CITY-MULTI®
INDOOR UNITS

Indoor Units

Lineup & Specifications of indoor units

Model size		P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
TON		0.33	0.42	0.5	0.67	1.0	1.25	1.5	2.0	2.25	2.5	3.0	4.0	4.5	6.0	8.0
Nominal cooling capacity*	BTU/h	4,000	5,000	6,000	8,000	12,000	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000	72,000	96,000
	kW	1.1	1.4	1.8	2.3	3.5	4.4	5.3	7.0	7.9	8.8	10.6	14.1	15.8	21.1	28.1
Nominal heating capacity*	BTU/h	4,500	5,600	6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	108,000
	kW	1.3	1.6	2.0	2.6	4.0	5.0	5.9	7.9	8.8	10.0	11.7	15.8	17.6	23.4	31.7

Ceiling cassette

PLFY-EP NEMU1-E(1)

NEW 3D i-see Sensor

PLFY-P NFMU-E

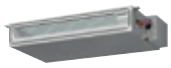
3D i-see Sensor

PMFY-P NBMU-E

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PLFY-EP NEMU1-E(1)			●	●	●	●	●	●		●	●	●			
PLFY-P NFMU-E		●		●	●	●	●								
PMFY-P NBMU-E			●	●	●	●									

Ceiling concealed

PEFY-P NMSU-E



PEFY-P NMAU-E4/E5

NEW

PEFY-P NMHU-E2
PEFY-P NMHSU-E

PEFY-P NMHU-E-OA

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PEFY-P NMSU-E			●	●	●	●	●	●							
PEFY-P NMAU-E4/E5			●	●	●	●	●	●	●	●	●	●	●		
PEFY-P NMHU-E2						●	●	●	●	●	●	●	●		
PEFY-P NMHSU-E														●	●
PEFY-P NMHU-E-OA											●	●		●	●

Multi-position air handler

PVFY-P NAMU-E1

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PVFY-P NAMU-E1				●	●		●	●		●	●	●	●		

Ceiling suspended

PCFY-P NKMU-E

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PCFY-P NKMU-E						●		●		●	●				

Wall mounted

PKFY-P NLMU-E

PKFY-P NKMU-E2

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PKFY-P NLMU-E	●		●	●	●	●	●								
PKFY-P NKMU-E2								●		●					

Floor standing exposed
Floor mounted concealed

PFFY-P NEMU-E

PFFY-P NRMU-E

Model size	P04	P05	P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
PFFY-P NEMU-E			●	●	●	●	●	●							
PFFY-P NRMU-E			●	●	●	●	●	●							

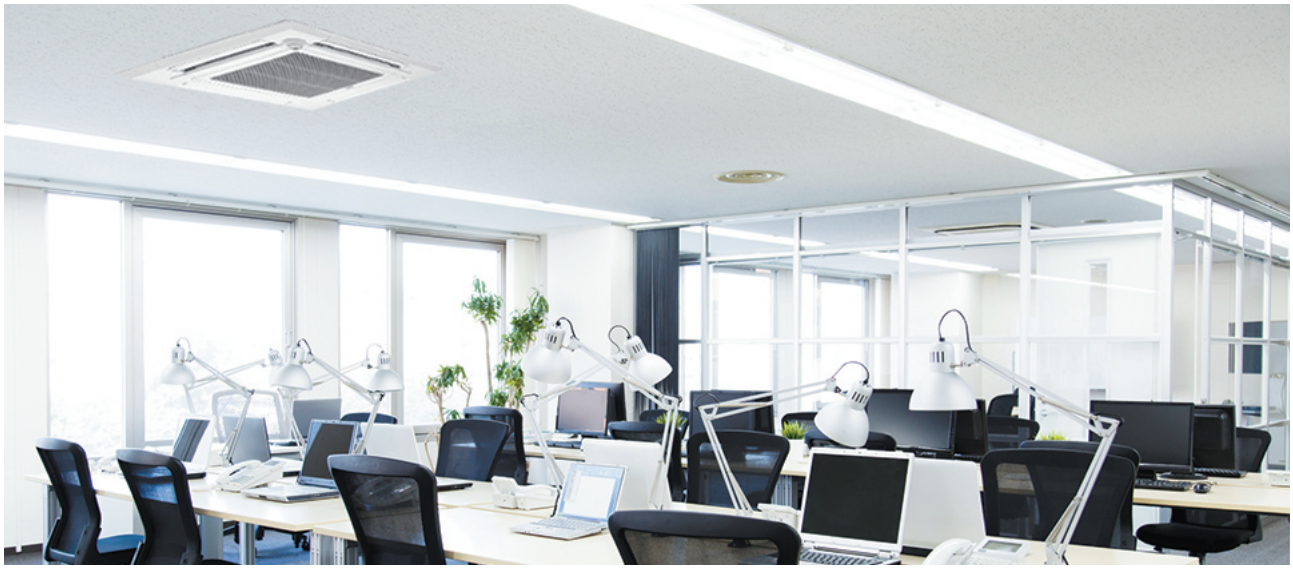
Dedicated Outside Air System (DOAS)

PEFY-AF1200CFMR-E

Nominal cooling capacity*	BTU/h	112,000
	kW	32.8
Nominal heating capacity*	BTU/h	61,400
	kW	18

* Refer to the specification sheet pages for nominal condition information.

Ceiling cassette type
4-way airflow type



Ceiling cassette type
4-way airflow type

PLFY-EP NEMU1-E(1)

3D i-see Sensor and versatile airflow variation provide comfort to all corners of the room.

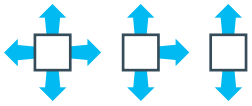
Optimum airflow

2-, 3-, 4-way airflow pattern selection

Three outlet options are available-bidirectional, three-way, and four-way-to suit different types of installation. Select, for example, the four-way pattern for installation in the center of the room and three-way pattern for installation in the corner.

2-, 3-, 4-way airflow pattern selection

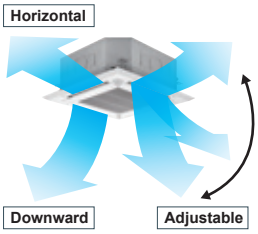
* Optional shuffle placement is required for 2- and 3-way patterns.



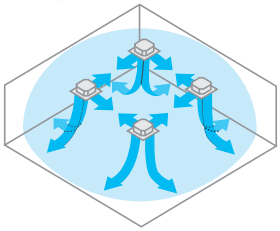
Individual vane angle settings

Vane direction can be changed or fixed from the remote controller to direct the supply air at or away from objects or occupants in the room.

The airflow direction of each vane can be set using the wired remote controller or wireless remote controller (PAR-FL32MA).



Multi-directional air conditioning



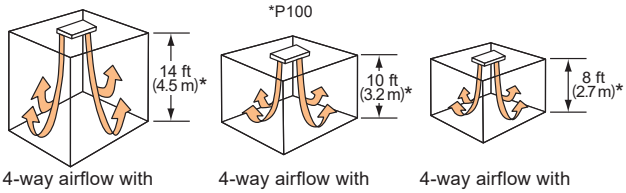
2-, 3-, 4-way airflow pattern selection

individual vane angle settings

Combinations with individual vane settings enable an optimal outlet setting for each room layout to ensure even temperature distribution throughout each room. The result is uniformly comfortable air conditioning.

Equipped with high- and low-ceiling modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match the height of the room. Being able to choose the optimum airflow volume helps optimize the breezy sensation felt throughout the room.



4-way airflow with high-ceiling setting

4-way airflow with standard setting

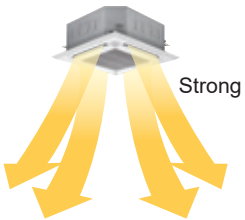
4-way airflow with low-ceiling setting

Airflow range

Model / Airflow pattern	EP06–EP15			EP18–EP48		
	High-ceiling setting	Standard setting	**Low-ceiling setting**	**High-ceiling setting**	Standard setting	**Low-ceiling setting**
4-way	**11 ft (3.5 m)**	8 ft (2.7 m)	**8 ft (2.5 m)**	**14 ft (4.5 m)**	10 ft (3.2 m)	**8 ft (2.7 m)**
3-way	**11 ft (3.5 m)**	9 ft (3.0 m)	**8 ft (2.7 m)**	**14 ft (4.5 m)**	11 ft (3.6 m)	**9 ft (3.0 m)**
2-way	**11 ft (3.5 m)**	10 ft (3.3 m)	**9 ft (3.0 m)**	**14 ft (4.5 m)**	13 ft (4.0 m)	**10 ft (3.3 m)**

Automatic air-speed adjustment

An automatic air-speed mode automatically adjusts airflow speed to maintain comfortable room conditions at all times. This setting automatically adjusts the air speed to conditions that match the room environment.



At the start of the heating/cooling operation, airflow is set to high speed to quickly heat/cool the room.

When the room temperature reaches the desired setting, the airflow speed is automatically decreased for stable and comfortable heating/cooling operation.

Easy installation

Temporary hanging hook

The structure of the panel has been redesigned and is now equipped with a temporary hanging hook.
This improves work efficiency during panel installation.


No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box; they simply need to be loosened. This lowers the risk of losing screws.

• Corner panel

• Control box cover

Electrical box wiring

After reviewing the power supply terminal position in the electrical box, the structure has been redesigned to improve connectivity. This makes complex wiring work easier.

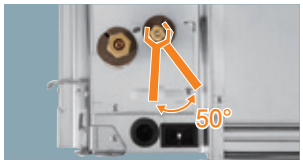
• Conventional model

• Latest model

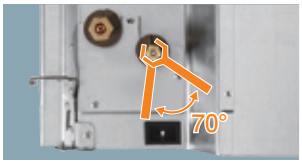
Increased space for plumbing work

The top and bottom positions of the liquid and gas pipes have been reversed to allow the gas pipe work, which requires more effort, to be completed first. Further, through structural innovations related to the space around the pipes, the area for the spanner has been increased, thus improving liquid piping work and enabling it to be completed smoothly.

• Conventional model



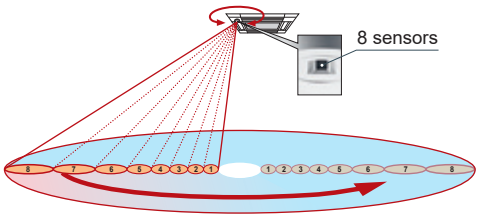
• Latest model

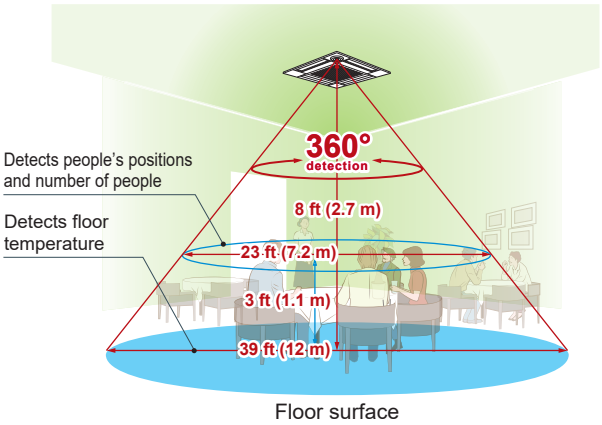


3D i-see Sensor

• Highly accurate people detection

A total of eight sensors fully rotate 360° in 3-minute intervals. In addition to detecting human body temperature, an original algorithm also detects people's positions and the number of people.





*In case of an 8 ft (2.7m) ceiling

• Detects number of people

Room occupancy energy saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time to save air-conditioning power. Air-conditioning power equivalent to 33°F (1°C) is saved during both cooling and heating operations at an occupancy rate of approximately 30%. The temperature is controlled according to the number of people.

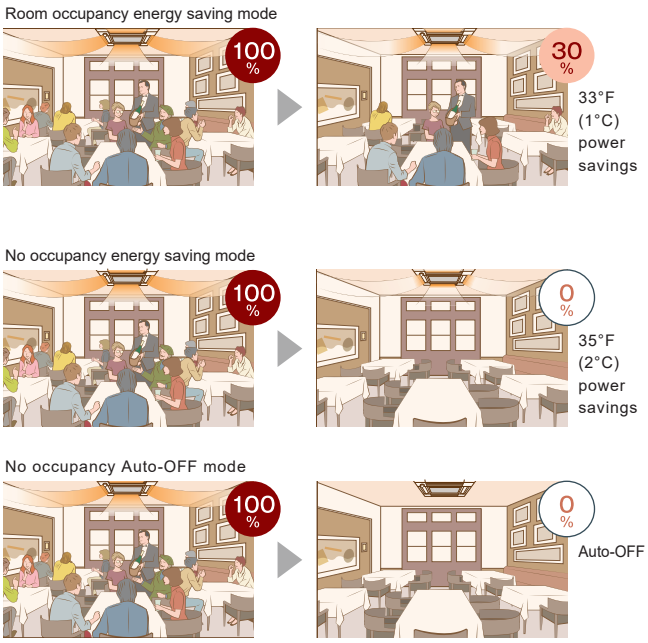
No occupancy energy saving mode

When 3D i-see Sensor detects no one in the room, the system is switched to a preset power-saving mode. If the room remains unoccupied for more than 60 minutes, air-conditioning power equivalent to 35°F (2°C) is saved during both cooling and heating operations. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode

When the room remains unoccupied for a preset length of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10 minutes, from 60 to 180 minutes.

*No occupancy Auto-OFF mode is not available when multiple indoor units are operated by a single MA remote controller.

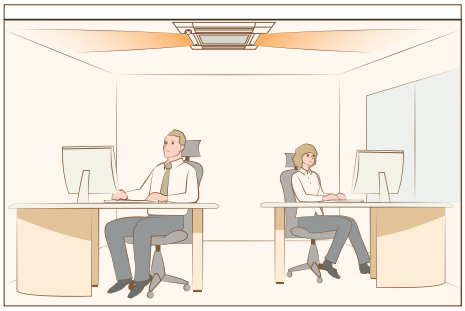


*PAR-41MAAU is required for each setting.

• Detects people's positions

Direct/indirect settings*

Some people do not like the feeling of wind, while others want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, each vane can be set to block or not block the wind.

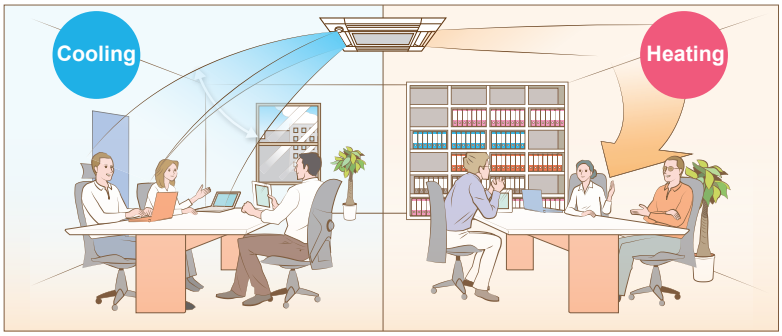


*PAR-41MAAU or PAR-SL101A-E is required for each setting.

Seasonal airflow*

<When cooling>
Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When the pre-set temperature is reached, the air conditioner switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>
The air conditioner automatically switches between circulation and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When the pre-set temperature is reached, the air conditioner switches from heating to circulation and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-41MAAU is required for each setting.

Ceiling cassette type

4-way airflow type PLFY-EP NEMU1-E(1)

Deluxe Model			PLFY-EP06NEMU1-E	PLFY-EP08NEMU1-E	PLFY-EP12NEMU1-E	PLFY-EP15NEMU1-E
Power source			1-phase 208-230 V 60Hz			
Cooling capacity (Nominal)	*1	BTU/h	6,000	8,000	12,000	15,000
	*1	kW	1.8	2.4	3.5	4.4
	Power input	kW	0.02	0.03	0.03	0.03
	Current input	A	0.19	0.31	0.31	0.31
Heating capacity (Nominal)	*2	BTU/h	6,700	9,000	13,500	17,000
	*2	kW	2.0	2.7	4.0	5.0
	Power input	kW	0.02	0.02	0.02	0.02
	Current input	A	0.14	0.26	0.26	0.26
External finish			Galvanized steel sheet			
External dimension H x W x D		in.	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32
		mm	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840
Net weight		lbs (kg)	46 (21)	46 (21)	46 (21)	46 (21)
Decoration panel	Model		PLP-41EAEU	PLP-41EAEU	PLP-41EAEU	PLP-41EAEU
	External finish		MUNSELL (1.0Y 9.2/0.2)			
	Dimension H x W x D	in.	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32
		mm	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950
	Net weight	lbs (kg)	11 (5)	11 (5)	11 (5)	11 (5)
Heat exchanger			Cross fin	Cross fin	Cross fin	Cross fin
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)
		Pa	0	0	0	0
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)
		Pa	0	0	0	0
	Motor Type		DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.05	0.05	0.05	0.05
	Driving mechanism		Direct-driven	Direct-driven	Direct-driven	Direct-driven
	Air flow rate (Low-Mid2-Mid1-High)	cfm	300 - 424 - 459 - 494	494 - 530 - 565 - 600	494 - 530 - 565 - 600	530 - 547 - 565 - 600
		m^3/min	8.5 - 12 - 13 - 14	14 - 15 - 16 - 17	14 - 15 - 16 - 17	15 - 15.5 - 16 - 17
		L/s	142 - 200 - 217 - 233	233 - 250 - 267 - 283	233 - 250 - 267 - 283	250 - 258 - 267 - 283
Sound pressure level (Low-Mid2-Mid1-High) (measured in anechoic room)		dB <A>	19 - 23 - 25 - 27	27 - 29 - 30 - 31	27 - 29 - 30 - 31	28 - 29 - 30 - 31
Air filter			PP honeycomb (long life filter, anti-bacterial type)			
Refrigerant piping diameter	Liquid (R410A)	in.(mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in.(mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare
Field drain pipe size		in.(mm)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)

Deluxe Model			PLFY-EP18NEMU1-E1	PLFY-EP24NEMU1-E	PLFY-EP30NEMU1-E	PLFY-EP36NEMU1-E	PLFY-EP48NEMU1-E
Power source			1-phase 208-230 V 60Hz				
Cooling capacity (Nominal)	*1	BTU/h	18,000	24,000	30,000	36,000	48,000
	*1	kW	5.3	7.0	8.8	10.6	14.1
	Power input	kW	0.04	0.04	0.04	0.07	0.11
	Current input	A	0.43	0.43	0.45	0.73	1.01
Heating capacity (Nominal)	*2	BTU/h	20,000	27,000	34,000	40,000	54,000
	*2	kW	5.9	7.9	10.0	11.7	15.8
	Power input	kW	0.04	0.04	0.04	0.07	0.11
	Current input	A	0.38	0.38	0.40	0.68	0.96
External finish			Galvanized steel sheet				
External dimension H x W x D		in.	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32
		mm	298 × 840 × 840	298 × 840 × 840	298 × 840 × 840	298 × 840 × 840	298 × 840 × 840
Net weight		lbs (kg)	55 (25)	55 (25)	55 (25)	55 (25)	55 (25)
Decoration panel	Model		PLP-41EAEU	PLP-41EAEU	PLP-41EAEU	PLP-41EAEU	PLP-41EAEU
	External finish		MUNSELL (1.0Y 9.2/0.2)				
	Dimension H x W x D	in.	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32
		mm	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950
	Net weight	lbs (kg)	11 (5)	11 (5)	11 (5)	11 (5)	11 (5)
Heat exchanger			Cross fin	Cross fin	Cross fin	Cross fin	Cross fin
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)
		Pa	0	0	0	0	0
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)
		Pa	0	0	0	0	0
	Motor Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.12	0.12	0.12	0.12	0.12
	Driving mechanism		Direct-driven	Direct-driven	Direct-driven	Direct-driven	Direct-driven
	Air flow rate (Low-Mid2-Mid1-High)	cfm	636 - 671 - 742 - 812	636 - 671 - 742 - 812	636 - 706 - 777 - 812	777 - 883 - 989 - 1,095	777 - 953 - 1,095 - 1,236
		m^3/min	18 - 19 - 21 - 23	18 - 19 - 21 - 23	18 - 20 - 22 - 23	22 - 25 - 28 - 31	22 - 27 - 31 - 35
		L/s	300 - 317 - 350 - 383	300 - 317 - 350 - 383	300 - 333 - 367 - 383	367 - 417 - 467 - 517	367 - 450 - 517 - 583
Sound pressure level (Low-Mid2-Mid1-High) (measured in anechoic room)		dB <A>	28 - 30 - 32 - 34	28 - 30 - 32 - 34	28 - 31 - 33 - 35	35 - 37 - 39 - 41	36 - 39 - 42 - 45
Air filter			PP honeycomb (long life filter, anti-bacterial type)				
Refrigerant piping diameter	Liquid (R410A)	in.(mm)	1/4 (6.35) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare
	Gas (R410A)	in.(mm)	1/2 (12.7) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare
Field drain pipe size		in.(mm)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)

Notes:

*1,*2 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.
* Due to continuing improvement, above specifications may be subject to change without notice.
* 3D i-see Sensor is equipped in PLP-41EAEU as standard equipment.

Optional parts

Description	Model	Remarks
3D i-see Sensor panel	PLP-41EAEU	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
Multi-functional casement	PAC-SJ41TM-E	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
High-efficiency filter element	PAC-SH59KF-E	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
Air outlet shutter plate (1 set)	PAC-SJ37SP-E	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
Flange for fresh air intake	PAC-SH65OF-E	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
Wireless signal receiver	PAR-SR4LU-E	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48
External heater adapter	PAC-YU25HT	EP06, EP08, EP12, EP15, EP18, EP24, EP30, EP36, EP48

Ceiling cassette type
4-way airflow type

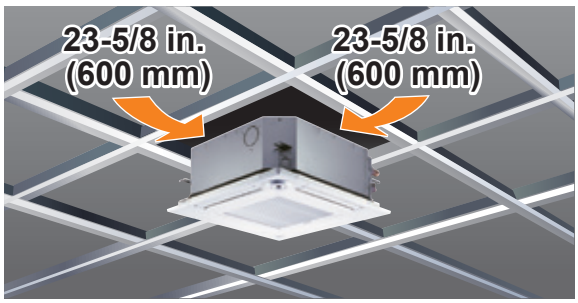
Ceiling cassette type
4-way airflow type

PLFY-P NFMU-E1

The compact size offers an ideal fit to grid system ceilings (23-5/8 in. (600 mm) × 23-5/8 in. (600 mm)) and provides 4-way airflows despite its size.

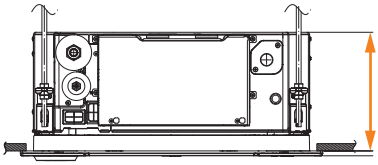
Beautiful square design

The square design matches 2 × 2 (23-5/8 in. (600 mm) × 23-5/8 in. (600 mm)) ceiling construction specifications.
Direct line-based square design enables designs of system ceiling to match the design of direct line type illuminations, thereby creating a beautiful space.



Above-ceiling height of 9-21/32 in. (245 mm)

The above-ceiling height of 9-21/32 in. (245 mm) is top class in the industry* and fits into narrow ceiling spaces.



* As of Aug 2015, among compact 4-way cassettes for system ceilings. (In-company survey)

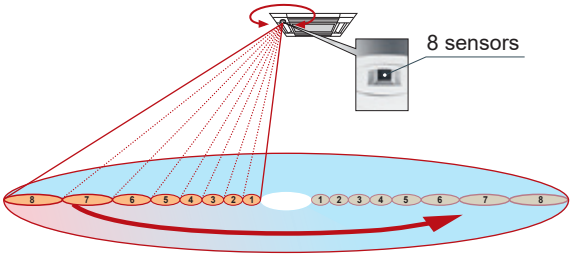
Compact & light-weight design

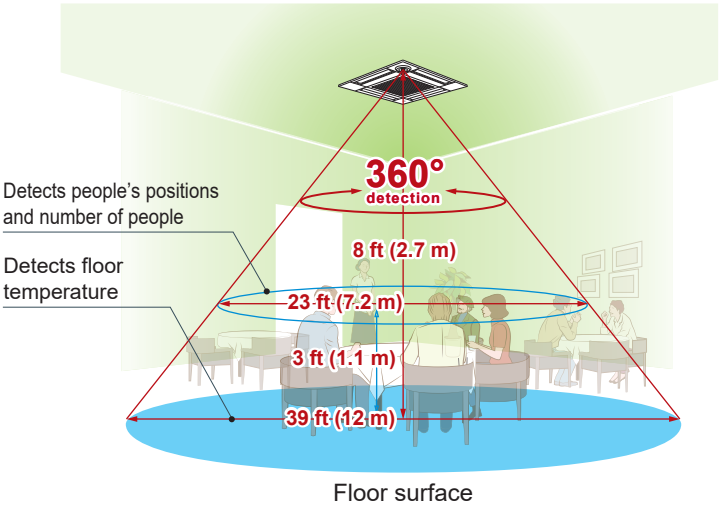
The panel weighs 5.3 lbs (2.4 kg), and the main unit weighs 28.9 lbs (13.1 kg) (P05, P08 models) or 31.3 lbs (14.2 kg) (P12, P15 and P18 models).

3D i-see Sensor

• Highly accurate people detection

A total of eight sensors fully rotate 360° in 3-minute intervals. In addition to detecting human temperature, an original algorithm also detects people's positions and the number of people.





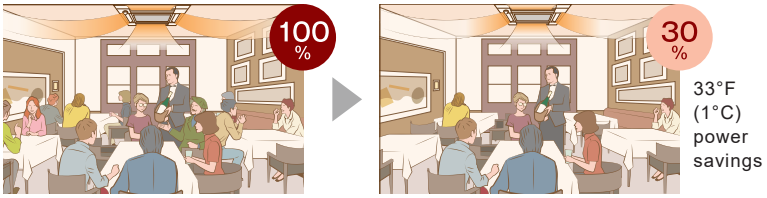
*In case of an 8 ft (2.7m) ceiling

• Detects number of people

Room occupancy energy saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time to save air-conditioning power. Air-conditioning power equivalent to 33°F (1°C) is saved during both cooling and heating operations at an occupancy rate of approximately 30%. The temperature is controlled according to the number of people.

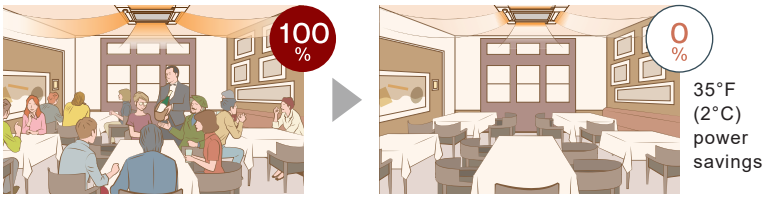
Room occupancy energy saving mode



No occupancy energy saving mode

When 3D i-see Sensor detects no one in the room, the system is switched to a preset power-saving mode. If the room remains unoccupied for more than 60 minutes, air-conditioning power equivalent to 35°F (2°C) is saved during both cooling and heating operations. This contributes to preventing waste in terms of heating and cooling.

No occupancy energy saving mode

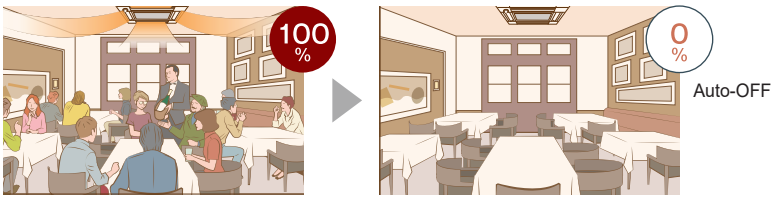


No occupancy Auto-OFF mode

When the room remains unoccupied for a preset length of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10 minutes, from 60 to 180 minutes.

*No occupancy Auto-OFF mode is not available when multiple indoor units are operated by a single MA remote controller.

No occupancy Auto-OFF mode

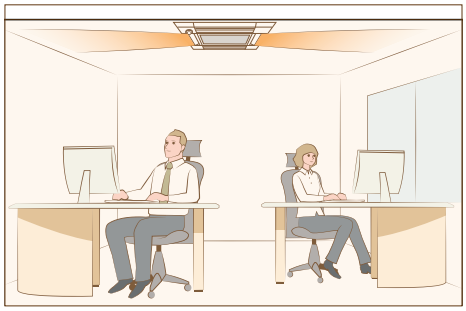


*PAR-41MAAU is required for each setting.

• Detects people's positions

Direct/indirect settings*

Some people do not like the feeling of wind, while others want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, each vane can be set to block or not block the wind.



*PAR-41MAAU or PAR-SL101A-E is required for each setting.

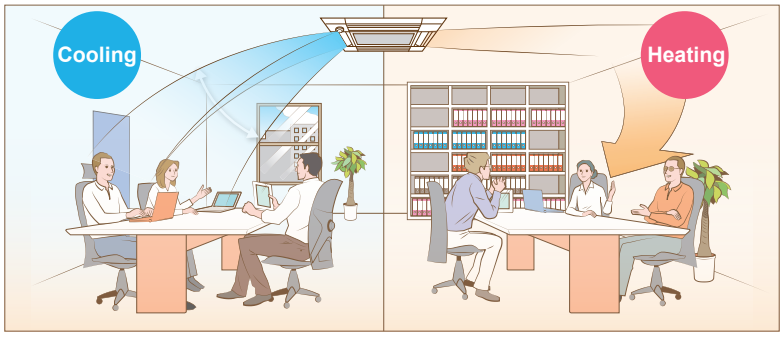
Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When the pre-set temperature is reached, the air conditioner switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioner automatically switches between circulation and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When the pre-set temperature is reached, the air conditioner switches from heating to circulation and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-41MAAU is required for each setting.

Ceiling cassette type

4-way airflow type PLFY-P NFMU-E

Model			PLFY-P05NFMU-E	PLFY-P08NFMU-E	PLFY-P12NFMU-E	PLFY-P15NFMU-E	PLFY-P18NFMU-E
Power source			1-phase 208-230 V 60Hz				
Cooling capacity (Nominal)	*1	BTU/h	5,000	8,000	12,000	15,000	18,000
	*1	kW	1.4	2.3	3.5	4.3	5.2
	Power input	kW	0.02	0.02	0.02	0.03	0.04
	Current input	A	0.19	0.22	0.23	0.28	0.40
Heating capacity (Nominal)	*2	BTU/h	5,600	9,000	13,500	17,000	20,000
	*2	kW	1.6	2.6	3.9	4.9	5.8
	Power input	kW	0.02	0.02	0.02	0.03	0.04
	Current input	A	0.14	0.17	0.18	0.23	0.35
External finish			Galvanized steel sheet				
External dimension H x W x D		in.	8-3/16 × 22-7/16 × 22-7/16	8-3/16 × 22-7/16 × 22-7/16	8-3/16 × 22-7/16 × 22-7/16	8-3/16 × 22-7/16 × 22-7/16	8-3/16 × 22-7/16 × 22-7/16
		mm	208 × 570 × 570	208 × 570 × 570	208 × 570 × 570	208 × 570 × 570	208 × 570 × 570
Net weight		lbs (kg)	28.9 (13.1)	28.9 (13.1)	31.3 (14.2)	31.3 (14.2)	31.3 (14.2)
Decoration panel	Model		SLP-18FAU	SLP-18FAU	SLP-18FAU	SLP-18FAU	SLP-18FAU
	External finish		MUNSELL (1.0Y 9.2/0.2)				
	Dimension H x W x D	in.	13/32 × 24-19/32 × 24-19/32	13/32 × 24-19/32 × 24-19/32	13/32 × 24-19/32 × 24-19/32	13/32 × 24-19/32 × 24-19/32	13/32 × 24-19/32 × 24-19/32
		mm	10 × 625 × 625	10 × 625 × 625	10 × 625 × 625	10 × 625 × 625	10 × 625 × 625
	Net weight	lbs (kg)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	External static press.	in.WG	0	0	0	0	0
		Pa	0	0	0	0	0
	Motor Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.05	0.05	0.05	0.05	0.05
	Driving mechanism		Direct-driven	Direct-driven	Direct-driven	Direct-driven	Direct-driven
	Air flow rate (Low-Mid-High)	cfm	230 - 265 - 280	230 - 280 - 315	245 - 280 - 335	265 - 315 - 390	315 - 390 - 460
		m^3/min	6.5 - 7.5 - 8.0	6.5 - 8.0 - 9.0	7.0 - 8.0 - 9.5	7.5 - 9.0 - 11.0	9.0 - 11.0 - 13.0
		L/s	108 - 125 - 133	108 - 133 - 150	117 - 133 - 158	125 - 150 - 183	150 - 183 - 217
Sound pressure level (Low-Mid-High) (measured in anechoic room)		dB <A>	26 - 28 - 30	26 - 30 - 33	26 - 30 - 34	28 - 33 - 39	33 - 39 - 43
Air filter			PP honeycomb fabric (long life type)				
Refrigerant piping diameter	Liquid (R410A)	in.(mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in.(mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare
Field drain pipe size		in.(mm)	O.D.1-1/4 (32) (PVC pipe VP-25 connectable)				

Notes:

*1,*2 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80ºFD.B./67ºFW.B. (26.7ºCD.B./19.4ºCW.B.)	95ºFD.B. (35ºCD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70ºFD.B. (21.1ºCD.B.)	47ºFD.B./43ºFW.B. (8.3ºCD.B./6.1ºCW.B.)		

*PLFY-P-NFMU-E should be used with SLP-18FAU/SLP-18FAEU.

*Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.

*Due to continuing improvement, above specifications may be subject to change without notice.

Optional parts

Description	Model	Remarks
3D i-see Sensor panel	SLP-18FAEU	P05, P08, P12, P15, P18
3D i-see Sensor corner panel	PAC-SF1ME-E	P05, P08, P12, P15, P18
Decoration panel	SLP-18FAU	P05, P08, P12, P15, P18
Wireless signal receiver	PAR-SF9FA-E	P05, P08, P12, P15, P18

Ceiling cassette type
1-way airflow type

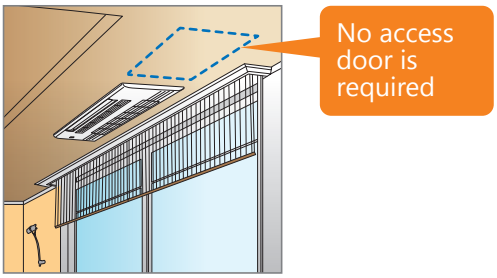
Ceiling cassette type
1-way airflow type

PMFY-P NBMU-E

Recommended for installation at the edges of a room.
A lightweight body ensures excellent workability.

Ceiling mounted installation

Installing a 1-way airflow type unit in a room creates a more spacious feel that enhances room comfort. This overhead format is also an excellent solution when lighting equipment is installed at the center of the room and fixtures such as book shelves are mounted on wall surfaces.

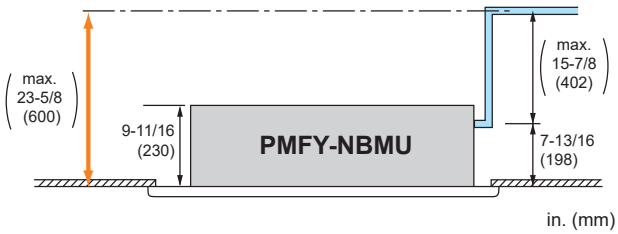


Compact size for smooth installation and maintenance

The body size of the unit has been standardized for all models at 31-31/32 in. (812 mm) for easy installation. Body weight is only 31 lbs (14 kg) for the main unit and 7 lbs (3 kg) for the panel, making this unit one of the lightest in the industry.

Drain pump

The drain can be positioned anywhere up to 23-5/8 in. (600 mm) from the ceiling surface.



in. (mm)

Ceiling cassette type

1-way airflow type PMFY-P NBMU-E

Model			PMFY-P06NBMU-E	PMFY-P08NBMU-E	PMFY-P12NBMU-E	PMFY-P15NBMU-E
Power source			1-phase 208-230 V 60Hz			
Cooling capacity *1 (Nominal) *1		BTU / h	6,000	8,000	12,000	15,000
		kW	1.8	2.3	3.5	4.4
	Power input	kW	0.04	0.04	0.04	0.05
	Current input	A	0.20	0.20	0.21	0.26
Heating capacity *1 (Nominal) *1		BTU / h	6,700	9,000	13,500	17,000
		kW	2.0	2.6	4.0	5.0
	Power input	kW	0.04	0.04	0.04	0.05
	Current input	A	0.2	0.20	0.21	0.26
External finish			–			
External dimension H x W x D		in.	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16
		mm	230 x 812 x 395	230 x 812 x 395	230 x 812 x 395	230 x 812 x 395
Net weight		lbs (kg)	31 (14)	31 (14)	31 (14)	31 (14)
Decoration panel	Model		PMP-16BMU	PMP-16BMU	PMP-16BMU	PMP-16BMU
	External finish		0.98Y 8.99/0.63			
	Dimension H x W x D	in.	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32
		mm	30 x 1,000 x 470	30 x 1,000 x 470	30 x 1,000 x 470	30 x 1,000 x 470
	Net Weight	lbs (kg)	7(3)	7(3)	7(3)	7(3)
Heat exchanger			Cross fin			
FAN	Type x Quantity		Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	Line flow fan x 1
	External static pressure	in. WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)
		Pa	0	0	0	0
		in. WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)
		Pa	0	0	0	0
	Motor type		DC Blush-less Motor			
	Motor output	kW	0.028	0.028	0.028	0.028
	Driving mechanism		Direct-driven			
	Airflow rate *2 (Low-Mid2-Mid1-High)	cfm	230-254-283-307	258-283-304-328	258-283-304-328	272-307-343-378
		m^3 / min	6.5-7.2-8.0-8.7	7.3-8.0-8.6-9.3	7.3-8.0-8.6-9.3	7.7-8.7-9.7-10.7
		L / s	108-120-133-145	122-133-143-155	122-133-143-155	128-145-162-178
Sound pressure level *2 *3 (Low-Mid2-Mid1-High)		dB <A>	27-30-33-35 (208-230V)	32-34-36-37 (208-230V)	32-34-36-37 (208-230V)	33-35-37-39 (208-230V)
		dB <A>	–	–	–	–
		dB <A>	–	–	–	–
Air filter			PP honeycomb			
Diameter of refrigerant pipe(O.D.)	Liquid	in. (mm)	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare
	Gas	in. (mm)	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare
Field drain pipe diameter		in. (mm)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 Airflow rate / Sound pressure level are in (low-middle-high).

*3 It is measured in anechoic room.

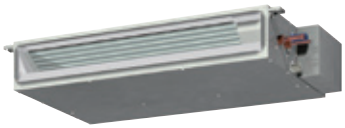
Optional parts

Description	Model	Remarks
Decoration panel	PMP-16BMUW	P06, P08, P12, P15
External heater adapter	PAC-YU25HT	P06, P08, P12, P15

Ceiling concealed type

Low static pressure type

PEFY-P NMSU-E



- Thin design with a body height of 7-7/8 in. (200 mm) (all HP models) enables installation in a ceiling with small cavity space.
- Realizes low noise operation.
- Demonstrates a maximum external static pressure of 0.2 in.WG (50 Pa) despite its compact design.
- The drain pump can be installed or not.

Static pressure 0.02−0.20 in.WG (5−50 Pa) | **Low noise** | **Height 7-7/8 in. (200 mm)** | **Drain pump (standard) Maximum lifting height 21-21/32 in. (550 mm)** | **Air flow rate 3 levels**

P.200

Medium static pressure type

PEFY-P NMAU-E4/E5

NEW

- Thin design with a body height of 9-7/8 in. (250 mm) (all HP models) enables installation in a ceiling with small cavity space.
- The position of the inlet can be selected to be at the bottom or rear.
  * Units with a bottom inlet make more noise than those with a rear inlet. The rear inlet is recommended for rooms that need to be quiet, such as bedrooms.
- Demonstrates a maximum external static pressure of 0.60 in.WG (150 Pa) despite of its compact design.

Middle Static pressure 0.14−0.60 in.WG (35−150 Pa) | **Height 9-7/8 in. (250 mm)** | **Rear inlet Bottom inlet** | **Air flow rate 3 levels**

P.202

High static pressure type

PEFY-P NMHU-E2
PEFY-P NMHSU-E

- Maximum external static pressure of 1.0 in.WG (250 Pa) allows for more flexibility in duct design.
- Compatible with drain pumps (option) 21-21/32 in. (550 mm)

Static pressure Maximum 1.0 in.WG (250 Pa) | **Drain pump (Option) Maximum lifting height 21-11/16 in. (550 mm) of lift**

P.204

Fresh air intake type

PEFY-P NMHU-E-OA

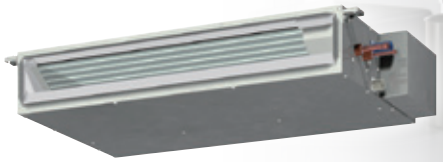
- Fresh air intake type indoor unit
- Outlet air temperature can be controlled.
- Maximum external static pressure of 1.0 in.WG (250 Pa) allows for more flexibility in duct design.

Static pressure Maximum 1.0 in.WG (250 Pa) | **Fresh air intake type** | **Drain pump Maximum lifting height 27-9/16 in. (700 mm)** | **Air flow rate 3 levels**

P.206

Ceiling concealed type
Low static pressure type

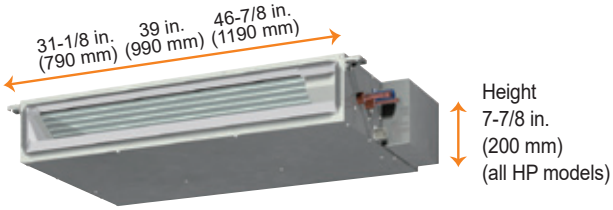
PEFY-P NMSU-E



A thin body 7-7/8 in. (200 mm) in height and a maximum external static pressure rating of 0.20 in.WG (50 Pa) provide significant flexibility of design and allow installation in narrow ceiling spaces.
The lineup consists of models up to P24 with the same height.

Compact design with a height of no more than 7-7/8 in. (200 mm) (all HP models) and widths of 31-1/8 in. (790 mm) (P06-P12).

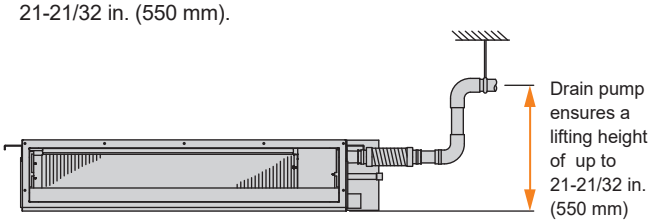
The thin body with a height of no more than 7-7/8 in. (200 mm) (all HP models) allows installation in a ceiling with small cavity space.



PEFY-P VMS1(L)-E		P15	P20	P25	P32	P40	P50	P63
Height	in. (mm)	7-7/8 (200)						
Width	in. (mm)	31-1/8 (790)				39 (990)		46-7/8 (1190)

Drain pump

The drain pump is equipped as a standard feature and eliminates the need for a drain trap. It has a maximum lifting height of 21-21/32 in. (550 mm).



Low noise design

Owing to a centrifugal fan and coil, low noise operation is realized. It is best suited to places where quietness is required.

- Sound pressure level (standard static pressure) at 0.06 in.WG (15 Pa)

dB(A)

	Capacity		P06	P08	P12	P15	P18	P24
Sound pressure level	Fan Speed	High	28	30	35	33	37	40
		Mid	24	26	28	30	34	35
		Low	22	23	23	28	30	30

Demonstrates a maximum external static pressure of 0.20 in.WG (50 Pa) despite its compact design

External static pressure can be selected from 0.02, 0.06, 0.14, 0.20 in.WG (5, 15, 35, 50 Pa) (set to 15 Pa at the time of factory shipment).

Ceiling concealed type

Low static pressure type PEFY-P NMSU-E

Model			PEFY-P06NMSU-E	PEFY-P08NMSU-E	PEFY-P12NMSU-E	PEFY-P15NMSU-E	PEFY-P18NMSU-E	PEFY-P24NMSU-E
Power source			1-phase 208 / 230V 60Hz					
Cooling capacity *1		BTU / h	6,000	8,000	12,000	15,000	18,000	24,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4	5.3	7.0
	Power input	kW	0.05 / 0.05	0.06 / 0.06	0.07 / 0.07	0.07 / 0.07	0.09 / 0.09	0.12 / 0.12
	Current input	A	0.42 / 0.41	0.51 / 0.49	0.56 /0.53	0.57 / 0.55	0.74 / 0.70	0.98 / 0.93
Heating capacity *1		BTU / h	6,700	9,000	13,500	17,000	20,000	27,000
(Nominal) *1		kW	2.0	2.6	4.0	5.0	5.9	7.9
	Power input	kW	0.03 / 0.03	0.04 / 0.04	0.05 / 0.05	0.05 / 0.05	0.07 / 0.07	0.10 / 0.10
	Current input	A	0.32 / 0.31	0.41 / 0.39	0.46 / 0.43	0.47 / 0.45	0.64 / 0.60	0.88 / 0.83
External finish			Galvanized					
External dimension		in.	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 39 x 27-9/16	7-7/8 x 39 x 27-9/16	7-7/8 x 46-7/8 x 27-9/16
H x W x D		mm	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	200 x 990 x 700	200 x 990 x 700	200 x 1,190 x 700
Net weight		lbs (kg)	42 (19)	42 (19)	46 (20)	54 (24)	54 (24)	62 (28)
Heat exchanger			Cross fin (Aluminium fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 4
	External *3 *4 static pressure	in. WG	<0.02>-0.06-<0.14>-<0.20>					
		Pa	<5>-15-<35>-<50>					
	Motor type		DC brushless motor					
	Motor output	kW	0.096					
	Driving mechanism		Direct-driven					
	Airflow rate *2 (Low-Mid-High)	cfm	176-212-247	194-247-317	211-282-370	282-335-388	353-441-529	423-565-706
		m³ / min	5-6-7	5.5-7-9	6-8-10.5	8-9.5-11	10-12.5-15	12-16-20
		L / s	83-100-117	91-116-150	91-116-150	133-158-183	167-208-250	200-267-333
Sound pressure *2 *3 level (Low-Mid-High)		dB <A>	22-24-28	23-26-30	23-28-35	28-30-33	30-34-37	30-35-40
Air filter		in. (mm)	PP Honeycomb fabric (washable)					
Diameter of refrigerant pipe(O.D.)	Liquid	in. (mm)	ø1/4 (ø6.35) Brazed	ø1/4 (ø6.35) Brazed	ø1/4 (ø6.35) Brazed	ø1/4 (ø6.35) Brazed	ø1/4 (ø6.35) Brazed	ø3/8(ø9.52) Brazed
	Gas	in. (mm)	ø1/2 (ø12.7) Brazed	ø1/2 (ø12.7) Brazed	ø1/2 (ø12.7) Brazed	ø1/2 (ø12.7) Brazed	ø1/2 (ø12.7) Brazed	ø5/8 (ø15.88) Brazed
Field drain pipe diameter		in. (mm)	O.D. 1-1/4 (32)					

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80ºFD.B./67ºFW.B. (26.7ºCD.B./19.4ºCW.B.)	95ºFD.B. (35ºCD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70ºFD.B. (21.1ºCD.B.)	47ºFD.B./43ºFW.B. (8.3ºCD.B./6.1ºCW.B.)		

*2 Airflow rate / Sound pressure level are in (low-middle-high).

*3 It is measured in anechoic room.

*4 The factory setting of external static pressure is shown without < >.
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

Optional parts

Description	Model	Remarks
External heater adapter	PAC-YU25HT	P06, P08, P12, P15, P18, P24

Ceiling concealed type
Medium static pressure type

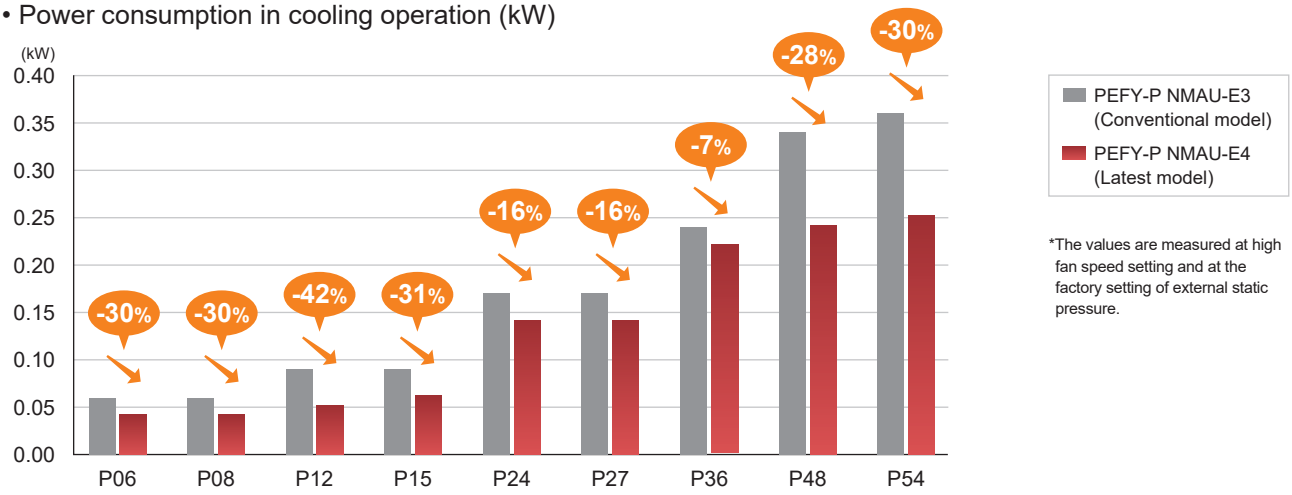
PEFY-P NMAU-E4/E5

A wide range of external static pressure and the slim 9-7/8 in. (250 mm) hight body provide design flexibility for narrow ceiling spaces. An improved air pathway structure contributing to less power consumption.

Less power consumption

The shape of fan wing and casing is improved to provides more smooth air flow. Besides, the drain pump motor is changed from AC motor to high-efficient DC motor. Operation efficiency is increased by the improvements in the air flow and motor, which realizes up to 42% reduction in energy consumption (P12).

• Power consumption in cooling operation (kW)



*The values are measured at high fan speed setting and at the factory setting of external static pressure.

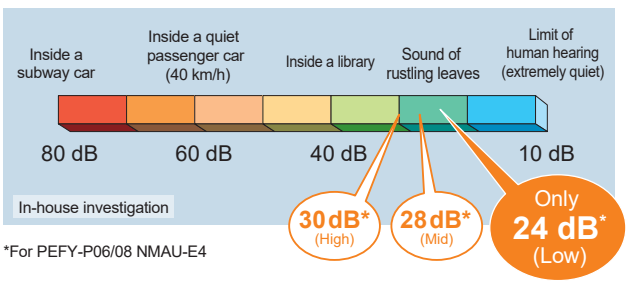
Quiet operation

Fan speed setting is available from Low-Mid-High*1. The sound pressure level*2 of P06/08 model, which is the quietest model among the new series, is as low as 24 dB at the low fan speed setting. Quiet operation contributes to a peaceful indoor environment.

*1 When fan speed setting is low, the cooling/heating capacity is subject to reduce.

*2 The values are measured in fan mode and at the factory setting of external static pressure. Operation noise may increase due to the installation environment or the operation status.

• Noise Level



*For PEFY-P06/08 NMAU-E4

External static pressure is settable up to 150 Pa.

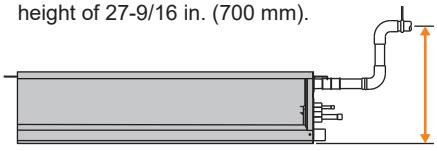
Settings range to a maximum of 150 Pa.

• External static pressure setting

Series	06	08	12	15	18	24	27	30	36	48	54
PEFY-P NMAU-E4/E5	35/50/70/100/150 Pa										

Drain pump

The drain pump is equipped as a standard feature and eliminates the need for a drain trap. It has maximum lifting height of 27-9/16 in. (700 mm).



Analog input

Analog input allows the unit to control the fan speed setting in conjunction with damper conditions.

Ceiling concealed type

Medium static pressure type PEFY-P NMAU-E4/E5

Model			PEFY-P06NMAU-E4	PEFY-P08NMAU-E4	PEFY-P12NMAU-E4	PEFY-P15NMAU-E4	PEFY-P18NMAU-E5	PEFY-P24NMAU-E4
Power source			1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz
Cooling capacity *1		BTU/h	6,000	8,000	12,000	15,000	18,000	24,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4	5.3	7.0
*2	Power input	kW	0.042	0.042	0.052	0.062	0.142	0.142
*2	Current input	A	0.42/0.38	0.42/0.38	0.56/0.51	0.64/0.58	1.24/1.12	1.24/1.12
Heating capacity *3		BTU/h	6,700	9,000	13,500	17,000	20,000	27,000
(Nominal) *3		kW	2.0	2.6	4.0	5.0	5.9	7.9
*2	Power input	kW	0.040	0.040	0.050	0.060	0.140	0.140
*2	Current input	A	0.42/0.38	0.42/0.38	0.56/0.51	0.64/0.58	1.24/1.12	1.24/1.12
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension		in.	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8
H x W x D		mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732	250 x 1,100 x 732	250 x 1,100 x 732
Net weight		lbs (kg)	47 (21)	47 (21)	47 (21)	58 (26)	67 (30)	67 (30)
Heat exchanger			Cross fin (Aluminum fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
		Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>
	Motor Type		DC motor	DC motor	DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.085	0.085	0.085	0.121	0.121	0.121
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
	Air flow rate		(Low-Mid-High)					
		cfm	212 - 265 - 300	212 - 265 - 300	265 - 318 - 371	353 - 424 - 494	618 - 742 - 883	618 - 742 - 883
		m^3/min	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0	17.5 - 21.0 - 25.0	17.5 - 21.0 - 25.0
		L/s	100 - 125 - 142	100 - 125 - 142	125 - 150 - 175	167 - 200 - 233	292 - 350 - 417	292 - 350 - 417
Sound pressure level			(Low-Mid-High)					
(measured in anechoic room) *2		dB<A>	24-28-30	24-28-30	26-30-34	27-31-34	31-35-39	31-35-39
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of	Liquid (R410A)	inch (mm)	1/4 (6.35)Brazed	1/4 (6.35)Brazed	1/4 (6.35)Brazed	1/4 (6.35)Brazed	1/4 (6.35)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas (R410A)	inch (mm)	1/2 (12.7)Brazed	1/2 (12.7)Brazed	1/2 (12.7)Brazed	1/2 (12.7)Brazed	1/2 (12.7)Brazed	5/8 (15.88)Brazed
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)

Model			PEFY-P27NMAU-E4	PEFY-P30NMAU-E5	PEFY-P36NMAU-E4	PEFY-P48NMAU-E4	PEFY-P54NMAU-E4
Power source			1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz
Cooling capacity *1		BTU/h	27,000	30,000	36,000	48,000	54,000
(Nominal) *1		kW	7.9	8.8	10.6	14.1	15.8
*2	Power input	kW	0.142	0.222	0.222	0.242	0.252
*2	Current input	A	1.24/1.12	2.01/1.82	2.01/1.82	2.06/1.87	2.29/2.07
Heating capacity *3		BTU/h	30,000	34,000	40,000	54,000	60,000
(Nominal) *3		kW	8.8	10.0	11.7	15.8	17.6
*2	Power input	kW	0.140	0.220	0.220	0.240	0.250
*2	Current input	A	1.24/1.12	2.01/1.82	2.01/1.82	2.06/1.87	2.29/2.07
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension		in.	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8
H x W x D		mm	250 x 1,100 x 732	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732
Net weight		lbs (kg)	67 (30)	84 (38)	84 (38)	86 (39)	91 (41)
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3
*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
		Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>
	Motor Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.121	0.300	0.300	0.300	0.300
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
	Air flow rate		(Low-Mid-High)				
		cfm	618 - 742 - 883	883 - 1,077 - 1,271	883 - 1,077 - 1,271	918 - 1,112 - 1,306	989 - 1,201 - 1,413
		m^3/min	17.5 - 21.0 - 25.0	25.0 - 30.5 - 36.0	25.0 - 30.5 - 36.0	26.0 - 31.5 - 37.0	28.0 - 34.0 - 40.0
		L/s	292 - 350 - 417	417 - 508 - 600	417 - 508 - 600	433 - 525 - 617	467 - 567 - 667
Sound pressure level			(Low-Mid-High)				
(measured in anechoic room) *2		dB<A>	31-35-39	35-39-43	35-39-43	35-40-44	34-38-42
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of	Liquid (R410A)	inch (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas (R410A)	inch (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)

Notes:

*1,*3 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 The values are measured at the factory setting of external static pressure.

*4 The factory setting of external static pressure is shown without < >.
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

Optional parts

Description	Model	Remarks
Filter box	PAC-KE91TB-E	P06, P08, P12
	PAC-KE92TB-E	P15
	PAC-KE93TB-E	P18, P24, P27
	PAC-KE94TB-E	P30, P36, P48
	PAC-KE95TB-E	P54
External heater adapter	PAC-YU25HT	P06, P08, P12, P15, P18, P24, P27, P30, P36, P48, P54

Ceiling concealed type
High static pressure type

PEFY-P NMHU-E2
PEFY-P NMHSU-E

PEFY-P NMHU-E2

PEFY-P NMHSU-E

A wide range of external static pressure allows authentic duct air-conditioning with an elegant interior layout.

Maximum external static pressure of 1.00 in.WG [250 Pa]

The additional external static pressure capacity provides flexibility for duct extension, branching and air outlet configuration.

			P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
External static pressure	208V	in.WG	0.40 - 1.00								0.20-0.40-0.60-0.80-1.00	
		Pa	100 - 250								50-100-150-200-250	
	230V	in.WG	0.60 - 1.00								0.20-0.40-0.60-0.80-1.00	
		Pa	150 - 250								50-100-150-200-250	

Reduced sound pressure level achieved with latest designed centrifugal fan

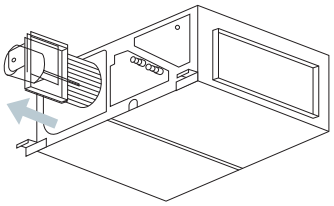
• Sound pressure level table (Standard static pressure 230 V)

dB(A)

	Capacity		P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
Sound pressure level	Fan speed	High	45	45	46	44	44	46	46	47	43	46
		Low	39	39	40	38	38	40	40	41	36	39

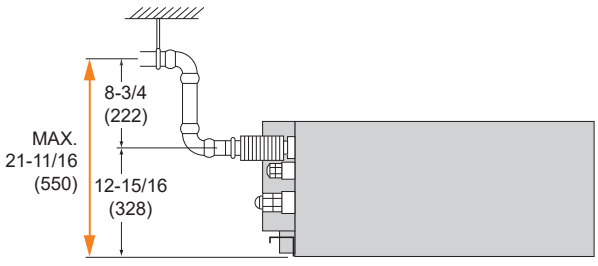
Maintenance from one side

Maintenance of the unit, including fan inspection and fan motor removal, can be conducted from the inspection opening on one side of the unit .



Drain pump (option) ensures a lift of up to 21-11/16 in. (550 mm)

The introduction of an upper drain pump allows the drain connection to be raised as high as 21-11/16 in. (550 mm), allowing more freedom in piping layout design and reducing horizontal piping requirements.



in. (mm)

Ceiling concealed type

High static pressure type PEFY-P NMHU-E2/PEFY-P NMHSU-E

Model			PEFY-P15NMHU-E2	PEFY-P18NMHU-E2	PEFY-P24NMHU-E2	PEFY-P27NMHU-E2	PEFY-P30NMHU-E2
Power source			1-phase 208/230 V 60 Hz				
Cooling capacity	*1	BTU/h	15,000	18,000	24,000	27,000	30,000
(Nominal)	*1	kW	4.4	5.3	7.0	7.9	8.8
*2	Power input (208/230 V)	kW	0.270/0.280	0.270/0.280	0.330/0.320	0.390/0.390	0.450/0.450
*2	Current input (208/230 V)	A	1.32/1.25	1.32/1.25	1.61/1.43	1.90/1.73	2.20/2.00
Heating capacity	*3	BTU/h	17,000	20,000	27,000	30,000	34,000
(Nominal)	*3	kW	5.0	5.9	7.9	8.8	10.0
*2	Power input (208/230 V)	kW	0.250/0.260	0.250/0.260	0.310/0.300	0.370/0.370	0.430/0.430
*2	Current input (208/230 V)	A	1.21/1.14	1.21/1.14	1.50/1.32	1.79/1.62	2.09/1.89
External finish			Galvanized steel plate				
External dimension		in.	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 40-9/16 x 35-7/16	15 x 40-9/16 x 35-7/16
H x W x D		mm	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 1,030 x 900	380 x 1,030 x 900
Net weight		lbs (kg)	98 (44)	98 (44)	100 (45)	124 (56)	124 (56)
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2
*4	External static press. (208 V)	in.WG	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>
		Pa	<100> - <250>	<100> - <250>	<100> - <250>	<100> - <250>	<100> - <250>
	(230 V)	in.WG	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00
		Pa	<150> - 250	<150> - 250	<150> - 250	<150> - 250	<150> - 250
	Motor Type		1-phase induction motor				
	Motor output	kW	0.17	0.17	0.25	0.26	0.31
	Driving mechanism		Direct-driven by motor				
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-High)	(Low-High)
		cfm	353 - 494	353 - 494	477 - 671	547 - 777	636 - 883
		m³/min	10.0 - 14.0	10.0 - 14.0	13.5 - 19.0	15.5 - 22.0	18.0 - 25.0
		L/s	167 - 233	167 - 233	225 - 317	258 - 367	300 - 417
Sound pressure level		*2	(Low-High)	(Low-High)	(Low-High)	(Low-High)	(Low-High)
(measured in anechoic room)	(208 V)	dB <A>	39 - 45	39 - 45	40 - 46	38 - 44	38 - 44
	(230 V)	dB <A>	39 - 45	39 - 45	40 - 46	38 - 44	38 - 44
Air filter			Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.				
Diameter of	Liquid	in. (mm)	1/4 (6.35)Brazed	1/4 (6.35)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas	in. (mm)	1/2 (12.7)Brazed	1/2 (12.7)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed
Field drain pipe size		in. (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)

Model			PEFY-P36NMHU-E2	PEFY-P48NMHU-E2	PEFY-P54NMHU-E2	PEFY-P72NMHSU-E	PEFY-P96NMHSU-E
Power source			1-phase 208/230 V 60 Hz				
Cooling capacity	*1	BTU/h	36,000	48,000	54,000	72,000	96,000
(Nominal)	*1	kW	10.6	14.1	15.8	21.1	28.1
*2	Power input (208/230 V)	kW	0.620/0.610	0.620/0.610	0.630/0.620	0.63	0.82
*2	Current input (208/230 V)	A	3.10/2.74	3.10/2.74	3.11/2.78	3.67/3.32	4.89/4.43
Heating capacity	*3	BTU/h	40,000	54,000	60,000	80,000	108,000
(Nominal)	*3	kW	11.7	15.8	17.6	23.4	31.7
*2	Power input (208/230 V)	kW	0.600/0.590	0.600/0.590	0.610/0.600	0.63	0.82
*2	Current input (208/230 V)	A	2.99/2.63	2.99/2.63	3.00/2.67	3.67/3.32	4.89/4.43
External finish			Galvanized steel plate				
External dimension		in.	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	18-9/16 x 49-1/4 x 44-1/8	18-9/16 x 49-1/4 x 44-1/8
H x W x D		mm	380 x 1,195 x 900	380 x 1,195 x 900	380 x 1,195 x 900	470 x 1,250 x 1,120	470 x 1,250 x 1,120
Net weight		lbs (kg)	153 (69)	153 (69)	157 (71)	214 (97)	221 (100)
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
*4	External static press. (208 V)	in.WG	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>
		Pa	<100> - <250>	<100> - <250>	<100> - <250>	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>
	(230 V)	in.WG	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>
		Pa	<150> - 250	<150> - 250	<150> - 250	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>
	Motor Type		1-phase induction motor			1-phase DC motor	
	Motor output	kW	0.49	0.49	0.55	0.870	0.870
	Driving mechanism		Direct-driven by motor			Inverter-control	
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-Mid-High)	(Low-Mid-High)
		cfm	936 - 1,342	936 - 1,342	989 - 1,412	1,766 - 2,154 - 2,542	2,048 - 2,507 - 2,966
		m³/min	26.5 - 38.0	26.5 - 38.0	28.0 - 40.0	50.0 - 61.0 - 72.0	58.0 - 71.0 - 84.0
		L/s	442 - 633	442 - 633	467 - 667	833 - 1,017 - 1,200	967 - 1,183 - 1,400
Sound pressure level		*2	(Low-High)	(Low-High)	(Low-High)	(Low-Mid-High)	(Low-Mid-High)
(measured in anechoic room)	(208 V)	dB <A>	40 - 46	40 - 46	41 - 47	36 - 39 - 43	39 - 42 - 46
	(230 V)	dB <A>	40 - 46	40 - 46	41 - 47	36 - 39 - 43	39 - 42 - 46
Air filter			Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.				
Diameter of	Liquid	in. (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas	in. (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	3/4 (19.05)Brazed	7/8 (22.22)Brazed
Field drain pipe size		in. (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)

Notes:

*1,*3 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 The values are measured at the rated external static pressure.

*4 The rated external static pressure is shown without < >. The factory setting is the rated value.

Optional parts

Description	Model	Applicable capacity	Remarks
Drain pump	PAC-KE05DM-F	P72, P96	-
Long life filter	PAC-KE86LAF	P15, P18, P24	Filter is NOT attached as standard
	PAC-KE88LAF	P27, P30	
	PAC-KE89LAF	P36, P48, P54	
	PAC-KE85LAF	P72, P96	

Description	Model	Applicable capacity	Remarks
Filter box	PAC-KE63TB-F	P15, P18, P24	Necessary when long life filter is used
	PAC-KE80TB-F	P27, P30	
	PAC-KE140TB-F	P36, P48, P54	
	PAC-KE250TB-F	P72, P96	
External heater adapter	PAC-YU25HT	P15, P18, P24, P27 P30, P36, P48, P54, P72, P96	-

Ceiling concealed type
Fresh air intake type

PEFY-P NMHU-E-OA

PEFY-P36/48NMHU-E-OA

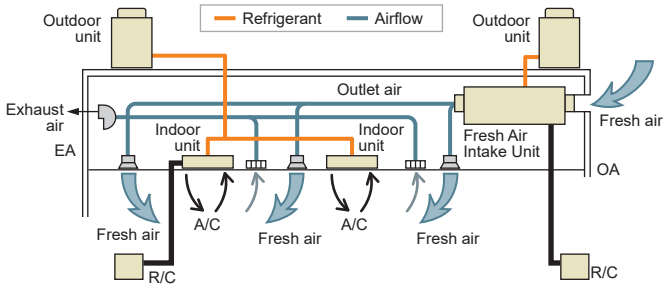
PEFY-P72/96NMHU-E-OA

An outlet air temperature control function contributes to enhancing the quality of fresh air intake

Enables intake of outside air

Fresh air can be taken in by using the temperature control function. Fresh air intake is available for each air-conditioning zone.

* Fresh air intake type indoor units are designed to supply pretreated outside air to the room. The feature should not be used to control internal thermal load.



Controllable outlet air temperature

Pre-treating the intake air before it is supplied to the room contributes to the stability of room temperature, ensuring optimized comfort for occupants.

* Outlet air temperature may fluctuate, depending on the outside air temperature and the operating status of indoor and outdoor units.
* A PAR-30MAOA is required to change the settings of PEFY-P NMHU-E-OA from a remote controller.
* An AE-200A Ver. 7.7 or later is required to operate PEFY-P NMHU-E-OA from a system controller.

Remote Controller (PAR-30MAOA)

Easy-to-use MA remote controller featuring full dot LCD screen with backlight

Three patterns of external static pressure and fan speed settings

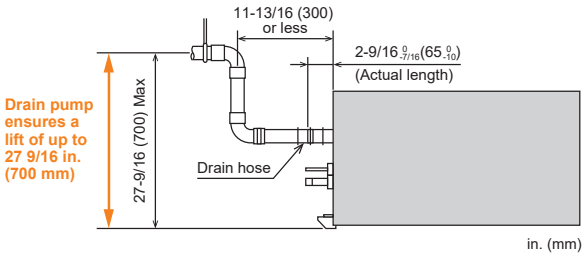
Our lineup includes models from 36,000 to 96,000 BTU/h. Three patterns of external static pressure and fan speed settings (350-1,200 cfm) are available to suit your air-conditioning needs.

* The "very low mode" is available for use in heating mode when outside temperature is between 23°F(-5°C) and 14°F(-10°C).

Model	P36	P48	P72	P96
External static pressure (in.WG)	0.60-0.80-1.00			
Fan speed *	Low-Mid-High			
Airflow rate (cfm)	350-400-450	500-550-600	700-800-900	1,000-1,100-1,200

Built-in drain pump

This indoor unit contains a built-in drain pump having a lift of 27-9/16 in. (700 mm) for greater design flexibility.



Ceiling concealed type
Fresh air intake type PEFY-P NMHU-E-OA

Model			PEFY-P36NMHU-E-OA	PEFY-P48NMHU-E-OA	PEFY-P72NMHU-E-OA	PEFY-P96NMHU-E-OA
Power source			1-phase 208-230V 60Hz			
Cooling capacity *1		BTU/h	36,000	48,000	72,000	96,000
(Nominal) *1		kW	10.5	14.1	21.1	28.1
*2	Power input	kW	0.13	0.18	0.22	0.32
*2	Current input (208 V)	A	1.25	1.59	1.86	2.56
Temp. range of cooling			63°F(17.2°C)DB ~ 118°F(47.7°C)DB Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 63°F(17.2°C)DB The fan speed automatically runs at a very low speed if the outdoor temperature is higher than 109°F(43°C)DB.			
Heating capacity *3		kW	6.2	8.2	12.6	16.7
(Nominal) *3		BTU/h	21,000	28,000	43,000	57,000
*2	Power input	kW	0.14	0.20	0.24	0.33
*2	Current input (208 V)	A	1.09	1.46	1.70	2.42
Temp. range of heating			14°F(-10°C)DB ~ 59°F(15°C)DB Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 59°F(15.0°C)DB.			
External finish			Galvanized	Galvanized	Galvanized	Galvanized
External dimension		in.	15×47-1/16×35-7/16	15×47-1/16×35-7/16	18-9/16×49-1/4×44-1/8	18-9/16×49-1/4×44-1/8
H x W x D		mm	380×1,195×900	380×1,195×900	470×1,250×1,120	470×1,250×1,120
Net weight		lbs (kg)	109 (49)	109 (49)	177 (80)	183 (83)
Heat exchanger			Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)
FAN	Type x Quantity		Sirocco fan × 1	Sirocco fan × 1	Sirocco fan × 2	Sirocco fan × 2
*4 *5	External static pressure	in.WG	0.60-0.80-1.00	0.60-0.80-1.00	0.60-0.80-1.00	0.60-0.80-1.00
		Pa	<150>-200-<250>	<150>-200-<250>	<150>-200-<250>	<150>-200-<250>
	Motor Type		DC motor	DC motor	DC motor	DC motor
	Motor output	kW	0.244	0.244	0.375	0.375
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
*5			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
	Air flow rate	cfm	350-400-450	500-550-600	700-800-900	1000-1100-1200
		m^3/min	9.9-11.3-12.7	14.2-15.6-17.0	19.8-22.7-25.5	28.3-31.1-34.0
		L/s	165-188-212	237-260-283	330-378-425	472-518-567
*6	Airflow rate	cfm	327	428	700	790
	(Very low)	m^3/min	9.1	11.9	19.8	22.4
		L/s	152	198	330	373
Sound pressure level			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
		dB <A>	35-38-40	38-40-41	34-38-42	39-41-44
Air filter			Field supply	Field supply	Field supply	Field supply
Refrigerant pipe diameter	Liquid	in. (mm)	ø3/8 (ø9.52) Brazed	ø3/8 (ø9.52) Brazed	ø3/8 (ø9.52) Brazed	ø3/8 (ø9.52) Brazed
	Gas	in. (mm)	ø5/8 (ø15.88) Brazed	ø5/8 (ø15.88) Brazed	ø3/4 (ø19.05) Brazed	ø7/8 (ø22.22) Brazed
Field drain pipe size		in. (mm)	O.D ø1-1/4 (32) ×2	O.D ø1-1/4 (32) ×2	O.D ø1-1/4 (32) ×2	O.D ø1-1/4 (32) ×2

Notes:

*1,*3 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	91ºFD.B./82ºFW.B. (32.7ºCD.B./27.8ºCW.B.)	91ºFD.B. (32.7ºCD.B.)	25ft. (7.5m)	0ft. (0m)
Heating	32ºFD.B./27ºFW.B. (0ºCD.B./-2.9ºCW.B.)	32ºFD.B./27ºFW.B. (0ºCD.B./-2.9ºCW.B.)		

*2 The value are measured at the factory setting of airflow mode and external static pressure.

*4 The factory setting of airflow mode and external static pressure mode is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

*5 If the airflow rate is over the usable range, dew drop can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface can be caused.

*6 The very low mode is not selectable from the remote controller. The unit will automatically operate in the very low mode when the outside temperature exceeds 109°F(42.8°C) in the Cooling mode or drops below 14°F(-10°C) in the Heating mode.

- The combination of fresh air intake type indoor units with other types of indoor units to handle internal thermal load which may cause the conflict of operation mode. It is not recommended when fresh air intake type indoor unit is connected to the Y or WY series.
- Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the desired preset temperature may not always be achieved and the discharge temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below 23°F(-5°C)).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake type indoor units needs to be 30% or less of the connected outdoor unit capacity.
- The AUTO mode on the local remote controller is available only when fresh air intake type indoor unit is connected to the R2 or WR2 series of outdoor unit.
- The system changeover function is available only when all the connected indoor units are fresh air intake type indoor units.
- The fan temporary stops during defrost.
- The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 25 ft(7.5 m) and a level difference of 0 m.
- The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information in DATA BOOK for the details.
- Thermo off (Fan) operation automatically starts either when temperature is lower than 63°F(17.2°C)DB in cooling mode or when the temperature exceeds 59°F(15.0°C)DB in heating mode.
- Dry mode is not available.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation. Please be careful when positioning indoor unit air outlet grilles, ie take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Air filter must be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.
- Before switching ducts by using a damper, be sure to bring the indoor unit to a stop to prevent malfunction. Make sure to set the static pressure in all ducts within the range specified in the P-Q line diagram in the DATA BOOK.
- This indoor unit does not interlock with an electric heater.
- Regarding P96NMHU-E-OA, the low notch airflow rate is different from the spec value when the external static pressure setting is set to 150 Pa. See "Fan characteristics curves" in DATA BOOK for the details.

Multi-position air handler

PVFY-P NAMU-E1

Multi-position capabilities allow for installation in vertical, horizontal left, or horizontal right positions with no additional kit requirements, even for down-flow configuration

PVFY multi-position air handlers can be connected to a system with other CITY MULTI indoor units for system design flexibility. The multi-position design is suitable for various applications, requiring no additional kits even for a down-flow configuration, making it ideal for installation in a closet, attic, or equipment room.
The PVFY offers quiet operation with a variable speed, highly efficient DC motor featuring a forward curved blower, allowing constant personalized comfort at three different fan speeds and external static pressures.

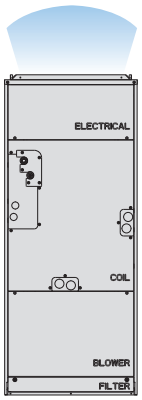
Lineup from P08 (8000BTU)

The broad lineup from P08 to P54 offers flexible proposals tailored to diverse customer needs and applications.

Four installation position options

The unit can be installed in one of four different positions to suit the space it is installed in. For example, install the unit vertically to minimize its footprint, or install it horizontally in a ceiling space.

- Vertical airflow



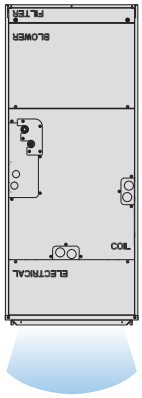
- Horizontal left airflow

Fan assembly rotation required

- Horizontal right airflow

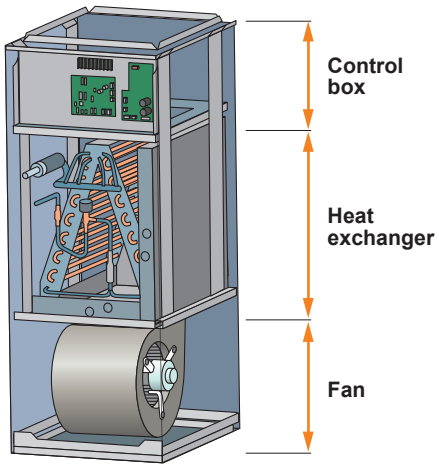
Fan assembly rotation not required

- Down flow



Easy maintenance

The control box, heat exchanger, and fan are in separate sections, for easy maintenance.



Selectable external static pressures up to 0.80

- External static pressure setting

Series	08	12	18	24	30	36	48	54
PVFY-P NAMU-E1	0.30/0.50/0.80 in.WG							
	75/125/200 Pa							

Multi-position air handler PVFY-P NAMU-E1

Model			PVFY-P08NAMU-E1	PVFY-P12NAMU-E1	PVFY-P18NAMU-E1	PVFY-P24NAMU-E1
Power source			1-phase 208/230 V 60 Hz			
Cooling capacity *1		BTU/h	8,000	12,000	18,000	24,000
		kW	2.3	3.5	5.3	7.0
*2	Power input	kW	0.080	0.080	0.130	0.180
*2	Current input	A	0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40
Heating capacity *1		BTU/h	9,000	13,500	20,000	27,000
		kW	2.6	4.0	5.9	7.9
*2	Power input	kW	0.080	0.080	0.130	0.180
*2	Current input	A	0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40
External finish			Black galvanized steel cabinet			
External dimension		in.	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8
H x W x D		mm	1,275 x 432 x 548	1,275 x 432 x 548	1,275 x 432 x 548	1,275 x 432 x 548
Net weight		lbs (kg)	113 (51)	113 (51)	113 (51)	113 (51)
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1
	External static press. *3	in.WG	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>
		Pa	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>
	Motor Type		DC motor			
	Motor output	kW	0.121	0.121	0.121	0.121
	Driving mechanism		Direct-driven by motor			
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
		cfm	280 - 340 - 400	280 - 340 - 400	410 - 497 - 585	515 - 625 - 735
		m^3/min	7.9 - 9.6 - 11.3	7.9 - 9.6 - 11.3	11.6 - 14.1 - 16.6	14.6 - 17.7 - 20.8
		L/s	132 - 160 - 188	132 - 160 - 188	193 - 235 - 277	243 - 295 - 347
Sound pressure level		*2	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
(measured in anechoic room)		dB <A>	27-31-35	27-31-35	28-32-36	30-34-38
Air filter			PP honeycomb fabric.			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of	Liquid (R410A)	in. (mm)	1/4 (6.35)Brazed	1/4 (6.35)Brazed	1/4 (6.35)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas (R410A)	in. (mm)	1/2 (12.7)Brazed	1/2 (12.7)Brazed	1/2 (12.7)Brazed	5/8 (15.88)Brazed
Field drain pipe size		in. (mm)	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT

Model			PVFY-P30NAMU-E1	PVFY-P36NAMU-E1	PVFY-P48NAMU-E1	PVFY-P54NAMU-E1
Power source			1-phase 208/230 V 60 Hz			
Cooling capacity *1		BTU/h	30,000	36,000	48,000	54,000
		kW	8.8	10.6	14.1	15.8
*2	Power input	kW	0.210	0.340	0.420	0.480
*2	Current input	A	2.00/1.70	3.00/2.70	3.50/3.30	3.90/3.70
Heating capacity *1		BTU/h	34,000	40,000	54,000	60,000
		kW	10.0	11.7	15.8	17.6
*2	Power input	kW	0.210	0.340	0.420	0.480
*2	Current input	A	2.00/1.70	3.00/2.70	3.50/3.30	3.90/3.70
External finish			Black galvanized steel cabinet			
External dimension		in.	54-1/4 x 21 x 21-5/8	54-1/4 x 21 x 21-5/8	59-1/2 x 25 x 21-5/8	59-1/2 x 25 x 21-5/8
H x W x D		mm	1,378 x 534 x 548	1,378 x 534 x 548	1,511 x 635 x 548	1,511 x 635 x 548
Net weight		lbs (kg)	141 (64)	141 (64)	172 (78)	172 (78)
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1
	External static press. *3	in.WG	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80*4>	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80*4>
		Pa	<75> - 125 - <200>	<75> - 125 - <200*4>	<75> - 125 - <200>	<75> - 125 - <200*4>
	Motor Type		DC motor			
	Motor output	kW	0.244	0.244	0.43	0.43
	Driving mechanism		Direct-driven by motor			
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
		cfm	613 - 744 - 875	767 - 931 - 1,095	980 - 1,190 - 1,400	1,040 - 1,262 - 1,485
		m^3/min	17.3 - 21.1 - 24.8	21.7 - 26.4 - 31.0	27.7 - 33.7 - 39.6	29.4 - 35.7 - 42.0
		L/s	288 - 352 - 413	362 - 440 - 517	462 - 562 - 660	490 - 595 - 700
Sound pressure level		*2	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
(measured in anechoic room)		dB <A>	32-36-40	35-39-43	35-39-43	36-40-44
Air filter			PP honeycomb fabric.			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of	Liquid (R410A)	in. (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed
refrigerant pipe	Gas (R410A)	in. (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed
Field drain pipe size		in. (mm)	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 The values are measured at the rated external static pressure.
*3 The rated external static pressure is shown without < >.
*4 Maximum external static pressure in case of downflow for PVFY-P36: 0.60 in.WG/150 Pa.
Maximum external static pressure in case of downflow for PVFY-P54: 0.70 in.WG/175 Pa.

Optional parts

Description	Model	Remarks
External heater adapter	PAC-YU25HT	P08, P12, P18, P24, P30, P36, P48, P54

Ceiling suspended type

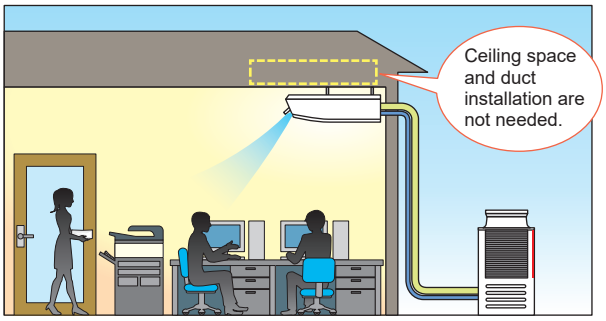
Ceiling suspended type

PCFY-P NKMU

A stylish indoor unit design and optional drain pump expand installation possibilities.

Easy installation

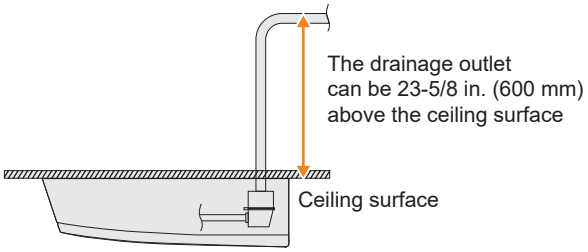
The ceiling suspended cassette can easily be installed without requiring ductwork, even if the ceiling does not have sufficient space.



Drain pumps can be supported throughout the horsepower range. (Optional)

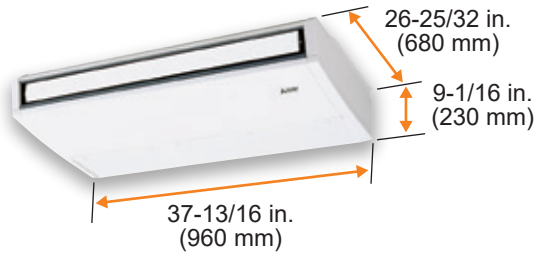
The optional drain pump allows the drain connection to be raised as high as 23-5/8 in. (600 mm), expanding flexibility in choosing an installation location.

• Drain pump installation



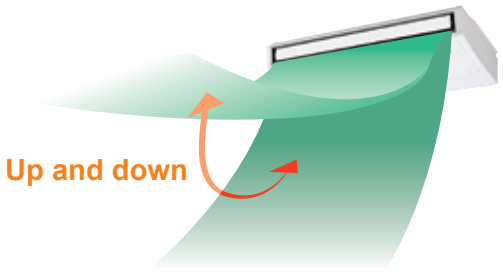
A height of 9-1/16 in. (230 mm) for harmony with the interior design

Sleek and slim with stylishly curved lines, the PCFY-Series blends right into any interior.



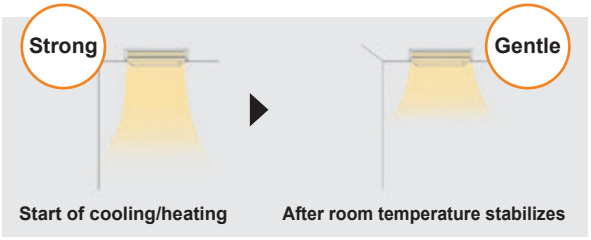
Auto vane control

Outlet vanes can be moved up and down using the remote controller. This improved airflow control feature helps eliminate the cold draft feeling.



Automatic air-speed adjustment

An automatic air-speed mode automatically adjusts airflow speed to maintain comfortable room conditions at all times. This setting automatically adjusts the air speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable and comfortable heating/cooling operation.



Ceiling suspended type PCFY-P NKMU-E

Model			PCFY-P15NKMU-E	PCFY-P24NKMU-E	PCFY-P30NKMU-E	PCFY-P36NKMU-E
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		BTU / h	15,000	24,000	30,000	36,000
(Nominal) *1		kW	4.4	7.0	8.8	10.6
	Power input	kW	0.03	0.04	0.09	0.11
	Current input	A	0.35	0.41	0.83	0.97
Heating capacity *1		BTU / h	17,000	27,000	34,000	40,000
(Nominal) *1		kW	5.0	7.9	10.0	11.7
	Power input	kW	0.03	0.04	0.09	0.11
	Current input	A	0.35	0.41	0.83	0.97
External finish			MUNSELL (6.4Y 8.9/0.4)			
External dimension		in.	9-1/16 x 37-13/16 x 26-3/4	9-1/16 x 50-3/8 x 26-3/4	9-1/16 x 63 x 26-3/4	9-1/16 x 63 x 26-3/4
H x W x D		mm	230 x 960 x 680	230 x 1,280 x 680	230 x 1,600 x 680	230 x 1,600 x 680
Net weight		lbs (kg)	53 (24)	71 (32)	79 (36)	84 (38)
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 4	Sirocco fan x 4
	External static pressure	in. WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)
		Pa	0	0	0	0
		in. WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)
		Pa	0	0	0	0
	Motor type		DC motor			
	Motor output	kW	0.090	0.095	0.160	0.160
	Driving mechanism		Direct-driven			
	Airflow rate *2 (Low-Mid2-Mid1-High)	cfm	353-388-424-459	494-530-565-636	703-777-883-989	742-847-953-1,095
		m^3 / min	10-11-12-13	14-15-16-18	20-22-25-28	21-24-27-31
		L / s	167-183-200-217	233-250-267-300	333-367-417-467	350-400-450-517
Sound pressure level *2 *3 (Low-Mid2-Mid1-High)		dB <A>	29-32-34-36 (208-230V)	31-33-35-37 (208-230V)	34-37-40-43 (208-230V)	36-39-42-44 (208-230V)
		dB <A>	–	–	–	–
		dB <A>	–	–	–	–
Air filter			PP honeycomb (anti-virus type)			
Diameter of refrigerant pipe(O.D.)	Liquid	in. (mm)	ø1/4 (ø6.35) Flare	ø3/8 (ø9.52) Flare	ø3/8 (ø9.52) Flare	ø3/8 (ø9.52) Flare
	Gas	in. (mm)	ø1/2 (ø12.7) Flare	ø5/8 (ø15.88) Flare	ø5/8 (ø15.88) Flare	ø5/8 (ø15.88) Flare
Field drain pipe diameter		in. (mm)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80ºFD.B./67ºFW.B. (26.7ºCD.B./19.4ºCW.B.)	95ºFD.B. (35ºCD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70ºFD.B. (21.1ºCD.B.)	47ºFD.B./43ºFW.B. (8.3ºCD.B./6.1ºCW.B.)		

*2 Airflow rate / Sound pressure level are in (low-middle2-middle1-high).

*3 It is measured in anechoic room.

Optional parts

Description	Model	Remarks
i-see Sensor	PAC-SH91MK-E	P15, P24, P30, P36
i-see Sensor & wireless remote controller kit	PAR-SA92MW-E	P15, P24, P30, P36
Wireless remote controller kit	PAR-SL93B-E	P15, P24, P30, P36
Drain pump	PAC-SH83DM-E	P15
	PAC-SH84DM-E	P24, P30, P36
High efficiency filter element	PAC-SH88KF-E	P15
	PAC-SH89KF-E	P24
	PAC-SH90KF-E	P30, P36
External heater adapter	PAC-YU25HT	P15, P24, P30, P36

Wall-mounted type

Wall-mounted type

PKFY-P NLMU-E
PKFY-P NKMU-E2


PKFY-P04-12NLMU-E


PKFY-P15/P18NLMU-E


PKFY-P24/P30NKMU-E2

Its sophisticated design matches any room interior without disturbing the atmosphere of the room.

A design that matches any room interior (NLMU model)

A sharp and simple form combines beauty and function. The simple square design harmonizes beautifully with the straight lines of the walls, floor and ceiling. The white body color has been adopted to enhance the beauty and comfort of a room without disturbing its atmosphere.

Conventional model


PKFY-P NBMU <P06>


PKFY-P NHMU <P08–P18>

Latest model


PKFY-P NLMU <P04-P12>

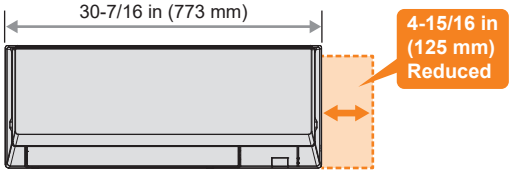

PKFY-P NLMU <P15/18>

Lineup

The broad lineup from P04 to P30 offers flexible proposals tailored to diverse customer needs and applications.

		P04	P06	P08	P12	P15	P18	P24	P30
Conventional	NBMU		●						
Conventional	NHMU			●	●	●	●		
Latest	NLMU	●	●	●	●	●	●		
Latest	NKMU							●	●

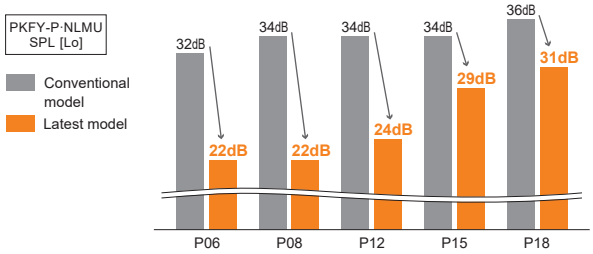
• Compact indoor units (P08/12)



*Compared to the conventional model (PKFY-P NHMU)

Reduced noise level

The noise level has been reduced compared to the conventional model (PKFY-P NBMU/NHMU) by improving the unit structure, including the line flow fan.



*Measurement condition (Fan speed: Low)
*Measured in an anechoic room

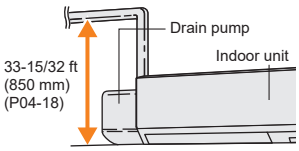
Improved airflow control

The NLMU model provides 4 fan speeds and an auto mode. Additionally, the vane angle can be set to five steps. This enables air conditioning as desired.

		Fan Speed	Vane Control	
			Vane Angle	Swing mode
Conventional	PKFY-P** NBMU	4 speeds	4 steps	----
	PKFY-P** NHMU	3 speeds + AUTO	5 steps	✓
Latest	PKFY-P** NLMU-E	4 speeds + AUTO	5 steps	✓

Optional drain pump

The optional drain pump allows the drain connection to be raised as high as 33-15/32 ft (850 mm) (P04-18), allowing more flexibility in piping layout design.



Wall-mounted type PKFY-P NLMU-E

Model			PKFY-P04NLMU-E	PKFY-P06NLMU-E	PKFY-P08NLMU-E
Power source			1-phase 208-230V 60Hz		
Cooling capacity (Nominal)	*1	BTU/h	4,000	6,000	8,000
	*1	kW	1.1	1.8	2.3
	Power input	kW	0.02	0.02	0.03
	Current input	A	0.20	0.20	0.25
Heating capacity (Nominal)	*1	BTU/h	4,500	6,700	9,000
	*1	kW	1.3	2.0	2.6
	Power input	kW	0.01	0.01	0.02
	Current input	A	0.15	0.15	0.20
External finish			Plastic, MUNSELL (0.7PB 9.2/0.4)		
External dimension H x W x D		in.	11-25/32 x 30-7/16 x 9-11/32	11-25/32 x 30-7/16 x 9-11/32	11-25/32 x 30-7/16 x 9-11/32
		mm	299 x 773 x 237	299 x 773 x 237	299 x 773 x 237
Net weight		lbs (kg)	23.6 (10.7)	24.5 (11.1)	24.5 (11.1)
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Line flow fan x 1	Line flow fan x 1	Line flow fan x 1
	External static pressure	in.WG	0	0	0
		Pa	0	0	0
	Motor type		DC motor		
	Motor output	kW	0.030	0.030	0.030
	Driving mechanism		Direct-driven		
	Airflow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm	117-124-134-148	141-155-173-191	141-162-191-237
		m^3/min	3.3-3.5-3.8-4.2	4.0-4.4-4.9-5.4	4.0-4.6-5.4-6.7
		L/s	55-58-63-70	67-73-82-90	67-77-90-112
Sound pressure level	*2		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		dB <A>	22-24-26-28	22-26-29-31	22-27-31-35
Air filter			PP honeycomb		
Diameter of refrigerant pipe	Liquid (R410A)	in.(mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in.(mm)	1/2 (12.70) Flare	1/2 (12.70) Flare	1/2 (12.70) Flare
Field drain pipe size		in.(mm)	I.D. 5/8 (16)	I.D. 5/8 (16)	I.D. 5/8 (16)
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.		

Model			PKFY-P12NLMU-E	PKFY-P15NLMU-E	PKFY-P18NLMU-E
Power source			1-phase 208-230V 60Hz		
Cooling capacity (Nominal)	*1	BTU/h	12,000	15,000	18,000
	*1	kW	3.5	4.4	5.3
	Power input	kW	0.04	0.04	0.05
	Current input	A	0.35	0.35	0.45
Heating capacity (Nominal)	*1	BTU/h	13,500	17,000	20,000
	*1	kW	4.0	5.0	5.9
	Power input	kW	0.03	0.03	0.04
	Current input	A	0.30	0.30	0.40
External finish			Plastic, MUNSELL (0.7PB 9.2/0.4)		
External dimension H x W x D		in.	11-25/32 x 30-7/16 x 9-11/32	11-25/32 x 35-3/8 x 9-11/32	11-25/32 x 35-3/8 x 9-11/32
		mm	299 x 773 x 237	299 x 898 x 237	299 x 898 x 237
Net weight		lbs (kg)	24.5 (11.1)	28.4 (12.9)	28.4 (12.9)
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Line flow fan x 1	Line flow fan x 1	Line flow fan x 1
	External static pressure	in.WG	0	0	0
		Pa	0	0	0
	Motor type		DC motor		
	Motor output	kW	0.030	0.030	0.030
	Driving mechanism		Direct-driven		
	Airflow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm	152-191-244-297	222-261-304-353	240-293-360-438
		m^3/min	4.3-5.4-6.9-8.4	6.3-7.4-8.6-10.0	6.8-8.3-10.2-12.4
		L/s	72-90-115-140	105-123-143-167	113-138-170-207
Sound pressure level	*2		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		dB <A>	24-31-37-41	29-34-37-40	31-36-41-46
Air filter			PP honeycomb		
Diameter of refrigerant pipe	Liquid (R410A)	in.(mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in.(mm)	1/2 (12.70) Flare	1/2 (12.70) Flare	1/2 (12.70) Flare
Field drain pipe size		in.(mm)	I.D. 5/8 (16)	I.D. 5/8 (16)	I.D. 5/8 (16)
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.		

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80ºFD.B./67ºFW.B. (26.7ºCD.B./19.4ºCW.B.)	95ºFD.B. (35ºCD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70ºFD.B. (21.1ºCD.B.)	47ºFD.B./43ºFW.B. (8.3ºCD.B./6.1ºCW.B.)		

*2 It is measured in anechoic room.

Optional parts

Description	Model	Remarks
Drain pump	PAC-SK01DM-E	P04, P06, P08, P12, P15, P18
External heater adapter	PAC-YU25HT	P04, P06, P08, P12, P15, P18

Wall-mounted type PKFY-P NKMU-E2

Model			PKFY-P24NKMU-E2	PKFY-P30NKMU-E2
Power source			1-phase 208-230V 60Hz	
Cooling capacity (Nominal)	*1	BTU/h	24,000	30,000
	*1	kW	7.0	8.8
	Power input	kW	0.07	0.07
	Current input	A	0.50	0.50
Heating capacity (Nominal)	*1	BTU/h	27,000	34,000
	*1	kW	7.9	10.0
	Power input	kW	0.07	0.07
	Current input	A	0.50	0.50
External finish			Plastic, MUNSELL (1.0Y 9.2/0.2)	
External dimension H x W x D		in.	14-3/8 x 46-1/16 x 11-5/8	14-3/8 x 46-1/16 x 11-5/8
		mm	365 x 1,170 x 295	365 x 1,170 x 295
Net weight		lbs (kg)	46 (21)	46 (21)
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Line flow fan x 1	Line flow fan x 1
	External static pressure	in.WG	0.000 (208V)	0.000 (208V)
		Pa	0	0
		in.WG	0.000 (230V)	0.000 (230V)
		Pa	0	0
	Motor type		DC motor	
	Motor output	kW	0.056	0.056
	Driving mechanism		Direct-driven	
	Airflow rate		(Low-High)	(Low-High)
		cfm	570-920	710-920
		m^3/min	16-26	20-26
		L/s	267-433	333-433
Sound pressure level *2			(Low-High)	(Low-High)
		dB <A>	39-49	43-49
		dB <A>	–	–
		dB <A>	–	–
Air filter			PP honeycomb	
Diameter of refrigerant pipe (O.D.)	Liquid	in.(mm)	ø3/8 (ø9.52) Flare	ø3/8 (ø9.52) Flare
	Gas	in.(mm)	ø5/8 (ø15.88) Flare	ø5/8 (ø15.88) Flare
Field drain pipe diameter		in.(mm)	I.D. 5/8 (16)	I.D. 5/8 (16)

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80ºFD.B./67ºFW.B. (26.7ºCD.B./19.4ºCW.B.)	95ºFD.B. (35ºCD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70ºFD.B. (21.1ºCD.B.)	47ºFD.B./43ºFW.B. (8.3ºCD.B./6.1ºCW.B.)		

*2 It is measured in anechoic room.

Optional parts

Description	Model	Remarks
External heater adapter	PAC-YU25HT-G	P24, P30

Floor standing type

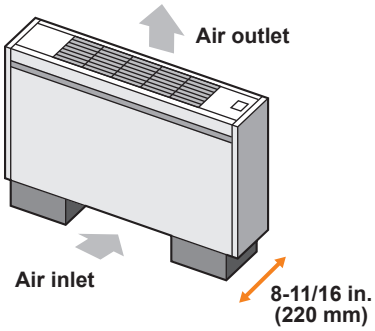
Floor standing type
Exposed type

PFFY-P NEMU-E

This floor standing type allows efficient air conditioning around the perimeter of a room. It adopts a low-height design that does not block the daylight from the windows.

Compact unit for perimeter air conditioning

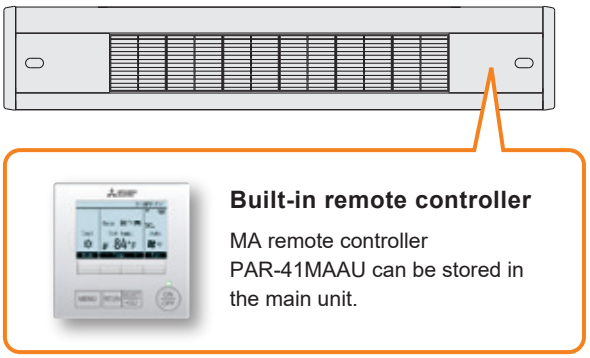
The compact body is only 8-11/16 in. (220 mm) deep for easy installation and effective air conditioning around the perimeter of a room.



Electronic dry function dehumidify refreshingly

Rooms are kept optimally dehumidified according to the indoor temperature to prevent over-cooling.

Remote controller storage in the main unit



Built-in remote controller

MA remote controller PAR-41MAAU can be stored in the main unit.

Floor standing type

Exposed type PFFY-P NEMU-E

Model			PFFY-P06NEMU-E	PFFY-P08NEMU-E	PFFY-P12NEMU-E	PFFY-P15NEMU-E	PFFY-P18NEMU-E	PFFY-P24NEMU-E
Power source			1-phase 208/230 V 60Hz					
Cooling capacity *1		BTU / h	6,000	8,000	12,000	15,000	18,000	24,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4	5.3	7.0
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078	0.078/0.093	0.096/0.114
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35	0.38/0.42	0.47/0.51
Heating capacity *1		BTU / h	6,700	9,000	13,500	17,000	20,000	27,000
(Nominal) *1		kW	2.0	2.6	4.0	5.0	5.9	7.9
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078	0.078/0.093	0.096/1.114
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35	0.38/0.42	0.47/0.51
External finish			Acrylic painted, MUNSELL(5Y 8/1)					
External dimension		in.	24-13/16 x 41-11/32 x 8-11/16	24-13/16 x 41-11/32 x 8-11/16	24-13/16 x 46-3/32 x 8-11/16	24-13/16 x 46-3/32 x 8-11/16	24-13/16 x 55-17/32 x 8-11/16	24-13/16 x 55-17/32 x 8-11/16
H x W x D		mm	630 x 1,050 x 220	630 x 1,050 x 220	630 x 1,170 x 220	630 x 1,170 x 220	630 x 1,410 x 220	630 x 1,410 x 220
Net weight		lbs (kg)	67 (30)	67 (30)	71 (32)	73 (33)	84 (38)	89 (40)
Heat exchanger			Cross fin (Aluminium fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
	External static pressure	in. WG	–	–	–	–	–	–
		Pa	–	–	–	–	–	–
	Motor type		1-phase induction motor					
	Motor output	kW	0.015	0.015	0.018	0.030	0.035	0.063
	Driving mechanism		Direct-driven					
	Airflow rate *2 (Low-High)	cfm	194-229	194-229	247-317	300-388	353-459	353-494
		m³ / min	5.5-6.5	5.5-6.5	7.0-9.0	8.5-11.0	10.0-13.0	10.0-14.0
		L / s	92-108	92-108	117-150	142-183	167-217	167-233
Sound pressure level *2 *3 (Low-High)		dB <A>	36-41 (208V)	36-41 (208V)	37-41 (208V)	38-43 (208V)	38-43 (208V)	40-46 (208V)
		dB <A>	36-41 (230V)	36-41 (230V)	37-41 (230V)	38-43 (230V)	38-43 (230V)	40-46 (230V)
		dB <A>	–	–	–	–	–	–
Air filter			Standard filter					
Diameter of refrigerant pipe(O.D.)	Liquid	in. (mm)	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø3/8 (ø9.52) Flare
	Gas	in. (mm)	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø5/8 (ø15.88) Flare
Field drain pipe diameter		in. (mm)	I.D. 1 (26) <Accessory hose O.D. 1-3/32 (27) (top end : 13/16 (20))>					

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 Airflow rate / Sound pressure level are in (low-high).

*3 It is measured in anechoic room.

Optional parts

Description	Model	Remarks
External heater adapter	PAC-YU25HT	P06, P08, P12, P15, P18, P24

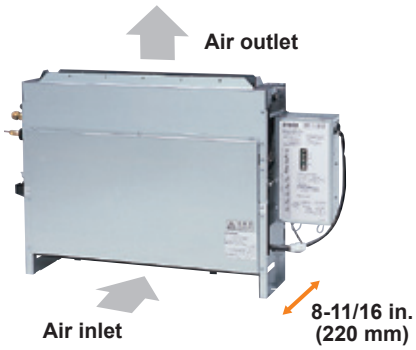
Floor standing type
Concealed type

PFFY-P NRMU-E

Fits neatly and easily installed in perimeter zone.

Compact unit for easy perimeter air conditioning

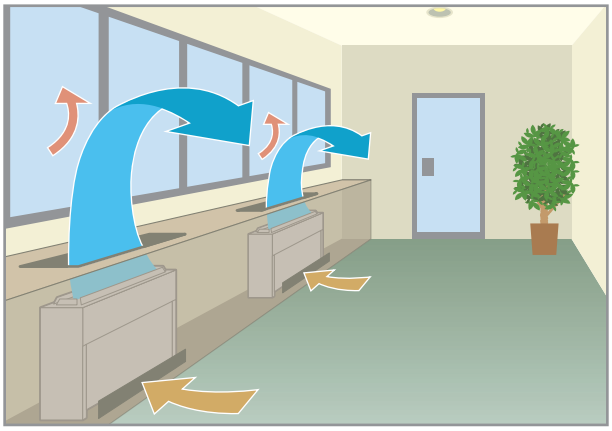
The compact body is only 8-11/16 in. (220 mm) in depth, so it can be easily installed and concealed in a perimeter counter.



Concealed design ensures harmony with interior

The embedded type design makes it possible to install the unit while keeping its beautiful appearance and architectural design.

• Installation image



Electronic dry function dehumidify refreshingly

Rooms are kept optimally dehumidified according to the indoor temperature to prevent over-cooling.

Floor standing type

Concealed type PFFY-P NRMU-E

Model			PFFY-P06NRMU-E	PFFY-P08NRMU-E	PFFY-P12NRMU-E	PFFY-P15NRMU-E	PFFY-P18NRMU-E	PFFY-P24NRMU-E
Power source			1-phase 208/230 V 60Hz					
Cooling capacity *1 (Nominal) *1		BTU / h	6,000	8,000	12,000	15,000	18,000	24,000
		kW	1.8	2.3	3.5	4.4	5.3	7.0
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078	0.078/0.093	0.096/0.114
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35	0.38/0.42	0.47/0.51
Heating capacity *1 (Nominal) *1		BTU / h	6,700	9,000	13,500	17,000	20,000	27,000
		kW	2.0	2.6	4.0	5.0	5.9	7.9
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078	0.078/0.093	0.096/0.114
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35	0.38/0.42	0.47/0.51
External finish			Galvanized					
External dimension		in.	25-3/16 x 34-29/32 x 8-11/16	25-3/16 x 34-29/32 x 8-11/16	25-3/16 x 39-5/8 x 8-11/16	25-3/16 x 39-5/8 x 8-11/16	25-3/16 x 49-1/16 x 8-11/16	25-3/16 x 49-1/16 x 8-11/16
H x W x D		mm	639 x 886 x 220	639 x 886 x 220	639 x 1,006 x 220	639 x 1,006 x 220	639 x 1,246 x 220	639 x 1,246 x 220
Net weight		lbs (kg)	51 (23)	51 (23)	58 (26)	60 (27)	69 (31)	71 (32)
Heat exchanger			Cross fin(Aluminium fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
	External static pressure	in. WG	–	–	–	–	–	–
		Pa	–	–	–	–	–	–
	Motor type		1-phase induction motor					
	Motor output	kW	0.015	0.015	0.018	0.030	0.035	0.063
	Driving mechanism		Direct-driven					
	Airflow rate *2 (Low-High)	cfm	194-229	194-229	247-317	300-388	353-459	353-494
		m³ / min	5.5-6.5	5.5-6.5	7.0-9.0	8.5-11.0	10.0-13.0	10.0-14.0
		L / s	92-108	92-108	117-150	142-183	167-217	167-233
Sound pressure level *2 *3 (Low-High)		dB <A>	36-41 (208V)	36-41 (208V)	37-41 (208V)	38-43 (208V)	38-43 (208V)	40-46 (208V)
		dB <A>	36-41 (230V)	36-41 (230V)	37-41 (230V)	38-43 (230V)	38-43 (230V)	40-46 (230V)
		dB <A>	–	–	–	–	–	–
Air filter			Standard filter					
Diameter of refrigerant pipe(O.D.)	Liquid	in. (mm)	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	ø3/8 (ø9.52) Flare
	Gas	in. (mm)	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø1/2 (ø12.7) Flare	ø5/8 (ø15.88) Flare
Field drain pipe diameter		in. (mm)	I.D. 1 (26) <Accessory hose O.D. 1-3/32 (27) (top end : 13/16 (20))>					

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.)	95°FD.B. (35°CD.B.)	25ft. (7.6m)	0ft. (0m)
Heating	70°FD.B. (21.1°CD.B.)	47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)		

*2 Airflow rate / Sound pressure level are in (low-high).

*3 It is measured in anechoic room.

Optinal parts

Description	Model	Remarks
External heater adapter	PAC-YU25HT	P06, P08, P12, P15, P18, P24

Dedicated Outside Air System (DOAS)

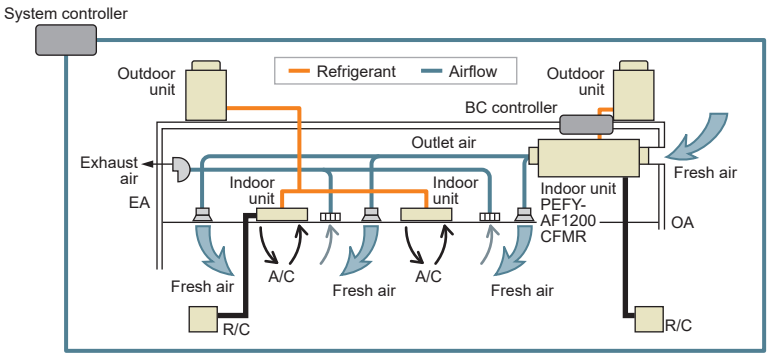
PEFY-AF1200CFMR-E

A cooler and reheat heat exchanger help create a comfortable space.

Enables intake of outside air

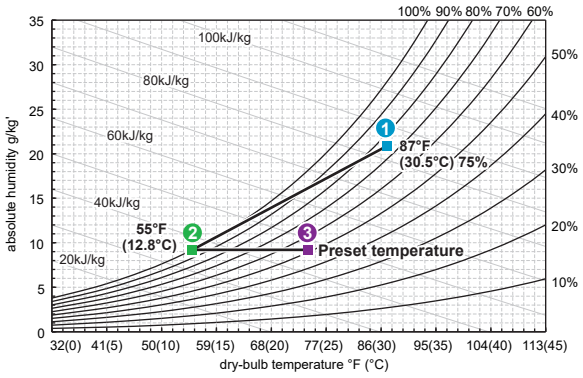
This model provides an airflow volume of 1,200 cfm and is capable of taking in outside air. Outdoor units, BC controllers, and indoor units are all connectable to the M-NET and can be collectively controlled with other Mitsubishi Electric air-conditioning systems.

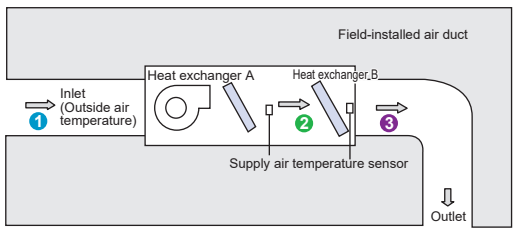
* Refer to the specifications for information on connectable outdoor units.



Humidity and outlet temperature control

Double heat exchangers create and supply optimized air into the room: the first HEX dehumidifies and cools the air, which is then reheated by the second HEX.





[CFMR-E model]

Supply air temperature can be set from 63 to 83°F using the remote controller.

1st coil	Unit
Air outlet/RH%	Air outlet temp.
50°F	63–83°F
55°F	63–83°F
60°F	63–83°F
45%	63–83°F

High/flexible static pressure

3 patterns of static pressure (0.8/0.48/0.28 in.WG) are available.

Drain pump as a standard

The drain pump is attached as a standard, providing greater freedom in piping layout design and reducing horizontal piping requirements.

Caution

The BC controller should be installed in a location where noise (refrigerant noise) emitted by the unit will not disturb neighbors. (For use in quiet environments with low background noise, position the BC controller at least 16.4 ft (5 m) away from any indoor unit.)
When connecting the indoor unit to the BC controller, the optional twinning pipe should be installed.

Dedicated outside air system (DOAS) PEFY-AF1200CFMR-E

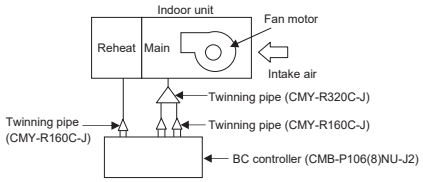
Model			PEFY-AF1200CFMR-E
Power source			1-phase 208/230V 60Hz
Cooling capacity (Nominal)		BTU/h	112,000
		kW	32.8
	Power input	kW	0.66/0.78 (208V/230V)
	Current input	A	3.19/3.45 (208V/230V)
Heating capacity (Nominal)		BTU/h	61,400
		kW	18
	Power input	kW	0.66/0.78 (208V/230V)
	Current input	A	3.19/3.45 (208V/230V)
Reheat capacity (Nominal)		BTU/h	24,200
		kW	7.1
External finish			Galvanized
External dimension H x W x D		in.	18-9/16 x 49-1/4 x 55-1/8
		mm	470 x 1,250 x 1,400
Net weight		lbs (kg)	305 (138)
Heat exchanger			Cross fin (Aluminium fin and copper tube)
FAN	Type x Quantity		Sirocco fan x 2
	External static pressure	in.WG	(0.28)- (0.48)-0.80 (208V)
		Pa	(70)- (120)-200
		in.WG	(0.52)- (0.72)-0.96 (230V)
	*1	Pa	(130)- (180)-240
	Motor Type		Single phase induction motor
	Motor output	kW	0.62/0.74 (208V/230V)
	Driving mechanism		Direct-driven
	Airflow rate	cfm	1,200
		m^3/min	34
		L/s	566
Sound pressure level (Low-Mid-High)		dB <A>	(36)- (40)-43 (208V)
		dB <A>	(39)- (42)-45 (230V)
(measured in anechoic room)	*1	dB <A>	-
Air filter			Field supply
Connectable outdoor unit			PURY-P120TNU-A1(-BS), PURY-P120YNU-A1(-BS)
Diameter of refrigerant pipe (O.D.)	Liquid	in. (mm)	3/8 (9.52) Brazed
	Gas	in. (mm)	7/8 (22.2) Brazed
Diameter of drain pipe		in. (mm)	O.D. 1-1/4 (32) x 2

Notes:

*1 The values in parentheses indicate the values for the Low and Mid static pressure level settings respectively.

- Standard capacities are the maximum capacities that are obtained in the following conditions;
  Air conditions: cooling: indoor 87°FDB/80°FWB (30.5°CDB/26.7°CWB) outdoor 87°FDB (30.5°CDB)
  heating: indoor 32°FDB (0°CDB) outdoor 32°FDB (0°CDB)/28°FWB (-2°CWB), Connected outdoor unit is PURY-P120TNU/YNU-A1(-BS)
  Piping length: 24.6 feet (7.5m) Height difference: 0 feet (0m)
- This value shows the data per unit.
- Sound pressure level is the data that was obtained in anechoic room by the following conditions;
  The measuring point is 4.9feet (1.5m) from the bottom of the unit that has 6.6feet (2m) outlet duct and 3.3feet (1m) intake duct.
- When combining the drain pipes, ensure that collected pipes are 3-15/16inch (10cm) lower than the unit body's drain port.
- Install BC controller in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
  (For use in quiet environments with low background noise, position the BC controller at least 16.4feet (5m) away from any indoor units.)
- When connecting the indoor unit to the BC controller, the optional twinning pipe shall be installed.
  (Refer to Figure1 and Table1)
- The choice of indoor unit operation mode is limited to auto mode.

[Figure1]



[Table1]

Number of connection pipes of BC

Outdoor model	Main	Reheat
PURY-P120TNU/YNU-A1(-BS)	4	2

Optional parts

Description	Model
Filter box	PAC-KE97TB-E
Long life filter	PAC-KE85LAF