CITY MULTI®

PEFY-M08NMSU-A
8,000 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-M08NMSU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	8,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	9,000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling		0.04
	Power Consumption Heating		0.04
	Current Cooling		0.49
	Current Heating		0.44
	MCA	A	0.95
	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]	31-1/8 x 27-9/16 x 7-7/8 [790 x 700 x 200]
	Unit Weight	lbs [kg]	43 [19.50]
	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	96
	External Static Pressure	in.WG , in.WG , in. WG , in.WG Factory set to in.WG in. WG	0.02 , 0.06 , 0.14 , 0.20 Factory set to 0.06 in. WG
	Airflow Rate	CFM	194 , 247 , 317
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	23 , 26 , 30
	Heating	dB (A)	23 , 26 , 30
Piping	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D.	inch [mm]	1/2 [12.72]
	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

© 2026 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

INDOOR UNIT ACCESSORIES: PEFY-M08NMSU-A

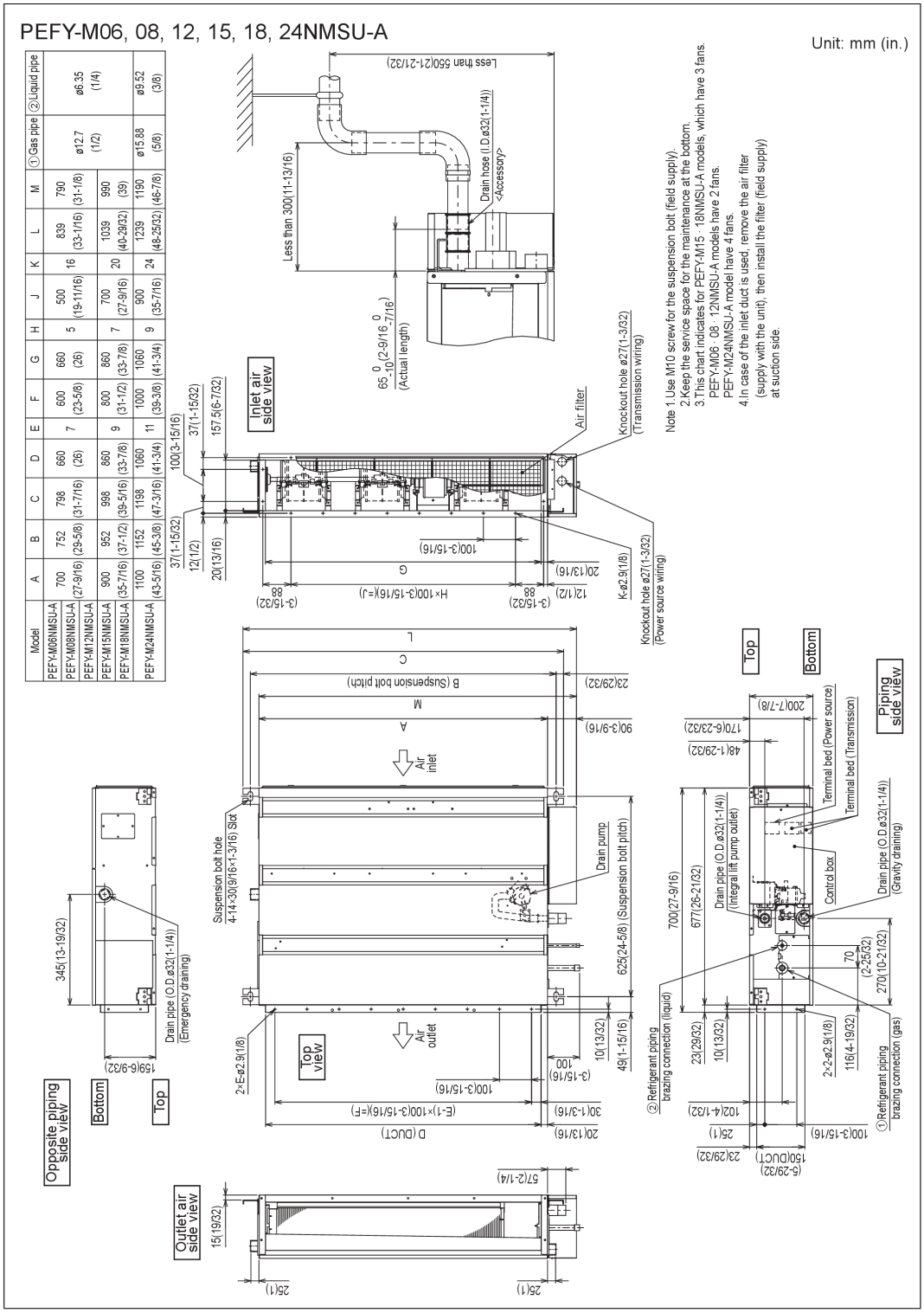
Alarm Kit	Alarm kit	☐	PAC-SL54AL-E
	Power supply interface for Alarm Kit	☐	PAC-IF55AL-E
Condensate	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	☐	COMBI
	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	☐	X88-721
	Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH	☐	X86-003
	Sauermann Condensate Pump	☐	SI30-230
Control Interface	Thermostat Interface	☐	PAC-US446CN-1
	kumo station for the Comfort app	☐	PAC-WHS01HC-E
	Procon BACnet and Modbus Interface	☐	PAC-UKPRC001-CN-1
	IT Extender for kumo station	☐	PAC-WHS01IE-E
	Wireless Interface Adapter for the Comfort app	☐	PAC-USWHS002-WF-2
Control Wire	MA Control Wire - 1,000 Feet	☐	CW222-1000
	M-Net Control Wire - 250 Foot Roll	☐	CW162S-250
	MA Control Wire - 250Feet	☐	CW222-250
	M-Net Control Wire - 1,000 Foot Roll	☐	CW162S-1000
Filter Box	Filter Box with MERV 8 Filter	☐	FBL1-1
Lineset	30 x 1/4 x 30 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-30
	65 x 1/4 x 65 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-65
	100 x 1/4 x 100 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-100
	50 x 1/4 x 50 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-50
	15 x 1/4 x 15 1/2 Lineset Twin-Tube Insulation	☐	MLS141212T-15
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	Deluxe MA Remote Controller	☐	PAR-43MAAUB
	Smart ME Remote Controller - Backlit touchscreen	☐	PAR-U01MEDU-K
	Simple MA Remote Controller	☐	PAC-YT53CRAU-J
	Simple Direct Wired Remote Controller	☐	PAC-SDW01RC-2
	Touch MA Wired Remote Controller	☐	PAR-CT01MAU-SB
Wireless Remote Controller	Wireless MA Remote Controller	☐	PAR-FL32MA-E
	Wireless MA Signal Receiver (for PAR-FL32MA-E)	☐	PAR-FA32MA
	RedLINK Wireless Remote Controller	☐	MHK2
	Wireless Remote Contoller	☐	PAR-SL101A-E
	Wireless Universal Signal Receiver (for PAR-SL101A-E)	☐	PAR-SA9CA-E

Notes

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

© 2026 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

INDOOR UNIT DIMENSIONS: PEFY-M08NMSU-A



Model	A	B	C	D	E	F	G	H	J	K	L	M	①Gas pipe	②Liquid pipe
PEFY-M06NMSU-A	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-M08NMSU-A														
PEFY-M12NMSU-A	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)		
PEFY-M15NMSU-A														
PEFY-M18NMSU-A	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)	ø15.88 (5/8)	ø9.52 (3/8)
PEFY-M24NMSU-A														

1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 · mitsubishicomfort.com

Specifications are subject to change without notice.
© 2026 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.