

PEFY-L54NMAU-A

54,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

- 9-7/8" (250mm) high for low ceiling heights
- Auto fan mode
- Built-in condensate lift; lifts to 27-9/16" (700 mm)
- Dual set point functionality
- Ducted fan coil supporting multiple configurations for flexible installation
- Five-Stage Static Pressure Settings: Five-stage external static pressure settings provide flexibility for duct extension, branching, and air outlet configuration and are adjustable to meet different application conditions. The settings range to a maximum of 0.60 in.WG (150 Pa).
- Multiple fan speed settings

Specifications			System
Unit Type			PEFY-L54NMAU-A
Cooling Capacity (Nominal) ^{1,3}	Cooling Capacity (Nominal)	Btu/h	54,000
Heating Capacity (Nominal) ^{2,3}	Heating Capacity (Nominal)	Btu/h	60,000
Electrical	Voltage, Phase, Frequency	V AC / V AC, ø, Hz	208 / 230, 1, 60
	Power Consumption Cooling	kW	0.252
	Power Consumption Heating	kW	0.25
	Current Cooling	A	2.29/2.07
	Current Heating	A	2.29/2.07
	MCA	A	3.38
	MOCP	A	15
	Indoor Unit	Fan Motor Type	
Fan Motor Output		W	300
Airflow Rate at Cooling, Dry		CFM	989, 1,201, 1,413
Airflow Rate at Heating, Dry		CFM	989, 1,201, 1,413
Sound Pressure Level [Cooling]		dB (A)	34, 38, 42
Sound Pressure Level [Heating]		dB (A)	34, 38, 42
External Static Pressure		in.WG	0.14, 0.20, 0.28, 0.40, 0.60
DBC on HEX (Yes or No)			No
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 [1,600 x 732 x 250]
Package Dimensions (W x D x H)		inch x inch x inch [mm x mm x mm]	73-5/8 x 35-7/16 x 13 [1,870 x 900 x 330]
Unit Weight		lbs [kg]	93 [42]
Package Weight	lbs [kg]	110 [50]	
Refrigerant	Type		R454B
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	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]

NOTES

¹Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB)

²Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB)

³Nominal capacity only. Actual capacity output varies based on the system-specific configuration.

INDOOR UNIT ACCESSORIES: PEFY-L54NMAU-A

Control Interface	3-Pin Wiring Harness	PAC-715AD
	5-Pin Wiring Harness	PAC-725AD
	Airzone Wired Blueface Controller Black	AZZBSBLUEZEROCN
	Airzone Wired Blueface Controller White	AZZBSBLUEZEROCB
	Airzone Wireless Lite Controller Black	AZZBSLITERN
	Airzone Wireless Lite Controller White	AZZBSLITERB
	Airzone Wireless Think Controller Black	AZZBSTHINKRN
	Airzone Wireless Think Controller White	AZZBSTHINKRB
	IT Extender for kumo station	PAC-WHS01IE-E
	kumo station for the Comfort app	PAC-WHS01HC-E
	Procon BACnet and Modbus Interface	PAC-UKPRC001-CN-1
	Thermostat Interface for 3rd Party Thermostats	PAC-US445CN-1
	Wireless Interface Adapter for the Comfort app	PAC-USWHS002-WF-2
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	RCMKP1CB
	RedLINK Wireless Remote Controller	MHK2
	Universal Wireless MA Handheld Remote Controller	PAR-FL32MA-E
	Universal Wireless Receiver for PAR-FL32MA-E	PAR-FA32MA-W
Condensate	Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended	X87-721
	Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor	X87-835
	Blue Diamond MultiTank collection tank for use with multiple pumps	C21-014
	Blue Diamond Sensor Extension Cable 15 Ft	C13-103
	Refco Condensate Pump 100-240 VAC up to 120000 BTUH	COMBI
	Sauermann Condensate Pump	SI30-230
Remote Sensor	Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models	PAC-USSEN002-FM-1
	Wall Mount Remote Temperature Sensor	PAC-SE41TS-E
	Wireless temperature and humidity sensor for the Comfort app	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe MA Wired Remote Controller ¹	PAR-42MAAUB
	Deluxe Wired MA Remote Controller	PAR-40MAAU
	Simple Direct Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller ¹	PAC-YT53CRAU-J
	Smart ME Remote Controller	PAR-U01MEDU-K
	Touch MA Wired Remote Controller ¹	PAR-CT01MAU-SB
Lineset	10 x 3/8 x 10 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-10
	100 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-100
	15 x 3/8 x 15 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-15
	30 x 3/8 x 30 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-30
	50 x 3/8 x 50 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-50
	65 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation	MPLS385812T-65
Control Wire	202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel	CW2042S2-100
	202PR shielded 1PR plenum wire for Airzone 500 ft reel	CW2042S2-500
Terminal Signal Adapter	CN105 Wire Harness Adapter for CN51 & CN100	PAC-IT51AD-E
Power Supplies and Auxiliary Components	Backup Heat Relay Kit Adapter for CN24 or CN152 Connector	CN24RELAY-KIT-CM3
Filter Box	Filter Box with MERV 13 Filter	FBM2-5-A
NOTES		

INDOOR UNIT DIMENSIONS: PEFY-L54NMAU-A

- 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 ϕ (32 ϕ F) or higher when taking fresh air with a fresh air intake.
 5. As representative drawing, PEFY-L18*24*27NMAU-A is shown in this drawing. Refer to below information about the number of fan.

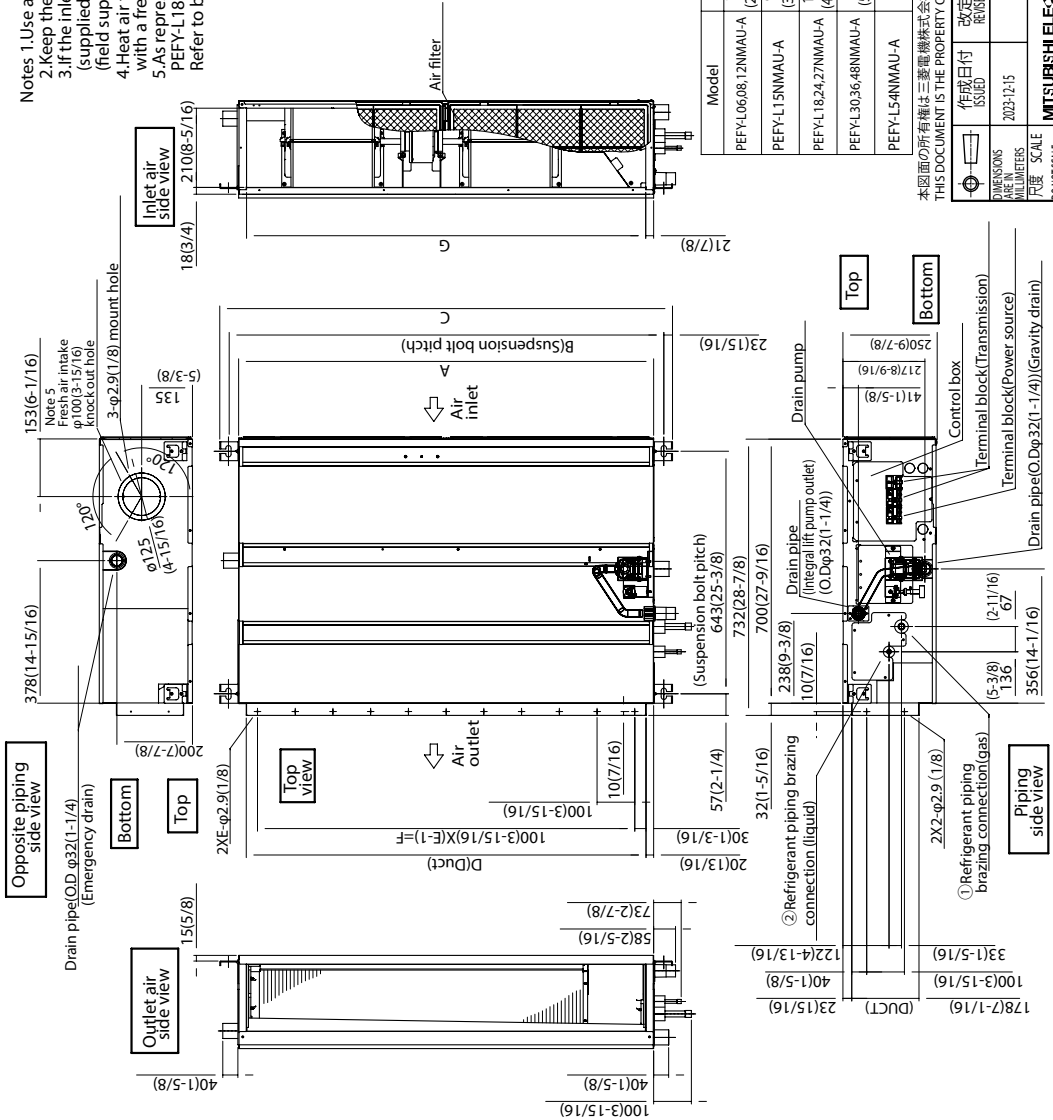
Model	Number of fans
PEFY-L06,08,12NMAU-A	1
PEFY-L15,18,24,27NMAU-A	2
PEFY-L30,36,48,54NMAU-A	3

Model	① Gas pipe	② Liquid pipe	Unitmm(in.)
PEFY-L06,08,12,15,18NMAU-A	ϕ 12.7	ϕ 6.35	(1/2) (1/4)
PEFY-L24,27,30,36,48,54NMAU-A	ϕ 15.88	ϕ 9.52	(5/8) (3/8)

Model	A	B	C	D	E	F	G	Unitmm(in.)
PEFY-L06,08,12NMAU-A	700	754	800	660	600	638	658	(27-9/16) (29-11/16) (31-1/2) (26) (23-3/8) (25-15/16)
PEFY-L15NMAU-A	900	954	1000	860	800	858	878	(35-7/16) (37-9/16) (39-3/8) (33-7/8) (31-1/2) (33-13/16)
PEFY-L18,24,27NMAU-A	1100	1154	1200	1060	1000	1058	1078	(43-5/16) (45-7/16) (47-1/4) (41-3/4) (39-3/8) (41-11/16)
PEFY-L30,36,48NMAU-A	1400	1454	1500	1360	1300	1358	1378	(55-1/8) (57-1/4) (59-1/16) (53-9/16) (51-3/16) (53-1/2)
PEFY-L54NMAU-A	1600	1654	1700	1560	1500	1558	1578	(63) (65-1/8) (66-15/16) (61-7/16) (59-1/16) (61-3/8)

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30-36-48-54NMAU-A			
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