CITY MULTI®

PEFY-M54NMAU-A
54,000 BTU/H CEILING CONCEALED INDOOR UNIT

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

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

GENERAL FEATURES

- Quiet: Outdoor units are as quiet as a typical conversation, and most indoor units are whisper quiet.
- 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-M54NMAU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	54,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	60,000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling		0.25
	Power Consumption Heating		0.25
	Current Cooling		2.29
	Current Heating		2.29
	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]	63 x 28-7/8 x 9-7/8 [1600 x 732 x 250]
	Unit Weight	lbs [kg]	93 [42]
	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	Type x Quantity		Sirocco fan x 3
	Motor Type		DC Motor
	Motor Output	W	300
	External Static Pressure	in.WG , in.WG , in. WG , in.WG in.WG Factory set to in.WG in. WG	0.14 , 0.20 , 0.28 , 0.40 0.60 Factory set to 0.20 in. WG
	Airflow Rate	CFM	989 , 1201 , 1413
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	34 , 38 , 42
	Heating	dB (A)	34 , 38 , 42
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]	1-1/4 [32]

Notes

[1]Cooling / Heating capacity indicated at operation under the following conditions: Cooling | Indoor: 81° F (27° C) DB / 68° 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-M54NMAU-A

Alarm Kit	Alarm kit	☐	PAC-SL54AL-E
	Power supply interface for Alarm Kit	☐	PAC-IF55AL-E
Condensate	Blue Diamond Sensor Extension Cable 15 Ft	☐	C13-103
	Blue Diamond MultiTank — collection tank for use with multiple pumps	☐	C21-014
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	☐	COMBI
	Sauermann Condensate Pump	☐	SI30-230
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	☐	X87-835
Control Interface	Procon BACnet and Modbus Interface	☐	PAC-UKPRC001-CN-1
	Thermostat Interface	☐	PAC-US446CN-1
	kumo station for the Comfort app	☐	PAC-WHS01HC-E
	Wireless Interface Adapter for the Comfort app	☐	PAC-USWHS002-WF-2
	IT Extender for kumo station	☐	PAC-WHS01IE-E
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	☐	FBM2-5-A
Lineset	3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet	☐	MPLS385812T-30
	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 - 50 feet	☐	MPLS385812T-50
	3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet	☐	MPLS385812T-65
	3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet	☐	MPLS385812T-10
Remote Sensor	Wall Mount Remote Temperature Sensor	☐	PAC-SE42TS-E
	Flush Mount Remote Temperature Sensor	☐	PAC-USSEN002-FM-2
	Wireless temperature and humidity sensor for the Comfort app	☐	PAC-USWHS003-TH-1
Terminal Signal Adapter	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	☐	CN24RELAY-KIT-CM3
	5-Pin Wiring Harness	☐	PAC-725AD
	3-Pin Wiring Harness	☐	PAC-715AD
Wired Remote Controller	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
	Touch MA Wired Remote Controller	☐	PAR-CT01MAU-SB
	Smart ME Remote Controller - Backlit touchscreen	☐	PAR-U01MEDU-K
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-2
	Deluxe MA Remote Controller	☐	PAR-43MAAUB
Wireless Remote Controller	Wireless MA Remote Controller	☐	PAR-FL32MA-E
	Wireless Universal Signal Receiver (for PAR-SL101A-E)	☐	PAR-SA9CA-E
	Wireless Remote Contoller	☐	PAR-SL101A-E
	Wireless MA Signal Receiver (for PAR-FL32MA-E)	☐	PAR-FA32MA
	RedLINK Wireless Remote Controller	☐	MHK2

Notes

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

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INDOOR UNIT DIMENSIONS: PEFY-M54NMAU-A

PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A

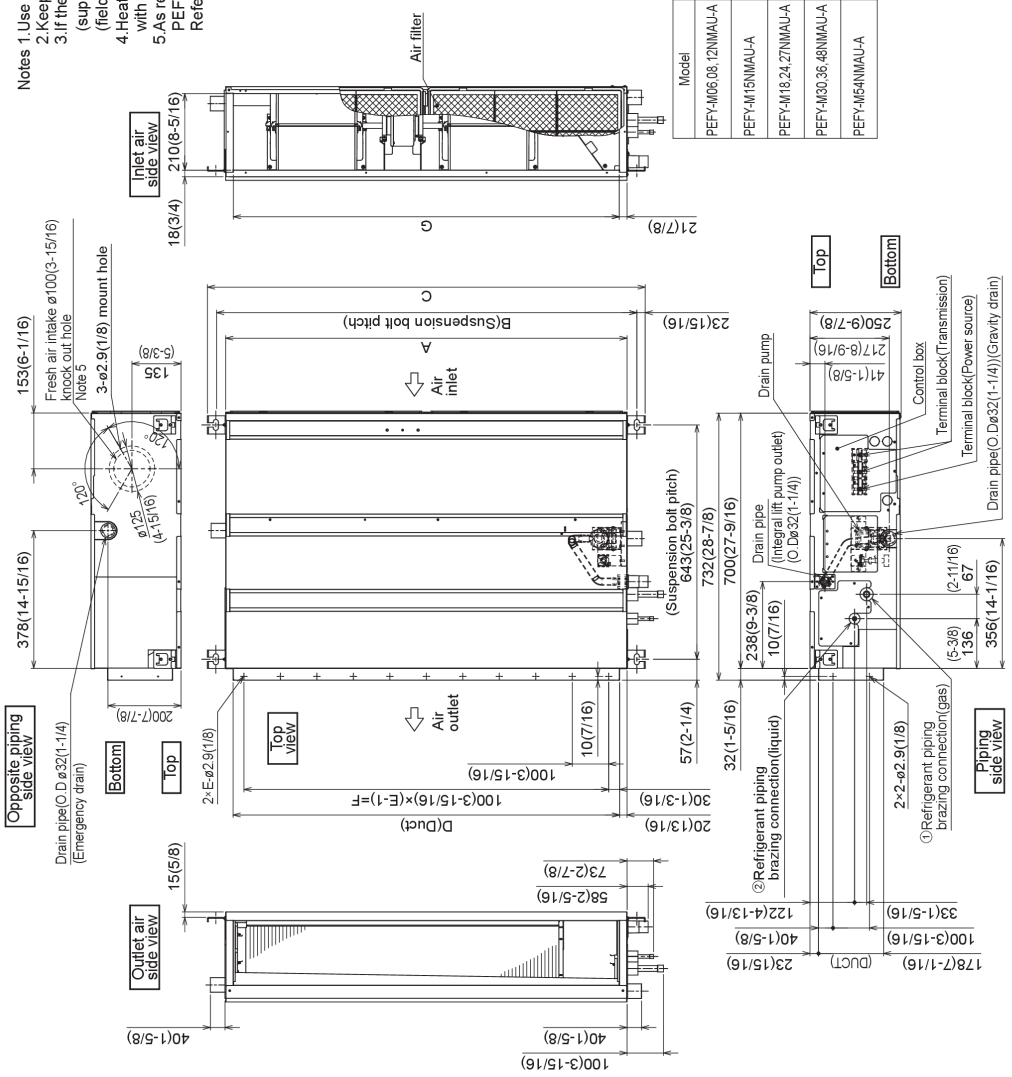
Unit: mm (in.)

Notes
1. Use an M10 screw for the suspension bolt (field supply).
2. Keep the service space for maintenance at the bottom.
3. 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-M18 · 24 · 27NMAU-A is shown in this drawing. Refer to below information about the number of fan.

Model	Number of fan
PEFY-M06,08,12NMAU-A	1
PEFY-M15,18,24,27NMAU-A	2
PEFY-M30,36,48,54NMAU-A	3

Model	①Gas pipe	②Liquid pipe
PEFY-M06,08,12, 15,18NMAU-A	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-M24,27,30, 36,48,54NMAU-A	ø15.88 (5/8)	ø9.52 (3/8)

Model	A	B	C	D	E	F	G
PEFY-M06,08,12NMAU-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-M15NMAU-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-M18,24,27NMAU-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-M30,36,48NMAU-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-M54NMAU-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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