CITY MULTI®

PEFY-M24NMHU-A
24,000 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-M24NMHU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	24000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	27000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling	kW	0.17
	Power Consumption Heating	kW	0.17
	Current Cooling	A	1.21
	Current Heating	A	1.21
	MCA	A	3.50
	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]	29-5/16 x 35-7/16 x 15 [745 x 900 x 380]
	Unit Weight	lbs [kg]	82 [37]
	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	477 , 565 , 671
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	32 , 36 , 40
	Heating	dB (A)	32 , 36 , 40
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-M24NMHU-A

Alarm Kit	Alarm kit	PAC-SL54AL-E
	Power supply interface for Alarm Kit	PAC-IF55AL-E
Condensate	Blue Diamond MultiTank collection tank for use with MegaBlue	C21-014
	Refco Condensate Pump 100-240V up to 120k BTU/h	COMBI
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	SI30-230
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	X88-721
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	X87-835
Control Interface	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	Thermostat Interface	PAC-US446CN-1
	kumo station® for Comfort app	PAC-WHS01HC-E
	IT Extender	PAC-WHS01IE-E
	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
Control Wire	M-Net Control Wire - 250 Foot Roll	CW162S-250
	MA Control Wire - 1,000 Feet	CW222-1000
	M-Net Control Wire - 1,000 Foot Roll	CW162S-1000
	MA Control Wire - 250Feet	CW222-250
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	FBH2-1
Lineset	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
	3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet	MPLS385812T-15
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	Smart ME Remote Controller	PAR-U01MEDU-K
	Simple Direct Wired Remote Controller	PAC-SDW01RC-2
	Simple MA Remote Controller	PAC-YT53CRAU-J
	Deluxe MA Remote Controller	PAR-43MAAUB
	Touch MA Remote Controller	PAR-CT01MAU-SB
Wireless Remote Controller	Wireless RedLINK™ Remote Controller	MHK2
	Wireless MA Signal Receiver (for PAR-FL32MA-E)	PAR-FA32MA
	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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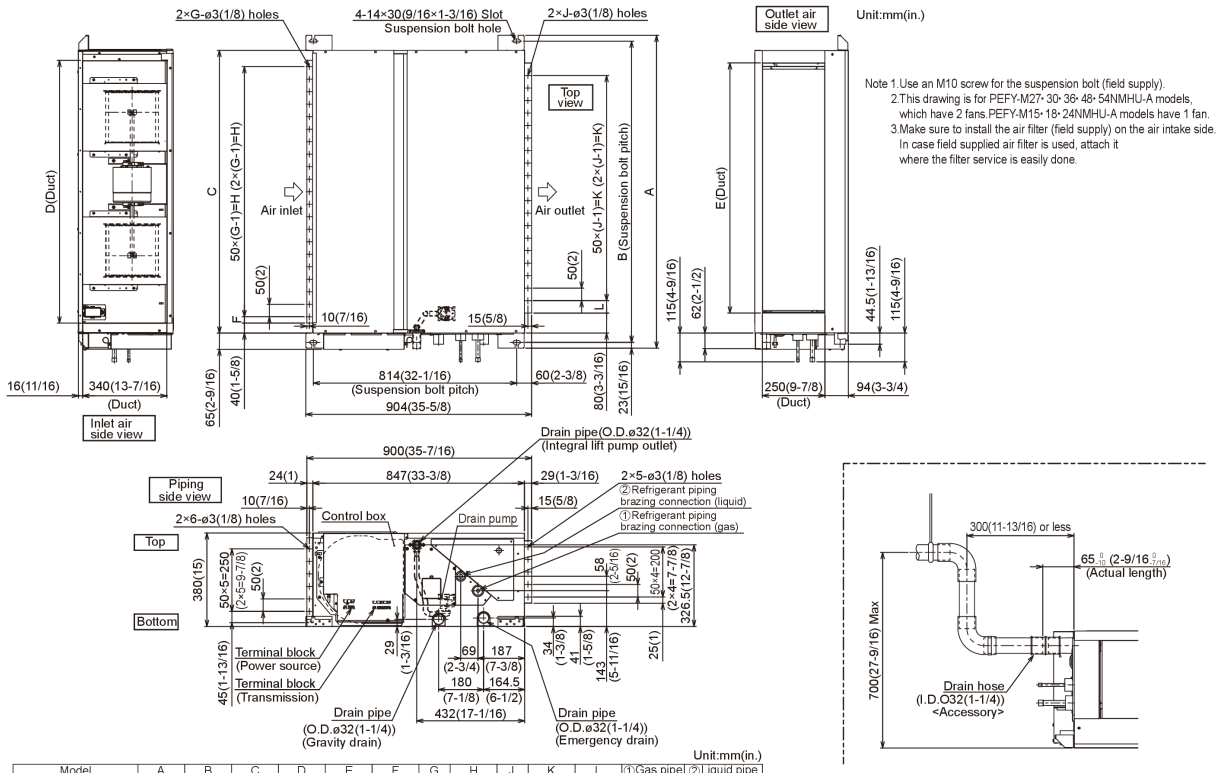
INDOOR UNIT DIMENSIONS: PEFY-M24NMHU-A

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



Note 1.Use an M10 screw for the suspension bolt (field supply).
2.This drawing is for PEFY-M27・30・36・48・54NMHU-A models, which have 2 fans.PEFY-M15・18・24NMHU-A models have 1 fan.
3.Make sure to install the air filter (field supply) on the air intake side. In case field supplied air filter is used, attach it where the filter service is easily done.

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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