CITYMULTI®

PVFY-P48NAMU-E1
4-TON MULTI-POSITION AIR HANDLER INDOOR UNIT

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

Job Name:

System Reference: Date:

GENERAL FEATURES

- Multi-position design is suitable for any application requires no additional kits, even for downflow configuration
- Highly efficient DC motor and a forward curved blower ensures quiet, consistent fan operation
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 1.0% at 1.0 In.WG (Tested per ASHRAE Standard 193)
- Unique blow through design allows simple coil cleaning when the blower is removed
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control

Specifications			System
Unit Type			PVFY-P48NAMU-E1
Cooling capacity (Nominal)[1]		BTU/H	48,000
Heating capacity (Nominal)[1]		BTU/H	54,000
Power source		Voltage, Phase, Hertz	208/230V, 1-phase, 60 Hz
MCA		A	5.63
Maximum Overcurrent Protection (MOCP)		A	15
External finish			High-gloss polyester powder coated
External Dimensions		In. [mm]	25 x 21-5/8 x 59-1/2 [635 x 548 x 1,511]
Net weight		Lbs [kg]	172 [78]
Heat exchanger			Cross fin (Aluminum fin and copper tube)
Fan	Type x quantity		Sirocco fan x 1
	External Static pressure	in.WG	0.30, 0.5, 0.8,
	Airflow rate	CFM	980–1,190–1,400
	Motor type		DC motor
Sound pressure level (Measured in anechoic room)		dB(A)	35–39–43
Air filter			Polypropylene Honeycomb
Refrigerant	Type		R410A
Diameter of refrigerant pipe (O.D.)	Liquid (High Pressure)	In. [mm]	3/8 [9.52] Brazed
	Gas (Low Pressure)	In. [mm]	5/8 [15.88] Brazed
Diameter of drain pipe		In. [mm]	FPT 3/4 [19.05]

NOTES:
Cooling | Indoor: 81° F (27° C) DB / 66° F (19°C) WB; Outdoor 95° F (35° C) DB
Heating | Indoor: 68° F (20° C) DB; Outdoor 45° F (7° C) DB / 43° F (6° C) WB

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INDOOR UNIT ACCESSORIES: PVFY-P48NAMU-E1

Control Interface	Backup Heat Relay Kit Adapter for CN24 or CN152 on ducted models	☐ CN24RELAY-KIT-CM3
	IT Extender for kumo station™	☐ PAC-WHS01IE-E
	kumo station™ for kumo cloud®	☐ PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
Remote Sensor	Flush Mount Remote Temperature Sensor for SEZ, SLZ, SVZ and all P-Series models	☐ PAC-USSEN002-FM-1
	Wall Mount Remote Temperature Sensor	☐ PAC-SE41TS-E
Terminal Signal Adapter	CN105 Adapter for older models without a CN105 connector	☐ PAC-IT52AD-E
	CN105 Wire Harness Adapter for CN51	☐ PAC-IT51AD-E
Wired Remote Controller	Simple Ductless Wired Remote Controller	☐ PAC-SDW01RC-1
	Simple MA Remote Controller	☐ PAC-YT53CRAU-J
	Smart ME Remote Controller	☐ PAR-U01MEDU-K
	Touch MA Wired Remote Controller	☐ PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller & Receiver kit	☐ MHK2
	Universal Wireless MA Handheld Remote Controller	☐ PAR-FL32MA-E
	Universal Wireless Receiver for PAR-FL32MA-E	☐ PAR-FA32MA-W
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	☐ X87-721
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	☐ X87-835
	Blue Diamond MultiTank — collection tank for use with multiple pumps	☐ C21-014
	Blue Diamond Sensor Extension Cable — 15 Ft.	☐ C13-103
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	☐ COMBI
	Sauermann Condensate Pump	☐ SI30-230
Electric Heat Lockout	Electric Heat Lockout	☐ ETC-211020-MIT
Electric Kit Heats	10kW Electric Heater	☐ EH10-MPA-LB
	15kW Electric Heater	☐ EH15-MPAS-LB
	17kW Electric Heater	☐ EH17-MPAS-LB
Lineset		☐ Lineset 3/8x5/8

NOTES:
**High efficiency filter requires use of multi-function casement: PAC-SJ41TM-E

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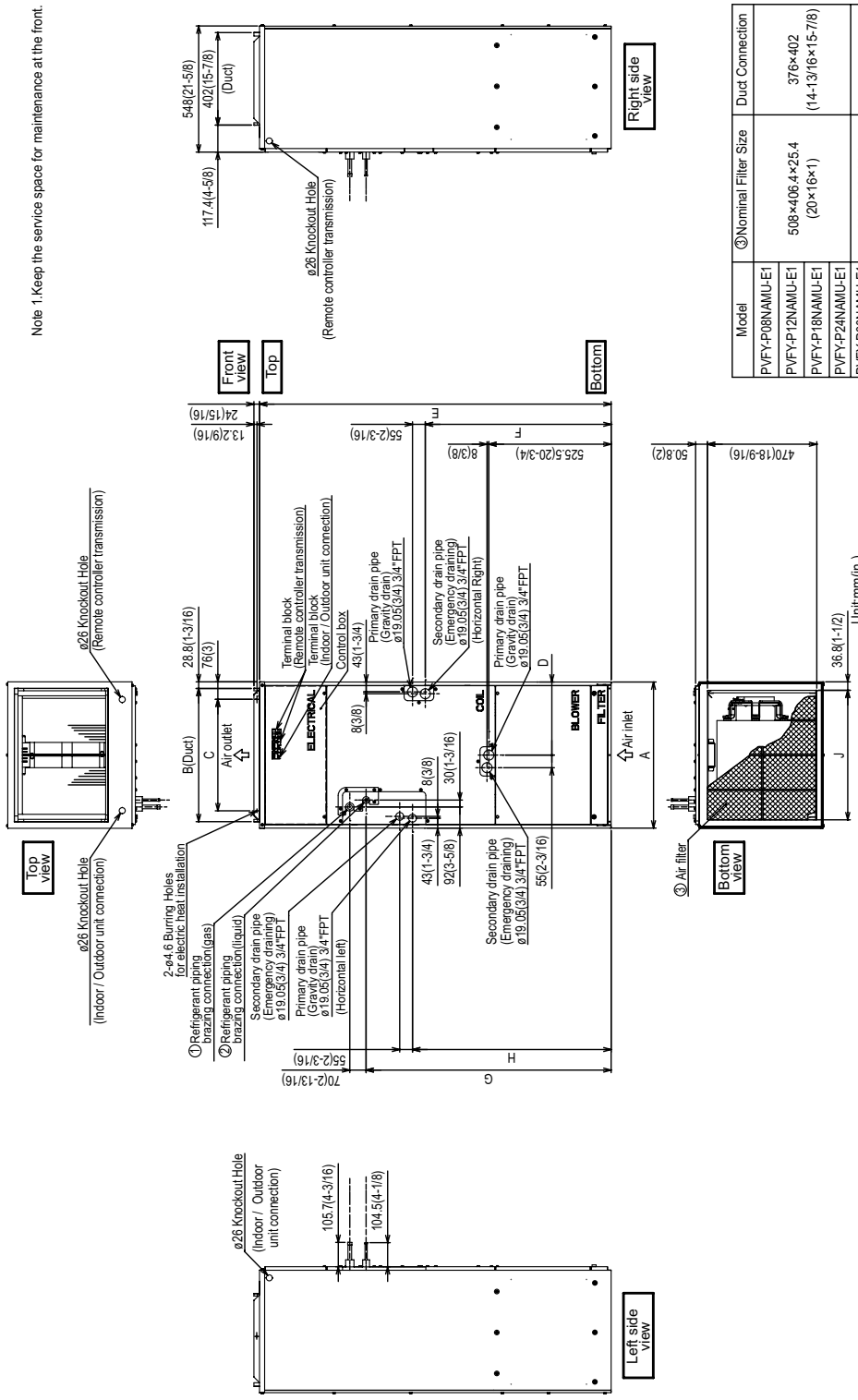
INDOOR UNIT DIMENSIONS: PVFY-P48NAMU-E1

Unit: mm (in.)



Model	③Nominal Filter Size	Duct Connection
PVFY-P08NAMU-E1	508×406.4×25.4 (20×16×1)	376×402 (14-13/16×15-7/8)
PVFY-P12NAMU-E1		
PVFY-P18NAMU-E1		
PVFY-P24NAMU-E1		
PVFY-P30NAMU-E1	508×508×25.4 (20×20×1)	477×402 (18-13/16×15-7/8)
PVFY-P36NAMU-E1		
PVFY-P48NAMU-E1	508×609.6×25.4 (20×24×1)	579×402 (22-13/16×15-7/8)
PVFY-P54NAMU-E1		

Model	A	B	C	D	E	F	G	H	J	①Gas pipe	②Liquid pipe
PVFY-P08NAMU-E1	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1275 (50-1/4)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	ø12.7 (1/2)	ø6.35 (1/4)
PVFY-P12NAMU-E1											
PVFY-P18NAMU-E1											
PVFY-P24NAMU-E1											
PVFY-P30NAMU-E1	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)	1378 (54-1/4)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)	ø15.88 (5/8)	ø9.52 (3/8)
PVFY-P36NAMU-E1											
PVFY-P48NAMU-E1	635 (25)	579 (22-13/16)	484.6 (19-1/8)	317.5 (12-1/2)	1511 (59-1/2)	798.5 (31-7/16)	1053 (41-1/2)	853.5 (33-5/8)	563 (22-3/16)		

Unit:mm(in.)

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Specifications are subject to change without notice.

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