

Job Name:

Schedule Reference:

Site:

**GENERAL FEATURES**

- Multi-position design is suitable for any application requires no additional kits, even for downflow configuration
- Dual set point functionality (\*1)
- Designed specifically for use with CITY MULTI outdoor units
- Choice of three fan speeds for optimum comfort
- Highly efficient DC motor and a forward curved blower ensures quiet, consistent fan operation
- Control board includes a condensate overflow switch connection
- Heavy-gauge steel cabinets with 1" fiberglass-free foam insulation with an R-4.2 insulation value
- Suitable for use in air handling spaces in accordance with Section 18.2 of UL 1995 4th Edition
- Tested in accordance with ANSI/ASHRAE Standard 193; less than 1% air leakage at maximum airflow
- IT Terminal Plug
- Variable speed motor

**ACCESSORIES:**

External Heating Adapter .....PAC-YU25HT  
 Electric Heat Kit .....see SB\_EH\_MVZ\_PVA\_PVFY\_SVZ

**NOTE:**

1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project; and (B) implementation of any countermeasures needed to address those parameters and requirements, including the provision of antifreeze solution in water based systems used in conjunction with ducted indoor units.
2. All components of the system must be compatible. For more details on system control compatibility, please refer to Technical Bulletin 100-151 available on our website.
3. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

**SPECIFICATIONS:**

Capacity*		
Cooling	Btu/h	18,000
Heating	Btu/h	20,000

\* Cooling / Heating capacity indicated at the maximum value at operation under the following conditions:

Cooling | Indoor : 80° F (27° C) DB / 67° F (19° C) WB

Cooling | Outdoor : 95° F (35° C) DB

Heating | Indoor : 70° F (21° C) DB

Heating | Outdoor : 47° F (8° C) DB / 43° F (6° C) WB

**Electrical**

Electrical Power Requirements	1-phase, 208 / 230V, 60Hz	
Minimum Circuit Ampacity (MCA) **	A	3.00 / 3.00
Maximum Fuse Size	A	15

\*\* All electrical work shall comply with National (CEC) and local codes and regulations.

**External Dimensions**

Height	In.(mm)	50-1/4 (1,275)
Width	In.(mm)	17 (432)
Depth	In.(mm)	21-5/8 (548)

Net Weight	Lbs.(kg)	113 (51)
External Finish	High-gloss polyester powder coated	
Coil Type	Cross Fin (Aluminum Plate Fin and Copper Tube)	

**Fan**

Type x Quantity	Sirocco fan x 1	
Airflow rate (Low - Mid - High)	CFM	410 - 497 - 585
External Static Pressure	In. WG	0.30 / 0.50 / 0.80 (Selectable)
Motor Type	DC motor	

Air Filter	Polypropylene Honeycomb	
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**Refrigerant Piping Diameter**

Liquid (High Pressure)	In.(mm)	1/4 (6.35) Braze
Gas (Low Pressure)	In.(mm)	1/2 (12.7) Braze
Field Drain Pipe Size	In.(mm)	FPT 3/4 (19.05)

**Sound Data (Low - Mid - High)  
(measured in anechoic room)**

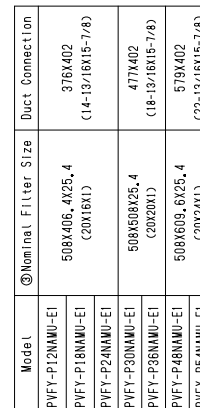
Sound Pressure Level	dB(A)	28 - 32 - 36
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Note:

Ventilation air to be introduced independent of or in series with VRF indoor units.  
 Please refer to local codes for the required ventilation rates specific to the application.

Notes:

## Units: mm (in.)



Model	A	B	C	D	E	F	G	H	J	① Gas pipe	② Liquid pipe
PVFY-P12NMU-E1	432	376	281	224	1275	680	823	735.5	360	① 12.7 (1/2)	② 16.35 (1/4)
PVFY-P16NMU-E1	(17)	(14-13/16)	(11-1/8)	(8-7/8)	(50-1/4)	(26-13/16)	(32-7/16)	(29)	(14-3/16)		
PVFY-P24NMU-E1											
PVFY-P30NMU-E1	534	477	382.6	266.5	1378	737	953.5	792	461	① 15.88 (5/8)	② 19.52 (3/8)
PVFY-P36NMU-E1	(21)	(18-13/16)	(15-1/8)	(10-1/2)	(54-1/4)	(29-1/16)	(37-9/16)	(31-3/16)	(18-3/16)		
PVFY-P48NMU-E1	635	579	484.6	317.5	1511	798.5	1053	853.5	563		
PVFY-P54NMU-E1	(25)	(22-13/16)	(19-1/8)	(12-1/2)	(58-1/2)	(31-7/16)	(41-1/2)	(33-5/8)	(22-3/16)		

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## Intertek

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## Heating and Cooling