

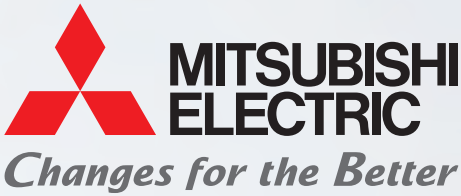
 Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air-conditioning equipments and heat pumps contain a fluorinated greenhouse gas, R410A.

MITSUBISHI ELECTRIC CORPORATION

www.MitsubishiElectric.com

R410A CITY MULTI



AIR CONDITIONING SYSTEMS

CITY MULTI



CM23AS-Y

MITSUBISHI ELECTRIC CORPORATION

CITY MULTI YKE-Series

Further Enhanced Energy Saving

Saving energy is becoming ever more important all around the world. Mitsubishi Electric is at the forefront of this development, with advanced products that realize high-quality energy saving solutions for customers in all fields.



High rated performance

Compared to the conventional series, all models of the YKE series (8 to 60HP) have improved rated EER/COP. This means less energy will be consumed during peak hours, such as high-temperature periods in the daytime.

High partial-load performance

The YKE-Series surpass the conventional series not only in rated specifications but also in terms of partial-load performance. During mornings and evenings, when the temperature is lower and less cooling power is required, better efficiency also enables significant energy savings.

Energy saving assist function

The functions makes it possible to optimize energy saving performance by closely matching the requirements of the installation location. This makes it possible to achieve results that surpass the specifications of the product, contributing to truly energy-saving buildings.

S-series

PUMY

The line-up of side-flow type outdoor units includes models from 7 HP to 12 HP, which offers flexibility in installations in tight spaces. This type is suitable for small-scale offices and residences. 1-phase type (VKM).



Features

① **Operation guaranteed at an outside air temperature of up to 46°C.**

- New inverter technology has made it possible for units to operate at an outdoor air temperature as high as 46°C.

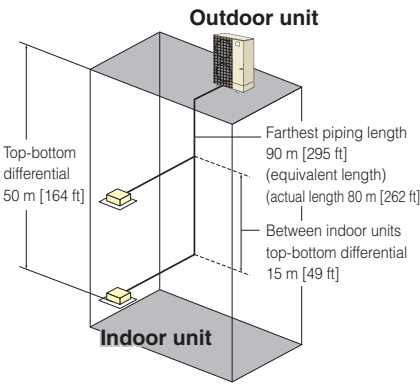
② **Quiet mode**

All models have three quiet modes in addition to the normal mode, and a suitable noise mode can be selected from among the four available modes. The noise level can be set according to the application, for example, in a residential zone where noise may be an issue.

* Capacity reduction differs by mode setting.
* PAC-SC36NA-E is required to activate this mode.
* Available during cooling only.

Piping length

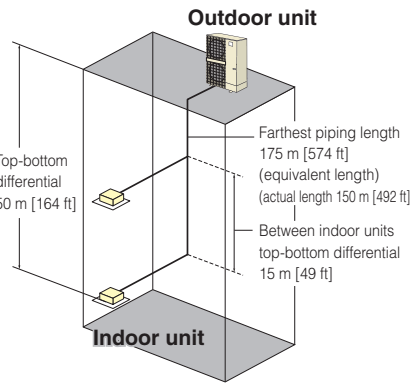
[CP175-225YKM2]



Refrigerant Piping Lengths	
Maximum meters [feet]	
Total length	150 [492]
Maximum allowable length	80 (90 equivalent) [262 (295)]
Farthest indoor from first branch	30 [98]

Vertical differentials between units	
Maximum meters [feet]	
Indoor/outdoor (outdoor higher)	50 [164]
Indoor/outdoor (outdoor lower)	40 [131]
Indoor/indoor	15 [49]

[CP250-300YBM2]



Refrigerant Piping Lengths	
Maximum meters [feet]	
Total length	310 [1,017]
Maximum allowable length	150 (175 equivalent) [492 (574)]
Farthest indoor from first branch	30 [98]

Vertical differentials between units	
Maximum meters [feet]	
Indoor/outdoor (outdoor higher)	50 [164]
Indoor/outdoor (outdoor lower)	40 [131]
Indoor/indoor	15 [49]

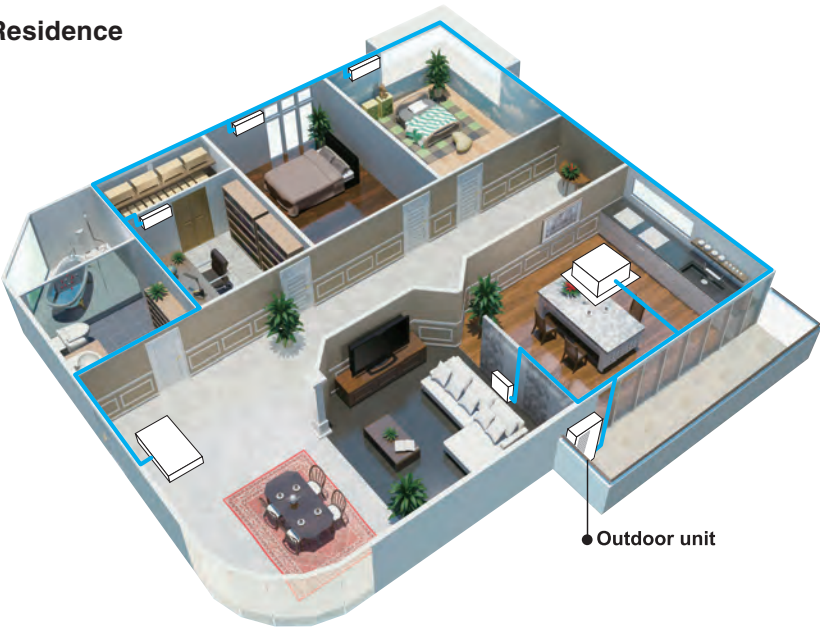
*1 Use liquid pipe of ø9.52 for less than P50 indoor units, when farthest length from the first branch exceeds 30m.

Cooling only

- PUMY-CP YKM2
- PUMY-CP YBM2

Installation image

Residence



Advantage of PUMY (for residences)

One outdoor unit (10 HP-12 HP) can be connected up to 29 indoor units (P15-250). Even when indoor units are installed in many rooms, one outdoor unit can connect multiple indoor units.

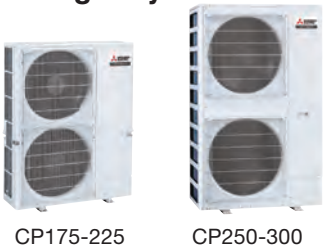
Space savings

Wide selection from 4 HP up to 12 HP

Model	175	200	225	250	300
Cooling only	CP175-225YKM2			CP250-300YBM2	

10-12 HP (P250-P300) is available!

Cooling only



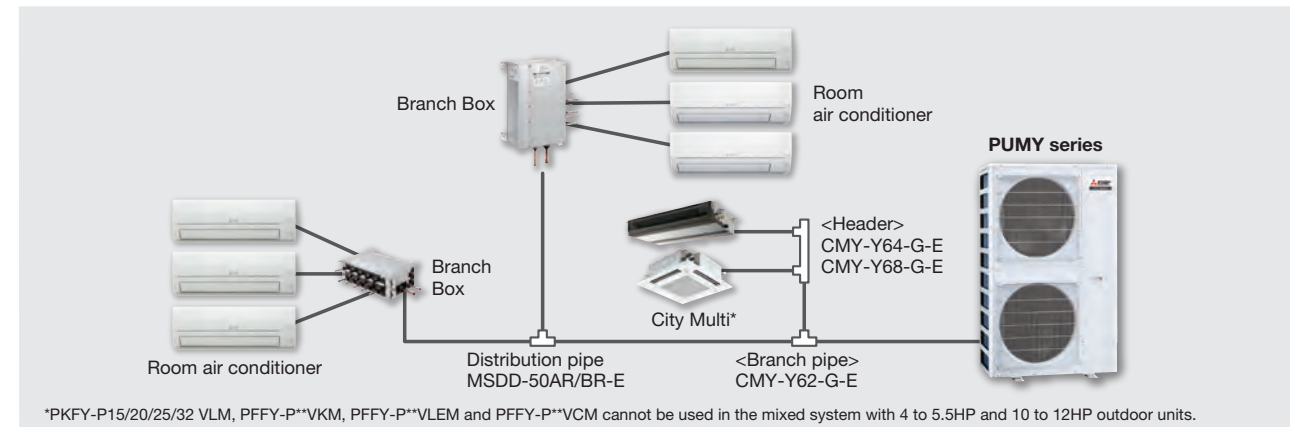
Features of the Branch Box

Connecting branch boxes makes it possible to connect to Mitsubishi Electric indoor units (room air conditioners, Mr. SLIM) that do not normally support M-NET connections.



System example

The use of branch boxes makes it possible for PUMY-Series devices to connect not only to CITY MULTI indoor units but also to Mitsubishi Electric indoor units that do not normally support M-NET connections. Thus it is possible to connect to room air conditioners and Mr. SLIM indoor units, allowing for a selection specifically designed to suit how the room is being used.

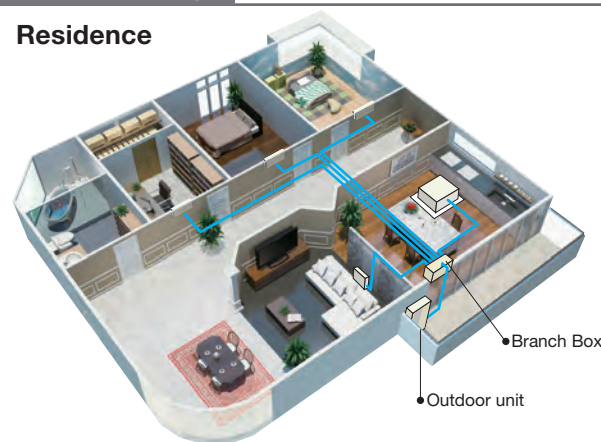


Specifications

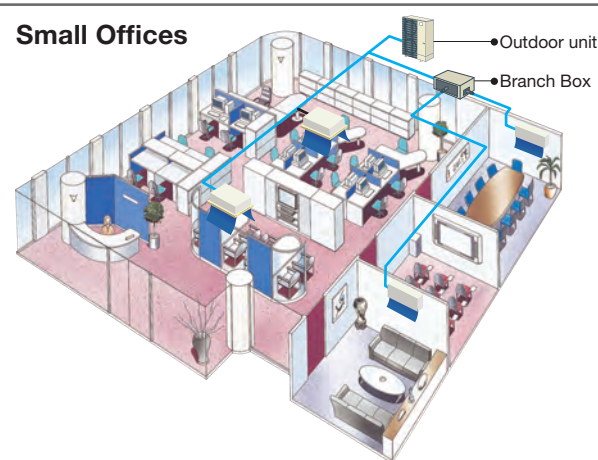
Model			PAC-MK54BC		PAC-MK34BC		
Connectable Number of Indoor Units			Max. 5		Max. 3		
Power Supply	Source		Outdoor power supply, Branch Box / Outdoor separate power supply				
	Outdoor (V/Phase/Hz)		1-phase, 220/230/240V, 50Hz, 1-phase, 220/230V, 60Hz				
Total Input		kW	0.003				
Operating Current		A	0.05				
Dimensions H x W x D		mm	170 × 450 × 280				
Weight		kg	7.4		6.7		
Piping (diameter)	Branch (Indoor Side)	Liquid	mm	6.35 × 5		6.35 × 3	
		Gas	mm	9.52 × 4, 12.7 × 1		9.52 × 3	
	Main (Outdoor Side)	Liquid	mm	9.52			
		Gas	mm	15.88			
		Connection Method		Flared			
	Wiring	to Indoor Unit		3-wire + Earth wire			
to Outdoor Unit		3-wire + Earth wire					

Installation image

Residence



Small Offices



Consolidating heat sources for room air conditioners, which require a 1:1 connection between the outdoor unit and indoor unit, and reducing installation space is possible. Because the branch box can be installed indoors or outdoors and mounted on a wall, ceiling, or floor, it is possible to meet the requirements of various installation situations flexibly.

*Please refer to installation manual for installation restrictions.

Precautions for unit construction

- The capacity and number of indoor units when using a branch box differs from situations when no branch box is used. Refer to the installation manual for the each outdoor unit for more information. Moreover, the indoor unit lineup varies from country to country, so contact your local distributor for details.
- Capacity calculations for the entire system will depend on the connected indoor unit. Refer to the installation manual for more information.
- Piping lengths also differ when using a branch box. Refer to the installation manual for the each outdoor unit for more information.

Comparison of Piping Lengths for PUMY-Series Models

			Maximum Meter			
			Only City Multi *1 Indoor Unit	Only Branch Box Connection	Mixed System (City Multi *1 Indoor Unit + Branch Box)	
					City Multi *1 Indoor Unit	Via Branch Box
CP250/300	Refrigerant Piping Length	Total Length	310	240	310	
		Maximum Allowable Length	150 (175 equivalent) *2	80	85 (95 equivalent) *2	80
		Farthest Indoor From First Branch	30	30 *3	30	30 *3
	Vertical Differentials Between Units	Indoor/Outdoor(Outdoor higher)	50	50	50	
		Indoor/Outdoor(Outdoor Lower)	40	40	40	
		Indoor/Indoor	15	12	15 *4	
	Refrigerant Piping Length	Total branch pipe length	—	145	—	145
		Farthest branch pipe length	—	25	—	25
		Total main pipe length	—	95	—	95
		Farthest main pipe length	—	—	—	—
	Vertical Differentials Between Units	Branch box/Indoor	—	15	—	15
		Branch box/Branch box	—	15	—	15
CP175/200/225	Refrigerant Piping Length	Total Length	150	150	150	
		Maximum Allowable Length	80 (90 equivalent) *5	80 *5	80 (90 equivalent) *5	80 *5
		Farthest Indoor From First Branch	30	30 *3	30	30 *3
	Vertical Differentials Between Units	Indoor/Outdoor(Outdoor higher)	50	50	50	
		Indoor/Outdoor(Outdoor Lower)	40	40	40	
		Indoor/Indoor	15	15 *4	15 *4	
	Refrigerant Piping Length	Total branch pipe length	—	95	—	95
		Farthest branch pipe length	—	25	—	25
		Total main pipe length	—	55	—	55
		Farthest main pipe length	—	55 *5	—	55 *5
	Vertical Differentials Between Units	Branch box/Indoor	—	15	—	15
		Branch box/Branch box	—	15	—	15

*1 Include system with connection kit

*2 Liquid pipe diameter: 12.7 mm, in case of further piping length is longer than 90 m, or connect with PEFY-P200/250.

*3 Farthest branch box from first branch.

*4 In case of branch box connection : 12m

*5 Liquid pipe diameter: 12.7 mm, in case of further piping length is longer than 60 m, or the farthest length of main pipe between outdoor unit and branch box is longer than 20 m in branch box system.

*6 Use liquid pipe of ø9.52 for less than P50 indoor units, when farthest length from the first branch exceeds 30m.

Optional Parts for Branch Boxes

Description	Model	Remarks
Joint pipe	MAC-A454JP-E	For ø9.52→ø12.7
	PAC-SG76RJ-E	For ø9.52→ø15.88
	PAC-493PI	For ø6.35→ø9.52
	MAC-A456JP-E	For ø12.7→ø15.88
	MAC-A455JP-E	For ø12.7→ø9.52
	PAC-SG71RJ-E	For ø15.88→ø22.2
Port connector	PAC-SG77RJ-E	For ø15.88→ø25.4
	PAC-SG75RJ-E	For ø15.88→ø19.05
2-Branch pipe	Braze	MSDD-50BR-E
	Flare	MSDD-50AR-E
Branch box outer cover		PAC-AK350CVR-E
Filter dryer for liquid pipe		PAC-SG82DR-E

OUTDOOR UNIT

S-series

PUMY-CP YKM2 (-BS)



CP175~225

Specifications

Model			PUMY-CP175YKM2 (-BS)		PUMY-CP200YKM2 (-BS)		PUMY-CP225YKM2 (-BS)	
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz					
Cooling capacity (Nominal)	*1	kW	20.0		22.4		25.0	
	*1	BTU/h	68,200		76,400		85,300	
	Power input	kW	5.00		5.74		6.54	
	Current input	A	8.94-8.50-8.19, 8.94		10.03-9.53-9.18, 10.03		11.17-10.61-10.23, 11.17	
	EER	kW/kW	4.00		3.90		3.82	
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)					
	Outdoor temp.	D.B.	10 to 52.0°C (50 to 126°F)					
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *2					
	Model/Quantity	CITY MULTI	15~200/12		15~250/12		15~250/12	
Sound pressure level (measured in anechoic room)	*3	dB <A>	57		57		58	
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared*4					
	Gas pipe	mm (in.)	22.2 (7/8) Brazed					
Fan	Type x Quantity		Propeller Fan × 2					
	Air flow rate	m³/min	134		134		143.8	
		L/s	2,233		2,233		2,397	
		cfm	4,732		4,732		5,078	
	*5	Motor output	kW		0.20 + 0.20			
Compressor	Type x Quantity		Scroll hermetic compressor × 1					
	Starting method		Inverter					
	Motor output	kW	3.5		3.9		4.3	
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1					
External dimension H x W x D		mm	1,338 × 1,050 × 330 (+25)					
		in.	52-11/16 × 41-11/32 × 13 (+1)					
Protection devices	High pressure protection		High pressure switch					
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat Sink thermistor)					
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector					
	Fan motor		Overheating, Voltage protection					
Refrigerant	Type x original charge		R410A 6.3kg					
Net weight	kg (lbs)		130 (287)					
Heat exchanger			Cross Fin and Copper tube					
Defrosting method			Reversed refrigerant circuit					
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E					
Engery Labelling scheme								

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)

*2 Up to 150% can be connected. However, up to 130% for simultaneous operation.

*3 Cooling mode

*4 Liquid pipe diameter: 12.7mm in case that the farthest piping length is longer than 60m, or piping length from outdoor unit to a branch box is longer than 20m.

*Nominal conditions *1 are subject to ISO 15042.

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

OUTDOOR UNIT

S-series

PUMY-CP YBM2 (-BS)



Specifications

Model			PUMY-CP250YBM2 (-BS)		PUMY-CP300YBM2 (-BS)	
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz			
Cooling capacity (Nominal)	*1	kW	28.0		33.5	
	*1	BTU/h	95,500		114,300	
	Power input	kW	7.18		8.59	
	Current input	A	11.73-11.14-10.74, 11.73		14.03-13.33-12.85, 14.03	
	EER	kW/kW	3.90		3.90	
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)			
	Outdoor temp.	D.B.	10.0 to 52.0°C (50 to 126°F)			
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *2			
	Model/Quantity	CITY MULTI	15-250/24		15-250/29	
Sound pressure level (measured in anechoic room)		dB <A>	59		60	
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Flared *5		12.7(1/2) Flared	
	Gas pipe	mm (in.)	22.2(7/8) Brazed		25.4(1) Brazed	
Fan	Type x Quantity		Propeller Fan × 2			
	Air flow rate	m³/min	178		178	
		L/s	2,966		2,966	
		cfm	6,285		6,285	
	Motor output	kW	0.375 + 0.375			
Compressor *3	Type x Quantity		Scroll hermetic compressor × 1			
	Starting method		Inverter			
	Motor output	kW	6.77		7.59	
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1			
External dimension H x W x D			1,662 × 1,050 × 460 (+45)			
			65-7/16 × 41-11/32 × 18-7/64 (+1-49/64)			
Protection devices	High pressure protection		High pressure switch			
	Inverter circuit		Overcurrent detection, Overheat detection (Heat Sink thermistor)			
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector			
	Fan motor		Overcurrent, Overheating, Voltage protection			
Refrigerant	Type x original charge		R410A 8.0kg			
Net weight		kg (lbs)	185 (408) *4			
Heat exchanger			Micro-Slit Fin and Copper tube			
Defrosting method			—			
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E			
Engery Labelling scheme						

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference	External static press.
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)	0 Pa

*2 Up to 150% can be connected. However, up to 130% for simultaneous operation.

*3 External static pressure option is available (30 Pa/3.1 mmH₂O).

*4 187 (413) for PUMY-CP250/300YBM2-BS.

*5 Liquid pipe diameter: 12.7mm, in case of farthest piping length (farthest indoor unit from outdoor unit) is longer than 90m, or connect with PEFY-P200/250.

*Nominal conditions *1 are subject to ISO 15042.

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

YKE-series NEW

The YKE series not only realize high energy savings and quality performance from Mitsubishi Electric, they also feature further improved reliability. This is especially important in the Asian climate which requires cooling capacity at high outside air temperatures.



S module

L module

XL module

* Product images are PUCY models

Three series are lined up to meet required energy saving level.

Standard (PUCY-P)

Compact designed with standard efficiency. Provides installation flexibility and high energy efficiency at same time.

High standard (PUCY-GP)

Combining the standard line, achieves even better efficiency.

High efficiency (PUCY-EP)

Achieves highest energy efficiency and partial load among the YKE lineup.

Further enhanced energy savings

- Higher rated EER in all models (compared to conventional model)
- Improved energy efficiency under partial-load conditions
- Evaporating temperature control provides further energy savings

Cooling capacity at high outdoor air temperatures

- Operation guaranteed up to an outside air temperature (intake temperature) of 52°C
- The assist function for enhanced cooling power at high outside air temperatures
- Rapid mode reduces startup time

High reliability

- Structure features a low-pressure shell compressor, polyurethane coated circuit boards and other high-reliability parts
- Emergency operation mode and rotation function, etc. contribute to enhanced operation reliability

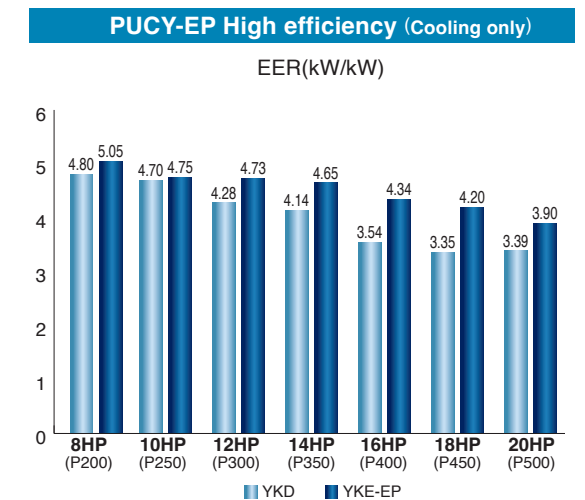
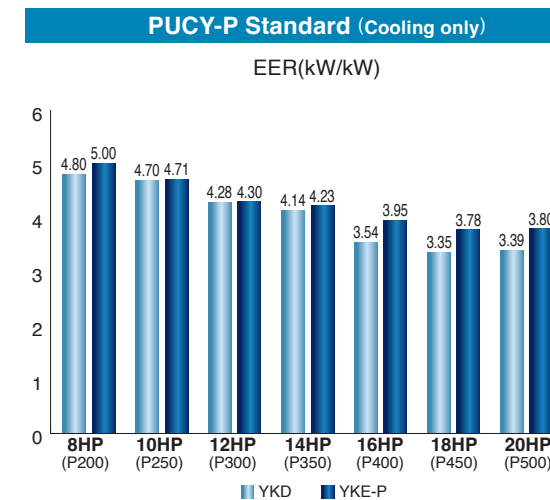
High installation flexibility

- Two-pipe system and M-NET wiring facilitate installation
- Selectable external static pressure setting to match site conditions

Higher EER ratings

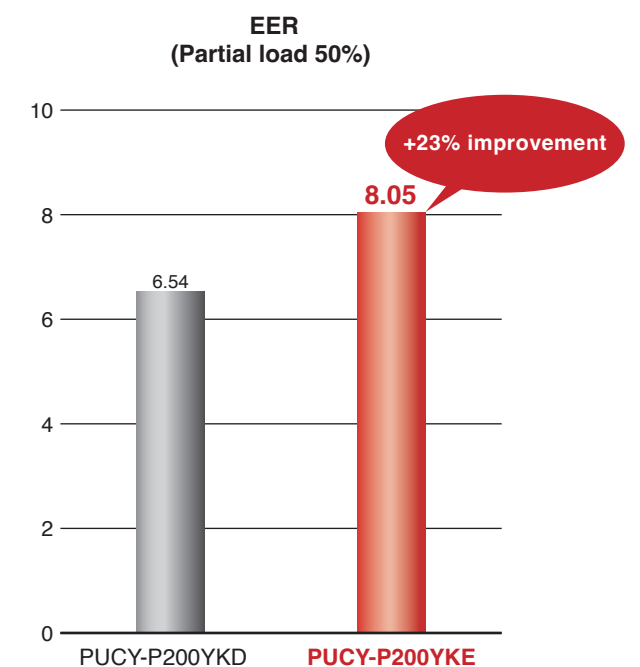
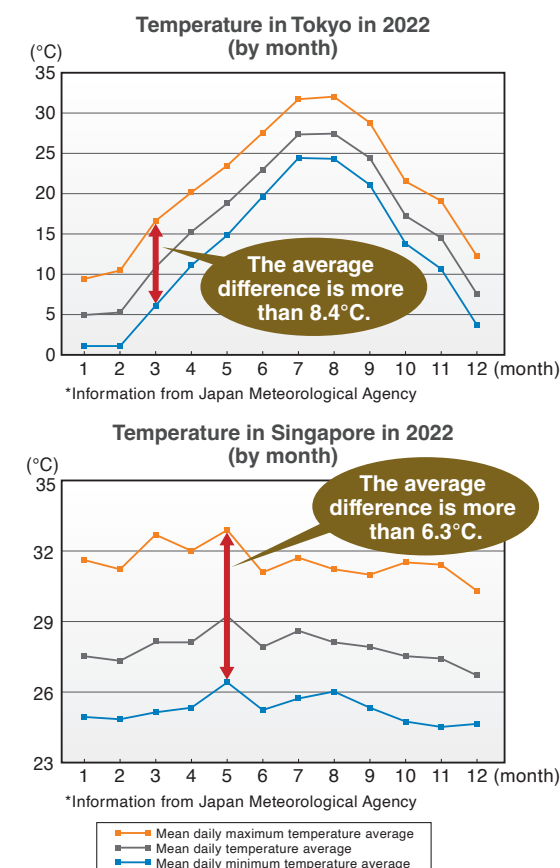
Improved ratings for all models

Compared to conventional products (YKD series), the YKE series achieves improved EER in all models from 8 to 60HP. The 8HP model (PUCY-P200YKE) boasts 20% improvement.



High partial-load performance

At times when the temperature difference between daytime and morning/evening is large, efficient operation also under low-load conditions is important. The multi-port design of the compressor helps to improve partial-load efficiency compared to conventional models, enabling highly efficient operation throughout the year, including season changeover periods.



Further enhanced energy savings

Energy saving assist function

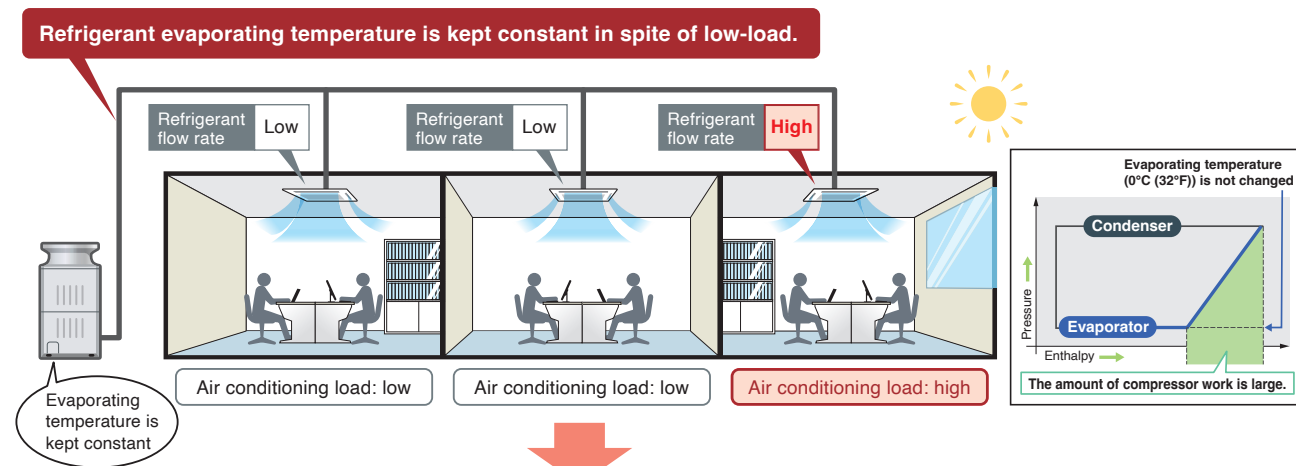
In addition to the basic energy saving design, energy saving assist functions can be activated easily via DIP switch settings. This allows matching the equipment to various installation patterns.

Evaporating temperature control

During cooling operation, the temperature of the refrigerant can be controlled according to the air conditioning load. This helps energy efficient operation.

■ Normal mode

The evaporating temperature is kept constant regardless of the load. Even at low loads, the normal evaporating temperature does not change, which leads to energy waste during partial load operation.



■ Smart evaporation temperature control mode

The YKE and YKD series supports evaporating temperature control which adjusts the refrigerant evaporating temperature. Two control methods are available: fixed control and automatic shift control.

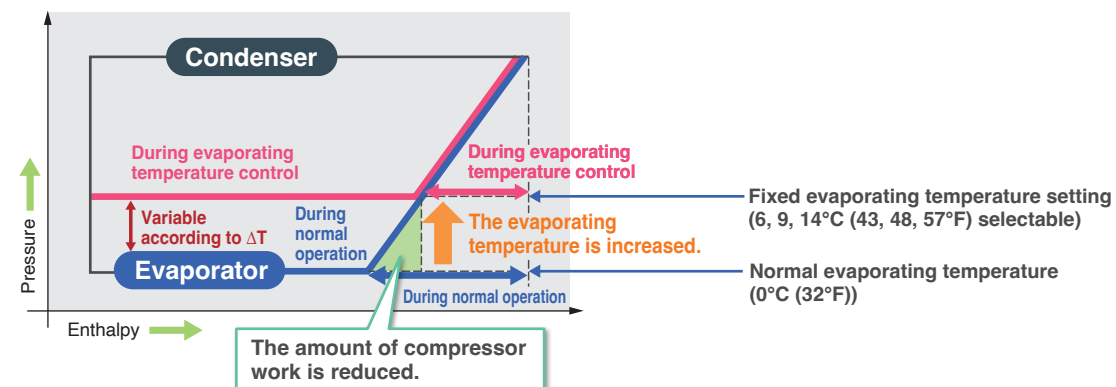
* Changing the evaporating temperature is achieved by changing DIP switch settings on the outdoor unit. Refer to "Evaporating temperature setting method" and the Service Handbook for details.

* Raising the evaporating temperature will lower the latent heat processing capability. Select the appropriate mode for the installation location, taking factors such as ambient temperature into consideration.

1. Fixed control

The target evaporating temperature is changed and controlled to be constant. Selecting an evaporating temperature that is higher than for normal cooling will reduce the load of the compressor and improve operation efficiency.

• Concept of evaporating temperature control (fixed control)



* Because evaporating temperature will constantly be higher, cooling capacity is reduced, which may result in the room not reaching the set temperature.

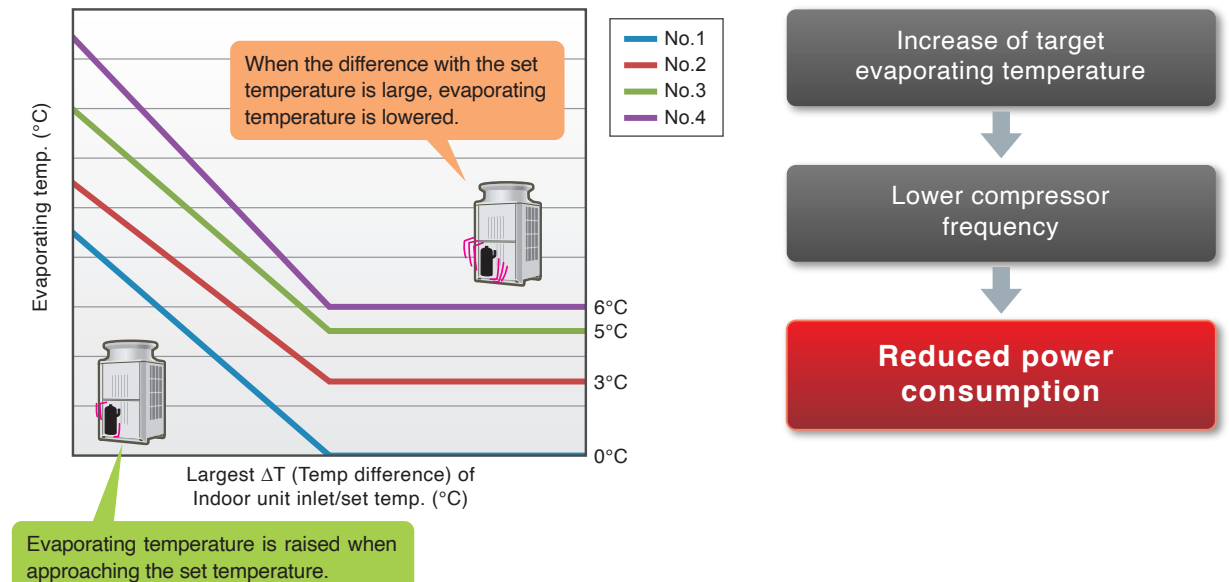
* To change the evaporating temperature setting, it is necessary to change the setting of the DIP switch on the outdoor unit.

2. Automatic shift control

Evaporating temperature is shifted according to the air conditioning load (ΔT). When approaching the set temperature, evaporating temperature is raised to reduce compressor workload and save energy. Four control patterns can be selected.

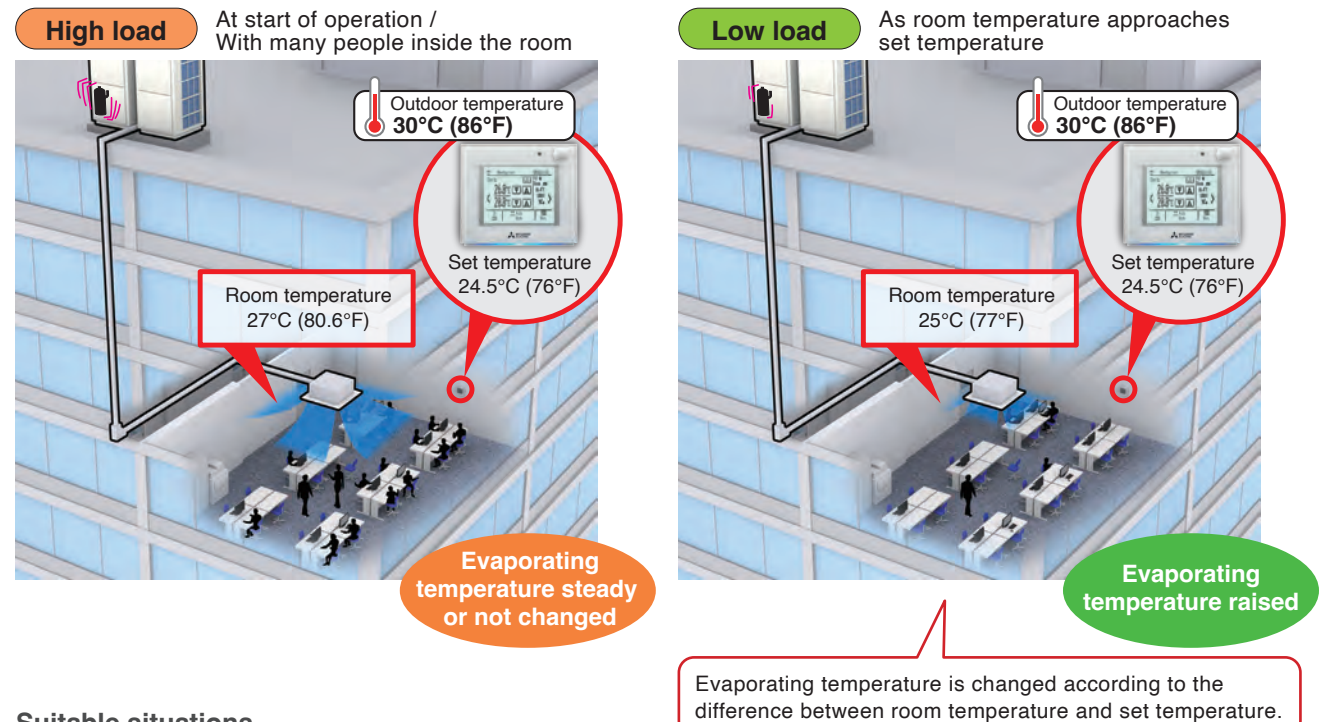
• Concept of evaporating temperature control (automatic shift control)

4 patterns for setting target evaporating temperature



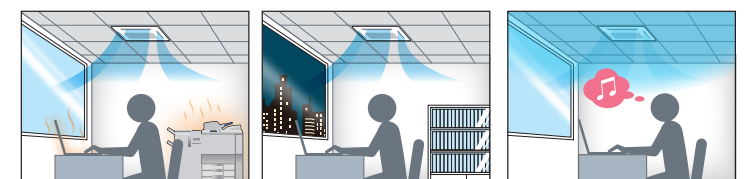
*1 To activate evaporating temperature control, use terminal external input.

*2 To change the evaporating temperature setting, it is necessary to change the setting of the DIP switch on the outdoor unit.



Suitable situations

- (1) Locations with mainly sensible heat load by OA equipment (offices and similar)
- (2) Relatively low-load conditions during air conditioning season (mornings or nights)
- (3) When higher temperature of discharge air is desired in windy conditions



Cooling capacity at high outdoor air temperatures

1. Cooling operation possible up to intake temperature of 52°C

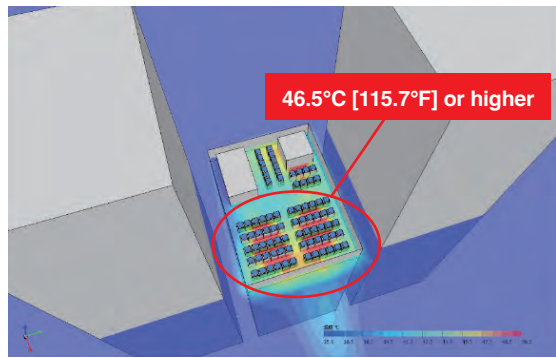


In built-up areas with a high density of buildings, winds may be blocked, causing an accumulation of warm air in the vicinity of the outdoor unit. Because the operation range of the YKE series has been guaranteed up to 52°C (126°F), operation will remain stable even in such situations.

Example of flow analysis

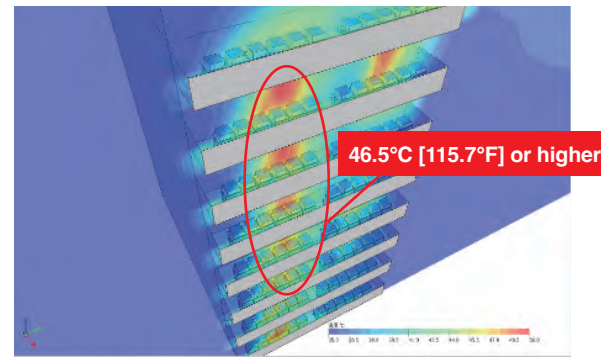
■ Conditions : Outdoor air temperature = 35°C (DB), Room temperature = 27°C (DB)

Built-up area with buildings and outdoor units



If the passage of air is blocked in a built-up area, the high-temperature air discharged from the outdoor units may be kept around the units.

Installation on each floor a high-rise building



When the outdoor units are installed on balconies, the high-temperature air discharged from the units may be kept in by upper balconies.

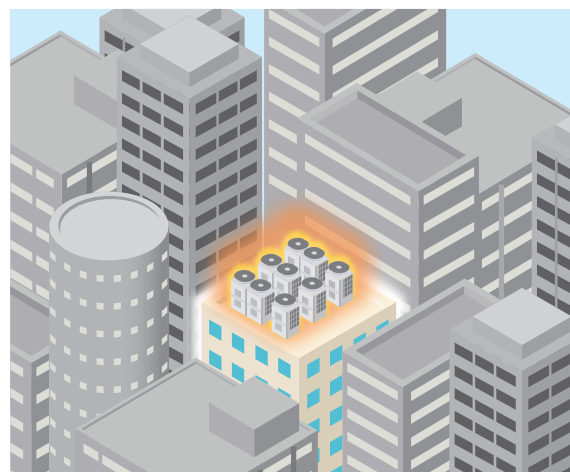
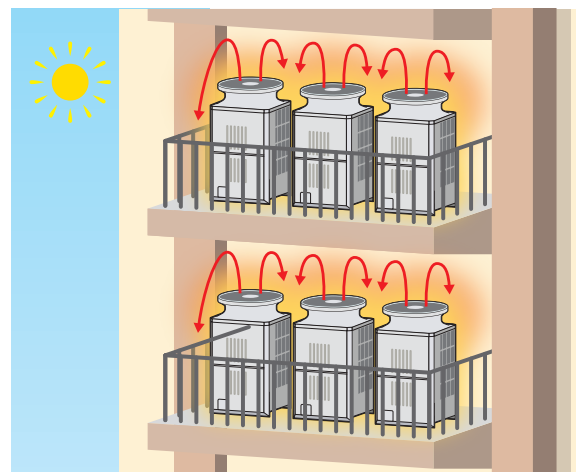
Cooling even under high outside temperature

Cooling only model

From 10°C [50°F] up to 52°C [126°F]

Suitable situations

Installation in locations such as on balconies or between buildings, where high-temperature air may tend to accumulate.



2. Cooling operation assist function

Capacity assist mode

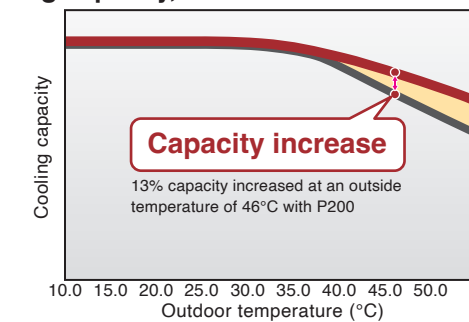


During cooling operation at high outside temperatures, cooling capacity tends to be decreased. The YKE and YKD series provides capacity assist mode where the fan speed is automatically raised when the outside temperature reaches or exceeds around 38°C. This prevents a drop in cooling capacity during operation at high outside air temperatures. Comfort is improved, thanks to continued high performance of the unit.

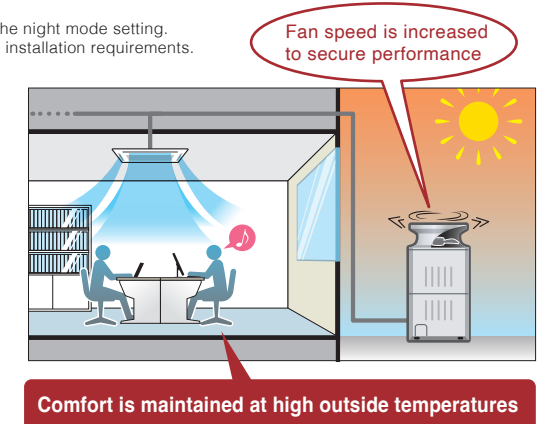
* Requires a DIP switch setting

* This function will be disabled when the unit is set to the outdoor high static pressure setting or to the night mode setting. The outdoor unit will make more noise due to an increased airflow. Choose the mode according to installation requirements.

Cooling capacity, with indoor units running at 100%



— Capacity assist mode — Standard mode Indoor condition (27°CDB/19°CWB)



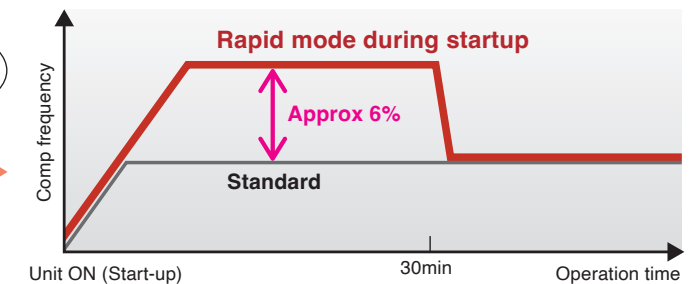
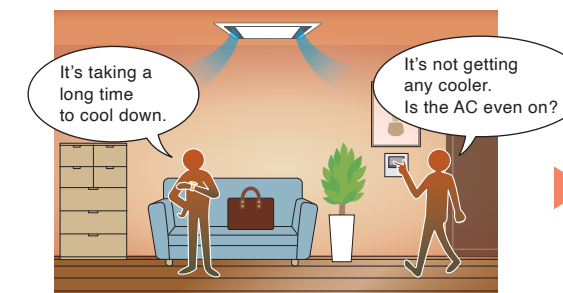
Rapid mode during startup (Quick-start up)



The rotation speed of the compressor can be raised during the first 30 minutes after cooling startup, to quickly establish comfortable conditions when returning home or at the start of a workday. Restarting after a power outage will also be faster, to quickly cool down the room.

* Requires a DIP switch setting

* Selecting this mode may increase operation noise. Choose the mode according to installation requirements.



The room does not cool off very quickly, and it takes a while before the room becomes comfortable.

Priority Cooling Function



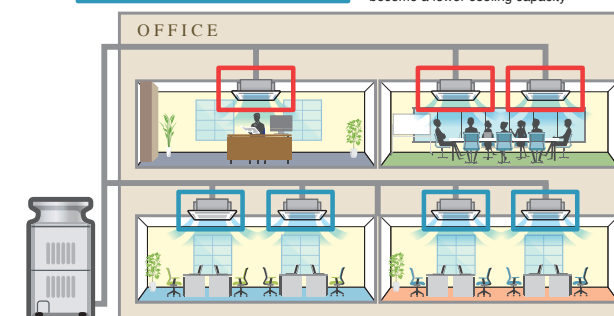
The cooling priority function enables the assurance of optimal comfort within designated spaces.

* Up to 3 indoor units can be prioritized

* Maximum 20% capacity of thermo-ON indoor units

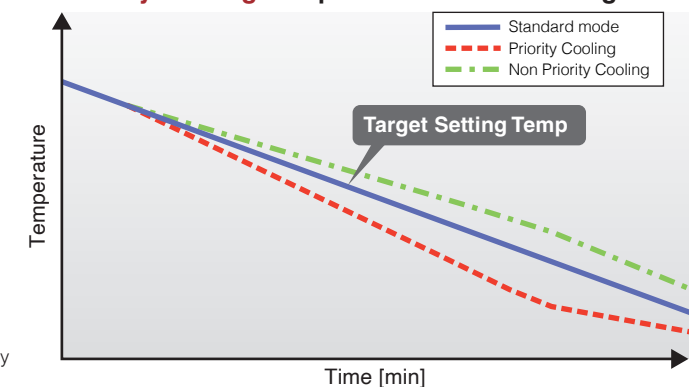
Priority Indoor Units
Non-Priority Indoor Units

* The room temp with Priority Cooling Indoor Units decreases faster
* Capacity with Non-priority cooling Indoor unit become a lower cooling capacity



Indoor units located in rooms which requires to be cooled down quickly can be selected for priority cooling.

Priority Cooling Temperature transition image

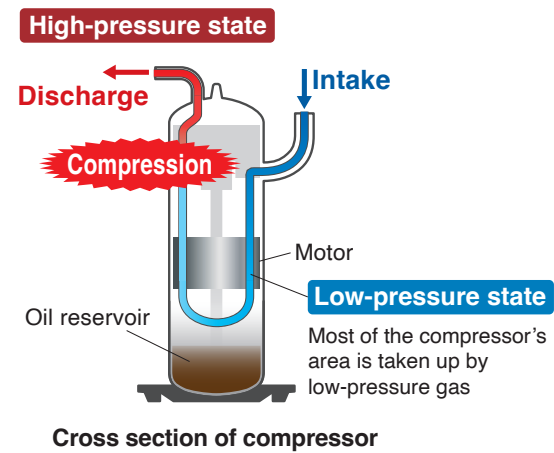


High reliability

1. Compressor

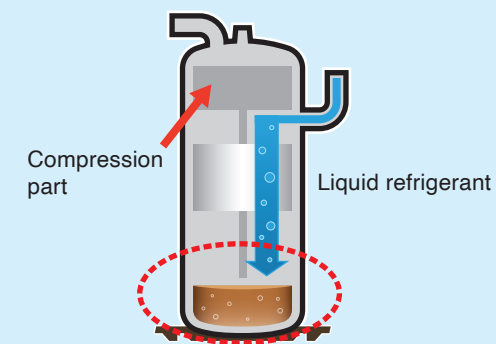
Liquid and gas refrigerants are separated beforehand by the accumulator to prevent liquid refrigerant from flowing into the compressor. Moreover, compressor structure is filled with low-pressure gas refrigerant. If liquid backflow occurs, the liquid will not enter the scroll of the compressed part directly.

Low-pressure shells



Most of the area in the compressor is taken up by the low-pressure gas. This prevents the motor and bearings from being heated up by the compressed high-pressure gas. The refrigerant is collected at the bottom of the shell to reduce the rate of compressor damage caused by liquid refrigerant compression.

When liquid backflow has occurred



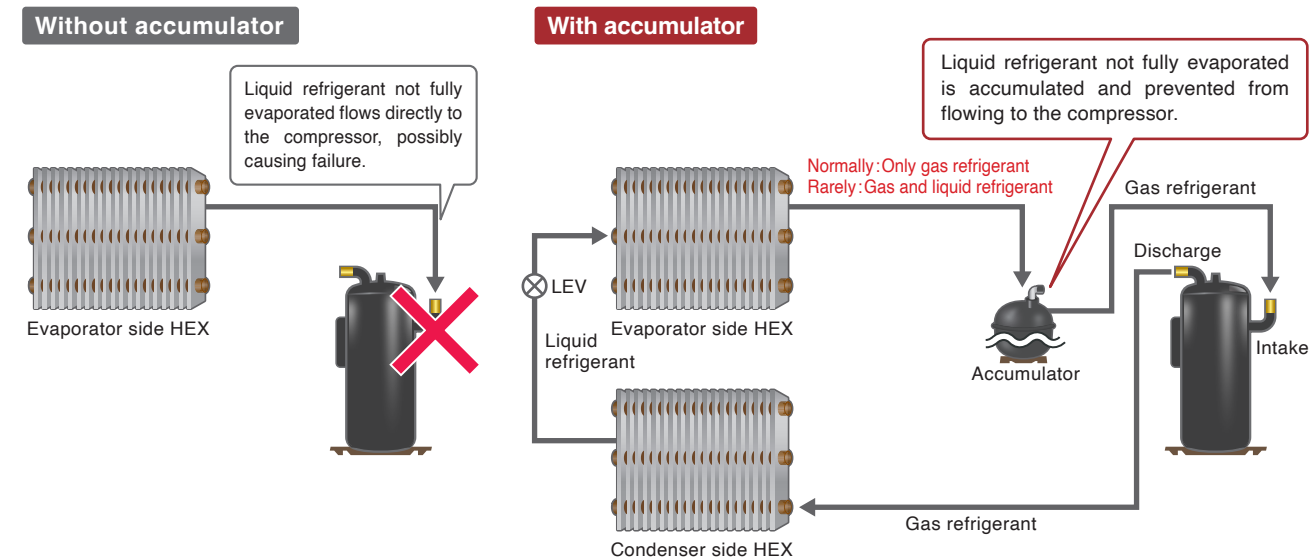
Liquid refrigerant goes to bottom part firstly

Liquid refrigerant doesn't go to compression part directly so that compressor itself is protected from malfunction due to liquid back.

Accumulator for preventing liquid backflow

When the refrigerant is not completely evaporated by the evaporator, it may remain as a liquid, flowing back into the compressor and causing liquid compression, which poses the risk of serious damage to the compressor. To counter this problem, Mitsubishi Electric uses an accumulator placed between the evaporator and the compressor to separate the liquid refrigerant.

* Adding too much refrigerant will cause excess refrigerant to accumulate in the accumulator, resulting in liquid back flow. Be sure to add only the proper amount of refrigerant.



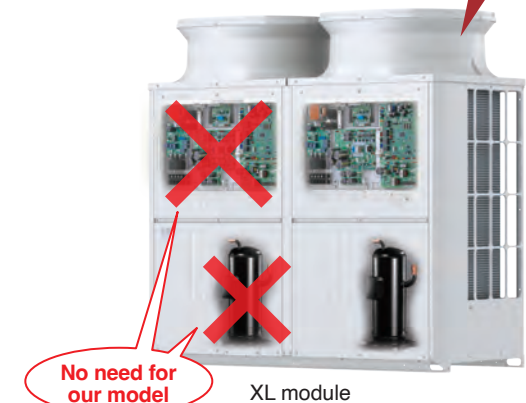
Operation with one compressor up to 20HP.

Outdoor units can be operated by one compressor, which contributes to improve service with less refrigerant piping work and components.

1 compressor model



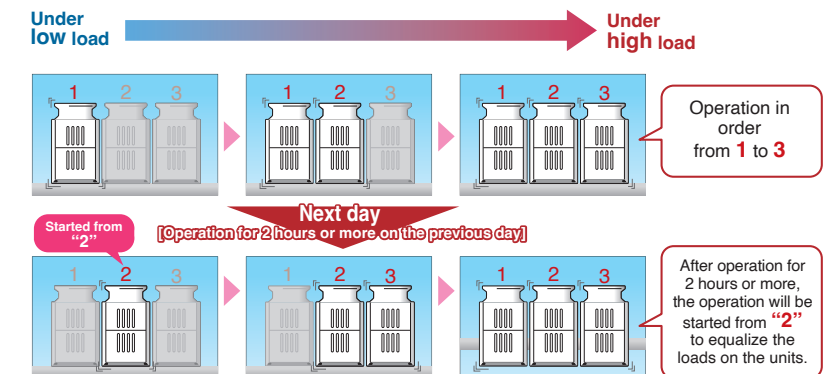
Lower number of required key parts reduces maintenance requirements



Rotation control

With the combination model, the outdoor units operate alternately. This reduces the operating load and leads to a longer service life.

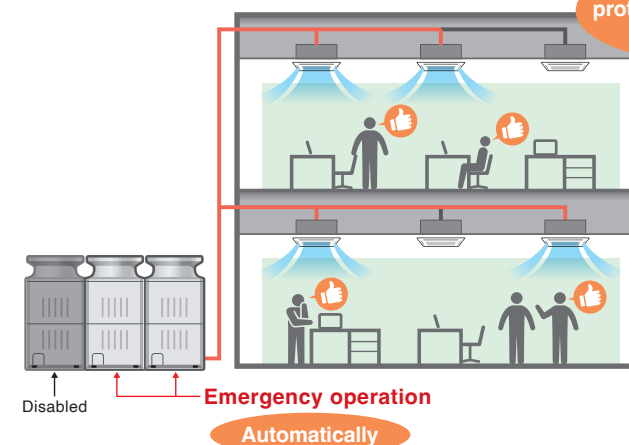
After operation for 2 hours or more, the next operation will be started from the outdoor unit "2." The unit to be started first is changed to equalize the operating time of the units.



Emergency operation mode

Emergency operation is possible with the indoor unit's remote control. With the combination model, if there is at least one module that can operate normally, the other outdoor unit temporarily performs emergency operation.

With emergency operation function



* The number of indoor units that can continue to operate during emergency operation is limited. For information on the maximum total capacity of indoor units, refer to the Service Handbook for the outdoor unit.

High reliability

2. Electric parts

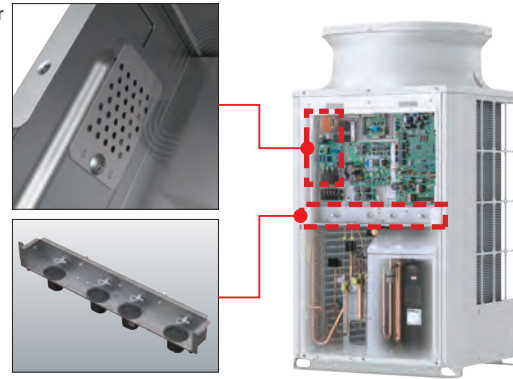
Gecko Guard

In order to keep insects from entering the control board box which may lead to malfunction, YKE model is equipped with preventative measures.



Slit prevents geckos to enter from the side.

Preventative measure has also been adopted on the bottom of the control board to prevent geckos entering.



Allowable operating up to $\pm 10\%$ voltage range

Operation of this model is guaranteed even for voltages up to 10% more or less than the indicated allowable voltage.

Reliable operation with support for voltage range of up to $\pm 10\%$

Power source
3N~
50/60Hz, 380/400/415V

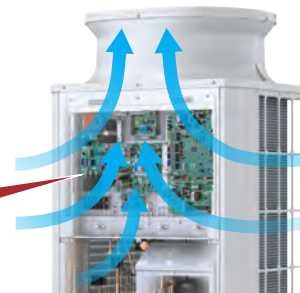


* When used 380V, operation is guaranteed even for voltages of up to maximum +20%

Naturally cooled PCB (Print circuit board)

PCBs (printed circuit boards) carry a large number of electronic components. When operation load increases, suitable cooling measures are required. Mitsubishi Electric places PCBs in the natural air flow path which enables air cooling to maintain efficiency and improve reliability of each electronic component.

PCB is naturally cooled by air



Access from front panel

Electrical parts are concentrated in the upper part of the panel which can be opened for easy replacement of PCBs if required.

Because the compressor is located in the lower right when the panel is opened, the service technician can easily perform maintenance from the front.

Easy to access



* Arrange a qualified technician for maintenance or service.

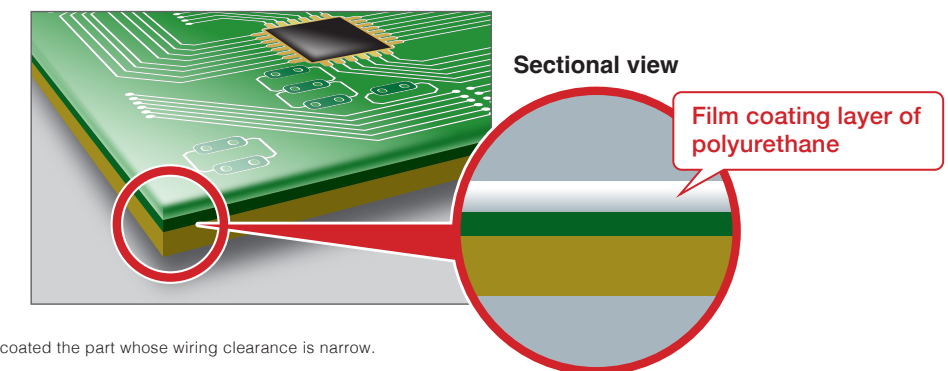
3. Corrosion resistance

Even in installation environments near coastal areas, Mitsubishi Electric products reduce the effects of corrosion due to salt damage by using a special designed for outdoor units.

* Effectiveness varies depending on the installation location.

Film coating on PCB (Print circuit board)

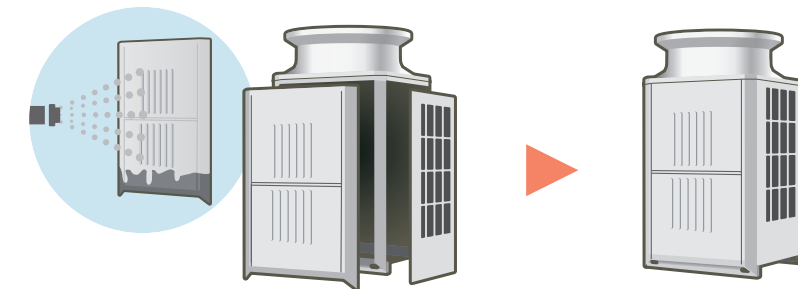
The printed circuit boards are protected by a film coating of polyurethane that covers the entire board to ensure resistance against salt corrosion.



* Standard model is only coated the part whose wiring clearance is narrow.

Polyester coated sheet

To prevent corrosion of the unit even in locations subject to the influence of sea breezes, the outdoor units are made with polyester coated steel sheets compliant with the JRA 9002 standard. The panel coating is used both on standard models and BS models, while BS models also include a thicker coating.



New heat exchanger design

The new YKE series adopts a new heat exchanger with aluminium alloy flat tube and fins with anti-corrosion zinc treatment. They are especially effective in environments near coastal areas and urban environments where salt or traffic air pollutions can damage the aluminum heat exchangers, reducing the capacity and life expectancy of the unit.



High reliability

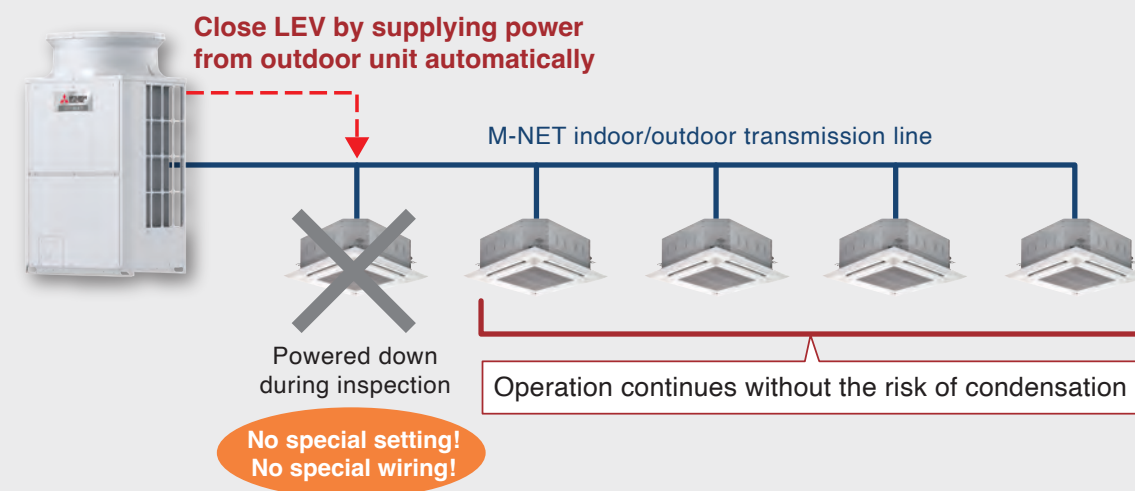
4. Operation support function

Without requiring any special settings or control steps, Mitsubishi Electric's original M-NET system enables other indoor units to continue operation even when one unit has stopped due to malfunction.

* Support for PUMY and PQHY models available.

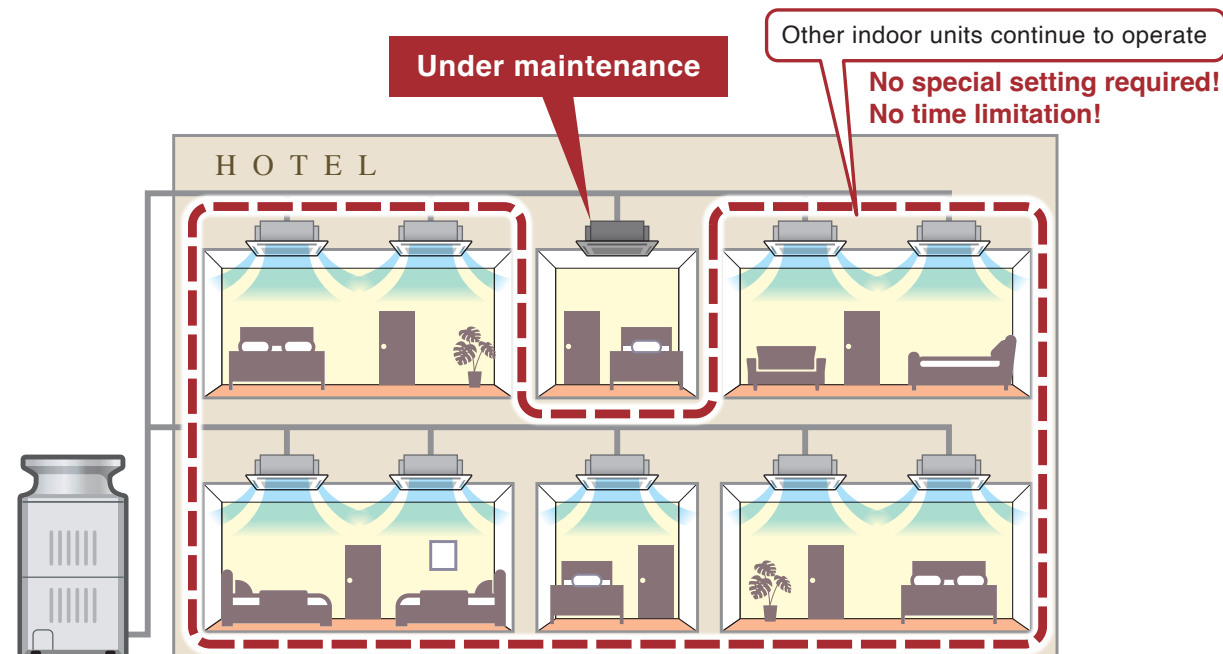
With M-NET indoor/outdoor unit communication function (CITY MULTI)

Because Mitsubishi Electric's M-NET transmission line can also supply power, it is possible to close the LEV of indoor units that has caused problem through control command from outdoor unit. This eliminates the risk of condensation and enables the other units to keep working.



For hotel application

Even if the system in one guest room cannot be used, air conditioning in other rooms does not need to be shut down, allowing business to continue.



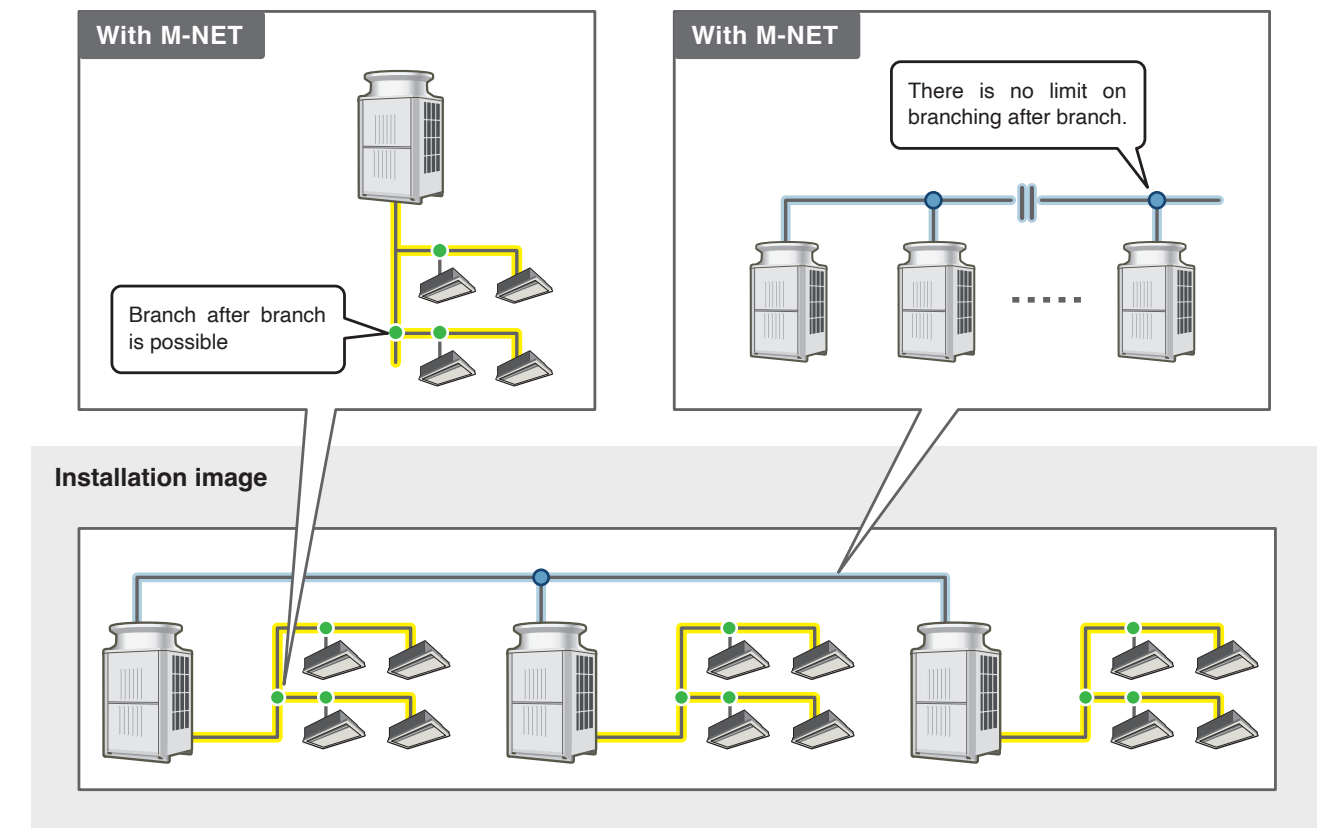
High installation flexibility

1. Flexible wiring design

Flexible M-NET design



The total wiring length of the original M-NET system connecting the CITY MULTI units of Mitsubishi Electric is unlimited. The system also supports multiple branching levels which greatly increases design flexibility for various buildings.



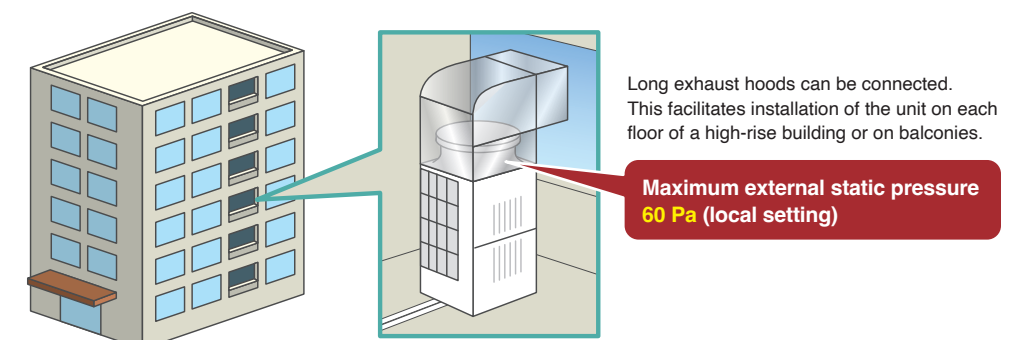
* The maximum power-supply distance of M-NET communication is 200 meters, a booster unit is required over 200 meters. Regarding maximum distance to the farthest device, please refer to "Explanatory material for M-NET 1000 m."

2. Flexible external static pressure setting

Selectable external static pressure of the outdoor unit



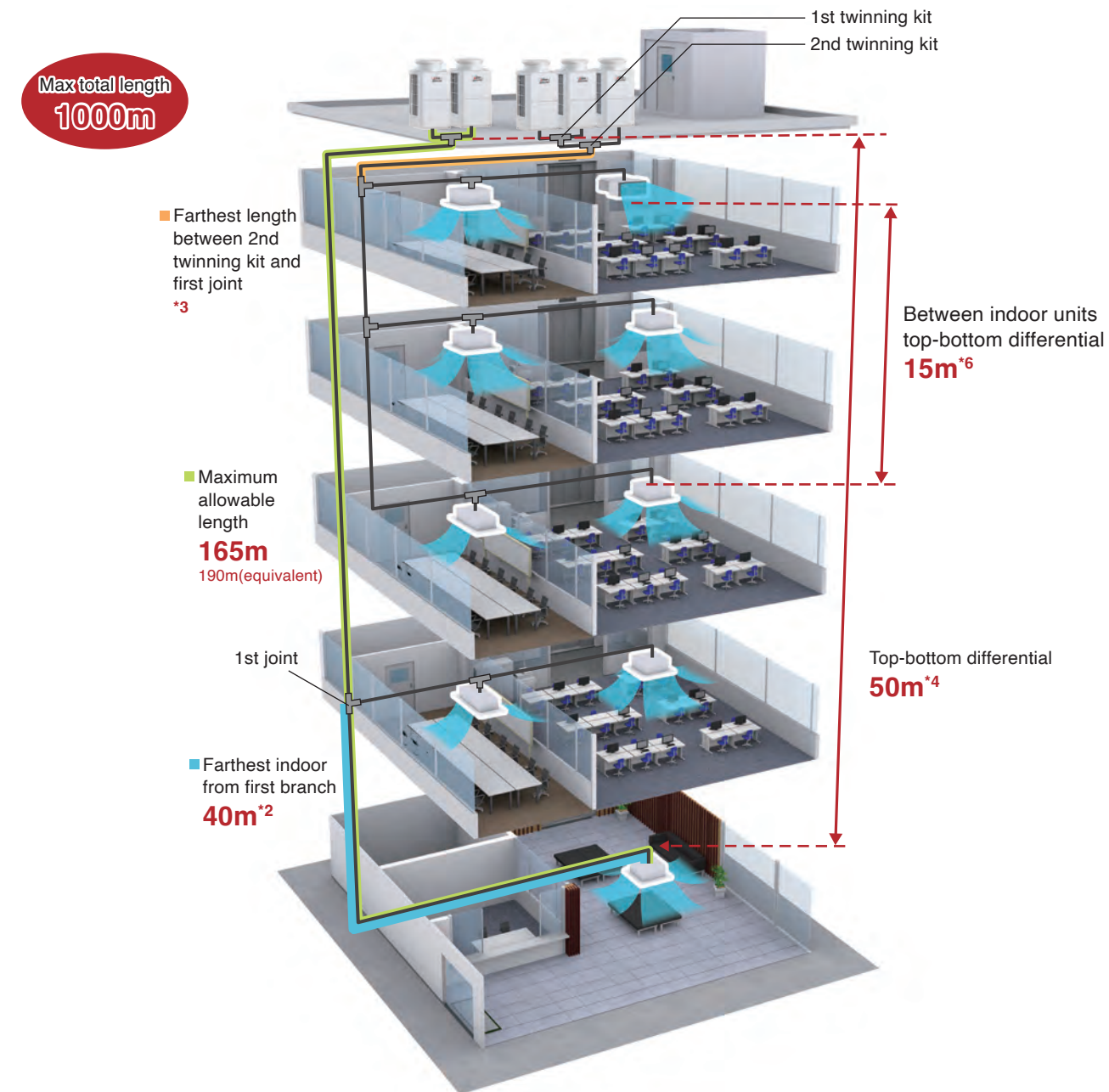
The static pressure specification of the outdoor unit can be selected (0, 30, 60 Pa). This facilitates installation of the unit on each floor of a high-rise building or on balconies.



High installation flexibility

3. Long piping length

Piping design also provides the flexibility to match the requirements of various buildings. With CITY MULTI, even large-scale building installations are no problem.



Refrigerant Piping Lengths	Maximum meters [feet]
Total length	1,000 [3,280]*1
Maximum allowable length	165 (190 equivalent) [541 (623)]
Farthest indoor from first branch	40 [131]*2
Farthest length between 2nd twinning kit and first joint	*3
Vertical differentials between units	Maximum meters [feet]
Indoor/outdoor (outdoor higher)	50 [164]*4
Indoor/outdoor (outdoor lower)	40 [131]*5
Indoor/indoor	15 [49]*6

*1 The maximum total piping length in systems with model units P1400 through P1500 800 m [2625 ft.].

*2 90m is available. When the piping length exceeds 40m, use one size larger liquid pipe starting with the section of piping where 40m is exceeded and all piping after that point.

[for PUCY-P-YKE(-BS) / PUCY-GP-YKE(-BS) / PUCY-EP-YKE(-BS)]

*3 In systems with model units P1400 through P1500, pipe length restrictions apply to the main pipes as follows:
P1400: 110 m [360 ft.] max.
P1450: 90 m [295 ft.] max.
P1500: 60 m [197 ft.] max.

*4 Depending on the model and installation conditions, top-bottom differential 90m [295ft.]. For more detailed information, please contact your nearest sales office or distributor.

*5 4 m [13 ft.] or less in cooling at outdoor temperature 10°C [50°F] or lower for heat pump series.

*6 30m is available. If the height difference between indoor units exceeds 15 m [49 ft.] (but does not exceed 30 m [98 ft.]), use pipes that are one size larger for indoor unit liquid pipes.
[for PUCY-P-YKE(-BS) / PUCY-GP-YKE(-BS) / PUCY-EP-YKE(-BS)]

Other useful Function

Flexible Noise Setting *1

The low-noise mode has four patterns 85%, 70%, 60% and 50% in respect to the fan speed. This can be set with the outdoor unit's dip switch. The pattern can be selected according to the customer's requests when low-noise operation is required.

*1 PUCY-P/GP/EP Low noise mode of 4 patterns 85%, 70%, 60%, 50% is available. **NEW**

- Achieve quiet operation at night time
- Adjustable noise level options up to 4 patterns
- Flexibility to accommodate a variety of applications
- Easy setting and scheduling via AE-200E



PUCY-P200YKE

Standard 57dB

-13 dB

Flexible Noise Setting **44dB*** (50%)

* Operation noise may increase due to the installation environment or the operation status.

* Increased adaptability and model selection range for buildings where low noise is essential



AE-200E

Flexible Noise Setting can be scheduled from the Web browser of AE-200E by connecting the PC.

Outdoor unit installed on roof operates in standard mode



Outdoor unit installed on balconies operate in low noise mode

OUTDOOR UNIT

YKE-series - Cooling-only Standard type
PUCY-P YKE (-BS)

Specifications

Model			PUCY-P200YKE (-BS)		PUCY-P250YKE (-BS)		PUCY-P300YKE (-BS)		PUCY-P350YKE (-BS)	
Power source			3-phase 4-wire 380~400~415 V 50/60 Hz		3-phase 4-wire 380~400~415 V 50/60 Hz		3-phase 4-wire 380~400~415 V 50/60 Hz		3-phase 4-wire 380~400~415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	22.4		28.5		33.5		40.0	
		BTU/h	76,400		97,200		114,300		136,500	
		Power input	kW		4.48		6.04		7.78	
		Current input	A		7.5~7.1~6.9		10.1~9.6~9.3		13.1~12.4~12.0	
Temp. range of cooling	EER	kW/kW	5.00		4.71		4.30		4.23	
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)	
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Quantity		1~17		1~21		1~26		1~30	
Sound pressure level (measured in anechoic room)		dB <A>	57.0		58.0		61.0		61.0	
Refrigerant piping diameter	Liquid pipe		mm (in.)		9.52 (3/8) Brazed		9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)		9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)	
	Gas pipe		mm (in.)		22.2 (7/8) Brazed		22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m³/min	150		150		150		210	
		L/s	2,500		2,500		2,500		3,500	
		cfm	5,296		5,296		5,296		7,415	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW		0.92 x 1		0.92 x 1		0.92 x 1	
	*2 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter		Inverter	
	Motor output		kW		3.0		4.3		5.8	
	Case heater		kW		—		—		—	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		mm	1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 1,220 x 740	
		in.	65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 48-1/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)		R410A x 3.0 kg (7 lbs)		R410A x 3.0 kg (7 lbs)		R410A x 5.0 kg (12 lbs)	
Net weight	kg (lbs)		170 (375)		170 (375)		170 (375)		207 (457)	
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Optional parts			Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme										

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series - Cooling-only Standard type
PUCY-P YKE (-BS)

Specifications

Model			PUCY-P400YKE (-BS)		PUCY-P450YKE (-BS)		PUCY-P500YKE (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	44.0		48.0		56.0	
		BTU/h	150,100		163,800		191,100	
		Power input	kW		11.12		12.67	
		Current input	A		18.7-17.8-17.1		21.3-20.3-19.5	
EER	kW/kW	3.95		3.78		3.80		
		Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)		
				10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		
Temp. range of cooling	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)	
			50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Quantity		1~34		1~39		1~43	
Sound pressure level (measured in anechoic room)		dB <A>	63.5		64.0		65.0	
Refrigerant piping diameter	Liquid pipe		mm (in.)		12.7 (1/2) Brazed		15.88 (5/8) Brazed	
	Gas pipe		mm (in.)		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed	
Fan	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m³/min	250		250		320	
			L/s		4,167		5,333	
			cfm		8,828		11,299	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW		0.92 x 1		0.92 x 2	
Compressor	*2 External static press.		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter	
	Motor output		kW		8.7		10.0	
Case heater		kW		—		—		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D			mm		1,650 x 1,220 x 740		1,650 x 1,220 x 740	
			in.		65 x 48-1/16 x 29-3/16		65 x 48-1/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Refrigerant		Type x original charge		R410A x 5.0 kg (12 lbs)		R410A x 5.0 kg (12 lbs)	
Net weight		kg (lbs)	207 (457)		207 (457)		260 (574)	
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)



Specifications

Model			PUCY-P550YSKE (-BS)	PUCY-P600YSKE (-BS)	PUCY-P650YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	62.0	68.5	72.5
		BTU/h	211,500	233,700	247,400
	Power input	kW	14.09	15.39	17.63
	Current input	A	23.7-22.5-21.7	25.9-24.6-23.7	29.7-28.2-27.2
Temp. range of cooling	EER	kW/kW	4.40	4.45	4.11
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~47	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	63.0	63.0	65.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed

Set Model

Model			PUCY-P250YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P400YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	150	150	210	150	250
		L/s	2,500	2,500	2,500	3,500	2,500	4,167
		cfm	5,296	5,296	5,296	7,415	5,296	8,828
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
Compressor	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.3	5.8	4.3	7.3	4.3	8.7
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D	mm		1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	170 (375)	207 (457)	170 (375)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)



Specifications

Model			PUCY-P700YSKE (-BS)	PUCY-P750YSKE (-BS)	PUCY-P800YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	76.5	81.5	88.0
		BTU/h	261,000	278,100	300,300
	Power input	kW	18.98	21.27	23.46
	Current input	A	32.0-30.4-29.3	35.9-34.1-32.8	39.6-37.6-36.2
Temp. range of cooling	EER	kW/kW	4.03	3.83	3.75
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	65.0	66.0	66.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed

Set Model

Model			PUCY-P250YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	250	150	250	250	250
		L/s	2,500	4,167	2,500	4,167	4,167	4,167
		cfm	5,296	8,828	5,296	8,828	8,828	8,828
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
Compressor	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.3	10.0	5.8	10.0	8.7	8.7
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D	mm		1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		170 (375)	207 (457)	170 (375)	207 (457)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)

Specifications

Model			PUCY-P850YSKE (-BS)	PUCY-P900YSKE (-BS)	PUCY-P950YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	92.0	96.0	104.0
		BTU/h	313,900	327,600	354,800
	Power input	kW	25.06	26.74	28.88
	Current input	A	42.3-40.1-38.7	45.1-42.8-41.3	48.7-46.3-44.6
Temp. range of cooling	EER	kW/kW	3.67	3.59	3.60
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	67.0	67.0	67.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P400YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P500YKE (-BS)	
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	250	250	250	250	250	320	
		L/s	4,167	4,167	4,167	4,167	4,167	5,333	
		cfm	8,828	8,828	8,828	8,828	8,828	11,299	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 2	
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method		Inverter		Inverter		Inverter		
	Motor output	kW	8.7	10.0	10.0	10.0	10.0	10.9	
	Case heater		—		—		—		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,750 x 740	
		in.	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 68-15/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight	kg (lbs)		207 (457)	207 (457)	207 (457)	207 (457)	207 (457)	260 (574)	
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme									

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)

Specifications

Model			PUCY-P1000YSKE (-BS)	PUCY-P1050YSKE (-BS)	PUCY-P1100YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	112.0	115.0	121.5
		BTU/h	382,100	392,400	414,600
	Power input	kW	31.02	29.33	30.91
	Current input	A	52.3-49.7-47.9	49.5-47.0-45.3	52.1-49.5-47.7
Temp. range of cooling	EER	kW/kW	3.61	3.92	3.93
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	68.0	67.0	67.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P500YKE (-BS)	PUCY-P500YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P450YKE (-BS)
Fan	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	320	320	150	150	250	150	210	250
		L/s	5,333	5,333	2,500	2,500	4,167	2,500	3,500	4,167
		cfm	11,299	11,299	5,296	5,296	8,828	5,296	7,415	8,828
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method		Inverter		Inverter		Inverter			
	Motor output	kW	10.9	10.9	5.8	5.8	10.0	5.8	7.3	10.0
	Case heater		kW		—		—		—	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			
External dimension H x W x D		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight		kg (lbs)	260 (574)	260 (574)	170 (375)	170 (375)	207 (457)	170 (375)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			
Engery Labelling Scheme										

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series - Cooling-only Standard type

PUCY-P YSKE (-BS)



Specifications

Model			PUCY-P1150YSKE (-BS)	PUCY-P1200YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	128.0	132.0
		BTU/h	436,700	450,400
	Power input	kW	33.33	35.20
	Current input	A	56.2-53.4-51.5	59.4-56.4-54.4
Temp. range of cooling	EER	kW/kW	3.84	3.75
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		1~50	
Sound pressure level (measured in anechoic room)	dB <A>		68.0	68.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P350YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)				
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1				
	Air flow rate	m³/min	210	250	250	250	250	250				
		L/s	3,500	4,167	4,167	4,167	4,167	4,167				
		cfm	7,415	8,828	8,828	8,828	8,828	8,828				
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor						
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1				
	*2	External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)			
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor						
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter				
	Motor output	kW	7.3	8.7	8.7	8.7	8.7	8.7				
	Case heater	kW	—	—	—	—	—	—				
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>						
External dimension H x W x D			mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740				
			in.	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16				
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)						
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection						
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)				
Net weight	kg (lbs)		207 (457)	207 (457)	207 (457)	207 (457)	207 (457)	207 (457)				
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube						
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed				
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed				
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G						
Engery Labelling Scheme												

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series - Cooling-only Standard type

PUCY-P YSKE (-BS)



Specifications

Model			PUCY-P1250YSKE (-BS)	PUCY-P1300YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	136.0	140.0
		BTU/h	464,000	477,700
	Power input	kW	36.85	38.46
	Current input	A	62.2-59.0-56.9	64.9-61.6-59.4
Temp. range of cooling	EER	kW/kW	3.69	3.64
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		2~50	
Sound pressure level (measured in anechoic room)	dB <A>		68.5	69.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P400YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P400YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	250	250	250	250	250	250
		L/s	4,167	4,167	4,167	4,167	4,167	4,167
		cfm	8,828	8,828	8,828	8,828	8,828	8,828
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*2	External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	8.7	8.7	10.0	8.7	10.0	10.0
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D			mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
			in.	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		207 (457)	207 (457)	207 (457)	207 (457)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								
								
								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)

Specifications

Model			PUCY-P1350YSKE (-BS)	PUCY-P1400YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	144.0	152.0
		BTU/h	491,300	518,600
	Power input	kW	40.11	42.33
		A	67.7-64.3-62.0	71.4-67.8-65.4
Temp. range of cooling	EER		3.59	3.59
	Indoor		15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor		10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		2~50	2~50
Sound pressure level (measured in anechoic room)	dB <A>		69.0	69.5
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe		41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P450YKE (-BS)	PUCY-P500YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	250	250	250	250	250	320
		L/s	4,167	4,167	4,167	4,167	4,167	5,333
		cfm	8,828	8,828	8,828	8,828	8,828	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 2
	*2	External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.0	10.0	10.0	10.0	10.0	10.9
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,750 x 740
		in.	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		207 (457)	207 (457)	207 (457)	207 (457)	207 (457)	260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300/BK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300/BK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only Standard type

PUCY-P YSKE (-BS)

Specifications

Model			PUCY-P1450YSKE (-BS)	PUCY-P1500YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	160.0	168.0
		BTU/h	545,900	573,200
	Power input	kW	44.44	46.53
		A	75.0-71.2-68.6	78.5-74.6-71.9
Temp. range of cooling	EER		3.60	3.61
	Indoor		15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor		10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		2~50	2~50
Sound pressure level (measured in anechoic room)	dB <A>		69.5	70.0
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe		41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P450YKE (-BS)	PUCY-P500YKE (-BS)	PUCY-P500YKE (-BS)	PUCY-P500YKE (-BS)	PUCY-P500YKE (-BS)	PUCY-P500YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	250	320	320	320	320	320
		L/s	4,167	5,333	5,333	5,333	5,333	5,333
		cfm	8,828	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.0	10.9	10.9	10.9	10.9	10.9
	Case heater	kW	—	—	—	—	—	—
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			
External dimension H x W x D		mm	1,650 x 1,220 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
		in.	65 x 48-1/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		207 (457)	260 (574)	260 (574)	260 (574)	260 (574)	260 (574)
Heat exchanger		Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			
Engery Labelling Scheme		     						

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series - Cooling-only High Standard type**PUCY-GP YSKE (-BS)**

OUTDOOR UNIT

YKE-series

- Cooling-only High Standard type

PUCY-GP YSKE (-BS)

Specifications

Model			PUCY-GP400YSKE (-BS)	PUCY-GP450YSKE (-BS)	PUCY-GP500YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	44.8	50.9	57.0
		BTU/h	152,900	173,700	194,500
	Power input	kW	9.43	11.04	12.75
	Current input	A	15.9-15.1-14.5	18.6-17.7-17.0	21.5-20.4-19.7
Temp. range of cooling	EER	kW/kW	4.75	4.61	4.47
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~34	1~39	1~43
Sound pressure level (measured in anechoic room)		dB <A>	60.0	60.5	61.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed

Set Model

Model			PUCY-P200YKE (-BS)	PUCY-P200YKE (-BS)	PUCY-P200YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P250YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	150	150	150	150	150
		L/s	2,500	2,500	2,500	2,500	2,500	2,500
		cfm	5,296	5,296	5,296	5,296	5,296	5,296
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.0	3.0	3.0	4.3	4.3	4.3
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	170 (375)	170 (375)	170 (375)	170 (375)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

Specifications

Model			PUCY-GP650YSKE (-BS)	PUCY-GP700YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	73.5	80.0
		BTU/h	250,800	273,000
	Power input	kW	18.14	19.51
	Current input	A	30.6-29.0-28.0	32.9-31.2-30.1
Temp. range of cooling	EER	kW/kW	4.05	4.10
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	64.0	64.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed

Set Model

Model			PUCY-P300YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	210	210	210
		L/s	2,500	3,500	3,500	3,500
		cfm	5,296	7,415	7,415	7,415
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.8	7.3	7.3	7.3
	Case heater	kW	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		170 (375)	207 (457)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	
						

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Standard type

PUCY-GP YSKE (-BS)

Specifications

Model			PUCY-GP750YSKE (-BS)	PUCY-GP800YSKE (-BS)	PUCY-GP850YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	84.8	90.9	97.0
		BTU/h	289,300	310,200	331,000
	Power input	kW	18.84	20.61	22.45
	Current input	A	31.8-30.2-29.1	34.7-33.0-31.8	37.8-36.0-34.7
Temp. range of cooling	EER	kW/kW	4.50	4.41	4.32
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	63.5	64.0	64.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P200YKE (-BS)	PUCY-P200YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P200YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P250YKE (-BS)	PUCY-P350YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	150	210	150	150	210	150	150	210
		L/s	2,500	2,500	3,500	2,500	2,500	3,500	2,500	2,500	3,500
		cfm	5,296	5,296	7,415	5,296	5,296	7,415	5,296	5,296	7,415
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.0	3.0	7.3	3.0	4.3	7.3	4.3	4.3	7.3
	Case heater	kW	—	—	—	—	—	—	—	—	—
	External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	207 (457)	170 (375)	170 (375)	207 (457)	170 (375)	170 (375)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme											

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Standard type

PUCY-GP YSKE (-BS)

Specifications

Model			PUCY-GP900YSKE (-BS)	PUCY-GP950YSKE (-BS)	PUCY-GP1000YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	102.0	107.0	113.5
		BTU/h	348,000	365,100	387,300
	Power input	kW	24.34	26.35	28.09
	Current input	A	41.0-39.0-37.6	44.4-42.2-40.7	47.4-45.0-43.4
Temp. range of cooling	EER	kW/kW	4.19	4.06	4.04
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	65.0	66.0	66.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P250YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P300YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	150	210	150	150	210	150	210	210
		L/s	2,500	2,500	3,500	2,500	2,500	3,500	2,500	3,500	3,500
		cfm	5,296	5,296	7,415	5,296	5,296	7,415	5,296	7,415	7,415
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.3	5.8	7.3	5.8	5.8	7.3	5.8	7.3	7.3
	Case heater	kW	—	—	—	—	—	—	—	—	—
	External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	207 (457)	170 (375)	170 (375)	207 (457)	170 (375)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme											

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Standard type

PUCY-GP YSKE (-BS)

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YKE (-BS)

Specifications

Model			PUCY-GP1050YSKE (-BS)	PUCY-GP1100YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	120.0	124.0
		BTU/h	409,400	423,100
	Power input	kW	28.91	31.63
	Current input	A	48.8-46.3-44.6	53.3-50.7-48.8
EER			4.15	3.92
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~50	1~50
Sound pressure level (measured in anechoic room)		dB <A>	66.0	67.0
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model

Model			PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P350YKE (-BS)	PUCY-P400YKE (-BS)
Fan	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	210	210	210	210	210	250
		L/s	3,500	3,500	3,500	3,500	3,500	4,167
		cfm	7,415	7,415	7,415	7,415	7,415	8,828
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2	External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.3	7.3	7.3	7.3	7.3	8.7
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D			mm	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740
			in.	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	kg (lbs)		207 (457)	207 (457)	207 (457)	207 (457)	207 (457)	207 (457)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

Specifications

Model			PUCY-EP200YKE (-BS)	PUCY-EP250YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP350YKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	22.4	28.5	33.5	40.0
		BTU/h	76,400	97,200	114,300	136,500
	Power input	kW	4.43	6.00	7.08	8.60
	Current input	A	7.4-7.1-6.8	10.1-9.6-9.2	11.9-11.3-10.9	14.5-13.7-13.2
Temp. range of cooling	EER	kW/kW	5.05	4.75	4.73	4.65
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~17	1~21	1~26	1~30
Sound pressure level (measured in anechoic room)		dB <A>	57.0	58.0	60.5	60.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	150	150	320	320
		L/s	2,500	2,500	5,333	5,333
		cfm	5,296	5,296	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 2	0.92 x 2
*2	External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	2.9	4.3	4.3	5.6
	Case heater	kW	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
	in.		65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	247 (545)	262 (578)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube	Salt-resistant corrugated fin & aluminium alloy tube	Salt-resistant corrugated fin & aluminium alloy tube	Salt-resistant corrugated fin & aluminium alloy tube
Optional parts			Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G
Engery Labelling Scheme						

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YKE (-BS)

Specifications

Model			PUCY-EP400YKE (-BS)		PUCY-EP450YKE (-BS)		PUCY-EP500YKE (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	44.0		48.0		56.0	
		BTU/h	150,100		163,800		191,100	
		Power input	kW		10.13		11.42	
		Current input	A		17.1-16.2-15.6		19.2-18.3-17.6	
		EER	kW/kW		4.34		4.20	
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)	
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Quantity		1~34		1~39		1~43	
Sound pressure level (measured in anechoic room)		dB <A>	59.0		60.5		64.5	
Refrigerant piping diameter	Liquid pipe		mm (in.) 12.7 (1/2) Brazed		15.88 (5/8) Brazed		15.88 (5/8) Brazed	
	Gas pipe		mm (in.) 28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Air flow rate	m³/min	320		320		320	
		L/s	5,333		5,333		5,333	
		cfm	11,299		11,299		11,299	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW 0.92 x 2		0.92 x 2		0.92 x 2	
	*2 External static press.		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	6.9		8.0		10.6	
	Case heater		kW —		—		—	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740		1,650 x 1,750 x 740	
		in.	65 x 68-15/16 x 29-3/16		65 x 68-15/16 x 29-3/16		65 x 68-15/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant			Type x original charge		R410A x 6.0 kg (14 lbs)		R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	260 (574)		260 (574)		260 (574)	
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP400YSKE (-BS)	PUCY-EP450YSKE (-BS)	PUCY-EP500YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	44.8	50.9	57.0
			152,900	173,700	194,500
		BTU/h	152,900	173,700	194,500
		Power input	9.35	10.94	12.63
		Current input	15.7-14.9-14.4	18.4-17.5-16.9	21.3-20.2-19.5
Temp. range of cooling	EER	kW/kW	4.79	4.65	4.51
			15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
		W.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
		D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
		EER	4.79	4.65	4.51
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Quantity		1~34	1~39	1~43
Sound pressure level (measured in anechoic room)		dB <A>	60.0	60.5	61.0
Refrigerant piping diameter	Liquid pipe		12.7 (1/2) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze
	Gas pipe		28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze

Set Model

Model			PUCY-EP200YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP250YKE (-BS)	PUCY-EP250YKE (-BS)	PUCY-EP250YKE (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	150	150	150	150	150	150
		L/s	2,500	2,500	2,500	2,500	2,500	2,500
		cfm	5,296	5,296	5,296	5,296	5,296	5,296
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	2.9	2.9	2.9	4.3	4.3	4.3
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D	mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740
	in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)
Net weight	kg (lbs)		170 (375)	170 (375)	170 (375)	170 (375)	170 (375)	170 (375)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze
	Gas pipe	mm (in.)	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model	PUCY-EP550YSKE (-BS)			PUCY-EP600YSKE (-BS)			PUCY-EP650YSKE (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	62.4	68.5	73.5				
		BTU/h	212,900	233,700	250,800				
		Power input	13.56	15.25	16.51				
		Current input	22.8-21.7-20.9	25.7-24.4-23.5	27.8-26.4-25.5				
		EER	4.60	4.49	4.45				
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)				
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)				
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity				
	Quantity		1~47	1~50	1~50				
Sound pressure level (measured in anechoic room)		dB <A>	62.5	63.5	63.5				
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed				
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed				

Set Model

Model			PUCY-EP200YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP350YKE (-BS)						
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2						
	Air flow rate	m³/min	150	320	320	320	320	320						
		L/s	2,500	5,333	5,333	5,333	5,333	5,333						
		cfm	5,296	11,299	11,299	11,299	11,299	11,299						
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor							
	Motor output	kW	0.92 x 1	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2						
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)						
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor							
	Starting method		Inverter		Inverter		Inverter							
	Motor output	kW	2.9	5.6	4.3	4.3	4.3	5.6						
	Case heater	kW	—	—	—	—	—	—						
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>							
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740						
		in.	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16						
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)							
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection							
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)						
Net weight	kg (lbs)		170 (375)	262 (578)	247 (545)	247 (545)	247 (545)	262 (578)						
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube							
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed						
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed						
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G							
Engery Labelling Scheme														

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model	PUCY-EP700YSKE (-BS)			PUCY-EP750YSKE (-BS)			PUCY-EP800YSKE (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	80.0	84.8	90.9				
		BTU/h	273,000	289,300	310,200				
		Power input	18.14	18.15	19.89				
		Current input	30.6-29.0-28.0	30.6-29.1-28.0	33.5-31.8-30.7				
		EER	4.41	4.67	4.57				
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)				
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)				
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity				
	Quantity		1~50	1~50	1~50				
Sound pressure level (measured in anechoic room)		dB <A>	63.5	63.5	63.5				
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed				
	Gas pipe	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed				

Set Model

Model			PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP250YKE (-BS)	PUCY-EP350YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	320	320	150	150	320	150	150	320
		L/s	5,333	5,333	2,500	2,500	5,333	2,500	2,500	5,333
		cfm	11,299	11,299	5,296	5,296	11,299	5,296	5,296	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 1	0.92 x 1	0.92 x 2	0.92 x 1	0.92 x 1	0.92 x 2
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method		Inverter		Inverter		Inverter		Inverter	
	Motor output	kW	5.6	5.6	2.9	2.9	5.6	2.9	4.3	5.6
External finish	Case heater	kW	—	—	—		—			
			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			
External dimension H x W x D		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740
		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		262 (578)	262 (578)	170 (375)	170 (375)	262 (578)	170 (375)	170 (375)	262 (578)
Heat exchanger		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube				
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G				
Engery Labelling Scheme										

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model	PUCY-EP850YSKE (-BS)			PUCY-EP900YSKE (-BS)			PUCY-EP950YSKE (-BS)		
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	97.0			102.4			
		BTU/h	331,000			349,400			
		kW	21.65			22.55			
		Current input	A			38.0-36.1-34.8			
		EER	kW/kW			4.48			
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)			15.0~24.0 °C (59~75 °F)			
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)			10.0~52.0 °C (50~126 °F)			
	Indoor unit connectable		Total capacity			50~130% of outdoor unit capacity			
		Quantity			1~50				
Sound pressure level (measured in anechoic room)		dB <A>		64.0			64.5		
Refrigerant piping diameter		Liquid pipe		mm (in.)			19.05 (3/4) Brazed		
		Gas pipe		mm (in.)			41.28 (1-5/8) Brazed		

Set Model

Model			PUCY-EP250YKE (-BS)	PUCY-EP250YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP200YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP300YKE (-BS)	PUCY-EP350YKE (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	150	150	320	150	320	320	320	320	320	320
		L/s	2,500	2,500	5,333	2,500	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	5,296	5,296	11,299	5,296	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 2	0.92 x 1	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	4.3	4.3	5.6	2.9	5.6	5.6	4.3	4.3	5.6	
	Case heater		kW			kW			kW			
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			
External dimension H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
Refrigerant	Type x original charge		R410A x 3.0 kg (7 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 3.0 kg (7 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	170 (375)	170 (375)	262 (578)	170 (375)	262 (578)	262 (578)	247 (545)	247 (545)	262 (578)	
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			
Engery Labelling Scheme												

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP1000YSKE (-BS)		PUCY-EP1050YSKE (-BS)		PUCY-EP1100YSKE (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	113.5		120.0		124.0	
		BTU/h	387,300		409,400		423,100	
		Power input	25.56		27.21		28.77	
		Current input	43.1-40.9-39.5		45.9-43.6-42.0		48.5-46.1-44.4	
		EER	4.44		4.41		4.31	
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)	
	Outdoor	D.B.	10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)		10.0~52.0 °C (50~126 °F)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Quantity		1~50		1~50		1~50	
Sound pressure level (measured in anechoic room)		dB <A>	65.5		65.5		65.0	
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed		19.05 (3/4) Brazed	
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed	

Set Model

Model			PUCY-EP300YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP350YKE (-BS)	PUCY-EP400YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	320	320	320	320	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	11,299	11,299	11,299	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.9
Case heater		kW	—	—	—	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight		kg (lbs)	247 (545)	262 (578)	262 (578)	262 (578)	262 (578)	262 (578)	262 (578)	262 (578)	260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme											

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP1150YSKE (-BS)	PUCY-EP1200YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	128.0	132.0
		BTU/h	436,700	450,400
		Power input kW	30.33	31.96
		Current input A	51.2-48.6-46.8	53.9-51.2-49.4
Temp. range of cooling	EER	kW/kW	4.22	4.13
		Indoor W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
		Outdoor D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		1~50	
Sound pressure level (measured in anechoic room)		dB <A>	64.5	64.0
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	
	Gas pipe		41.28 (1-5/8) Brazed	

Set Model

Model			PUCY-EP350YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP400YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	320	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	6.9	6.9	6.9	6.9	6.9
Case heater		kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		262 (578)	260 (574)	260 (574)	260 (574)	260 (574)	260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP1250YSKE (-BS)	PUCY-EP1300YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	136.0	140.0
		BTU/h	464,000	477,700
		Power input kW	32.92	34.73
		Current input A	55.5-52.7-50.8	58.6-55.6-53.6
Temp. range of cooling	EER	kW/kW	4.13	4.03
		Indoor W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
		Outdoor D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		2~50	
Sound pressure level (measured in anechoic room)		dB <A>	64.5	65.0
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	
	Gas pipe		41.28 (1-5/8) Brazed	

Set Model

Model			PUCY-EP400YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP400YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP450YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	320	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	6.9	6.9	8.0	6.9	8.0	8.0
External finish	Case heater	kW	—	—	—	—	—	—
			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D								
	mm		1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
	in.		65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		260 (574)	260 (574)	260 (574)	260 (574)	260 (574)	260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								
								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP1350YSKE (-BS)	PUCY-EP1400YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	144.0	152.0
		BTU/h	491,300	518,600
		Power input kW	36.09	39.07
		Current input A	60.9-57.8-55.7	65.9-62.6-60.3
Temp. range of cooling	EER	kW/kW	3.99	3.89
		Indoor W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
		Outdoor D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		2~50	
Sound pressure level (measured in anechoic room)	dB <A>		65.5	67.0
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	
	Gas pipe		41.28 (1-5/8) Brazed	

Set Model

Model			PUCY-EP450YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP450YKE (-BS)	PUCY-EP500YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	320	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	8.0	8.0	8.0	8.0	8.0	10.6
	Case heater	kW	—	—	—	—	—	—
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D			mm in.	1,650 x 1,750 x 740 65 x 68-15/16 x 29-3/16	1,650 x 1,750 x 740 65 x 68-15/16 x 29-3/16	1,650 x 1,750 x 740 65 x 68-15/16 x 29-3/16	1,650 x 1,750 x 740 65 x 68-15/16 x 29-3/16	1,650 x 1,750 x 740 65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs) 260 (574)	R410A x 6.0 kg (14 lbs) 260 (574)	R410A x 6.0 kg (14 lbs) 260 (574)	R410A x 6.0 kg (14 lbs) 260 (574)	R410A x 6.0 kg (14 lbs) 260 (574)	R410A x 6.0 kg (14 lbs) 260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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

OUTDOOR UNIT

YKE-series

- Cooling-only High Efficiency type

PUCY-EP YSKE (-BS)

Specifications

Model			PUCY-EP1450YSKE (-BS)	PUCY-EP1500YSKE (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	160.0	168.0
		BTU/h	545,900	573,200
		Power input kW	42.10	45.40
		Current input A	71.0-67.5-65.0	76.6-72.8-70.1
Temp. range of cooling	EER	kW/kW	3.80	3.70
		Indoor W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
		Outdoor D.B.	10.0~52.0 °C (50~126 °F)	10.0~52.0 °C (50~126 °F)
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Quantity		2~50	
Sound pressure level (measured in anechoic room)	dB <A>		68.5	69.5
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed	
	Gas pipe		41.28 (1-5/8) Brazed	

Set Model

Model			PUCY-EP450YKE (-BS)	PUCY-EP500YKE (-BS)	PUCY-EP500YKE (-BS)	PUCY-EP500YKE (-BS)	PUCY-EP500YKE (-BS)	PUCY-EP500YKE (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	320	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333	5,333
		cfm	11,299	11,299	11,299	11,299	11,299	11,299
	Control, Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
Compressor	*2 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	8.0	10.6	10.6	10.6	10.6	10.6
External finish	Case heater	kW	—	—	—	—	—	—
			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D								
	mm		1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740
	in.		65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	kg (lbs)		260 (574)	260 (574)	260 (574)	260 (574)	260 (574)	260 (574)
Heat exchanger			Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Engery Labelling Scheme								

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27 °C D.B./19 °C W.B. (81 °F D.B./66 °F W.B.)	35 °C D.B. (95 °F D.B.)	7.5 m (24-9/16 ft.)	0 m (0 ft.)

*2 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH₂O, 6.1 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

*3 The sound level may increase at high outside air temperature.

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



Indoor unit

A suitable unit can be selected from among a wide lineup of 17 types of units according to a building's needs. The lineup includes the cassette type, ensuring improved comfort and a pleasant appearance, the ceiling concealed type, excelling in quietness and ensuring flexible placement of air outlets, and the ceiling suspended and wall-mounted types.



Various installation patterns for indoor situations

Ceiling Cassette



Ceiling Concealed

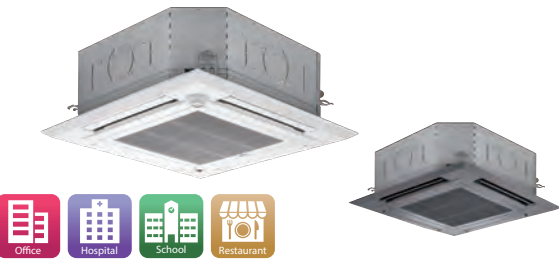


Other Types



4-way airflow type

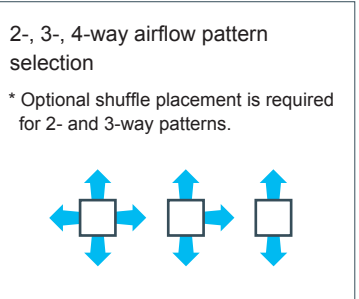
PLFY-P VEM-PA
PLFY-EP VEM-E



Optimum Airflow

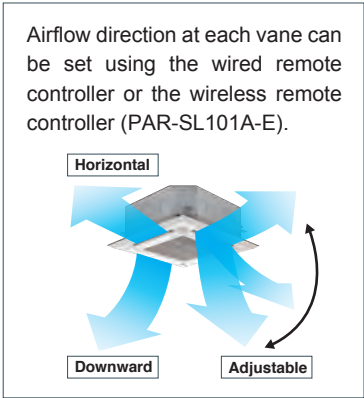
2-, 3-, 4-way Airflow Pattern Selection

Three outlet options to choose from-bidirectional, 3-way, and 4-way to suit different types of installation. Select, for example, 4-directional for installation in the center of the room and 3-directional for installation in the corner.

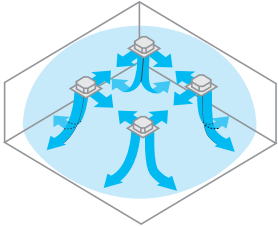


Individual Vane Angle Settings

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



Multi-directional air-conditioning



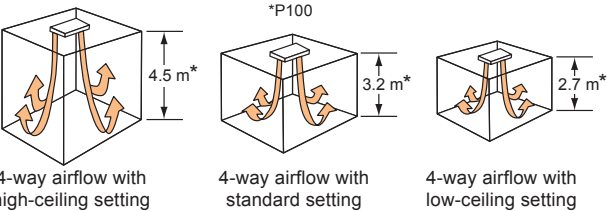
2-, 3-, 4-way Airflow Pattern Selection

Individual Vane Angle Settings

The combination of individual vane setting enables the 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

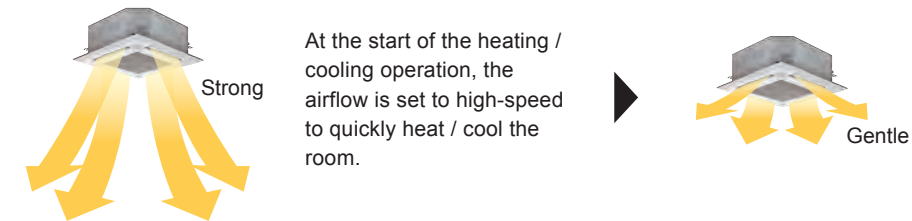
Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match a room's height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.



Model	P32-P80			P100/P125/P140		
	High-ceiling setting	Standard setting	Low-ceiling setting	High-ceiling setting	Standard setting	Low-ceiling setting
4-way	3.5 m	2.7 m	2.5 m	4.5 m	3.2 m	2.7 m
3-way	3.5 m	3.0 m	2.7 m	4.5 m	3.6 m	3.0 m
2-way	3.5 m	3.3 m	3.0 m	4.5 m	4.0 m	3.3 m

Automatic Air-speed Adjustment

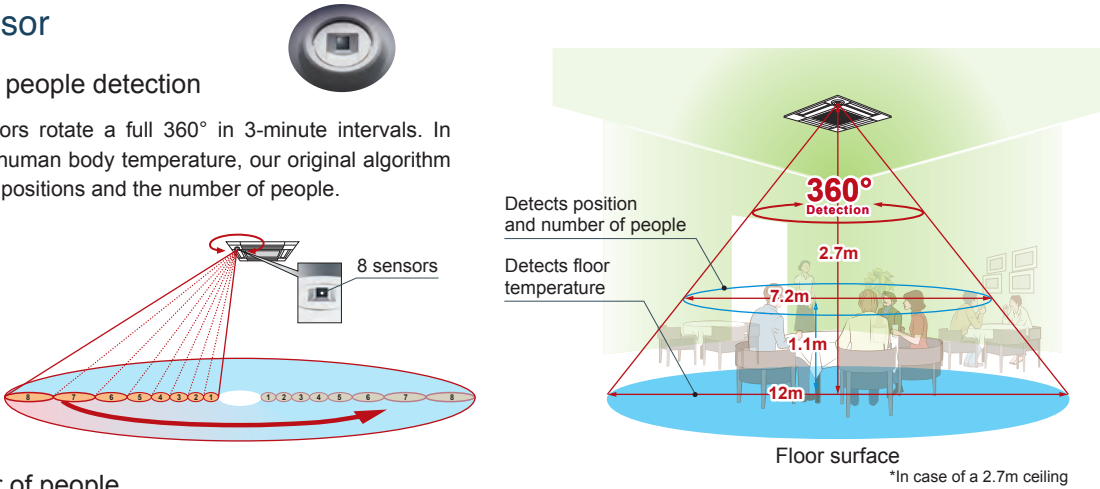
An automatic air-speed mode that adjusts airflow speed automatically is adopted to maintain comfortable room conditions at all times. This setting automatically adjusts the air-speed to conditions that match the room environment.



3D i-see Sensor

- Highly accurate people detection

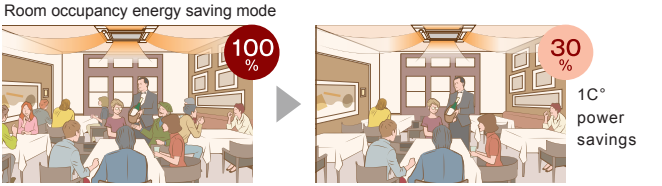
A total of eight sensors rotate a full 360° in 3-minute intervals. In addition to detecting human body temperature, our original algorithm also detects people's positions and the number of people.



- Detects number of people

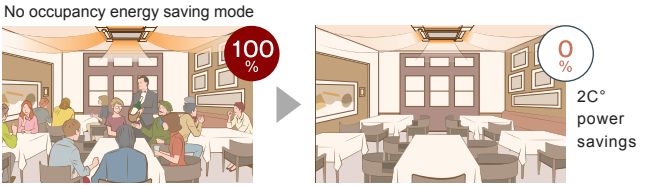
Room occupancy energy-saving mode

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 in order to save air-conditioning power. Air-conditioning power equivalent to 1°C is saved during both cooling and heating operation at an occupancy rate of approximately 30%. The temperature is controlled according to the number of people.



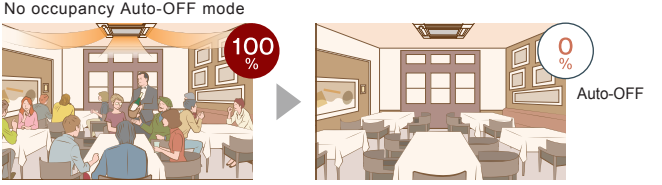
No occupancy energy-saving mode

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



No occupancy Auto-OFF mode

When the room remains unoccupied for a preset period 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 10min, ranging from 60 to 180 min.



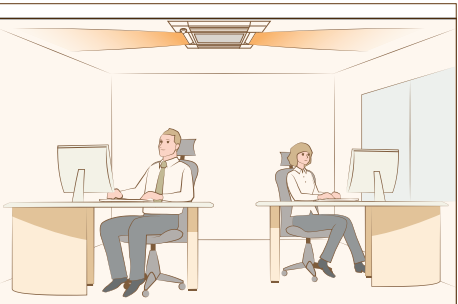
*No occupancy Auto-OFF mode is not available when multiple indoor units are operated by one MA remote controller.

*PAR-41MAAM is required for each setting.

- Detects people's position

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, it is possible to choose to block or not block to the wind for each vane.



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

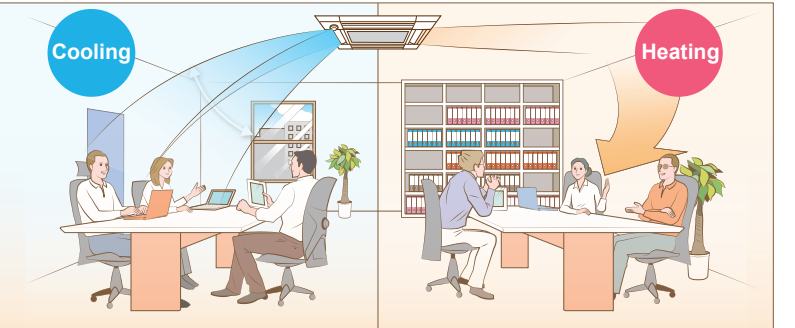
Seasonal airflow*

<When cooling>

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

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator 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-41MAAM is required for each setting.

Easy Installation

Temporary hanging hook

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



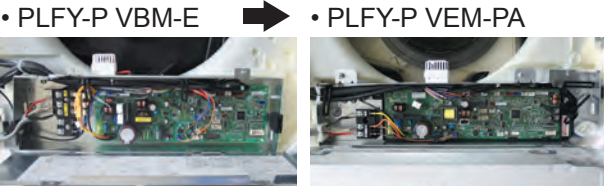
No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box, simply loosen them. This lowers the risk of losing screws.



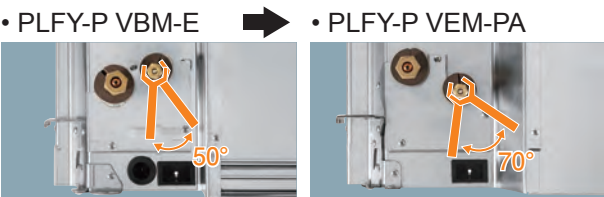
Electrical box wiring

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



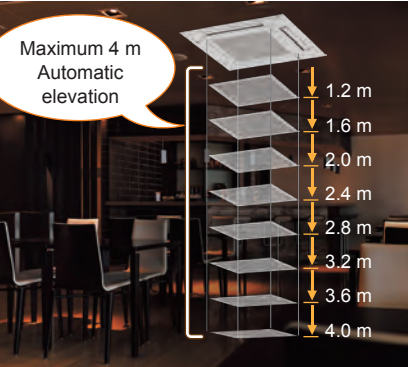
Increased space for plumbing work

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 where the spanner can be moved has been increased, thus improving liquid pipe work and enabling it to be completed smoothly.



Easy Cleaning

With automatic elevation panel, cleaning the filter is easy, even with high ceilings.

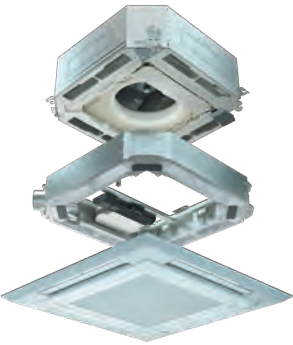


Connectable to

Plasma Quad Connect*

The optional Plasma Quad Connect PAC-SK51FT-E can be installed on the indoor units.

* Plasma Quad Connect (PAC-SK51FT-E) cannot be used with Auto elevation panel (PLP-6EAJ), Multi functional casement (PAC-SJ41TM-E), and High-efficiency filter element (PAC-SH59KF-E).



Optional Parts

Description	Model	Applicable capacity
Air outlet shutter plate	PAC-SJ37SP-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Multi-function casement	PAC-SJ41TM-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
High efficiency filter element	PAC-SH59KF-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
3D i-see Sensor corner panel	PAC-SE1ME-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Auto elevation and signal receiver panel	PLP-6EAJ	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Wireless signal receiver	PAR-SE9FA-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Space panel	PAC-SJ65AS-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Duct flange for fresh air intake	PAC-SH65OF-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Plasma quad connect	PAC-SK51FT-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50
Anti-allergy enzyme filter	PAC-SK44KF-E	P32, P40, P50, P63, P80, P100, P125, P140 / EP32, EP50

Specifications

Model	PLFY-P32VEM-PA	PLFY-P40VEM-PA	PLFY-P50VEM-PA	PLFY-P63VEM-PA
Power source	1-phase 220-240V 50Hz/1-phase 220-230V 60Hz			
Cooling capacity	*1 kW	3.6	4.5	5.6
	*1 BTU/h	12,300	15,400	19,100
	Power input kW	0.03	0.03	0.03
Heating capacity	Current input A	0.32	0.32	0.36
	*2 kW	4.0	5.0	6.3
	*2 BTU/h	13,600	17,100	21,500
External finish (Munsell No.)	Unit	Galvanized steel sheet	Galvanized steel sheet	Galvanized steel sheet
	Panel	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)
	External dimension H x W x D	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840
Net weight	Unit	19	21	21
	Panel	5	5	5
Heat exchanger	Type x Quantity	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)
	Fan	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	Airflow rate (Low-Mid2-Mid1-High)	m³/min 13-14-16-17	m³/min 13-14-16-18	m³/min 13-14-16-19
Motor	L/s	217-233-267-283	217-233-267-300	217-233-267-317
	cfm	459-494-565-600	459-494-565-636	459-494-565-671
	External static pressure Pa	0	0	0
Air filter	Type	DC motor	DC motor	DC motor
	Output	0.050	0.050	0.050
	Sound pressure level (Low-Mid2-Mid1-High)	26-27-29-31	26-27-29-31	26-27-29-31
Refrigerant control device	LEV	LEV	LEV	LEV
	Diameter of refrigerant pipe	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare
	Field drain pipe size	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare

Model	PLFY-P80VEM-PA	PLFY-P100VEM-PA	PLFY-P125VEM-PA	PLFY-P140VEM-PA	PLFY-EP32VEM-E	PLFY-EP50VEM-E
Power source	1-phase 220-240V 50Hz/1-phase 220-230V 60Hz					
Cooling capacity	*1 kW	9.0	11.2	14.0	16.0	18.0
	*1 BTU/h	30,700	38,200	47,800	54,600	61,400
	Power input kW	0.05	0.07	0.11	0.11	0.11
Heating capacity	Current input A	0.50	0.67	1.06	1.06	1.06
	*2 kW	10.0	12.5	16.0	18.0	21.5
	*2 BTU/h	34,100	42,700	54,600	61,400	72,900
External finish (Munsell No.)	Unit	Galvanized steel sheet	Galvanized steel sheet	Galvanized steel sheet	Galvanized steel sheet	Galvanized steel sheet
	Panel	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)	MUNSELL (1.0Y 9.2/0.2)
	External dimension H x W x D	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840
Net weight	Unit	21	24	26	27	27
	Panel	5	5	5	5	5
Heat exchanger	Type x Quantity	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)	Micro slit fin (Aluminum fin and copper tube)
	Fan	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	Airflow rate (Low-Mid2-Mid1-High)	m³/min 15-18-20-23	m³/min 20-23-26-29	m³/min 24-26-30-35	m³/min 22-27-31-35	m³/min 22-26-30-34
Motor	L/s	250-300-333-383	333-383-433-483	400-433-500-583	367-450-517-583	367-433-500-567
	cfm	530-636-706-812	706-812-918-1024	847-918-1060-1236	777-953-1095-1235	777-918-1059-1201
	External static pressure Pa	0	0	0	0	0
Air filter	Type	DC motor	DC motor	DC motor	DC motor	DC motor
	Output	0.050	0.050	0.120	0.120	0.120
	Sound pressure level (Low-Mid2-Mid1-High)	28-31-34-37	34-37-39-41	35-39-42-45	36-39-42-45	34-38-42-45
Refrigerant control device	LEV	LEV	LEV	LEV	LEV	LEV
	Diameter of refrigerant pipe	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare
	Field drain pipe size	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare

Notes:

*1. Nominal cooling conditions
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*2. Nominal heating conditions
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

* PLFY-EP-VEM-E cannot be connected to PUMY.

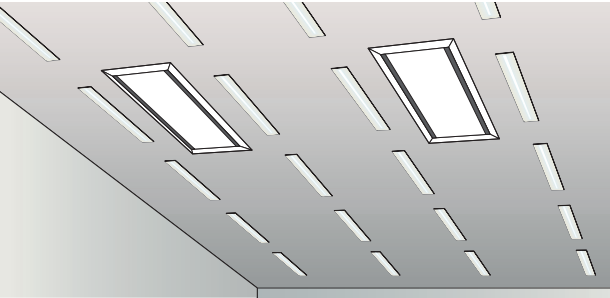
2-way airflow type

PLFY-P VLMD-E



Simple panel design

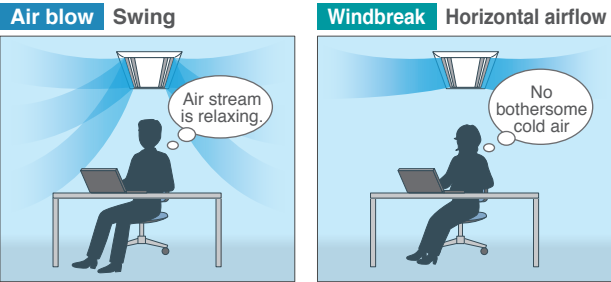
In-take port is not a grille but made in stylish design. It can be installed visually beautifully in harmony with ceiling and illuminations.



Vane Control

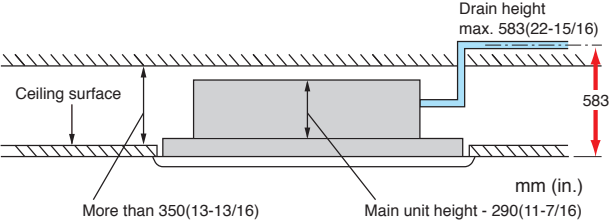
Vane angle can be selected from 7 types including "Horizontal fix" and "Swing" to set a airblow type according to your taste.

*Airflow direction cannot be changed individually.



Drain pump is equipped as standard feature

The drain can be positioned anywhere up to 583 mm (22-15/16 in.) from the ceiling's surface, providing greater freedom with long cross-piping and allowing more versatility with piping layouts.



Optional Parts

Description	Model	Applicable capacity
Decoration panel	CMP-40VLW-C	P20, P25, P32, P40
	CMP-63VLW-C	P50, P63
	CMP-100VLW-C	P80, P100
	CMP-125VLW-C	P125
OA duct flange	PAC-KH11OF	P20, P25, P32, P40, P50, P63, P80, P100

Specifications

Model			PLFY-P20VLMD-E	PLFY-P25VLMD-E	PLFY-P32VLMD-E	PLFY-P40VLMD-E
Power source			1-phase 220-240V 50Hz/1-phase 220-230V 60Hz			
Cooling capacity	*1	kW	2.2	2.8	3.6	4.5
	*1	BTU/h	7,500	9,600	12,300	15,400
Heating capacity	*1	kW	2.5	3.2	4.0	5.0
	*1	BTU/h	8,500	10,900	13,600	17,100
Power consumption	Cooling	kW	0.072/0.075	0.072/0.075	0.072/0.075	0.081/0.085
	Heating	kW	0.065/0.069	0.065/0.069	0.065/0.069	0.074/0.079
Current	Cooling	A	0.36/0.37	0.36/0.37	0.36/0.37	0.40/0.42
	Heating	A	0.30/0.32	0.30/0.32	0.30/0.32	0.34/0.37
External finish (Munsell No.)	Unit		Galvanized steel plate			
	Panel		Pure white (6.4Y 8.9/0.4)			
Dimension H x W x D	Unit	mm (in.)	290 x 776 x 634 (11-7/16 x 30-9/16 x 25)			
	Panel	mm (in.)	20 x 1080 x 710 (13/16 x 42-9/16 x 28)			
Net weight	Unit	kg (lbs.)	23 (51)		24 (53)	
	Panel	kg (lbs.)	6.5 (15)			
Heat exchanger			Cross fin			
Fan	Type x Quantity		Turbo fan x 1			
	Airflow rate (Lo-Mid-Hi)	*2 m³/min	6.5-8.0-9.5			7.0-8.5-10.5
		L/s	108-133-158			117-142-175
		cfm	230-283-335			247-300-371
External static pressure		Pa	0			
Motor	Type		1-phase induction motor			
	Output		0.015 (at 240V)			
Air filter			PP honeycomb fabric (long life type)			
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)			
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)			
Field drain pipe diameter		mm (in.)	O.D.32 (1-1/4)			
Sound pressure level (Lo-Mid-Hi)	220V, 240V	dB (A)	27-30-33			29-33-36
	*2 *3 230V	dB (A)	28-31-34			30-34-37

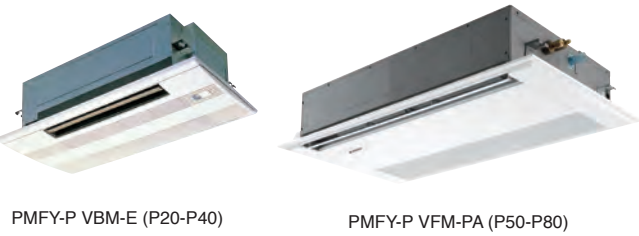
Model			PLFY-P50VLMD-E	PLFY-P63VLMD-E	PLFY-P80VLMD-E	PLFY-P100VLMD-E	PLFY-P125VLMD-E	
Power source			1-phase 220-240V 50Hz/1-phase 220-230V 60Hz					
Cooling capacity	*1	kW	5.6	7.1	9.0	11.2	14.0	
	*1	BTU/h	19,100	24,200	30,700	38,200	47,800	
Heating capacity	*1	kW	6.3	8.0	10.0	12.5	16.0	
	*1	BTU/h	21,500	27,300	34,100	42,700	54,600	
Power consumption	Cooling	kW	0.082/0.086	0.101/0.105	0.147/0.156	0.157/0.186	0.28/0.28	
	Heating	kW	0.075/0.080	0.094/0.099	0.140/0.150	0.150/0.180	0.27/0.27	
Current	Cooling	A	0.41/0.43	0.49/0.51	0.72/0.74	0.75/0.88	1.35/1.35	
	Heating	A	0.35/0.38	0.43/0.46	0.66/0.69	0.69/0.83	1.33/1.33	
External finish (Munsell No.)	Unit		Galvanized steel plate					
	Panel		Pure white (6.4Y 8.9/0.4)					
Dimension H x W x D	Unit	mm (in.)	290 x 946 x 634 (11-7/16 x 37-1/4 x 25)		290 x 1446 x 634 (11-7/16 x 56-15/16 x 25)		290 x 1708 x 606 (11-7/16 x 67-1/4 x 23-7/8)	
	Panel	mm (in.)	20 x 1250 x 710 (13/16 x 49-1/4 x 28)		20 x 1750 x 710 (13/16 x 68-15/16 x 28)		20 x 2010 x 710 (13/16 x 79-3/8 x 28)	
Net weight	Unit	kg (lbs.)	27 (60)		44 (98)		56 (124)	
	Panel	kg (lbs.)	7.5 (17)		12.5 (28)		13.0 (29)	
Heat exchanger			Cross fin					
Fan	Type x Quantity		Turbo fan x 1		Turbo fan x 2		Sirocco fan x 4	
	Airflow rate (P50~P100:Lo-Mid-Hi) (P125:Lo-Mid2-Mid1-Hi)	*2 m ³ /min	9.0-11.0-12.5		15.5-18.5-22.0		24.0-27.0-30.0-33.0	
		L/s	150-183-208		258-308-367		400-450-500-550	
		cfm	318-388-441		547-653-777		848-953-1,059-1,165	
External static pressure		Pa		0				
Motor	Type		1-phase induction motor					
	Output	kW	0.020 (at 240V)		0.020 (at 240V)	0.030 (at 240V)	0.078 x 2 (at 240V)	
Air filter			PP honeycomb fabric (long life type)					Synthetic fiber unwoven cloth filter (long life)
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)		ø15.88 (ø5/8)			
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)		ø9.52 (ø3/8)			
Field drain pipe diameter		mm (in.)	O.D.32 (1-1/4)					
Sound pressure level (Lo-Mid-Hi)	220V, 240V	dB (A)	31-34-37		33-36-39		36-39-42	
	*2 *3 230V	dB (A)	32-35-38		33-38-40		34-37-43	
								40-42-44-46 (Lo-Mid2-Mid1-Hi)

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°C(81°F)DB/19°C(66°F)WB, Outdoor 35°C(95°F)DB
Heating : Indoor 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB
*2 Airflow rate/Sound pressure level are in (low-middle-high) or (low-middle2-middle1-high).
*3 It is measured in anechoic room.

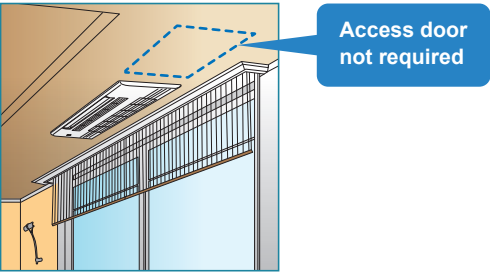
1-way airflow type

PMFY-P VBM-E
PMFY-P VFM-PA NEW



Ceiling Mounted

Installing a the 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.



Expanded line-up

Newly introducing bigger capacity P50-P80 models to suit larger room sizes.

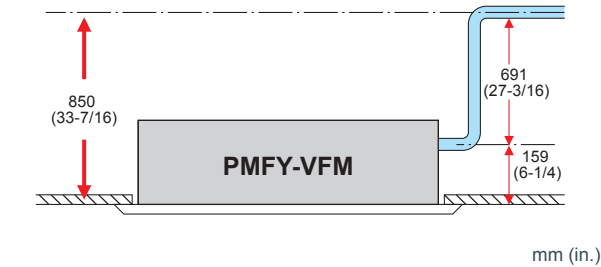
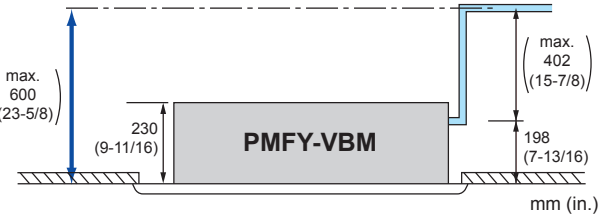
Capacity	P20	P25	P32	P40	P50	P63	P71	P80 NEW
Model	PMFY-P VBM				PMFY-P VFM			

Compact size for smooth installation and maintenance(PMFY-P VBM-E)

Unit body size has been standardized for all models at 812 mm for easier installation. Body weight is only 14 kg for the main unit and 3 kg for the panel, making this unit one of the lightest in the industry.

Drain pump is equipped as standadard feature

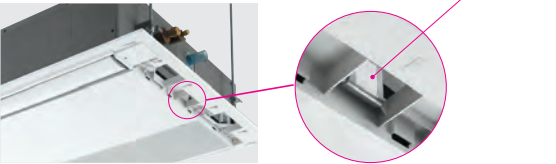
The drain can be positioned anywhere up to 600 mm (23-5/8 in.) for P20-40VBM models and 850 mm (33-7/16 in.) for P50-80VFM models from the ceiling's surface.



Easy installation (PMFY-P VFM-PA)

Temporary hanging hook

The panel is equipped with a temporary hanging hook. This structure makes work efficiency easier during panel installation.



Easy access to suspension bolt

The structure of the panel makes access to suspension bolt easier for height adjustment during installation and maintenance.



Specifications

Model			PMFY-P20VBM-E	PMFY-P25VBM-E	PMFY-P32VBM-E	PMFY-P40VBM-E
Power source			1-phase 220-240V 50Hz/1-phase 220V 60Hz			
Cooling capacity	*1	kW	2.2	2.8	3.6	4.5
	*1	BTU/h	7,500	9,600	12,300	15,400
Heating capacity	*1	kW	2.5	3.2	4.0	5.0
	*1	BTU/h	8,500	10,900	13,600	17,100
Power consumption	Cooling	kW	0.042	0.044		0.054
	Heating	kW	0.042	0.044		0.054
Current	Cooling	A	0.20	0.21		0.26
	Heating	A	0.20	0.21		0.26
External finish (Munsell No.)			White (6.4Y 8.9/0.4)			
Dimension	Unit	mm (in.)	230 x 812 x 395 (9-1/16 x 32 x 15-9/16)			
H x W x D	Panel	mm (in.)	30 x 1000 x 470 (1-3/16 x 39-3/8 x 18-9/16)			
Net weight	Unit	kg (lbs.)	14 (31)			
	Panel	kg (lbs.)	3 (7)			
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type x Quantity		Line flow fan x 1			
	Airflow rate (Lo-Mid2-Mid1-Hi)	*2 m³/min	6.5-7.2-8.0-8.7	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		128-145-162-178
	External static pressure	cfm	230-254-283-307	258-283-304-328		272-307-343-378
Pa		0				
Motor	Type	1-phase induction motor				
	Output	kW	0.028			
Air filter			PP Honeycomb fabric			
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)			
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)			
Field drain pipe diameter		mm (in.)	O.D. 26 (1)			
Sound pressure level (Lo-Mid2-Mid1-Hi)		*2 *3 dB (A)	27-30-33-35	32-34-36-37		33-35-37-39

Model			PMFY-P50VFM-PA	PMFY-P63VFM-PA	PMFY-P71VFM-PA	PMFY-P80VFM-PA
Power source			1-phase 220-240V 50Hz/1-phase 220-230V 60Hz			
Cooling capacity	*1	kW	5.6	7.1	8.0	9.0
	*1	BTU/h	19,100	24,200	27,300	30,700
Heating capacity	*1	kW	6.3	8.0	9.0	10.0
	*1	BTU/h	21,500	27,300	30,700	34,100
Power consumption	Cooling	kW	0.060	0.075	0.090	0.13
	Heating	kW	0.045	0.060	0.075	0.12
Current	Cooling	A	0.47	0.63	0.74	1.01
	Heating	A	0.42	0.55	0.62	0.96
External finish (Munsell No.)			White (6.4Y 8.9/0.4)			
Dimension	Unit	mm (in.)	225 x 1112 x 724 (8-7/8 x 43-3/4 x 24-1/2)			
	Panel	mm (in.)	20 x 1340 x 800 (13/16 x 52-3/4 x 31-1/2)			
Net weight	Unit	kg (lbs.)	26 (57)	28 (62)	29 (64)	
	Panel	kg (lbs.)	6.5 (14)			
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type x Quantity		Sirocco fan x 2	Sirocco fan x 3		
	Airflow rate (Lo-Mid2-Mid1-Hi)	*2 m³/min	11-12-14-16	14-16-17-19	14-16-18-20	12-16-20-24
		L/s	183-200-233-267	233-267-283-317	233-267-300-333	200-270-330-400
	External static pressure	cfm	388-424-494-565	494-565-600-671	494-565-636-706	420-570-710-850
		0				
Motor	Type	DC motor				
	Output	kW	0.09	0.095		
Air filter			PP honeycomb fabric			
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)	ø15.88 (ø5/8)		
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)	ø9.52 (ø3/8)		
Field drain pipe diameter		mm (in.)	O.D.32 (1-1/4)			
Sound pressure level (Lo-Mid2-Mid1-Hi)		*2 *3 dB (A)	29-32-35-38	32-35-37-39	32-35-38-41	36-41-46-50

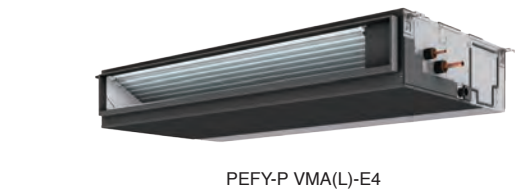
Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°C(81°F)DB/19°C(66°F)WB, Outdoor 35°C(95°F)DB
Heating : Indoor 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB
*2 Airflow rate/Sound pressure level are in (low-middle2-middle1-high).
*3 It is measured in anechoic room.

Optional Parts

Description	Model	Applicable capacity
Decoration panel	PMP-40BMW	P20, P25, P32, P40
	PMP-63FMW	P50, P63, P71, P80
Anti-allergy enzyme filter	PAC-SK47KF-E	P50, P63, P71, P80
Left/right airflow direction louver	PAC-SJ15LR-E	P50, P63, P71, P80
External LEV box	PAC-SG95LE-E	P50, P63

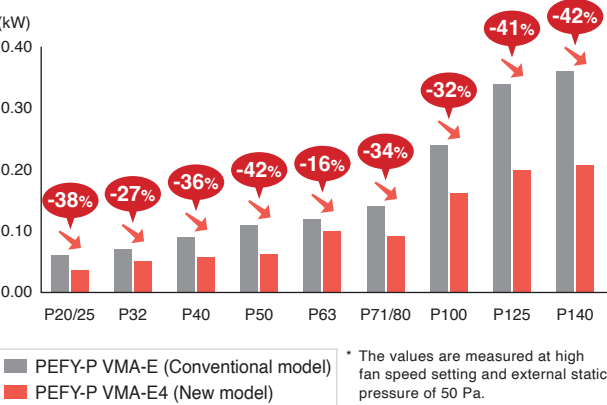
PEFY-P VMA(L)-E4



Less power consumption

The shape of fan wing and casing is improved to provide more smooth airflow. Besides, the drain pump motor is changed from AC motor to high-efficient DC motor. Operation efficiency is increased by the air flow and motor, which realizes up to 42% reduction in energy consumption (P50/140).

Comparison of energy consumption in cooling operation



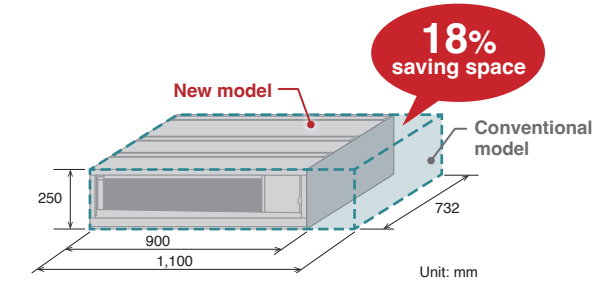
External static pressure is settable up to 150 Pa (VMA(L)-E4)

Five-stage external static pressure settings provide flexibility for duct extension, branching, and air outlet configuration and are adjustable to meet different application conditions. Setting ranges to maximum of 150 Pa.

External static pressure settings												
Series	20	25	32	40	50	63	71	80	100	125	140	
PEFY-P VMA(L)-E4	35/50/70/100/150 Pa						40/50/70/100/150 Pa					

Compact unit requires less installation space (applicable to the PEFY-P63VMA-E4 model only)

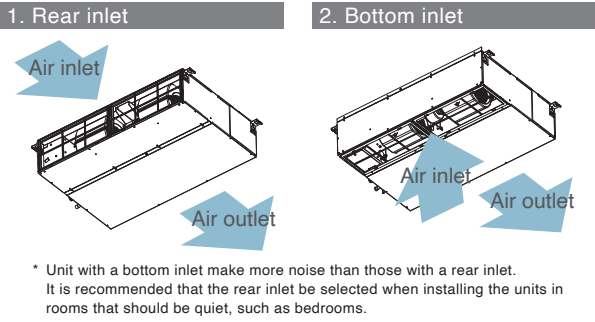
The use of new fan with improved air pathway helps to reduce the size of the P63 model unit. The P63 model unit is 200 mm less in width and fits into tighter ceiling space.



Air inlet direction can be easily changed

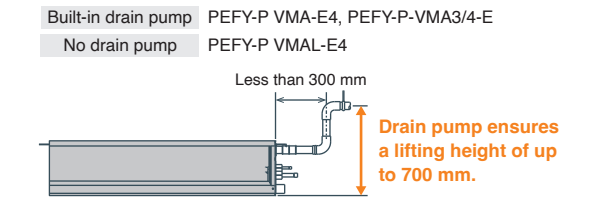
By simply switching the closing board and air filter, the inlet layout can be changed from the rear inlet to the bottom inlet. (At factory shipment: Rear inlet)

Two air inlet options can be chosen, rear or bottom:



Drain pump is optionally selectable

The lineup consists of two types: models with or without a built-in drain pump, thus allowing more freedom in piping layout design.



Specifications

* [] is in case of PEFY-P VMAL-E4.

Model		PEFY-P32VMA(L)-E4	PEFY-P40VMA(L)-E4	PEFY-P50VMA(L)-E4	PEFY-P63VMA(L)-E4
Power source		1-phase 220-230-240 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	3.6	4.5	5.6	7.1
	*1 BTU/h	12,300	15,400	19,100	24,200
	Power input *2 kW	0.044 [0.042]	0.047 [0.045]	0.066 [0.064]	0.087 [0.085]
Heating capacity (Nominal)	*2 kW	0.36 - 0.34 - 0.33	0.39 - 0.37 - 0.36	0.53 - 0.51 - 0.49	0.69 - 0.66 - 0.63
	*3 kW	4.0	5.0	6.3	8.0
	*3 BTU/h	13,600	17,100	21,500	27,300
External finish	*2 kW	0.042	0.045	0.064	0.085
	*2 (220-230-240 V)	0.36 - 0.34 - 0.33	0.39 - 0.37 - 0.36	0.53 - 0.51 - 0.49	0.69 - 0.66 - 0.63
	A				
External dimension		Galvanized steel plate			
H x W x D	mm	250 x 700 x 732	250 x 900 x 732	250 x 900 x 732	250 x 900 x 732
	in.	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 35-7/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8
Net weight		21.5 (49) [21 (47)]	26 (58) [25.5 (58)]	26 (58) [25.5 (58)]	27 (60) [26.5 (60)]
Heat exchanger		Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
	External static press. *4 Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>
	Motor Type	DC motor			
	Motor output kW	0.085	0.121	0.121	0.121
	Air flow rate (Lo-Mid-Hi) m³/min	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	13.5 - 16.0 - 19.0
Sound pressure level (measured in anechoic room) (Lo-Mid-Hi) *2 *5	L/s	125 - 150 - 175	167 - 200 - 233	200 - 242 - 283	225 - 267 - 317
	cfm	265 - 318 - 371	353 - 424 - 494	424 - 512 - 600	477 - 565 - 671
	dB <A>	24.0 - 28.0 - 31.0	24.0 - 29.0 - 32.0	25.0 - 32.0 - 35.0	28.0 - 32.0 - 36.0
Air filter		PP honeycomb fabric.			
Refrigerant piping diameter	Liquid (R410A) mm (in.)	6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze	9.52 (3/8) Braze
	Gas (R410A) mm (in.)	12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	15.88 (5/8) Braze
Field drain pipe size		mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)

Model		PEFY-P71VMA(L)-E4	PEFY-P80VMA(L)-E4	PEFY-P100VMA(L)-E4	PEFY-P125VMA(L)-E4	PEFY-P140VMA(L)-E4
Power source		1-phase 220-230-240 V 50/60 Hz				
Cooling capacity (Nominal)	*1 kW	8.0	9.0	11.2	14.0	16.0
	*1 BTU/h	27,300	30,700	38,200	47,800	54,600
	Power input *2 kW	0.080 [0.078]	0.080 [0.078]	0.142 [0.140]	0.199 [0.197]	0.208 [0.206]
Heating capacity (Nominal)	*2 kW	0.60 - 0.57 - 0.55	0.60 - 0.57 - 0.55	1.01 - 0.97 - 0.93	1.29 - 1.23 - 1.18	1.40 - 1.34 - 1.28
	*3 kW	9.0	10.0	12.5	16.0	18.0
	*3 BTU/h	30,700	34,100	42,700	54,600	61,400
External finish	*2 kW	0.078	0.078	0.140	0.197	0.206
	*2 (220-230-240 V)	0.60 - 0.57 - 0.55	0.60 - 0.57 - 0.55	1.01 - 0.97 - 0.93	1.29 - 1.23 - 1.18	1.40 - 1.34 - 1.28
	A					
External dimension		Galvanized steel plate				
H x W x D	mm	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732
	in.	9-7/8 x 43-5/16 x 28-7/8	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 63 x 28-7/8
Net weight		30 (67) [29.5 (67)]	30 (67) [29.5 (67)]	37.5 (84) [37 (82)]	38.5 (86) [38 (84)]	41.5 (93) [41 (91)]
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3
	External static press. *4 Pa	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>
	Motor Type	DC motor				
	Motor output kW	0.121	0.121	0.300	0.300	0.300
	Air flow rate (Lo-Mid-Hi) m³/min	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0
Sound pressure level (measured in anechoic room) (Lo-Mid-Hi) *2 *5	L/s	242 - 300 - 350	242 - 300 - 350	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667
	cfm	512 - 636 - 742	512 - 636 - 742	812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412
	dB <A>	26.0 - 32.0 - 35.0	26.0 - 32.0 - 35.0	31.0 - 36.0 - 39.0	35.0 - 39.0 - 41.0	34.0 - 38.0 - 41.0
Air filter		PP honeycomb fabric.				
Refrigerant piping diameter	Liquid (R410A) mm (in.)	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze
	Gas (R410A) mm (in.)	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze
Field drain pipe size		mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)	mm (in.) O.D.32 (1-1/4)

Notes:

- *1 Nominal cooling conditions
Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *2 The values are measured at the factory setting of external static pressure.
- *3 Nominal heating conditions
Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *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 Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.

High static pressure type

PEFY-P VMH(S)-E

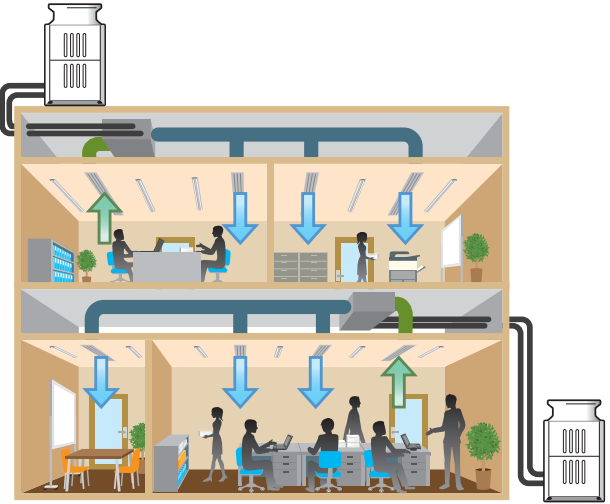


Sufficient external static pressure ensuring flexible duct design

Sufficient external static pressure enables designs with long ducts and greatly expands design possibilities. Ducted air-conditioning that matches an interior design can be realized.

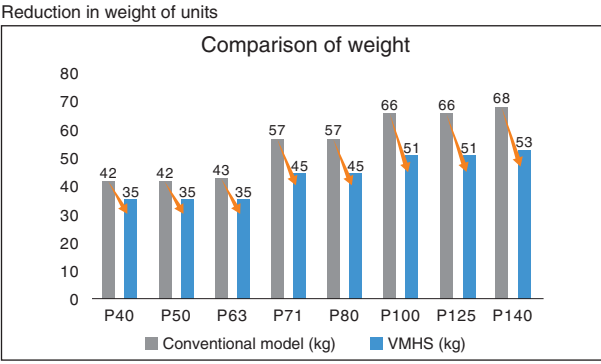
PEFY-P VMHS	P40	P50	P63	P71	P80	P100	P125	P140
External static pressure (Pa)	50 – <100> – <150> – <200>							
PEFY-P VMHS-E	P200				P250			
External static pressure (Pa)	<50> – <100> – 150 – <200> – <250>*							

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



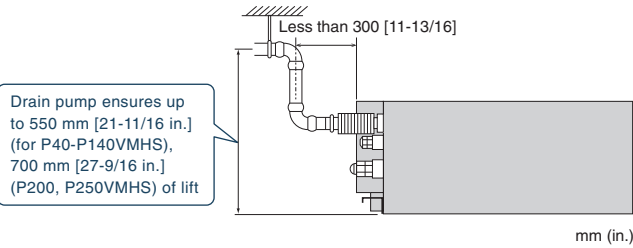
Low Power Consumption and Weight by DC motor (VMHS)

P40 to P140VMHS Models use DC motors. This reduces the power consumption and weight of the units.



Drain pump (option) ensures up to 550 mm [21-11/16 in.] for P40-P140VMHS, P200/P250VMH model / 700 mm [27-9/16 in.] for P200/P250VMHS models

The introduction of an upper drain pump allows the drain connection to be raised as high as 550 mm [21-11/16 in.] for P40-P140VMHS, P200/P250VMH models/700 mm [27-9/16 in.] for P200, 500VMHS models, allowing more freedom in piping layout design and reducing horizontal piping requirements.



Optional Parts

Description	Model	Applicable capacity		Remarks
		VMH-E	VMHS-E	
Drain pump	PAC-KE04DM-F	P200, P250	-	
	PAC-KE05DM-F	-	P200, P250	
	PAC-DRP10DP-E2	-	P40-P140	
	PAC-KE86LAF	-	P40, P50, P63	
Long life filter	PAC-KE88LAF	-	P71, P80	
	PAC-KE89LAF	-	P100, P125, P140	
	PAC-KE85LAF	P200, P250	P200, P250	
	PAC-KE63TB-F	-	P40, P50, P63	
Filter box	PAC-KE99TB-F	-	P71, P80	Required when long life filter is used
	PAC-KE140TB-F	-	P100, P125, P140	
	PAC-KE250TB-F	P200, P250	P200, P250	

Specifications

Model			PEFY-P40VMHS-E	PEFY-P50VMHS-E	PEFY-P63VMHS-E	PEFY-P71VMHS-E	PEFY-P80VMHS-E	PEFY-P100VMHS-E	PEFY-P125VMHS-E	PEFY-P140VMHS-E
Power source			1-phase 220-230-240 V 50/60 Hz							
Cooling capacity	*1	kW	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0
	*1	BTU/h	15,400	19,100	24,200	27,300	30,700	38,200	47,800	54,600
Heating capacity	*2	Power input	0.055		0.090	0.075	0.090	0.160		0.190
	*2	Current input (220-230-240 V)	A		0.41-0.39-0.38	0.64-0.62-0.59	0.54-0.52-0.50	0.63-0.61-0.58	1.05-1.01-0.96	1.24-1.19-1.14
	*3	kW	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0
External finish	*3	BTU/h	17,100	21,500	27,300	30,700	34,100	42,700	54,600	61,400
	*2	Power input	0.055		0.090	0.075	0.090	0.160		0.190
	*2	Current input (220-230-240 V)	A		0.41-0.39-0.38	0.64-0.62-0.59	0.54-0.52-0.50	0.63-0.61-0.58	1.05-1.01-0.96	1.24-1.19-1.14
External dimension H x W x D			Galvanized steel plate							
Net weight			380 x 745 x 900			380 x 1,030 x 900		380 x 1,195 x 900		
			15 x 29-3/8 x 35-7/16			15 x 40-9/16 x 35-7/16		15 x 47-1/16 x 35-7/16		
Heat exchanger		kg (lbs.)	35 (78)				45 (100)		51 (113)	
Fan			Sirocco fan x 1				Sirocco fan x 2			
Air filter	Type x Quantity		Sirocco fan x 1				Sirocco fan x 2			
	External static press.	Pa	50-<100>-<150>-<200>				5.1-<10.2>-<15.3>-<20.4>			
		mmH ₂ O	5.1-<10.2>-<15.3>-<20.4>				5.1-<10.2>-<15.3>-<20.4>			
	Motor Type		DC motor				DC motor			
	Motor output	kW	0.121				0.244		0.375	
	Air flow rate		(Low-Mid-High)							
Sound pressure level (measured in anechoic room)	*2	dB <A>	20-23-27		24-27-32	24-26-30	25-27-30	27-31-34		27-32-36
		(Low-Mid-High)								
		(Low-Mid-High)								
Air filter			Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.							
Refrigerant piping diameter	Gas (R410A)	mm (in.)	12.7 (1/2) Braze		15.88 (5/8) Braze					
	Liquid (R410A)	mm (in.)	6.35 (1/4) Braze		9.52 (3/8) Braze					
Field drain pipe diameter		mm (in.)	O.D.32 (1-1/4)							

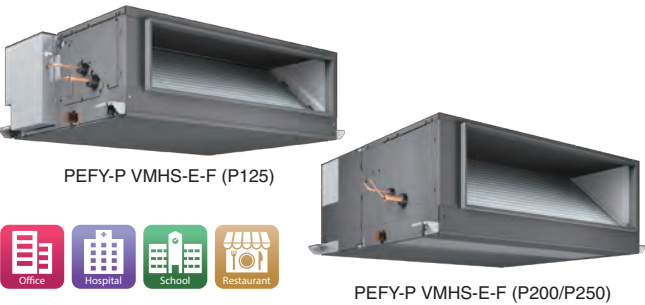
Model			PEFY-P200VMHS-E		PEFY-P250VMHS-E		
Power source			1-phase 220-240V 50Hz/1-phase 220-240V 60Hz				
Cooling capacity		*5	kW	22.4		28.0	
		*5	BTU/h	76,400		95,500	
Heating capacity		*5	kW	25.0		31.5	
		*5	BTU/h	85,300		107,500	
Power consumption		Cooling	kW	0.63 *2		0.82 *2	
		Heating	kW	0.63 *2		0.82 *2	
Current	Cooling	380-415V	A	—		—	
		220-230-240V	A	3.47-3.32-3.18 *2		4.72-4.43-4.14 *2	
	Heating	380-415V	A	—		—	
		220-230-240V	A	3.47-3.32-3.18 *2		4.72-4.43-4.14 *2	
External finish			Galvanized steel plate				
Dimension H x W x D			mm	470 x 1,250 x 1,120			
			in.	18-9/16 x 49-1/4 x 44-1/8			
Net weight			kg (lbs.)	97 (214)		100 (221)	
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)				
Fan	Type x Quantity		Sirocco fan x 2				
	Airflow rate		m³/min	—			
			L/s	—			
			cfm	—			
	Lo-Mid-Hi		m³/min	50.0-61.0-72.0		58.0-71.0-84.0	
			L/s	833-1017-1200		967-1183-1400	
			cfm	1766-2154-2542		2048-2507-2966	
	External static pressure	380V 400, 415V	Pa	—			
			Pa	—			
			Pa	<50>-<100>-150-<200>-<250> *9			
mmH ₂ O			<5.1>-<10.2>-15.3-<20.4>-<25.5> *9				
Motor	Type	DC motor					
	Output		0.87				
Air filter (option)			Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.				
Refrigerant piping diameter		Gas (Braze)	mm (in.)	ø19.05 (ø3/4)		ø22.2 (ø7/8)	
		Liquid (Braze)	mm (in.)	ø9.52 (ø3/8)			
Field drain pipe diameter			mm (in.)	O.D. 32 (1-1/4)			
Sound pressure level	380V	dB (A)	—				
	400, 415V	dB (A)	—				
	Lo-Mid-Hi	dB (A)	36-39-43 *10		39-42-46 *10		

Notes:

- *1 Nominal cooling conditions
Indoor: 27 °C(81 °F)/DB/19 °C(66 °F)WB, Outdoor: 35 °C(95 °F)DB
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *2 The values are measured at the factory setting of external static pressure.
- *3 Nominal heating conditions
Indoor: 20 °C(68 °F)DB, Outdoor: 7 °C(45 °F)DB/6 °C(43 °F)WB
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *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.

- *5 Cooling/heating capacity indicates the maximum value at operation under the following condition.
Cooling Indoor : 27 °C(81 °F)DB/19 °C(66 °F)WB, Outdoor : 35 °C(95 °F)DB
Heating Indoor : 20 °C(68 °F)DB, Outdoor : 7 °C(45 °F)DB/6 °C(43 °F)WB
- *6 The external static pressure is set to 220Pa (at 380V) /260Pa (at 400, 415V) at factory shipment.
- *7 The value are that at 415V.
- *8 It is measured in anechoic room.
- *9 The rated external static pressure is shown without < > .
The factory setting is the rated value.
- *10 It is measured at the rated external static pressure in anechoic room.

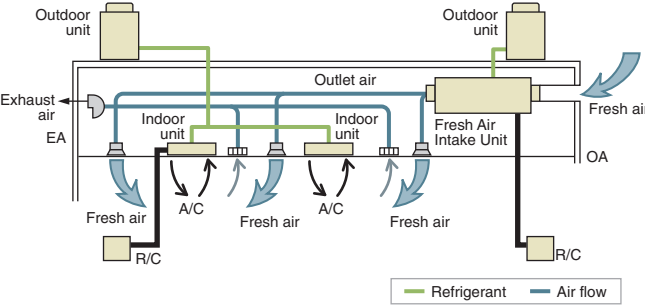
PEFY-P VMHS-E-F



Enables Intake of Outside Air

Fresh air can be taken in with temperature control. Fresh air intake is available for each air-conditioning zone.

* Fresh air intake type indoor unit is designed to supply pretreated outside air into the room. Do not use to handle internal thermal load.



Controllable Outlet Air Temperature

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

* Outlet air temperature may fluctuate, depending on the outside air temperature and the operating status of indoor and outdoor units.

Equipped with DC Fan Motor

Fan motor has been changed to higher efficiency DC motor.
Power source has been changed from three-phase power supply to single-phase power supply, which allows for easier installation.

* Comparison with PEFY-P140, 200, 250VMH-E-F

Flexible Air-Flow Setting

Four levels of external static pressure levels to choose from compared to the three levels on the existing models

Model	P125	P200	P250
External static pressure (Pa)	<100> – <150> – 200 – <250>		

*The factory setting of external static pressure is shown without chevrons "< >".

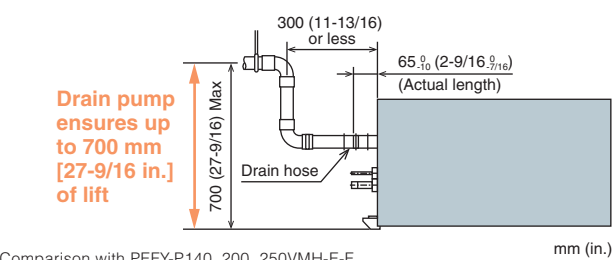
Two types of air-flow modes are available, each of which has three air-flow rates to choose from.

Mode	Normal-airflow rate	High-airflow rate
Air-flow rate	Low-Medium-High	Low-Medium-High

*Air-flow rates are accessible from the remote controller.

Drain Pump (Optional)

Greater design flexibility made possible by the increased head height (Max. 700 mm)*



Comparison with PEFY-P140, 200, 250VMH-E-F

Optional Parts

Description	Model	Applicable capacity
Drain pump kit	PAC-DRP10DP-E2	P125
	PAC-KE06DM-F	P200, 250
Long life filter	PAC-KE89LAF	P125
	PAC-KE85LAF	P200, 250
Filter box	PAC-KE140TB-F	P125
	PAC-KE250TB-F	P200, 250

Specifications

Model			PEFY-P125VMHS-E-F	PEFY-P200VMHS-E-F	PEFY-P250VMHS-E-F *6			
Power source			1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	14.0	22.4	28.0			
		*1 BTU/h	47,800	76,400	95,500			
	*2	Power input kW	0.220	0.260	0.350			
		Current input (220 V) A	1.43	1.66	2.16			
Temp. range of cooling			17°C.D.B./15.5°C.W.B. ~ 43°C.D.B./35°C.W.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 17°C.D.B.	17°C.D.B./15.5°C.W.B. ~ 43°C.D.B./35°C.W.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 17°C.D.B.	17°C.D.B./15.5°C.W.B. ~ 43°C.D.B./35°C.W.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 17°C.D.B.			
Heating capacity (Nominal)	*3	kW	8.9	13.9	17.4			
		*3 BTU/h	30,400	47,400	59,400			
	*2	Power input kW	0.230	0.270	0.360			
		Current input (220 V) A	1.52	1.85	2.38			
Temp. range of heating			-10°C.D.B. ~ 20°C.D.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°C.D.B.	-10°C.D.B. ~ 20°C.D.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°C.D.B.	-10°C.D.B. ~ 20°C.D.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°C.D.B.			
External finish			Galvanized	Galvanized	Galvanized			
External dimension HxWxD	mm		380 x 1,195 x 900	470 x 1,250 x 1,120	470 x 1,250 x 1,120			
	in.		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			
Net weight			kg (lbs.)	49 (109)	78 (172)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2			
	*4, 5	External static press. Pa	<100> - <150> - 200 - <250>	<100> - <150> - 200 - <250>	<100> - <150> - 200 - <250>			
		mmH ₂ O	<10.2> - <15.3> - 20.4 - <25.5>	<10.2> - <15.3> - 20.4 - <25.5>	<10.2> - <15.3> - 20.4 - <25.5>			
		Motor Type	DC motor	DC motor	DC motor			
	Motor output kW	0.244	0.375	0.375				
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor			
	*4, 5	Air flow rate (Low-Mid-High)	Normal-airflow rate mode <High-airflow rate mode>	Normal-airflow rate mode <High-airflow rate mode>	Normal-airflow rate mode <High-airflow rate mode>			
		m ³ /min	14.0 - 15.5 - 18.0	15.5 - 18.0 - 20.0	22.5 - 25.0 - 28.0	25.0 - 28.0 - 32.0	28.0 - 31.0 - 35.0	31.0 - 35.0 - 40.0
		L/s	233 - 258 - 300	258 - 300 - 333	375 - 417 - 467	417 - 467 - 533	467 - 517 - 583	517 - 583 - 667
		cfm	494 - 547 - 636	547 - 636 - 706	794 - 883 - 989	883 - 989 - 1,130	989 - 1,095 - 1,236	1,095 - 1,236 - 1,412
Sound pressure level (measured in anechoic room) (Low-Mid-High) *2			Normal-airflow rate mode <High-airflow rate mode>	Normal-airflow rate mode <High-airflow rate mode>	Normal-airflow rate mode <High-airflow rate mode>			
			34-37-41	36-40-42	35-38-41	36-39-42	38-40-44	38-41-45
Air filter			Option: Synthetic fiber unwoven cloth filter (long life filter).					
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed			
	Gas (R410A)	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	22.22 (7/8) Brazed			
Field drain pipe size			mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)			
Optional parts	Drain pump kit		PAC-DRP10DP-E2	PAC-KE06DM-F	PAC-KE06DM-F			
	Long life filter		PAC-KE89LAF	PAC-KE85LAF	PAC-KE85LAF			
	Filter box		PAC-KE140TB-F	PAC-KE250TB-F	PAC-KE250TB-F			

Notes:

- * Cooling capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 33°CDB/28°CWB, Outdoor 33°CDB. The set temperature of the remote controller is 18°C.
- * The value are measured at the factory setting of airflow mode and external static pressure.
- * Heating capacity indicates the maximum value at operation under the following condition. Heating: Indoor 0°CDB/-2.9°CWB, Outdoor 0°CDB/-2.9°CWB. The set temperature of the remote controller is 25°C.
- * 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.
- * 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.
- * Regarding P250VHMS-E-F, the middle notch air flow rate is different from the spec value when the external static pressure setting is set to 100Pa. See "Fan characteristics curves" in DATA BOOK for the details.
- * 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 series, except for PUMY-SP125/140V(Y)KM2, PUMY-CP125/140VKM2, PUMY-CP125/140/200/225YKM2, PUMY-P200/225YKM3, PUMY-(C)P250/300YBM2. Fresh air intake type indoor unit and PUMY have to be one to one connection. Fresh air intake type unit 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 -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 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 17°CDB in cooling mode or when the temperature exceeds 20°CDB in heating mode.
- * Dry mode is not available.
- * When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.
- * 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.

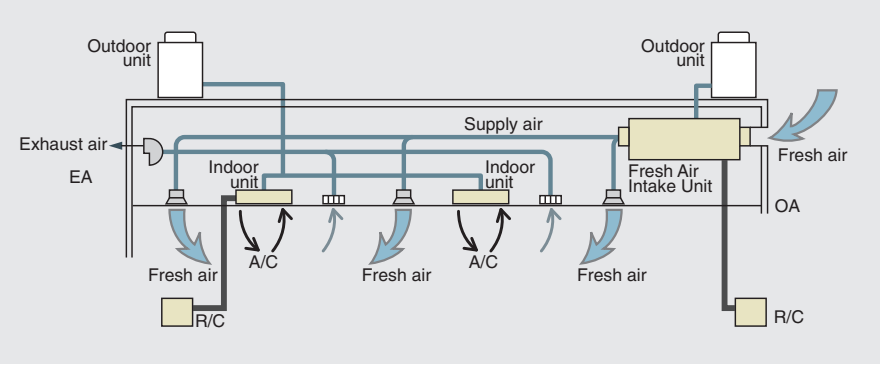
Fresh air intake type

PEFY-P VMH-E-F



Example design for an outside air treatment unit system

The Fresh Air intake indoor unit can take fresh outdoor air into any building.



* Fresh air intake type indoor unit is designed to supply pretreated outside air into the room. Do not use to handle internal thermal load.
* Discharge temperature control is not possible. PEFY-P VMH-E-F models turn the thermo ON or OFF depending on the room temperature. Either a remote controller (sold separately) or a remote sensor (sold separately) must be installed to monitor the room temperature. During thermo-off (FAN-mode), outside air blows directly into the room.

Applications across a wide range of design

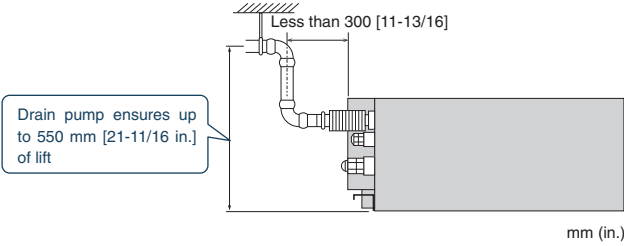
Sufficient external static pressure (up to 240 Pa) enables designs with long ducts and expands design possibilities.

PEFY-P VMH-E-F		P80	P140	P200	P250
External static pressure (Pa)	208 V	<35> – 85 – <170>	<35> – 85 – <170>	<140> – 200	<110> – 190
	220 V	<40> – 115 – <190>	<50> – 115 – <190>	<150> – 210	<120> – 200
	230 V	<50> – 130 – <210>	<60> – 130 – <220>	<160> – 220	<130> – 210
	240 V	<80> – 170 – <220>	<100> – 170 – <240>	–	–

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

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

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



Optional Parts

Description	Model	Applicable capacity
Long life filter	PAC-KE88LAF	P80
	PAC-KE89LAF	P140
	PAC-KE85LAF	P200, P250
Filter box	PAC-KE80TB-F	P80
	PAC-KE140TB-F	P140
	PAC-KE250TB-F	P200/P250
Drain pump	PAC-KE04DM-F	P80, P140, P200, P250

Specifications

Model				PEFY-P80VMH-E-F		PEFY-P140VMH-E-F	
Power source				1-phase 220-240V 50Hz / 1-phase 208-230V 60Hz			
Cooling capacity		*1	kW	9.0		16.0	
		*1	BTU/h	30,700		54,600	
Temp. range of cooling				21°CDB./15.5°CWB.B. ~ 43°CDB./35°CWB.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 21°CDB.			
Heating capacity		*1	kW	8.5		15.1	
		*1	BTU/h	29,000		51,500	
Temp. range of heating				-10°CDB. ~ 20°CDB. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°CDB.			
Power consumption	*2	Cooling	kW	0.16 / 0.21		0.29 / 0.33	
	*2	Heating	kW	0.16 / 0.21		0.29 / 0.33	
Current	*2	Cooling	A	0.67 / 0.91		1.24 / 1.48	
	*2	Heating	A	0.67 / 0.91		1.24 / 1.48	
External finish				Galvanized			
Dimension H x W x D			mm (in.)	380 x 1,000 x 900 (15 x 39-3/8 x 35-7/16)		380 x 1,200 x 900 (15 x 47-1/4 x 35-7/16)	
Net weight			kg (lbs)	50 (111)		67 (148)	
Heat exchanger				Cross fin (Aluminum plate fin and copper tube)			
Fan	Type x Quantity			Sirocco fan x 1		Sirocco fan x 2	
	Airflow rate		m³/min	9.0		18.0	
			L/s	150		300	
			cfm	318		636	
	External static pressure *3	208V	Pa	<35> - 85 - <170>		<35> - 85 - <170>	
		220V	Pa	<40> - 115 - <190>		<50> - 115 - <190>	
		230V	Pa	<50> - 130 - <210>		<60> - 130 - <220>	
		240V	Pa	<80> - 170 - <220>		<100> - 170 - <240>	
		380V	Pa	-		-	
		400V	Pa	-		-	
		415V	Pa	-		-	
Motor	Type			1-phase induction motor			
	Output		kW	0.09 (220V, 115Pa)		0.14 (220V, 115Pa)	
Air filter (option)				Synthetic fiber unwoven cloth filter (long life)			
Refrigerant pipe diameter		Gas	mm (in.)	ø15.88 (ø5/8) Flare			
		Liquid	mm (in.)	ø9.52 (ø3/8) Flare			
Field drain pipe diameter			mm (in.)	O.D.32 (1-1/4)			
Sound pressure level (measured in anechoic room)*2 *4	208, 220V	dB<A>	38		38		
	230, 240V	dB<A>	43		43		
	380V	dB<A>	-		-		
	400V	dB<A>	-		-		
	415V	dB<A>	-		-		

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	33°CDB/28°CWB (91°FDB/82°FWB)	33°CDB (91°FDB)	7.5 m (24-9/16 ft)	0m (0ft.)
Heating	0°CDB/-2.9°CWB (32°FDB/27°FWB)	0°CDB/-2.9°CWB (32°FDB/27°FWB)	7.5 m (24-9/16 ft)	0m (0ft.)

*2 The values are measured at the factory setting of external static pressure.
The figure of Electrical characteristic indicates at 240V 50Hz/230V 60Hz (PEFY-P80, 140VMH-E-F type), at 50Hz/60Hz (PEFY-P200, 250VMH-E-F type).
*3 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.
*4 Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.

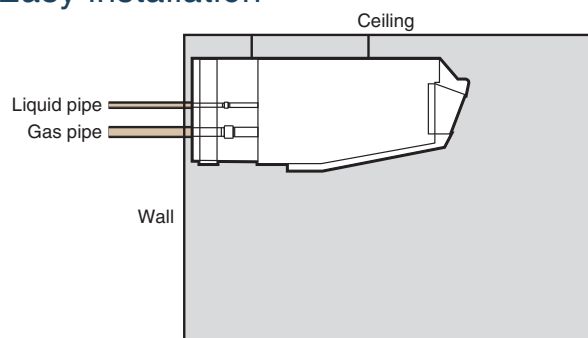
- Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the outlet air temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below -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.
- Either a remote controller (sold separately) or a remote sensor (sold separately) must be installed to monitor the room temperature.
- 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.
- Dry mode is not available.
- In any case, the air flow rate should be kept lower than 110% of the above chart. Please see "Fan characteristics curves" in DATA BOOK for the details.
- When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.
- 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.
- Fresh air intake type indoor units cannot be connected to PUMY series, except for PUMY-SP125/140V(Y)KM2, PUMY-CP125/140VKM2, PUMY-CP125/140/200/225YKM2, PUMY-P200/225YKM3. Fresh air intake type indoor unit and PUMY have to be one to one connection. Fresh air intake type unit cannot be connected to an outdoor unit together with PWFY series.

Ceiling suspended type

PCFY-P VKM-E



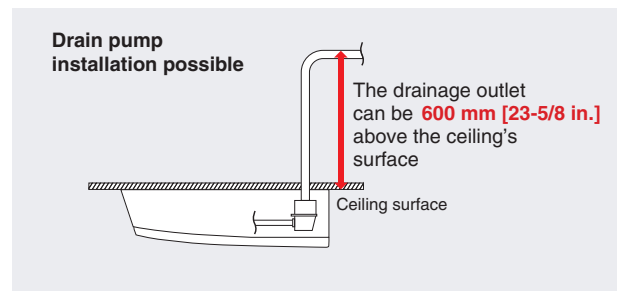
Easy installation



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

Drain pump is available for all models

The optional drain pump allows the drain connection to be raised as high as 600mm [23-5/8 in.], expanding flexibility in choosing the unit's location.

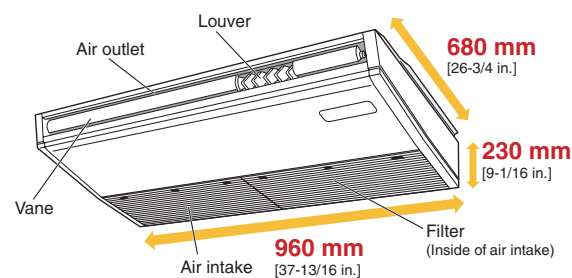


Equipped with automatic air-speed adjustment

In addition to the conventional 4-speed settings, units are now equipped with an automatic air-speed adjustment mode. 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 comfortable heating/cooling operation.



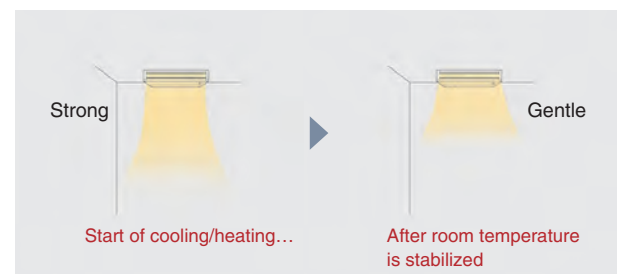
230 mm [9-1/16 in.] high unit is designed in consideration of interior design coordination



Sleek and slim with stylishly curved lines, the PCFY-Series is designed to blend into interior.

Auto Vane Control

Outlet vanes can be moved up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



Optional Parts

Description	Model	Applicable capacity
Drain pump kit	PAC-SH83DM-E	P40
	PAC-SH84DM-E	P63, 100, 125
	PAC-SH88KF-E	P40
High efficiency filter	PAC-SH89KF-E	P63
	PAC-SH90KF-E	P100, 125
	PAR-SL94B-E	P40, 63, 100, 125
Wireless remote controller kit	PAC-SK48KF-E	P40
Anti-allergy enzyme filter	PAC-SK49KF-E	P63
	PAC-SK50KF-E	P100, 125

Specifications

Model			PCFY-P40VKM-E	PCFY-P63VKM-E	PCFY-P100VKM-E	PCFY-P125VKM-E			
Power source			1-phase 220-240V 50Hz/1-phase 220V 60Hz						
Cooling capacity		*1	kW	4.5	7.1	11.2	14.0		
		*1	BTU/h	15,400	24,200	38,200	47,800		
Heating capacity		*1	kW	5.0	8.0	12.5	16.0		
		*1	BTU/h	17,100	27,300	42,700	54,600		
Power consumption	Cooling		kW	0.04	0.05	0.09	0.11		
	Heating		kW	0.04	0.05	0.09	0.11		
Current	Cooling		A	0.28	0.33	0.65	0.76		
	Heating		A	0.28	0.33	0.65	0.76		
External finish (Munsell No.)			6.4Y 8.9/ 0.4						
Dimension H x W x D		mm	230 x 960 x 680		230 x 1,280 x 680		230 x 1,600 x 680		
		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		
Net weight		kg (lbs.)	24 (53)		32 (71)	36 (79)	38 (84)		
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		
	Airflow rate (Lo-Mid2-Mid1-Hi)	*2	m³/min	10-11-12-13		14-15-16-18		21-24-26-28	21-24-27-31
			L/s	167-183-200-217		233-250-267-300		350-400-433-467	350-400-450-517
			cfm	353-388-424-459		494-530-565-636		742-847-918-989	742-847-953-1,095
		External static pressure	Pa		0				
Motor	Type		DC motor						
	Output		kW	0.090	0.095	0.160			
Air filter			PP Honeycomb (long life)						
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)		ø15.88 (ø5/8)				
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)		ø9.52 (ø3/8)				
Field drain pipe diameter		mm (in.)	O.D. 26 (1)						
Sound pressure level (Lo-Mid2-Mid1-Hi)		*2 *3	dB (A)	29-32-34-36	31-33-35-37	36-38-41-43	36-39-42-44		

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

Cooling Indoor : 27°C(80.6°F)DB/19°C(66.2°F)WB, Outdoor 35°C(95°F)DB

Heating Indoor : 20°C(68°F)DB, Outdoor 7°C(44.6°F)DB/6°C(42.8°F)WB

*2 Airflow rate/Sound pressure level are shown in (low-middle 2-middle 1-high).

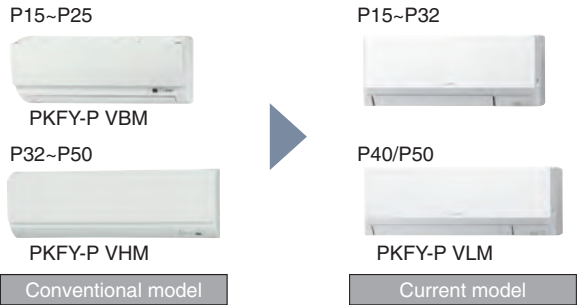
*3 It is measured in anechoic room.

Wall-mounted type

PKFY-P VLM-E
PKFY-P VKM-E



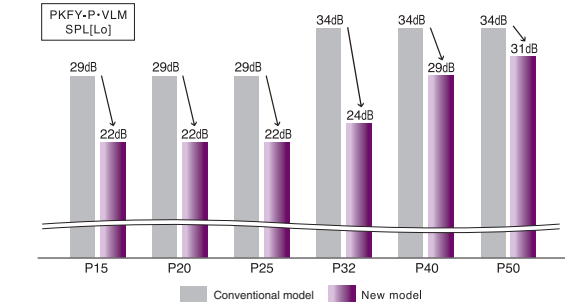
New design that matches the room's interior (VLM model)



A sharp and simple form that combines beauty and function. The simple square design harmonizes beautifully with the straight lines created by the intersection of the walls, floor and ceiling. Also adopted a new white body color. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room.

Low noise

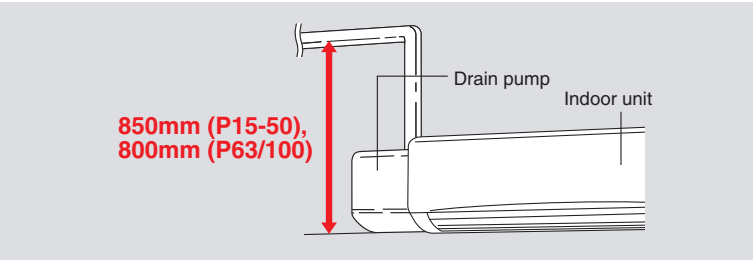
The noise level has been reduced compared to the conventional model (PKFY-P VBM/VHM) by improving the unit structure such as the line flow fan.



* Measurement condition (Fan speed: Low)
* It is measured in anechoic room.

Drain pump option

The optional drain pump allows the drain connection to be raised as high as 850mm (P15-50), 800mm (P63/100), allowing more flexible in piping layout design.



Improved Airflow control

Fan speed and Vane control
The new model (VLM) can set the fan speed to 4 steps and auto mode. Also, the vane angle can be set to 5 steps. This has enabled air conditioning to be tailored to your taste.

		Conventional		Current PKFY-P**VLM-E
		PKFY-P**VBM	PKFY-P**VHM	
Fan Speed	Fan Speed	4 speeds	3 speeds + AUTO	4 speeds + AUTO
	Vane Control			
Vane Control	Vane Angle	4 steps	5 steps	5 steps
	Swing mode	—	✓	✓

Specifications

Model			PKFY-P25VLM-E		PKFY-P32VLM-E		PKFY-P40VLM-E		PKFY-P50VLM-E	
Power source			1-phase 220-240 V 50 Hz, 1-phase 220-230 V 60Hz							
Cooling capacity (Nominal)	*1	kW	2.8		3.6		4.5		5.6	
	*1	BTU/h	9,600		12,300		15,400		19,100	
		Power input	kW		0.03		0.04		0.05	
		Current input	A		0.25		0.35		0.45	
Heating capacity (Nominal)	*2	kW	3.2		4.0		5.0		6.3	
	*2	BTU/h	10,900		13,600		17,100		21,500	
		Power input	kW		0.02		0.03		0.04	
		Current input	A		0.20		0.30		0.40	
External finish (Munsell No.)			Plastic (0.7PB 9.2/0.4)							
External dimension		mm	299 x 773 x 237				299 x 898 x 237			
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			
Net weight		kg (lbs.)	11 (25)				13 (29)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)							
Fan	Type x Quantity		Line flow fan x 1							
	External static press		Pa (mmH ₂ O)		0 (0)					
	Motor type		DC motor							
	Motor output		kW		0.03					
	Driving mechanism		Direct driven							
	Airflow rate (Lo-Mid2-Mid1-Hi)		m ³ /min		4.0-4.6-5.4-6.7		4.3-5.4-6.9-8.4		6.3-7.4-8.6-10.0	
			L/s		67-77-90-112		72-90-115-140		105-123-143-167	
			cfm		141-162-191-237		152-191-244-297		222-261-304-353	
Noise level (measured in anechoic room)		dB (A)		22-27-31-35		24-31-37-41		29-34-37-40		
								31-36-41-46		
Insulation material			Polyethylene sheet							
Air filter			PP honeycomb							
Protection device			Fuse							
Refrigerant control device			LEV							
Refrigerant piping diameter	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)							
	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)							
Field drain pipe diameter		mm (in.)	I.D.16 (5/8)							
Optional parts	DRAIN PUMP KIT		PAC-SK01DM-E							
	EXTERNAL LEV BOX		PAC-SG95LE-E							

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-1) Indoor : 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor 35°C.D.B. (95°F.D.B.) Pipe length : 7.5 m (24-9/16 ft.), Level difference : 0 m (0 ft.)
*2 Nominal heating conditions (subject to JIS B8615-1) Indoor : 20°C.D.B. (68°F.D.B.), Outdoor 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) Pipe length : 7.5 m (24-9/16 ft.), Level difference : 0 m (0 ft.)

Model			PKFY-P63VKM-E		PKFY-P100VKM-E	
Power source			1-phase 220-240V 50Hz, 1-phase 220V 60Hz			
Cooling capacity (Nominal)	*1	kW	7.1		11.2	
		BTU/h	24,200		38,200	
(220V)	Power input	kW	0.05		0.08	
	Current input	A	0.37		0.58	
Heating capacity (Nominal)	*2	kW	8.0		12.5	
		BTU/h	27,300		42,600	
(220V)	Power input	kW	0.04		0.07	
	Current input	A	0.30		0.51	
External finish (Munsell No.)			Plastic, MUNSELL (1.0Y 9.2/0.2)			
External dimension	mm		365x1170x295			
H x W x D	in.		14-3/8 x 46-1/16 x 11-5/8			
Net weight	kg (lbs.)		21(46)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
Fan	Type x Quantity		Line flow fan x 1			
	External static press Pa (mmH ₂ O)		0 (0)			
	Motor type		DC motor			
	Motor output		kW		0.056	
	Driving mechanism		Direct-drive			
	Airflow rate (Low-High)	m ³ /min	16-20		20-26	
		L/s	267-333		333-433	
		cfm	565-706		706-918	
Sound pressure level (measured in anechoic room)		dB (A)		39-45		
Insulation material			Polyethylene sheet			
Air filter			PP honeycomb			
Protection device			Fuse			
Refrigerant control device			LEV			
Refrigerant piping diameter	Liquid (Flare)	mm (in.)	ø9.52 (ø3/8)			
	Gas (Flare)	mm (in.)	ø15.88 (ø5/8)			
Field drain pipe diameter		mm (in.)	I.D.16 (5/8)			
Optional parts	DRAIN PUMP KIT		PAC-SH94DM-E			
	EXTERNAL LEV BOX		PAC-SG95LE-E			
			-			

Notes:

*1 Nominal cooling conditions (subject to JIS B8615-1) Indoor : 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor 35°C.D.B. (95°F.D.B.) Pipe length : 7.5 m (24-9/16 ft.), Level difference : 0 m (0 ft.)
*2 Nominal heating conditions (subject to JIS B8615-1) Indoor : 20°C.D.B. (68°F.D.B.), Outdoor 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) Pipe length : 7.5 m (24-9/16 ft.), Level difference : 0 m (0 ft.)

Optional Parts

Description	Model	Applicable capacity
External LEV Box	PAC-SG95LE-E	P15, 20, 25, 32, 40, 50, 63
Drain pump kit	PAC-SK01DM-E	P15, 20, 25, 32, 40, 50
	PAC-SH94DM-E	P63,100
Plasma quad connect	MAC-100FT-E	P15, 20, 25, 32, 40, 50, 63, 100

Wall-mounted type

Starmex Series



MSXY-FN10/13/18VE
MSXY-FP10/13/18VG

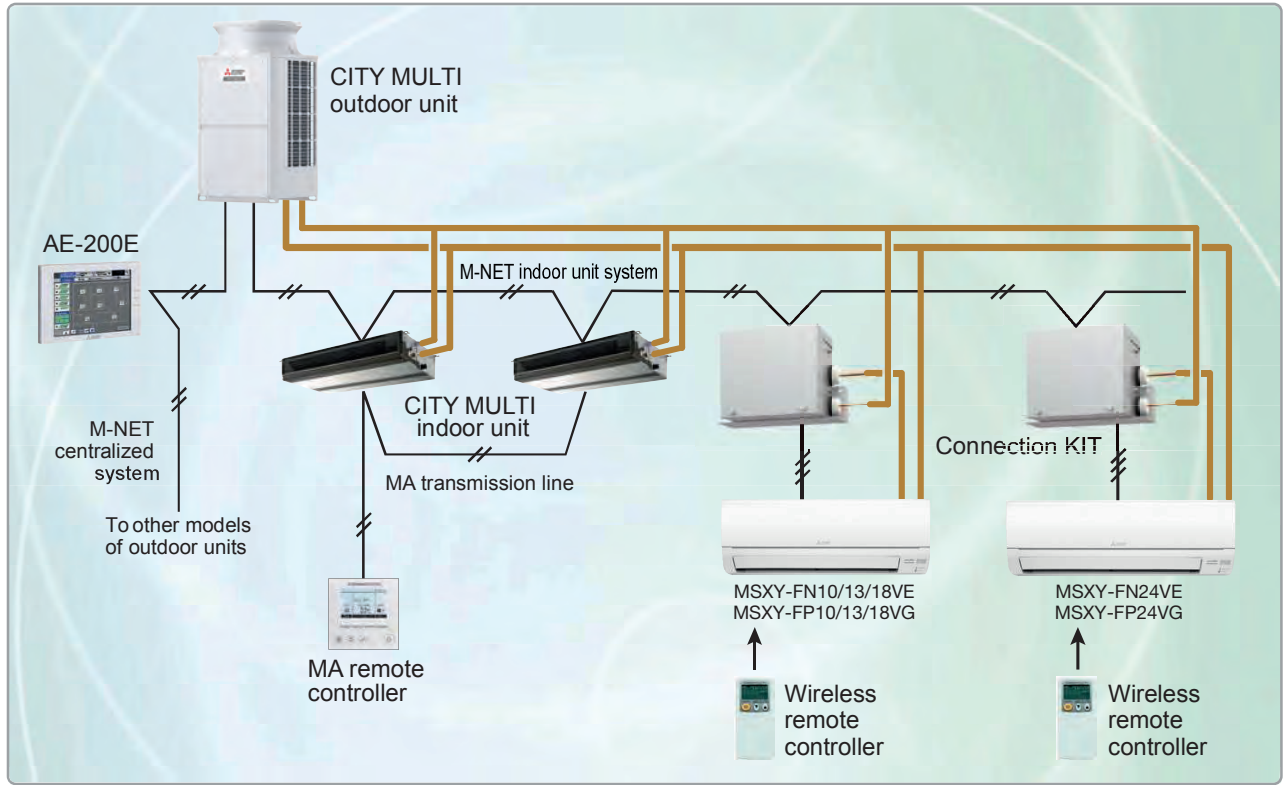


MSXY-FN24VE
MSXY-FP24VG

Starmex Indoor Units with LEV kit /
Branch Box for residential uses.



System Structure



*Refer to the relevant materials for detailed installation and resistance.

Specifications

Model		MSXY-FN10VE	MSXY-FN13VE	MSXY-FN18VE	MSXY-FN24VE
Rated capacity	kW	2.8	3.5	5.0	7.1
Power input	kW	0.028	0.036	0.042	0.059
Running current	A	0.27	0.33	0.38	0.52
Airflow rate	m³/min	4.1-6.3-9.1-12.9	4.1-6.3-9.1-14.1	6.2-9.5-12.1-14.8	9.1-13.5-16.0-19.9
Sound level	dB (A)	19-29-36-45	19-30-36-47	28-38-44-49	30-41-45-50
External dimension (W x D x H)	mm	799 x 232 x 290			923 x 250 x 305
Net Weight	Kg	9			13
External Piping	Diameter Gas (φ)	9.52		12.70	15.88
	Liquid (φ)	6.35		9.52	

Model		MSXY-FP10VG	MSXY-FP13VG	MSXY-FP18VG	MSXY-FP24VG
Rated capacity	kW	2.8	3.5	5.0	7.1
Power input	kW	0.028	0.036	0.042	0.059
Running current	A	0.27	0.33	0.38	0.52
Airflow rate	m³/min	4.1-5.1-6.3-9.1-12.9	4.1-5.1-6.3-9.1-14.1	6.2-7.7-9.5-12.1-14.8	9.3-11.1-13.7-16.1-20.0
Sound level	dB (A)	19-24-29-36-45	19-24-30-36-47	28-33-38-44-49	30-35-41-45-50
External dimension (W x D x H)	mm	799 x 232 x 290			923 x 250 x 305
Net Weight	Kg	9			13
External Piping	Diameter Gas (φ)	9.52		12.70	
	Liquid (φ)	6.35		9.52	

Notes:

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling Indoor : 27°C (81°F) DB / 19°C (66°F) WB, Outdoor 35°C (95°F) DB
Heating Indoor : 20°C (68°F) DB, Outdoor 7°C (45°F) DB / 6°C (43°F) WB
- *2 Airflow rate/Sound pressure level are in (low-middle 2-middle 1-high).
- *3 It is measured in anechoic room.
- *4 Electrical characteristic of cooling includes optional drain-pump.

Model		PAC-LV11M-J
Power source		Single / 220-240V / 50-Hz
Connectable Number of Indoor Unit		1
External finish		Galvanized steel sheet (No external finish)
Dimension (H x W x D)	mm (in.)	183 x 355 x 142
Net Weight	Kg (lbs.)	3.5
Refrigerant pipe diameter	Gas (Flare)	mm (in.)
	Liquid (Flare)	mm (in.)
		6.35 Brazed
Wiring	To Outdoor Unit	2-core shield cable

Floor standing exposed type

PFFY-P VEM-E NEW



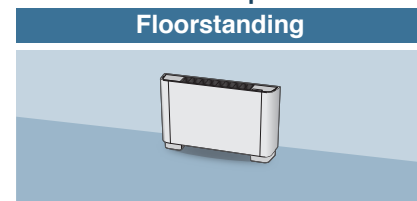
New design

The new sophisticated design in clear white and pearl grey blends in with any interior.

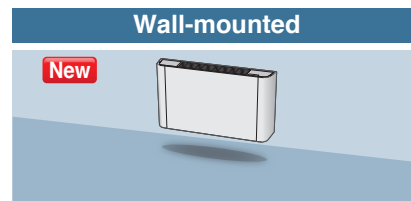
With a depth of 217 mm [8-9/16 in.], the compact unit is ideal for installation in the perimeter zone of a room.

Three installation options are available to suit a wide range of applications.

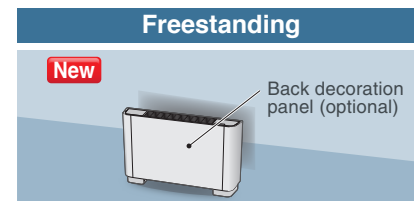
Three installation options



Conventional floorstanding installation is possible.



Wall-mounted installation allows for a stylish interior design.



With the optional back decoration panel, the unit can be installed away from the wall for more design flexibility.

*The legs are not attached to the unit at the time of shipment from the factory. They need to be attached when installing the unit on the floor.

Reduced power consumption and noise

PFFY-P VEM-E features new components and an optimized structure for more efficient and comfortable operation.



A high-efficiency DC fan motor is equipped.

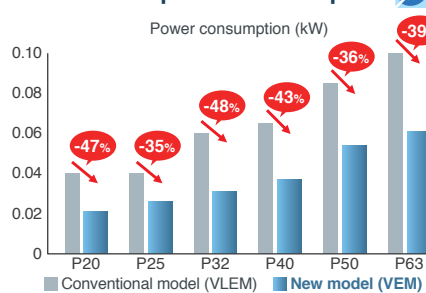


The inner pipes of the heat exchanger have been downsized from ø9.52 to ø7.0 to fit in more pipings.



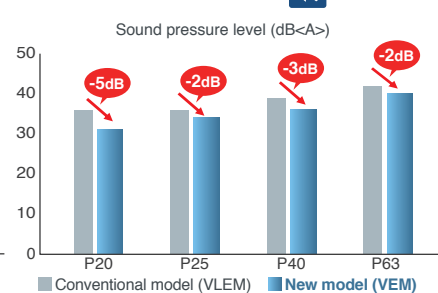
The new structure realizes smooth airflow and reduces pressure loss in the air pathway.

Reduced power consumption



*Measurement conditions (Power source: AC220-240V/50Hz, Fan speed: High)
The unit consumes the same amount of power in both cooling and heating modes.

Reduced noise



*Measurement conditions (Measured point: 1.5m x 1.5m, Power source: AC230V/50Hz)
The sound pressure level is measured in an anechoic room.

Flexible airflow rate setting

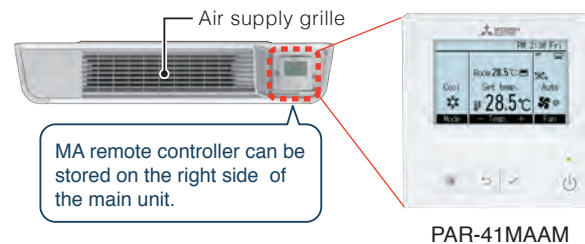
Airflow rate can be set to three levels to suit various installation conditions and maintain a comfortable room temperature.

Airflow rate setting

	Model	Airflow rate
New	PFFY-P VEM	Low-Mid-High*
Conventional	PFFY-P VLEM	Low-High

* Airflow rate setting has been increased from two to three levels.

Remote controller storage in the main unit

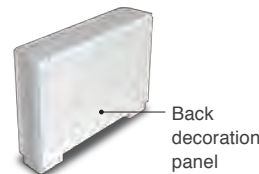


PAR-41MAAM

Optional Parts

Description	Model	Remarks
Back decoration panel*	PAC-BP32VEM-E	For PFFY-P20, 25, 32VEM-E
	PAC-BP50VEM-E	For PFFY-P40, 50VEM-E
	PAC-BP63VEM-E	For PFFY-P63VEM-E

* The back decoration panel is required for freestanding installation. When it is attached to the main unit, the pipes must run under the floor. Refer to the Installation Manual for details.



Back decoration panel

Specifications

Model	PFFY-P20VEM-E	PFFY-P25VEM-E	PFFY-P32VEM-E	PFFY-P40VEM-E	PFFY-P50VEM-E	PFFY-P63VEM-E
Power source	1-phase 220-230-240 V 50/60 Hz					
Cooling capacity (Nominal)	*1 kW 2.2	2.8	3.6	4.5	5.6	7.1
	*1 BTU/h 7,500	9,600	12,300	15,400	19,100	24,200
Power input	kW 0.021	0.026	0.031	0.037	0.054	0.061
Current input	A 0.26-0.25-0.24	0.31-0.30-0.29	0.37-0.35-0.34	0.39-0.38-0.36	0.58-0.56-0.55	0.52-0.50-0.48
Heating capacity (Nominal)	*2 kW 2.5	3.2	4.0	5.0	6.3	8.0
	*2 BTU/h 8,500	10,900	13,600	17,100	21,500	27,300
Power input	kW 0.021	0.026	0.031	0.037	0.054	0.061
Current input	A 0.26-0.25-0.24	0.31-0.30-0.29	0.37-0.35-0.34	0.39-0.38-0.36	0.58-0.56-0.55	0.52-0.50-0.48
External finish	Galvanized steel plate, MUNSELL (1.0Y 9.2/0.2)/ABS, MUNSELL (5.32GY 8.75/0.37)					
External dimension H x W x D	mm 669 (726) x 1,142 x 217	669 (726) x 1,142 x 217	669 (726) x 1,142 x 217	669 (726) x 1,342 x 217	669 (726) x 1,342 x 217	669 (726) x 1,542 x 217
	in. 26-3/8 (28-5/8) x 45 x 8-9/16	26-3/8 (28-5/8) x 45 x 8-9/16	26-3/8 (28-5/8) x 45 x 8-9/16	26-3/8 (28-5/8) x 52-7/8 x 8-9/16	26-3/8 (28-5/8) x 52-7/8 x 8-9/16	26-3/8 (28-5/8) x 60-3/4 x 8-9/16
Net weight	kg (lbs.) 29.5 (67)	29.5 (67)	30 (67)	35 (78)	35 (78)	39.5 (89)
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 3	Sirocco fan x 4
	External static press.	Pa 0	0	0	0	0
	mmH ₂ O 0.0	0.0	0.0	0.0	0.0	0.0
	Motor Type	DC motor				
	Motor output	kW 0.096				
	Driving mechanism	Direct-driven by motor				
	Air flow rate	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
	m ³ /min	5.0 - 6.0 - 7.0	5.5 - 6.5 - 8.0	5.5 - 7.0 - 8.5	8.0 - 9.5 - 11.0	10.0 - 11.5 - 13.5
	L/s	83 - 100 - 117	92 - 108 - 133	92 - 117 - 142	133 - 158 - 183	167 - 192 - 225
	cfm	177 - 212 - 247	194 - 230 - 282	194 - 247 - 300	282 - 335 - 388	353 - 406 - 477
		200 - 233 - 275	282 - 335 - 388	353 - 406 - 477	424 - 494 - 583	
Sound pressure level (measured in anechoic room)	dB <A>	(Low-Mid-High) 23.0-27.0-31.0	(Low-Mid-High) 25.0-29.0-34.0	(Low-Mid-High) 25.0-31.0-36.0	(Low-Mid-High) 29.0-33.0-36.0	(Low-Mid-High) 34.0-37.0-41.0
Air filter	PP honeycomb fabric.					
Refrigerant piping diameter	Liquid (R410A)	mm (in.) 6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze
	Gas (R410A)	mm (in.) 12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	15.88 (5/8) Braze
Field drain pipe size	mm (in.)	O.D.32 (1-1/4)				
Optional parts	Back decoration panel	PAC-BP32VEM-E	PAC-BP32VEM-E	PAC-BP32VEM-E	PAC-BP50VEM-E	PAC-BP63VEM-E

Notes:

*1. Nominal cooling conditions
Indoor: 27° CD.B./19° CW.B. (81° FD.B./66° FW.B.), Outdoor: 35° CD.B. (95° FD.B.), Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*2. Nominal heating conditions
Indoor: 20° CD.B. (68° FD.B.), Outdoor: 7° CD.B./6° CW.B. (45° FD.B./43° FW.B.), Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*3. The values in () show the height of unit with leg.

* 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.

Floor standing concealed type

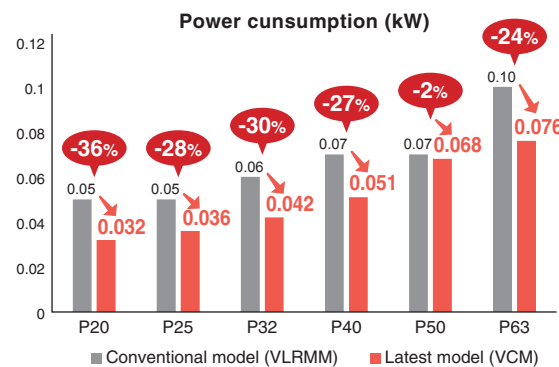
PFFY-P VCM-E



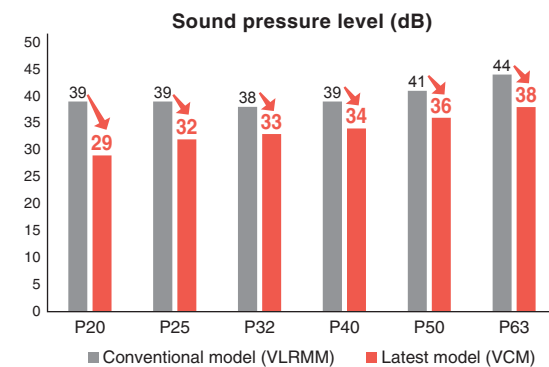
Reduced power consumption and noise

The structure realizes smooth airflow to reduce pressure loss in the air pathway. Additionally, the inner pipes of its heat exchanger have been downsized from ø9.52 to ø7.0 to contain a larger number of pipings.

The combination of the structure and components contributes to reducing power consumption and operation noise.



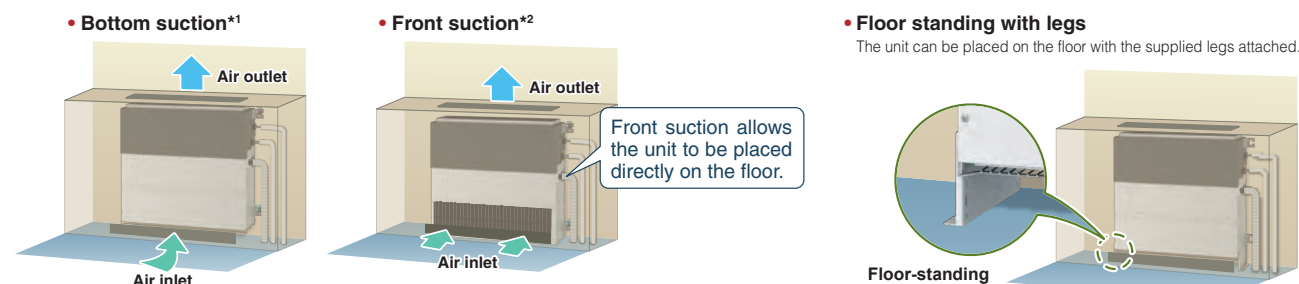
* Measurement condition (External static pressure: 40Pa Fan speed: High)
* The unit consumes the same power in both cooling and heating modes.



* Measurement condition (External static pressure: 40Pa Fan speed: High)
* The sound pressure level in operation is measured at 1.5 m apart from the front side and bottom side of the unit in anechoic room.

Flexible installation pattern ideal for perimeter zone air conditioning

Air inlet can be selected from two patterns, bottom suction or front suction, by changing the panel, fan guard and filter.

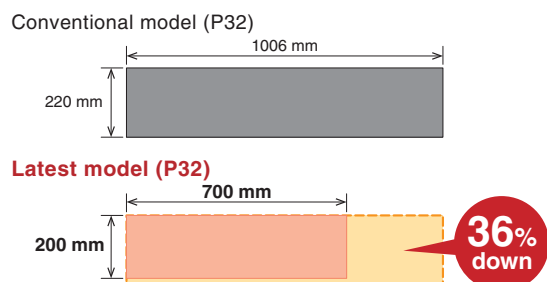


*1 Select a site where the flow of supply air is not blocked. The unit cannot be placed directly on the floor in the case of bottom suction.

*2 Front suction makes more noise than bottom suction. Bottom suction is recommended when installing the unit in rooms that need to be quiet, such as bedrooms.

Smaller footprint

The latest model (P32) has a 36% smaller footprint compared to the PFFY-VLRMM, owing to a redesigning of the positions of the inner components.



Flexible airflow and external static pressure setting

Airflow rate and external static pressure can be selected to suit various installation conditions.

	Conventional		Latest
Model Name	PFFY-P VLRM	PFFY-P VLRMM	PFFY-P VCM
Airflow rate	Low-High	Low-Mid-High	Low-Mid-High
External static pressure(Pa)	0	20-40-60	0-10-40-60

Specifications

Model			PFFY-P20VCM-E	PFFY-P25VCM-E	PFFY-P32VCM-E
Power source			1-phase 220-230-240 V 50/60 Hz		
Cooling capacity	*1	kW	2.2	2.8	3.6
(Nominal)	*1	BTU/h	7,500	9,600	12,300
	*2	Power input	kW	0.022	0.031
	*2	Current input	A	0.30	0.34
Heating capacity	*3	kW	2.5	3.2	4.0
(Nominal)	*3	BTU/h	8,500	10,900	13,600
	*2	Power input	kW	0.022	0.031
	*2	Current input	A	0.30	0.34
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension	*4	mm	615 (690) x 700 x 200	615 (690) x 700 x 200	615 (690) x 700 x 200
H x W x D		in.	24-1/4 (27-3/16) x 27-9/16 x 7-7/8	24-1/4 (27-3/16) x 27-9/16 x 7-7/8	24-1/4 (27-3/16) x 27-9/16 x 7-7/8
Net weight		kg (lbs)	18 (40)	18 (40)	18.5 (42)
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
*5	External static press.	Pa	<0> - 10 - <40> - <60>	<0> - 10 - <40> - <60>	<0> - 10 - <40> - <60>
		mmH ₂ O	<0.0> - 1.0 - <4.1> - <6.1>	<0.0> - 1.0 - <4.1> - <6.1>	<0.0> - 1.0 - <4.1> - <6.1>
	Motor Type	DC motor		DC motor	DC motor
	Motor output	kW	0.096	0.096	0.096
	Driving mechanism	Direct-driven by motor		Direct-driven by motor	Direct-driven by motor
Air flow rate			(Low-Mid-High)		
		m ³ /min	5.0 - 6.0 - 7.0	5.5 - 6.5 - 8.0	5.5 - 7.0 - 8.5
		L/s	83 - 100 - 117	92 - 108 - 133	92 - 117 - 142
		cfm	177 - 212 - 247	194 - 230 - 282	194 - 247 - 300
Sound pressure level			(Low-Mid-High)		
(measured in anechoic room)	*2	dB<A>	21-23-26	22-25-29	23-26-30
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.
Refrigerant	Liquid (410A)	mm (in.)	6.35 (1/4)Braze	6.35 (1/4)Braze	6.35 (1/4)Braze
piping diameter	Gas (410A)	mm (in.)	12.7 (1/2)Braze	12.7 (1/2)Braze	12.7 (1/2)Braze
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)

Model	PFFY-P40VCM-E			PFFY-P50VCM-E			PFFY-P63VCM-E			
Power source	1-phase 220-230-240 V 50/60 Hz									
Cooling capacity	*1	kW	4.5	5.6			7.1			
(Nominal)	*1	BTU/h	15,400	19,100			24,200			
	*2	Power input	kW	0.038			0.058			
	*2	Current input	A	0.38			0.49			
Heating capacity	*3	kW	5.0	6.3			8.0			
(Nominal)	*3	BTU/h	17,100	21,500			27,300			
	*2	Power input	kW	0.038			0.058			
	*2	Current input	A	0.38			0.49			
External finish	Galvanized steel plate			Galvanized steel plate			Galvanized steel plate			
External dimension	*4	mm	615 (690) x 900 x 200	615 (690) x 900 x 200			615 (690) x 1,100 x 200			
H x W x D		in.	24-1/4 (27-3/16) x 35-7/16 x 7-7/8	24-1/4 (27-3/16) x 35-7/16 x 7-7/8			24-1/4 (27-3/16) x 43-5/16 x 7-7/8			
Net weight		kg (lbs)	22.5 (51)	22.5 (51)			25.5 (58)			
Heat exchanger	Cross fin (Aluminum fin and copper tube)									
FAN	Type x Quantity	Sirocco fan x 3			Sirocco fan x 3			Sirocco fan x 4		
	*5 External static press.	Pa	<0> - 10 - <40> - <60>	<0> - 10 - <40> - <60>			<0> - 10 - <40> - <60>			
		mmH ₂ O	<0.0> - 1.0 - <4.1> - <6.1>	<0.0> - 1.0 - <4.1> - <6.1>			<0.0> - 1.0 - <4.1> - <6.1>			
	Motor Type	DC motor			DC motor			DC motor		
	Motor output	kW	0.096	0.096			0.096			
	Driving mechanism	Direct-driven by motor			Direct-driven by motor			Direct-driven by motor		
	Air flow rate				(Low-Mid-High)					
		m ³ /min	8.0 - 9.5 - 11.0	10.0 - 11.5 - 13.5			12.0 - 14.0 - 16.5			
		L/s	133 - 158 - 183	167 - 192 - 225			200 - 233 - 275			
		cfm	282 - 335 - 388	353 - 406 - 477			424 - 494 - 583			
Sound pressure level				(Low-Mid-High)						
(measured in anechoic room)	*2	dB<A>	25-27-30	28-31-34			28-32-35			
Air filter	PP honeycomb fabric.			PP honeycomb fabric.			PP honeycomb fabric.			
Refrigerant	Liquid (410A)	mm (in.)	6.35 (1/4)Braze	6.35 (1/4)Braze			9.52 (3/8)Braze			
piping diameter	Gas (410A)	mm (in.)	12.7 (1/2)Braze	12.7 (1/2)Braze			15.88 (5/8)Braze			
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)			O.D.32 (1-1/4)			

Notes:

*1. Nominal cooling conditions
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

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

*3. Nominal heating conditions
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*4. The values in () show the height of unit with leg.

*5. 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.

*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.

Floor standing exposed type

PFFY-P YM-E PFFY-P YMH-E

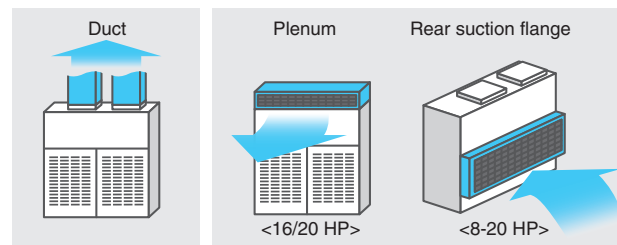


Reduces installation and maintenance time

This series is a floor-standing, large capacity, indoor unit, which reduces the piping and installation burdens, and makes maintenance easy.

Increased adaptation to local needs

In addition to the standard duct blowing, both plenum blowing and rear suction are optionally selectable.

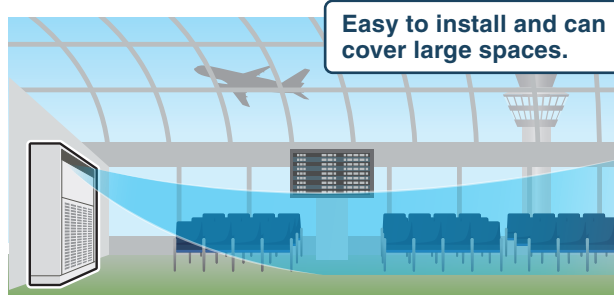


Pulley belt option

This option supports the use of wider ranges of airflow rates and static pressures to suit a greater variety of needs.

Both large-scale and individual air conditioning can be performed

When this model is used in a large space and CITY MULTI indoor units are used in individual rooms, one outdoor unit can control the air conditioners in these rooms of various sizes.



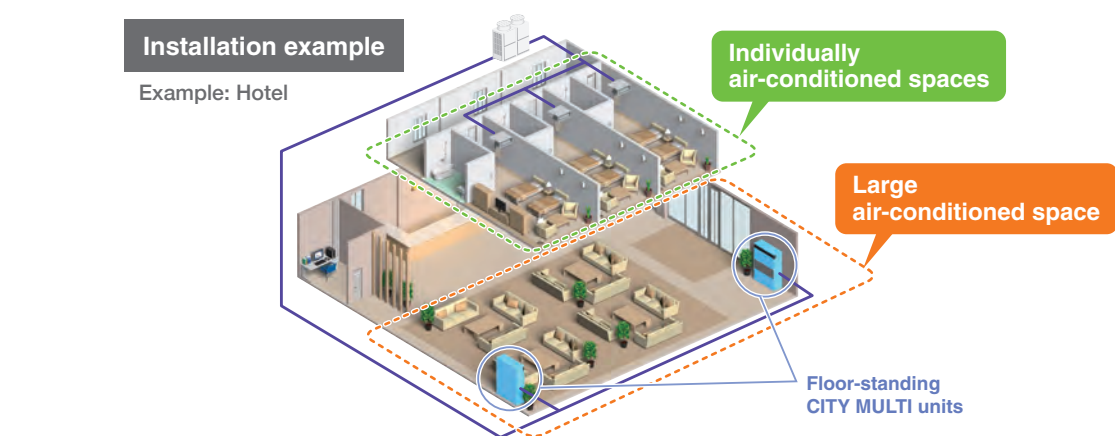
Wide ranges of airflow rate and static pressure options are available to suit a greater variety of needs

		Air flow rate (m³/min [ft.³/min])		Static pressure (Pa)	
		High, 50/60 Hz		380 V, 50/60 Hz	
PFFY-P200YM-E	8 HP	65.0/69.0 [2300/2430]		0	
PFFY-P250YM-E	10 HP	77.0/72.0 [2720/2540]		0	
PFFY-P200YMH-E*	8 HP	65.0 [2300]		180/200	
PFFY-P250YMH-E*	10 HP	72.0 [2540]		180/210	
PFFY-P400YM-E	16 HP	150.0 [5300]		210/390	
PFFY-P500YM-E	20 HP	200.0 [7060]		290/510	

*High static pressure model

Multiple units can be connected to one outdoor unit

Multiple units of this model can be connected to one outdoor unit. Air can be spread throughout a large room.



Optional Parts

Description	Model	Applicable capacity
OA duct flange	PAC-ODF10DF-E	P200, 250
	PAC-ODF20DF-E	P400, 500
Plenum	PAC-PL20PL-E1	P400, 500

Specifications

Model			PFFY-P200YM-E	PFFY-P250YM-E	PFFY-P200YMH-E	PFFY-P250YMH-E	PFFY-P400YM-E	PFFY-P500YM-E
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz					
Cooling capacity (Nominal)	*1	kW	22.4	28.0	22.4	28.0	45.0	56.0
	*1	BTU/h	76,400	95,500	76,400	95,500	153,500	191,100
*2 Power input		kW	0.490/0.680	1.05/1.26	1.00/1.41	1.31/1.41	2.86/3.79	3.94/5.30
*2 Current input (380-400-415 V)		A	0.97-0.98-0.99/ 1.24-1.23-1.22	1.74-1.83-1.88/ 2.06-2.05-2.04	1.82-1.85-1.87/ 2.37-2.37-2.37	2.14-2.18-2.20/ 2.18-2.18-2.18	5.23-5.25-5.33/ 6.16-6.18-6.26	7.66-7.68-7.76/ 8.49-8.51-8.58
Heating capacity (Nominal)	*3	kW	25.0	31.5	25.0	31.5	50.0	63.0
	*3	BTU/h	85,300	107,500	85,300	107,500	170,600	215,000
*2 Power input		kW	0.490/0.680	1.05/1.26	1.00/1.41	1.31/1.41	2.86/3.79	3.94/5.30
*2 Current input (380-400-415 V)		A	0.97-0.98-0.99/ 1.24-1.23-1.22	1.74-1.83-1.88/ 2.06-2.05-2.04	1.82-1.85-1.87/ 2.37-2.37-2.37	2.14-2.18-2.20/ 2.18-2.18-2.18	5.23-5.25-5.33/ 6.16-6.18-6.26	7.66-7.68-7.76/ 8.49-8.51-8.58
External finish			Galvanized steel plate (with polyester coating) <MUNSELL 3.0Y 7.8/1.1 or similar>					
External dimension H x W x D	mm	1,665 x 1,200 x 500	1,665 x 1,200 x 500	1,465 x 1,200 x 500	1,465 x 1,200 x 500	1,800 x 1,860 x 650	1,800 x 1,860 x 650	
	in.	65-9/16 x 47-1/4 x 19-11/16	65-9/16 x 47-1/4 x 19-11/16	57-11/16 x 47-1/4 x 19-11/16	57-11/16 x 47-1/4 x 19-11/16	70-7/8 x 73-1/4 x 25-5/8	70-7/8 x 73-1/4 x 25-5/8	
Net weight	kg (lbs)	157 (347)	158 (349)	138 (305)	139 (307)	310 (684)	362 (799)	
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	Sirocco fan x 2
	External static press. (380 V)	Pa	0	0	180/200	180/210	210/390	290/510
		mmH ₂ O	0.0	0.0	18.4/20.4	18.4/21.4	21.4/39.8	29.6/52.0
	Motor Type		3-phase induction motor					
	Motor output	kW	0.400	0.500	0.770	0.770	3.700	5.500
	Driving mechanism		Direct-driven by motor				Belt driving	
	Air flow rate		(High-Low)			(High)		
			m ³ /min	65.0-59.0/69.0-60.0	77.0-56.0/72.0-50.0	65.0	72.0	150.0
L/s			1,083-983/1,150-1,000	1,283-933/1,200-833	1,083	1,200	2,500	3,333
		cfm	2,295-2,083/2,436-2,119	2,719-1,977/2,542-1,766	2,295	2,542	5,297	7,062
Sound pressure level (measured in anechoic room) (380 V)			(High-Low)			(High)		
		*2 dB (A)	58-56/60-56	63-60/62-60	58/60	60/61	68/69	69/69
Air filter			PP honeycomb fabric.					
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
	Gas (R410A)	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Field drain pipe size		in.	Rc 1	Rc 1	Rc 1	Rc 1	Rc 1-1/4	Rc 1-1/4

Notes:

*1 Nominal cooling conditions
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*2 The values are measured in fan mode and at the factory setting of external static pressure.

*3 Nominal heating conditions
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

*4 Long period operation in a high temperature and humidity atmosphere (dew point of 23°C or more) may cause condensation to form in the indoor unit.

*5 In case of this type of unit is connected, the maximum connected indoor unit capacity to one outdoor unit have to be less than or equal to 100%.

*6 This unit cannot be connected to R2 or WR2-Series. (PFFY-P400, P500YM-E only)

*7 This unit cannot be connected to PUMY-Series.

* 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.

PFFY-P YM-E-F

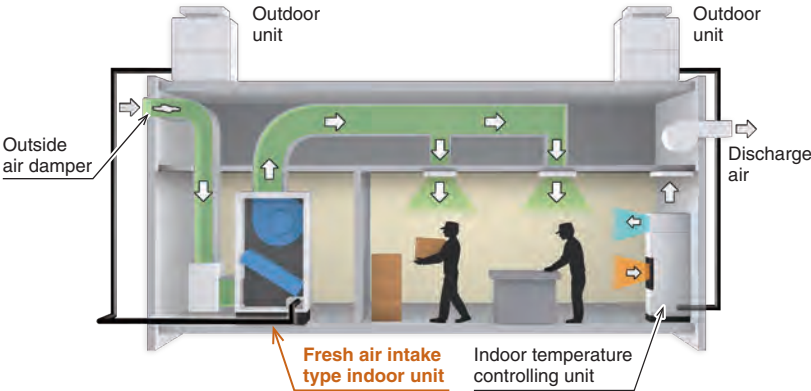


Enable intake of outside air

This model can take in the outside air, it delivers fresh air to indoors and improves comfort even in places where much ventilation is required, such as factories.

*This product is for use in occupant spaces and not suitable for use in spaces requiring stringent thermostatic control.

*Fresh air intake type is designed to supply conditioned outside air into the room. Do not use to handle internal thermal load.



*Please prepare dampers, ducts, and grilles locally in the field.

Usable in combination with CITY MULTI indoor units

P300 is usable in combination with the CITY MULTI indoor units in a single refrigerant system*.

By installing an outdoor unit and indoor units that match the size of each room, it is possible to achieve individual air conditioning and intaking fresh air.

*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. Please refer to NOTES of specification regarding the details.

Specifications

Model			PFFY-P300YM-E-F		PFFY-P600YM-E-F	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	33.5		67.0	
	*1	BTU/h	114,300		228,600	
	*2	Power input	kW		0.350-0.360-0.370/0.450-0.450-0.470	
	*2	Current input	A		0.86-0.88-0.91/0.92-0.93-0.91	
Temp. range of cooling			21°C D.B./15.5°C W.B. ~ 43°C D.B./35°C W.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 21°C D.B.			
Heating capacity (Nominal)	*3	kW	28.0		56.0	
	*3	BTU/h	95,500		191,100	
	*2	Power input	kW		0.350-0.360-0.370/0.450-0.450-0.470	
	*2	Current input	A		0.86-0.88-0.91/0.92-0.93-0.91	
Temp. range of heating			0°C D.B. ~ 20°C D.B. * Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°C D.B.			
External finish			Galvanized steel plate (with polyester coating) <MUNSELL 3.0Y 7.8/1.1 or similar>			
External dimension H x W x D		mm	1,465 x 1,200 x 500		1,805 x 1,860 x 710	
		in.	57-11/16 x 47-1/4 x 19-11/16		71-1/8 x 73-1/4 x 28	
Net weight		kg (lbs)	146 (322)		357 (788)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)	
Fan	Type x Quantity		Sirocco fan x 2		Sirocco fan x 2	
	External static press.	Pa	80/140		120/200	
		mmH ₂ O	8.2/14.3		12.2/20.4	
	Motor Type		3-phase induction motor		3-phase induction motor	
	Motor output		kW		0.400	
	Driving mechanism		Direct-driven by motor		Belt driving	
	Air flow rate		(High)		(High)	
		m ³ /min	45.0		90.0	
		L/s	750		1,500	
		cfm	1,589		3,178	
Sound pressure level (measured in anechoic room)			(High)		(High)	
*2			dB (A)		48.5/48.5	
Air filter			PP honeycomb fabric 1012 × 720 Dust collection efficiency (Weight Method) 17%		PP honeycomb fabric 894 × 612 × 2 Dust collection efficiency (Weight Method) 17%	
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	9.52 (3/8) Brazed		15.88 (5/8) Brazed	
	Gas (R410A)	mm (in.)	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	
Field drain pipe size			in.		Rc 1-1/4	

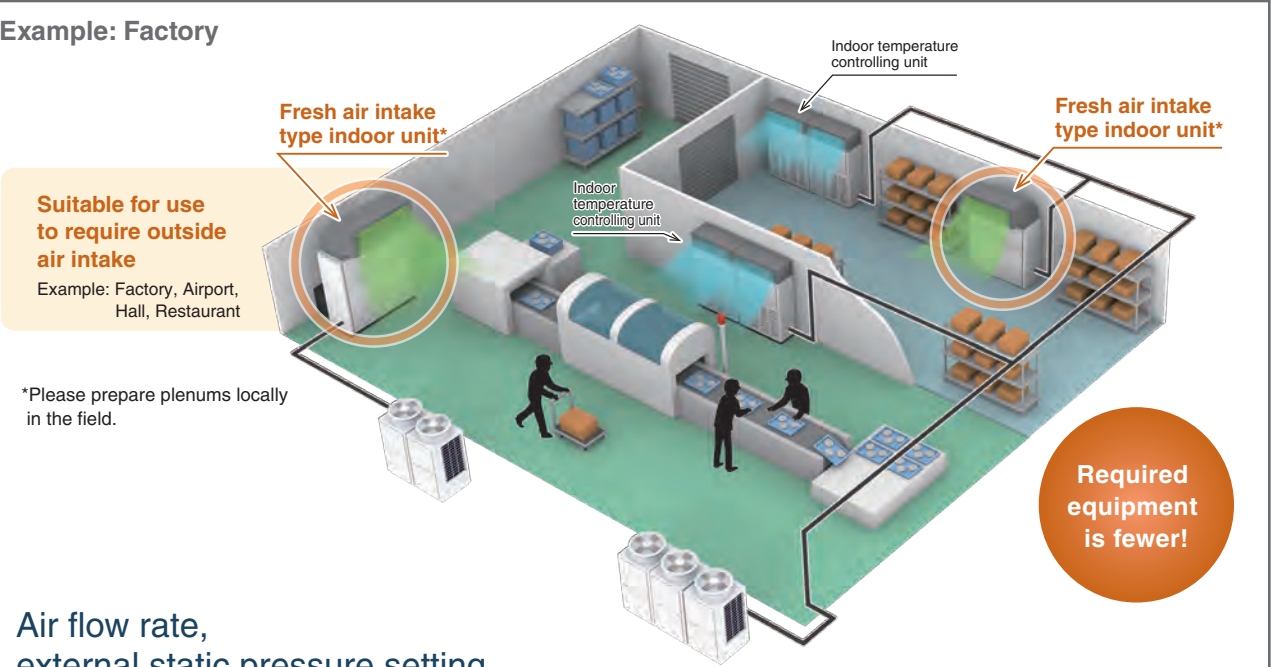
Notes:

- *1 Nominal cooling conditions
Indoor: 33°C D.B./28°C W.B., Outdoor: 33°C D.B.
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *2 The values are measured in fan mode and at the factory setting of external static pressure.
- *3 Nominal heating conditions
Indoor: 7°C D.B., Outdoor: 7°C D.B./3°C W.B.
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Long period operation in a high temperature and humidity atmosphere (dew point of 23°C or more) may cause condensation to form in the indoor unit.
- This unit cannot be connected to PUMY, R2 and WR2 series.
- Fresh air intake type indoor units cannot be connected to an outdoor unit together with PWFY series.
- When this fresh air intake type indoor unit is included in the system, the upper limit of connectable indoor unit capacity range is 100% of the connected outdoor unit capacity.
- 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 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 21°C D.B. in cooling mode or when the temperature exceeds 20°C D.B. in heating mode.
- Dry mode is not available.
- When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation, which may occur dew condensation on the grilles and ducts. Please insulate the grilles, ducts, and rooms to prevent dew condensation properly.
- 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.
- Fresh air intake type indoor unit is designed to supply pretreated outside air into the room. Do not use to handle internal thermal load.
- 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 outlet air temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- The fan temporarily stops during defrost.

* 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.

Installation example

Example: Factory



Air flow rate, external static pressure setting

The airflow rate of this product at High speed is 45 m³/min for the P300 model and 90 m³/min for the P600 model. Two patterns of static pressure setting are selectable, depending on the size and the use of the building.

	Air flow rate (m ³ /min)		External static pressure
	High		
PFFY-P300YM-E-F	45.0		80 Pa, 140 Pa
PFFY-P600YM-E-F	90.0		120 Pa, 200 Pa



Remote Controller



Remote controller list

Building Management Zone

Centralized control



AE-200E/EW-50E with BACnet Interface
For BACnet®

*This image shows AE-200E.

BMS and CITY MULTI can be connected. This enables control of the entire building and air-conditioning control on the BMS side.

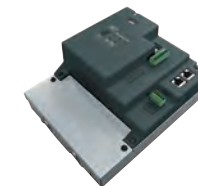
Floor Management Zone

System controller



AE-200E

This model, featuring a color LCD screen, can control up to 50 indoor units when used independently, and up to 200 indoor units when connected to AE-50E/EW-50E.



EW-50E

This model can control up to 50 indoor units when used independently, or when connected to the AE-200E as an expansion unit.



PAC-YT40ANRA

The power can be turned on and off easily for 50 indoor units in up to 16 groups with this single unit.



AT-50B

This model is suitable for control on each floor. You can control up to 50 indoor units on the color LCD screen.

The air conditioners in each group can be turned on and off, and their modes can be changed. The weekly timer allows them to be turned on automatically before work starts, and off after closing time.

Local remote controller



PAR-41MAAM NEW
(MA remote controller)

The temperature can be set in steps of 0.5°C [1°F] increments, and the air flow direction and error icons are displayed on the screen.



PAR-U02MEDA
(ME remote controller)

All elements appear on the LCD screen, which features an occupancy sensor. All conditions including grouping can be set on this one controller.



PAR-CT01MAA-S
(MA remote controller)

All elements appear on the LCD screen. The background and character colors can be selected.



PAC-YT52CRA
(MA remote controller)

A simple remote controller dedicated to setting the temperature and fan speed



PAR-FL32MA
(MA Wireless remote controller)

* Requires wireless signal receiving unit



PAR-SL101A-E
(MA Wireless remote controller)

* Connected only to PLFY-P VEM-PA / PLFY-P VFM-E1/PKFY-P VLM-E
* Requires wireless signal receiving unit

A suitable remote controller can be selected to control the air conditioners in each room according to each use situation.

Centralized Remote Controller

Centralized controller

AE-200E/AE-50E

Mounted with color LCD touch panel excelling in visibility and operability.

- A 10.4-in LCD touch panel with high definition is used. The large display screen and the floor screen image*1 are excellent in visibility, and the equipment can be operated by touching the icons on the touch panel.

*1. The floor plan image function is optional.

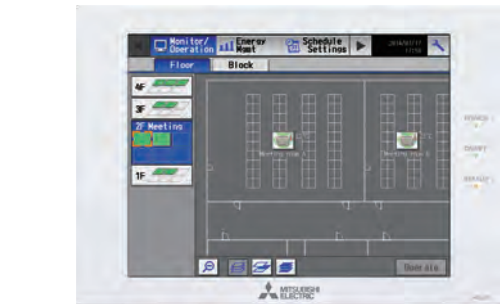
An optimal system can be easily and flexibly established according to a facility's scale.

- Up to 50 indoor units can be managed.
- Centralized control of up to 200 indoor units can be performed with three "AE-50E/EW-50E" expansion controllers.
- More than 200 indoor units can be managed by connecting the PC to the web browser.*1

*1. Please contact your local distributor regarding support for this feature.

Airflow direction and airflow rate can be adjusted finely according to the schedule.

- For indoor units, LOSSNAY and general-purpose devices controlled by AE-200E, schedules by group, block and floor and for the entire building can be set.



Dimensions 284(W) x 200(H) x 65(D) mm
11-3/16(W) x 7-7/8(H) x 2-9/16(D) in.

Detailed settings for each indoor unit can also be managed from the AE-200E

Presetting of set temperature
Even if the set temperature is changed on a remote controller, the temperature can be automatically returned to the standard temperature at the specified time.

Prevention of forgetting to turn off
A command to stop can be given to prevent forgetting to turn off.

Change of set temperature according to time slot
The set temperature in each time slot can be changed.

Prohibition of operation of remote controllers
It is possible to prohibit operation (ON/OFF, change operation mode, set temperature.) of the remote controllers.

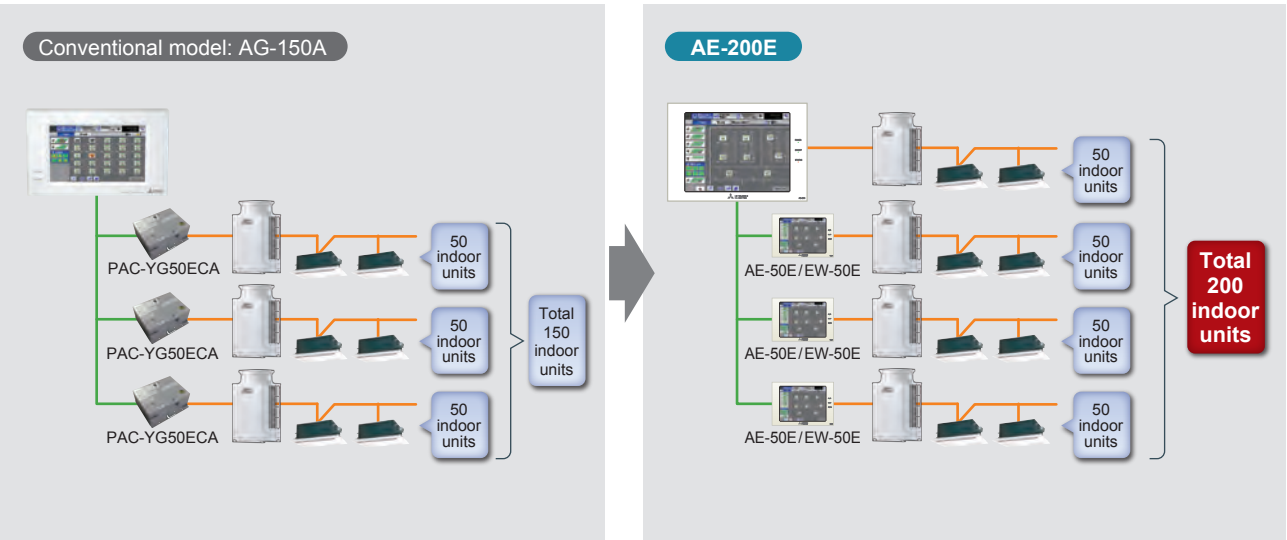
Air flow direction and fan speed can be set
The air flow direction and fan speed can be set. The detailed setting improves the comfort.

Operation items to be prohibited can be selected arbitrarily.

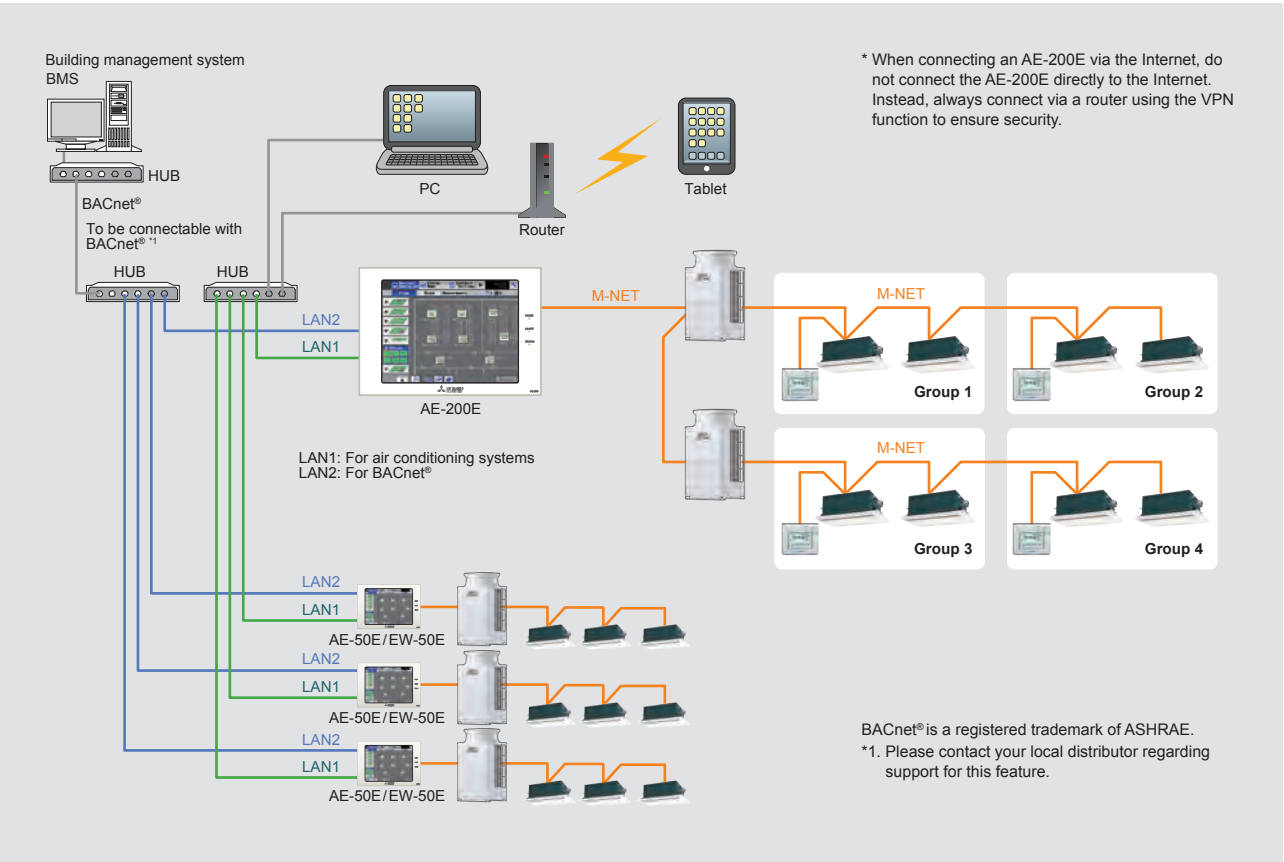
24 times of actions per day can be set in minutes.

Can be set from the Web browser.

Comparing the number of connectable units



System Structure



* When connecting an AE-200E via the Internet, do not connect the AE-200E directly to the Internet. Instead, always connect via a router using the VPN function to ensure security.

BACnet® is a registered trademark of ASHRAE.
*1. Please contact your local distributor regarding support for this feature.

Functions

Item	Description	Setting	Display
Controllable number of units	Up to 50 units/50 groups		
ON/OFF	ON and OFF operation for the air conditioning units and general equipment. (PAC-YG66DCA is required to operate general equipment.)	○●△●	○●
Operation mode	Switches between several operation modes depending on the air conditioning unit. Air conditioning unit: Cool/Dry/Auto(*)/Fan/Heat LOSSNAY unit: Heat Recovery/Bypass/Auto * Auto mode is for CITY MULTI R2 and WR2 Series only.	○●△●	○
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	○●△●	○
Fan speed setting	Models with 4 air flow speed settings: Hi/Mid-2/Mid-1/Low Models with 3 air flow speed settings: Hi/Mid/Low Models with 2 air flow speed settings: Hi/Low Fan speed setting (including Auto) varies depending on the model.	○●△●	○
Air flow direction setting	Air flow direction angles, 4-angles or 5-angles Swing, Auto (Louver cannot be set)	○●△●	○
Schedule operation	Weekly schedule can be set by groups based on daily operation pattern.	○●△●	○
Permit/prohibit local operation	Individually prohibits operation of each local remote controller function. (ON/OFF, Operation mode, Set temperature, Filter sign reset, Air Direction*, Fan Speed*, Timer*) * This function depends on the model.	○●△●	○
Indoor unit intake temperature	Measures the intake temperature of the indoor unit only when the indoor unit is operating.	×	○
Error	When an error is currently occurring on an air conditioning unit, the affected unit and the error code are displayed.	×	□○●
Test run	This operates air conditioning units in test run mode.	○●△●	○
Ventilation interlock	The ventilation unit (LOSSNAY) is able to automatically start its operation when operation of the interlocked indoor unit starts.	○●△●	○
External input (timer connection, emergency stop input, etc.)	Using a level signal or pulse signal, it is possible to input the following: Level signal: Emergency Stop Input, Batch ON/OFF, and Demand Input. Pulse signal: Batch ON/OFF or Operation Disable/Enable * Requires an external power supply and external I/O adapter (PAC-YG10HA) sold separately. Only one input can be selected from the above inputs.	○	○
Energy Management	Bar Graph: Indoor unit Electric Energy, FAN operation time, Thermo-ON time (TOTAL, Cooling, Heating) can be displayed hourly, daily, and monthly. Line Graph: Outdoor temp., Room temp., Set temp. (Heating, Cooling) input from PAC-YG63MCA.	×	□○●*3
ME remote controller	The status of sensor on this controller can be monitored.	×	○
Smartphone/Tablet	The specified web browser on iOS and Android OS can monitor and operate the AE-200E. *1	○	○
New web design	Revised web screen design for a more user friendly interface. *1	○●△●	○
Apportionment of power consumption	Apportionment of power consumption can be calculated on the AE-200 *2	●	□○●*3
BACnet® communication	ANSI/ASHRAE 135-2010 (ISO16484-5) is supported and approved by the BTL. *1	○	×

*1. Please contact your local distributor regarding support for this feature.
*2. Even when the number of indoor units is 50 or less, the system must consist of AE-200E and EW-50E/AE-50E.
*3. Energy Management License Pack (optional) is required.

Centralized controller
EW-50E



Dimensions 209(W) x 172(H) x 92(D) mm
8-1/4(W) x 6-25/32(H) x 3-5/8(D) in.

Main Features

• **Can be used as an expansion controller for the AE-200E**
Up to 200 indoor units can be operated and monitored by connecting three EW-50E units to an AE-200E controller.

• **Function to apportion electricity charges**
The power consumption of each air conditioner can be calculated with an AE-200E controller. The calculated data can be output to a PC via a USB memory device or LAN, and billing charges can be prepared using a specific charge calculation tool.

*To use the function to apportion electricity charge, the AE-200E and EW-50E are required.
*For other restrictions, refer to the Installation Manual and Instruction Book.

Functions

* The functions and specifications are subject to change.

⊙: By group or multiple groups ○: By group □: Batch only

Item	Remarks	Setting	Display
ON/OFF	Switches air conditioners and general equipment ON or OFF.	⊙	⊙
Operation mode switching	Switches to cool, dry, auto, fan, or heat operation. * Some modes are not available depending on the unit.	⊙	○
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	⊙	○
Set temperature 0.5°C/1°F increments	The temperature can be set and displayed in 0.5°C/1°F increments. * With some unit combinations, the temperature is set in 1°C/2°F increments.	⊙	○
Fan speed setting	The fan speed can be set to 4 levels, 3 levels, 2 levels, or automatic. * Available fan speeds differ depending on the unit.	⊙	○
Air direction setting	Fixed swing in 5 levels or auto air direction can be set. * Available air directions differ depending on the unit.	⊙	○
Prohibition of local remote controller operation	It is possible to disable the ability to use to local remote controller to run or stop the operation mode, set temperature, filter sign reset, wind speed, wind direction and timer operation. * In the Lossnay group, only ON/OFF and filter reset can be disabled. * Disabling of the fan speed, air direction, and timer operation can be set for the AT-50B, PAR-41MAA, PAR-U02MEDA, and PAC-YT52CR models.	⊙	○
Room temperature display	Displays the suction temperature of the indoor unit.	—	○
Error display	Displays the current error content together with the address.	—	⊙
Schedule operation	Today/weekly/weekly by season/yearly Setting content: ON/OFF, operation mode, set temperature, disable local remote controller, air direction/fan	⊙	○
Energy management	Displays the power consumption* or operating hours. * Optional part required.	—	⊙
Ventilator operation (solo)	Group operation is be possible for free plan Lossnay units only. * The above group operation mode includes auto ventilation, heat exchange, and normal ventilation.	⊙	○
Ventilator operation (interlocked)	Free plan Lossnay units and indoor units can be interlocked and operated together. * At this point, air volume can be operated, but the ventilation mode cannot be selected.	⊙	○
External input (timer connection, emergency stop input, etc.)	Using a level signal or pulse signal, it is possible to input the following: Level signal: Emergency Stop Input, Batch ON/OFF, and Demand Input. Pulse signal: Batch ON/OFF or Operation Disable/Enable * Requires an external power supply and external I/O adapter (PAC-YG10HA) sold separately. Only one input can be selected from the above inputs.	□	—
External output (error output, operation output)	Using the level signal, ON/OFF, and Error/Normal are output. * Requires an external power supply and external I/O adapter (PAC-YG10HA) sold separately.	—	□
Web browser	Monitor/operation, failure, filter sign monitoring, schedule setting, interlocked control setting (option), energy-saving control setting (option), energy-saving peak cut setting (option), set temperature range restrictions, other	⊙,1	⊙,1
Filter reset	Filter sign reset	○	○
Connectable location	Centralized system transmission line: Connectable Recommended Indoor and outdoor transmission line: Connectable	—	—

* Functions and specifications differ depending on the connected equipment and model.
* Electric energy can be proportionally divided using the EW-50E alone.
However, the apportioned electricity charge function requires an AE-200E.

■Notes
* 1. Some items do not support the multi group setting and display.

■Connectable equipment: CITY MULTI
A Mr. SLIM Control (Can be connected using an M-NET adapter or special outdoor unit)
Room air conditioner (Requires a system control interface or M-NET control interface)
Lossnay
AI controller, PI controller, DIDO controller

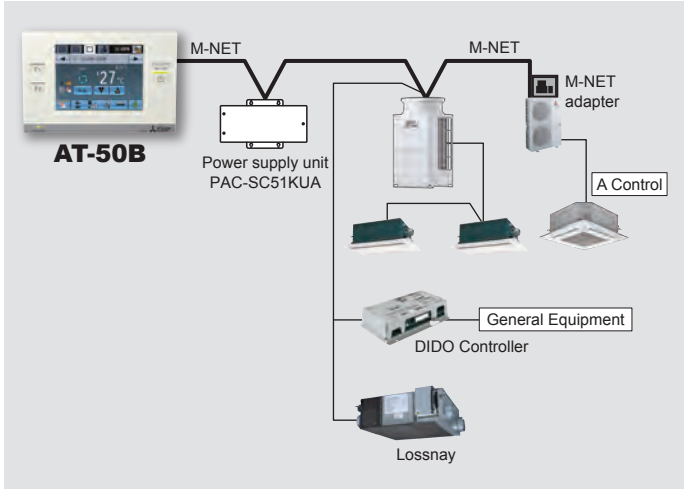
Advanced Touch controller
AT-50B



Dimensions 180(W) x 120(H) x 30(D) mm
7-2/16(W) x 4-3/4(H) x 1-3/16(D) in.

The color touch panel is easy to see and operate.
The operation screen can be selected according to the intended use.

System structure



Advanced Functions

□: Each unit ○: Each group ⊙: Group or collective ×: Not available

Item	Description	Setting	Display
Permit / Prohibit	The ON/OFF, operation mode, setting temperature, fan speed, air direction, filter sign reset operations, and timer using the local remote controllers can be prohibited. Only ON/OFF and filter reset can be prohibited for the LOSSNAY group. *The settable items vary depending on the models.	⊙	⊙
Operation lock	The operation lock can be set to the input operation of the AT-50B. Each button can be set. (Function Button 1, Function Button 2, Collective ON/OFF, Touch Panel) Each function can be set. (Operation mode, Setting temperature, Fan speed, Menu button) The password for the lock release can be set.	⊙	○
Error display	When an error is occurring on an air conditioner unit, the affected unit and the error code are displayed. * When an error occurs, the "ON/OFF" LED flashes. The operation monitor screen shows on abnormal icon over the unit. The error monitor screen shows the abnormal unit address and error code. The error log monitor screen shows the time and date, the abnormal unit address, error code, and source of detection.	×	□⊙
Ventilation (independent)	Switches the mode "Bypass/Heat recovery/Auto" for LOSSNAY groups.	⊙	⊙
Ventilation (interlocked)	The LOSSNAY will run in interlock with the operation of the indoor unit. The mode cannot be changed. The LED will turn ON during operation after interlocking.	⊙	○
Temperature set limitation	Batch-setting to temperature range limit in cooling, heating, and auto modes. This function cannot be used with the MA remote controller. (Depends on the indoor unit model.)	○	○
Specific mode operation prohibit (Cooling prohibit, heating prohibit, cooling/heating prohibit)	When set as the main controller, operation of the following modes with the local remote controllers can be prohibited: When cooling is prohibited: Cooling, dry, automatic can not be chosen. When heating is prohibited: Heating, automatic can not be chosen. When cooling/heating is prohibited: Cooling, dry, heating, automatic can not be chosen.	⊙	○
External input (Emergency stop input, etc.)	The following input with level signals or pulse signals are available. Level signal: "Emergency stop input" or "Collective ON/OFF" Pulse signal: "Collective ON/OFF" or "Local remote controller prohibit/permit" One input can be selected from those above. * An external input/output adapter (PAC-YT51HAA (sold separately)) is required. Relays and DC power supply or other devices must be prepared at the site.	⊙	○
External output (Error output, operation output)	"ON/OFF" and "error/normal" are output with the level signal. * An external input/output adapter (PAC-YT51HAA (sold separately)) is required. Relays and DC power supply or other devices must be prepared at the site.	⊙	○
Checking the Gas Amount	Use this function to check for a refrigerant leak from the outdoor unit. * When this function is used, the gas amount checking function of the outdoor unit cannot be used. This function is for CITY MULTI R2 and Y (PUMY is excluded.) Series only.	□	□
Schedule operation	Weekly schedule setting of up to 12 patterns is available. In one pattern, up to 16 settings for "ON/OFF", "Operation mode", "Set Temperature", "Fan speed", "Air flow direction", and "Permit / Prohibit local operation" can be scheduled. Two types of weekly schedules (Summer/Winter) can be set. Today's schedule allows setting of up to 5 patterns.	○	○

* Depending on the installation conditions, power supply unit (PAC-SC51KUA) is required. Please contact your local distributor or MITSUBISHI ELECTRIC branch office for further information.

Centralized Remote Controller

ON/OFF remote controller

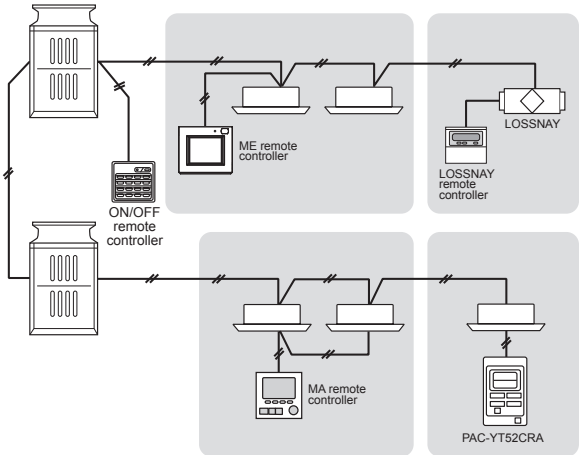
PAC-YT40ANRA

Just press a switch to start. All of the units can be switched ON/OFF by pressing the main switch, and each unit in the group can be switched ON/OFF with individual switches. The PAC-YT40ANRA also has a hardwired connection available (ON/OFF input, fire alarm input, run output, fault output).



Dimensions 130(W) x 120(H) x 19(D) mm
5-1/8(W) x 4-3/4(H) x 3/4(D) in.

System example



○: Each group □: Batch only ×: Not available

Function	Description	PAC-YT40ANRA	
UNITS	Max No.Units	50 units/16 groups	
		Setting	Display
ON/OFF	ON and OFF operation	○	○
Error indication	LED flashes during failure. (The error code can be confirmed by removing the cover.)	×	○
Ventilation operation (Independent)	Group operation of only LOSSNAY units possible. *Only ON/OFF of group.	○	○
Ventilation operation (Interlocked)	The LOSSNAY will run in interlock with the operation of the indoor unit. *The fan rate and mode cannot be changed. The LED will turn ON only during operation after interlocking.	○	○
External input	On and Off operation / Fire Alarm*	□	×
External output	On and Off operation / Faults*	×	□

* Applicable to collective only
Not applicable to groups

Individual Remote Controller

Wired MA remote controller

PAR-41MAAM NEW



Dimensions 120(W) x 120(H) x 14.5(D) mm
4-23/32(W) x 4-23/32(H) x 37/64(D) in.

Highlight display

The screen background can be set to black to suit the ambience of the room.



*Factory setting : White

• Backlit LCD (Liquid Crystal Display)

Large, easy-to-see display
Full-dot LCD display with large characters for easy viewing
Contrast also adjustable

• Night Setback

When the room temperature goes outside of a certain range during the predetermined period, this function automatically starts heating or cooling operation to prevent dew condensation or an excessive temperature increase in the room.

• 3D i-see sensor*

Settings for 3D i-see sensor can be performed.

• Draft reduction*

“Close” has been added to the manual vane angle selection. The air outlet can be closed to reduce drafts from the air conditioner.

• Auto descending panel*

Panels can be lowered/raised using the remote controller. The descending distance of the panel can also be selected.

*The availability of the function depends on the indoor unit model. For details, please contact your local distributor.

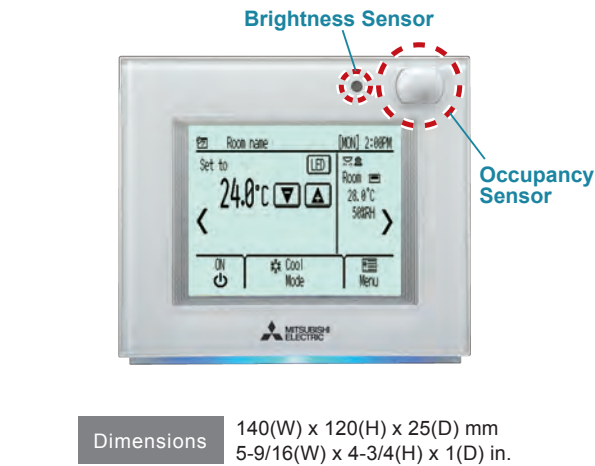
Functions

○: Available ×: Not available

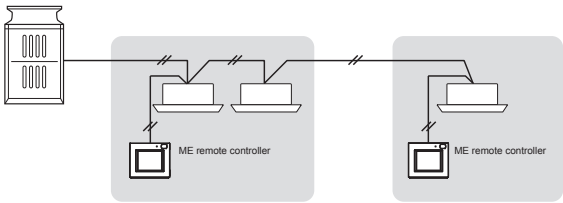
Item	Description	Setting	Display
ON/OFF	Switches between ON and OFF.	○	○
Operation mode switching	Switches between Cool / Dry / Fan / Auto / Heat.	○	○
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	○	○
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	○	○
Louver setting	Switches between louver ON/OFF.	○	○
Ventilation equipment control	Interlocked setting and interlocked operation setting with CITY MULTI LOSSNAY units can be performed. The Stop/Low/High settings of the ventilation equipment can be controlled.	○	○
Error information	When an error occurs, an error code and the unit address appear. Air conditioning unit model, serial number, and contact number can be set to appear when an error occurs. (The above information needs to be entered in advance.) * An error code may not appear depending on the error.	—	○
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 minutes in 10-minute increments.	○	○
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode, temperature, filter sign reset, air direction, fan speed and timer. * While an operation is prohibited, the operation icon lights up (only on the Main display in "Full" mode).	×	○
Operation lock	The following operations can be prohibited: "Location," "ON/OFF," "Mode," "Set temp.," "Menu," "Fan," "Louver," or "Vane."	○	○
Temperature range restriction	The room temperature range for each operation mode can be restricted.	○	○
Auto return	The units operate at the preset temperature after a designated period. (Time can be set to a value from 30 to 120 minutes in 10-minute increments.) * Not valid when the temperature setting range is restricted.	○	×
Daylight saving time	The start / end time for daylight saving time can be set. The daylight saving time function will be activated based on the setting contents.	○	○

Individual Remote Controller

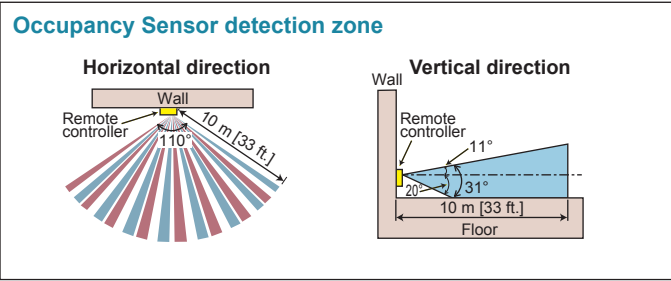
ME remote controller
PAR-U02MEDA



Example of system configuration



- **Occupancy Sensor**
The occupancy sensor detects when the room is empty and provides energy-saving control.
- **Touch Panel & Backlit LCD**
The operation settings screen is a touch panel. When the backlight is off, touching the panel turns on the backlight. The backlight will remain on for a preset length of time.
- **LED Indicator**
The color of the LED indicator indicates operation status. The LED indicator is lit during normal operations, and is not lit when units are stopped. In case of error, the indicator blinks.
- **Brightness Sensor**
The brightness sensor detects brightness in the room and provides energy-saving control.
- **Temperature & Humidity Sensor**
The sensor detects room temperature and relative humidity.



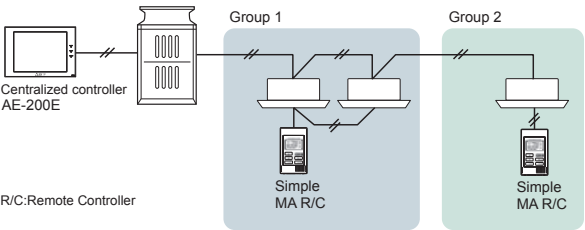
Functions			
Item	Description	Setting	Display
ON/OFF	Switches between ON and OFF.	○	○
Operation mode switching	Switches between Cool / Dry / Fan / Heat / Auto. Operation modes vary depending on the indoor unit model.	○	○
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	○	○
Fan speed setting	Changes fan speed. * Available fan speeds vary depending on the model.	○	○
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	○	○
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode setting, temperature setting, fan speed, air direction, and filter sign reset. * While an operation is prohibited, the operation icon lights up.	×	○
Error information	When an error occurs, an error code and the unit address appear. A contact number can be set to appear when an error occurs. (The information above needs to be entered in the Service menu.)	—	○
Schedule (Weekly timer)	Weekly ON/OFF times, operation mode, and set temperatures can be set. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. * Not valid when the ON/OFF timer is set.	○	○
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 in 10-minute increments.	○	○
Energy-save control during vacancy	When vacancy is detected by the occupancy sensor, the energy-save control assist function is activated. Four control types are available for selection: ON/OFF/Set temperature/Fan speed/Thermo-off. The brightness sensor can be used in conjunction with the occupancy sensor to detect the occupancy/vacancy status more accurately.	○	○

Individual Remote Controller

Simple MA remote controller
PAC-YT52CRA



Example of system configuration



- **Backlit LCD**
Backlight for operation in dark areas
- **Flat back**
Slim and flat type. Hole-free installation on walls
Less than 14.5 mm [19/32 in.] thick.
- **Vane button (standard)**
A vane adjustment button has been added to allow the user to change the direction of the air flow (ceiling-cassette and wall-mounted types).
Pressing the button will switch the vane directions.

* Air flow direction settings will vary depending on the connected indoor unit model.
* For models without a vane adjustment function, air flow direction cannot be set. In such cases, the vane icon blinks when the button is pressed.

- **Only cross-over wiring based on two-wire signal lines is required.**
- **Room temperature sensor is built-in.**
- **Can be used to operate all types of indoor units.**
*As this controller has limited functions, please use it in conjunction with the standard controller or a central controller.
- **LCD temperature settings and display are in 1°C /2°F increments.**

Functions			
Item	Description	Setting	Display
ON/OFF	Switches between ON and OFF.	○	○
Operation mode switching	Switches between Cool / Dry / Fan / Heat / Auto. Operation modes vary depending on the indoor unit model.	○	○
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	○	○
Fan speed setting	Changes fan speed. * Available fan speeds vary depending on the model.	○	○
Vane setting	Switches the vane directions. * The settable vane direction varies depending on the indoor unit model to be connected.	○	○
Permit / Prohibit local operation	By setting a centralized controller, the following local operations can be prohibited: ON/OFF, operation mode, preset temperature. * The CENTRAL icon appears while local operations are prohibited.	×	○
Error	Displays the current error status with the address. * The address may not be displayed depending on the error status.	×	□
Ventilation equipment	When the CITY MULTI indoor unit is connected, interlocked setting of the CITY MULTI LOSSNAY unit is possible. When the Mr. SLIM indoor unit (A-control) is connected, interlocked operation LOSSNAY unit (LGH-R(V) X Type) is possible.	○	○
Set temperature range limit	The preset temperature range can be restricted for each operation mode (COOL/HEAT/AUTO).	○	○

Individual Remote Controller

MA remote controller
PAR-CT01MAA-S



Dimensions 65(W) x 120(H) x 14.1(D) mm
2-9/16(W) x 4-3/4(H) x 9/16(D) in.

User-friendly

Full color touch panel display



Touch Panel



3.5 inch/HVGA
Full Color LCD

- User-friendly**
Large icons are easily visible on the full color touch panel display.
- Flexibility**
Customized display, color of parameter and background, editable parameter on the initial display.

Operation panels



Temperature setting



Operation mode



Fan speed



Vane control



Ventilation



Louver control

Flexibility

Multiple color patterns

180 color patterns can be selected for the display's control parameters or background.

Control parameter customization

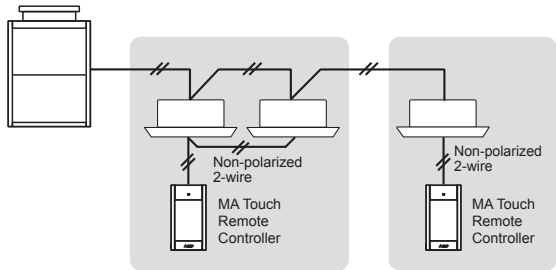
Users can customize the panel to display the selected parameters only.



Available in a wide variety of colors to suit the decor of any room.

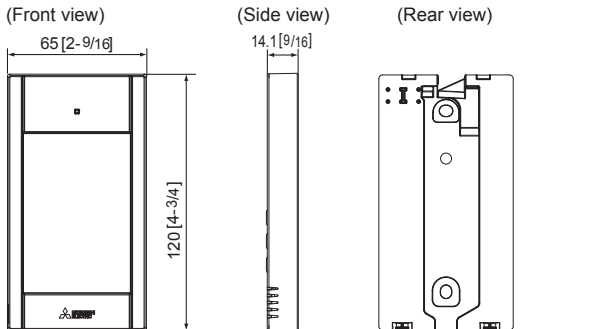


System example



*When a PAR-CT01MAA is connected to a group, no other MA remote controllers can be connected to the same group.

External dimension



Functions

○: Available ×: Not available

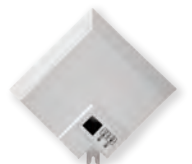
Item	Description	Setting	Display
ON/OFF	Switches between ON and OFF.	○	○
Operation mode switching	Switches between Cool / Dry / Fan / Auto / Heat.	○	○
Temperature setting *	Changes the set temperature. * The settable temperature range varies depending on the indoor unit model. * Temperature will be displayed either in Celsius in 0.5- or 1-degree increments, or in Fahrenheit, depending on the indoor unit model and the display mode setting on the remote controller.	○	○
Relative temperature display	Changes the target temperature by selecting the temperature difference (between +3 and +5°C or -3 and -5°C, in 1°C increments) between the preset reference temperature and the target temperature in the cool, dry, heat, or auto (single set point) mode. *The temperature can only be set to a value within the operation temperature range of the indoor unit. *When the relative temperature display is selected, certain restrictions apply to the system controller functions. *The reference temperature needs to be set to each operation mode.	○	○
Fan speed setting	Changes fan speed. * Available fan speeds vary depending on the model.	○	○
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	○	○
Louver setting	Switches between louver ON/OFF.	○	○
Ventilation equipment control	Interlocked setting and interlocked operation setting with CITY MULTI Lossnay units can be performed. The Stop/Low/High settings of the ventilation equipment can be controlled.	○	○
Daylight saving time	The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the settings.	○	×
Error information	When an error occurs, an error code and the unit address appear. Air conditioning unit model, serial number, and contact number can be set to appear when an error occurs. (The information above needs to be entered in advance.) * An error code may not appear depending on the error.	—	○
Touch panel	The touch panel can be cleaned and calibrated.	—	○
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 minutes in 10-minute increments.	○	○
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode setting, temperature setting, and filter sign reset. * While an operation is prohibited, the operation icon lights up (only on the Main display in "Full" mode).	×	○
Operation lock	The following operations can be prohibited: "Location," "ON/OFF," "mode," "Set temp.," "Menu," "Fan," "Louver," or "Vane."	○	○
Temperature range restriction	The room temperature range for each operation mode can be restricted.	○	○
Auto return	The units operate at the preset temperature after a designated period. (Time can be set to a value from 30 to 120 minutes in 10-minute increments.) * Not valid when the temperature setting range is restricted.	○	×
Design	The color of the screen can be changed.	○	○

Wireless remote controller



PAR-FL32MA

Dimensions
58(W) x 159(H) x 19(D) mm
[2-5/16(W) x 6-5/16(H) x 3/4(D) in.]



PAR-SE9FA-E
(PLFY-P VEM-PA signal receiver)

Dimensions
273(H) x 29(D) mm



PAR-SL101A-E
(PLFY-P VEM-PA, PLFY-P VFM-E1, PKFY-P VLM-E only)

Dimensions
66(W) x 188(H) x 22(D) mm
[2-5/8(W) x 7-13/32(H) x 7/8(D) in.]



PAR-SF9FA-E
(PLFY-VFM-E1 signal receiver)

Dimensions
214(H) x 25.5(D) mm



PAR-FA32MA

Dimensions
70(W) x 120(H) x 22.5(D) mm
[2-3/4(W) x 4-3/4(H) x 7/8(D) in.]

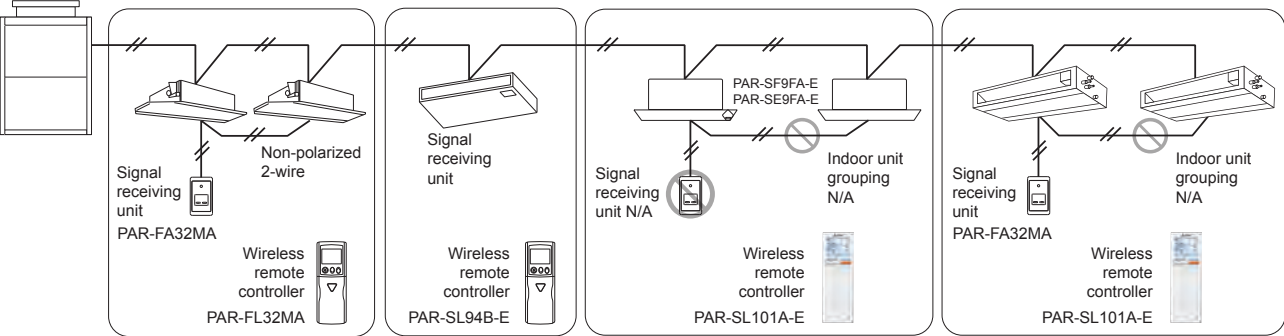


PAR-SL94B-E*/PAR-SR2MA-E
(Wireless remote controller kit for ceiling-suspended type)
* PAR-SL94B-E includes transmitter.

Dimensions
182(W) x 57(H) x 31(D) mm/
58(W) x 159(H) x 19(D) mm
[7-3/16(W) x 2-1/4(H) x 1-1/4(D) in.]/
[2-5/16(W) x 6-5/16(H) x 3/4(D) in.]

- No need to configure addresses for group operation
- Lit LED keeps you informed of operation - the LED also provides you with error codes via the number of blinks
- Can be used with the MA remote controller
 - *When used in group configurations, wiring between indoor units is required.
 - *Combining ME remote controller and/or LOSSNAY remote controller in a group is not possible.
- Multiple indoor units cannot be controlled from the PAR-SL101A-E
Only one indoor unit can be used in each group
- LCD temperature setting and display in 1°C /2°F increments

System configuration example



BACnet®

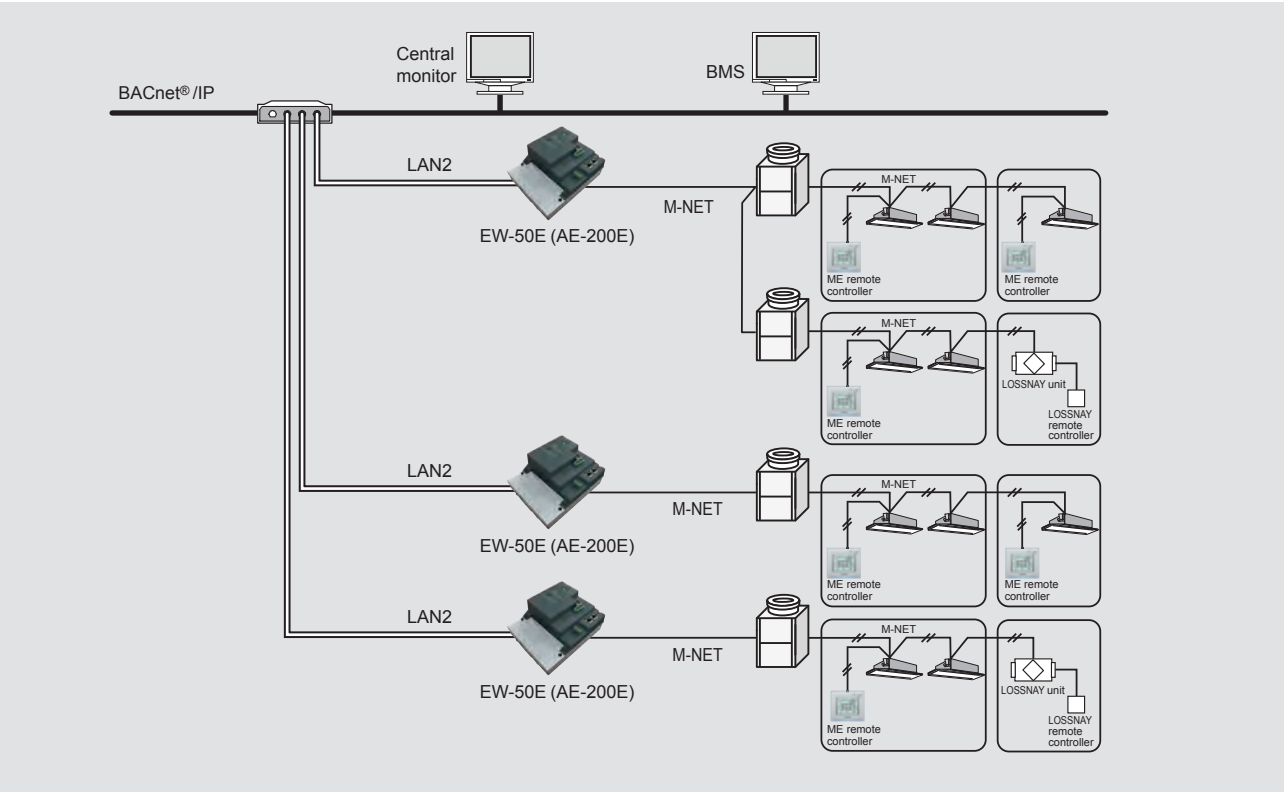
CITY MULTI can easily combine into a Building Management System (BMS) via EW-50E (AE-200E). BACnet® is an open transmission protocol widely used at BMS, and related equipment control. CITY MULTI is compatible with large-scaled BMS management via BACnet®.



EW-50E (AE-200E) can control up to 50 units/groups (including LOSSNAY).

*To use the BACnet® function on EW-50E (AE-200E), BACnet® license registration is required.

System example



BACnet® and M-NET Function

FUNCTION	CONTENT
Operation	
ON/OFF	ON/OFF
Mode	Cool/Dry/Heat/Auto/Fan
Fan Speed	Low-Mid2-Mid1-High-Auto
Air Direction	Horizontal-60%-80%-100% swing
Set Temperature	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.
Filter Sign Reset	Normal/Reset
Permit/Prohibit	ON/OFF, Mode, Filter sign reset, Set temp, Fan speed
Forced Off	Reset/Execute
Ventilation Mode	Heat Recovery/Bypass/Auto
Air to Water Mode	Heating/ECO/Hot Water/Antifreeze/Cooling

FUNCTION	CONTENT
Monitoring	
ON/OFF	ON/OFF
Mode	Cool/Dry/Heat/Auto/Fan
Fan Speed	Low-Mid2-Mid1-High-Auto
Air Direction	Horizontal-60%-80%-100% swing
Set Temperature	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.
Filter Sign	ON/OFF
Permit/Prohibit	ON/OFF, Mode, Filter sign reset, Set temp, Fan speed
Indoor Temperature	Temperature
Alarm Signal	Normal/Error
Error Code	2 Character code- Indicates all unit alarms
Error Code Detail	4 Character code- Indicates all unit alarms
Communication State	Normal/Error
Ventilation Mode	Heat Recovery/Bypass/Auto
Air to Water Mode	Heating/ECO/Hot Water/Antifreeze/Cooling
Apportioned Electric Energy	Group, Interlocked Units 0.1 kWh
PI controller Electric Energy	0.1 kWh
Apportionment Parameter	Available*
Night Purge State	ON/OFF
Thermo On/Off State	ON/OFF
External Heat Source State	ON/OFF
Trend Log	Indoor Temp, Apportioned Electric Energy, PI controller Electric Energy, Apportionment Parameter

* To use this function, the license to charge, AE-200E (not connected to the M-NET), PI controller, watt-hour meter with pulse transmitter (locally available one) are required.