentec	2.00 2.37	1.0 0.0	1.5
22	PEFY-AF1200CFMR	Q0028.00 (UUT-3)	Curtiss Wright Trentec	2.00 2.11	1.0 0.0	1.5
23	PV FY-P12AMU-E	Q1619.0 (UUT-19)	Curtiss Wright Trentec	2.85 3.15	1.0 0.0	1.5
24	PV FY-P54AMUE-E	Q1619.0 (UUT-20)	Curtiss Wright Trentec	2.85 3.15	1.0 0.0	1.5
25	CMB-P105NU-G	Q0028.00 (UUT-9)	Curtiss Wright Trentec	2.00 2.60	1.0 0.0	1.5
26	CMP-P1016NU-HA	Q0028.00 (UUT-12)	Curtiss Wright Trentec	2.00 2.50	1.0 0.0	1.5
UUT 27 and UUT 28 Omitted						
29	PQRY-P72TLMU-A	Q1619.0 (UUT-24)	Curtiss Wright Trentec	2.75 3.15	1.0 0.0	1.5
30	PQHY-P240YLMU-A	Q1619.0 (UUT-25)	Curtiss Wright Trentec	2.60 2.85	1.0 0.0	1.5
31	PUHY-P72TLMU-A	Q1619.0 (UUT-22)	Curtiss Wright Trentec	2.75 3.15	1.0 0.0	1.5
32	PURY-P168YLMU-A	Q1619.0 (UUT-23)	Curtiss Wright Trentec	2.75 3.15	1.0 0.0	1.5
33	PURY-EP168TNU-A	15373,Rev.1	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
34	PUHY-EP192TNU-A	15373,Rev.1	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
35	CMB-P104NU-J1	15373,Rev.1	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
36	CMB-P1016NU-KA1	15373,Rev.1	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
37	PCA-A42KA7	15373,Rev.1	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
38	PURY-EP240TNU-A	2000559-TR-001-R0 (UUT1)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
39	PUHY-EP240YNU-A	2000559-TR-001-R0 (UUT2)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5

Notes:

UUT	Model	Test Report	Test Laboratory	S_{DS}	z/h	I_p
40	PKFY-P04NLMU-E	2000559-TR-001-R0 (UUT3)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
41	TPKFYP018LM140A	2000559-TR-001-R0 (UUT4)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
42	TUMYH0361AK41NA	2000559-TR-001-R0 (UUT5)	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
43	MXZ-SM120TAM	2000667-TR-001-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
44	QAHV-N136TAU-HPB-BS	TR231014-01-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
45	QAHV-N136YAU-HPB-BS	TR231014-01-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
46	TCMBM0108VA11N4	TR231014-01-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
47	CMB-WP1016NU-AA	TR231014-01-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
48	PEFY-WL06NMAU-A	TR231014-01-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5
49	PEFY-WL48NMAU-A	TR231014-02-R0	Environmental Testing Laboratory (ETL)	2.00 2.50	1.0 0.0	1.5

Notes:

UUT 1

Test Report# 1700802-TR-001, Rev.01

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PUZ-A12NKA7
Serial Number: 75U01748C

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
11.6	31.5	23.6	90

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
11.79	9.75	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel housing

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Fan Motor	T7W A07 221
Compressor	T97 427 607
Power Receiver	R01 E69 440
4-way Valve	T7W E08 403
Solenoid Coil	T7W E97 242
Heat Exchanger	R01 H55 408
Reactor	T7W E28 259
Control Board	T7W H90 315
Terminal Block	T7W E70 716
Switch Board	R01 E00 316

Rigid base mounted with (4) 1/2" dia. SAE grade 8 bolts with washers at the mounting feet. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 11

Test Report# 15152, Rev.0 (UUT3)

Manufacturer: Mitsubishi Electric Corporation
Model Line: LEV AHU Controller
Model Number: MVZ-A36AA7 and PAC-AH001-1
Serial Number: 91G0034

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.53	0.53
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4.7	12.8	19.5	11.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
MVZ-A36AA7: Galvanized steel PAC-AH001-1: Sheet metal enclosure

UUT Mounting Details:



MVZ Unit

PAC Unit

UUT 3 was mounted onto a VAV box. Total weight of VAV and LEV was 172.5. LEV unit mounted to VAV box with (4) #14 x 1" self tapping screws. VAV unit suspended using (4) 3/8" A307 hanger rods w/ rod stiffeners (Drop=16-20"), (4) 3/32" diagonal cable braces w/ Mason SCB 0/SCBH-0 clips, (24) 3/8" nuts, (16) washers, (16) 3/8" locking washers, & (16) square washers. Test Report 15152 states dimension and weight including MVZ- A36AA7. It was used for mounting purposes only. Total weight 172.5 lbs. Total dimensions 21.6" x 21" X 54.25".

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
MVZ Unit	
Fan Motor	U41 004 128
Fan Case	U41 009 129
Heat Exchangers	U41 016 480
Thermistor	U41 004 200
PAC Unit	
Control Board	U71 001 280
Relay	U71 001 225
Terminal Block	U41 002 246
M-Net Terminal Block	U41 002 246

UUT 12

Test Report# 15152, Rev.0 (UUT6)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Series & City Multi Units
Model Number: PLFY-P12NFMU-E
Serial Number: N/A

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
22.4	22.4	8.2	76

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Galvanized steel construction

UUT Mounting Details:

List of Included Subcomponents



Description

Part No.

Heat Exchanger	E17 C23 620
Fan Motor	E17 K05 300
Turbo Fan	E17 C12 502
Linear Expansion Valve	E17 C20 640
Condensate Pump	E17 C12 355
Controller Board	E17 K05 447
Terminal Block	E17 154 375
	E17 156 375
	E17 K05 375
Decorative Panel	-

Ceiling suspended rigid using (4) 3/8" A307 hanger rods w/ rod stiffeners (Drop=16-20"), (8) 3/32" diagonal cable braces w/ Mason SCB- 0/SCBH-0 clips, (16) 3/8" flat washers, (16) Locking washers, (16) Square washers, & (20) 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 13

Test Report# 15152, Rev.0 (UUT1)

Manufacturer: Mitsubishi Electric Corporation
Model Line: LEV AHU Controller
Model Number: PAC-AH001-1
Serial Number: 91G00324

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4.7	12.8	19.5	11.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Sheet metal enclosure

UUT Mounting Details:



Wall mounted - rigid: Using (4) 1/4" lag bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Control Board	U71 001 280
Relay	U71 001 225
Terminal Block	U71 002 246
M-Net Terminal	U71 002 246

UUT 14

Test Report# 15152, Rev.0 (UUT2)

Manufacturer: Mitsubishi Electric Corporation
Model Line: LEV AHU Controller
Model Number: PAC-AH001-1
Serial Number: 91G00324

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4.7	12.8	19.5	11.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Sheet metal enclosure

UUT Mounting Details:



Wall mounted - isolated: Using (4) 1/4" lags bolts. The aluminum plate was secured to four (4) Mason SLR-A-310 isolators.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Control Board	U71 001 280
Relay	U71 001 225
Terminal Block	U71 002 246
M-Net Terminal	U71 002 246

UUT 15

Test Report# Q1619.0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Series & City Multi Units
Model Number: PMFY-P06NBMU-E
Serial Number: N/A

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.90	1		4.64	3.48	2.10	0.84
3.15	0	1.5				

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
32.0	15.6	9.1	38

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

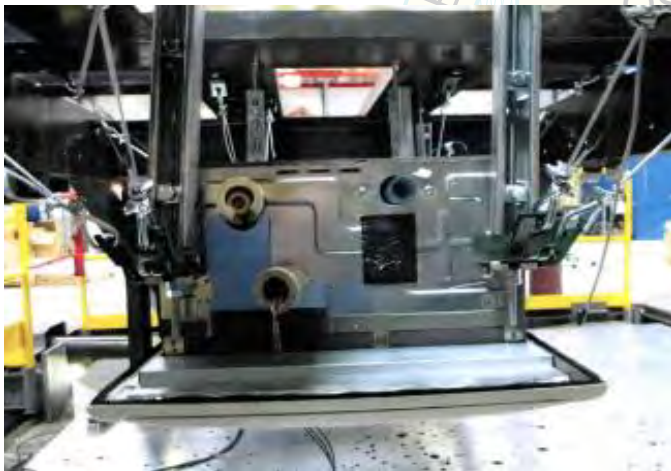
Test Criteria

ICC-ES AC156

Construction/Option Summary

Galvanized steel

UUT Mounting Details:



List of Included Subcomponents

Description	Part No.
Heat Exchanger	TZW H08 480
Line Flow Fan	R01 E32 14
Fan Motor	R01 E49 220
Condensate Pump	T7W E11 355
Control Board	T7W C04 310
Intake Grille	T7W E06 691

UUT suspended with four (4) -3/8" rods with stiffeners. Each corner has two (2) 1/8"Ø cable braces.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 16

Test Report# Q1619.0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PMFY-P15NBMU-E
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.90	1	1.5	4.64	3.48	2.10	0.84
3.15	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
32.0	15.6	9.1	38

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:

List of Included Subcomponents



Description	Part No.
Grill	PMP-16BMUW
Heat Exchanger	T7W H09 480
Line Flow Fan	R01 E32 114
Fan Motor	R01 E49 220
Condensate Pump	TW7 E11 355
Control Board	T7W C04 310
Intake Grill	T7W E06 691

UUT suspended with four (4) 3/8" rods with stiffeners. Each corner has two (2) 1/8"Ø cable braces.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 17

Test Report# Q0028.00 (UUT-7)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PLFY-P12NBMU-E
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.00	1		3.2	2.4	1.58	0.63
2.37	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
33.1	33.1	10.2	49

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Galvanized steel

UUT Mounting Details:



UUT ceiling suspended with 3/8" Ø cable braces per corner (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Heat Exchanger	R01 N00 480
Fan Motor	R01 E59 220
Turbo Fan	R01 E39 114
Control Board	T7W C03 310
Condensate Pume	T7W E14 355

UUT 18

Test Report# Q1653.00 (UUT-26)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PLFY-P48NEMU-E
Serial Number: N/A

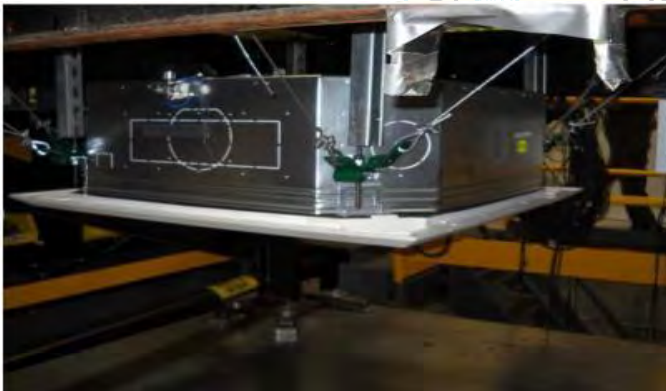
Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
3.00	1		4.80	3.60	2.19	0.88
3.28	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
33.1	33.1	11.8	55

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:



List of Included Subcomponents

Description	Part No.
Heat Exchanger	R01 L55 480
Turbo Fan	R01 E46 114
Fan Motor	T7W L02 220
Control Board	T7W M00 310
Condensate Pump	R01 E19 355

UUT ceiling suspended with four (4) 3/8"Ø rods with stiffeners. Each corner had two (2) 1/8"Ø cable braces (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 20

Test Report# Q0028.00 (UUT-6)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PEFY-P06NMSU-E
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.58	0.63
2.37	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
27.6	31.1	7.9	42

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Galvanized steel

UUT Mounting Details:



Ceiling suspended with 1/2" Ø hanger rods and (2) 1/8" Ø cable braces per corner (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Heat Exchanger	E17 402 620
Fan Motor	E17 319 300
PCA Control	E17 472 447

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 21

Test Report# Q0028.00 (UUT-1)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PEFY-P96NMHU-E
Serial Number: N/A

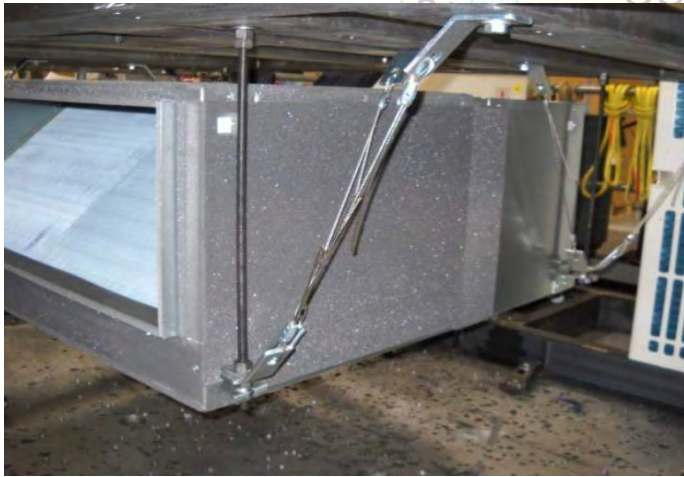
Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.37	0	1.5	3.20	2.40	1.58	0.63

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
44.1	49.2	18.2	221

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Heat Exchanger	R61 Y38 483
Fan Motor	R61 Y47 221
PCA Control	R61 181 280

UUT ceiling suspended with four (4) 3/8"∅ rods with stiffeners. Each corner had two (2) 1/8"∅ cable braces (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 22

Test Report# Q0028.00 (UUT-3)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type A/C Units
Model Number: PEFY-AF1200CFMR
Serial Number: N/A

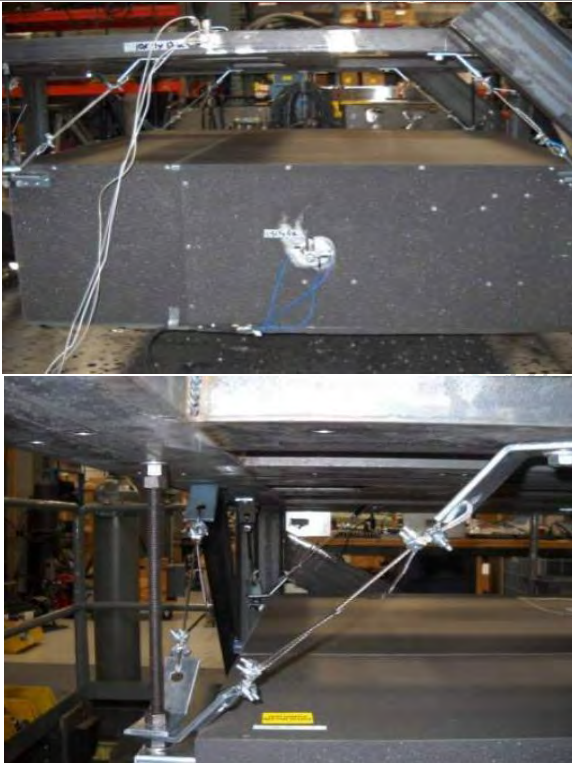
Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.11	0	1.5	3.20	2.40	1.58	0.63

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
55.1	49.3	18.6	309

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



UUT ceiling suspended with four (4) 1/2"Ø rods with stiffeners. Each corner had two (2) 1/8"Ø cable braces (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Part No.
Heat Exchanger	R61 326 480
Heat Exchanger Re-heat	R61 327 480
Fan Motor	R61 205 220
Line Flow Fan	R61 022 114
PCA Board	R61 023 114
	R61 026 280

UUT 23

Test Report# Q1619.0 (UUT-19)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: PVFY-P12NAMU-E
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.85	1	1.5	4.56	3.42	2.10	0.84
3.15	0					

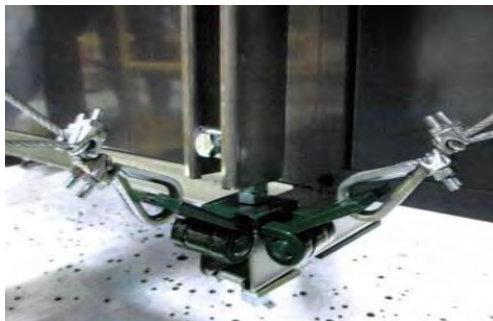
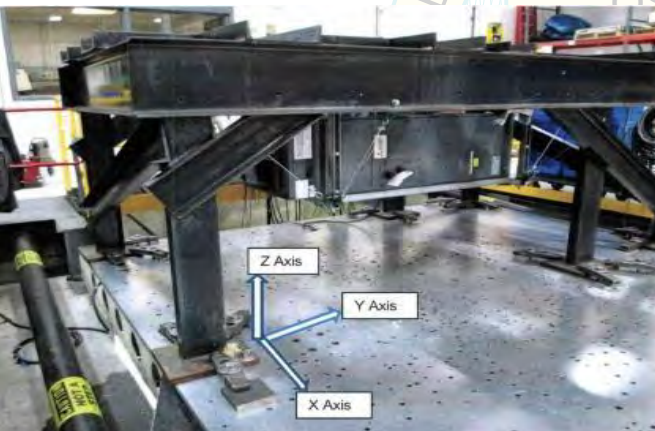
Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
21.6	50.3	17.0	117

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:

List of Included Subcomponents



P1000 Unistruct platform with P1356 fittings was ceiling suspended with 3/8" Ø hanger rods and (2) 1/8" Ø cable braces per corner (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Part No.
Electric Heater	EH05-MPA-S
Heat Exchanger	U41 011 480
Fan Motor	U41 003 128
Fan Case	U41 008 129
PCA Assy.	U41 007 280
PCA Power	U41 001 281

UUT 24

Test Report# Q1619.00 (UUT-20)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type A/C Units
Model Number: PVFY-P54AMUE-E
Serial Number: N/A

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.85	1		4.56	3.42	2.10	0.84
3.15	0	1.5				

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
59.9	25.0	21.6	227

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

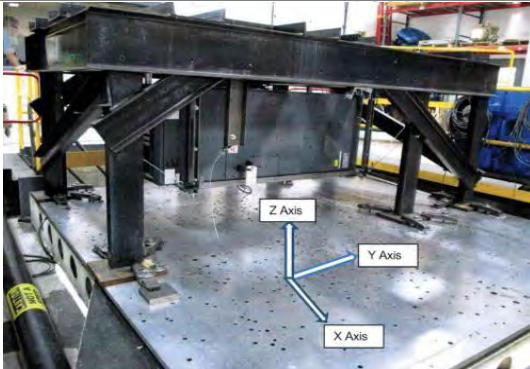
Test Criteria

ICC-ES AC156

Construction/Option Summary

Galvanized steel

UUT Mounting Details:



P1000 Unistruct platform with P1356 fittings was ceiling suspended with 3/8" ø hanger rods and (2) 1/8" ø cable braces per corner (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Electric Heater	E17-MPAS-L
Heat Exchanger	U41 014 480
Fan Motor	U41 005 128
Fan Case	U41 010 129
PCA ASSY.	U41 007 280
PCA Power	U41 003 281

UUT 25

Test Report# Q0028.00 (UUT-9)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Units
Model Number: CMB-P105NU-G
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.74	0.7
2.6	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
17.0	25.6	11.2	72

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Linear Expansion Valve	R63 R23 401
Solenoid Valve Coil	R61 2A1 243
Solenoid Valve	R63 4F3 232
Solenoid Valve	R63 Yo7 232
Control Board	R63 044 280
Relay Board ASSY.	R63 M82 280

Suspended with 1/2" ∅ hanger rods and (2) 1/8" ∅ cable braces per corner (8 total).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 29

Test Report# Q1619.0 (UUT-24)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PQRY-P72TLMU-A
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.75	1	1.5	4.40	3.30	2.10	0.84
3.15	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
21.7	34.7	43.3	380

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	26.2	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Galvanized steel

UUT Mounting Details:



Unit base mounted - rigid with four (4) 3/8" A307 bolts with flat and lock washers (tightened snug tight).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Scroll Compressor	R69 130 478
Heat Exchanger	R61 987 480
INV Heat Exchanger Assy.	R61 928 480
Accumulator Assy.	R61 127 484
Four Way Valve	R61 013 403
Control Board	R61 358 280
INV Board	R61 353 280

UUT 30

Test Report# Q1619.0 (UUT-25)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PQHY-P240YLMU-A
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.60	1		4.16	3.12	1.90	0.76
2.85	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
21.7	34.7	57.1	574

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.8	31.2	14.6

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Galvanized steel

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Scroll Compressor	R69 133 478
Heat Exchanger	R61 991 480
INV Heat Exchanger Assy.	R61 928 480
Accumulator Assy.	R61 125 484
Four Way Valve	R61 013 403
Control Board	R61 340 280
INV Board	R61 372 280

UUT base mounted - rigid with four (4) 1/2" A307 bolts, flat washer, and lock washer (tightened snug tight).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 31

Test Report# Q1619. (UTT-22)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PUHY-P72TLMU-A
Serial Number: N/A

Highest Passed Test Level						
S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.75	1		4.40	3.30	2.00	0.84
3.15	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.2	36.3	64.9	435

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
6.8	>33.3	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Carbon steel

UUT Mounting Details:



Base mounted - rigid with four (4) 1/2" A307 bolts, flat washer, and lock washer.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Compressor	R69 126 478
Heat Exchanger	R61 929 480
Fan Motor	R61 267 220
Accumulator	R61 041 484
Reversing Valve (2)	R61 013 403
PC Board Mat'l	R61 342 280

Pre No. CC231014-01-R1

UUT 32

Test Report# Q1619.0 (UUT-23)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PURY-P168YLMU-A
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.75	1		4.40	3.30	2.10	0.84
3.15	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.2	65.0	68.9	702

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	6.0	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Carbon steel

UUT Mounting Details:



UUT base mounted - rigid with six (6) 1/2" ø A307 bolts with 1.063" OD flat and lock washers (tightened snug tight).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Compressor	R69 118 478
Heat Exchanger	R61 937 480
Heat Exchanger	R61 939 480
Fan Motor (2)	R61 268 220
Accumulator	R61 089 484
Reversing Valve (2)	R61 013 403
PC Board Mat'l	R61 354 280

UUT 33

Test Report# 15373, Rev.1

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PURY-EP168TNU-A
Serial Number: 83W00017

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29	69	72	741

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
8.3	5.8	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel

UUT Mounting Details: List of Included Subcomponents



Description	Part No.
Compressor	R69 169 478
Heat Exchanger Kit	KS00R752
Fan Motor Right	R61 378 220
Fan Motor Left	R61 380 220
Accumulator	KD54B568
Fan	R61 047 114

UUT 33 was base mounted rigid with six (6) 1/2"-13 grade 8 bolts with flat washers.
 Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 34

Test Report# 15373, Rev.1

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & City Multi Outdoor Units
Model Number: PUHY-EP-192TNU-A
Serial Number: 93P00001

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.2	2.4	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.0	69.0	72.0	744.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
8.10	5.99	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Compressor	E27 R37 900
Heat Exchanger	KD00B670
Fan Motor Right	E27 J44 301
Fan Motor Left	E27 J50 301
Accumulator	KD54B612
Reversing Valve	E27 R17 961
Reversing Valve	E27 R22 961
Reversing Valve	E27 R27 961
PC Board Mat'l	E27 R13 450

UUT 34 was base mounted rigid with six (6) 1/2"-13 grade 8 bolts with flat washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 35

Test Report# 15373, Rev.1

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: CMB-P104NU-J1
Serial Number: 83W00016

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.2	2.4	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
16.0	25.0	10.0	56

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel



UUT Mounting Details:

Ceiling suspended rigid using (4) 3/8" ø A307 hanger rods w/ rod stiffeners (Drop=16-20"), (4) 3/32" ø diagonal cable braces w/ Mason SCB 0/SCBH-0 clips, (12) 3/8" nuts, (8) 3/8" square washers provide by manufacturer in mounting kit.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents	
Description	Part No.
Linera Expansion Valve	R61 107 401
Solenoid Valve	R61 052 243
Solenoid Valve	R61 053 243
Solenoid Valve	R61 067 243
Board Assembly	R61 527 280

UUT 37

Test Report# 15373, Rev.1

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: PCA-A42KA7
Serial Number: 8YM00587

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
26.8	63.0	9.1	87.5

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Carbon steel and plastic

UUT Mounting Details:



List of Included Subcomponents

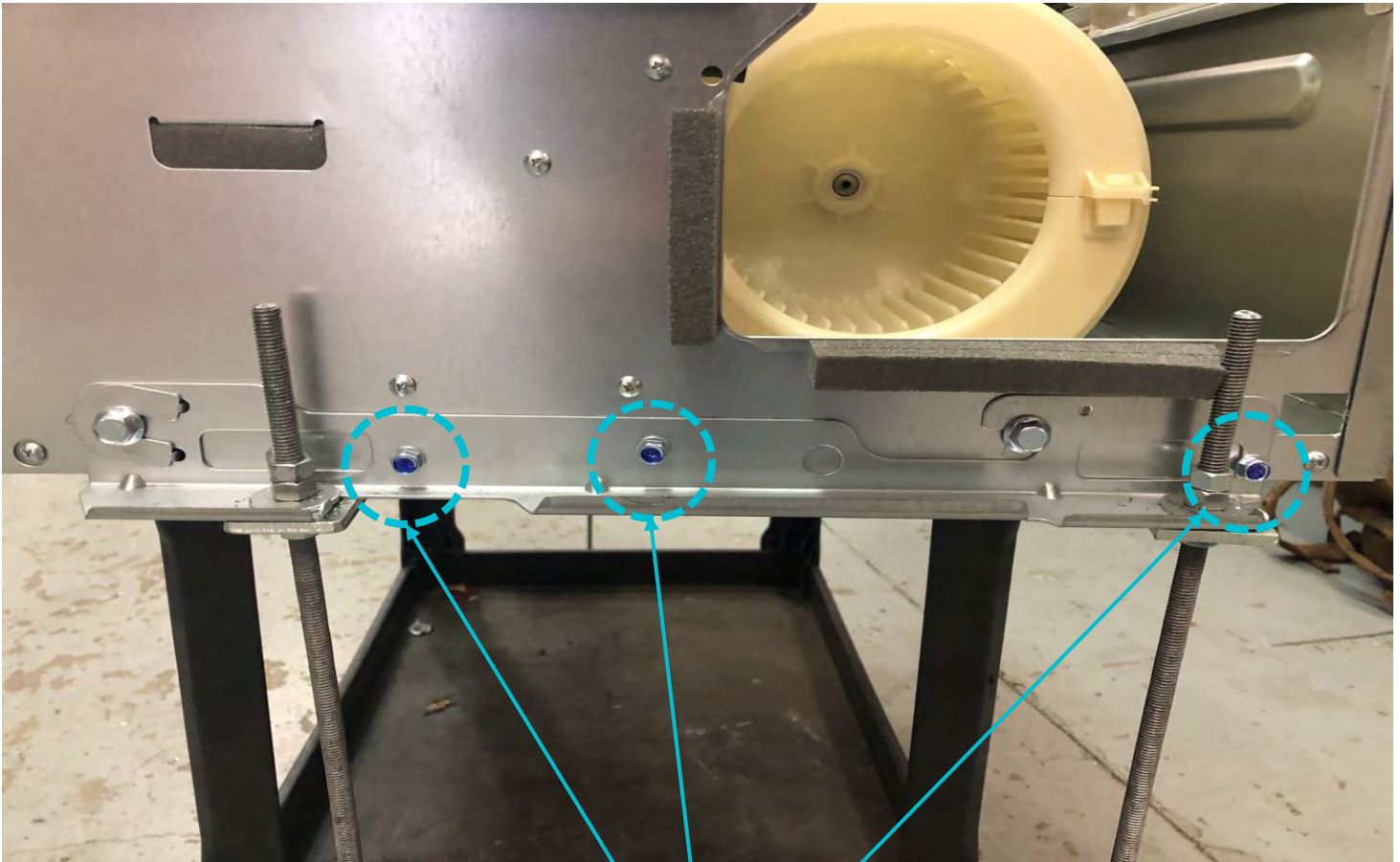
Description	Part No.
Control Board	E17 D87 447
Heat Exchanger	E17 782 620
Sirocco Fan	E17 648 500
	E17 648 500
Fan Case	E17 648 237
Fan Motor	E17 649 300
Terminal Block	E17 516 375
	E17 162 375

Ceiling suspended rigid using (4) 3/8" A307 hanger rods w/ rod stiffeners (Drop=16-20"), (4) 3/32" diagonal cable braces w/ Mason SC 0/SCBH-0 clips, (12) 3/8" nuts, (4) 3/8" square washers and (4) 3/8" round flat washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 37

Test Report# 15373, Rev.1



1/4" -14X x 3/4" Self-tapping screws

Three (3)1/4"-14X 3/4" hex head integral washer self tapping screws were added to each mounting bracket as shown in the above image.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 38

Test Report# 2000559-TR-001-R0(UUT1)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: PURY-EP240TNU-A
Serial Number: 04W00025

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.9	68.9	71.6	872.5

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
5.39	22.58	>33.3

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Carbon steel and plastic

UUT Mounting Details:



UUT base mounted - rigid with six (6) 3/8" Grade 8 bolts with washers and torqued to 25 ft-lbs. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Compressor	R69 200 478
Heat Exchanger	R61 K06 480
Heat Exchanger	R61 K07 480
Heat Exchanger	R61 K08 480
Fan Motor Right	R61 378 220
Fan Motor Left	R61 380 220
Accumulator	R61 196 484
4-way valve	R61 033 403
Control Board	R61 587 280
Fan	R61 047 114

UUT 39

Test Report# 2000559-TR-001-R0(UUT2)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: PUHY-EP240YNU-A
Serial Number: 9YW00008

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.3	68.9	71.6	887

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.88	8.06	12.58

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Carbon steel and plastic

UUT Mounting Details:



UUT base mounted - rigid with six (6) 3/8" Grade 8 bolts with washers and torqued to 25 ft-lbs. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Part No.
Compressor	R69 200 478
Heat Exchanger	R61 K06 480
Heat Exchanger	R61 K07 480
Heat Exchanger	R61 K08 480
Fan Motor	R61 353 220 (left)
Fan Motor	R61 349 220 (right)
Accumulator	R61 194 484
4-Way Valve	R61 032 403
Fan	R61 047 114
Control Box	R61 E57 305

**SPECIAL SEISMIC CERTIFICATION
UUT SUMMARY**

UUT 41

Test Report# 2000559-TR-001-R0
(UUT4)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: TPKFY-P018LM140A
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.5	0	1.5	3.20	2.40	1.67	0.67

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
9.3	35.4	11.8	28

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel and plastic

UUT Mounting Details: List of Included Subcomponents



UUT wall mounted - rigid with six (8) #10 self tapping screws. Wall unit attaches to mounting plate shown in above in the bottom image.

Locations of these screws are highlighted in the same image.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Part No.
Line Flow Fan	E27 P68 302
Fan Motor	E27 P63 333
Vane Motor (Upper)	E27 103 303
Vane Motor (Lower)	E27 Y54 303
Contoller Board	E27 Y99 447
Indoor Heat Exchanger	E27 03A 620
Linear Expansion Valve	E27 P64 640

UUT 42

Test Report# 2000559-TR-001-R0(UUT5)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type & S-Type AC Units
Model Number: TUMYH0361AK41NA
Serial Number: 14U0017377SM77

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13.0	41.3	52.7	276.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.61	4.49	12.03

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel and plastic

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Part No.
Compressor	T97 443 077
Heat Exchanger	R01 R65 408
Fan Motor (2)	T7W A10 221
Propeller Fan	R01 E16 115
Accumulator	R01 E810 440
4 - way Valve	R01 E40 403
Control Board	R01 M03 350
Coil	R01 H48 242

UUT base mounted - rigid with four (4) 3/8" Grade 8 bolts with respective washers torque to 25 ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Modifications



UUT 43

Test Report#

2000667-TR-001-R0
(UUT43)

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: MXZ-SM120TAM
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
18.0	41.0	65.3	431

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
4.37	6.74	30.96

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel frame and enclosure

UUT Mounting Details: List of Included Subcomponents



UUT 43 was base mounted - rigid using four (4) 3/8" grade 8 bolts and washers. Two (2) mounting brackets on the condenser side; torqued to 25ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the

Description	Part No.
Compressor	E27 68P 900
Upper Fan Motor	E27 68P 301
Lower Fan Motor	E27 68P 301
Power PCB	E27 68P 440
Control PCB	E27 68P 450
Inverter PCB	E27 68P 456
Reactor	E27 68P 337
Terminal Block	E27 68P 374
Solenoid Coil	E27 69P 490
	E27 70P 490
Outdoor Coil	E27 68P 630
	E27 69P 630
Expansion Valve Coil	E27 W53 493
	E27 W54 493
Reversing Valve	E27 68P 490

UUT 44

Test Report# TR231014-01-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: QAHV-N136TAU-HPB-BS
Serial Number: 26W00070

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
48.1	29.9	70	889.5

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.8	9.5	39.2

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



UUT mounted to fixture on shake table with four (4) Grade 8 5/8" bolts with washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Part No.
Compressor	R69 218 478
Fan Motor	R61 201 220
Fan	R61 001 300
Heat Exchanger	R63 033 105
Pump	R12 007 291
	R12 006 920
	R12 020 921
	R12 021 921
Solenoid Coil	R12 022 921
	R12 018 921
	KC78S190G01
Linear Expansion Valve	R12 005 920
Expansion Valve	R63 001 920
Control Board	R12 049 937
Inverter Board	R12 051 937
	R12 052 937

UUT 45

Test Report# TR231014-01-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: QAHV-N136YAU-HPB-BS
Serial Number: 21W00006

Highest Passed Test Level						
S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
48.1	29.9	70	931

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.5	9	19.2

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



UUT mounted to fixture on shake table with four (4) Grade 8 5/8" bolts with washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Part No.
Compressor	R69 143 478
Fan Motor	R61 167 220
Fan	R61 001 300
Heat Exchanger	R63 033 105
Pump	R12 007 291
	R12 006 920
	R12 019 921
	R12 016 921
Solenoid Coil	R12 017 921
	R12 018 921
	KC78S190G01
Linear Expansion Valve	R12 005 920
Expansion Valve	R63 001 920
Control Board	R12 049 937
	R12 065 937
Inverter Board	R12 066 937

UUT 46

Test Report# TR231014-01-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: TCMBM0108VA11N4
Serial Number: 21W000037GGU05

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
59.9	24.3	11.1	204

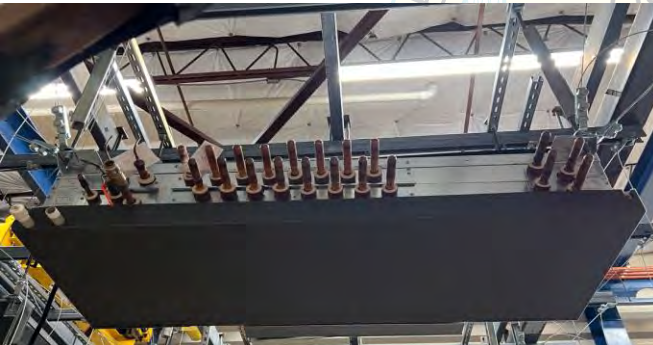
Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Carbon steel

UUT Mounting Details:



Unit mounted with four(4) 1/2" threaded rod, stiffeners, channel washers, nuts and Mason SCB/SCBH-1 Braces (8).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the

List of Included Subcomponents

Description	Part No.
Linear Expansion Valve	R61 107 401
Solenoid Valve	R63 4F3 232
Four Way Valve	R61 014 403
Pump	R61 019 539
Solenoid Coil	R61 100 243
Solenoid Coil	R61 101 243
Solenoid Coil	R61 102 243
Solenoid Coil	R61 076 243
Solenoid Coil	R61 040 243
Plate Heat Ex.	R61 L89 480
Plate Heat Ex.	R61 M18 480
Valve Block Assembly	R61 033 538
Valve Block Assembly	R61 034 538
Valve Block Assembly	R61 035 538
Valve Block Assembly	R61 036 538

Model Branding Note: Trane branded unit tested TCMBM0108VA11N4. Identical unit branded Mistubishi model number is CMB-WP108NU-AA. See Table 4 for all alternate branding model numbers.

UUT 47

Test Report# TR231014-01-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: CMB-WP1016NU-AA
Serial Number: 21W00004

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.67	0.67
2.5	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
70	24.3	11	236

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	Carbon steel

UUT Mounting Details: List of Included Subcomponents



Description	Part No.
Linear Expansion Valve	R61 107 401
Solenoid Valve	R63 4F3 232
Four Way Valve	R61 014 403
Pump	R61 019 539
Solenoid Coil	R61 100 243
Solenoid Coil	R61 101 243
Solenoid Coil	R61 102 243
Solenoid Coil	R61 076 243
Solenoid Coil	R61 040 243
Plate Heat Ex.	R61 L89 480
Plate Heat Ex.	R61 M18 480
Valve Block Assembly	R61 033 538
Valve Block Assembly	R61 034 538
Valve Block Assembly	R61 035 538
Valve Block Assembly	R61 036 538

Unit mounted with four (4) 1/2" threaded rod, stiffeners, channel washers, nuts and Mason SCB/SCBH-1 Braces (8).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC231014-01-R1

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 48

Test Report# TR231014-01-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: PEFY-WL06NMAU-A
Serial Number: 33R00037

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.5	0	1.5	3.20	2.40	1.67	0.67

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
28.8	27.6	9.8	47.5

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

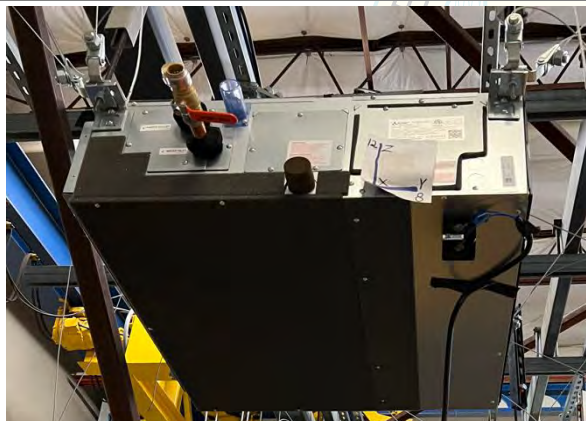
Test Criteria

ICC-ES AC156

Construction/Option Summary

Carbon steel

UUT Mounting Details:



Unit mounted four (4) 3/8" threaded rod, stiffeners, channel washers, nuts and Mason SCB/SCBH-0 Braces (8).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the

List of Included Subcomponents

Description

Part No.

Heat Exchanger	U41 045 480
Pump	U41 002 539
Fan Motor	U41 007 220
Sirocco Fan Assembly	U41 003 114
PCA Board	U41 011 280

Pre No. CC231014-01-R1

UUT 49

Test Report# TR231014-02-R0

Manufacturer: Mitsubishi Electric Corporation
Model Line: P-Type, S-Type & City Multi Outdoor
Model Number: PEFY-WL48NMAU-A
Serial Number: 36R00027

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1	1.5	3.20	2.40	1.67	0.67
2.5	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
28.8	63	9.8	96

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

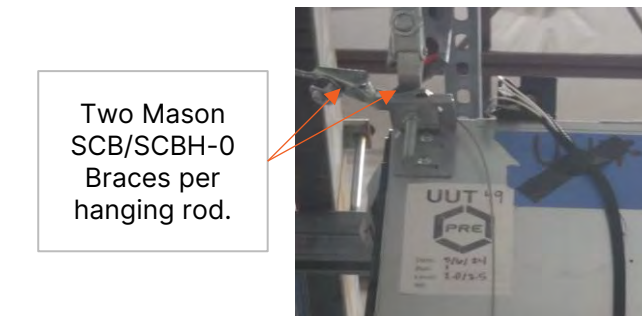
Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Carbon Steel

UUT Mounting Details:

List of Included Subcomponents



Two Mason SCB/SCBH-0 Braces per hanging rod.

Description	Part No.
Heat Exchanger	U41 050 480
Pump	U41 002 539
Fan Motor	U41 008 220
Sirocco Fan Assembly	U41 003 114
PCA Board	U41 011 280

Unit mounted four (4) 3/8" threaded rod, stiffeners, channel washers, nuts and Mason SCB/SCBH-0 Braces (8).

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the