CITY MULTI

TPEFYP054MH1M0A
54,000 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			TPEFYP054MH1M0A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	54000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)	Btu/h	60000
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Power Consumption Cooling	kW	0.37
	Power Consumption Heating	kW	0.37
	Current Cooling	A	2.50
	Current Heating	A	2.50
	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]	126 [57]
	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	989 , 1201 , 1413
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	35 , 40 , 45
	Heating	dB (A)	35 , 40 , 45
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: TPEFYP054MH1M0A

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

Notes

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

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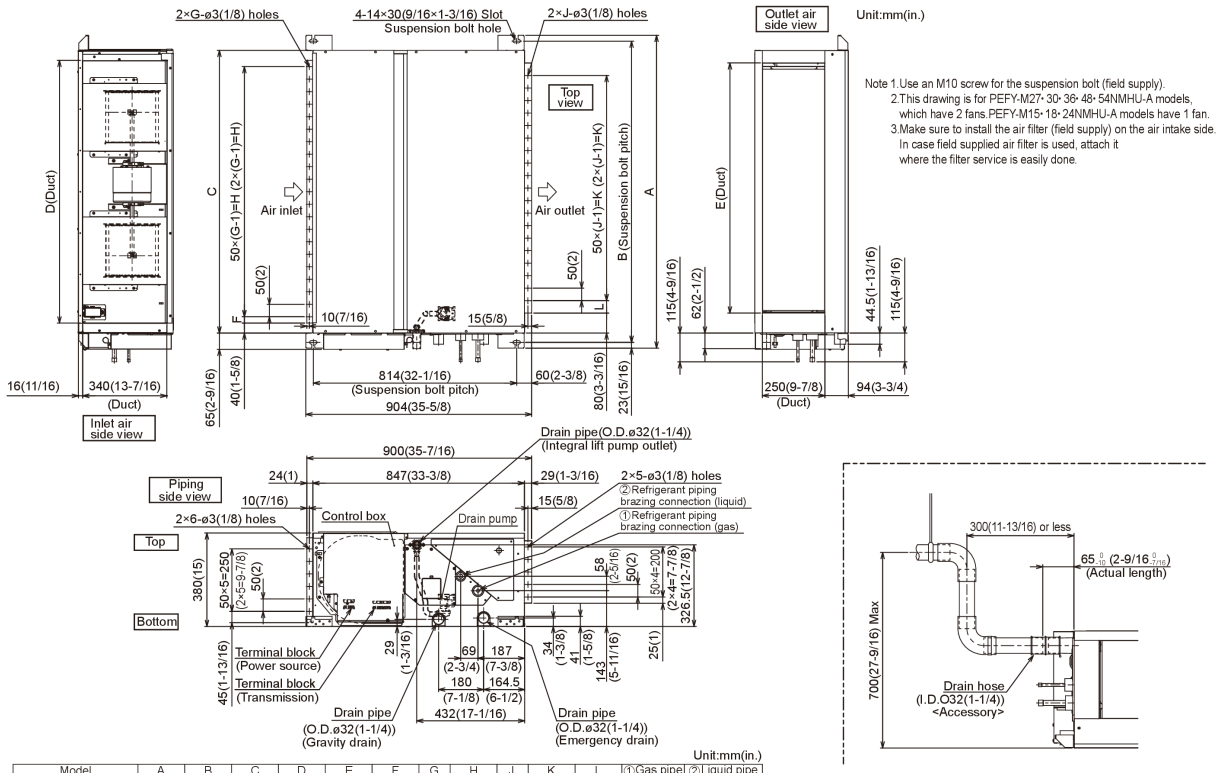
INDOOR UNIT DIMENSIONS: TPEFYP054MH1M0A

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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