CITY MULTI

TPEFYP048MH1M0A
48,000 BTU/H CEILING CONCEALED INDOOR UNIT

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			TPEFYP048MH1M0A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	48000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	54000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling	kW	0.33
	Power Consumption Heating	kW	0.33
	Current Cooling	A	2.30
	Current Heating	A	2.30
	MCA	A	4.75
	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]	47-1/16 x 35-7/16 x 15 [1195 x 900 x 380]
	Unit Weight	lbs [kg]	121 [55]
	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	375
	External Static Pressure	in.WG	0.40 , 0.60 , 0.80 , 1
	Factory Default Static Pressure	in.WG	0.60
	Airflow Rate	CFM	936 , 1130 , 1342
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	34 , 40 , 44
	Heating	dB (A)	34 , 40 , 44
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: TPEFYP048MH1M0A

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
	Refco Condensate Pump 100-240V up to 120k BTU/h	COMBI
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	X87-835
	Blue Diamond MultiTank collection tank for use with MegaBlue	C21-014
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	X88-721
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	SI30-230
Control Interface	Wireless Interface 2 for Comfrot app	PAC-USWHS002-WF-2
	IT Extender	PAC-WHS01IE-E
	Thermostat Interface	PAC-US446CN-1
	kumo station® for Comfort app	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
Control Wire	M-Net Control Wire - 1,000 Foot Roll	CW162S-1000
	MA Control Wire - 250Feet	CW222-250
	MA Control Wire - 1,000 Feet	CW222-1000
	M-Net Control Wire - 250 Foot Roll	CW162S-250
Filter Box	Filter Box with 2" thick pleated MERV 13 Filters	FBH2-3
Lineset	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 - 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 - 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 Comfort app	PAC-USWHS003-TH-1
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	Simple MA Remote Controller	PAC-YT53CRAU-J
	Smart ME Remote Controller	PAR-U01MEDU-K
	Deluxe MA Remote Controller	PAR-43MAAUB
	Simple Direct Wired Remote Controller	PAC-SDW01RC-2
	Touch MA Remote Controller	PAR-CT01MAU-SB
Wireless Remote Controller	Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)	PAR-FL32MA-E
	Wireless RedLINK™ Remote Controller	MHK2
	Wireless MA Signal Receiver (for PAR-FL32MA-E)	PAR-FA32MA

Notes

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

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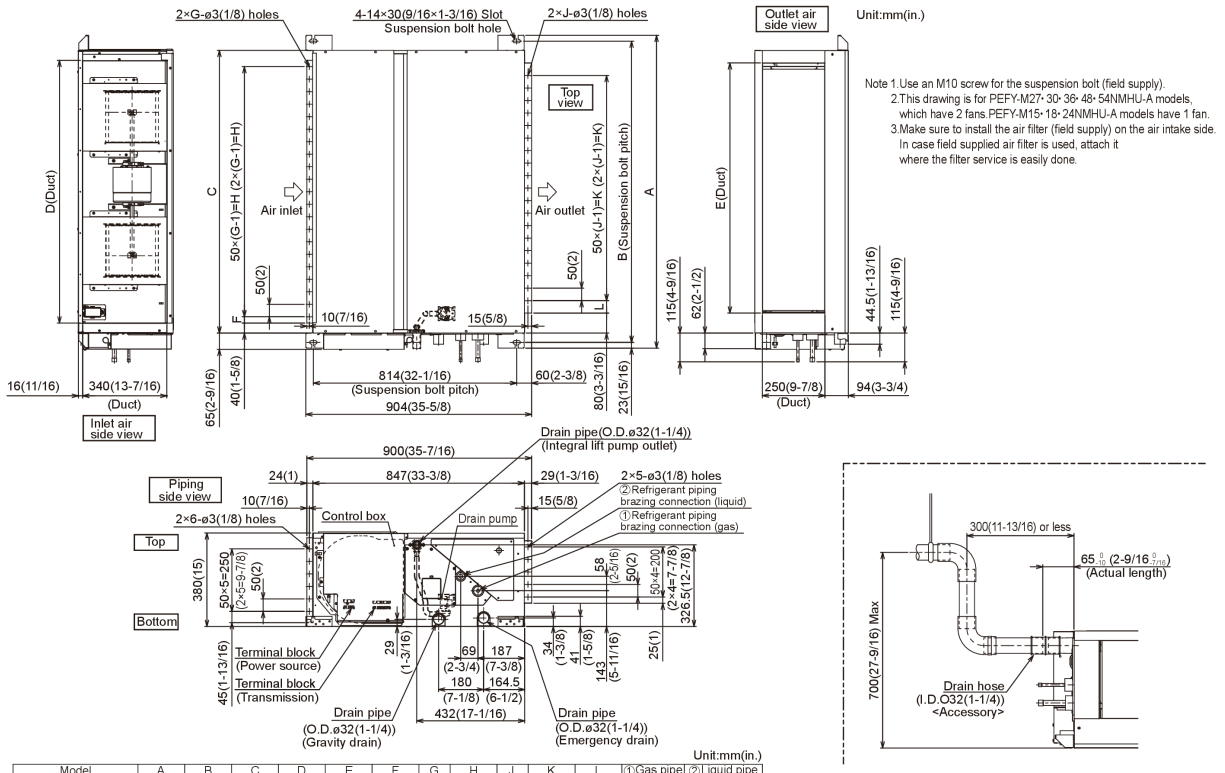
INDOOR UNIT DIMENSIONS: TPEFYP048MH1M0A

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.)

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

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