CITYMULTI®

TPEFYP018MA145A
18,000 BTU/H MEDIUM STATIC DUCTED

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
- Built-in condensate lift; lifts to 27-9/16” (700 mm)
- Ducted fan coil supporting multiple configurations for flexible installation

Specifications			System
Unit Type			TPEFYP018MA145A
Cooling capacity (Nominal)[1]		BTU/H	18,000
Heating capacity (Nominal)[1]		BTU/H	20,000
Power source		Voltage, Phase, Hertz	208/230V, 1-phase, 60 Hz
Power Consumption	Cooling	kW	0.142
	Heating	kW	0.14
Current	Cooling	A	1.24/1.12
	Heating	A	1.24/1.12
MCA		A	2.88
Maximum Overcurrent Protection (MOCP)		A	15
External finish			Galvanized steel sheet
External Dimensions		In. [mm]	43-5/16 x 28-7/8 x 9-7/8 [1,100 x 732 x 250]
Net weight		Lbs [kg]	67 [30]
Heat exchanger			Cross fin (Aluminum fin and copper tube)
Fan	Type x quantity		Sirocco fan x 2
	External Static pressure	in.WG	0.14, 0.2, 0.28, 0.4, 0.6 factory set to 0.2 In. WG
	Airflow rate	CFM	618–742–883
	Motor type		DC Motor
	Motor Output	kW	0.121
	Motor FLA	A	2.3
Sound pressure level (Measured in anechoic room)		dB(A)	31–35–39
Air filter			PP Honeycomb fabric
Refrigerant	Type		R410A
Diameter of refrigerant pipe (O.D.)	Liquid (High Pressure)	In. [mm]	1/4 [6.35] Brazed
	Gas (Low Pressure)	In. [mm]	1/2 [12.7] Brazed
Diameter of drain pipe		In. [mm]	O.D. 1-1/4 [32]

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

Specifications are subject to change without notice.

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INDOOR UNIT ACCESSORIES: TPEFYP018MA145A

Control Interface	3-Pin Connector	☐ PAC-715AD
	CN24 Relay Kit	☐ CN24RELAY-KIT-CM3
	Connector and wire for Operation status/error using CN51	☐ PAC-725AD
	Deluxe Wired MA Remote Controller	☐ TAR-41MAAU
	IT Extender	☐ PAC-WHS01IE-E
	kumo station® for kumo cloud®	☐ TAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Thermostat Interface	☐ PAC-US445CN-1
	Wireless Interface for kumo cloud®	☐ PAC-USWHS002-WF-2
Remote Sensor	Flush Mount Remote Temperature Sensor	☐ PAC-USSEN002-FM-1
	Remote Temperature Sensor	☐ PAC-SE41TS-E
	Wireless temperature and humidity sensor for kumo cloud®	☐ PAC-USWHS003-TH-1
Terminal Signal Adapter	Terminal Signal Adapter	☐ PAC-IT51AD-E
Wired Remote Controller	Simple Ductless Wired Remote Controller	☐ PAC-SDW01RC-1
	Simple MA Remote Controller†	☐ TAC-YT53CRAU-J
	Smart ME Remote Controller - Backlit touchscreen	☐ TAR-U01MEDU-K
	Touch MA Controller†	☐ TAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	☐ MHK2
	Wireless MA Receiver	☐ PAR-SR32MA-E
	Wireless MA Remote Controller	☐ TAR-FL32MA-E
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	☐ X87-721
	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	☐ X86-003
	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
Filter Box	Filter Box with MERV 13 Filter	☐ FBM2-3-A

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

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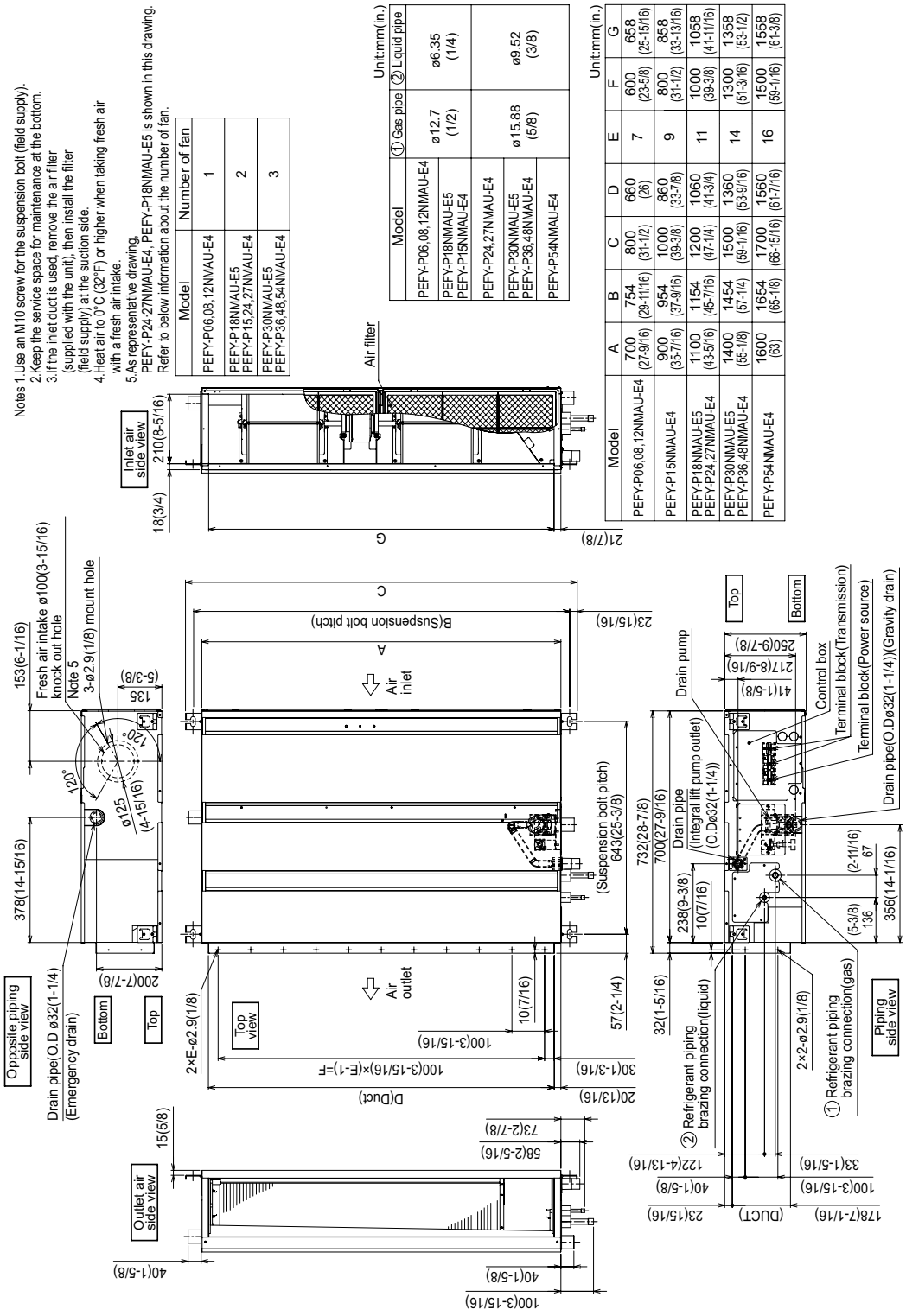
INDOOR UNIT DIMENSIONS: TPEFYP018MA145A

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. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
4. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.
5. As representative drawing, PEFY-P24,27NMAU-E4, PEFY-P18NMAU-E5 is shown in this drawing. Refer to below information about the number of fan.

Model	Number of fan
PEFY-P06,08,12NMAU-E4	1
PEFY-P18NMAU-E5 PEFY-P15,24,27NMAU-E4	2
PEFY-P30NMAU-E5 PEFY-P36,48,54NMAU-E4	3

Unit:mm(in.)

Model	① Gas pipe	② Liquid pipe
PEFY-P06,08,12NMAU-E4	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-P18NMAU-E5 PEFY-P15NMAU-E4		
PEFY-P24,27NMAU-E4	ø15.88 (5/8)	ø9.52 (3/8)
PEFY-P30NMAU-E5 PEFY-P36,48NMAU-E4		
PEFY-P54NMAU-E4		

Unit:mm(in.)

Model	A	B	C	D	E	F	G
PEFY-P06,08,12NMAU-E4	700 (27-9/16)	754 (29-11/16)	800 (31-1/2)	660 (26)	7	600 (23-5/8)	658 (25-15/16)
PEFY-P15NMAU-E4	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-P18NMAU-E5 PEFY-P24,27NMAU-E4	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-P30NMAU-E5 PEFY-P36,48NMAU-E4	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-P54NMAU-E4	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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