CITYMULTI®

PEFY-WL48NMAU-A
BTU/H MEDIUM STATIC HVRF DUCTED

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

Job Name:
System Reference: Date:

GENERAL FEATURES

- Dual set point functionality
- Multiple fan speed settings
- Auto fan mode
- 9-7/8” (250mm) high for low ceiling heights
- uilt-in condensate lift; lifts to 27-9/16” (700 mm)
- Ducted fan coil supporting multiple configurations for flexible installation
- Hydronic based indoor coil
- Built-in Manual Air Vent

Specifications			System
Unit Type			PEFY-WL48NMAU-A
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
Power Consumption	Cooling	kW	0.252
	Heating	kW	0.250
Current	Cooling	A	2.29/2.07
	Heating	A	2.29/2.07
MCA		A	4.38/4.38
Maximum Overcurrent Protection (MOCP)		A	15
Recommended Fuse Size		A	15
External finish			Galvanized Steel Plate
External Dimensions		In. [mm]	63 x 28-7/8 x 9-7/8 [1,600 x 732 x 250]
Net weight		Lbs [kg]	91 [41]
Heat exchanger			Cross fin (Aluminum fin and copper tube)
Fan	Type x quantity		Sirocco fan x 3
	External Static pressure	in.WG	Selectable; 0.14, 0.2, 0.28, 0.4, 0.6 In. WG; factory set to Factory set to 0.2 In. WG
	Airflow rate	CFM	989–1,201–1,413
	Motor type		DC brushless motor
	Motor Output	kW	0.3
	Motor FLA	A	1.4
Sound pressure level (Measured in anechoic room)		dB(A)	34–38–42
Air filter			PP Honeycomb fabric (washable)
Diameter of drain pipe		In. [mm]	O.D. 1-1/4 [32]
Drain lift mechanism		In. [mm]	27-9/16 [700]
Connectable HBC Controller			CMB-WP-NU-AA, CMB-WP-NU-AB
Design Pressure		PSI (Mpa)	145/1
Diameter of Water Pipe Connections (O.D.)	Supply Connection (O.D.)	mm	22
	Return Connection (O.D.)	mm	22
Water Volume		Gallons (Liters)	0.977 (3.7)

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: PEFY-WL48NMAU-A

Control Interface	Deluxe Wired MA Remote Controller	☐ PAR-41MAAU
Wired Remote Controller	Simple MA Remote Controller†	☐ PAC-YT53CRAU-J
	Smart ME Remote Controller - Backlit touchscreen	☐ PAR-U01MEDU-K
	Touch MA Controller†	☐ PAR-CT01MAU-SB
Wireless Remote Controller	Wireless MA Remote Controller	☐ PAR-FL32MA-E
	Wireless Remote Contoller	☐ PAR-SL101A-E
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 Alarm Extension Cable—6.5 Ft.	☐ C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	☐ C21-014
	Blue Diamond Sensor Extension Cable — 15 Ft.	☐ C13-103
	Drain Pan Level Sensor/Control	☐ SS610E
	Sauermann Condensate Pump	☐ SI30-230
Control Interface	3-Pin Connector	☐ PAC-715AD
	CN24 Relay Kit	☐ CN24RELAY-KIT-CM3
	Connector and wire for Operation status/error using CN51	☐ PAC-725AD
Disconnect Switch	(30A/600V/UL) [fits 2” X 4” utility box] - White	☐ TAZ-MS303W
Filter Box	Filter Box with MERV 13 Filter	☐ FBM2-5-A
HBC Controller	Hybrid VRF Main BC 16 Port	☐ CMB-WP1016NU-AA
	Hybrid VRF Main BC 8 Port	☐ CMB-WP108NU-AA
	Hybrid VRF Sub BC 16 Port	☐ CMB-WP1016NU-AB
	Hybrid VRF Sub BC 8 Port	☐ CMB-WP108NU-AB
HVRF Accessories	(2x) Isolation Ball Valve and (2x) 22mm Compression Fitting	☐ KIT2-NA10883-CAL
	25mm Isoflow Multi, 25m Coil w/ 1” Titan	☐ 13630061001-REH
	25mm PVDF SDR11 Sleeve (Box QTY 50)	☐ 11803271001-REH
	25mm SDR11 Coupling (Bag QTY 10)	☐ 11690101001-REH
	25mm SDR11 Elbow (Bag QTY 10)	☐ 11691261001-REH
	25mm SDR11 x 3/4” FPT Fitting (Bag QTY 1)	☐ 15012451001-REH
	25mm SDR11 x 3/4” MPT Fitting(Bag QTY 10)	☐ 15012461001-REH
	25mm x 25mm x 25mm SDR11 Tee(Bag QTY 10)	☐ 11690561001-REH
	25mm x 25mm x 25mm SDR11 Tee(Bag QTY 10)	☐ 15012471001-REH
	40mm Isoflow Multi, 5m Stick w/ 1.5” Titan	☐ 13630071001-REH
	40mm PVDF SDR11 Sleeve (Box QTY 25)	☐ 11803291001-REH
	40mm SDR11 Coupling (Bag QTY 5)	☐ 11690151001-REH
	40mm SDR11 Elbow (Box QTY 1)	☐ 11691301001-REH
	40mm SDR11 x 3/4” MPT Fitting (Box QTY 1)	☐ 15012481001-REH
	40mm x 40mm x 25mm SDR11 Tee (Bag QTY 1)	☐ 11690691001-REH
	Compact Discal AAV w/ Hydroscopic Cap and Drain Plug	☐ KIT3-NA10884-CAL
	Copper Press Tailpieces (3/4”)	☐ KIT5-NA10881-CAL
	Drain Valve w/ Brass NPT T-Fitting	☐ KIT4-NA10885-CAL
	RAUTOOL A-Light2 Kombi Tool KIT	☐ 11094491001-REH

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INDOOR UNIT DIMENSIONS: PEFY-WL48NMAU-A

PEFY-WL06, 08, 12, 15, 18, 24, 27, 30, 36, 48NMAU-A

Unit: mm (in.)

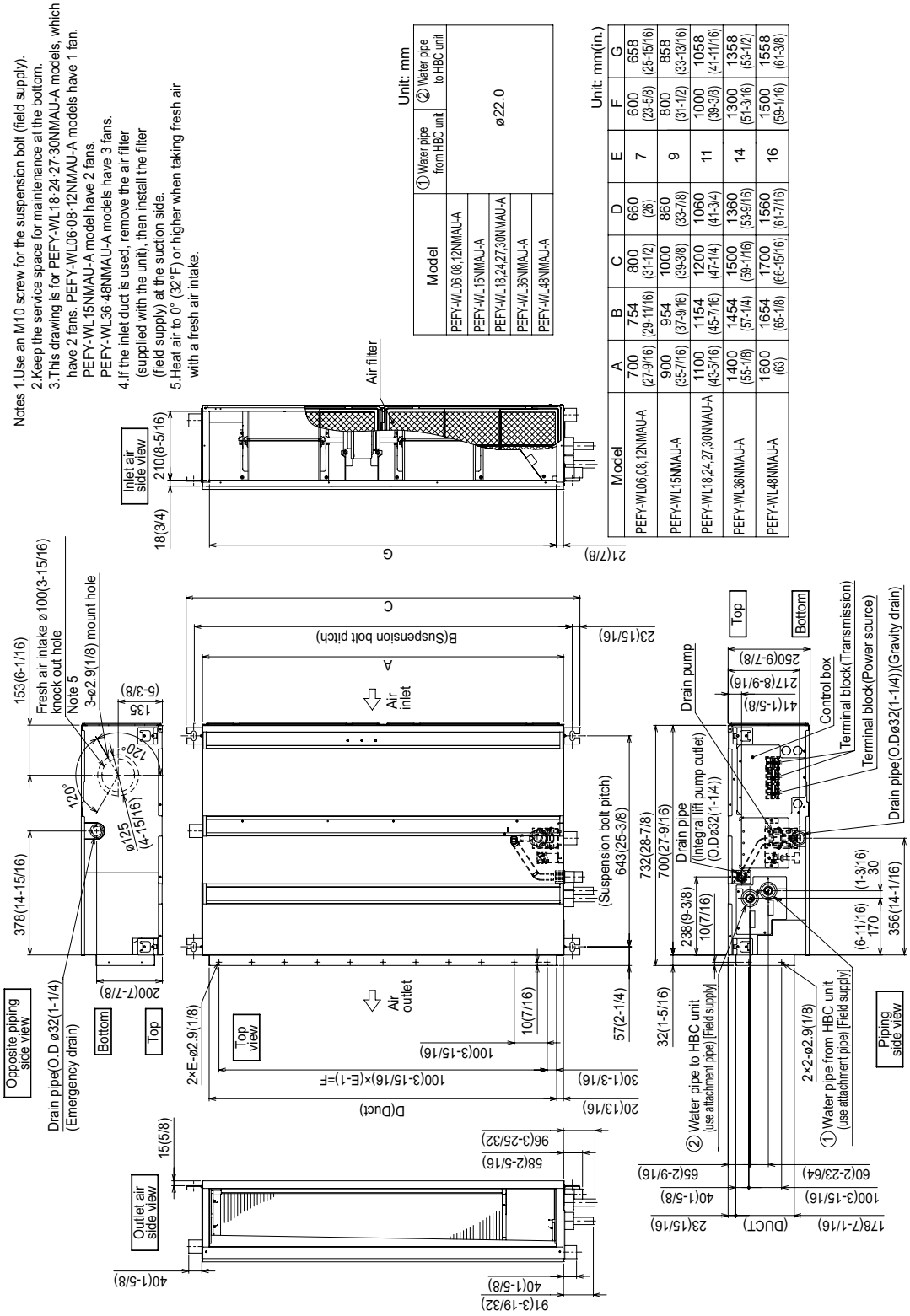
Notes
1. Use an M10 screw for the suspension bolt (field supply).
2. Keep the service space for maintenance at the bottom.
3. This drawing is for PEFY-WL18·24·27·30NMAU-A models, which have 2 fans. PEFY-WL06·08·12NMAU-A models have 1 fan. PEFY-WL15NMAU-A model have 2 fans. PEFY-WL36·48NMAU-A models have 3 fans.
4. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
5. Heat air to 0° (32°F) or higher when taking fresh air with a fresh air intake.

Unit: mm

Model	① Water pipe from HBC unit	② Water pipe to HBC unit
PEFY-WL06,08,12NMAU-A	ø22.0	
PEFY-WL15NMAU-A		
PEFY-WL18,24,27,30NMAU-A		
PEFY-WL36NMAU-A		
PEFY-WL48NMAU-A		

Unit: mm(in.)

Model	A	B	C	D	E	F	G
PEFY-WL06,08,12NMAU-A	700 (27-9/16)	754 (29-11/16)	800 (31-1/2)	660 (26)	7	600 (23-5/8)	658 (25-15/16)
PEFY-WL15NMAU-A	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9	800 (31-1/2)	858 (33-13/16)
PEFY-WL18,24,27,30NMAU-A	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)
PEFY-WL36NMAU-A	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)
PEFY-WL48NMAU-A	1600 (63)	1654 (65-1/8)	1700 (66-15/16)	1560 (61-7/16)	16	1500 (59-1/16)	1558 (61-3/8)



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Specifications are subject to change without notice.

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