CITY MULTI®

PEFY-M27NMHU-A
27,000 BTU/H CEILING CONCEALED INDOOR UNIT

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

Job Name:			
System Reference:		**Date:**	

GENERAL FEATURES

- Dual Set Point: The controller can be used to program two different set points. The unit will automatically adjust between the set points for optimum comfort.
- Condensate Lift Mechanism: Reduces the need for an additional pump to remove condensate. Units with a condensate lift mechanism also include an overflow safety switch.
- Leak Detection Sensor Built-in: Dual Compatible (R32/R454B) Refrigerant Leak Sensor built-in
- Dual Compatible Refrigerant: Indoor unit is dual compatible with both R-32 and R-454B refrigerants.

SPECIFICATIONS			SYSTEM
UNIT TYPE			PEFY-M27NMHU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	27000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	30000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling	kW	0.19
	Power Consumption Heating	kW	0.19
	Current Cooling	A	1.30
	Current Heating	A	1.30
	MCA	A	3.38
	MOCP	A	15
Indoor Unit	External Finish Color		Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	40-9/16 x 35-7/16 x 15 [1030 x 900 x 380]
	Unit Weight	lbs [kg]	104 [47]
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)
	Dual Barrier Coating on HEX		No
	Dual Barrier Coating on Fan		No
Refrigerant	Type		R-32 / R-454B
Fan	Motor Type		DC Motor
	Motor Output	W	300
	External Static Pressure	in.WG	0.40 , 0.60 , 0.80 , 1
	Factory Default Static Pressure	in.WG	0.60
	Airflow Rate	CFM	547 , 636 , 777
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	29 , 33 , 38
	Heating	dB (A)	29 , 33 , 38
Piping	Liquid Pipe Size O.D.	inch [mm]	3/8 [9.52]
	Gas Pipe Size O.D.	inch [mm]	5/8 [15.88]
	Drain Pipe Size O.D.	inch [mm]	1.25 [32]

Notes

[1]Cooling / Heating capacity indicated at operation under the following conditions: Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor 95° F (35° C) DBHeating | 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-M27NMHU-A

Alarm Kit	Power supply interface for Alarm Kit	☐	PAC-IF55AL-E
	Alarm kit	☐	PAC-SL54AL-E
Condensate	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐	X87-835
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐	SI30-230
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐	COMBI
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐	X88-721
	Blue Diamond MultiTank collection tank for use with MegaBlue	☐	C21-014
	Blue Diamond Sensor Extension Cable 15 Ft	☐	C13-103
Control Interface	IT Extender	☐	PAC-WHS01IE-E
	Procon BACnet® and Modbus® Interface	☐	PAC-UKPRC001-CN-1
	kumo station® for Comfort app	☐	PAC-WHS01HC-E
	Wireless Interface 2 for Comfrot app	☐	PAC-USWHS002-WF-2
	Thermostat Interface	☐	PAC-US446CN-1
Control Wire	M-Net Control Wire - 1,000 Foot Roll	☐	CW162S-1000
	MA Control Wire - 1,000 Feet	☐	CW222-1000
	MA Control Wire - 250Feet	☐	CW222-250
	M-Net Control Wire - 250 Foot Roll	☐	CW162S-250
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	☐	FBH2-2
Lineset	3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet	☐	MPLS385812T-15
	3/8 x 5/8 Lineset Twin-Tube Insulation - 100 feet	☐	MPLS385812T-100
	3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet	☐	MPLS385812T-65
	3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet	☐	MPLS385812T-30
	3/8 x 5/8 Lineset Twin-Tube Insulation - 50 feet	☐	MPLS385812T-50
	3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet	☐	MPLS385812T-10
Remote Sensor	Flush Mount Remote Temperature Sensor	☐	PAC-USSEN002-FM-2
	Wireless temperature and humidity sensor for Comfort app	☐	PAC-USWHS003-TH-1
	Wall Mount Remote Temperature Sensor	☐	PAC-SE42TS-E
Terminal Signal Adapter	Connector and wire for On/Off and Error status using CN51 and CN52	☐	PAC-725AD
	Connector and wire for On/Off and Fan command using CN32	☐	PAC-715AD
	Backup Heat Relay Kit	☐	CN24RELAY-KIT-CM3
Wired Remote Controller	Touch MA Remote Controller	☐	PAR-CT01MAU-SB
	Deluxe MA Remote Controller	☐	PAR-43MAAUB
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-2
	Smart ME Remote Controller	☐	PAR-U01MEDU-K
	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
Wireless Remote Controller	Wireless MA Signal Receiver (for PAR-FL32MA-E)	☐	PAR-FA32MA
	Wireless RedLINK™ Remote Controller	☐	MHK2
	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	☐	PAR-FL32MA-E

Notes

[1]Requires MAC-334IF-E Interface to connect MA controller

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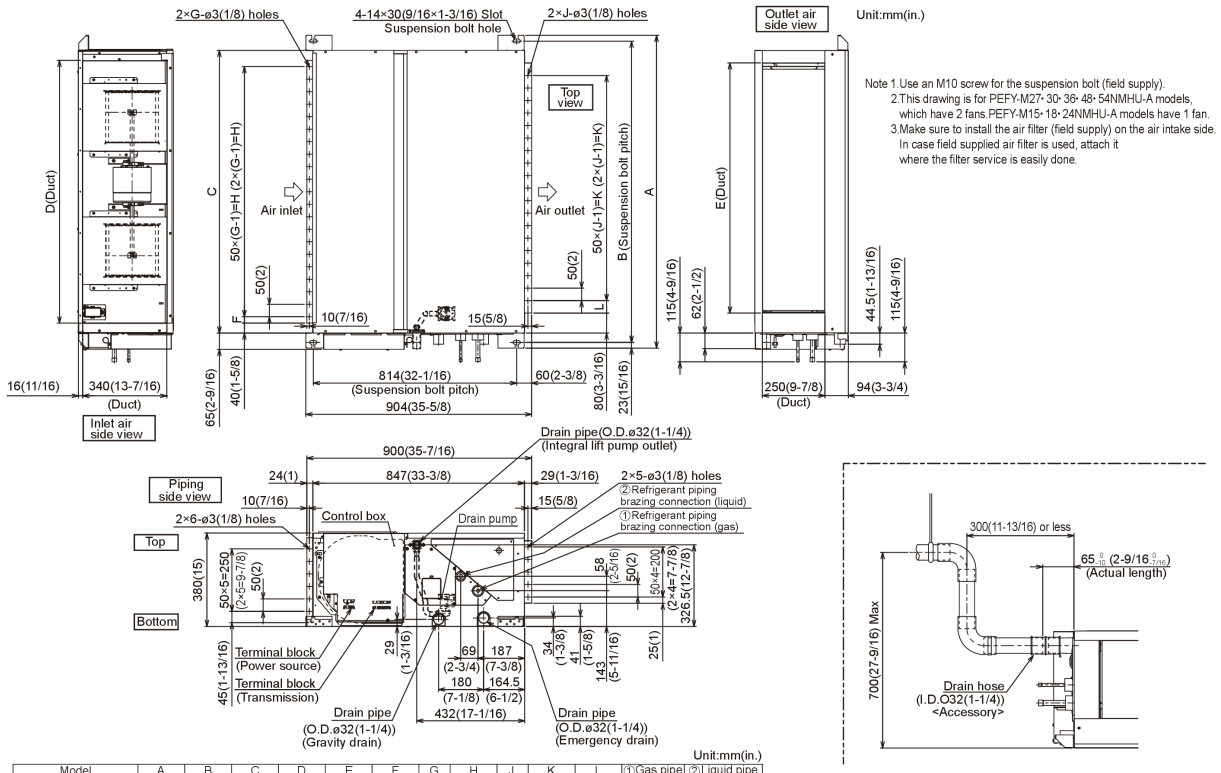
INDOOR UNIT DIMENSIONS: PEFY-M27NMHU-A

PEFY-M15, 18, 24, 27, 30, 36, 48, 54NMHU-A



Unit:mm(in.)

Model	A	B	C	D	E	F	G	H	J	K	L	①Gas pipe	②Liquid pipe
PEFY-M15·18NMHU-A	800 (31-1/2)	754 (29-11/16)	680 (26-13/16)	600 (23-5/8)	550 (21-11/16)	50 (2)	11	500 (19-11/16)	10	450 (17-3/4)	50 (2)	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-M24NMHU-A													
PEFY-M27·30NMHU-A	1085 (42-3/4)	1039 (40-15/16)	965 (38)	885 (34-7/8)	835 (32-7/8)	42.5 (1-11/16)	17	800 (31-1/2)	15	700 (27-9/16)	67 (2-11/16)	ø15.88 (5/8)	ø9.52 (3/8)
PEFY-M36·48·54NMHU-A	1250 (49-1/4)	1204 (47-7/16)	1130 (44-1/2)	1050 (41-3/8)	1000 (39-3/8)	25 (1)	21	1000 (39-3/8)	19	900 (35-7/16)	50 (2)		

Unit: mm (in.)

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