

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

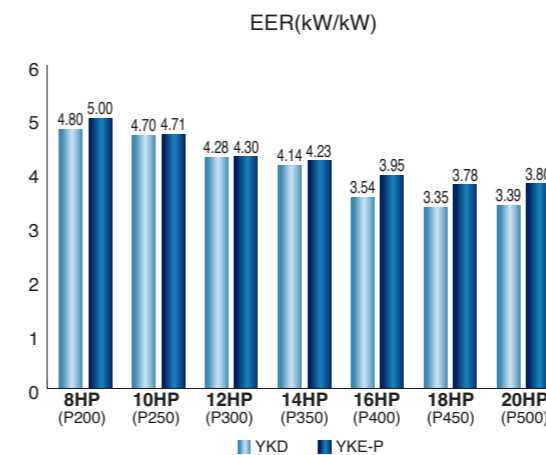
High installation flexibility

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

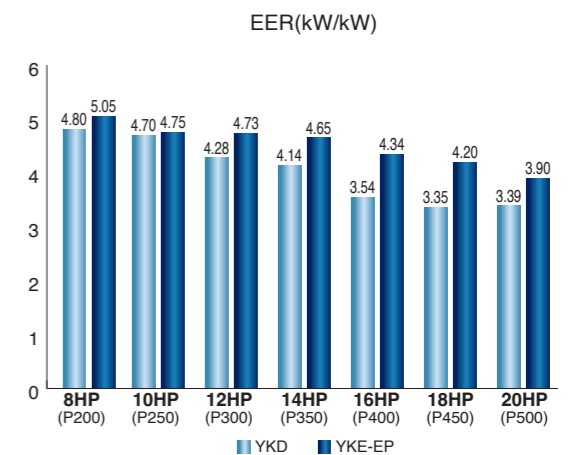
Higher EER ratings Improved ratings for all models

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.

PUCY-P Standard (Cooling only)

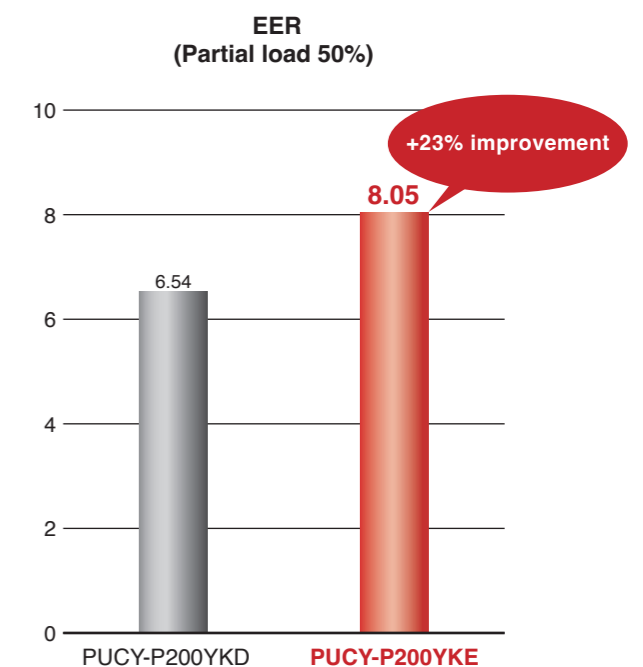
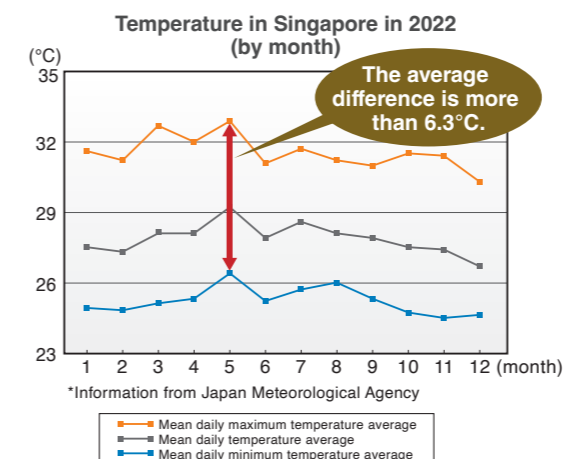
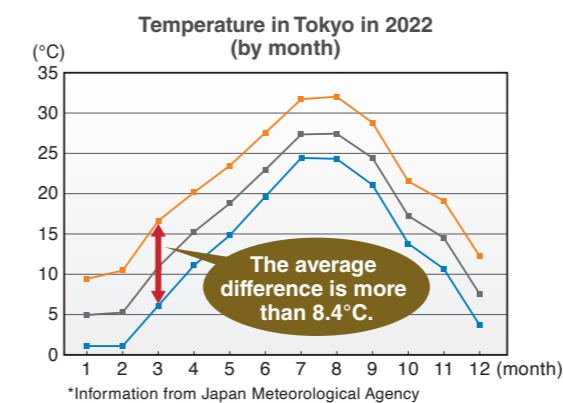


PUCY-EP High efficiency (Cooling only)



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

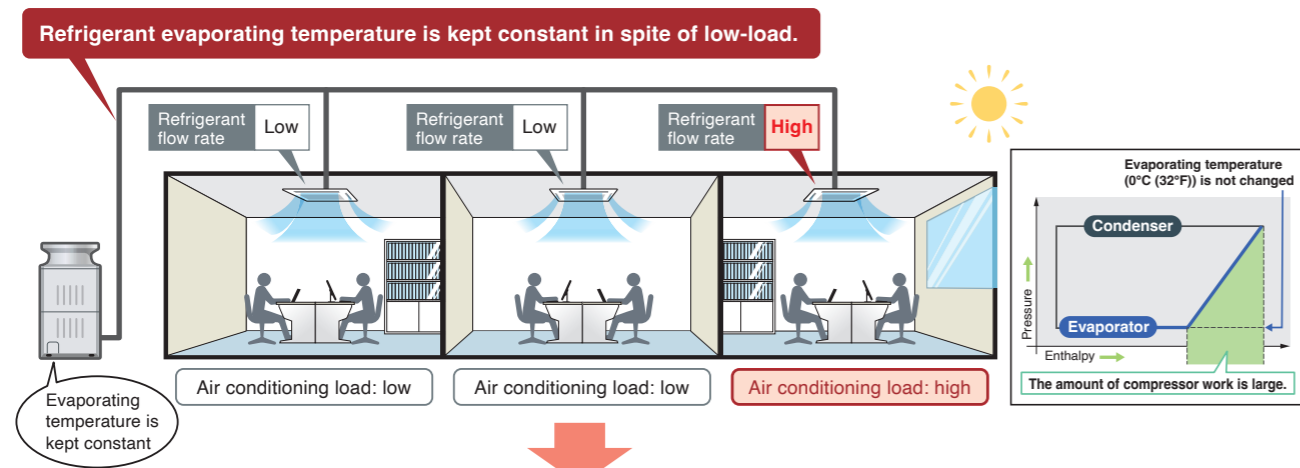
In addition to the basic energy saving design, energy saving assist functions can be activated easily via DIP switch settings. This allows matching the equipment to various installation patterns.

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

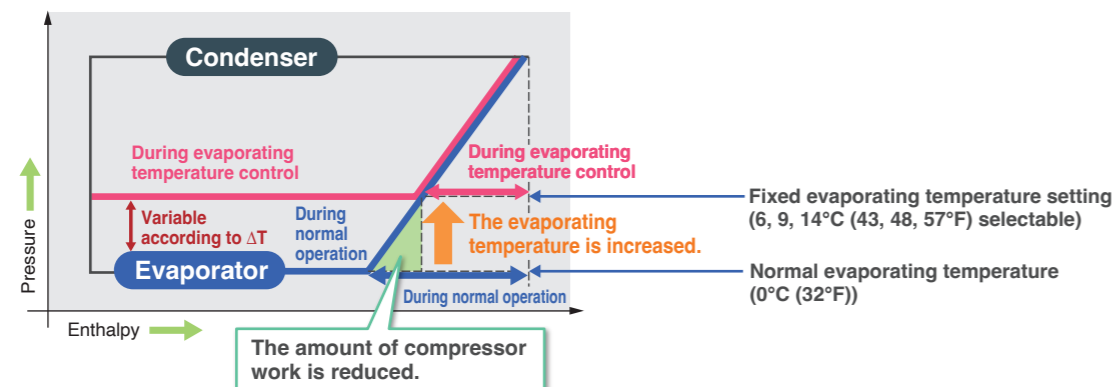
The YKE and YKD series supports evaporating temperature control which adjusts the refrigerant evaporating temperature. Two control methods are available: fixed control and automatic shift control.

* 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)



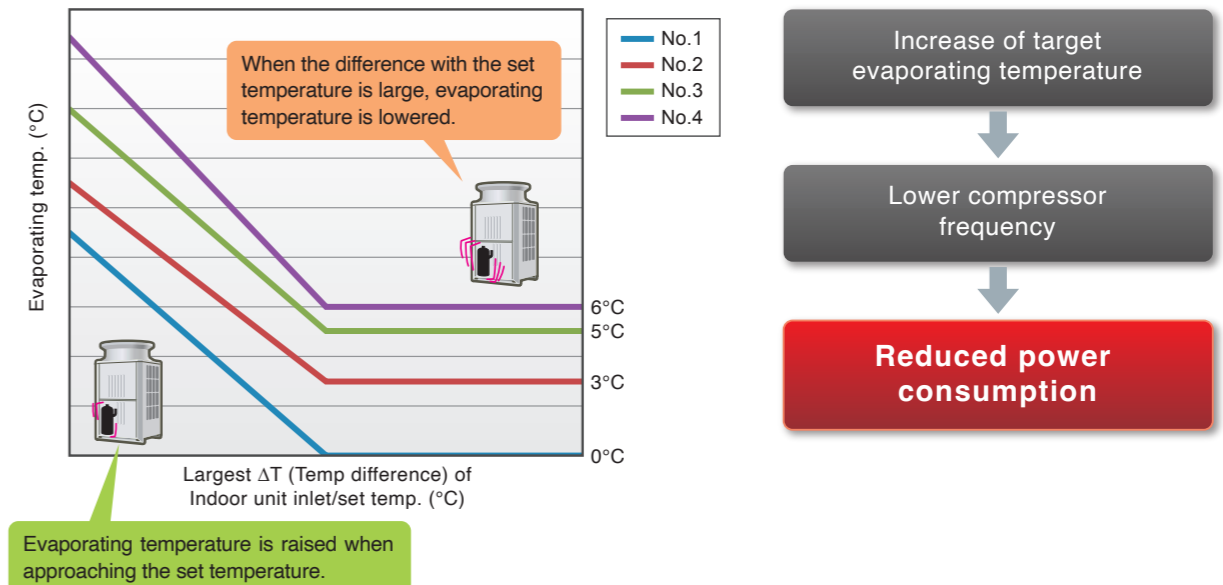
* Because evaporating temperature will constantly be higher, cooling capacity is reduced, which may result in the room not reaching the set temperature.
 * To change the evaporating temperature setting, it is necessary to change the setting of the DIP switch on the outdoor unit.

2. Automatic shift control

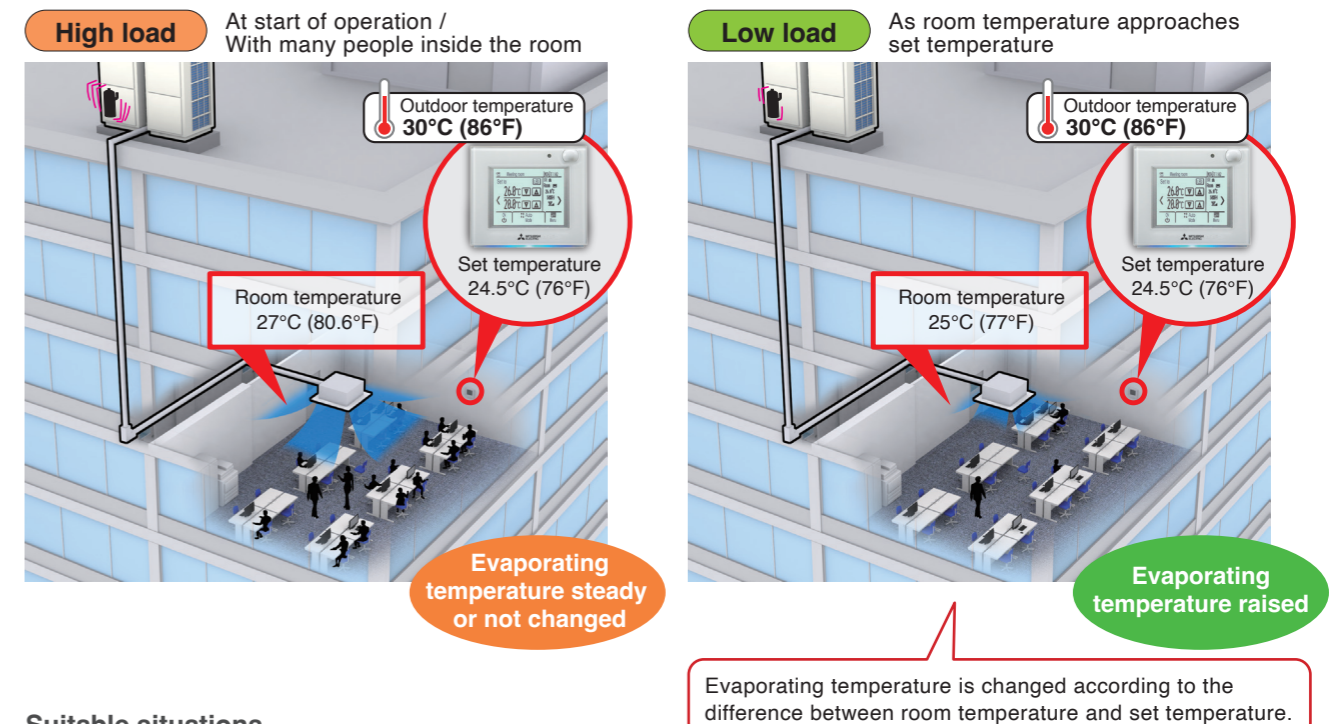
Evaporating temperature is shifted according to the air conditioning load (ΔT). When approaching the set temperature, evaporating temperature is raised to reduce compressor workload and save energy. Four control patterns can be selected.

Concept of evaporating temperature control (automatic shift control)

4 patterns for setting target evaporating temperature

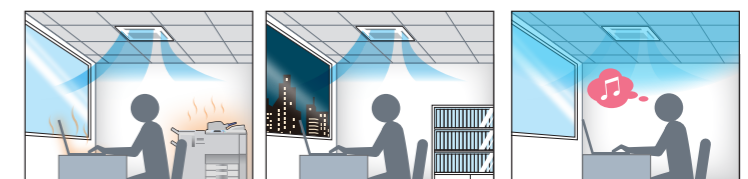


*1 To activate evaporating temperature control, use terminal external input.
 *2 To change the evaporating temperature setting, it is necessary to change the setting of the DIP switch on the outdoor unit.



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

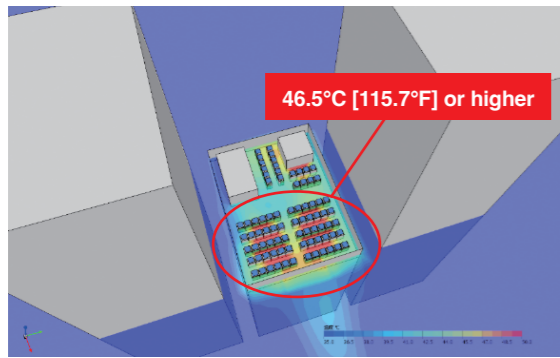


In built-up areas with a high density of buildings, winds may be blocked, causing an accumulation of warm air in the vicinity of the outdoor unit. Because the operation range of the YKE series has been guaranteed up to 52°C (126°F), operation will remain stable even in such situations.

Example of flow analysis

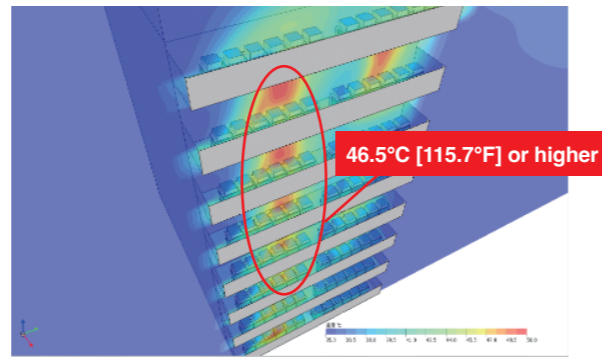
■ Conditions : Outdoor air temperature = 35°C (DB), Room temperature = 27°C (DB)

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.

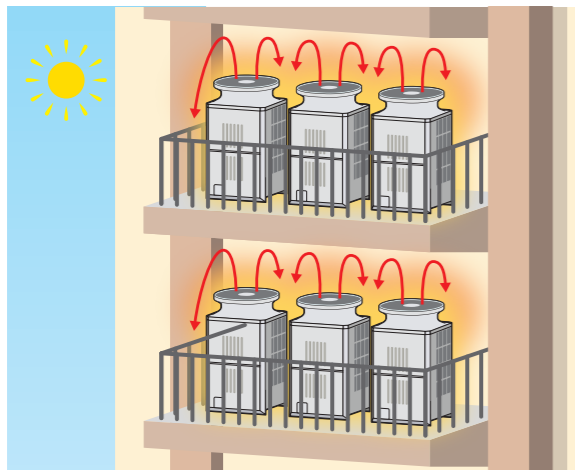
Cooling even under high outside temperature

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

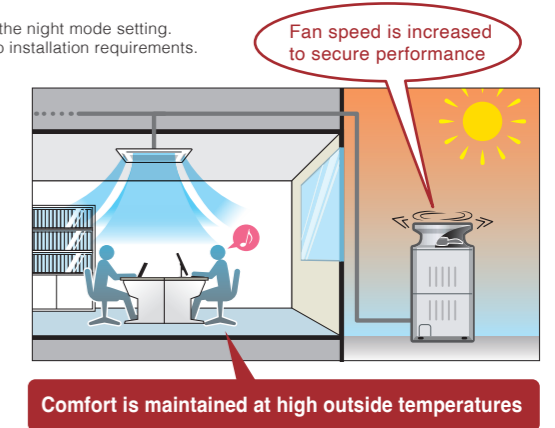
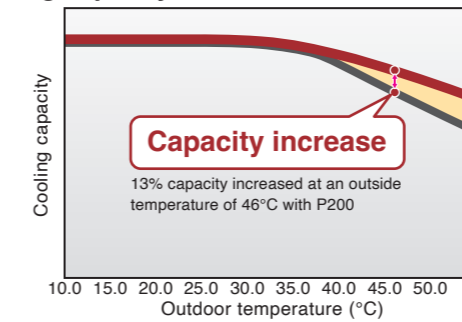
Capacity assist mode



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%

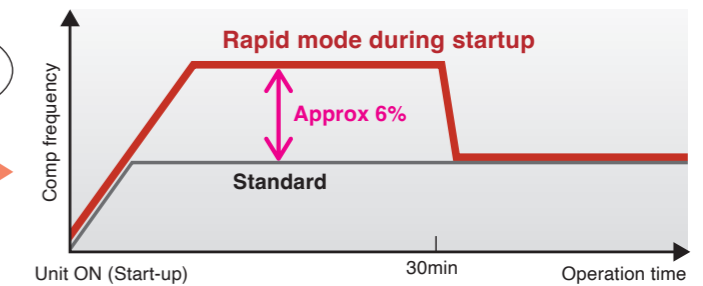
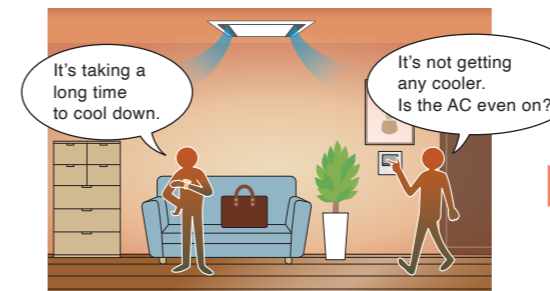


Rapid mode during startup (Quick-start up)



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.

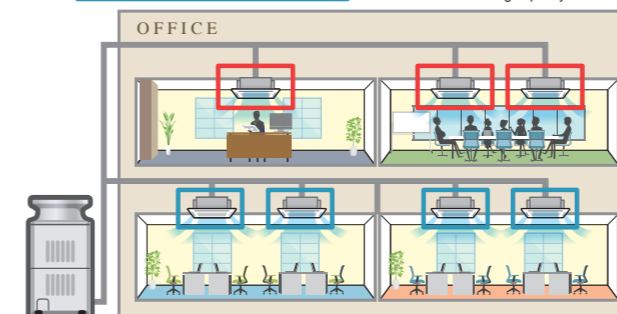
Priority Cooling Function



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

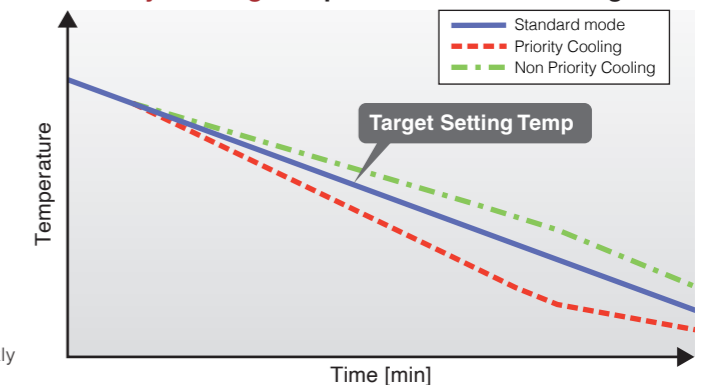
* Up to 3 indoor units can be prioritized
 * Maximum 20% capacity of thermo-ON indoor units

Priority Indoor Units * The room temp with Priority Cooling Indoor Units decreases faster
Non-Priority Indoor Units * 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

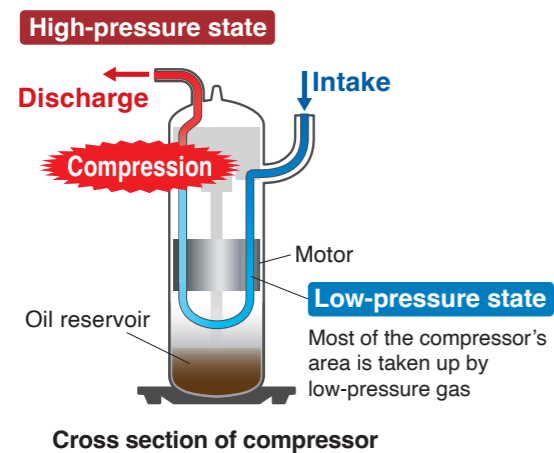


High reliability

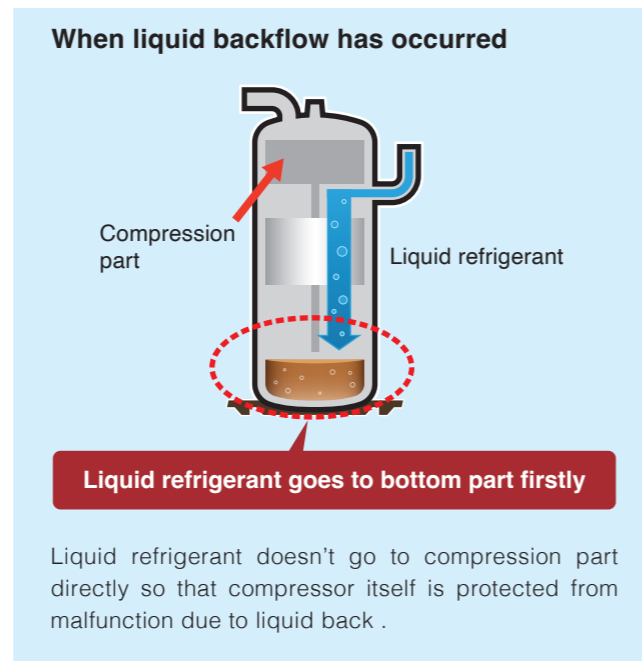
1. Compressor

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



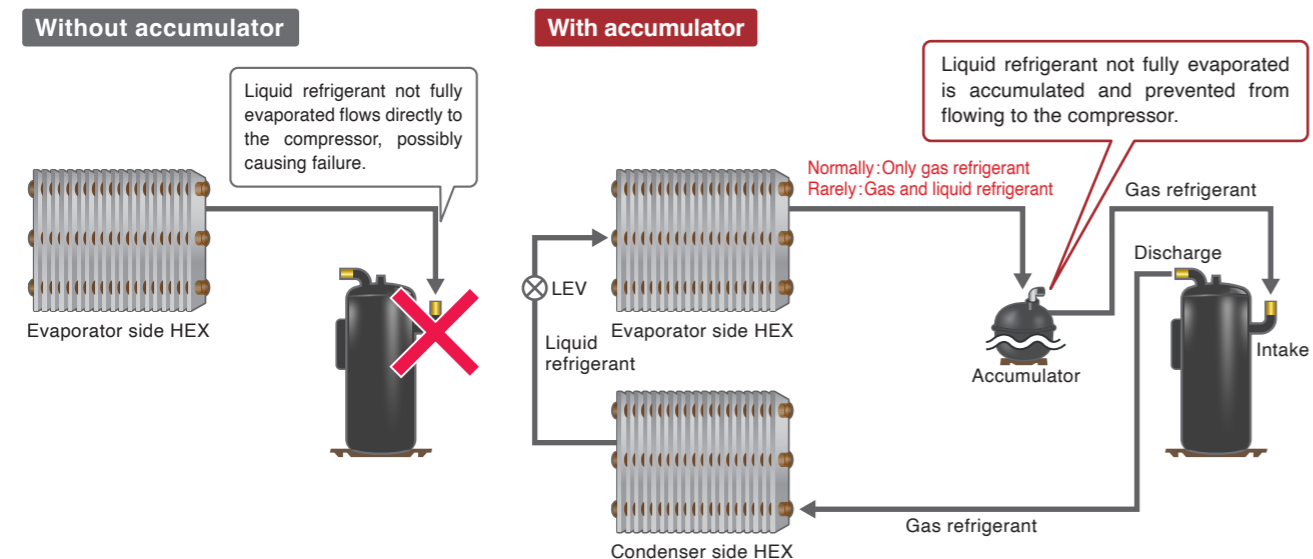
Most of the area in the compressor is taken up by the low-pressure gas. This prevents the motor and bearings from being heated up by the compressed high-pressure gas. The refrigerant is collected at the bottom of the shell to reduce the rate of compressor damage caused by liquid refrigerant compression.



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.



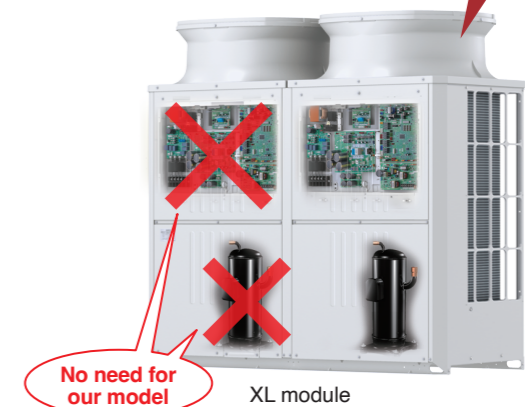
Operation with one compressor up to 20HP.

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

1 compressor model



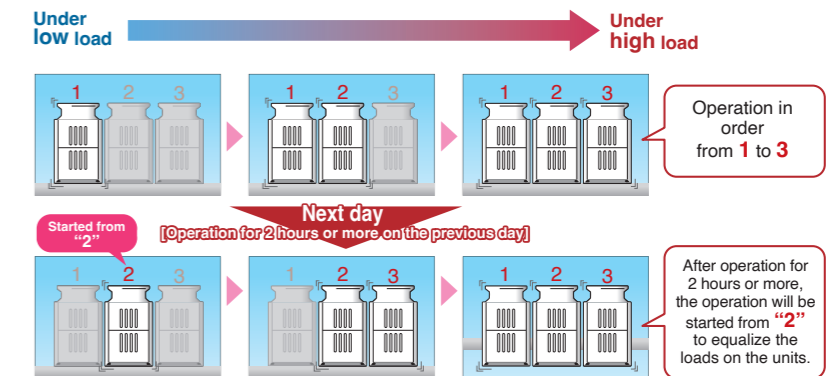
Lower number of required key parts reduces maintenance requirements



Rotation control

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

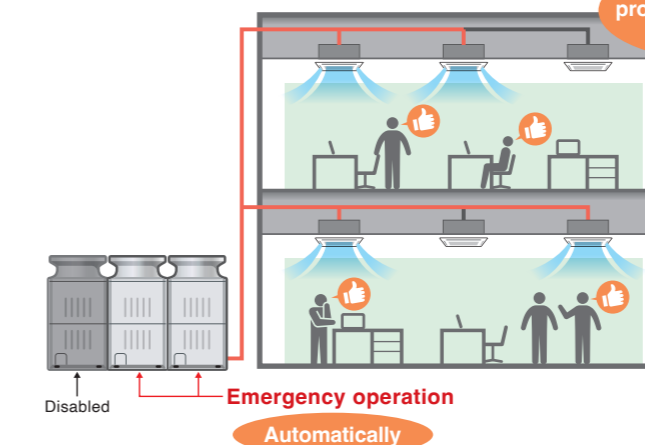
After operation for 2 hours or more, the next operation will be started from the outdoor unit "2." The unit to be started first is changed to equalize the operating time of the units.



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



Even when one unit has fallen in a malfunction, other outdoor units continue to operate.

* 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

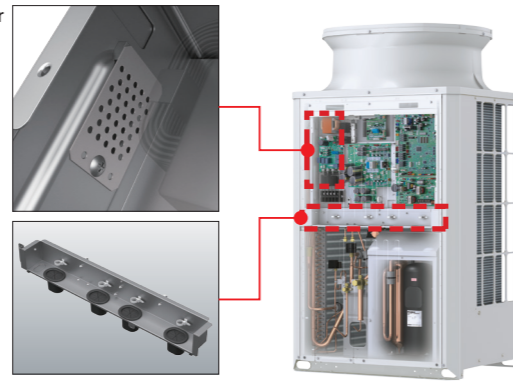
2. Electric parts

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.

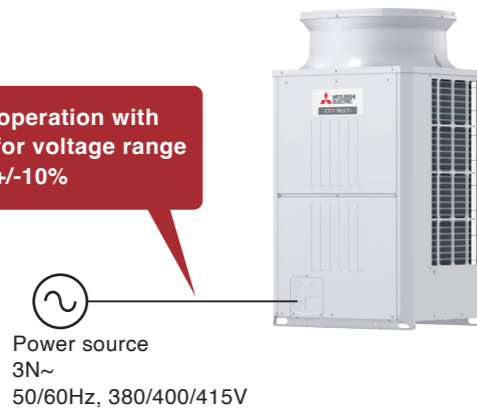


Preventative measure has also been adopted on the bottom of the control board to prevent geckos entering.

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 $\pm 10\%$

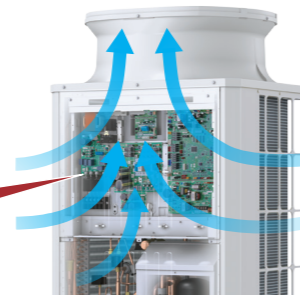


* When used 380V, operation is guaranteed even for voltages of up to maximum +20%

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.

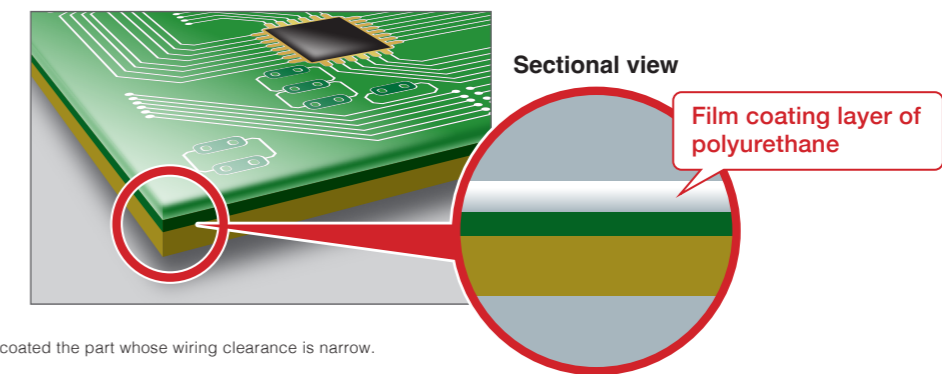
3. Corrosion resistance

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)

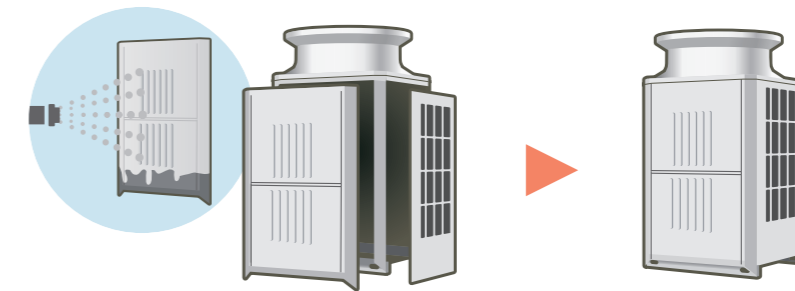
The printed circuit boards are protected by a film coating of polyurethane that covers the entire board to ensure resistance against salt corrosion.



* 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

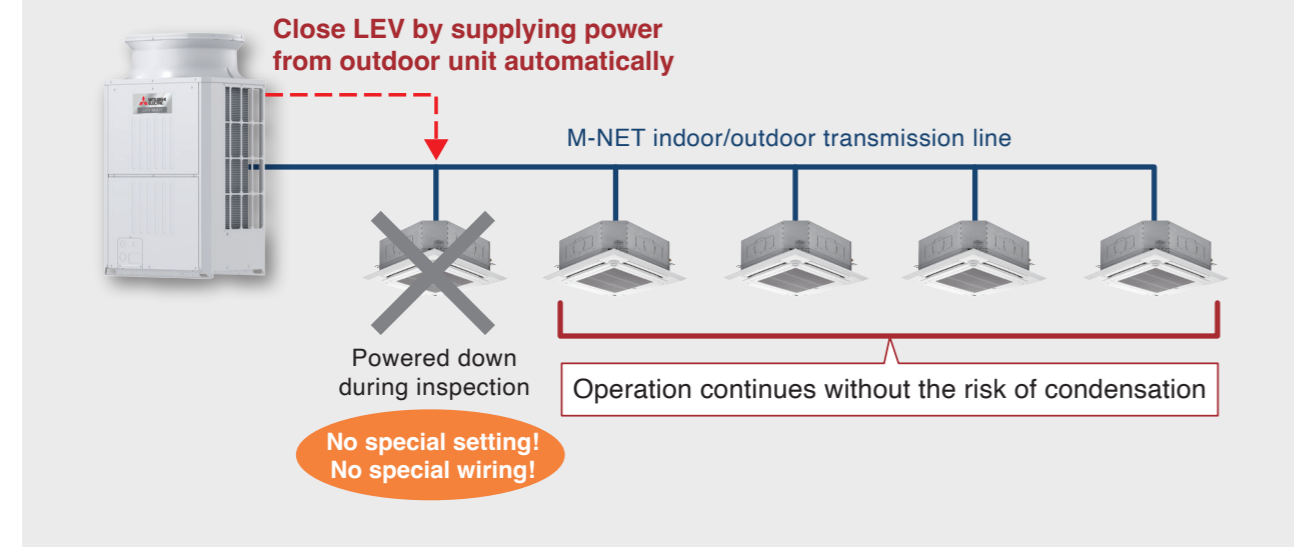
4. Operation support function

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.

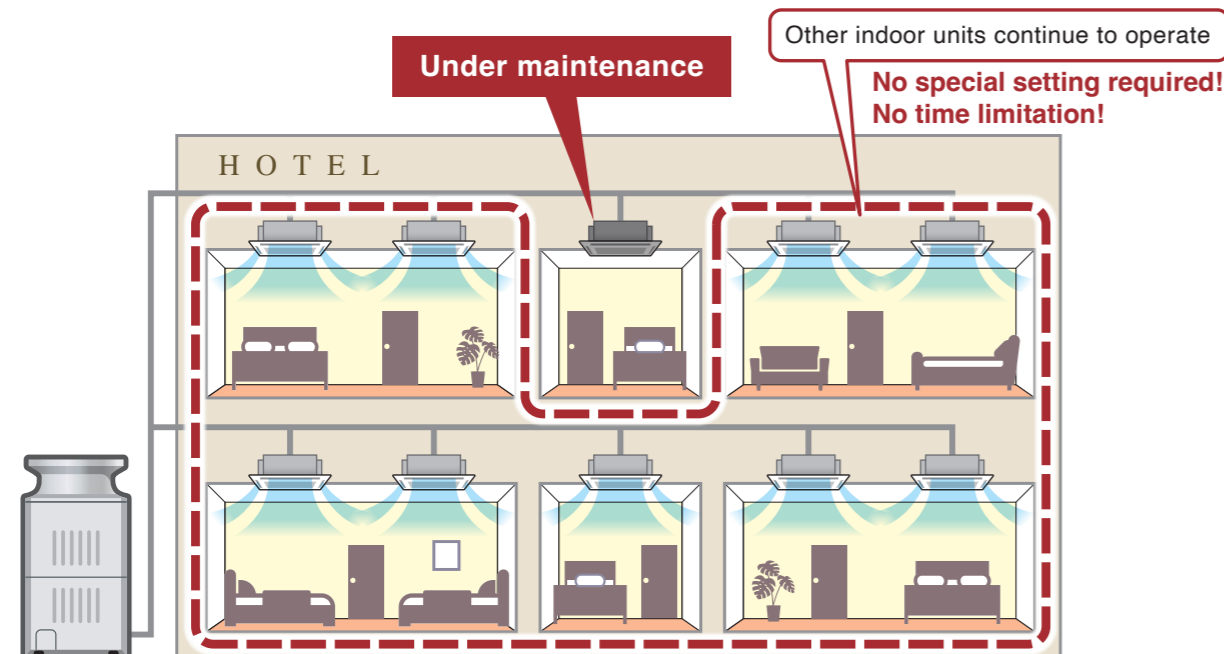
With M-NET indoor/outdoor unit communication function (CITY MULTI)

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.

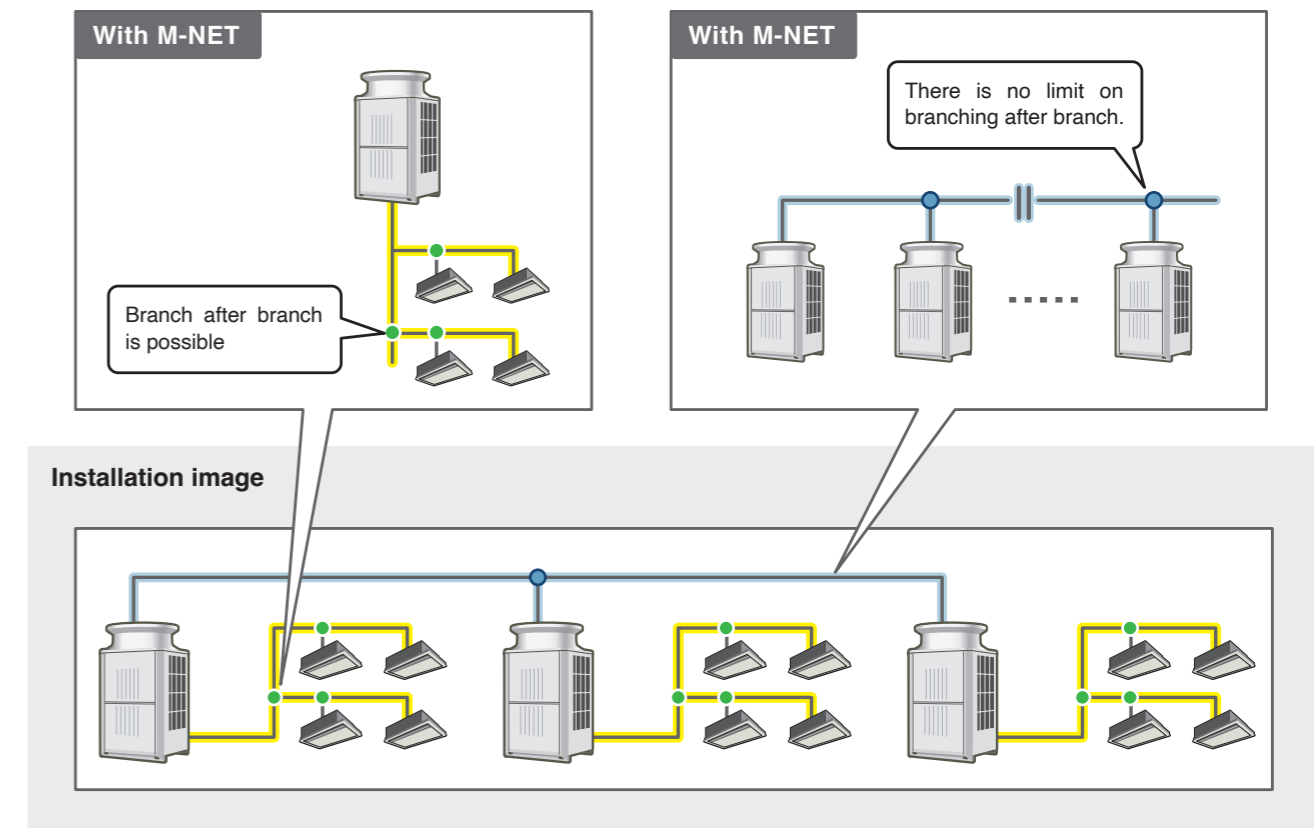


High installation flexibility

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.

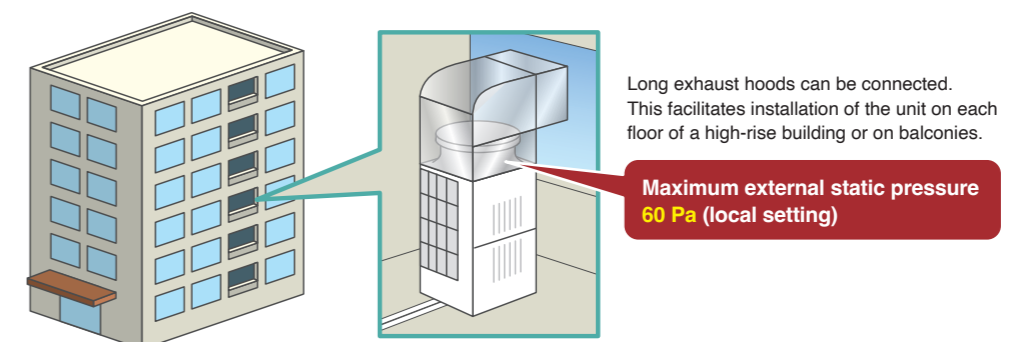


* The maximum power-supply distance of M-NET communication is 200 meters, a booster unit is required over 200 meters. Regarding maximum distance to the farthest device, please refer to "Explanatory material for M-NET 1000 m."

2. Flexible external static pressure setting

Selectable external static pressure of the outdoor unit

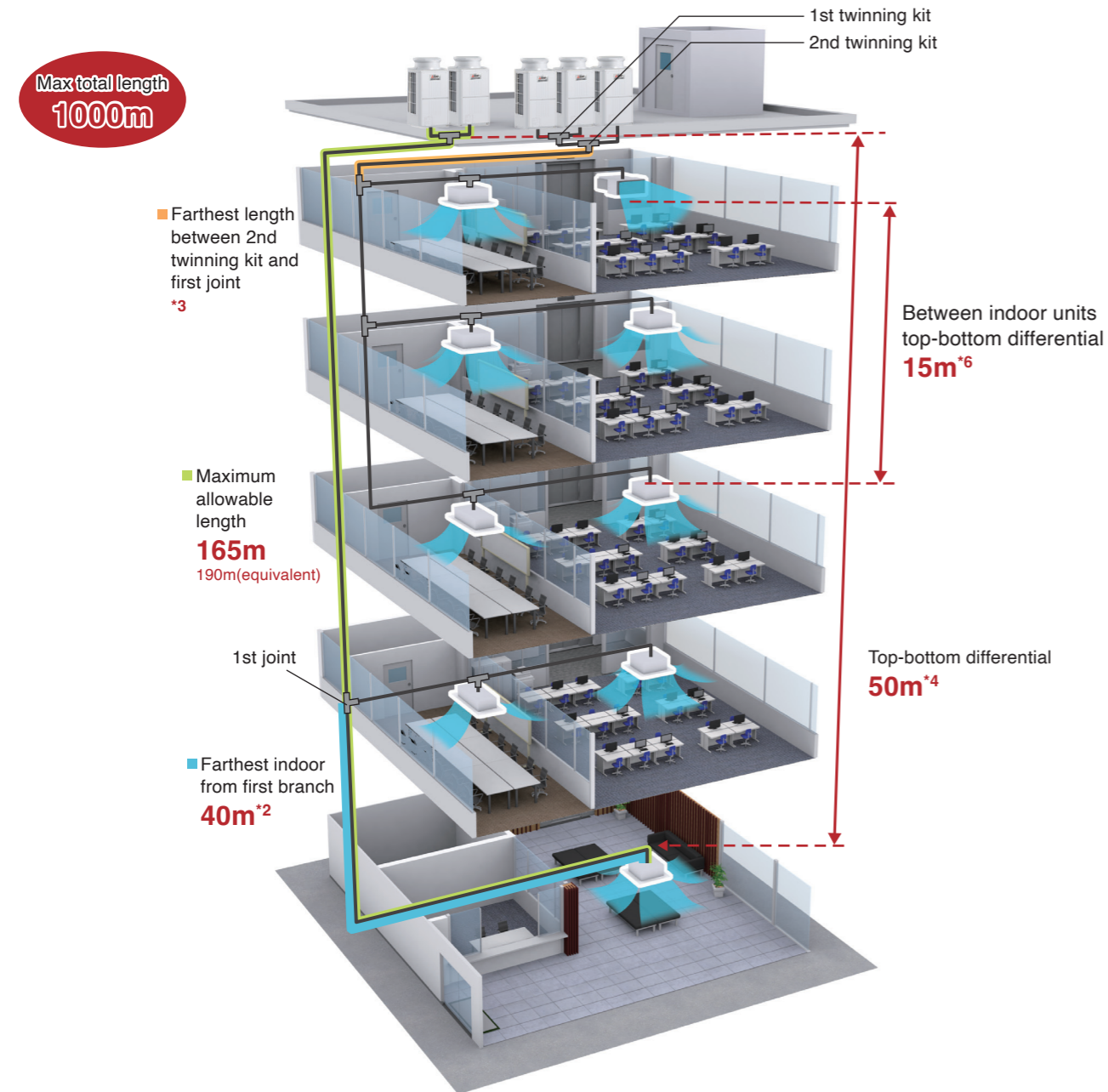
The static pressure specification of the outdoor unit can be selected (0, 30, 60 Pa). This facilitates installation of the unit on each floor of a high-rise building or on balconies.



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 quite 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)



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	
	BTU/h	76,400	97,200	114,300	
	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	
	EER	5.00	4.71	4.30	
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	1~17	1~21	1~26	
Sound pressure level (measured in anechoic room)	dB <A>	57.0	58.0	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	22.2 (7/8) Brazed	
Fan	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m³/min	150	150	210
		L/s	2,500	2,500	3,500
		cfm	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		
Compressor	*2 External static press.	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	
	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	mm 1,650 x 920 x 740	mm 1,650 x 920 x 740	
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)	
Net weight	kg (lbs)	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	
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	
Energy 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-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	
	BTU/h	150,100	163,800	
	Power input kW	11.12	12.67	
	Current input A	18.7-17.8-17.1	21.3-20.3-19.5	
	EER	3.95	3.78	
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	1~34	1~39	
Sound pressure level (measured in anechoic room)	dB <A>	63.5	64.0	
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	
	Air flow rate	m³/min	250	320
		L/s	4,167	4,167
		cfm	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		
Compressor	*2 External static press.	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	
	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	mm 1,650 x 1,220 x 740	
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)	
Net weight	kg (lbs)	207 (457)	260 (574)	
Heat exchanger		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	
Energy 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)



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	
	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		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
Motor output		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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter		Inverter		Inverter	
	Motor output		4.3		5.8		4.3		7.3		4.3	
	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>		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	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 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 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)		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		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)	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)	170 (375)	170 (375)	170 (375)	207 (457)	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		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	9.52 (3/8) Brazed	15.88 (5/8) 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	22.2 (7/8) 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-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-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		
Energy 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-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	
	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		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
Motor output		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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter		Inverter		Inverter		Inverter		Inverter	
	Motor output		4.3		10.0		5.8		10.0		8.7	
	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>		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 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 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 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)		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		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 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)	170 (375)	207 (457)	170 (375)	207 (457)	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		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	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	
	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	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-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		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Energy 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)



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	25.06	26.74	28.88	
		Current input	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-P500YKE (-BS)		
Fan	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m³/min	250	250	250	320	
		L/s	4,167	4,167	4,167	5,333	
		cfm	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 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		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW	8.7	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>		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 1,750 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 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 6.0 kg (14 lbs)	
Net weight	kg (lbs)	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	
	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	
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	
Energy 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-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	31.02	29.33	30.91	
		Current input	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-P300YKE (-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		
	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		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 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	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)	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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor				
	Starting method	Inverter		Inverter		Inverter		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>		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 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 920 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 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)		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		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 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)	260 (574)	260 (574)	170 (375)	170 (375)	207 (457)	170 (375)	207 (457)	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		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	15.88 (5/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) 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	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) 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		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				
Energy 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		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
EER		kW/kW	3.84	3.75
	Temp. range of cooling	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	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>	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		
	Air flow rate	m ³ /min	210	250	250	250	
		L/s	3,500	4,167	4,167	4,167	
	cfm	7,415	8,828	8,828	8,828	8,828	
Control, Driving mechanism	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.	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					
Compressor	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW	7.3	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	
	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)	
	Net weight	kg (lbs)	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	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	and distributor	Gas pipe	mm (in.)	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			Outdoor Twinning kit: CMY-Y300/BK3			
	Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			
Energy Labelling Scheme	Header: CMY-Y104/108/1010-G			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 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		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
EER		kW/kW	3.69	3.64
	Temp. range of cooling	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	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		2~50	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		
	Air flow rate	m ³ /min	250	250	250	250	
		L/s	4,167	4,167	4,167	4,167	
	cfm	8,828	8,828	8,828	8,828	8,828	
Control, Driving mechanism	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.	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					
Compressor	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW	8.7	8.7	10.0	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	
	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)	
	Net weight	kg (lbs)	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	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	and distributor	Gas pipe	mm (in.)	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			Outdoor Twinning kit: CMY-Y300/BK3			
	Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			
Energy Labelling Scheme	Header: CMY-Y104/108/1010-G			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 Standard type

PUCY-P YSKE (-BS)



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		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
	Current input	A	67.7-64.3-62.0	71.4-67.8-65.4
	EER	kW/kW	3.59	3.59
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		2~50	2~50
Sound pressure level (measured in anechoic room)		dB <A>	69.0	69.5
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-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 2	
	Air flow rate	m ³ /min	250	250	250	320	
		L/s	4,167	4,167	4,167	5,333	
		cfm	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 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	
	Motor output	kW	10.0	10.0	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 1,750 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 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 6.0 kg (14 lbs)	
	Net weight	kg (lbs)	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			
	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
Pipe between unit and distributor	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	
	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		
Energy Labelling Scheme	Fair		Fair		Fair		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4923 32818 kWh		4923 32818 kWh		4923 32818 kWh		

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-P1450YSKE (-BS)		PUCY-P1500YSKE (-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	160.0	168.0
		BTU/h	545,900	573,200
	Power input	kW	44.44	46.53
	Current input	A	75.0-71.2-68.6	78.5-74.6-71.9
	EER	kW/kW	3.60	3.61
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		2~50	2~50
Sound pressure level (measured in anechoic room)		dB <A>	69.5	70.0
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-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	
	Air flow rate	m ³ /min	250	320	320	320	
		L/s	4,167	5,333	5,333	5,333	
		cfm	8,828	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	
*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	
	Motor output	kW	10.0	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	
	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	
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)	
	Net weight	kg (lbs)	207 (457)	260 (574)	260 (574)	260 (574)	260 (574)
Heat exchanger	Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			
	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
Pipe between unit and distributor	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	
	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		
Energy Labelling Scheme	Fair		Fair		Fair		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4413 29421 kWh		4413 29421 kWh		4413 29421 kWh		
	4923 32818 kWh		4923 32818 kWh		4923 32818 kWh		

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	150	150	150	150	150	150
		L/s	2,500	2,500	2,500	2,500	2,500	2,500	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	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		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	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)	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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		Inverter		Inverter		Inverter		
	Motor output	kW	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
	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>		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	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	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)		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		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)	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)	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		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	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	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		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		
Energy 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	210	210	210
		L/s	2,500	3,500	3,500	3,500	3,500	3,500	3,500
		cfm	5,296	7,415	7,415	7,415	7,415	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		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	
*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)	
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	5.8	7.3	7.3	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>		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	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	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)		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 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)	170 (375)	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		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	
	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	
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		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-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)



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	
		kW	18.84	20.61	22.45	
		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	
	Air flow rate	m³/min	150	150	210	150	150	210	150	210
		L/s	2,500	2,500	3,500	2,500	2,500	3,500	2,500	3,500
		cfm	5,296	5,296	7,415	5,296	5,296	7,415	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	
*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)	
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method	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	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 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)	
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	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
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			
Energy 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-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	
		kW	24.34	26.35	28.09	
		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	
	Air flow rate	m³/min	150	150	210	150	150	210	150	210
		L/s	2,500	2,500	3,500	2,500	2,500	3,500	2,500	3,500
		cfm	5,296	5,296	7,415	5,296	5,296	7,415	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	
*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)	
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method	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
	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 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)	
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	
	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
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			
Energy 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		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	28.91	31.63		
Current input	48.8-46.3-44.6		53.3-50.7-48.8		
EER	4.15		3.92		
Temp. range of cooling	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	1~50		1~50	
Sound pressure level (measured in anechoic room)	dB <A>	66.0		67.0	
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-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	
	Air flow rate	m ³ /min	210	210	210	210	250
		L/s	3,500	3,500	3,500	3,500	4,167
		cfm	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	0.92 x 1			0.92 x 1			
*2 External static press.	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		
	Motor output	7.3			7.3		
	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>			
	External dimension H x W x D	1,650 x 1,220 x 740			1,650 x 1,220 x 740		
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)	
Net weight	kg (lbs)	207 (457)			207 (457)		
Heat exchanger	Salt-resistant corrugated fin & aluminium alloy tube			Salt-resistant corrugated fin & aluminium alloy tube			
	Liquid pipe	12.7 (1/2) Brazed			12.7 (1/2) Brazed		
Pipe between unit and distributor	Gas pipe	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		
Energy 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			
Cooling capacity (Nominal)	*1					
	kW	22.4	28.5	33.5		
	BTU/h	76,400	97,200	114,300		
	Power input	4.43	6.00	7.08		
Current input	7.4-7.1-6.8		10.1-9.6-9.2			
EER	5.05		4.75			
Temp. range of cooling	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	1~17		1~21		
Sound pressure level (measured in anechoic room)	dB <A>	57.0		58.0		
Refrigerant piping diameter	Liquid pipe	9.52 (3/8) Brazed		9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)		
	Gas pipe	22.2 (7/8) Brazed		22.2 (7/8) Brazed		
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m ³ /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			
Motor output	0.92 x 1		0.92 x 1			
*2 External static press.	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		
	Motor output	2.9		4.3		
	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>			
	External dimension H x W x D	1,650 x 920 x 740		1,650 x 920 x 740		
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 3.0 kg (7 lbs)		
Net weight	kg (lbs)	170 (375)		247 (545)		
Heat exchanger	Salt-resistant corrugated fin & aluminium alloy tube		Salt-resistant corrugated fin & aluminium alloy tube			
	Liquid pipe	12.7 (1/2) Brazed		12.7 (1/2) Brazed		
Pipe between unit and distributor	Gas pipe	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		
	Optional parts	Outdoor Twinning kit: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		
Energy 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	14.33			
		A	17.1-16.2-15.6	19.2-18.3-17.6	24.1-22.9-22.1			
		EER	4.34	4.20	3.90			
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 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	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)		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		
Energy 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		
		BTU/h	152,900	173,700	194,500		
	Power input	kW	9.35	10.94	12.63		
		A	15.7-14.9-14.4	18.4-17.5-16.9	21.3-20.2-19.5		
		EER	4.79	4.65	4.51		
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>	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-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		
	L/s		2,500		2,500		2,500		2,500		2,500			
	cfm		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		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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		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>		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)		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		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		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		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		
Energy 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 kW	13.56	15.25	16.51		
		Current input A	22.8-21.7-20.9	25.7-24.4-23.5	27.8-26.4-25.5		
		EER kW/kW	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	
				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		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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter		Inverter		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>		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		mm 1,650 x 1,750 x 740		mm 1,650 x 1,750 x 740		mm 1,650 x 1,750 x 740		mm 1,650 x 1,750 x 740		mm 1,650 x 1,750 x 740			
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)		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		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)		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)	170 (375) 262 (578)		247 (545) 247 (545)		247 (545) 247 (545)		247 (545) 247 (545)		247 (545) 262 (578)		262 (578) 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		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		mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		
Optional parts	Gas pipe	mm (in.) 22.2 (7/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 28.58 (1-1/8) Brazed		mm (in.) 28.58 (1-1/8) Brazed			
	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		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		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		
Energy 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 kW	18.14	19.85	19.89		
		Current input A	30.6-29.0-28.0	30.6-29.1-28.0	33.5-31.8-30.7		
		EER kW/kW	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	
				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		Inverter-control, Direct-driven by motor		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 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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter		Inverter		Inverter		Inverter		Inverter		Inverter		Inverter			
	Motor output kW	5.6		5.6		2.9		2.9		5.6		2.9		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>		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 1,750 x 740		mm 1,650 x 1,750 x 740		mm 1,650 x 920 x 740		mm 1,650 x 920 x 740		mm 1,650 x 1,750 x 740		mm 1,650 x 920 x 740		mm 1,650 x 920 x 740		mm 1,650 x 1,750 x 740			
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)		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		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 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 3.0 kg (7 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 6.0 kg (14 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)			
Net weight	kg (lbs)	262 (578) 262 (578)		262 (578) 262 (578)		170 (375) 170 (375)		170 (375) 262 (578)		170 (375) 170 (375)		170 (375) 170 (375)		170 (375) 262 (578)		262 (578) 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		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		Salt-resistant corrugated fin & aluminium alloy tube		
	Pipe between unit and distributor	Liquid pipe	mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 9.52 (3/8) Brazed		mm (in.) 9.52 (3/8) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 9.52 (3/8) Brazed		mm (in.) 12.7 (1/2) Brazed		mm (in.) 12.7 (1/2) Brazed		
Optional parts	Gas pipe	mm (in.) 28.58 (1-1/8) Brazed		mm (in.) 28.58 (1-1/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 28.58 (1-1/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 22.2 (7/8) Brazed		mm (in.) 28.58 (1-1/8) Brazed			
	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		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		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		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G				
Energy Labelling Scheme																			

Notes:

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

	Indoor	Outdoor	Pipe length	Level difference
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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		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	97.0	102.4	107.0		
		BTU/h	331,000	349,400	365,100		
		Power input kW	21.65	22.55	23.99		
		Current input A	36.5-34.7-33.4	38.0-36.1-34.8	40.4-38.4-37.0		
Temp. range of cooling	EER	kW/kW	4.48	4.54	4.46		
		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>	64.0		64.5		65.5	
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-EP250YKE (-BS)		PUCY-EP300YKE (-BS)		PUCY-EP350YKE (-BS)		PUCY-EP400YKE (-BS)		PUCY-EP450YKE (-BS)		PUCY-EP500YKE (-BS)			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		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	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		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	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		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
		Starting method	Inverter	Inverter	Inverter	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	5.6	6.9	
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>		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	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
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)		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		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)	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)	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		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	
	Pipe between unit and distributor 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	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
Optional parts	Header: CMY-Y104/108/1010-G	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		
		Energy 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 kW	25.56	27.21	28.77		
		Current input A	43.1-40.9-39.5	45.9-43.6-42.0	48.5-46.1-44.4		
Temp. range of cooling	EER	kW/kW	4.44	4.41	4.31		
		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-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	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		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	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)		
		Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		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		
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>		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	1,650 x 1,750 x 740	1,650 x 1,750 x 740	
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)		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		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)	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)	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		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 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	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	
Optional parts	Header: CMY-Y104/108/1010-G	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2			
		Energy 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-EP1150YSKE (-BS)		PUCY-EP1200YSKE (-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	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
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 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-EP350YKE (-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		
	Air flow rate	m ³ /min	320	320	320	320	320	
		L/s	5,333	5,333	5,333	5,333	5,333	
		cfm	11,299	11,299	11,299	11,299	11,299	
Control, Driving mechanism	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 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type	Inverter scroll hermetic compressor						
	Starting method	Inverter		Inverter		Inverter		
	Motor output kW	5.6		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>							
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		
	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		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)						
	Inverter circuit (COMP./FAN)	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)		
Net weight	kg (lbs)	262 (578)	260 (574)	260 (574)	260 (574)	260 (574)		
Heat exchanger	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		
	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		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G							
Energy Labelling Scheme	Excellent		Very Good		Very Good		Very Good	
	i3294 19296-wm		i3433 22885-wm		i3433 22885-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3433 22885-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3433 22885-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3433 22885-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3433 22885-wm		i3433 22885-wm	

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		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
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 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-EP400YKE (-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		
	Air flow rate	m ³ /min	320	320	320	320	320	
		L/s	5,333	5,333	5,333	5,333	5,333	
		cfm	11,299	11,299	11,299	11,299	11,299	
Control, Driving mechanism	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 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type	Inverter scroll hermetic compressor						
	Starting method	Inverter		Inverter		Inverter		
	Motor output kW	6.9		8.0		8.0		
	Case heater kW	-		-		-		
External finish	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		
	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		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)						
	Inverter circuit (COMP./FAN)	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)		
Net weight	kg (lbs)	260 (574)	260 (574)	260 (574)	260 (574)	260 (574)		
Heat exchanger	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		
	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		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G							
Energy Labelling Scheme	Very Good		Very Good		Good		Very Good	
	i3433 22885-wm		i3433 22885-wm		i3940 26265-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3940 26265-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3940 26265-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3940 26265-wm		i3433 22885-wm	
	i3433 22885-wm		i3433 22885-wm		i3940 26265-wm		i3433 22885-wm	

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		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	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-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	
	Air flow rate	m ³ /min	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333
		cfm	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	
*2 External static press.	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	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	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	
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)	
Net weight	kg (lbs)	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	
	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	
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			
Energy Labelling Scheme	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		

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		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	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-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	
	Air flow rate	m ³ /min	320	320	320	320	320
		L/s	5,333	5,333	5,333	5,333	5,333
		cfm	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	
*2 External static press.	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	8.0	10.6	10.6	10.6	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	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	
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)	
Net weight	kg (lbs)	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	
	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	
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			
Energy Labelling Scheme	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		
	Good		Good		Good		

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.