CITY-MULTI®
AIR SOURCE UNITS

H2i (hyper heating inverter) type

PUHY HP T/YNU-A1
PURY HP T/YNU-A1

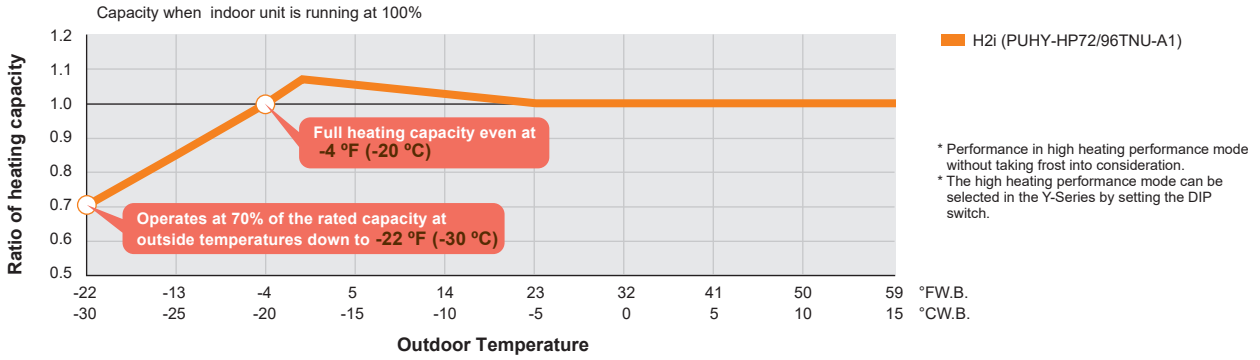
This type can operate at outside temperatures down to -22°F [-30°C] and is available in a wide lineup.

High heating performance

The H2i-type that has large-capacity compressors with an injection function in the suction chamber are capable of performing heating operation at outside temperatures down to -22°F [-30°C]. Selecting the high heating performance mode helps maintain the heating performance at low outside temperatures. The HP72 and 96 models of the H2i-type are capable of achieving the rated capacity even at a temperature of -4°F [-20°C]*.

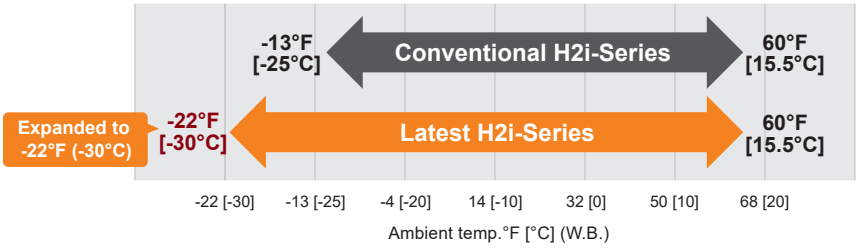
* The HP120 model operates at full heating capacity at temperatures down to 5°F [-15°C].

Heating capacity (high heating performance mode)



Heating operation down to -22°F (-30°C)

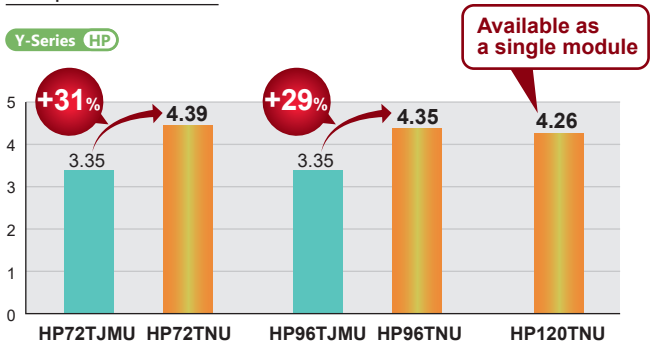
Heating operation is guaranteed at temperatures down to -22°F (-30°C), helping to create comfortable spaces in cold mornings and evenings, and even in harsh climates.



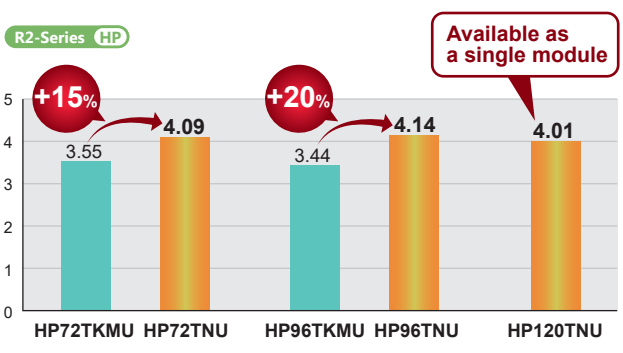
High efficiency and wide line-up

The structural design of the latest model has a 4-face air induction design and improved core components, such as compressor and fan, to deliver significantly improved energy saving performance. The COP of the HP72 model in the Y-Series has improved by 31%.

Comparison of COP



* Measurement condition (Indoor model: Non-ducted)



* Measurement condition (Indoor model: Non-ducted)

Design

To realize high efficiency, the structure of a four-sided heat exchanger is applied to the latest model. The sophisticated appearance can enhance building designs.

Conventional model (T/YKMU)

Latest model (T/YNU)

Panel heaters are equipped as a standard on the side and back for proper drainage in cold climates, ensuring highly reliable heating operation.

* These images show the R2-Series.

Wide line-up

Single modules are available up to HP120 for both the Y and the R2-Series. The combination modules are available in a lineup of to HP240. These units require smaller installation space and provide greater flexibility in the selection of models.

		HP72	HP96	HP120	HP144	HP192	HP240
Conventional model HP-T(Y)KMU-A-H [(R2)] HP-TJMU-A(Y)	R2	L	L	—	L + L	L + L	—
	Y	S	L	—	S + S	L + L	—
Latest model HP-T(Y)NU-A1	R2	L	L	L	L + L	L + L	L + L
	Y	L	L	L	L + L	L + L	L + L

Operation with a single compressor up to HP120

Space Saving Installation with Fewer Modules

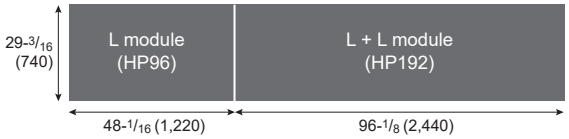
When an HP240 system (R2) is required

Conventional model (T/YKMU)

HP96 (L module) HP192 (L+L module)

• Footprint

in. (mm)

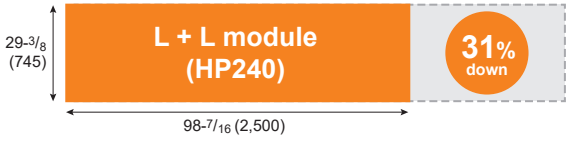


Latest model (T/YNU)

HP240 (L+L module)

• Footprint

in. (mm)



Fewer modules mean a smaller footprint

High efficiency & standard type

PUHY (E)P T/YNU-A1
PURY (E)P T/YNU-A1

* This picture shows a standard type.

The structural design features a 4-face air induction design and improved core components, such as compressor and fan, to deliver significantly improved energy saving performance.

Wide Lineup

A single large capacity module is available for the high efficiency type.
The latest "EXL" module has an extended heat exchanger and the same footprint as the XL module.

Comparison of high efficiency modules

S

L

XL

EXL

Extended HEX

Expanded lineup

Latest single module

Y-Series EP Single

	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240
T/YLMU	S	L	XL	XL	XL	—	—	—
T/YNU	S	L	L	L	XL	EXL	EXL	EXL

R2-Series EP Single

	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240
T/YKMU	L	L	XL	XL	—	—	—	—
T/YNU	S	L	L	L	XL	EXL	EXL	EXL

Y-Series EP Combination

	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240	EP264	EP288	EP312	EP336	EP360	EP384	EP408	EP432
T/YLMU	—	—	—	S+S	S+L	S+XL	L+XL	XL+XL	S+S+XL	S+L+XL	S+XL+XL	L+XL+XL	XL+XL+XL	—	—	—
T/YNU	—	—	—	—	—	L+L	L+L	L+L	S+L+L	S+L+L	S+L+L	L+L+L	L+L+L	L+L+L	L+L+L	L+L+L

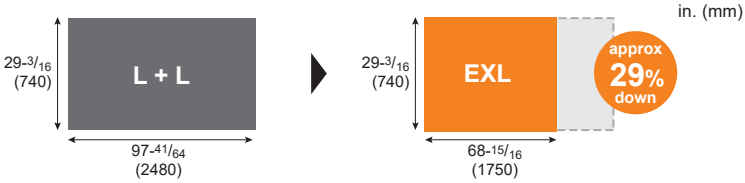
R2-Series EP Combination

	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240	EP264	EP288	EP312	EP336	EP384	EP432
T/YKMU	—	—	—	—	L+L	L+L	L+XL	XL+XL	XL+XL	XL+XL	—	—	—	—
T/YNU	—	—	—	—	—	L+L	L+L	L+L	L+L	L+L	L+XL	XL+XL	EXL+EXL	EXL+EXL

Foot print

EP216 L + L → EXL

in. (mm)



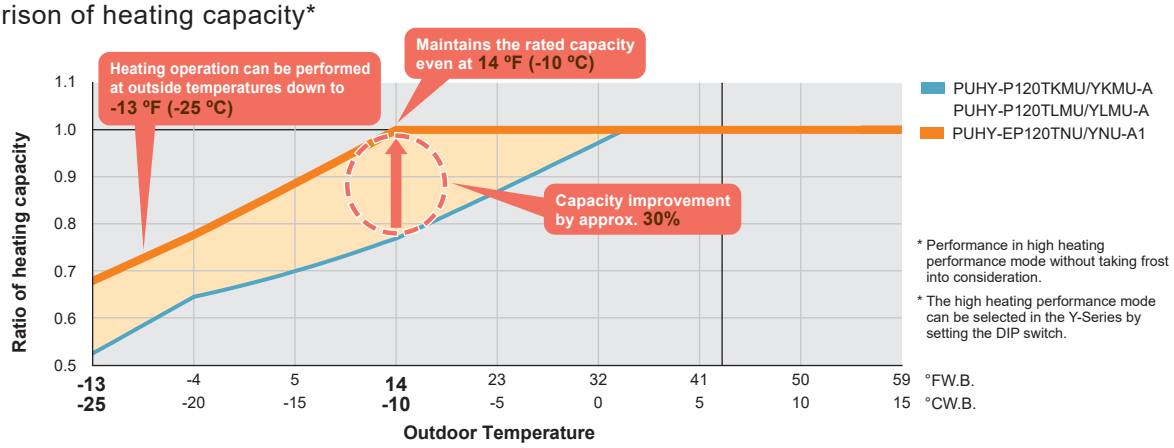
Heating capability

Y-Series EP R2-Series EP

The EP model has a large capacity compressor with an injection function in the suction chamber of the compressor. Capable of performing heating operation at outside temperatures down to -13°F [-25°C], this model achieves the rated heating performance at temperatures down to 14°F [-10°C].

* Excludes the PUHY-EP216, 240T/YNU and PURY-EP192–240, 384, 432T/YNU models.

• Comparison of heating capacity*



* Performance in high heating performance mode without taking frost into consideration.

* The high heating performance mode can be selected in the Y-Series by setting the DIP switch.

Less refrigerant

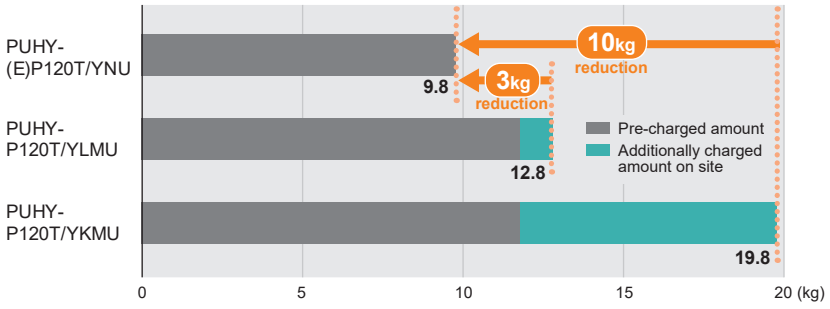
Y-Series EP Y-Series P

The four-way suction structure and fan shape have reduced the refrigerant amount by 3kg (PUHY-(E)P120T/YNU) compared to the conventional flat-tube heat exchanger/three-way suction models (PUHY-P120T/YLMU) and by 10kg (PUHY-(E)P120T/YNU) compared to the round-tube heat exchanger/three-way suction models (PUHY-P120T/YKMU).

* Outdoor unit: P120, Indoor unit: 0 unit, Refrigerant piping length: 0 m

* Additional charging is required depending on the installation conditions. Refer to the installation manual for details.

• Comparison of refrigerant amount in 10 ton ((E)P120) models



TNU/YNU model

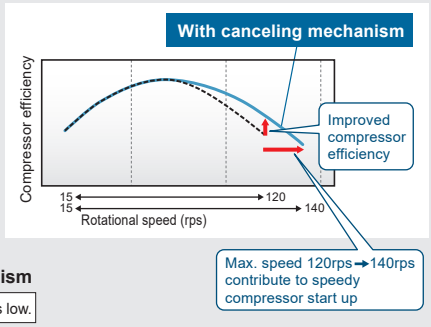
Compressor with centrifugal force canceling mechanism

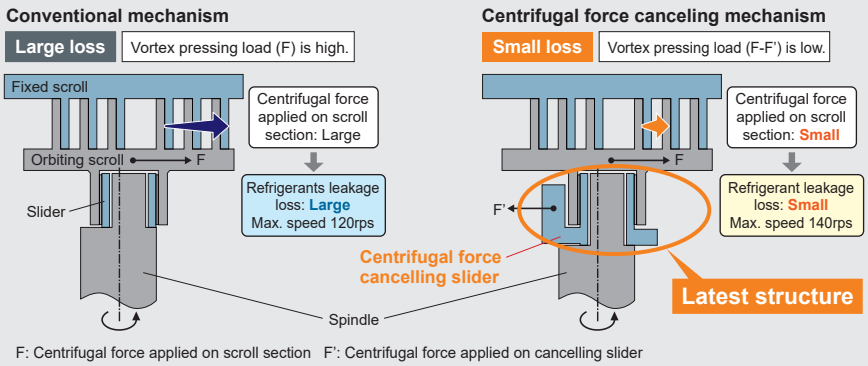
The compressor, known as the heart of the air conditioner, has been developed. A centrifugal force canceling mechanism and a multi-port mechanism have been developed. In addition, we have mounted a high-efficiency motor. The synergetic effect of these latest technologies increases the compressor performance and efficiency, and also helps to improve the performance of the outdoor unit.

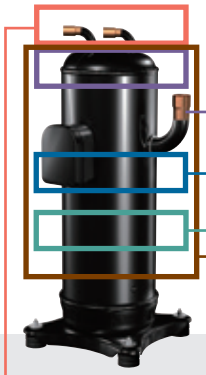
Centrifugal force canceling mechanism

Y-Series HP HP72 | Y-Series EP EP72/96 | Y-Series P P120/144 | R2-Series HP HP72 | R2-Series EP EP72/96 | R2-Series P P120/144

With the latest compressor, a latest structure (centrifugal force canceling mechanism) has been mounted to suppress the centrifugal force. This mechanism successfully suppresses the centrifugal force generated at the scroll section, reduces refrigerant leakage losses, and increases the compressor efficiency. The maximum rotational speed has been increased from the conventional 120rps to 140rps.
This mechanism also speeds up the start of operation, and enables operations such as preheat defrost operation and the smooth auto-shift startup mode.





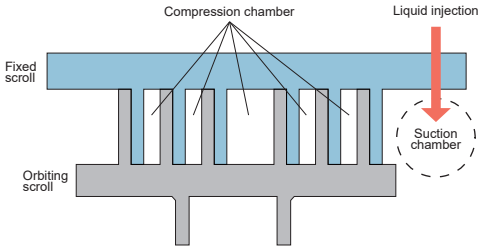


Powerful compressor with suction chamber injection mechanism

Y-Series HP | Y-Series EP | R2-Series HP | R2-Series EP

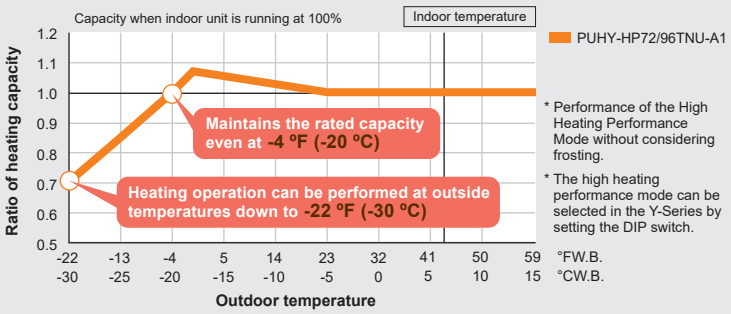
The EP/HP models are equipped with a compressor having a large capacity than that of the P models (except PURY-EP168). They are also equipped with a suction chamber injection mechanism. Owing to this, HP models can perform heating operation even at an outside temperature of -22°F (-30°C), and heating performance at low outside temperatures has been improved so that the rated capacity can be achieved even at an outside temperature of -4°F (-20°C) (HP72/96 models).

• Injection mechanism



This mechanism suppresses the temperature rise of the discharge gas and supports the heating operation at low outside temperatures.

• Heating capacity* in high heating performance mode (HP model)



* Performance of the High Heating Performance Mode without considering frosting.
* The high heating performance mode can be selected in the Y-Series by setting the DIP switch.

Change in refrigerant oil in the compressor

Y-Series HP | R2-Series HP

When conventional H2i-Series are operated at low temperatures below the guaranteed range, the refrigerant oil may become clouded and its circulation may decrease. The latest H2i-Series uses refrigerant oil MEL46EH in place of MEL32. MEL46EH is used in the compressor of the H2i-Series to maintain reliability at low temperatures.
The synergistic effect of the change in refrigerant oil and the use of powerful compressor with a suction chamber injection mechanism expands the temperature range for heating operation down to -22°F (-30°C).

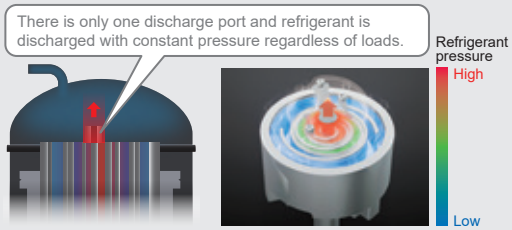
Multi-port mechanism

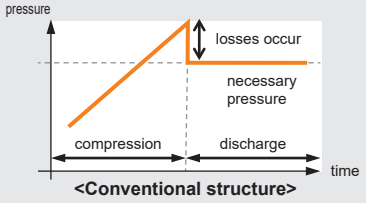
Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

Efficient partial load operation is realized by avoiding overcompression. With the scroll compressor, the distance of the compression process in the scroll is usually fixed, so over-compression occurs during low loads and low rotation. The latest compressor is equipped with two sub-ports in addition to the conventional discharge port to reduce this over-compression loss during low loads. In operation conditions having a low compression rate, the distance in the compression process is kept short by that successfully avoiding unnecessary compression, and contributing to efficient partial load operation.

Conventional structure

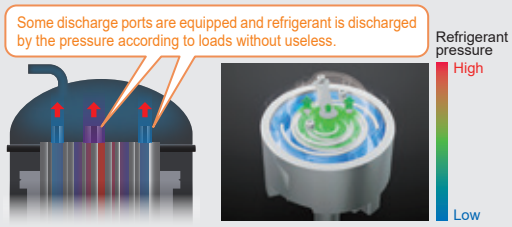
There was only one discharge port in the center and regardless of the air conditioning loads, the refrigerant was compressed up to the center part of scroll, then discharged with constant pressure.
This means that the refrigerant tends to be compressed to higher than necessary pressure during low loads.

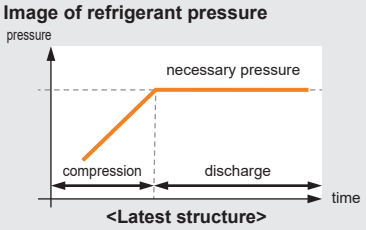




Multi-port structure

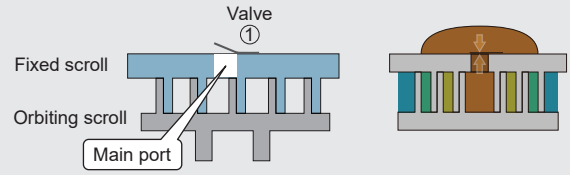
The compressor is equipped with two sub-ports in addition to the discharge port at the center, and it realizes discharge according to air conditioning loads.
The suppression of over-compression contributes to improve the operation efficiency of partial load.





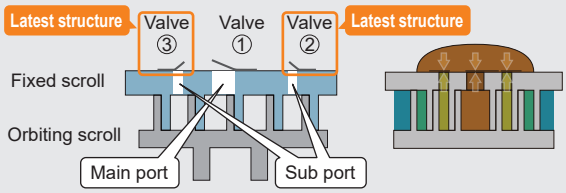
The latest structure, multi-port compressor which equipped with two sub-ports which open and close according to loads, discharges refrigerant from sub-port during the partial load operation.

Conventional structure



		Operation pattern	
		Partial load	Rating, high pressure difference
Main port	Valve ①	open	open

Multi-port structure



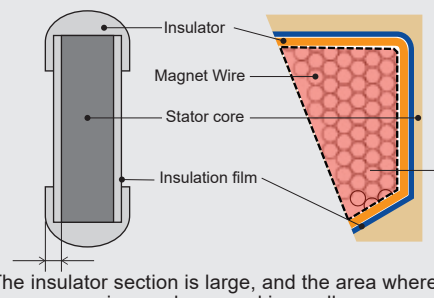
		Operation pattern	
		Partial load	Rating, high pressure difference
Main port	Valve ①	open	open
Sub port	Valve ②	**open**	close
	Valve ③	**open**	close

Improved high-efficiency motor

Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

The insulator section that traditionally created a dead space is eliminated by insulating the motor's stator film. Since winding can be set in that section, the winding area can be increased by approx. 9%. The wire diameter has also been increased by two ranks, so the resistance between terminals is reduced, and the insulation distance is shorter. This improves the motor's operation performance and contributes to high-efficiency operation of the compressor.

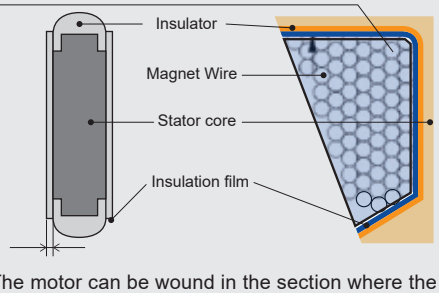
Conventional model (T/YLMU)



The insulator section is large, and the area where the copper wire can be wound is small.

Increase in area available for winding

Latest model (T/YNU)



The motor can be wound in the section where the insulator was, and a larger wire diameter can be used.

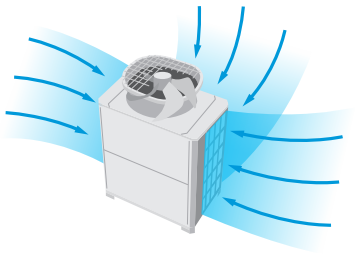
Key components of TNU/YNU model

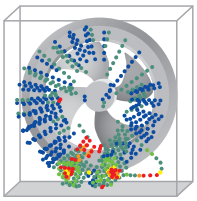
Four-way suction structure

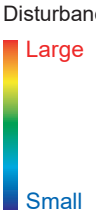
Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

• Air suction structure

Conventional model (T/YLMU)



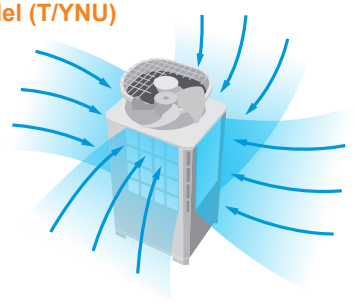


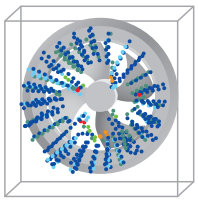


Visualization of air flow of fan

Conventional three-way suction structure has caused a disturbance of air flow in the fan area on the panel side that has no heat exchanger.

Latest model (T/YNU)





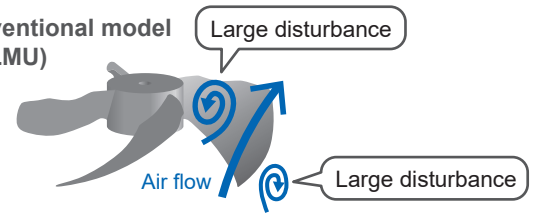
Fan and four-way suction reduce disturbance of air flow

Visualization of air flow of fan

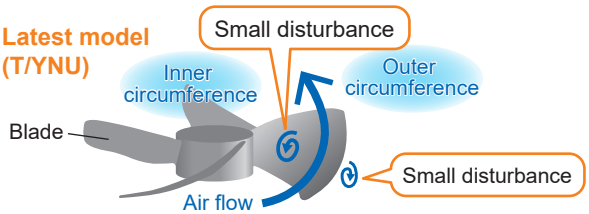
The four-way suction structure allows heat exchange without causing a disturbance of air flow in all directions.

• Fan structure

Conventional model (T/YLMU)



Latest model (T/YNU)



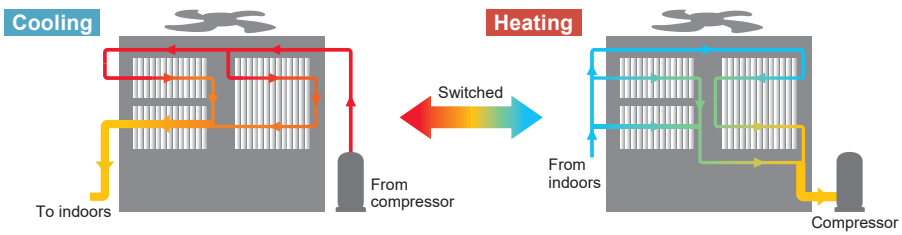
Concave-shaped blade of the propeller fan allows to change the orientation (normal vector) of the blade surface from the outer circumference direction to the inner circumference direction as air flows from upstream to downstream. This enables air to flow along the outer circumference of the blade while reducing a disturbance of air flow that occurs in the upstream and downstream of conventional propeller fans, resulting in reduction of power consumption of the fan motor and air blow noise.
Furthermore, the change of the orientation of the fan blade from the outer circumference direction to the inner circumference direction reduces air leakage from the outer circumference and sends more air to the upstream of the fan.

Adaptive flow control

Y-Series EP (−EP144)

Changed to a refrigerant circuit flow for both heating and cooling.

Adaptive flow control



- During cooling, a serial flow path (flow through two of the heat exchangers split into three, and then through the last heat exchanger) is used. With fewer paths, the refrigerant flow rate is increased and the heat conductivity performance is improved. In addition, the drop in heat exchanger capacity for per path prevents the refrigerant stagnation and improves the condensing performance of the heat exchanger during cooling.
- During heating, a parallel flow path (flow refrigerant simultaneously through all heat exchangers split into three) is used. By flowing the refrigerant to all paths at the heat exchanger inlets (by increasing the number of paths compared to cooling), pressure loss in the heat exchanger is reduced, and the evaporator performance is improved.

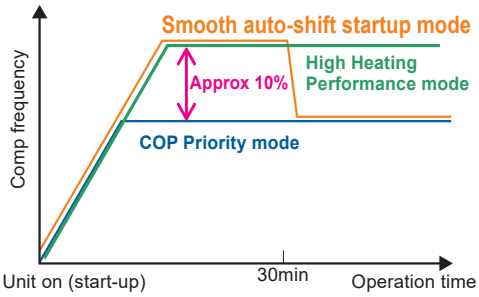
* Increase in evaporator performance is compared to using the original number of cooling paths.

Key functions

Smooth auto-shift startup mode

Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

Smooth auto-shift startup mode, an operation mode on the outdoor unit, can now be selected in addition to the conventional COP Priority and High Heating Performance modes. In order to heat the room faster, High Heating Performance mode runs for 30 minutes when heating operation starts. The unit then switches to COP Priority mode to increase energy-saving efficiency. This enables both improved comfort and energy savings.



* Time for preparation for heating is required.
* Each mode is activated when the ambient temperature is below the specified temperature. For factory settings, refer to the Data Book.

Preheat defrost operation

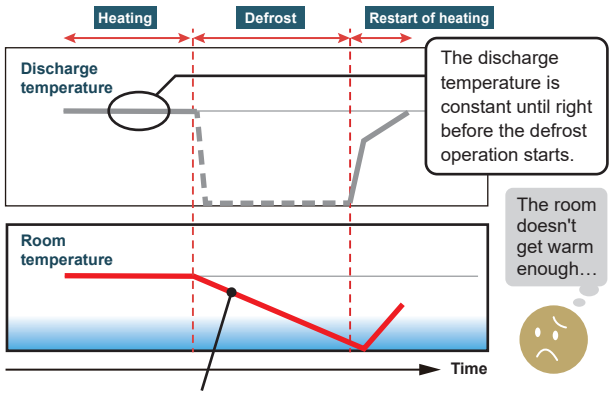
Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

The outdoor unit is equipped with a preheat defrost operation that raises the discharge temperature of the air before beginning defrost operation. This contributes to raising the room temperature before the start of defrost operation and prevents room occupants experiencing a chilling sensation.

Preheat defrost ON/OFF

Example Outdoor unit: P168, Indoor temp.: 68°F (20°C), Outdoor temp.: 36°F (2°C) DB/34°F (1°C) WB, Heating load: 100%

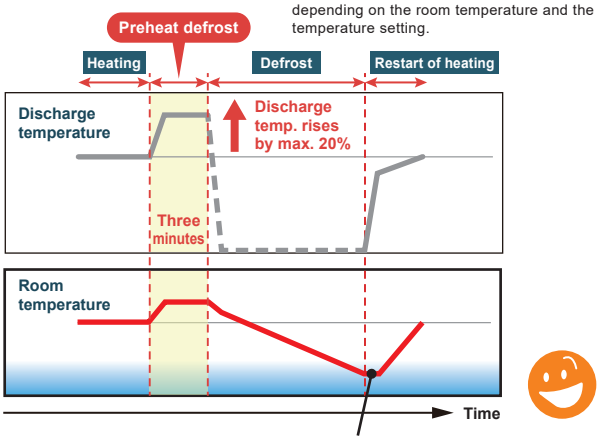
Without preheat defrost



The room temperature drops right after the defrost operation starts.

With preheat defrost

*The following graphs show examples, which may differ from the actual operation depending on the room temperature and the temperature setting.



The room temperature is increased when the defrost operation is started so that the temperature does not drop too low during the defrost operation.

Maintenance data retrieval via USB

Y-Series HP | Y-Series EP | Y-Series P | R2-Series HP | R2-Series EP | R2-Series P

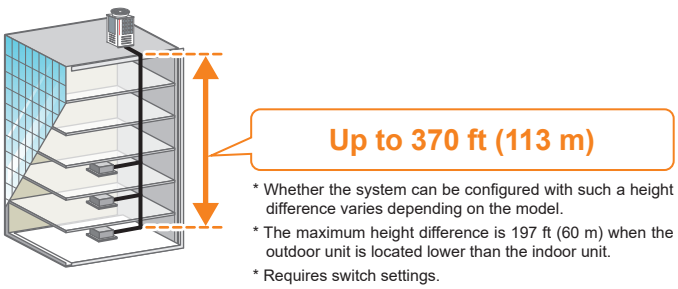
Operation data was retrieved from conventional models using the maintenance tool. On the latest model, the data can be retrieved quickly via USB*1. It is unnecessary to carry the personal computer in which the maintenance tool has been installed, reducing field operation time and improving convenience. Software can be rewritten via USB*2.

*1 In the case of OC-IC maximum configuration
*2 USB memory devices conforming to USB2.0 can be used.

Usable in an application with a large vertical separation of up to 370 feet (113 meters)

Y-Series HP | Y-Series EP | Y-Series P
R2-Series HP | R2-Series EP | R2-Series P

A height difference of up to 370 ft (113 m) from the outdoor unit to the indoor unit can be supported with no extra-cost options.
This increases design flexibility and facilitates installation of these units even in high-rise buildings.



* Whether the system can be configured with such a height difference varies depending on the model.
* The maximum height difference is 197 ft (60 m) when the outdoor unit is located lower than the indoor unit.
* Requires switch settings.

Compact type

H2i NEW

PUMY-HP NKMU2

- 3-4 ton (P36/42/48)
- 3.5 ton (P42) model is newly added to the lineup.
- The flash injection circuit improves the heating performance at low outside temperatures.

Standard NEW

PUMY-P NKMU4(-BS)

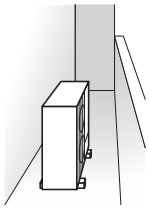
- 3-5 ton (P36/48/60)
- Compact design that allows individual air conditioning in small-scale buildings and stores

High transportability for installation in narrow spaces

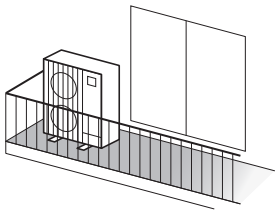
H2i Standard

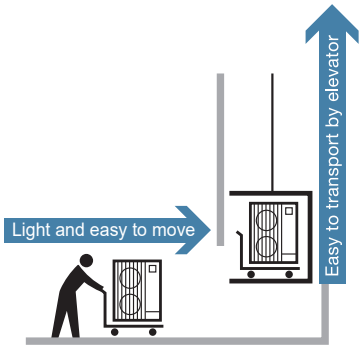
These units are lighter and have greater mobility compared to the top-flow models, allowing for easier transportation and installation.
Smaller depth allows the unit to fit in narrow spaces.

- Small space



- On the balcony



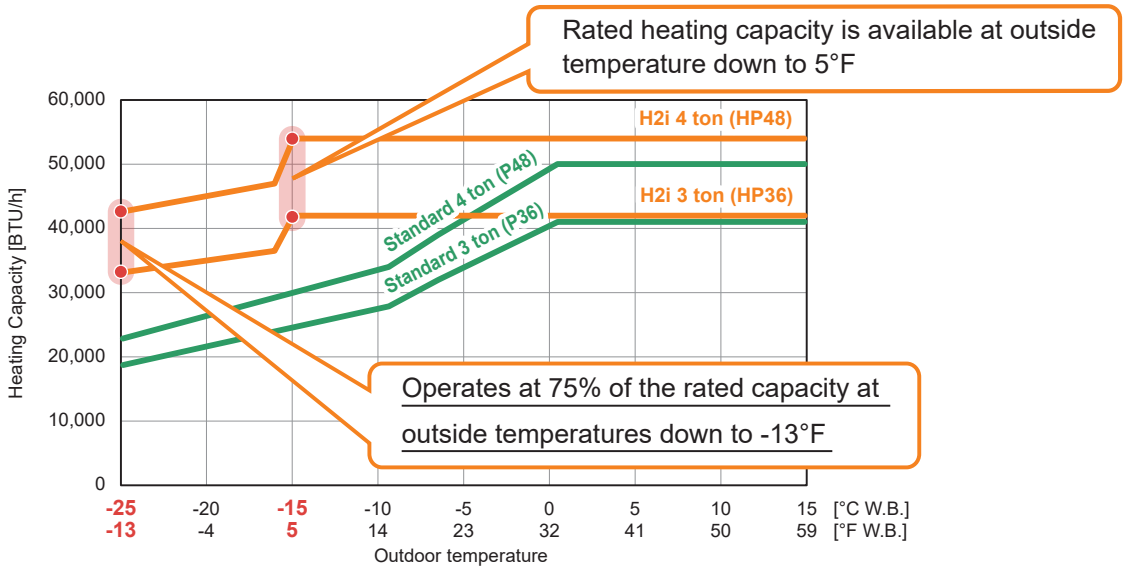


Reliable heating performance

H2i

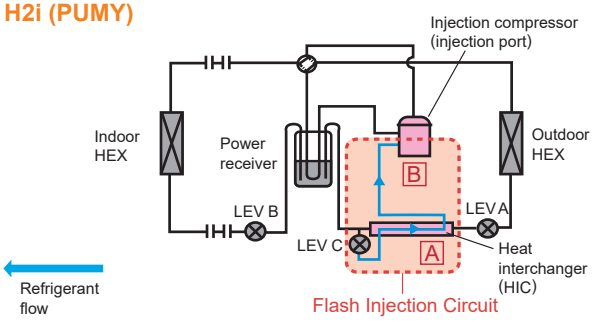
The cold climate type adopts a Flash Injection Circuit to achieve remarkably high heating performance. With this technology, the rated heating performance can be maintained at outside temperatures down to 5°F (-15°C). The guaranteed heating operation range of the heating mode is available down to -13°F (-25°C).

〈Heating capacity comparison of standard and H2i models〉



• Flash Injection Circuit

H2i (PUMY)



The H2i type (PUMY) is equipped with Mitsubishi Electric's original Flash Injection Circuit, which is comprised of a bypass circuit and heat interchanger (HIC). The HIC transforms rerouted liquid refrigerant into a gas-liquid state to lower compression load. Without this circuit, when the outdoor temperature is low, the volume of refrigerant circulating in the compressor decreases due to the drop in refrigerant pressure and the protection from overheating caused by high compression, thereby reducing heating capacity. The Flash Injection Circuit injects refrigerant to maintain the refrigerant circulation volume and compressor operation load, thereby maintaining heating capacity.

A Heat Interchanger (HIC)

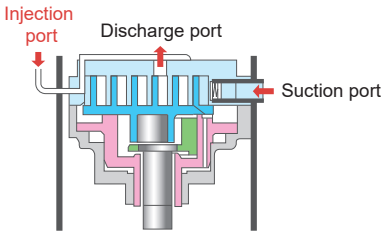
HIC cross-sectional view

Purpose: Transform liquid refrigerant into liquid-gas state

Effect: Injection circuit increases energy efficiency

The compressor is subjected to a heavy load when compressing liquid refrigerant, and the result is lower operation efficiency. The addition of HIC supports refrigerant heat exchange at two different pressure levels. The heat-exchange process transforms the injected liquid refrigerant into a gas liquid state, thereby decreasing the load on the compressor during the compression process.

B Injection Compressor



Purpose: To increase the volume of refrigerant being circulated

Effect: Improves heating capacity at low outdoor temperatures, and enables higher indoor-air outlet temperature adjustment and higher defrost operation speed

Refrigerant passes from the HIC into the compressor through the injection port. Having two refrigerant inlets makes it possible to raise the volume of refrigerant being circulated when the outdoor temperature is low and at the start of heating operation.

Y-Series

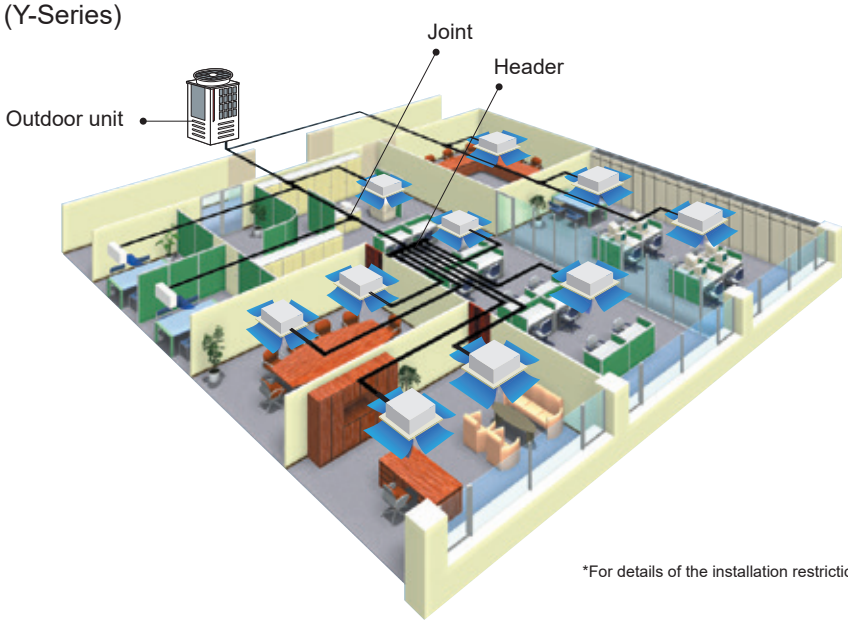
Cooling or Heating Heat pump NEW

*This image shows the standard type.

A two-pipe zoned system designed for heat pump operation

The CITY MULTI Y-Series (for large applications) makes use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilizes an inverter-driven compressor for effective energy use.
With a wide lineup of indoor units connected to a flexible piping system, the CITY MULTI Series can be configured to suit diverse applications. Up to 50 (Y-Series) indoor units can be connected with up to 130% connected capacity to maximize engineering design options. This feature allows easy air conditioning in each area with convenient individual controllers.

• Installation image (Y-Series)

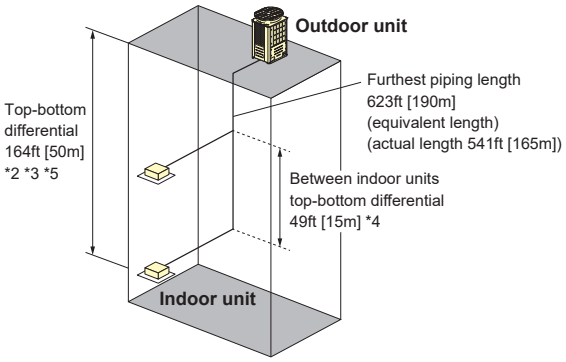


*For details of the installation restrictions, refer to the DATABOOK.

• System Pipe Lengths [HP72−HP240 T(S)NU/Y(S)NU]
[(E)P72−(E)P432 T(S)NU/Y(S)NU]
[P72−P360 Z(S)KMU]

Refrigerant Piping Lengths	Maximum feet [Meters]
Total length	3,280 [1,000]
Maximum allowable length	541 (623 equivalent) [165 (190)]
Farthest indoor from first branch	131 [40]*1

Vertical differentials between units	Maximum feet [Meters]
Indoor/outdoor (outdoor higher)	164 [50]*2
Indoor/outdoor (outdoor lower)	131 [40]*3
Indoor/indoor	49 [15]*4



*1 295ft [90m] is available. When the piping length exceeds 131ft [40m], use one size larger liquid pipe starting with the section of piping where 131ft [40m] is exceeded and all piping after that point.
*2 370ft [113m] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.
*3 196ft [60m] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.
*4 98ft[30m] is available. If the height difference between indoor units exceeds 49ft [15m] (but does not exceed 98ft [30m]), use one size larger pipes for indoor unit liquid pipes.
*5 When the outdoor unit is installed below the indoor unit, top-bottom differential is 131ft [40m].

Optional parts

• For H2i, High efficiency, Standard

Description	Model	Remarks
Panel heater kit *1	PAC-PH01EHYU-E	For S module
	PAC-PH02EHYU-E	For L module
	PAC-PH03EHYU-E	For XL module
Twinning kit	CMY-Y100CBK3	For PUHY-(E)P192-(E)P240T/YSNU-A1, PUHY-HP144T/YSNU-A1
	CMY-Y300CBK2	For PUHY-(E)P264-(E)P432T/YSNU-A1, PUHY-HP192-HP240T/YSNU-A1
Branch pipe (Joint)	CMY-Y102SS-G2	72 or below (Total capacity of indoor unit)
	CMY-Y102LS-G2	73-144 (Total capacity of indoor unit)
	CMY-Y202S-G2	145-240 (Total capacity of indoor unit)
	CMY-Y302S-G2	241-above (Total capacity of indoor unit)
Branch pipe (Header)	CMY-Y104C-G	For 4 branches
	CMY-Y108C-G	For 8 branches
	CMY-Y1010C-G	For 10 branches
Fin Guard *2	PAC-FG01S-E	For side surfaces of HP model (a set of two pieces)
	PAC-FG02B-E	For rear surface of HP model (a set of two pieces)

*1. If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a panel heater is recommended. The HP models are standard equipped with panel heaters. For details, refer to the installation manual for the panel heater.
*2. P/EP models are standard equipped with fin guard.

• For Standard (575V)

Description	Model	Remarks	
Twinning kit	CMY-Y100CBK3	For P168−P240 ZSKMU-B	
Branch pipe (Joint)	CMY-Y102SS-G2	72 or below (Total capacity of indoor unit)	
	CMY-Y102LS-G2	73−144 (Total capacity of indoor unit)	The 1st branch of P72−P144ZKMU-B
	CMY-Y202S-G2	145−240 (Total capacity of indoor unit)	The 1st branch of P168−P240ZSKMU-B
	CMY-Y302S-G2	241 or above (Total capacity of indoor unit)	The 1st branch of P264−P360ZSKMU-B
Branch pipe (Header)	CMY-Y104C-G	For 4 branches	
	CMY-Y108C-G	For 8 branches	
	CMY-Y1010C-G	For 10 branches	

Note: Indoor unit capacities: the capacity of an indoor unit is the same as the number used for its type identification.

OUTDOOR UNIT
Y-Series H2i (208-230V)
PUHY-HP TNU-A1

► Specifications

Outdoor Model			PUHY-HP72TNU-A1		PUHY-HP96TNU-A1		PUHY-HP120TNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		120,000	
		kW	21.1		28.1		35.2	
	Power input	kW	5.39		6.23		8.53	
(208-230)	Current input	A	16.6-15.0		19.2-17.3		26.3-23.7	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.44	5.59	7.25	7.19	10.13	9.72
(208-230)	Current input	A	16.7-15.1	17.2-15.5	22.3-20.2	22.1-20.0	31.2-28.2	29.9-27.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		135,000	
		kW	23.4		31.7		39.6	
	Power input	kW	5.33		7.33		9.63	
(208-230)	Current input	A	16.4-14.8		22.6-20.4		29.7-26.8	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.83	5.04	6.65	6.86	8.55	9.17
(208-230)	Current input	A	14.8-13.4	15.5-14.0	20.5-18.5	21.1-19.1	26.3-23.8	28.2-25.5
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room) *3		dB <A>	74.0/76.0		76.0 / 77.5		79.5/80.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	55-49		63-57		66-60	
Maximum Overcurrent Protection		A	90-80		100-90		110-100	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6700 / 6700		7400 / 7400		7750 / 7750	
		m^3 / min	190 / 190		210 / 210		220 / 220	
	*3	L / s	3170 / 3170		3500 / 3500		3670 / 3670	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.8		4.5		6.5	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 × 48-7/8 × 29-3/16		71-5/8 × 48-7/8 × 29-3/16		71-5/8 × 48-7/8 × 29-3/16	
		mm	1818 × 1240 × 740		1818 × 1240 × 740		1818 × 1240 × 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	609 (276)		653 (296)		655 (297)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series H2i (208-230V)
PUHY-HP TSNU-A1

► Specifications

Outdoor Model			PUHY-HP144TSNU-A1		PUHY-HP192TSNU-A1		PUHY-HP240TSNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000		192,000		240,000	
		kW	42.2		56.3		70.3	
	Power input	kW	12.20		13.79		19.37	
(208-230)	Current input	A	37.6-34.0		42.5-38.4		59.7-54.0	
(Rated)		BTU / h	138,000		184,000		230,000	
		kW	40.4		53.9		67.4	
	Power input	kW	11.73	12.34	15.79	15.27	22.50	20.35
(208-230)	Current input	A	36.1-32.7	38.0-34.4	48.6-44.0	47.0-42.5	69.3-62.7	62.7-56.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	160,000		215,000		270,000	
		kW	46.9		63.0		79.1	
	Power input	kW	11.70		15.91		21.38	
(208-230)	Current input	A	36.0-32.6		49.0-44.3		65.9-59.6	
(Rated)		BTU / h	152,000		206,000		258,000	
		kW	44.5		60.4		75.6	
	Power input	kW	10.50	10.99	14.39	14.79	19.52	19.76
(208-230)	Current input	A	32.3-29.2	33.8-30.6	44.3-40.1	45.6-41.2	60.2-54.4	60.9-55.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~48		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	77.5/79.5		78.5/81.0		83.0/84.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-HP72TNU-A1	PUHY-HP72TNU-A1	PUHY-HP96TNU-A1	PUHY-HP96TNU-A1	PUHY-HP120TNU-A1	PUHY-HP120TNU-A1
Minimum Circuit Ampacity		A	55-49	55-49	63-57	63-57	66-60	66-60
Maximum Overcurrent Protection		A	90-80	90-80	100-90	100-90	110-100	110-100
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
	Airflow rate	cfm	6700 / 6700	6700 / 6700	7400 / 7400	7400 / 7400	7750 / 7750	7750 / 7750
		m^3 / min	190 / 190	190 / 190	210 / 210	210 / 210	220 / 220	220 / 220
	*3	L / s	3170 / 3170	3170 / 3170	3500 / 3500	3500 / 3500	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	3.8	4.5	4.5	6.5	6.5
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A × 21 lbs + 9 oz (9.8 kg)	R410A × 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	609 (276)	609 (276)	653 (296)	653 (296)	655 (297)	655 (297)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series H2i (460V)
PUHY-HP YNU-A1

► Specifications

Outdoor Model			PUHY-HP72YNU-A1		PUHY-HP96YNU-A1		PUHY-HP120YNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		120,000	
		kW	21.1		28.1		35.2	
	Power input	kW	5.39		6.23		8.53	
(460)	Current input	A	7.5		8.6		11.8	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.44	5.59	7.25	7.19	10.13	9.72
(460)	Current input	A	7.5	7.7	10.1	10.0	14.1	13.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		135,000	
		kW	23.4		31.7		39.6	
	Power input	kW	5.33		7.33		9.63	
(460)	Current input	A	7.4		10.2		13.4	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.83	5.04	6.65	6.86	8.55	9.17
(460)	Current input	A	6.7	7.0	9.2	9.5	11.9	12.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room) *3		dB <A>	74.0/76.0		76.0 / 77.5		79.5/80.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	25		29		35	
Maximum Overcurrent Protection		A	40		45		50	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6700 / 6700		7400 / 7400		7750 / 7750	
		m^3 / min	190 / 190		210 / 210		220 / 220	
	*3	L / s	3170 / 3170		3500 / 3500		3670 / 3670	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.8		4.5		6.5	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 × 48-7/8 × 29-3/16		71-5/8 × 48-7/8 × 29-3/16		71-5/8 × 48-7/8 × 29-3/16	
		mm	1818 × 1240 × 740		1818 × 1240 × 740		1818 × 1240 × 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	644 (292)		688 (312)		691 (313)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series H2i (460V)
PUHY-HP YSNU-A1

► Specifications

Outdoor Model			PUHY-HP144YSNU-A1		PUHY-HP192YSNU-A1		PUHY-HP240YSNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000		192,000		230,000	
		kW	42.2		56.3		67.4	
	Power input	kW	12.20		13.79		19.37	
(460)	Current input	A	17.0		19.2		27.0	
(Rated)		BTU / h	138,000		184,000		230,000	
		kW	40.4		53.9		67.4	
	Power input	kW	11.73	12.34	15.79	15.27	22.50	20.35
(460)	Current input	A	16.3	17.2	22.0	21.2	31.3	28.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	160,000		215,000		270,000	
		kW	46.9		63.0		79.1	
	Power input	kW	11.70		15.91		21.38	
(460)	Current input	A	16.3		22.1		29.8	
(Rated)		BTU / h	152,000		206,000		258,000	
		kW	44.5		60.4		75.6	
	Power input	kW	10.50	10.99	14.39	14.79	19.52	19.76
(460)	Current input	A	14.6	15.3	20.0	20.6	27.2	27.5
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~48		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	77.5/79.5		79.5 / 81.0		83.0/84.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-HP72YNU-A1	PUHY-HP72YNU-A1	PUHY-HP96YNU-A1	PUHY-HP96YNU-A1	PUHY-HP120YNU-A1	PUHY-HP120YNU-A1
Minimum Circuit Ampacity		A	25	25	29	29	35	35
Maximum Overcurrent Protection		A	40	40	45	45	50	50
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
	Airflow rate	cfm	6700 / 6700	6700 / 6700	7400 / 7400	7400 / 7400	7750 / 7750	7750 / 7750
		m^3 / min	190 / 190	190 / 190	210 / 210	210 / 210	220 / 220	220 / 220
	*3	L / s	3170 / 3170	3170 / 3170	3500 / 3500	3500 / 3500	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	3.8	4.5	4.5	6.5	6.5
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 x 740	1818 x 1240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A × 21 lbs + 9 oz (9.8 kg)	R410A × 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	644 (292)	644 (292)	688 (312)	688 (312)	691 (313)	691 (313)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP72TNU-A1 (-BS)		PUHY-EP96TNU-A1 (-BS)		PUHY-EP120TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		115,000	
	*1	kW	21.1		28.1		33.7	
	Power input	kW	4.58		6.12		8.19	
(208-230)	Current input	A	14.1-12.7		18.8-17.0		25.2-22.8	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	4.94	5.45	7.36	7.45	10.41	10.38
(208-230)	Current input	A	15.2-13.7	16.8-15.2	22.6-20.5	22.9-20.7	32.1-29.0	32.0-28.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
	Power input	kW	5.21		7.26		9.63	
(208-230)	Current input	A	16.0-14.5		22.3-20.2		29.7-26.8	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.63	5.01	6.59	6.79	8.66	9.06
(208-230)	Current input	A	14.2-12.9	15.4-13.9	20.3-18.3	20.9-18.9	26.7-24.1	27.9-25.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*3	dB <A>	74.5 / 76.0		75.0/77.5		79.5 / 81.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	32-29		44-40		55-49	
Maximum Overcurrent Protection		A	50-45		70-60		90-80	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6000 / 6000		6700 / 6700		7750 / 7750	
		m^3 / min	170 / 170		190 / 190		220 / 220	
	*3	L / s	2830 / 2830		3170 / 3170		3670 / 3670	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.6		5.4		7.4	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight		lbs (kg)	512 (232)		622 (282)		633 (287)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP144TNU-A1 (-BS)		PUHY-EP168TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000		168,000	
	*1	kW	42.2		49.2	
(208-230)	Power input	kW	10.63		13.53	
(208-230)	Current input	A	32.7-29.6		41.7-37.7	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
(208-230)	Power input	kW	12.72	12.70	15.65	15.33
(208-230)	Current input	A	39.2-35.4	39.1-35.4	48.2-43.6	47.2-42.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000	
	*2	kW	46.9		55.1	
(208-230)	Power input	kW	11.84		13.95	
(208-230)	Current input	A	36.5-33.0		43.0-38.9	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
(208-230)	Power input	kW	10.74	11.02	12.29	13.17
(208-230)	Current input	A	33.1-29.9	33.9-30.7	37.9-34.2	40.6-36.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room)	*3	dB <A>	84.0 / 83.5		81.0 / 80.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	60-60		70-67	
Maximum Overcurrent Protection		A	100-100		110-110	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9200 / 9200		11650 / 10600	
		m^3 / min	260 / 260		330 / 300	
	*3	L / s	4330 / 4330		5500 / 5000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.3		11.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	680 (308)		761 (345)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP192TNU-A1 (-BS)		PUHY-EP216TNU-A1 (-BS)		PUHY-EP240TNU-A1(-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000		216,000		240,000	
	*1	kW	56.3		63.3		70.3	
	Power input	kW	16.66		18.33		21.35	
(208-230)	Current input	A	51.3-46.4		56.5-51.1		65.8-59.5	
(Rated)		BTU / h	184,000		206,000		214,000	
		kW	53.9		60.4		62.7	
	Power input	kW	17.64	17.44	20.56	20.13	21.36	20.89
(208-230)	Current input	A	54.4-49.2	53.7-48.6	63.4-57.3	62.0-56.1	65.8-59.5	64.4-58.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	215,000		243,000		250,000	
	*2	kW	63.0		71.2		73.3	
	Power input	kW	16.38		20.00		21.44	
(208-230)	Current input	A	50.5-45.6		61.6-55.7		66.1-59.7	
(Rated)		BTU / h	204,000		232,000		240,000	
		kW	59.8		68.0		70.3	
	Power input	kW	14.35	15.55	17.79	18.92	19.61	19.96
(208-230)	Current input	A	44.2-40.0	47.9-43.3	54.8-49.6	58.3-52.7	60.4-54.6	61.5-55.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	88.0 / 86.5		88.0 / 86.5		91.5 / 87.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity		A	80-74		88-80		88-85	
Maximum Overcurrent Protection		A	125-125		150-125		150-125	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	14100 / 13750		14100 / 13750		14100 / 13750	
		m^3 / min	400 / 390		400 / 390		400 / 390	
	*3	L / s	6670 / 6500		6670 / 6500		6670 / 6500	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92		0.92+0.92	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	13.2		15.8		17	
	Case heater	kW	0.048		0.048		0.048	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,750 x 740		1,818 x 1,750 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A × 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight		lbs (kg)	874 (396)		874 (396)		874 (396)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 The sound pressure level measured by the conventional method in JIS for reference purpose.
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP192TSNU-A1 (-BS)		PUHY-EP216TSNU-A1 (-BS)		PUHY-EP240TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000		216,000		240,000	
	*1	kW	56.3		63.3		70.3	
(208-230)	Power input	kW	13.57		15.70		18.60	
(208-230)	Current input	A	41.8-37.8		48.4-43.7		57.3-51.8	
(Rated)		BTU / h	184,000		206,000		230,000	
(Rated)		kW	53.9		60.4		67.4	
(208-230)	Power input	kW	15.92	15.83	18.31	18.94	22.73	21.79
(208-230)	Current input	A	49.0-44.4	48.8-44.1	56.4-51.0	58.4-52.8	70.1-63.3	67.2-60.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	216,000		243,000		270,000	
	*2	kW	63.3		71.2		79.1	
(208-230)	Power input	kW	15.74		18.18		21.39	
(208-230)	Current input	A	48.5-43.9		56.0-50.7		65.9-59.6	
(Rated)		BTU / h	206,000		232,000		258,000	
(Rated)		kW	60.4		68.0		75.6	
(208-230)	Power input	kW	14.24	14.62	16.39	16.94	19.79	19.52
(208-230)	Current input	A	43.9-39.7	45.0-40.7	50.5-45.7	52.2-47.2	61.0-55.1	60.2-54.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	78.5/81.0		81.0 / 83.0		83.0 / 84.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-EP96TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	44-40	44-40	44-40	55-49	55-49	55-49
Maximum Overcurrent Protection		A	70-60	70-60	70-60	90-80	90-80	90-80
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
	Airflow rate	cfm	6700 / 6700	6700 / 6700	6700 / 6700	7750 / 7750	7750 / 7750	7750 / 7750
		m^3 / min	190 / 190	190 / 190	190 / 190	220 / 220	220 / 220	220 / 220
	*3	L / s	3170 / 3170	3170 / 3170	3170 / 3170	3670 / 3670	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.4	5.4	5.4	7.4	7.4	7.4
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	622 (282)	622 (282)	622 (282)	633 (287)	633 (287)	633 (287)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP264TSNU-A1 (-BS)		PUHY-EP288TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000	
	*1	kW	77.4		84.4	
	Power input	kW	19.61		21.79	
(208-230)	Current input	A	60.4-54.6		67.2-60.7	
(Rated)		BTU / h	252,000		276,000	
		kW	73.9		80.9	
	Power input	kW	21.78	21.27	25.44	24.64
(208-230)	Current input	A	67.1-60.7	65.5-59.3	78.4-70.9	75.9-68.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	296,000		323,000	
	*2	kW	86.8		94.7	
	Power input	kW	22.13		24.54	
(208-230)	Current input	A	68.2-61.7		75.6-68.4	
(Rated)		BTU / h	282,000		308,000	
		kW	82.6		90.3	
	Power input	kW	20.49	20.21	22.60	22.57
(208-230)	Current input	A	63.1-57.1	62.3-56.3	69.7-63.0	69.6-62.9
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	80.0 / 82.0		82.0/83.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-EP72TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP72TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	32-29	44-40	44-40	32-29	44-40	55-49
Maximum Overcurrent Protection		A	50-45	70-60	70-60	50-45	70-60	90-80
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6000 / 6000	6700 / 6700	6700 / 6700	6000 / 6000	6700 / 6700	7750 / 7750
		m^3 / min	170 / 170	190 / 190	190 / 190	170 / 170	190 / 190	220 / 220
	*3	L / s	2830 / 2830	3170 / 3170	3170 / 3170	2830 / 2830	3170 / 3170	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.6	5.4	5.4	3.6	5.4	7.4
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	512 (232)	622 (282)	622 (282)	512 (232)	622 (282)	633 (287)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TSNU-A1(-BS)


► Specifications

Outdoor Model			PUHY-EP312TSNU-A1 (-BS)		PUHY-EP336TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	312,000		336,000	
	*1	kW	91.4		98.5	
	Power input	kW	24.33		26.34	
(208-230)	Current input	A	75.0-67.8		81.2-73.4	
(Rated)		BTU / h	298,000		320,000	
		kW	87.3		93.8	
	Power input	kW	29.62	27.65	31.40	29.39
(208-230)	Current input	A	91.3-82.6	85.2-77.1	96.8-87.5	90.6-81.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	350,000		378,000	
	*2	kW	102.6		110.8	
	Power input	kW	27.37		30.01	
(208-230)	Current input	A	84.4-76.3		92.5-83.7	
(Rated)		BTU / h	334,000		360,000	
		kW	97.9		105.5	
	Power input	kW	25.35	25.02	28.07	26.99
(208-230)	Current input	A	78.1-70.7	77.1-69.7	86.5-78.2	83.2-75.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	83.5 / 85.0		83.5 / 85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP72TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	32-29	55-49	55-49	44-40	55-49	55-49
Maximum Overcurrent Protection		A	50-45	90-80	90-80	70-60	90-80	90-80
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
	Airflow rate	cfm	6000 / 6000	7750 / 7750	7750 / 7750	6700 / 6700	7750 / 7750	7750 / 7750
		m^3 / min	170 / 170	220 / 220	220 / 220	190 / 190	220 / 220	220 / 220
	*3	L / s	2830 / 2830	3670 / 3670	3670 / 3670	3170 / 3170	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.6	7.4	7.4	5.4	7.4	7.4
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	512 (232)	633 (287)	633 (287)	622 (282)	633 (287)	633 (287)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP360TSNU-A1 (-BS)		PUHY-EP384TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	360,000		384,000	
	*1	kW	105.5		112.5	
	Power input	kW	28.67		31.41	
(208-230)	Current input	A	88.4-79.9		96.8-87.6	
(Rated)		BTU / h	344,000		364,000	
		kW	100.8		106.7	
	Power input	kW	34.73	32.89	38.77	35.47
(208-230)	Current input	A	107.1-96.8	101.4-91.7	119.5-108.1	109.3-98.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	405,000		430,000	
	*2	kW	118.7		126.0	
	Power input	kW	32.65		35.13	
(208-230)	Current input	A	100.6-91.0		108.3-97.9	
(Rated)		BTU / h	386,000		410,000	
		kW	113.1		120.2	
	Power input	kW	30.33	29.59	32.96	31.88
(208-230)	Current input	A	93.5-84.5	91.2-82.5	101.6-91.9	98.3-88.9
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	84.5 / 86.0		86.5 / 87.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)
Minimum Circuit Ampacity		A	55-49	55-49	55-49	55-49	55-49	60-60
Maximum Overcurrent Protection		A	90-80	90-80	90-80	90-80	90-80	100-100
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
	Airflow rate	cfm	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	9200 / 9200
		m^3 / min	220 / 220	220 / 220	220 / 220	220 / 220	220 / 220	260 / 260
	*3	L / s	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.4	7.4	7.4	7.4	7.4	9.3
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	633 (287)	633 (287)	633 (287)	633 (287)	633 (287)	680 (308)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (208-230V)
PUHY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP408TSNU-A1 (-BS)		PUHY-EP432TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	408,000		432,000	
	*1	kW	119.6		126.6	
	Power input	kW	34.31		37.39	
(208-230)	Current input	A	105.8-95.6		115.3-104.2	
(Rated)		BTU / h	390,000		410,000	
		kW	114.3		120.2	
	Power input	kW	41.87	38.28	44.00	40.19
(208-230)	Current input	A	129.1-116.7	118.0-106.7	135.7-122.7	123.9-112.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	455,000		480,000	
	*2	kW	133.4		140.7	
	Power input	kW	37.71		40.45	
(208-230)	Current input	A	116.3-105.1		124.7-112.8	
(Rated)		BTU / h	430,000		455,000	
		kW	126.0		133.4	
	Power input	kW	35.33	33.88	38.29	36.46
(208-230)	Current input	A	108.9-98.5	104.4-94.4	118.0-106.7	112.4-101.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/3~50		P04~P96/3~50	
Sound power level (measured in anechoic room)	*3	dB <A>	88.0 / 88.0		89.0 / 88.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP120TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)	PUHY-EP144TNU-A1 (-BS)
Minimum Circuit Ampacity		A	55-49	60-60	60-60	60-60	60-60	60-60
Maximum Overcurrent Protection		A	90-80	100-100	100-100	100-100	100-100	100-100
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
	Airflow rate	cfm	7750 / 7750	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200
		m^3 / min	220 / 220	260 / 260	260 / 260	260 / 260	260 / 260	260 / 260
	*3	L / s	3670 / 3670	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.4	9.3	9.3	9.3	9.3	9.3
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	633 (287)	680 (308)	680 (308)	680 (308)	680 (308)	680 (308)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP72YNU-A1 (-BS)		PUHY-EP96YNU-A1 (-BS)		PUHY-EP120YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
	Power input	kW	4.58		6.12		8.19	
(460)	Current input	A	6.3		8.5		11.4	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	4.94	5.45	7.36	7.45	10.41	10.38
(460)	Current input	A	6.8	7.6	10.2	10.3	14.5	14.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
	Power input	kW	5.21		7.26		9.63	
(460)	Current input	A	7.2		10.1		13.4	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.63	5.01	6.59	6.79	8.66	9.06
(460)	Current input	A	6.4	6.9	9.1	9.4	12.0	12.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*3	dB <A>	74.5 / 76.0		75.0/77.5		79.5 / 81.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	14		20		25	
Maximum Overcurrent Protection		A	20		30		40	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6000 / 6000		6700 / 6700		7750 / 7750	
		m^3 / min	170 / 170		190 / 190		220 / 220	
	*3	L / s	2830 / 2830		3170 / 3170		3670 / 3670	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.6		5.4		7.4	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight		lbs (kg)	545 (247)		657 (298)		668 (303)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP144YNU-A1 (-BS)		PUHY-EP168YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000		168,000	
	*1	kW	42.2		49.2	
	Power input	kW	10.63		13.53	
(460)	Current input	A	14.8		18.8	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
	Power input	kW	12.72	12.70	15.65	15.33
(460)	Current input	A	17.7	17.7	21.8	21.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000	
	*2	kW	46.9		55.1	
	Power input	kW	11.84		13.95	
(460)	Current input	A	16.5		19.4	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
	Power input	kW	10.74	11.02	12.29	13.17
(460)	Current input	A	14.9	15.3	17.1	18.3
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room)	*3	dB <A>	84.0 / 83.5		81.0 / 80.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	33		34	
Maximum Overcurrent Protection		A	50		50	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9200 / 9200		11650 / 10600	
		m^3 / min	260 / 260		330 / 300	
	*3	L / s	4330 / 4330		5500 / 5000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.3		11.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	715 (324)		794 (360)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP192YNU-A1 (-BS)		PUHY-EP216YNU-A1 (-BS)		PUHY-EP240YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000		216,000		240,000	
	*1	kW	56.3		63.3		70.3	
	Power input	kW	16.66		18.33		21.35	
(460)	Current input	A	23.2		25.5		29.7	
(Rated)		BTU / h	184,000		206,000		214,000	
		kW	53.9		60.4		62.7	
	Power input	kW	17.64	17.44	20.56	20.13	21.36	20.89
(460)	Current input	A	24.6	24.3	28.6	28.0	29.7	29.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	215,000		243,000		250,000	
	*2	kW	63.0		71.2		73.3	
	Power input	kW	16.38		20.00		21.44	
(460)	Current input	A	22.8		27.8		29.8	
(Rated)		BTU / h	204,000		232,000		240,000	
		kW	59.8		68.0		70.3	
	Power input	kW	14.35	15.55	17.79	18.92	19.61	19.96
(460)	Current input	A	20.0	21.6	24.8	26.3	27.3	27.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	88.0 / 86.5		88.0 / 86.5		91.5 / 87.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity		A	37		40		41	
Maximum Overcurrent Protection		A	60		60		70	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	14100 / 13750		14100 / 13750		14100 / 13750	
		m^3 / min	400 / 390		400 / 390		400 / 390	
	*3	L / s	6670 / 6500		6670 / 6500		6670 / 6500	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92		0.92+0.92	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	13.2		15.8		17	
	Case heater	kW	0.045		0.048		0.048	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,750 x 740		1,818 x 1,750 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection		Over-heat protection , Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A × 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight		lbs (kg)	904 (410)		904 (410)		904 (410)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 The sound pressure level measured by the conventional method in JIS for reference purpose.
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model				PUHY-EP192YSNU-A1 (-BS)		PUHY-EP216YSNU-A1 (-BS)		PUHY-EP240YSNU-A1 (-BS)	
Indoor Model				Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source				3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)		*1	BTU / h	192,000		216,000		240,000	
		*1	kW	56.3		63.3		70.3	
	Power input		kW	13.57		15.70		18.60	
(460)	Current input		A	18.9		21.8		25.9	
(Rated)			BTU / h	184,000		206,000		230,000	
			kW	53.9		60.4		67.4	
	Power input		kW	15.92	15.83	18.31	18.94	22.73	21.79
(460)	Current input		A	22.2	22.0	25.5	26.4	31.6	30.3
Temp. range of cooling	Indoor		W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor		D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)		*2	BTU / h	216,000		243,000		270,000	
		*2	kW	63.3		71.2		79.1	
	Power input		kW	15.74		18.18		21.39	
(460)	Current input		A	21.9		25.3		29.8	
(Rated)			BTU / h	206,000		232,000		258,000	
			kW	60.4		68.0		75.6	
	Power input		kW	14.24	14.62	16.39	16.94	19.79	19.52
(460)	Current input		A	19.8	20.3	22.8	23.6	27.5	27.2
Temp. range of heating	Indoor		D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor		W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity			P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)		*3	dB <A>	78.5/81.0		81.0 / 83.0		83.0 / 84.5	
Refrigerant piping diameter	Liquid pipe		in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe		in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model				PUHY-EP96YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)
Minimum Circuit Ampacity			A	20	20	20	25	25	25
Maximum Overcurrent Protection			A	30	30	30	40	40	40
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
	Airflow rate		cfm	6700 / 6700	6700 / 6700	6700 / 6700	7750 / 7750	7750 / 7750	7750 / 7750
			m^3 / min	190 / 190	190 / 190	190 / 190	220 / 220	220 / 220	220 / 220
		*3	L / s	3170 / 3170	3170 / 3170	3170 / 3170	3670 / 3670	3670 / 3670	3670 / 3670
	Control, Driving mechanism			Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output		kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity			Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method			Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output		kW	5.4	5.4	5.4	7.4	7.4	7.4
	Case heater		kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D			in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
			mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor			-	-	-	-	-	-
Refrigerant	Type x original charge			R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight			lbs (kg)	657 (298)	657 (298)	657 (298)	668 (303)	668 (303)	668 (303)
Heat exchanger				Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	Liquid pipe		in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe		in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts				Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP264YSNU-A1 (-BS)		PUHY-EP288YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000	
	*1	kW	77.4		84.4	
(460) (Rated)	Power input	kW	19.61		21.79	
	Current input	A	27.3		30.3	
		BTU / h	252,000		276,000	
		kW	73.9		80.9	
(460)	Power input	kW	21.78	21.27	25.44	24.64
	Current input	A	30.3	29.6	35.4	34.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	296,000		323,000	
	*2	kW	86.8		94.7	
(460) (Rated)	Power input	kW	22.13		24.54	
	Current input	A	30.8		34.2	
		BTU / h	282,000		308,000	
		kW	82.6		90.3	
(460)	Power input	kW	20.49	20.21	22.60	22.57
	Current input	A	28.5	28.1	31.5	31.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	80.0 / 82.0		82.0/83.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-EP72YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP72YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	14	20	20	14	20	25
Maximum Overcurrent Protection		A	20	30	30	20	30	40
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6000 / 6000	6700 / 6700	6700 / 6700	6000 / 6000	6700 / 6700	7750 / 7750
		m^3 / min	170 / 170	190 / 190	190 / 190	170 / 170	190 / 190	220 / 220
	*3	L / s	2830 / 2830	3170 / 3170	3170 / 3170	2830 / 2830	3170 / 3170	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.6	5.4	5.4	3.6	5.4	7.4
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 920 x 740	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A × 21 lbs + 9 oz (9.8kg)	R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	545 (247)	657 (298)	657 (298)	545 (247)	657 (298)	668 (303)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YSNU-A1(-BS)


► Specifications

Outdoor Model			PUHY-EP312YSNU-A1 (-BS)		PUHY-EP336YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	312,000		336,000	
	*1	kW	91.4		98.5	
	Power input	kW	24.33		26.34	
	(460) Current input	A	33.9		36.7	
(Rated)		BTU / h	298,000		320,000	
		kW	87.3		93.8	
	Power input	kW	29.62	27.65	31.40	29.39
	(460) Current input	A	41.3	38.5	43.7	40.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	350,000		378,000	
	*2	kW	102.6		110.8	
	Power input	kW	27.37		30.01	
	(460) Current input	A	38.1		41.8	
(Rated)		BTU / h	334,000		360,000	
		kW	97.9		105.5	
	Power input	kW	25.35	25.02	28.07	26.99
	(460) Current input	A	35.3	34.8	39.1	37.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	83.5 / 85.0		83.5 / 85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP72YNU-A1 (-BS)	PUHY-EP120YNU-A1(-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP96YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	14	25	25	20	25	25
Maximum Overcurrent Protection		A	20	40	40	30	40	40
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
	Airflow rate	cfm	6000 / 6000	7750 / 7750	7750 / 7750	6700 / 6700	7750 / 7750	7750 / 7750
		m^3 / min	170 / 170	220 / 220	220 / 220	190 / 190	220 / 220	220 / 220
	*3	L / s	2830 / 2830	3670 / 3670	3670 / 3670	3170 / 3170	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.6	7.4	7.4	5.4	7.4	7.4
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	545 (247)	668 (303)	668 (303)	657 (298)	668 (303)	668 (303)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP360YSNU-A1 (-BS)		PUHY-EP384YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	360,000		384,000	
	*1	kW	105.5		112.5	
	Power input	kW	28.67		31.41	
(460)	Current input	A	39.9		43.8	
(Rated)		BTU / h	344,000		364,000	
		kW	100.8		106.7	
	Power input	kW	34.73	32.89	38.77	35.47
(460)	Current input	A	48.4	45.8	54.0	49.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	405,000		430,000	
	*2	kW	118.7		126.0	
	Power input	kW	32.65		35.13	
(460)	Current input	A	45.5		48.9	
(Rated)		BTU / h	386,000		410,000	
		kW	113.1		120.2	
	Power input	kW	30.33	29.59	32.96	31.88
(460)	Current input	A	42.2	41.2	45.9	44.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	84.5 / 86.0		86.5 / 87.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP120YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)
Minimum Circuit Ampacity		A	25	25	25	25	25	33
Maximum Overcurrent Protection		A	40	40	40	40	40	50
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
	Airflow rate	cfm	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	9200 / 9200
		m^3 / min	220 / 220	220 / 220	220 / 220	220 / 220	220 / 220	260 / 260
	*3	L / s	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.4	7.4	7.4	7.4	7.4	9.3
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	668 (303)	668 (303)	668 (303)	668 (303)	668 (303)	715 (324)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series High efficiency (460V)
PUHY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-EP408YSNU-A1 (-BS)		PUHY-EP432YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	408,000		432,000	
	*1	kW	119.6		126.6	
	Power input	kW	34.31		37.39	
	(460) Current input	A	47.8		52.1	
	(Rated)	BTU / h	390,000		410,000	
		kW	114.3		120.2	
	Power input	kW	41.87	38.28	44.00	40.19
	(460) Current input	A	58.3	53.3	61.3	56.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	455,000		480,000	
	*2	kW	133.4		140.7	
	Power input	kW	37.71		40.45	
	(460) Current input	A	52.5		56.4	
	(Rated)	BTU / h	430,000		455,000	
		kW	126.0		133.4	
	Power input	kW	35.33	33.88	38.29	36.46
	(460) Current input	A	49.2	47.2	53.3	50.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/3~50		P04~P96/3~50	
Sound power level (measured in anechoic room)	*3	dB <A>	88.0 / 88.0		89.0 / 88.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-EP120YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)	PUHY-EP144YNU-A1 (-BS)
Minimum Circuit Ampacity		A	25	33	33	33	33	33
Maximum Overcurrent Protection		A	40	50	50	50	50	50
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
	Airflow rate	cfm	7750 / 7750	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200
		m^3 / min	220 / 220	260 / 260	260 / 260	260 / 260	260 / 260	260 / 260
	*3	L / s	3670 / 3670	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
	*4 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.4	9.3	9.3	9.3	9.3	9.3
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	668 (303)	715 (324)	715 (324)	715 (324)	715 (324)	715 (324)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P72TNU-A1 (-BS)		PUHY-P96TNU-A1 (-BS)		PUHY-P120TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
(208-230)	Power input	kW	5.02		6.46		8.88	
(208-230)	Current input	A	15.4-14.0		19.9-18.0		27.3-24.7	
(Rated)		BTU / h	69,000		92,000		115,000	
(Rated)		kW	20.2		27.0		33.7	
(208-230)	Power input	kW	5.66	6.13	7.82	7.93	10.91	10.80
(208-230)	Current input	A	17.4-15.7	18.9-17.0	24.1-21.8	24.4-22.1	33.6-30.4	33.3-30.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
(208-230)	Power input	kW	5.42		7.37		9.97	
(208-230)	Current input	A	16.7-15.1		22.7-20.5		30.7-27.8	
(Rated)		BTU / h	76,000		103,000		129,000	
(Rated)		kW	22.3		30.2		37.8	
(208-230)	Power input	kW	4.89	5.13	6.67	6.90	9.01	9.33
(208-230)	Current input	A	15.0-13.6	15.8-14.3	20.5-18.6	21.2-19.2	27.7-25.1	28.7-26.0
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*4	dB <A>	74.5 / 76.5		75.5/77.5		80.0/81.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	29-26		40-36		50-46	
Maximum Overcurrent Protection		A	45-40		60-50		80-70	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6000 / 6000		6700 / 6700		7750 / 7750	
		m^3 / min	170 / 170		190 / 190		220 / 220	
	*4	L / s	2830 / 2830		3170 / 3170		3670 / 3670	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.8		5.5		7.7	
	Case heater	kW	0.035		0.035		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight		lbs (kg)	470 (213)		580 (263)		605 (274)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P144TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000	
	*1	kW	42.2	
	Power input	kW	11.08	
(208-230)	Current input	A	34.1-30.9	
(Rated)		BTU / h	138,000	
		kW	40.4	
	Power input	kW	12.84	13.36
(208-230)	Current input	A	39.6-35.8	41.2-37.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000	
	*2	kW	46.9	
	Power input	kW	12.21	
(208-230)	Current input	A	37.6-34.0	
(Rated)		BTU / h	152,000	
		kW	44.5	
	Power input	kW	11.06	11.39
(208-230)	Current input	A	34.1-30.8	35.1-31.7
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36	
Sound power level (measured in anechoic room)	*4	dB <A>	83.0/84.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	60-55	
Maximum Overcurrent Protection		A	100-90	
FAN	Type x Quantity		Propeller fan x 2	
	Airflow rate	cfm	9200 / 9200	
		m^3 / min	260 / 260	
	*4	L / s	4330 / 4330	
	Control, Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	
*5	External static press.		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	
	Motor output	kW	9.6	
	Case heater	kW	0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 1,240 x 740	
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	
	Fan motor		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	649 (294)	
Heat exchanger			Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/102LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P192TSNU-A1 (-BS)		PUHY-P216TSNU-A1 (-BS)		PUHY-P240TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000		216,000		240,000	
	*1	kW	56.3		63.3		70.3	
(208-230) (Rated)	Power input	kW	14.29		16.78		19.97	
	Current input	A	44.0-39.8		51.7-46.8		61.5-55.6	
		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
(208-230)	Power input	kW	16.97	16.93	19.19	19.93	22.95	22.48
	Current input	A	52.3-47.3	52.2-47.2	59.1-53.5	61.4-55.5	70.7-64.0	69.3-62.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	216,000		243,000		270,000	
	*2	kW	63.3		71.2		79.1	
(208-230) (Rated)	Power input	kW	15.95		18.63		22.12	
	Current input	A	49.1-44.4		57.4-51.9		68.2-61.6	
		BTU / h	206,000		232,000		258,000	
		kW	60.4		68.0		75.6	
(208-230)	Power input	kW	14.43	14.83	16.82	17.36	20.58	20.07
	Current input	A	44.5-40.2	45.7-41.3	51.8-46.9	53.5-48.4	63.4-57.4	61.8-55.9
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	79.0/81.0		81.5/83.0		83.5/84.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-P96TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	40-36	40-36	40-36	50-46	50-46	50-46
Maximum Overcurrent Protection		A	60-50	60-50	60-50	80-70	80-70	80-70
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
	Airflow rate	cfm	6700 / 6700	6700 / 6700	6700 / 6700	7750 / 7750	7750 / 7750	7750 / 7750
		m^3 / min	190 / 190	190 / 190	190 / 190	220 / 220	220 / 220	220 / 220
	*4	L / s	3170 / 3170	3170 / 3170	3170 / 3170	3670 / 3670	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	5.5	7.7	7.7	7.7
	Case heater	kW	0.035	0.035	0.035	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	580 (263)	580 (263)	580 (263)	605 (274)	605 (274)	605 (274)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P264TSNU-A1 (-BS)		PUHY-P288TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000	
	*1	kW	77.4		84.4	
	Power input	kW	20.69		23.21	
(208-230)	Current input	A	63.8-57.7		71.5-64.7	
(Rated)		BTU / h	252,000		276,000	
		kW	73.9		80.9	
	Power input	kW	23.45	23.16	26.97	26.14
(208-230)	Current input	A	72.3-65.4	71.4-64.5	83.1-75.2	80.6-72.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	296,000		323,000	
	*2	kW	86.8		94.7	
	Power input	kW	22.63		25.23	
(208-230)	Current input	A	69.7-63.1		77.8-70.3	
(Rated)		BTU / h	282,000		308,000	
		kW	82.6		90.3	
	Power input	kW	21.04	20.58	23.40	23.05
(208-230)	Current input	A	64.8-58.6	63.4-57.4	72.1-65.2	71.0-64.2
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	80.0/82.0		82.5/84.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-P72TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P72TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	29-26	40-36	40-36	29-26	40-36	50-46
Maximum Overcurrent Protection		A	45-40	60-50	60-50	45-40	60-50	80-70
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6000 / 6000	6700 / 6700	6700 / 6700	6000 / 6000	6700 / 6700	7750 / 7750
		m^3 / min	170 / 170	190 / 190	190 / 190	170 / 170	190 / 190	220 / 220
	*4	L / s	2830 / 2830	3170 / 3170	3170 / 3170	2830 / 2830	3170 / 3170	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	5.5	5.5	3.8	5.5	7.7
	Case heater	kW	0.035	0.035	0.035	0.035	0.035	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	470 (213)	580 (263)	580 (263)	470 (213)	580 (263)	605 (274)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P312TSNU-A1 (-BS)		PUHY-P336TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	312,000		336,000	
	*1	kW	91.4		98.5	
	Power input	kW	25.98		27.77	
(208-230)	Current input	A	80.1-72.4		85.6-77.4	
(Rated)		BTU / h	298,000		320,000	
		kW	87.3		93.8	
	Power input	kW	30.88	29.10	32.73	30.92
(208-230)	Current input	A	95.2-86.1	89.7-81.1	100.9-91.2	95.3-86.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	350,000		378,000	
	*2	kW	102.6		110.8	
	Power input	kW	28.28		30.84	
(208-230)	Current input	A	87.2-78.8		95.1-86.0	
(Rated)		BTU / h	334,000		360,000	
		kW	97.9		105.5	
	Power input	kW	26.42	25.64	28.95	27.66
(208-230)	Current input	A	81.4-73.6	79.0-71.5	89.2-80.7	85.3-77.1
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	84.0/85.0		84.0/85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P72TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P96TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	29-26	50-46	50-46	40-36	50-46	50-46
Maximum Overcurrent Protection		A	45-40	80-70	80-70	60-50	80-70	80-70
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
	Airflow rate	cfm	6000 / 6000	7750 / 7750	7750 / 7750	6700 / 6700	7750 / 7750	7750 / 7750
		m^3 / min	170 / 170	220 / 220	220 / 220	190 / 190	220 / 220	220 / 220
	*4	L / s	2830 / 2830	3670 / 3670	3670 / 3670	3170 / 3170	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	7.7	7.7	5.5	7.7	7.7
	Case heater	kW	0.035	0.045	0.045	0.035	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	470 (213)	605 (274)	605 (274)	580 (263)	605 (274)	605 (274)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P360TSNU-A1 (-BS)		PUHY-P384TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	360,000		384,000	
	*1	kW	105.5		112.5	
	Power input	kW	30.67		33.18	
(208-230)	Current input	A	94.5-85.5		102.3-92.5	
(Rated)		BTU / h	344,000		364,000	
		kW	100.8		106.7	
	Power input	kW	35.86	33.94	39.21	36.23
(208-230)	Current input	A	110.5-100.0	104.6-94.6	120.9-109.3	111.7-101.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	405,000		430,000	
	*2	kW	118.7		126.0	
	Power input	kW	33.78		36.26	
(208-230)	Current input	A	104.1-94.2		111.8-101.1	
(Rated)		BTU / h	386,000		410,000	
		kW	113.1		120.2	
	Power input	kW	31.57	30.43	34.14	32.80
(208-230)	Current input	A	97.3-88.0	93.8-84.8	105.2-95.2	101.1-91.4
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	85.0/86.0		86.5/87.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)	PUHY-P144TNU-A1(-BS)
Minimum Circuit Ampacity		A	50-46	50-46	50-46	50-46	50-46	60-55
Maximum Overcurrent Protection		A	80-70	80-70	80-70	80-70	80-70	100-90
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
	Airflow rate	cfm	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	9200 / 9200
		m^3 / min	220 / 220	220 / 220	220 / 220	220 / 220	220 / 220	260 / 260
	*4	L / s	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.7	7.7	7.7	7.7	7.7	9.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A × 23 lbs + 12 oz (10.8kg)
Net weight		lbs (kg)	605 (274)	605 (274)	605 (274)	605 (274)	605 (274)	649 (294)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (208-230V)
PUHY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P408TSNU-A1 (-BS)		PUHY-P432TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	408,000		432,000	
	*1	kW	119.6		126.6	
	Power input	kW	35.79		38.31	
(208-230)	Current input	A	110.3-99.8		118.1-106.8	
(Rated)		BTU / h	390,000		410,000	
		kW	114.3		120.2	
	Power input	kW	41.87	38.69	44.00	40.62
(208-230)	Current input	A	129.1-116.7	119.3-107.9	135.7-122.7	125.2-113.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	455,000		480,000	
	*2	kW	133.4		140.7	
	Power input	kW	38.94		41.66	
(208-230)	Current input	A	120.0-108.6		128.4-116.1	
(Rated)		BTU / h	430,000		455,000	
		kW	126.0		133.4	
	Power input	kW	36.50	34.97	39.35	37.55
(208-230)	Current input	A	112.5-101.8	107.8-97.5	121.3-109.7	115.8-104.7
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/3~50		P04~P96/3~50	
Sound power level (measured in anechoic room)	*4	dB <A>	87.0/88.0		88.0/89.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P120TNU-A1 (-BS)	PUHY-P144TNU-A1(-BS)	PUHY-P144TNU-A1(-BS)	PUHY-P144TNU-A1(-BS)	PUHY-P144TNU-A1(-BS)	PUHY-P144TNU-A1(-BS)
Minimum Circuit Ampacity		A	50-46	60-55	60-55	60-55	60-55	60-55
Maximum Overcurrent Protection		A	80-70	100-90	100-90	100-90	100-90	100-90
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
	Airflow rate	cfm	7750 / 7750	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200
		m^3 / min	220 / 220	260 / 260	260 / 260	260 / 260	260 / 260	260 / 260
	*4	L / s	3670 / 3670	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.7	9.6	9.6	9.6	9.6	9.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	605 (274)	649 (294)	649 (294)	649 (294)	649 (294)	649 (294)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YNU-A1(-BS)

► Specifications

Outdoor Model				PUHY-P72YNU-A1 (-BS)		PUHY-P96YNU-A1 (-BS)		PUHY-P120YNU-A1 (-BS)	
Indoor Model				Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source				3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)		*1	BTU / h	72,000		96,000		120,000	
		*1	kW	21.1		28.1		35.2	
	Power input		kW	5.02		6.46		8.88	
(460)	Current input		A	7.0		9.0		12.3	
(Rated)			BTU / h	69,000		92,000		115,000	
			kW	20.2		27.0		33.7	
	Power input		kW	5.66	6.13	7.82	7.93	10.91	10.80
(460)	Current input		A	7.8	8.5	10.9	11.0	15.2	15.0
Temp. range of cooling	Indoor		W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor		D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)		*2	BTU / h	80,000		108,000		135,000	
		*2	kW	23.4		31.7		39.6	
	Power input		kW	5.42		7.37		9.97	
(460)	Current input		A	7.5		10.2		13.9	
(Rated)			BTU / h	76,000		103,000		129,000	
			kW	22.3		30.2		37.8	
	Power input		kW	4.89	5.13	6.67	6.90	9.01	9.33
(460)	Current input		A	6.8	7.1	9.3	9.6	12.5	13.0
Temp. range of heating	Indoor	*3	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor		W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity			P04~P72/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)		*4	dB <A>	74.5 / 76.5		75.5/77.5		80.0/81.0	
Refrigerant piping diameter	Liquid pipe		in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
	Gas pipe		in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity			A	13		18		25	
Maximum Overcurrent Protection			A	20		25		40	
FAN	Type x Quantity			Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate		cfm	6000 / 6000		6700 / 6700		7750 / 7750	
			m^3 / min	170 / 170		190 / 190		220 / 220	
		*4	L / s	2830 / 2830		3170 / 3170		3670 / 3670	
	Control, Driving mechanism			Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output		kW	0.92		0.46+0.46		0.46+0.46	
	External static press.	*5		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity			Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method			Inverter		Inverter		Inverter	
	Motor output		kW	3.8		5.5		7.7	
	Case heater		kW	0.035		0.035		0.045	
External finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D			in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
			mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor			-		-		-	
Refrigerant	Type x original charge			R410A x 14 lbs + 5 oz (6.5 kg)		R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight			lbs (kg)	503 (228)		616 (279)		640 (290)	
Heat exchanger				Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts				joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YNU-A1(-BS)

► Specifications

Outdoor Model				PUHY-P144YNU-A1 (-BS)	
Indoor Model				Non-Ducted	Ducted
Power source				3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)		*1	BTU / h	144,000	
		*1	kW	42.2	
	Power input		kW	11.08	
(460)	Current input		A	15.4	
(Rated)			BTU / h	138,000	
			kW	40.4	
	Power input		kW	12.84	13.36
(460)	Current input		A	17.9	18.6
Temp. range of cooling	Indoor		W.B.	59~75°F (15~24°C)	
	Outdoor		D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal)		*2	BTU / h	160,000	
		*2	kW	46.9	
	Power input		kW	12.21	
(460)	Current input		A	17.0	
(Rated)			BTU / h	152,000	
			kW	44.5	
	Power input		kW	11.06	11.39
(460)	Current input		A	15.4	15.8
Temp. range of heating	Indoor	*3	D.B.	59~81°F (15~27°C)	
	Outdoor		W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity			50~130% of outdoor unit capacity	
	Model / Quantity			P04~P96/1~36	
Sound power level (measured in anechoic room)		*4	dB <A>	83.0/84.0	
Refrigerant piping diameter	Liquid pipe		in. (mm)	1/2 (12.7) Brazed	
	Gas pipe		in. (mm)	1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity			A	27	
Maximum Overcurrent Protection			A	45	
FAN	Type x Quantity			Propeller fan x 2	
	Airflow rate		cfm	9200 / 9200	
			m^3 / min	260 / 260	
		*4	L / s	4330 / 4330	
	Control, Driving mechanism			Inverter-control, Brushless DC motor	
	Motor output		kW	0.46+0.46	
*5	External static press.			0 in.WG (0 Pa)	
Compressor	Type x Quantity			Inverter scroll hermetic compressor x 1	
	Starting method			Inverter	
	Motor output		kW	9.6	
	Case heater		kW	0.045	
External finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D			in.	71-5/8 x 48-7/8 x 29-3/16	
			mm	1,818 x 1,240 x 740	
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	
	Fan motor			-	
Refrigerant	Type x original charge			R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight			lbs (kg)	684 (310)	
Heat exchanger				Salt-resistant cross fin & copper tube	
Optional parts				joint: CMY-Y102SS/102LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P192YSNU-A1 (-BS)		PUHY-P216YSNU-A1 (-BS)		PUHY-P240YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	192,000		216,000		240,000	
(Nominal) *1		kW	56.3		63.3		70.3	
	Power input	kW	14.29		16.78		19.97	
(460)	Current input	A	19.9		23.4		27.8	
(Rated)		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
	Power input	kW	16.97	16.93	19.19	19.93	22.95	22.48
(460)	Current input	A	23.6	23.6	26.7	27.7	32.0	31.3
Temp. range of	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
cooling	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	216,000		243,000		270,000	
(Nominal) *2		kW	63.3		71.2		79.1	
	Power input	kW	15.95		18.63		22.12	
(460)	Current input	A	22.2		25.9		30.8	
(Rated)		BTU / h	206,000		232,000		258,000	
		kW	60.4		68.0		75.6	
	Power input	kW	14.43	14.83	16.82	17.36	20.58	20.07
(460)	Current input	A	20.1	20.6	23.4	24.2	28.7	27.9
Temp. range of	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
heating *3	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
connectable	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	79.0/81.0		81.5/83.0		83.5/84.5	
Refrigerant	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed	
piping diameter	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-P96YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	18	18	18	25	25	25
Maximum Overcurrent Protection		A	25	25	25	40	40	40
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
	Airflow rate	cfm	6700 / 6700	6700 / 6700	6700 / 6700	7750 / 7750	7750 / 7750	7750 / 7750
		m^3 / min	190 / 190	190 / 190	190 / 190	220 / 220	220 / 220	220 / 220
	*4	L / s	3170 / 3170	3170 / 3170	3170 / 3170	3670 / 3670	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	5.5	7.7	7.7	7.7
	Case heater	kW	0.035	0.035	0.035	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	616 (279)	616 (279)	616 (279)	640 (290)	640 (290)	640 (290)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
and distributor	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P264YSNU-A1 (-BS)		PUHY-P288YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000	
	*1	kW	77.4		84.4	
	Power input	kW	20.69		23.21	
(460)	Current input	A	28.8		32.3	
(Rated)		BTU / h	252,000		276,000	
		kW	73.9		80.9	
	Power input	kW	23.45	23.16	26.97	26.14
(460)	Current input	A	32.7	32.2	37.6	36.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	296,000		323,000	
	*2	kW	86.8		94.7	
	Power input	kW	22.63		25.23	
(460)	Current input	A	31.5		35.1	
(Rated)		BTU / h	282,000		308,000	
		kW	82.6		90.3	
	Power input	kW	21.04	20.58	23.40	23.05
(460)	Current input	A	29.3	28.7	32.6	32.1
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	80.0/82.0		82.5/84.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-P72YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P72YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	13	18	18	13	18	25
Maximum Overcurrent Protection		A	20	25	25	20	25	40
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6000 / 6000	6700 / 6700	6700 / 6700	6000 / 6000	6700 / 6700	7750 / 7750
		m^3 / min	170 / 170	190 / 190	190 / 190	170 / 170	190 / 190	220 / 220
	*4	L / s	2830 / 2830	3170 / 3170	3170 / 3170	2830 / 2830	3170 / 3170	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	5.5	5.5	3.8	5.5	7.7
	Case heater	kW	0.035	0.035	0.035	0.035	0.035	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	503 (228)	616 (279)	616 (279)	503 (228)	616 (279)	640 (290)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed			3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed			7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P312YSNU-A1 (-BS)		PUHY-P336YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	312,000		336,000	
	*1	kW	91.4		98.5	
	Power input	kW	25.98		27.77	
(460)	Current input	A	36.2		38.7	
(Rated)		BTU / h	298,000		320,000	
		kW	87.3		93.8	
	Power input	kW	30.88	29.10	32.73	30.92
(460)	Current input	A	43.0	40.5	45.6	43.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	350,000		378,000	
	*2	kW	102.6		110.8	
	Power input	kW	28.28		30.84	
(460)	Current input	A	39.4		43.0	
(Rated)		BTU / h	334,000		360,000	
		kW	97.9		105.5	
	Power input	kW	26.42	25.64	28.95	27.66
(460)	Current input	A	36.8	35.7	40.3	38.5
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	84.0/85.0		84.0/85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P72YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P96YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	13	25	25	18	25	25
Maximum Overcurrent Protection		A	20	40	40	25	40	40
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
	Airflow rate	cfm	6000 / 6000	7750 / 7750	7750 / 7750	6700 / 6700	7750 / 7750	7750 / 7750
		m^3 / min	170 / 170	220 / 220	220 / 220	190 / 190	220 / 220	220 / 220
	*4	L / s	2830 / 2830	3670 / 3670	3670 / 3670	3170 / 3170	3670 / 3670	3670 / 3670
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	3.8	7.7	7.7	5.5	7.7	7.7
	Case heater	kW	0.035	0.045	0.045	0.035	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 920 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg)	503 (228)	640 (290)	640 (290)	616 (279)	640 (290)	640 (290)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P360YSNU-A1 (-BS)		PUHY-P384YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	360,000		384,000	
	*1	kW	105.5		112.5	
	Power input	kW	30.67		33.18	
(460)	Current input	A	42.7		46.2	
(Rated)		BTU / h	344,000		364,000	
		kW	100.8		106.7	
	Power input	kW	35.86	33.94	39.21	36.23
(460)	Current input	A	50.0	47.3	54.6	50.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	405,000		430,000	
	*2	kW	118.7		126.0	
	Power input	kW	33.78		36.26	
(460)	Current input	A	47.1		50.5	
(Rated)		BTU / h	386,000		410,000	
		kW	113.1		120.2	
	Power input	kW	31.57	30.43	34.14	32.80
(460)	Current input	A	44.0	42.4	47.6	45.7
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	85.0/86.0		86.5/87.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P120YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)
Minimum Circuit Ampacity		A	25	25	25	25	25	27
Maximum Overcurrent Protection		A	40	40	40	40	40	45
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
	Airflow rate	cfm	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	7750 / 7750	9200 / 9200
		m^3 / min	220 / 220	220 / 220	220 / 220	220 / 220	220 / 220	260 / 260
	*4	L / s	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	3670 / 3670	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.7	7.7	7.7	7.7	7.7	9.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	640 (290)	640 (290)	640 (290)	640 (290)	640 (290)	684 (310)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series Standard (460V)
PUHY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PUHY-P408YSNU-A1 (-BS)		PUHY-P432YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	408,000		432,000	
	*1	kW	119.6		126.6	
	Power input	kW	35.79		38.31	
(460)	Current input	A	49.9		53.4	
(Rated)		BTU / h	390,000		410,000	
		kW	114.3		120.2	
	Power input	kW	41.87	38.69	44.00	40.62
(460)	Current input	A	58.3	53.9	61.3	56.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	455,000		480,000	
	*2	kW	133.4		140.7	
	Power input	kW	38.94		41.66	
(460)	Current input	A	54.3		58.0	
(Rated)		BTU / h	430,000		455,000	
		kW	126.0		133.4	
	Power input	kW	36.50	34.97	39.35	37.55
(460)	Current input	A	50.9	48.7	54.8	52.3
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model / Quantity		P04~P96/3~50		P04~P96/3~50	
Sound power level (measured in anechoic room)	*4	dB <A>	87.0/88.0		88.0/89.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P120YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)	PUHY-P144YNU-A1 (-BS)
Minimum Circuit Ampacity		A	25	27	27	27	27	27
Maximum Overcurrent Protection		A	40	45	45	45	45	45
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
	Airflow rate	cfm	7750 / 7750	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200	9200 / 9200
		m^3 / min	220 / 220	260 / 260	260 / 260	260 / 260	260 / 260	260 / 260
	*4	L / s	3670 / 3670	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330	4330 / 4330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.7	9.6	9.6	9.6	9.6	9.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	640 (290)	684 (310)	684 (310)	684 (310)	684 (310)	684 (310)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P72ZKMU-B (-BS)		PUHY-P96ZKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	72,000		96,000	
(Nominal)	*1	kW	21.1		28.1	
	Power input	kW	4.77		6.74	
(575)	Current input	A	5.3		7.5	
(Rated)		BTU/h	69,000		92,000	
		kW	20.2		27.0	
	Power input	kW	5.47	5.39	7.49	7.44
(575)	Current input	A	6.1	6.0	8.3	8.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	80,000		108,000	
(Nominal)	*2	kW	23.4		31.7	
	Power input	kW	5.63		7.78	
(575)	Current input	A	6.2		8.6	
(Rated)		BTU/h	76,000		103,000	
		kW	22.3		30.2	
	Power input	kW	5.54	5.47	7.79	7.41
(575)	Current input	A	6.1	6.1	8.6	8.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P72/1~18		P04~P96/1~24	
Sound pressure level (measured in anechoic room)		dB <A>	79.0		81.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
Minimum Circuit Ampacity		A	11		15	
Maximum Overcurrent Protection		A	15		25	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,200		6,700	
		m^3/min	175		190	
		L/s	2,920		3,170	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92	
*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.6 x 1		6.9 x 1	
	Case heater	kW	0.035		0.035	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm	1,650 x 920 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	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
Net weight		lbs (kg)	490 (222)		563 (255)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P120ZKMU-B (-BS)		PUHY-P144ZKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	120,000		144,000	
(Nominal)	*1	kW	35.2		42.2	
	Power input	kW	8.48		11.02	
(575)	Current input	A	9.4		12.2	
(Rated)		BTU/h	115,000		138,000	
		kW	33.7		40.4	
	Power input	kW	10.12	9.72	13.76	13.49
(575)	Current input	A	11.2	10.8	15.3	15.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	135,000		160,000	
(Nominal)	*2	kW	39.6		46.9	
	Power input	kW	10.09		12.65	
(575)	Current input	A	11.2		14.1	
(Rated)		BTU/h	129,000		152,000	
		kW	37.8		44.5	
	Power input	kW	9.44	9.56	11.58	11.79
(575)	Current input	A	10.5	10.6	12.9	13.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/1~30		P04~P96/1~36	
Sound pressure level (measured in anechoic room)		dB <A>	79.5		81.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 40 m)		1/2 (12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	19		21	
Maximum Overcurrent Protection		A	30		30	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	11,300		11,300	
		m^3/min	320		320	
		L/s	5,330		5,330	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92 ×2		0.92 ×2	
*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	8.2 x 1		10.8 x 1	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
		mm	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)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight		lbs (kg)	748 (339)		748 (339)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P168ZSKMU-B (-BS)		PUHY-P192ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	168,000		192,000	
(Nominal)	*1	kW	49.2		56.3	
	Power input	kW	12.81		14.56	
(575)	Current input	A	14.2		16.2	
(Rated)		BTU/h	160,000		184,000	
		kW	46.9		53.9	
	Power input	kW	13.84	13.63	17.13	16.12
(575)	Current input	A	15.4	15.2	19.1	17.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	188,000		215,000	
(Nominal)	*2	kW	55.1		63.0	
	Power input	kW	14.54		17.16	
(575)	Current input	A	16.2		19.1	
(Rated)		BTU/h	179,000		205,000	
		kW	52.5		60.1	
	Power input	kW	13.29	13.53	15.88	15.78
(575)	Current input	A	14.8	15.0	17.7	17.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/1~42		P04~P96/1~48	
Sound pressure level (measured in anechoic room)		dB <A>	83.5		82.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-P72ZKMU-B (-BS)	PUHY-P96ZKMU-B (-BS)	PUHY-P72ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	11	15	11	19
Maximum Overcurrent Protection		A	15	25	15	30
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Airflow rate	cfm	6,200	6,700	6,200	11,300
		m^3/min	175	190	175	320
		L/s	2,920	3,170	2,920	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92	0.92	0.92	0.92 ×2
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6 x 1	6.9 x 1	5.6 x 1	8.2 x 1
	Case heater	kW	0.035	0.035	0.035	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	490 (222)	563 (255)	490 (222)	748 (339)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2,CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2,CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P216ZSKMU-B (-BS)		PUHY-P240ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	216,000		240,000	
(Nominal)	*1	kW	63.3		70.3	
	Power input	kW	16.91		18.67	
(575)	Current input	A	18.8		20.8	
(Rated)		BTU/h	206,000		230,000	
		kW	60.4		67.4	
	Power input	kW	18.31	18.39	22.26	20.34
(575)	Current input	A	20.4	20.5	24.8	22.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	243,000		270,000	
(Nominal)	*2	kW	71.2		79.1	
	Power input	kW	19.69		22.14	
(575)	Current input	A	21.9		24.7	
(Rated)		BTU/h	232,000		258,000	
		kW	68.0		75.6	
	Power input	kW	18.61	17.69	20.82	20.07
(575)	Current input	A	20.7	19.7	23.2	22.3
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	84.0		82.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	15	19	19	19
Maximum Overcurrent Protection		A	20	30	30	30
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6,700	11,300	11,300	11,300
		m^3/min	190	320	320	320
		L/s	3,170	5,330	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92	0.92 ×2	0.92 ×2	0.92 ×2
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	6.9 x 1	8.2 x 1	8.2 x 1	8.2 x 1
	Case heater	kW	0.035	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		in.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		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
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	
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	563 (255)	748 (339)	748 (339)	748 (339)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2,CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2,CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P264ZSKMU-B (-BS)		PUHY-P288ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	264,000		288,000	
(Nominal)	*1	kW	77.4		84.4	
	Power input	kW	20.50		22.57	
(575)	Current input	A	22.8		25.1	
(Rated)		BTU/h	252,000		276,000	
		kW	73.9		80.9	
	Power input	kW	23.01	21.46	25.68	23.94
(575)	Current input	A	25.6	23.9	28.6	26.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	295,000		323,000	
(Nominal)	*2	kW	86.5		94.7	
	Power input	kW	23.80		26.12	
(575)	Current input	A	26.5		29.1	
(Rated)		BTU/h	281,000		308,000	
		kW	82.4		90.3	
	Power input	kW	22.27	21.73	24.66	23.70
(575)	Current input	A	24.8	24.2	27.5	26.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	84.0		85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-P72ZKMU-B (-BS)	PUHY-P72ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P72ZKMU-B (-BS)	PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	11	11	19	11	15	19
Maximum Overcurrent Protection		A	15	15	30	15	25	30
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Airflow rate	cfm	6,200	6,200	11,300	6,200	6,700	11,300
		m^3/min	175	175	320	175	190	320
		L/s	2,920	2,920	5,330	2,920	3,170	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.92	0.92 ×2	0.92	0.92	0.92 ×2
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1			Inverter scroll hermetic compressor x 1		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	8.2	5.6	6.9	8.2
	Case heater	kW	0.035	0.035	0.045	0.035	0.035	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		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 1,220 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)		
	Inverter circuit (COMP./FAN)		Over -heat protection, Over-current protection			Over -heat protection, Over-current protection		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	490 (222)	490 (222)	748 (339)	490 (222)	563 (255)	748 (339)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2,CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2,CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P312ZSKMU-B (-BS)		PUHY-P336ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity	*1	BTU/h	312,000		336,000	
(Nominal)	*1	kW	91.4		98.5	
	Power input	kW	24.32		26.78	
(575)	Current input	A	27.1		29.8	
(Rated)		BTU/h	298,000		320,000	
		kW	87.3		93.8	
	Power input	kW	29.32	26.09	31.08	28.26
(575)	Current input	A	32.7	29.1	34.6	31.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity	*2	BTU/h	350,000		378,000	
(Nominal)	*2	kW	102.6		110.8	
	Power input	kW	28.41		31.66	
(575)	Current input	A	31.6		35.3	
(Rated)		BTU/h	334,000		361,000	
		kW	97.9		105.8	
	Power input	kW	26.72	25.97	30.33	28.45
(575)	Current input	A	29.8	28.9	33.8	31.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	84.5		85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P72ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	11	19	19	15	19	19
Maximum Overcurrent Protection		A	15	30	30	20	30	30
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	6,200	11,300	11,300	6,700	11,300	11,300
		m^3/min	175	320	320	190	320	320
		L/s	2,920	5,330	5,330	3,170	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW	0.92	0.92 ×2	0.92 ×2	0.92	0.92 ×2	0.92 ×2
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1			Inverter scroll hermetic compressor x 1		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	8.2	8.2	6.9	8.2	8.2
	Case heater	kW	-	-	-	0.035	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		in.	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,220 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)		
	Inverter circuit (COMP./FAN)		Over -heat protection, Over-current protection			Over -heat protection, Over-current protection		
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	490 (222)	748 (339)	748 (339)	563 (255)	748 (339)	748 (339)
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
Y-Series (575V)
PUHY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PUHY-P360ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity *1		BTU/h	360,000	
(Nominal) *1		kW	105.5	
	Power input	kW	29.11	
(575)	Current input	A	32.4	
(Rated)		BTU/h	344,000	
		kW	100.8	
	Power input	kW	33.32	30.68
(575)	Current input	A	37.1	34.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)	
Heating capacity *2		BTU/h	405,000	
(Nominal) *2		kW	118.7	
	Power input	kW	34.50	
(575)	Current input	A	38.4	
(Rated)		BTU/h	387,000	
		kW	113.4	
	Power input	kW	32.60	31.52
(575)	Current input	A	36.3	35.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	84.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed	

Set Model

Model			PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	19	19	19
Maximum Overcurrent Protection		A	30	30	30
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	11,300	11,300	11,300
		m^3/min	320	320	320
		L/s	5,330	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92 ×2	0.92 ×2	0.92 ×2
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	8.2	8.2	8.2
	Case heater	kW	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		in.	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	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)
	Inverter circuit (COMP./FAN)		Over -heat protection, Over-current protection	Over -heat protection, Over-current protection	Over -heat protection, Over-current protection
	Fan motor		-	-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	748 (339)	748 (339)	748 (339)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2,CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

R2-Series

Simultaneous Cooling and Heating Heat recovery NEW

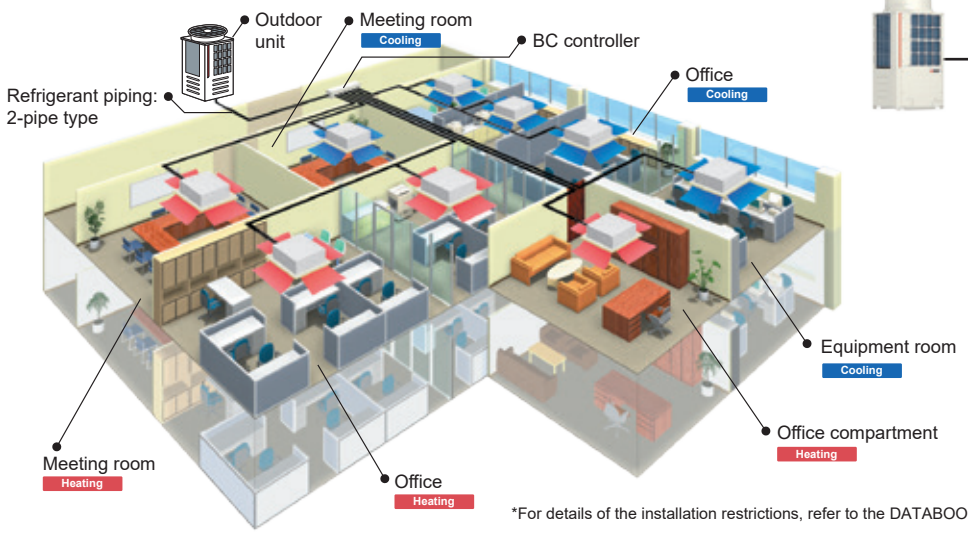
*This image shows the standard type.

The world's first* two-pipe system that simultaneously cools and heats

*As of 1992 (according to our in-house survey)

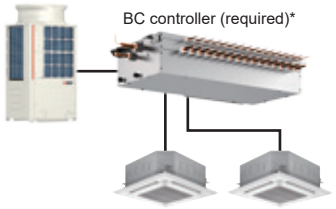
The CITY MULTI R2-Series offers the ultimate in freedom and flexibility. Cool one zone while heating another. Our exclusive BC controller makes two-pipe simultaneous cooling and heating possible. It is the technological heart of the CITY MULTI R2-Series. It houses a liquid and gas separator, allowing the outdoor unit to deliver a mixture of hot gas for heating and liquid for cooling, all through the same pipe.
This innovation results in virtually no energy wasted by being expelled outdoors. Depending on capacity, up to 50 indoor units can be connected with up to 150% connected capacity.

• Installation image (R2-Series)



*For details of the installation restrictions, refer to the DATABOOK.

• System example



*R2-Series systems require the use of a BC controller.

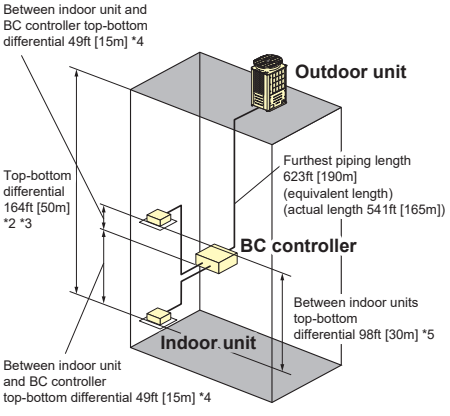
• System Pipe Lengths

[HP72–HP240 T(S)NU/Y(S)NU]
[(E)P72–(E)P432 T(S)NU/Y(S)NU]
[P72–P288 Z(S)KMU]

Refrigerant Piping Lengths	Maximum feet [Meters]
Total piping length	
(E)P72–96TNU/YNU/ZKMU, HP72–96TNU/YNU	1,804 [550]
(E)P120–168TNU/YNU/ZKMU, HP120–144T(S)NU/Y(S)NU	1,968 [600]
(E)P192TSNU/YSNU/ZSKMU, EP192–240TNU/YNU, HP192TSNU/YSNU	2,460 [750]
(E)P216–240TSNU/YSNU/ZSKMU, HP240TSNU/YSNU	2,624 [800]
(E)P264–336TSNU/YSNU, P264–288ZSKMU	3,116 [950]
Maximum allowable length	541 (623 equivalent) [165 (190)]
Maximum length between outdoor and single/main BC controller	360 [110]
*Maximum total length is dependent upon the distance between the outdoor unit and the single/main BC Controller.	
Maximum length between single/main BC controller and indoor and sub-BC controller*1	131–295 [40-90]

Vertical differentials between units	Maximum feet [Meters]
Indoor/outdoor (outdoor higher)	164 [50]*3
Indoor/outdoor (outdoor lower)	131 [40]*3
Indoor/BC controller (single/main)	49 [15]*4
*Maximum length between single/main BC controller and indoor is dependent upon the vertical differential between the single/main BC controller and the indoor unit.	
Indoor/indoor	98 [30]*5
Main BC Controller/Sub-BC Controller	49 [15]

*1 When you install a sub-BC controller, please refer to DATABOOK for full details.
*2 When the outdoor unit is installed below the indoor unit, top-bottom differential is 131ft [40m].
*3 Depending on the model and installation conditions, top-bottom differential 370ft [113m] (o/u above) and 196ft [60m] (o/u below) is available. For more detailed information, please contact your nearest sales office or distributor.
*4 Distance of Indoor sized P72, P96 from BC must be less than 32ft [10m], if any.
*5 Distance of Indoor sized P72, P96 from BC must be less than 65ft [20m], if any.



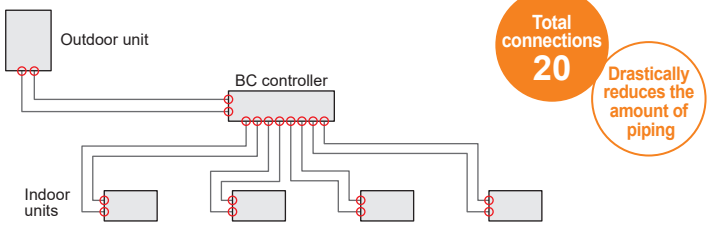
Benefits of the R2 system

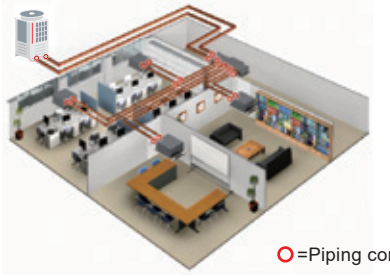
Unique to Mitsubishi Electric, our heat recovery technology uses just two pipes, as opposed to the market conventional three. Our R2 system, designed for effective simultaneous heating and cooling, offers substantial savings on installation and annual running costs.

Mitsubishi Electric 2-pipe R2 system: less piping/connections compared to a 3-pipe system

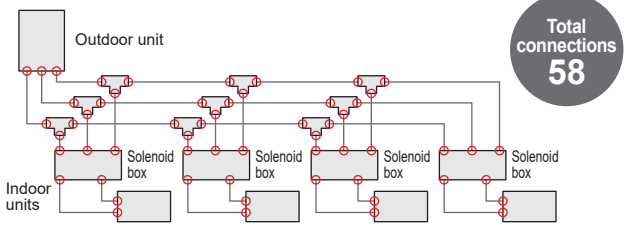
• Comparison example of piping connections

2 pipes **CITY MULTI R2**





3 pipes



Cooling/heating modes can be switched without stopping operation

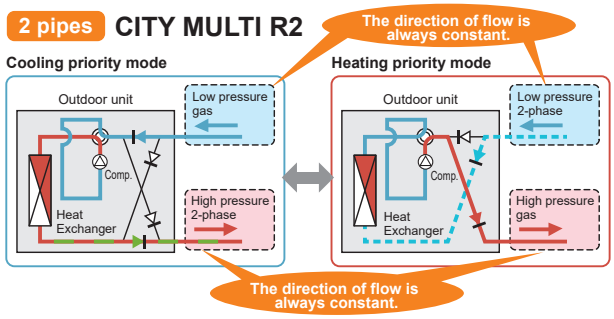
When cooling/heating mode switches

• There is no need to stop the compressor.
• The refrigerant noise that is generated when the refrigerant flow is switched can be lowered.

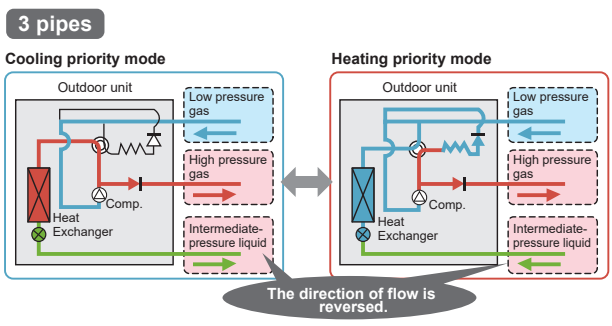
When cooling/heating mode switches

• Compressor shuts down.
• All indoor units stop for a few minutes.

2 pipes **CITY MULTI R2**

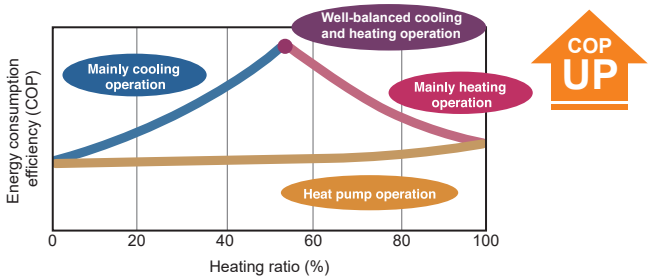


3 pipes



Heat recovery operation for greater energy savings

• COP of the heat recovery system



COP of the heat recovery system

The more frequently cooling and heating are performed simultaneously, the greater the energy saving effect.

Optional parts

• For H2i, High efficiency, Standard

Description			Model	Remarks
Panel heater kit *1			PAC-PH01EHYU-E	For S module
			PAC-PH02EHYU-E	For L module
			PAC-PH03EHYU-E	For XL module
Twinning kit			CMY-R100NCBK	For PURY-HP144T/YSNU-A1
			CMY-R200NCBK	For PURY-(E)P192-(E)P240T/YSNU-A1, PURY-HP192-HP240T/YSNU-A1
			CMY-R300NCBK	For PURY-P264-P336T/YSNU-A1, PURY-EP264-EP432T/YSNU-A1
For BC controller	Branch pipe (Joint)	Between BC controller and indoor units	CMY-Y102SS-G2	Total down-stream indoor unit capacity: -P72
			CMY-Y102LS-G2	Total down-stream indoor unit capacity: P73-P96
	Joint and reducer	Between Main BC controller and Sub BC controller *Not necessary when J2 type BC controller is used.	CMY-R201S-G	Total down-stream indoor unit capacity: -P126
			CMY-R202S-G	Total down-stream indoor unit capacity: P127-P216
			CMY-R203S-G	Total down-stream indoor unit capacity: P217-P234
			CMY-R204S-G	Total down-stream indoor unit capacity: P235-P360
			CMY-R205S-G	Total down-stream indoor unit capacity: P361-
	Reducer	Between outdoor units and BC controller	CMY-R301S-G	For J2 type (Outdoor unit capacity: P72-P120)
			CMY-R302S-G1	For JA2 type (Outdoor unit capacity: P72-P336)
			CMY-R304S-G1	For KA2 type (Outdoor unit capacity: P72-P432)
		Between Main BC controller and Sub BC controller	CMY-R303S-G1	For JA2 type (When using the Sub BC controller)
			CMY-R305S-G1	For KA2 type (When using the Sub BC controller)
			CMY-R306S-G	For KB2 type
	Joint pipe kit		CMY-R160-J2	Joint for connecting two nozzles
Fin Guard *2			PAC-FG01S-E	For side surfaces of HP model (a set of two pieces)
			PAC-FG02B-E	For rear surface of HP model (a set of two pieces)

*1. If there is a risk that the drain water will freeze inside the outdoor unit, the installation of a panel heater is recommended. The HP models are standard equipped with panel heaters. For details, refer to the installation manual for the panel heater.
*2. P/EP models are standard equipped with fin guard.

• For Standard (575V)

Description			Model	Remarks
Twinning kit			CMY-R100CBK2	For PURY-P168-192ZSKMU-B
			CMY-R100XLCBK	For PURY-P216-288ZSKMU-B
For BC controller	Branch pipe (Joint)	Between BC controller and indoor units	CMY-Y102SS-G2	Total down-stream indoor unit capacity: -P72
			CMY-Y102LS-G2	Total down-stream indoor unit capacity: P73-P96
	Joint and reducer	Between Main BC controller and Sub BC controller *Not necessary when J2 type BC controller is used.	CMY-R201S-G	Total down-stream indoor unit capacity: -P126
			CMY-R202S-G	Total down-stream indoor unit capacity: P127-P216
			CMY-R203S-G	Total down-stream indoor unit capacity: P217-P234
			CMY-R204S-G	Total down-stream indoor unit capacity: P235-P360
			CMY-R205S-G	Total down-stream indoor unit capacity: P361-
	Reducer	Between outdoor units and BC controller	CMY-R301S-G	For J2 type (Outdoor unit capacity: P72-P120)
			CMY-R302S-G1	For JA2 type (Outdoor unit capacity: P72-P336)
			CMY-R304S-G1	For KA2 type (Outdoor unit capacity: P72-P432)
		Between Main BC controller and Sub BC controller	CMY-R303S-G1	For JA2 type (When using the Sub BC controller)
			CMY-R305S-G1	For KA2 type (When using the Sub BC controller)
			CMY-R306S-G	For KB2 type
	Joint pipe kit		CMY-R160-J2	Joint for connecting two nozzles

Note: Indoor unit capacities: the capacity of an indoor unit is the same as the number used for its type identification.

OUTDOOR UNIT
R2-Series H2i (208-230V)
PURY-HP TNU-A1

► Specifications

Outdoor Model			PURY-HP72TNU-A1		PURY-HP96TNU-A1		PURY-HP120TNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		120,000	
		kW	21.1		28.1		35.2	
	Power input	kW	5.22		6.50		8.82	
(208-230)	Current input	A	16.0-14.5		20.0-18.1		27.2-24.6	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.45	5.55	7.35	7.45	10.40	10.45
(208-230)	Current input	A	16.8-15.2	17.1-15.4	22.6-20.5	22.9-20.7	32.0-29.0	32.2-29.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		135,000	
		kW	23.4		31.7		39.6	
	Power input	kW	5.66		7.58		10.07	
(208-230)	Current input	A	17.4-15.7		23.3-21.1		31.0-28.0	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	5.12	5.36	6.93	7.02	9.01	9.50
(208-230)	Current input	A	15.7-14.2	16.5-14.9	21.3-19.3	21.6-19.5	27.7-25.1	29.2-26.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room) *3		dB <A>	75.5/77.0		79.0/80.0		84.5/85.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	55-49		66-60		66-60	
Maximum Overcurrent Protection		A	90-80		110-100		110-100	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	7,400		8,300		9,550	
		m^3 / min	210		235		270	
		L / s	3,500		3,920		4,500	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	4.0		5.6		7.8	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	602 (273)		653 (296)		653 (296)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,301,306S-G,CMY-R302,303, 304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

* The outdoor unit may make more noise when operating in low outside air temperature.

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

OUTDOOR UNIT
R2-Series H2i (208-230V)
PURY-HP TSNU-A1

► Specifications

Outdoor Model			PURY-HP144TSNU-A1		PURY-HP192TSNU-A1		PURY-HP240TSNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000		192,000		240,000	
		kW	42.2		56.3		70.3	
	Power input	kW	11.92		14.53		20.08	
(208-230)	Current input	A	36.7-33.2		44.8-40.5		61.9-56.0	
(Rated)		BTU / h	138,000		184,000		230,000	
		kW	40.4		53.9		67.4	
	Power input	kW	11.65	12.10	16.05	16.15	22.45	22.60
(208-230)	Current input	A	35.9-32.4	37.3-33.7	49.5-44.7	49.8-45.0	69.2-62.6	69.7-63.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	160,000		215,000		270,000	
		kW	46.9		63.0		79.1	
	Power input	kW	12.50		16.49		22.45	
(208-230)	Current input	A	38.5-34.8		50.8-45.9		69.2-62.6	
(Rated)		BTU / h	152,000		206,000		258,000	
		kW	44.5		60.4		75.6	
	Power input	kW	11.22	11.75	15.04	15.20	20.65	20.55
(208-230)	Current input	A	34.6-31.2	36.2-32.7	46.3-41.9	46.8-42.3	63.6-57.5	63.3-57.3
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~48		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	78.5/80.0		82.0/83.0		87.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PURY-HP72TNU-A1	PURY-HP72TNU-A1	PURY-HP96TNU-A1	PURY-HP96TNU-A1	PURY-HP120TNU-A1	PURY-HP120TNU-A1
Minimum Circuit Ampacity		A	55-49	55-49	66-60	66-60	66-60	66-60
Maximum Overcurrent Protection		A	90-80	90-80	110-100	110-100	110-100	110-100
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
	Airflow rate	cfm	7,400	7,400	8,300	8,300	9,550	9,550
		m^3 / min	210	210	235	235	270	270
		L / s	3,500	3,500	3,920	3,920	4,500	4,500
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.0	4.0	5.6	5.6	7.8	7.8
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	602 (273)	602 (273)	653 (296)	653 (296)	653 (296)	653 (296)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure	in. (mm)	5/8 (15.88) Brazed	5/8 (15.88) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R100NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203,204, 306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series H2i (460V)
PURY-HP YNU-A1

► Specifications

Outdoor Model			PURY-HP72YNU-A1		PURY-HP96YNU-A1		PURY-HP120YNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	72,000		96,000		120,000	
		kW	21.1		28.1		35.2	
	Power input	kW	5.22		6.50		8.82	
(460)	Current input	A	7.2		9.0		12.3	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.45	5.55	7.35	7.45	10.40	10.45
(460)	Current input	A	7.6	7.7	10.2	10.3	14.5	14.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	80,000		108,000		135,000	
		kW	23.4		31.7		39.6	
	Power input	kW	5.66		7.58		10.07	
(460)	Current input	A	7.8		10.5		14.0	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	5.12	5.36	6.93	7.02	9.01	9.50
(460)	Current input	A	7.1	7.4	9.6	9.7	12.5	13.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room) *3		dB <A>	75.5/77.0		79.0/80.0		84.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	25		30		35	
Maximum Overcurrent Protection		A	40		50		50	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	7,400		8,300		9,550	
		m^3 / min	210		235		270	
		L / s	3,500		3,920		4,500	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	4.0		5.6		7.8	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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	
	Fan motor		638 (289)		-		-	
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	638 (289)		688 (312)		688 (312)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,301,306S-G,CMY-R302,303,304, 305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series H2i (460V)
PURY-HP YSNU-A1

► Specifications

Outdoor Model			PURY-HP144YSNU-A1		PURY-HP192YSNU-A1	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	144,000		192,000	
		kW	42.2		56.3	
	Power input	kW	11.92		14.53	
(460)	Current input	A	16.6		20.2	
(Rated)		BTU / h	138,000		184,000	
		kW	40.4		53.9	
	Power input	kW	11.65	12.10	16.05	16.15
(460)	Current input	A	16.2	16.8	22.3	22.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	160,000		215,000	
		kW	46.9		63.0	
	Power input	kW	12.50		16.49	
(460)	Current input	A	17.4		22.9	
(Rated)		BTU / h	152,000		206,000	
		kW	44.5		60.4	
	Power input	kW	11.22	11.75	15.04	15.20
(460)	Current input	A	15.6	16.3	20.9	21.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)		-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~48	
Sound power level (measured in anechoic room) *3		dB <A>	78.5/80.0		82.0/83.0	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PURY-HP72YNU-A1	PURY-HP72YNU-A1	PURY-HP96YNU-A1	PURY-HP96YNU-A1
Minimum Circuit Ampacity		A	25	25	30	30
Maximum Overcurrent Protection		A	40	40	50	50
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	7,400	7,400	8,300	8,300
		m^3 / min	210	210	235	235
		L / s	3,500	3,500	3,920	3,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.0	4.0	5.6	5.6
	Case heater	kW	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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	
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	638 (289)	638 (289)	688 (312)	688 (312)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure	in. (mm)	5/8 (15.88) Brazed	5/8 (15.88) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
Optional parts			Outdoor Twinning kit: CMY-R100NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series H2i (460V)
PURY-HP YSNU-A1

► Specifications

Outdoor Model			PURY-HP240YSNU-A1	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal) *1		BTU / h	240,000	
		kW	70.3	
	Power input	kW	20.08	
(460)	Current input	A	28.0	
(Rated)		BTU / h	230,000	
		kW	67.4	
	Power input	kW	22.45	22.60
(460)	Current input	A	31.3	31.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal) *2		BTU / h	270,000	
		kW	79.1	
	Power input	kW	22.45	
(460)	Current input	A	31.3	
(Rated)		BTU / h	258,000	
		kW	75.6	
	Power input	kW	20.65	20.55
(460)	Current input	A	28.7	28.6
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-22~60°F (-30~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	87.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed	

Set Model

Model			PURY-HP120YNU-A1	PURY-HP120YNU-A1
Minimum Circuit Ampacity		A	35	35
Maximum Overcurrent Protection		A	50	50
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	9,550	9,550
		m^3 / min	270	270
		L / s	4,500	4,500
	Control, Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter
	Motor output	kW	7.8	7.8
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740
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	
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	688 (312)	688 (312)
Heat exchanger			Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* The outdoor unit may make more noise when operating in low outside air temperature.
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-EP72TNU-A1 (-BS)		PURY-EP96TNU-A1 (-BS)		PURY-EP120TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
	Power input	kW	4.44		6.11		8.43	
(208-230)	Current input	A	13.6-12.3		18.8-17.0		25.9-23.5	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.40	5.45	7.36	7.40	10.55	10.45
(208-230)	Current input	A	16.6-15.0	16.8-15.2	22.6-20.5	22.8-20.6	32.5-29.4	32.2-29.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
	Power input	kW	5.43		7.40		9.89	
(208-230)	Current input	A	16.7-15.1		22.8-20.6		30.5-27.5	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.77	5.28	6.72	6.90	8.95	9.22
(208-230)	Current input	A	14.7-13.3	16.2-14.7	20.7-18.7	21.2-19.2	27.6-24.9	28.4-25.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*3	dB <A>	75.5/77.0		77.5/79.0		80.5/80.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	33-30		44-40		56-55	
Maximum Overcurrent Protection		A	50-50		70-60		90-90	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,000		7,400		8,300	
		m^3 / min	170		210		235	
		L / s	2,830		3,500		3,920	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.8		5.5		7.6	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 11 lbs + 7 oz (5.2 kg)		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 17 lbs + 10 oz (8.0 kg)	
Net weight		lbs (kg)	519 (235)		613 (278)		622 (282)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP144TNU-A1 (-BS)		PURY-EP168TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000		168,000	
	*1	kW	42.2		49.2	
	Power input	kW	11.03		13.99	
(208-230)	Current input	A	34.0-30.7		43.1-39.0	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
	Power input	kW	13.30	13.10	15.40	15.30
(208-230)	Current input	A	41.0-37.0	40.4-36.5	47.4-42.9	47.1-42.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000	
	*2	kW	46.9		55.1	
	Power input	kW	12.34		15.17	
(208-230)	Current input	A	38.0-34.4		46.7-42.3	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
	Power input	kW	11.08	11.60	13.23	14.42
(208-230)	Current input	A	34.1-30.9	35.7-32.3	40.8-36.9	44.4-40.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room)	*3	dB <A>	85.5/85.5		81.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	60-60		70-70	
Maximum Overcurrent Protection		A	100-100		110-110	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9,550		14,850	
		m^3 / min	270		420	
		L / s	4,500		7,000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.8		12.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	680 (308)		777 (352)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TNU-A1(-BS)

▸ Specifications

Outdoor Model				PURY-EP192TNU-A1 (-BS)		PURY-EP216TNU-A1 (-BS)		PURY-EP240TNU-A1 (-BS)	
Indoor Model				Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)		*1	BTU / h	192,000		216,000		224,000	
		*1	kW	56.3		63.3		65.7	
		Power input	kW	15.65		18.66		21.39	
	(208-230)	Current input	A	48.2-43.6		57.5-52.0		65.9-59.6	
	(Rated)		BTU / h	184,000		206,000		214,000	
			kW	53.9		60.4		62.7	
		Power input	kW	17.55	17.25	20.50	20.35	21.60	21.00
	(208-230)	Current input	A	54.1-48.9	53.2-48.1	63.2-57.1	62.7-56.7	66.6-60.2	64.7-58.5
Temp. range of cooling	Indoor		W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor		D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)		*2	BTU / h	215,000		243,000		250,000	
		*2	kW	63.0		71.2		73.3	
		Power input	kW	17.54		20.43		21.79	
	(208-230)	Current input	A	54.0-48.9		63.0-56.9		67.2-60.7	
	(Rated)		BTU / h	204,000		232,000		240,000	
			kW	59.8		68.0		70.3	
		Power input	kW	15.37	16.34	18.22	19.25	19.96	20.20
	(208-230)	Current input	A	47.4-42.8	50.3-45.5	56.1-50.8	59.3-53.6	61.5-55.6	62.2-56.3
Temp. range of heating	Indoor		D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor		W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity			50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity			P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)		*3	dB <A>	83.5/85.0		86.0/86.5		88.0/87.0	
Refrigerant piping diameter	High pressure		in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure		in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity			A	80-75		88-85		88-88	
Maximum Overcurrent Protection			A	125-125		150-150		150-150	
FAN	Type x Quantity			Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate		cfm	13,050		14,100		14,500	
			m^3 / min	370		400		410	
			L / s	6,170		6,670		6,830	
	Control, Driving mechanism			Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output		kW	0.92+0.92		0.92+0.92		0.92+0.92	
*5	External static press.			0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity			Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method			Inverter		Inverter		Inverter	
	Motor output		kW	13.2		15.8		17.0	
	Case heater		kW	0.048		0.048		0.048	
External finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D			in.	71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
			mm	1,818 x 1,750 x 740		1,818 x 1,750 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)			Over-current protection		Over-current protection		Over-current protection	
	Fan motor			-		-		-	
Refrigerant	Type x original charge			R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight			lbs (kg)	887 (402)		887 (402)		887 (402)	
Heat exchanger				Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts				joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 The sound pressure level measured by the conventional method in JIS for reference purpose.
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP192TSNU-A1 (-BS)		PURY-EP216TSNU-A1 (-BS)		PURY-EP240TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	192,000		216,000		240,000	
(Nominal) *1		kW	56.3		63.3		70.3	
	Power input	kW	13.60		16.06		19.17	
(208-230)	Current input	A	41.9-37.9		49.5-44.7		59.1-53.4	
(Rated)		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
	Power input	kW	15.80	15.90	19.00	19.10	22.35	22.60
(208-230)	Current input	A	48.7-44.0	49.0-44.3	58.5-52.9	58.9-53.2	68.9-62.3	69.7-63.0
Temp. range of	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
cooling	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	215,000		243,000		270,000	
(Nominal) *2		kW	63.0		71.2		79.1	
	Power input	kW	16.02		18.67		22.03	
(208-230)	Current input	A	49.4-44.6		57.5-52.0		67.9-61.4	
(Rated)		BTU / h	204,000		232,000		258,000	
		kW	59.8		68.0		75.6	
	Power input	kW	14.46	14.75	16.91	17.32	20.52	19.90
(208-230)	Current input	A	44.5-40.3	45.4-41.1	52.1-47.1	53.4-48.3	63.2-57.2	61.3-55.5
Temp. range of	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
heating	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
connectable	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	80.5/82.0		82.0/83.0		83.0/83.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PURY-EP96TNU-A1 (-BS)	PURY-EP96TNU-A1 (-BS)	PURY-EP96TNU-A1 (-BS)	PURY-EP120TNU-A1 (-BS)	PURY-EP120TNU-A1 (-BS)	PURY-EP120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	44-40	44-40	44-40	56-55	56-55	56-55
Maximum Overcurrent Protection		A	70-60	70-60	70-60	90-90	90-90	90-90
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
	Airflow rate	cfm	7,400	7,400	7,400	8,300	8,300	8,300
		m^3 / min	210	210	210	235	235	235
		L / s	3,500	3,500	3,500	3,920	3,920	3,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	5.5	7.6	7.6	7.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
Net weight		lbs (kg)	613 (278)	613 (278)	613 (278)	622 (282)	622 (282)	622 (282)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit	High pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
and distributor	Low pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMYR201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

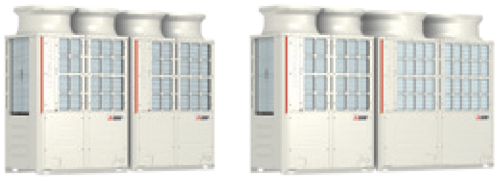
Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TSNU-A1(-BS)



▶ Specifications

Outdoor Model			PURY-EP264TSNU-A1 (-BS)		PURY-EP288TSNU-A1 (-BS)		PURY-EP312TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000		312,000	
	*1	kW	77.4		84.4		91.4	
(208-230)	Power input	kW	21.86		24.83		27.98	
	Current input	A	67.4-60.9		76.5-69.2		86.2-78.0	
(Rated)		BTU / h	252,000		276,000		298,000	
		kW	73.9		80.9		87.3	
(208-230)	Power input	kW	25.30	25.43	28.60	28.45	30.80	30.68
	Current input	A	78.0-70.5	78.4-70.9	88.2-79.7	87.7-79.3	94.9-85.9	94.6-85.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	295,000		323,000		350,000	
	*2	kW	86.5		94.7		102.6	
(208-230)	Power input	kW	24.56		27.30		30.53	
	Current input	A	75.7-68.5		84.1-76.1		94.1-85.1	
(Rated)		BTU / h	280,000		304,000		334,000	
		kW	82.1		89.1		97.9	
(208-230)	Power input	kW	22.65	22.30	25.15	25.05	28.35	27.78
	Current input	A	69.8-63.1	68.7-62.1	77.5-70.1	77.2-69.8	87.4-79.0	85.6-77.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	87.0/87.0		88.5/88.5		87.0/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	
Set Model								
Model			PURY-EP144TNU-A1 (-BS)	PURY-EP120TNU-A1 (-BS)	PURY-EP144TNU-A1 (-BS)	PURY-EP144TNU-A1 (-BS)	PURY-EP144TNU-A1 (-BS)	PURY-EP168TNU-A1 (-BS)
Minimum Circuit Ampacity		A	60-60	56-55	60-60	60-60	60-60	70-70
Maximum Overcurrent Protection		A	100-100	90-90	100-100	100-100	100-100	110-110
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
	Airflow rate	cfm	9,550	8,300	9,550	9,550	9,550	14,850
		m^3 / min	270	235	270	270	270	420
		L / s	4,500	3,920	4,500	4,500	4,500	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.92+0.92
	*4 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	9.8	7.6	9.8	9.8	9.8	12.2
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	680 (308)	622 (282)	680 (308)	680 (308)	680 (308)	777 (352)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP336TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	336,000	
	*1	kW	98.5	
(208-230)	Power input	kW	31.43	
(208-230)	Current input	A	96.9-87.6	
(Rated)		BTU / h	320,000	
(Rated)		kW	93.8	
(208-230)	Power input	kW	33.45	33.32
(208-230)	Current input	A	103.1-93.2	102.7-92.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	378,000	
	*2	kW	110.8	
(208-230)	Power input	kW	33.55	
(208-230)	Current input	A	103.4-93.5	
(Rated)		BTU / h	360,000	
(Rated)		kW	105.5	
(208-230)	Power input	kW	31.30	30.20
(208-230)	Current input	A	96.5-87.2	93.1-84.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	84.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed	

Set Model

Model			PURY-EP168TNU-A1 (-BS)	PURY-EP168TNU-A1 (-BS)
Minimum Circuit Ampacity		A	70-70	70-70
Maximum Overcurrent Protection		A	110-110	110-110
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	14,850	14,850
		m^3 / min	420	420
		L / s	7,000	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter
	Motor output	kW	12.2	12.2
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 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)
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	777 (352)	777 (352)
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (208-230V)
PURY-EP TSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP384TSNU-A1 (-BS)		PURY-EP432TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	384,000		432,000	
	*1	kW	112.5		126.6	
	Power input	kW	36.62		42.36	
(208-230)	Current input	A	112.9-102.1		130.6-118.1	
(Rated)		BTU / h	364,000		410,000	
		kW	106.7		120.2	
	Power input	kW	39.05	38.27	44.40	43.98
(208-230)	Current input	A	120.4-108.9	118.0-106.7	136.9-123.8	135.6-122.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	430,000		480,000	
	*2	kW	126.0		140.7	
	Power input	kW	38.66		43.14	
(208-230)	Current input	A	119.2-107.8		133.0-120.3	
(Rated)		BTU / h	410,000		455,000	
		kW	120.2		133.4	
	Power input	kW	36.47	34.75	40.70	38.90
(208-230)	Current input	A	112.4-101.7	107.1-96.9	125.5-113.5	119.9-108.4
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	86.5/89.0		89.0/89.0	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PURY-EP192TNU-A1 (-BS)	PURY-EP192TNU-A1 (-BS)	PURY-EP216TNU-A1 (-BS)	PURY-EP216TNU-A1 (-BS)
Minimum Circuit Ampacity		A	80-75	80-75	88-85	88-85
Maximum Overcurrent Protection		A	125-125	125-125	150-150	150-150
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	13,050	13,050	14,100	14,100
		m^3 / min	370	370	400	400
		L / s	6,170	6,170	6,670	6,670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	13.2	13.2	15.8	15.8
	Case heater	kW	0.048	0.048	0.048	0.048
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 x 1,750 x 740	1,818 x 1,750 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	887 (402)	887 (402)	887 (402)	887 (402)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP72YNU-A1 (-BS)		PURY-EP96YNU-A1 (-BS)		PURY-EP120YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
	Power input	kW	4.44		6.11		8.43	
(460)	Current input	A	6.1		8.5		11.7	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
	Power input	kW	5.40	5.45	7.36	7.40	10.55	10.45
(460)	Current input	A	7.5	7.6	10.2	10.3	14.7	14.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
	Power input	kW	5.43		7.40		9.89	
(460)	Current input	A	7.5		10.3		13.7	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	Power input	kW	4.77	5.28	6.72	6.90	13.30	9.22
(460)	Current input	A	6.6	7.3	9.3	9.6	12.4	12.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*3	dB <A>	75.5/77.0		77.5/79.0		80.0/80.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	14		20		26	
Maximum Overcurrent Protection		A	20		30		40	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,000		7,400		8,300	
		m^3 / min	170		210		235	
		L / s	2,830		3,500		3,920	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	3.8		5.5		7.6	
	Case heater	kW	0.045		0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 11 lbs + 7 oz (5.2 kg)		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 17 lbs + 10 oz (8.0 kg)	
Net weight		lbs (kg)	552 (250)		649 (294)		657 (298)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,301,306S-G,CMY-R302,303, 304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP144YNU-A1 (-BS)		PURY-EP168YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000		168,000	
	*1	kW	42.2		49.2	
	Power input	kW	11.03		13.99	
(460)	Current input	A	15.3		19.5	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
	Power input	kW	13.30	13.10	15.40	15.30
(460)	Current input	A	18.5	18.2	21.4	21.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000	
	*2	kW	46.9		55.1	
	Power input	kW	12.34		15.17	
(460)	Current input	A	17.2		21.1	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
	Power input	kW	11.08	11.60	13.23	14.42
(460)	Current input	A	15.4	16.1	18.4	20.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room)	*3	dB <A>	85.5/85.5		81.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	34		26	
Maximum Overcurrent Protection		A	50		40	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9,550		14,850	
		m^3 / min	270		420	
		L / s	4,500		7,000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.8		12.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	715 (324)		807 (366)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode

*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-EP192YNU-A1 (-BS)		PURY-EP216YNU-A1 (-BS)		PURY-EP240YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	192,000		216,000		224,000	
(Nominal) *1		kW	56.3		63.3		65.7	
	Power input	kW	15.65		18.66		21.39	
(460)	Current input	A	21.8		26.0		29.8	
(Rated)		BTU / h	184,000		206,000		214,000	
		kW	53.9		60.4		62.7	
	Power input	kW	17.55	17.25	20.50	20.35	21.60	21.00
(460)	Current input	A	24.4	24.0	28.5	28.3	30.1	29.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	215,000		243,000		250,000	
(Nominal) *2		kW	63.0		71.2		73.3	
	Power input	kW	17.54		20.43		21.79	
(460)	Current input	A	24.4		28.4		30.3	
(Rated)		BTU / h	204,000		232,000		240,000	
		kW	59.8		68.0		70.3	
	Power input	kW	15.37	16.34	18.22	19.25	19.96	20.20
(460)	Current input	A	21.4	22.7	25.4	26.8	27.8	28.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *3		dB <A>	83.5/85.0		86.0/86.5		88.0/87.0	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity		A	38		41		41	
Maximum Overcurrent Protection		A	60		70		70	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	13,050		14,100		14,500	
		m^3 / min	370		400		410	
		L / s	6,170		6,670		6,830	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92		0.92+0.92	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	13.2		15.8		17.0	
	Case heater	kW	0.048		0.048		0.048	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,750 x 740		1,818 x 1,750 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight		lbs (kg)	918 (416)		918 (416)		918 (416)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 The sound pressure level measured by the conventional method in JIS for reference purpose.
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YSNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-EP192YSNU-A1 (-BS)		PURY-EP216YSNU-A1 (-BS)		PURY-EP240YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	192,000		216,000		240,000	
	*1	kW	56.3		63.3		70.3	
	Power input	kW	13.60		16.06		19.17	
(460)	Current input	A	18.9		22.3		26.7	
(Rated)		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
	Power input	kW	15.80	15.90	19.00	19.10	22.35	22.60
(460)	Current input	A	22.0	22.1	26.4	26.6	31.1	31.5
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	215,000		243,000		270,000	
	*2	kW	63.0		71.2		79.1	
	Power input	kW	16.02		18.67		22.03	
(460)	Current input	A	22.3		26.0		30.7	
(Rated)		BTU / h	204,000		232,000		258,000	
		kW	59.8		68.0		75.6	
	Power input	kW	14.46	14.75	16.91	17.32	20.52	19.90
(460)	Current input	A	20.1	20.5	23.5	24.1	28.6	27.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	80.5/82.0		82.0/83.0		83.0/83.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	
Set Model								
Model			**PURY-EP96YNU-A1 (-BS)**	**PURY-EP96YNU-A1 (-BS)**	**PURY-EP96YNU-A1 (-BS)**	**PURY-EP120YNU-A1 (-BS)**	**PURY-EP120YNU-A1 (-BS)**	**PURY-EP120YNU-A1 (-BS)**
Minimum Circuit Ampacity		A	20	20	20	26	26	26
Maximum Overcurrent Protection		A	30	30	30	40	40	40
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
	Airflow rate	cfm	7,400	7,400	7,400	8,300	8,300	8,300
		m^3 / min	210	210	210	235	235	235
		L / s	3,500	3,500	3,500	3,920	3,920	3,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	5.5	7.6	7.6	7.6
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
Net weight		lbs (kg)	649 (294)	649 (294)	649 (294)	657 (298)	657 (298)	657 (298)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YSNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-EP264YSNU-A1 (-BS)		PURY-EP288YSNU-A1 (-BS)		PURY-EP312YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000		312,000	
	*1	kW	77.4		84.4		91.4	
	Power input	kW	21.86		24.83		27.98	
	(460) Current input	A	30.4		34.6		39.0	
(Rated)		BTU / h	252,000		276,000		298,000	
		kW	73.9		80.9		87.3	
	Power input	kW	25.30	25.43	28.60	28.45	30.80	30.68
	(460) Current input	A	35.2	35.4	39.8	39.6	42.9	42.7
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	295,000		323,000		350,000	
	*2	kW	86.5		94.7		102.6	
	Power input	kW	24.56		27.30		30.53	
	(460) Current input	A	34.2		38.0		42.5	
(Rated)		BTU / h	280,000		304,000		334,000	
		kW	82.1		89.1		97.9	
	Power input	kW	22.65	22.30	25.15	25.05	28.35	27.78
	(460) Current input	A	31.5	31.0	35.0	34.9	39.5	38.7
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	87.0/87.0		88.5/88.5		87.0/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	
Set Model								
Model			PURY-EP120YNU-A1 (-BS)	PURY-EP144YNU-A1 (-BS)	PURY-EP144YNU-A1 (-BS)	PURY-EP144YNU-A1 (-BS)	PURY-EP144YNU-A1 (-BS)	PURY-EP168YNU-A1 (-BS)
Minimum Circuit Ampacity		A	26	34	34	34	34	35
Maximum Overcurrent Protection		A	40	50	50	50	50	50
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
	Airflow rate	cfm	8,300	9,550	9,550	9,550	9,550	14,850
		m^3 / min	235	270	270	270	270	420
		L / s	3,920	4,500	4,500	4,500	4,500	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.92+0.92
	*4 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.6	9.8	9.8	9.8	9.8	12.2
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	657 (298)	715 (324)	715 (324)	715 (324)	715 (324)	807 (366)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP336YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	336,000	
	*1	kW	98.5	
	Power input	kW	31.43	
(460)	Current input	A	43.8	
(Rated)		BTU / h	320,000	
		kW	93.8	
	Power input	kW	33.45	33.32
(460)	Current input	A	46.6	46.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	378,000	
	*2	kW	110.8	
	Power input	kW	33.55	
(460)	Current input	A	46.7	
(Rated)		BTU / h	360,000	
		kW	105.5	
	Power input	kW	31.30	30.20
(460)	Current input	A	43.6	42.1
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	84.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed	

Set Model				
Model			**PURY-EP168YNU-A1 (-BS)**	**PURY-EP168YNU-A1 (-BS)**
Minimum Circuit Ampacity		A	35	35
Maximum Overcurrent Protection		A	50	50
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	14,850	14,850
		m^3 / min	420	420
		L / s	7,000	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
*4	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter
	Motor output	kW	12.2	12.2
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 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)
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	807 (366)	807 (366)
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series High efficiency (460V)
PURY-EP YSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-EP384YSNU-A1 (-BS)		PURY-EP432YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	384,000		432,000	
	*1	kW	112.5		126.6	
	Power input	kW	36.62		42.36	
(460)	Current input	A	51.0		59.0	
(Rated)		BTU / h	364,000		410,000	
		kW	106.7		120.2	
	Power input	kW	39.05	38.27	44.40	43.98
(460)	Current input	A	54.4	53.3	61.9	61.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	430,000		480,000	
	*2	kW	126.0		140.7	
	Power input	kW	38.66		43.14	
(460)	Current input	A	53.9		60.1	
(Rated)		BTU / h	410,000		455,000	
		kW	120.2		133.4	
	Power input	kW	36.47	34.75	40.70	38.90
(460)	Current input	A	50.8	48.4	56.7	54.2
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*3	dB <A>	86.5/89.0		89.0/89.0	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PURY-EP192YNU-A1 (-BS)	PURY-EP192YNU-A1 (-BS)	PURY-EP216YNU-A1 (-BS)	PURY-EP216YNU-A1 (-BS)
Minimum Circuit Ampacity		A	38	38	41	41
Maximum Overcurrent Protection		A	60	60	70	70
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	13,050	13,050	14,100	14,100
		m^3 / min	370	370	400	400
		L / s	6,170	6,170	6,670	6,670
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	13.2	13.2	15.8	15.8
	Case heater	kW	0.048	0.048	0.048	0.048
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 x 1,750 x 740	1,818 x 1,750 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	918 (416)	918 (416)	918 (416)	918 (416)
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Nominal cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 Cooling mode / Heating mode
*4 The sound pressure level measured by the conventional method in JIS for reference purpose.
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (208-230V)
PURY-P TNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P72TNU-A1 (-BS)		PURY-P96TNU-A1 (-BS)		PURY-P120TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
(208-230)	Power input	kW	4.62		6.50		8.82	
(208-230)	Current input	A	14.2-12.8		20.0-18.1		27.2-24.6	
(Rated)		BTU / h	69,000		92,000		115,000	
(Rated)		kW	20.2		27.0		33.7	
(208-230)	Power input	kW	5.54	5.69	7.70	7.83	10.82	10.91
(208-230)	Current input	A	17.0-15.4	17.5-15.8	23.7-21.4	24.1-21.8	33.3-30.1	33.6-30.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
(208-230)	Power input	kW	5.66		7.58		10.07	
(208-230)	Current input	A	17.4-15.7		23.3-21.1		31.0-28.0	
(Rated)		BTU / h	76,000		103,000		129,000	
(Rated)		kW	22.3		30.2		37.8	
(208-230)	Power input	kW	5.12	5.36	6.93	7.01	9.01	9.50
(208-230)	Current input	A	15.7-14.2	16.5-14.9	21.3-19.3	21.6-19.5	27.7-25.1	29.2-26.4
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*4	dB <A>	75.5/77.0		77.5/79.0		80.0/80.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	30-27		40-37		50-46	
Maximum Overcurrent Protection		A	50-45		60-50		80-70	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,000		7,400		8,300	
		m^3 / min	170		210		235	
		L / s	2,830		3,500		3,920	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	4.0		5.6		7.8	
	Case heater	kW	0.035		0.035		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 11 lbs + 7 oz (5.2 kg)		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 17 lbs + 10 oz (8.0 kg)	
Net weight		lbs (kg)	483 (219)		576 (261)		598 (271)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,301,306S-G,CMY-R302,303, 304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (208-230V)
PURY-P TNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P144TNU-A1 (-BS)		PURY-P168TNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	144,000		168,000	
	*1	kW	42.2		49.2	
	Power input	kW	11.74		14.99	
(208-230)	Current input	A	36.2-32.7		46.2-41.8	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
	Power input	kW	13.36	13.36	15.56	15.66
(208-230)	Current input	A	41.2-37.2	41.2-37.2	47.9-43.3	48.2-43.6
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000	
	*2	kW	46.9		55.1	
	Power input	kW	12.49		15.16	
(208-230)	Current input	A	38.5-34.8		46.7-42.2	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
	Power input	kW	11.14	11.82	13.23	14.43
(208-230)	Current input	A	34.3-31.0	36.4-32.9	40.8-36.9	44.5-40.2
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room)	*4	dB <A>	85.5/85.5		81.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	60-55		66-64	
Maximum Overcurrent Protection		A	100-90		110-100	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9,550		14,850	
		m^3 / min	270		420	
		L / s	4,500		7,000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.9		12.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	646 (293)		739 (335)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (208-230V)
PURY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P192TSNU-A1 (-BS)		PURY-P216TSNU-A1 (-BS)		PURY-P240TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	192,000		216,000		240,000	
(Nominal) *1		kW	56.3		63.3		70.3	
	Power input	kW	14.44		16.85		20.08	
(208-230)	Current input	A	44.5-40.2		51.9-46.9		61.9-56.0	
(Rated)		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
	Power input	kW	16.75	16.70	19.55	19.70	22.93	22.68
(208-230)	Current input	A	51.6-46.7	51.5-46.5	60.2-54.5	60.7-54.9	70.7-63.9	69.9-63.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	215,000		243,000		270,000	
(Nominal) *2		kW	63.0		71.2		79.1	
	Power input	kW	16.40		19.05		22.45	
(208-230)	Current input	A	50.5-45.7		58.7-53.1		69.2-62.6	
(Rated)		BTU / h	204,000		232,000		258,000	
		kW	59.8		68.0		75.6	
	Power input	kW	14.88	15.04	17.23	17.68	20.64	20.58
(208-230)	Current input	A	45.8-41.5	46.3-41.9	53.1-48.0	54.5-49.3	63.6-57.5	63.4-57.4
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	80.5/82.0		82.0/83.0		83.0/83.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
Set Model								
Model			PURY-P96TNU-A1 (-BS)	PURY-P96TNU-A1 (-BS)	PURY-P96TNU-A1 (-BS)	PURY-P120TNU-A1 (-BS)	PURY-P120TNU-A1 (-BS)	PURY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity		A	40-37	40-37	40-37	50-46	50-46	50-46
Maximum Overcurrent Protection		A	60-50	60-50	60-50	80-70	80-70	80-70
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
	Airflow rate	cfm	7,400	7,400	7,400	8,300	8,300	8,300
		m^3 / min	210	210	210	235	235	235
		L / s	3,500	3,500	3,500	3,920	3,920	3,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	5.6	7.8	7.8	7.8
	Case heater	kW	0.035	0.035	0.035	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
Net weight		lbs (kg)	576 (261)	576 (261)	576 (261)	598 (271)	598 (271)	598 (271)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (208-230V)
PURY-P TSNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-P264TSNU-A1 (-BS)		PURY-P288TSNU-A1 (-BS)		PURY-P312TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	264,000		288,000		312,000	
	*1	kW	77.4		84.4		91.4	
	Power input	kW	23.14		26.47		29.80	
(208-230)	Current input	A	71.3-64.5		81.6-73.8		91.9-83.1	
(Rated)		BTU / h	252,000		276,000		298,000	
		kW	73.9		80.9		87.3	
	Power input	kW	26.01	25.85	29.07	28.99	31.42	31.71
(208-230)	Current input	A	80.2-72.5	79.7-72.0	89.6-81.0	89.4-80.8	96.9-87.6	97.7-88.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	295,000		323,000		350,000	
	*2	kW	86.5		94.7		102.6	
	Power input	kW	24.99		27.65		30.75	
(208-230)	Current input	A	77.0-69.7		85.2-77.1		94.8-85.7	
(Rated)		BTU / h	280,000		304,000		334,000	
		kW	82.1		89.1		97.9	
	Power input	kW	22.82	22.88	25.30	25.52	28.50	28.10
(208-230)	Current input	A	70.3-63.6	70.5-63.8	78.0-70.5	78.7-71.1	87.8-79.4	86.6-78.3
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	87.0/87.0		88.5/88.5		87.0/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	
Set Model								
Model			PURY-P120TNU-A1 (-BS)	PURY-P144TNU-A1 (-BS)	PURY-P144TNU-A1 (-BS)	PURY-P144TNU-A1 (-BS)	PURY-P144TNU-A1 (-BS)	PURY-P168TNU-A1 (-BS)
Minimum Circuit Ampacity		A	50-46	60-55	60-55	60-55	60-55	66-64
Maximum Overcurrent Protection		A	80-70	100-90	100-90	100-90	100-90	110-100
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
	Airflow rate	cfm	8,300	9,550	9,550	9,550	9,550	14,850
		m^3 / min	235	270	270	270	270	420
		L / s	3,920	4,500	4,500	4,500	4,500	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.92+0.92
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.8	9.9	9.9	9.9	9.9	12.2
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	598 (271)	646 (293)	646 (293)	646 (293)	646 (293)	739 (335)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (208-230V)
PURY-P TSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P336TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity *1 (Nominal) *1		BTU / h	336,000	
		kW	98.5	
(208-230)	Power input	kW	33.76	
	Current input	A	104.1-94.1	
(Rated)		BTU / h	320,000	
		kW	93.8	
(208-230)	Power input	kW	33.80	34.53
	Current input	A	104.2-94.2	106.4-96.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity *2 (Nominal) *2		BTU / h	378,000	
		kW	110.8	
(208-230)	Power input	kW	33.66	
	Current input	A	103.8-93.8	
(Rated)		BTU / h	360,000	
		kW	105.5	
(208-230)	Power input	kW	31.30	30.34
	Current input	A	96.5-87.2	93.5-84.6
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	84.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed	

Set Model

Model			PURY-P168TNU-A1 (-BS)	PURY-P168TNU-A1 (-BS)
Minimum Circuit Ampacity		A	66-64	66-64
Maximum Overcurrent Protection		A	110-100	110-100
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	14,850	14,850
		m^3 / min	420	420
		L / s	7,000	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter
	Motor output	kW	12.2	12.2
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 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)
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	739 (335)	739 (335)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (460V)
PURY-P YNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P72YNU-A1 (-BS)		PURY-P96YNU-A1 (-BS)		PURY-P120YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	72,000		96,000		120,000	
	*1	kW	21.1		28.1		35.2	
(460)	Power input	kW	4.62		6.50		8.82	
(460)	Current input	A	6.4		9.0		12.3	
(Rated)		BTU / h	69,000		92,000		115,000	
		kW	20.2		27.0		33.7	
(460)	Power input	kW	5.54	5.69	7.70	7.83	10.82	10.91
(460)	Current input	A	7.7	7.9	10.7	10.9	15.0	15.2
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	80,000		108,000		135,000	
	*2	kW	23.4		31.7		39.6	
(460)	Power input	kW	5.66		7.58		10.07	
(460)	Current input	A	7.8		10.5		14.0	
(Rated)		BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
(460)	Power input	kW	5.12	5.36	6.93	7.01	9.01	9.50
(460)	Current input	A	7.1	7.4	9.6	9.7	12.5	13.2
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~18		P04~P96/1~24		P04~P96/1~30	
Sound power level (measured in anechoic room)	*4	dB <A>	75.5/77.0		77.5/79.0		80.0/80.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	14		19		25	
Maximum Overcurrent Protection		A	20		30		40	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,000		7,400		8,300	
		m^3 / min	170		210		235	
		L / s	2,830		3,500		3,920	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.46+0.46		0.46+0.46	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	4.0		5.6		7.8	
	Case heater	kW	0.035		0.035		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 36-1/4 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 920 x 740		1,818 x 1,240 x 740		1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-		-		-	
Refrigerant	Type x original charge		R410A x 11 lbs + 7 oz (5.2 kg)		R410A x 17 lbs + 10 oz (8.0 kg)		R410A x 17 lbs + 10 oz (8.0 kg)	
Net weight		lbs (kg)	516 (234)		611 (277)		633 (287)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,301, 306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,301,306S-G,CMY-R302,303, 304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (460V)
PURY-P YNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P144YNU-A1 (-BS)		PURY-P168YNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	144,000		168,000	
(Nominal) *1		kW	42.2		49.2	
	Power input	kW	11.74		14.99	
(460)	Current input	A	16.3		20.9	
(Rated)		BTU / h	138,000		160,000	
		kW	40.4		46.9	
	Power input	kW	13.36	13.36	15.56	15.66
(460)	Current input	A	18.6	18.6	21.6	21.8
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	160,000		188,000	
(Nominal) *2		kW	46.9		55.1	
	Power input	kW	12.49		15.16	
(460)	Current input	A	17.4		21.1	
(Rated)		BTU / h	152,000		178,000	
		kW	44.5		52.2	
	Power input	kW	11.14	11.82	13.23	14.43
(460)	Current input	A	15.5	16.4	18.4	20.1
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/1~36		P04~P96/1~42	
Sound power level (measured in anechoic room) *4		dB <A>	85.5/85.5		81.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	28		32	
Maximum Overcurrent Protection		A	45		50	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9,550		14,850	
		m^3 / min	270		420	
		L / s	4,500		7,000	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.92+0.92	
*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	9.9		12.2	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 68-15/16 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight		lbs (kg)	682 (309)		774 (351)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (460V)
PURY-P YSNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-P192YSNU-A1 (-BS)		PURY-P216YSNU-A1 (-BS)		PURY-P240YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity	*1	BTU / h	192,000		216,000		240,000	
(Nominal)	*1	kW	56.3		63.3		70.3	
	Power input	kW	14.44		16.85		20.08	
(460)	Current input	A	20.1		23.4		28.0	
(Rated)		BTU / h	184,000		206,000		230,000	
		kW	53.9		60.4		67.4	
	Power input	kW	16.75	16.70	19.55	19.70	22.93	22.68
(460)	Current input	A	23.3	23.2	27.2	27.4	31.9	31.6
Temp. range of	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
cooling	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity	*2	BTU / h	215,000		243,000		270,000	
(Nominal)	*2	kW	63.0		71.2		79.1	
	Power input	kW	16.40		19.05		22.45	
(460)	Current input	A	22.8		26.5		31.3	
(Rated)		BTU / h	204,000		232,000		258,000	
		kW	59.8		68.0		75.6	
	Power input	kW	14.88	15.04	17.23	17.68	20.64	20.58
(460)	Current input	A	20.7	20.9	24.0	24.6	28.7	28.7
Temp. range of	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
heating *3	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
connectable	Model / Quantity		P04~P96/1~48		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	80.5/82.0		82.0/83.0		83.0/83.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PURY-P96YNU-A1 (-BS)	PURY-P96YNU-A1 (-BS)	PURY-P96YNU-A1 (-BS)	PURY-P120YNU-A1 (-BS)	PURY-P120YNU-A1 (-BS)	PURY-P120YNU-A1 (-BS)
Minimum Circuit Ampacity		A	19	19	19	25	25	25
Maximum Overcurrent Protection		A	30	30	30	40	40	40
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
	Airflow rate	cfm	7,400	7,400	7,400	8,300	8,300	8,300
		m^3 / min	210	210	210	235	235	235
		L / s	3,500	3,500	3,500	3,920	3,920	3,920
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	5.6	7.8	7.8	7.8
	Case heater	kW	0.035	0.035	0.035	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 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-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
Net weight		lbs (kg)	611 (277)	611 (277)	611 (277)	633 (287)	633 (287)	633 (287)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit	High pressure	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed
and distributor	Low pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (460V)
PURY-P YSNU-A1(-BS)

▸ Specifications

Outdoor Model			PURY-P264YSNU-A1 (-BS)		PURY-P288YSNU-A1 (-BS)		PURY-P312YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz		3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity *1		BTU / h	264,000		288,000		312,000	
(Nominal) *1		kW	77.4		84.4		91.4	
	Power input	kW	23.14		26.47		29.80	
(460)	Current input	A	32.2		36.9		41.5	
(Rated)		BTU / h	252,000		276,000		298,000	
		kW	73.9		80.9		87.3	
	Power input	kW	26.01	25.85	29.07	28.99	31.42	31.71
(460)	Current input	A	36.2	36.0	40.5	40.4	43.8	44.2
Temp. range of	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
cooling	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)	
Heating capacity *2		BTU / h	295,000		323,000		350,000	
(Nominal) *2		kW	86.5		94.7		102.6	
	Power input	kW	24.99		27.65		30.75	
(460)	Current input	A	34.8		38.5		42.8	
(Rated)		BTU / h	280,000		304,000		334,000	
		kW	82.1		89.1		97.9	
	Power input	kW	22.82	22.88	25.30	25.52	28.50	28.10
(460)	Current input	A	31.8	31.9	35.2	35.5	39.7	39.1
Temp. range of	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
heating *3	Outdoor	W.B.	-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)		-13~60°F (-25~15.5°C)	
Indoor unit	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
connectable	Model / Quantity		P04~P96/2~50		P04~P96/2~50		P04~P96/2~50	
Sound power level (measured in anechoic room) *4		dB <A>	87.0/87.0		88.5/88.5		87.0/88.5	
Refrigerant	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
piping diameter	Low pressure	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed	

Set Model

Model			PURY-P120YNU-A1 (-BS)	PURY-P144YNU-A1 (-BS)	PURY-P144YNU-A1 (-BS)	PURY-P144YNU-A1 (-BS)	PURY-P144YNU-A1 (-BS)	PURY-P168YNU-A1 (-BS)
Minimum Circuit Ampacity		A	25	28	28	28	28	32
Maximum Overcurrent Protection		A	40	45	45	45	45	50
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
	Airflow rate	cfm	8,300	9,550	9,550	9,550	9,550	14,850
		m^3 / min	235	270	270	270	270	420
		L / s	3,920	4,500	4,500	4,500	4,500	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.92+0.92
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.8	9.9	9.9	9.9	9.9	12.2
	Case heater	kW	0.045	0.045	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 48-7/8 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 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)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	633 (287)	682 (309)	682 (309)	682 (309)	682 (309)	774 (351)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit	High pressure	in. (mm)	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
and distributor	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203, 204,205,306S-G,CMY-R302,303, 304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series Standard (460V)
PURY-P YSNU-A1(-BS)

► Specifications

Outdoor Model			PURY-P336YSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 460 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	336,000	
	*1	kW	98.5	
(460)	Power input	kW	33.76	
(460)	Current input	A	47.0	
(Rated)		BTU / h	320,000	
		kW	93.8	
(460)	Power input	kW	33.80	34.53
(460)	Current input	A	47.1	48.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
Heating capacity (Nominal)	*2	BTU / h	378,000	
	*2	kW	110.8	
(460)	Power input	kW	33.66	
(460)	Current input	A	46.9	
(Rated)		BTU / h	360,000	
		kW	105.5	
(460)	Power input	kW	31.30	30.34
(460)	Current input	A	43.6	42.3
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model / Quantity		P04~P96/2~50	
Sound power level (measured in anechoic room)	*4	dB <A>	84.5/88.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed	

Set Model

Model			PURY-P168YNU-A1 (-BS)	PURY-P168YNU-A1 (-BS)
Minimum Circuit Ampacity		A	32	32
Maximum Overcurrent Protection		A	50	50
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	14,850	14,850
		m^3 / min	420	420
		L / s	7,000	7,000
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
*5	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter
	Motor output	kW	12.2	12.2
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 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)
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
Net weight		lbs (kg)	774 (351)	774 (351)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Optional parts			Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
*4 Cooling mode / Heating mode
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

OUTDOOR UNIT
R2-Series (575V)
PURY-P ZKMU-B(-BS)

► Specifications

Outdoor Model			PURY-P72ZKMU-B (-BS)		PURY-P96ZKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity *1		BTU/h	72,000		96,000	
(Nominal) *1		kW	21.1		28.1	
	Power input	kW	5.11		7.06	
(575)	Current input	A	5.7		7.8	
(Rated)		BTU/h	69,000		92,000	
		kW	20.2		27.0	
	Power input	kW	5.81	5.74	8.05	8.00
(575)	Current input	A	6.4	6.4	8.9	8.9
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity *2		BTU/h	80,000		108,000	
(Nominal) *2		kW	23.4		31.7	
	Power input	kW	5.89		8.85	
(575)	Current input	A	6.5		9.8	
(Rated)		BTU/h	76,000		103,000	
		kW	22.3		30.2	
	Power input	kW	5.83	5.87	8.34	7.96
(575)	Current input	A	6.5	6.5	9.3	8.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P04~P96/1~18		P04~P96/1~24	
Sound pressure level (measured in anechoic room)		dB <A>	81.0		81.5	
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	Low pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed	
Minimum Circuit Ampacity		A	11		15	
Maximum Overcurrent Protection		A	15		25	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,550		6,550	
		m^3/min	185		185	
		L/s	3,080		3,080	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92		0.92	
*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.7		6.6	
	Case heater	kW	0.035		0.035	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	65 x 36-1/4 x 29-3/16		65 x 48-1/16 x 29-3/16	
		mm	1,650 x 920 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	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 21 lbs (9.5 kg)		R410A x 22 lbs + 12 oz (10.3 kg)	
Net weight		lbs (kg)	508 (230)		567 (257)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,301,306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,301,306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
R2-Series (575V)
PURY-P ZKMU-B(-BS)

► Specifications

Outdoor Model			PURY-P120ZKMU-B (-BS)		PURY-P144ZKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity *1		BTU/h	120,000		144,000	
(Nominal) *1		kW	35.2		42.2	
	Power input	kW	8.62		11.13	
(575)	Current input	A	9.6		12.4	
(Rated)		BTU/h	115000		138,000	
		kW	33.7		40.4	
	Power input	kW	10.55	10.64	13.90	13.62
(575)	Current input	A	11.7	11.8	15.5	15.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity *2		BTU/h	135,000		160,000	
(Nominal) *2		kW	39.6		46.9	
	Power input	kW	10.84		12.86	
(575)	Current input	A	12.0		14.3	
(Rated)		BTU/h	129,000		152,000	
		kW	37.8		44.5	
	Power input	kW	10.40	10.25	12.03	11.98
(575)	Current input	A	11.6	11.4	13.4	13.3
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P04~P96/1~30		P04~P96/1~36	
Sound pressure level (measured in anechoic room)		dB <A>	83.0		83.5	
Refrigerant piping diameter	High pressure	in. (mm)	3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity		A	21		23	
Maximum Overcurrent Protection		A	30		35	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	11,300		11,300	
		m^3/min	320		320	
		L/s	5,330		5,330	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92		0.92+0.92	
*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	8.2		9.5	
	Case heater	kW	0.045		0.045	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	65 x 68-15/16 x 29-3/16		65 x 68-15/16 x 29-3/16	
		mm	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)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight		lbs (kg)	770(349)		770(349)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,301,306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J2 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,301,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
R2-Series (575V)
PURY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PURY-P168ZSKMU-B (-BS)		PURY-P192ZSKMU-B (-BS)		PURY-P216ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU/h	168,000		192,000		216,000	
	*1	kW	49.2		56.3		63.3	
	Power input	kW	13.66		15.92		17.74	
(575)	Current input	A	15.2		17.7		19.7	
(Rated)		BTU/h	160,000		184,000		206,000	
		kW	46.9		53.9		60.4	
	Power input	kW	14.46	14.42	17.15	17.11	19.99	19.56
(575)	Current input	A	16.1	16.0	19.1	19.0	22.3	21.8
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity (Nominal)	*2	BTU/h	188,000		215,000		243,000	
	*2	kW	55.1		63.0		71.2	
	Power input	kW	15.42		17.79		20.61	
(575)	Current input	A	17.2		19.8		22.9	
(Rated)		BTU/h	179,000		205,000		232,000	
		kW	52.5		60.1		68.0	
	Power input	kW	14.09	14.58	16.74	16.26	19.55	18.72
(575)	Current input	A	15.7	16.2	18.6	18.1	21.8	20.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P04~P96/1~42		P04~P96/1~48		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	84.5		84.5		85.5	
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	

Set Model

Model			PURY-P72ZKMU-B (-BS)	PURY-P96ZKMU-B (-BS)	PURY-P96ZKMU-B (-BS)	PURY-P96ZKMU-B (-BS)	PURY-P96ZKMU-B (-BS)	PURY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	11	15	15	15	15	21
Maximum Overcurrent Protection		A	15	25	25	25	25	30
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Airflow rate	cfm	6,550	6,550	6,550	6,550	6,550	11,300
		m^3/min	185	185	185	185	185	320
		L/s	3,080	3,080	3,080	3,080	3,080	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92	0.92	0.92	0.92	0.92	0.92+0.92
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	4.7	6.6	6.6	6.6	6.6	8.2
	Case heater	kW	0.035	0.035	0.035	0.035	0.035	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		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 68-15/16 x 29-3/16
		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 1,750 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)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 21 lbs (9.5 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	508 (230)	567 (257)	567 (257)	567 (257)	567 (257)	770(349)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			Outdoor Twinning kit: CMY-R100CBK2 joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203,204, 306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R100CBK2 joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203,204, 306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1,CMY-R201,202,203,204, 306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
R2-Series (575V)
PURY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PURY-P240ZSKMU-B (-BS)		PURY-P264ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted	Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU/h	240,000		264,000	
	*1	kW	70.3		77.4	
(575)	Power input	kW	19.62		22.69	
(575)	Current input	A	21.8		25.3	
(Rated)		BTU/h	230,000		252,000	
		kW	67.4		73.9	
(575)	Power input	kW	23.28	22.32	26.33	25.26
(575)	Current input	A	25.9	24.9	29.3	28.1
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity (Nominal)	*2	BTU/h	270,000		295,000	
	*2	kW	79.1		86.5	
(575)	Power input	kW	23.55		25.94	
(575)	Current input	A	26.2		28.9	
(Rated)		BTU/h	258,000		281,000	
		kW	75.6		82.4	
(575)	Power input	kW	22.14	21.63	24.62	23.65
(575)	Current input	A	24.7	24.1	27.4	26.3
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	86.0		86.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed	

Set Model

Model			PURY-P120ZKMU-B (-BS)	PURY-P120ZKMU-B (-BS)	PURY-P120ZKMU-B (-BS)	PURY-P144ZKMU-B (-BS)
Minimum Circuit Ampacity		A	21	21	21	23
Maximum Overcurrent Protection		A	30	30	30	35
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	11,300	11,300	11,300	11,300
		m^3/min	320	320	320	320
		L/s	5,330	5,330	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	8.2	8.2	8.2	9.5
	Case heater	kW	0.045	0.045	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		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
		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
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	
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	770(349)	770(349)	770(349)	770(349)
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2		Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT
R2-Series (575V)
PURY-P ZSKMU-B(-BS)

► Specifications

Outdoor Model			PURY-P288ZSKMU-B (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU/h	288,000	
	*1	kW	84.4	
	Power input	kW	25.23	
(575)	Current input	A	28.1	
(Rated)		BTU/h	276,000	
		kW	80.9	
	Power input	kW	30.15	28.59
(575)	Current input	A	33.6	31.8
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~115°F (-5~46°C)	
Heating capacity (Nominal)	*2	BTU/h	323,000	
	*2	kW	94.7	
	Power input	kW	28.13	
(575)	Current input	A	31.3	
(Rated)		BTU/h	304,000	
		kW	89.1	
	Power input	kW	26.85	25.60
(575)	Current input	A	29.9	28.5
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P04~P96/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	86.5	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed	
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed	

Set Model

Model			PURY-P144ZKMU-B (-BS)	PURY-P144ZKMU-B (-BS)
Minimum Circuit Ampacity		A	23	23
Maximum Overcurrent Protection		A	35	35
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	11,300	11,300
		m^3/min	320	320
		L/s	5,330	5,330
	Control, Driving mechanism		Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92	0.92+0.92
*3	External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	Inverter
	Motor output	kW	9.5	9.5
	Case heater	kW	0.045	0.045
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16
		mm	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)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
Net weight		lbs (kg)	770(349)	770(349)
Heat exchanger			Salt-resistant cross fin & copper tube	
Optional parts			Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,CMY-R201,202,203,204,205,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2	

Notes:

*1,*2 Cooling and heating conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80ºF D.B./67ºF W.B. (26.7ºC D.B./19.4ºC W.B.)	95ºF D.B. (35ºC D.B.)
Heating	70ºF D.B. (21.1ºC D.B.)	47ºF D.B./43ºF W.B. (8.3ºC D.B./6.1ºC W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

S-Series

Cooling or Heating Heat pump NEW

H2i Standard

Cooling/heating changeover system with horizontal airflow for small offices and stores

The CITY MULTI S-Series (for small applications) makes use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilizes R410A refrigerant and an inverter-driven compressor for effective energy use.
With a wide lineup of indoor units connected to a flexible piping system, the CITY MULTI Series can be configured to suit diverse applications. Thanks to the individual operation of up to 12 units* and a group change function, the CITY MULTI S-Series can flexibly accommodate layout changes in stores and offices.

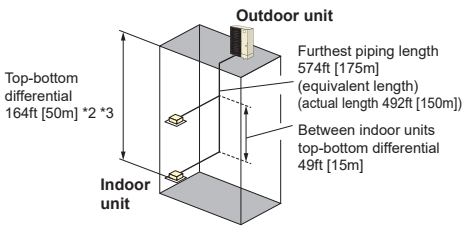
*For P48/60 and HP42/48 models

• Small offices

• System Pipe Lengths

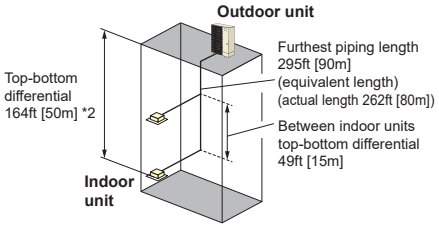
[HP36/42/48NKMU2, P36/48NKMU4]

Refrigerant Piping Lengths	Maximum feet [Meters]
Total length	984 [300]
Maximum allowable length	492 (574 equivalent) [150 (175)]
Farthest indoor from first branch	98 [30]
Vertical differentials between units	**Maximum feet [Meters]**
Indoor/outdoor (outdoor higher)	164 [50]
Indoor/outdoor (outdoor lower)	131 [40] *3
Indoor/indoor	49 [15]



[P60NKMU4]

Refrigerant Piping Lengths	Maximum feet [Meters]
Total length	492 [150]
Maximum allowable length	262 (295 equivalent) [80 (90)]
Farthest indoor from first branch	98 [30]
Vertical differentials between units	**Maximum feet [Meters]**
Indoor/outdoor (outdoor higher)	164 [50]
Indoor/outdoor (outdoor lower)	131 [40]
Indoor/indoor	49 [15]



*1 When the outdoor unit is installed below the indoor unit, top-bottom differential is 98ft [30m].
*2 When the outdoor unit is installed below the indoor unit, top-bottom differential is 131ft [40m].
*3 When PKFY-P04/06/08/12NLMU, PFFY-P06/08/12NEMU, or PFFY-P06/08/12NRMU is included, use within 98ft [30m].

Optional parts

• For S-Series

Description	Model	Remarks
Joint	CMY-Y62-G-E	For PUMY-HP NKMU2, PUMY-P NKMU4(-BS)
Header	CMY-Y64-G-E	For PUMY-HP NKMU2, PUMY-P NKMU4(-BS)
	CMY-Y68-G-E	For PUMY-HP NKMU2, PUMY-P NKMU4(-BS)

OUTDOOR UNIT
S-Series H2i
PUMY-HP NKMU2

► Specifications

Service Ref.			PUMY-HP36NKMU2			PUMY-HP42NKMU2			PUMY-HP48NKMU2		
Indoor type			Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted
Cooling	Capacity Rated *1	Btu/h	36,000	36,000	36,000	42,000	42,000	42,000	48,000	48,000	48,000
	Rated power consumption *1	W	2,400	2,740	3,190	3,135	3,500	3,965	3,665	4,090	4,615
	Current input(208/230V)	A	11.7/10.6	13.4/12.1	15.6/14.1	15.3/13.8	17.1/15.4	19.4/17.5	17.9/16.2	20.0/18.1	22.5/20.4
	EER2	Btu/h/W	15.00	13.15	11.30	13.40	12.00	10.60	13.10	11.75	10.40
	SEER2	-	23.00	19.30	15.60	21.50	18.85	14.70	23.00	18.85	14.70
Heating	Capacity Rated 47°F *1	Btu/h	42,000	42,000	42,000	48,000	48,000	48,000	54,000	54,000	54,000
	Capacity Max. 17°F *2	Btu/h	42,000	42,000	42,000	48,000	48,000	48,000	54,000	54,000	54,000
	Capacity Max. 5°F	Btu/h	38,500	38,500	38,500	44,000	44,000	44,000	47,000	47,000	47,000
	Rated power consumption 47°F *1	W	3,080	3,330	3,620	3,435	3,805	4,265	3,960	4,400	4,950
	Current input (208/230V)	A	15.0/13.6	16.3/14.7	17.7/16.0	16.8/15.2	18.6/16.8	20.8/18.8	19.3/17.5	21.5/19.4	24.2/21.8
	COP 47°F *1	W/W	4.00	3.70	3.40	4.10	3.70	3.30	4.00	3.60	3.20
	HSPF2 IV/V	-	12.00/10.65	10.95/9.70	9.90/8.80	11.10/9.80	10.10/9.30	9.10/8.80	11.50/9.80	10.15/9.05	8.80/8.30
Power supply			1-phase 208/230 V, 60 Hz								
Breaker Size/Maximum over current protection			40 A/80 A (When power is supplied separately) 45 A/86 A (When power is supplied from the outdoor unit)								
Minimum circuit ampacity			45 A (When power is supplied separately) 51 A (When power is supplied from the outdoor unit)								
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity								
	Model/Quantity *3	CITY MULTI	04 - 36/11			04 - 54/12			04 - 54/12		
Sound pressure level (measured in anechoic room)		dB <A>	49/53			50/54			51/54		
Refrigerant piping diameter	Liquid pipe	inch (mm)	3/8 (ø9.52)								
	Gas pipe	inch (mm)	5/8 (ø15.88)								
Fan	Type × Quantity		Propeller fan × 2								
	Airflow rate	m^3/min	110								
		L/s	1,834								
		cfm	3,885								
	Control, Driving mechanism		DC control								
	Motor output	kW	0.074 × 2								
	External static press.		0								
Compressor	Type × Quantity		Scroll hermetic compressor x 1								
	Manufacture		Mitsubishi Electric Corporation								
	Starting method		Inverter								
	Motor output	kW	2.8			2.9			3.4		
	Case heater	kW	0								
	Lubricant		FV50S 78oz. (2.3L)								
External finish			Galvanized Steel Sheet <Munsell 3Y 7.8/ 1.1>								
External dimension H × W × D		mm	1,338 × 1,050 × 330 (+25)								
		inch	52-11/16 × 41-11/32 × 13 (+1)								
Protection devices	High pressure protection		High pressure switch								
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat sink thermistor)								
	Compressor protection		Compressor thermo, Overcurrent detection								
	Fan motor protection		Overheating/Voltage protection								
Refrigerant	Type × original charge		R410A 10 lbs. 9 oz. (4.8kg)								
	Control		Linear Expansion Valve								
Net weight		lb (kg)	278 (126)								
Heat exchanger			Cross fin and tube								
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit								
Defrosting method			Reversed refrigerant circuit								
Guaranteed operation range		(Cooling)	D.B 23 to 115°F [D.B.-5 to 46°C] *4*5*6								
		(Heating)	D.B. -13 to 70°F [D.B. -25 to 21°C]								

*1 Rating conditions Cooling Indoor : D.B. 80°F/W.B. 67 °F [D.B.26.7°C/W.B. 19.4°C]
Outdoor : D.B. 95°F [D.B. 35.0°C]
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]
*2 Conditions Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 17°F/W.B. 15°F [D.B. -8.3°C/W.B. -9.4°C]
*3 It cannot be connected mixed CITY MULTI indoor unit and branch box indoor unit.
*4 D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide is installed.
However, this condition does not apply to the indoor units listed in *5.
*5 50 to 115°F (10 to 46°C) D.B.: When connecting PKFY-P04/06/08/12NLMU, PFFY-P06/08/12NEMU, and PFFY-P06/08/12NRMU type indoor unit.
*6 When the temperature is below D.B. 50°F [D.B. 10°C] with branch box system, noise could potentially occur.
Note:Refer to the indoor unit's servise manual for the indoor units specifications.

OUTDOOR UNIT
S-Series Standard
PUMY-P NKMU4(-BS)

► Specifications

Service Ref.			PUMY-P36NKMU4			PUMY-P48NKMU4			PUMY-P60NKMU4		
Indoor type			Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted
Cooling	Capacity Rated *1	Btu/h	36,000	36,000	36,000	48,000	48,000	48,000	60,000	60,000	60,000
	Rated power consumption *1	W	2,400	2,740	3,190	3,665	4,090	4,615	4,515	5,065	5,770
	Current input(208/230V)	A	11.7/10.6	13.4/12.1	15.6/14.1	17.9/16.2	20.0/18.1	22.5/20.4	21.9/19.8	24.6/22.3	28.0/25.4
	EER2	Btu/h/W	15.00	13.15	11.30	13.10	11.75	10.40	13.30	11.85	10.40
	SEER2	-	23.00	19.30	15.60	23.00	18.85	14.70	20.00	17.75	15.50
Heating	Capacity Rated 47°F *1	Btu/h	41,000	41,000	41,000	50,000	50,000	50,000	66,000	66,000	66,000
	Capacity Max. 17°F *2	Btu/h	36,000	36,000	36,000	43,000	43,000	43,000	65,000	65,000	65,000
	Capacity Max. 5°F	Btu/h	29,000	29,000	29,000	35,400	35,400	35,400	46,500	46,500	46,500
	Rated power consumption 47°F *1	W	3,005	3,250	3,535	3,665	4,075	4,580	4,720	5,175	5,690
	Current input (208/230V)	A	14.7/13.3	15.9/14.3	17.3/15.6	17.9/16.2	19.9/18.0	22.4/20.2	22.9/20.7	25.2/22.8	27.7/25.0
	COP 47°F *1	W/W	4.00	3.70	3.40	4.00	3.60	3.20	4.10	3.74	3.40
	HSPF2 IV/V	-	11.00/8.75	9.80/8.05	8.60/7.40	10.40/8.35	9.35/7.90	8.30/7.50	10.50/8.65	9.55/8.05	8.60/7.45
Power supply			1-phase 208/230 V, 60 Hz								
Breaker Size/Maximum over current protection			30 A/64 A (When power is supplied separately) 40 A/70 A (When power is supplied from the outdoor unit)						40 A/80 A (When power is supplied separately) 50 A/90 A (When power is supplied from the outdoor unit)		
Minimum circuit ampacity			36 A (When power is supplied separately) 42 A (When power is supplied from the outdoor unit)						45 A (When power is supplied separately) 55 A (When power is supplied from the outdoor unit)		
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity								
	Model/Quantity *3	CITY MULTI	04 - 36/11			04 - 54/12			04 - 72 /12		
Sound pressure level (measured in anechoic room)		dB <A>	49/53			51/54			58/59		
Refrigerant piping diameter	Liquid pipe	inch (mm)	3/8 (ø9.52)								
	Gas pipe	inch (mm)	5/8 (ø15.88)						3/4 (ø19.05)		
Fan	Type × Quantity		Propeller fan × 2								
	Airflow rate	m³/min	110						138		
		L/s	1,834						2,300		
		cfm	3,885						4,879		
	Control, Driving mechanism		DC control								
	Motor output	kW	0.074 × 2						0.200 × 2		
	External static press.		0								
Compressor	Type × Quantity		Scroll hermetic compressor x 1								
	Manufacture		Mitsubishi Electric Corporation								
	Starting method		Inverter								
	Motor output	kW	2.8			3.4			3.9		
	Case heater	kW	0								
	Lubricant		FV50S 78oz. (2.3L)						FVC68D 78oz. (2.3L)		
External finish			Galvanized Steel Sheet <Munsell 3Y 7.8/ 1.1>								
External dimension H × W × D		mm	1,338 × 1,050 × 330 (+25)								
		inch	52-11/16 × 41-11/32 × 13 (+1)								
Protection devices	High pressure protection		High pressure switch								
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat sink thermistor)								
	Compressor protection		Compressor thermo, Overcurrent detection								
	Fan motor protection		Overheating/Voltage protection								
Refrigerant	Type × original charge		R410A 10 lbs. 9 oz. (4.8kg)						R410A 11 lbs. 4 oz. (5.1kg)		
	Control		Linear Expansion Valve								
Net weight		lb (kg)	271 (123)						300 (136)		
Heat exchanger			Cross fin and tube								
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit								
Defrosting method			Reversed refrigerant circuit								
Guaranteed operation range		(Cooling)	D.B 23 to 115°F [D.B.-5 to 46°C] *4*5*6								
		(Heating)	D.B. -13 to 70°F [D.B. -25 to 21°C]								

*1 Rating conditions Cooling Indoor : D.B. 80°F/W.B. 67 °F [D.B.26.7°C/W.B. 19.4°C]
Outdoor : D.B. 95°F [D.B. 35.0°C]
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]

*2 Conditions Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 17°F/W.B. 15°F [D.B. -8.3°C/W.B. -9.4°C]

*3 It cannot be connected mixed CITY MULTI indoor unit and branch box indoor unit.

*4 D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide is installed.
However, this condition does not apply to the indoor units listed in *5.

*5 50 to 115°F (10 to 46°C) D.B.: When connecting PKFY-P04/06/08/12NLMU, PFFY-P06/08/12NEMU, and PFFY-P06/08/12NRMU type indoor unit.

*6 When the temperature is below D.B. 50°F [D.B. 10°C] with branch box system, noise could potentially occur.

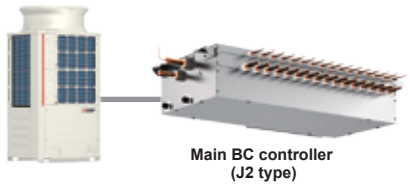
Note:Refer to the indoor unit's servise manual for the indoor units specifications.

BC controller features

Lineup of BC controllers

The BC controller lineup includes the J2 type (main BC controller), the JA2 and KA2 types (main BC controller used with sub BC controller), and the KB2 type (sub BC controller).

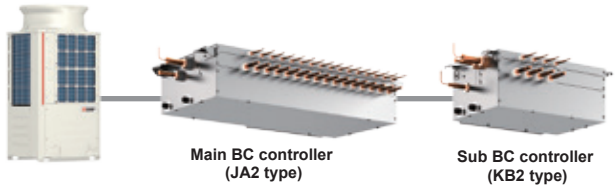
• System with a single BC controller



Main BC controller (J2 type)

Model	Number of branches	Connectable outdoor unit capacity
CMB-P104NU-J2	4	(E)P72 to (E)P120
CMB-P106NU-J2	6	
CMB-P108NU-J2	8	
CMB-P1012NU-J2	12	
CMB-P1016NU-J2	16	

• System with multiple BC controllers



Main BC controller (JA2 and KA2 types)

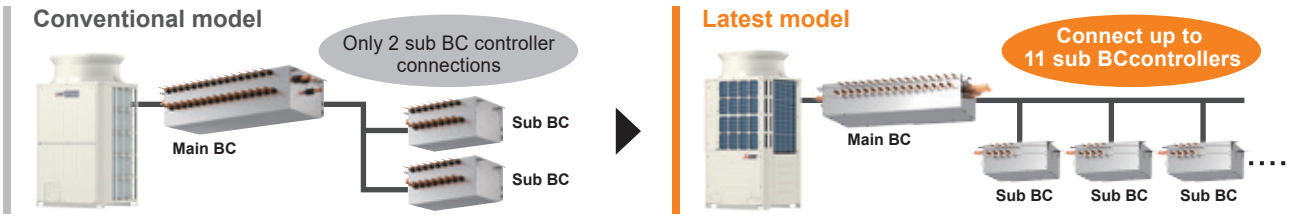
Model	Number of branches	Connectable outdoor unit capacity
CMB-P108NU-JA2	8	(E)P72 to (E)P336
CMB-P1012NU-JA2	12	
CMB-P1016NU-JA2	16	
CMB-P1016NU-KA2	16	(E)P72 to (E)P432

Sub BC controller (KB2 types)

Model	Number of branches	Connectable Main BC controller
CMB-P104NU-KB2	4	CMB-P108/1012/1016NU-JA2, CMB-P1016NU-KA2
CMB-P108NU-KB2	8	

Sub BC controller connections increased

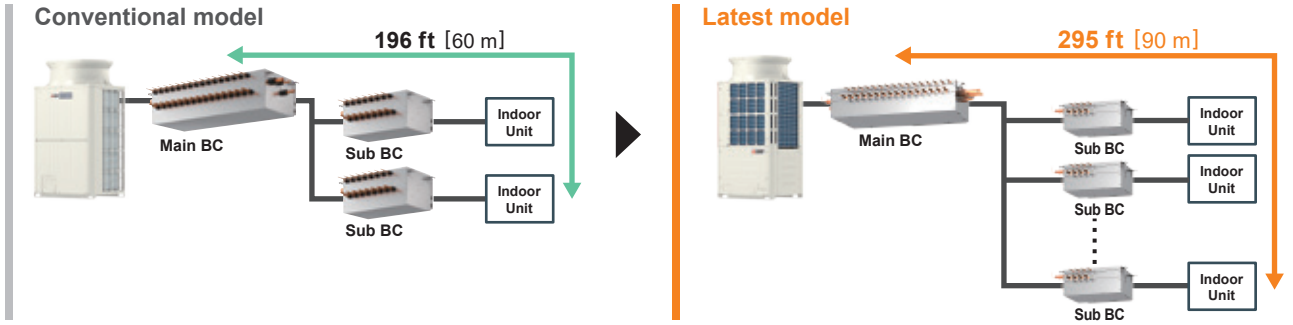
Only two sub BC controllers could be connected to a main BC controller in previous models. Up to 11 sub BC controllers can now be connected to the latest BC controller, allowing for more flexibility in system design.
The line-branching method enables the creation of system designs that use less refrigerant.



Greater flexibility in refrigerant piping design

The piping length from the main BC controller to indoor units has been increased from 196 ft [60 m] to 295 ft [90 m], providing greater flexibility in piping design.

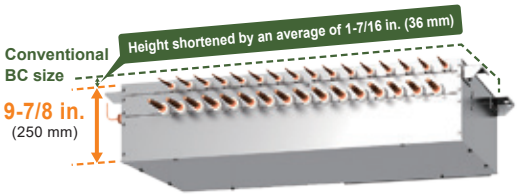
*Sub BC controllers should be used when piping length is 196 ft [60 m] or more.



Reduced height

With an average lower height of 1-7/16 in. (36 mm) compared to previous sub BC controllers, the latest design can be installed in ceilings with limited space.

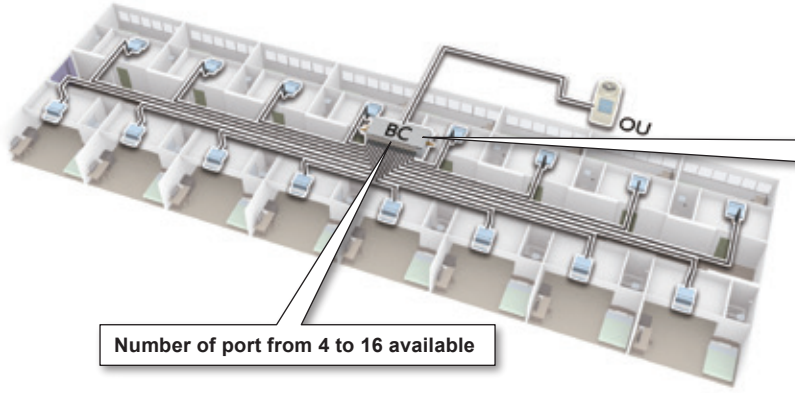
* Servicing space is required.



Refer to the DATA BOOK for the restrictions for using an old-type BC controller.

BC controller design can be selected from various patterns depending on use.

Pattern using multi-branch main BC controller



Up to P336 can be connected to one main BC controller.
Construction is easier as the number of piping connections and the suspension work can be reduced.

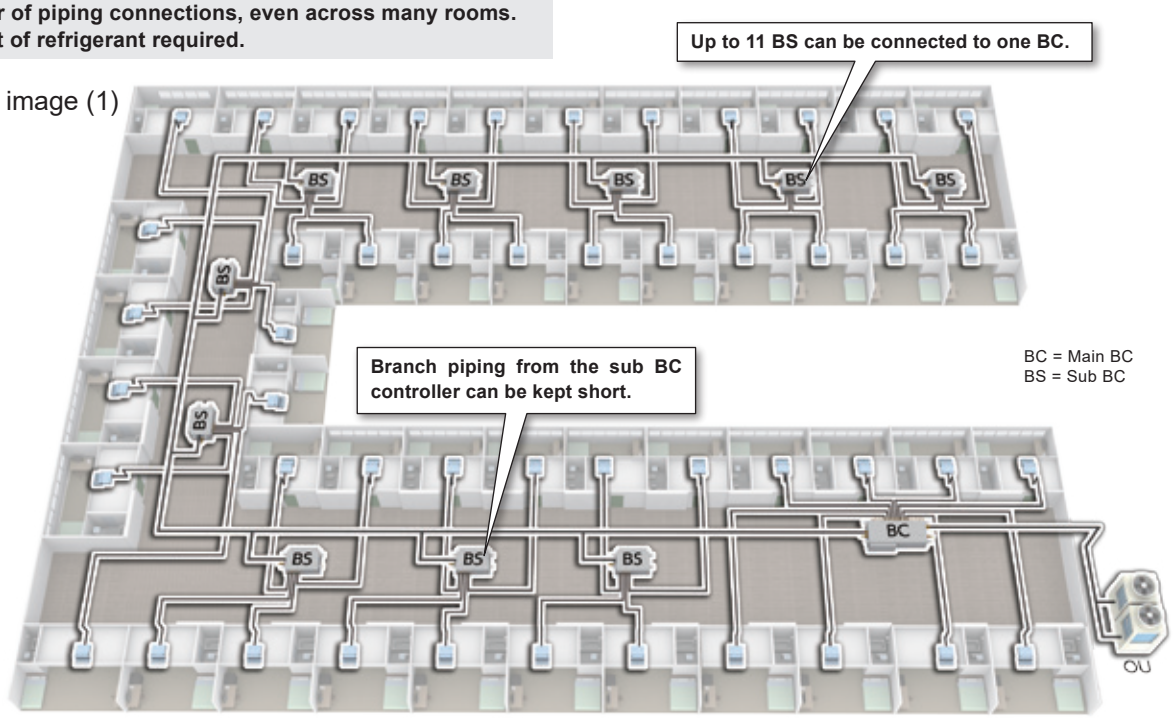
OU = Outdoor unit
BC = BC controller

The line-branching method with a main BC controller and sub BC controllers

The number of sub BC controllers that can be connected has been increased from 2 to 11, and sub BC controllers can be now installed closer to the indoor units, thus reducing both the total branch length compared to conventional models and the amount of refrigerant used.

- **Low number of piping connections, even across many rooms.**
- **Low amount of refrigerant required.**

• Installation image (1)

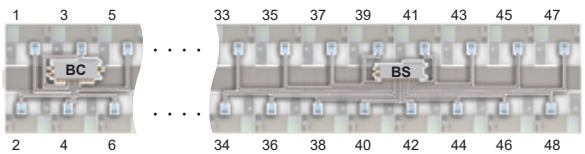


BC = Main BC
BS = Sub BC

*When you install sub BC controller, please refer to DATA BOOK for full detail.

Comparison of piping design for 48 rooms

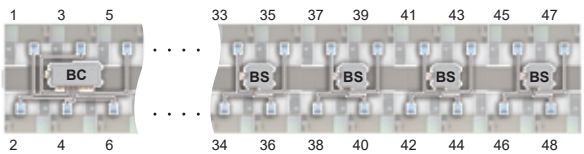
Conventional model



Branch piping from sub BC controller is long

*The 16 branch BC controller is an older model, and is not possible in this design. This design is not possible with the latest sub BC controller.

Latest model



The sub BC controller can be installed near the indoor units, so the branch piping can be greatly reduced. This also reduces the length of system piping, enabling using less refrigerant design.

Overall branch piping length reduced ➡ **Refrigerant amount reduced by 20%***

* Outdoor unit: P336
* Indoor units: P08 × 48 units

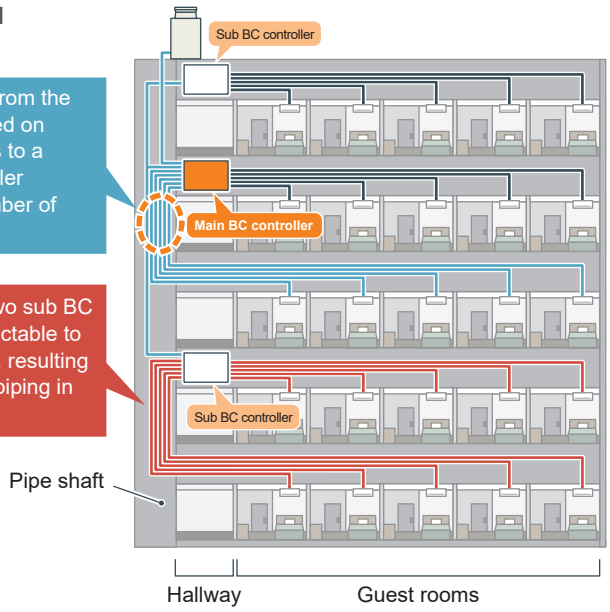
* BC controllers: Conventional HA1 + HB1 (16-branch) × 2 units
  Latest JA2 + KB2 (4-branch) × 10 units

• Installation image (2)

Conventional model

Connecting the pipes from the air conditioners installed on multiple levels of floors to a single main BC controller requires a greater number of pipes.

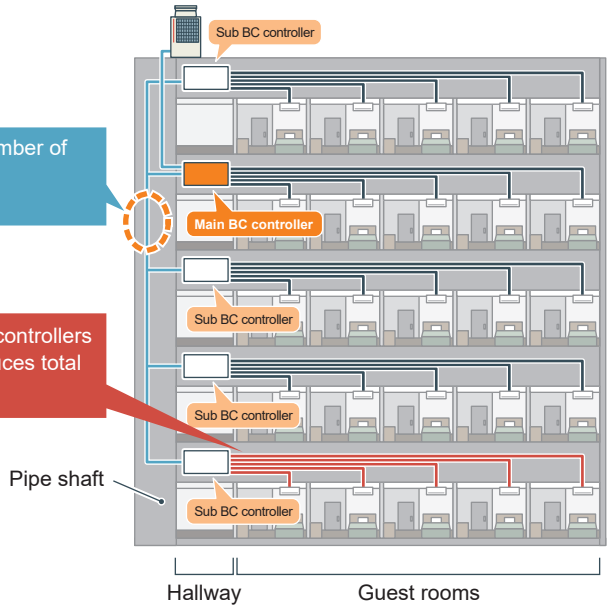
Originally, only up to two sub BC controllers were connectable to the main BC controller, resulting in the need for longer piping in certain applications.



Latest model

The need for fewer number of pipes requires smaller installation space.

Installation of sub BC controllers at each floor level reduces total piping length.

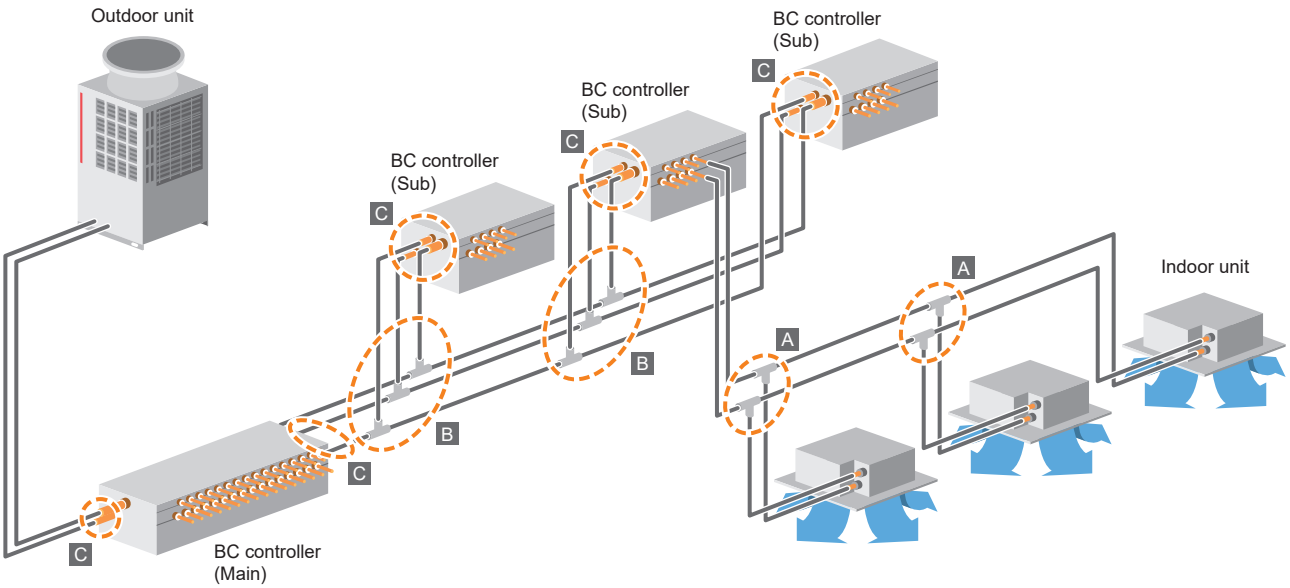


Refrigerant amount reduced by 20%*

* Outdoor unit: P192 (PURY-P)
* Indoor units: P06 × 25 units
* BC controllers: Conventional GA1 + HB1 (16-branch) × 2 units
Latest JA2 + KB2 (8-branch) × 4 units

Optional parts

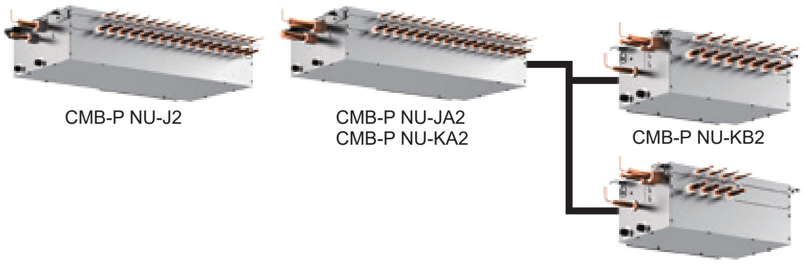
• For BC controllers



A	Branch pipe (Joint)	Between BC and indoor units	CMY-Y102SS-G2	Total down-stream indoor unit capacity: -P72
			CMY-Y102LS-G2	Total down-stream indoor unit capacity: P73-P96
B	Joint and Reducer	Between Main BC and Sub BC	CMY-R201S-G	Total down-stream indoor unit capacity: -P126
			CMY-R202S-G	Total down-stream indoor unit capacity: P127-P216
			CMY-R203S-G	Total down-stream indoor unit capacity: P217-P234
			CMY-R204S-G	Total down-stream indoor unit capacity: P235-P360
			CMY-R205S-G	Total down-stream indoor unit capacity: P361-
C	Reducer	Between outdoor units and BC	CMY-R301S-G	For J2 type (Outdoor unit capacity: P72-P120)
			CMY-R302S-G1	For JA2 type (Outdoor unit capacity: P72-P336)
			CMY-R304S-G1	For KA2 type (Outdoor unit capacity: P72-P432)
		Between Main BC and Sub BC	CMY-R303S-G1	For JA2 type (When using the Sub BC controller)
			CMY-R305S-G1	For KA2 type (When using the Sub BC controller)
			CMY-R306S-G	For KB2 type
Joint pipe kit			CMY-R160-J2	Joint for connecting two nozzles

♦Item “B” is not necessary when J2-type BC controller is used.

CMB-P NU-J2
CMB-P NU-JA2
CMB-P NU-KA2
CMB-P NU-KB2


CMB-P NU-J2
CMB-P NU-JA2
CMB-P NU-KA2
CMB-P NU-KB2
CMB-P NU-KB2

J2 type

CMB-P NU-J2

▸ Specifications

Model			CMB-P104NU-J2	CMB-P106NU-J2	CMB-P108NU-J2	CMB-P1012NU-J2	CMB-P1016NU-J2
Number of branch			4	6	8	12	16
Power source			1-phase 208-230 V				
			60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Power input (208/230)	Cooling	kW	0.061/0.078	0.091/0.118	0.122/0.157	0.182/0.235	0.243/0.314
	Heating	kW	0.030/0.039	0.046/0.059	0.061/0.078	0.091/0.118	0.122/0.157
Current input (208/230)	Cooling	A	0.30/0.35	0.44/0.52	0.59/0.69	0.88/1.03	1.17/1.37
	Heating	A	0.15/0.18	0.22/0.26	0.30/0.35	0.44/0.52	0.59/0.69
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)				
Connectable outdoor/heat source unit capacity			P72 to P120				
Indoor unit capacity connectable to 1 branch *11			Model P54 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds P55.)				
External dimension HxWxD		mm	250 x 596 x 398	250 x 596 x 398	250 x 596 x 398	250 x 911 x 545	250 x 1,135 x 545
		in.	9-7/8 x 23-1/2 x 15-11/16	9-7/8 x 23-1/2 x 15-11/16	9-7/8 x 23-1/2 x 15-11/16	9-7/8 x 35-7/8 x 21-1/2	9-7/8 x 44-11/16 x 21-1/2

Refrigerant piping diameter — To outdoor/heat source unit (each model CMB-P104NU-J2, CMB-P106NU-J2, CMB-P108NU-J2, CMB-P1012NU-J2, CMB-P1016NU-J2):

		CMB-P104NU-J2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P106NU-J2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P108NU-J2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P1012NU-J2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P1016NU-J2 Connectable unit capacity	High press. pipe	Low press. pipe
	mm(in.) O.D.	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed
	mm(in.) O.D.	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed
*12	mm(in.) O.D.	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed

Refrigerant piping diameter — To indoor unit:

	CMB-P104NU-J2 Liquid pipe	Gas pipe	CMB-P106NU-J2 Liquid pipe	Gas pipe	CMB-P108NU-J2 Liquid pipe	Gas pipe	CMB-P1012NU-J2 Liquid pipe	Gas pipe	CMB-P1016NU-J2 Liquid pipe	Gas pipe
mm(in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)

Model			CMB-P104NU-J2	CMB-P106NU-J2	CMB-P108NU-J2	CMB-P1012NU-J2	CMB-P1016NU-J2
Field drain pipe size		in.	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Net weight		kg (lbs)	25 (56)	28 (62)	32 (71)	48 (106)	58 (128)
Sound power level (measured in anechoic room)	Rated operation	dB <A>	59	59	59	59	59
	Defrost	dB <A>	71	71	71	71	71
Accessories			Square Washer	Square Washer	Square Washer	Square Washer	Square Washer

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
   (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
   The sound power level at the rated operation is the value of the cooling mode.
5. The sound power level values were obtained in an anechoic room. Actual sound power level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The solenoid valve switching sound is 74 dB (sound power level) regardless of the unit model.
7. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
8. This unit is not designed for outside installations.
9. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
10. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
11. For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

JA2 type

CMB-P NU-JA2

▸ Specifications

Model			CMB-P108NU-JA2	CMB-P1012NU-JA2	CMB-P1016NU-JA2
Number of branch			8	12	16
Power source			1-phase 208-230 V		
			60 Hz	60 Hz	60 Hz
Power input (208/230)	Cooling	kW	0.137/0.176	0.198/0.255	0.258/0.333
	Heating	kW	0.076/0.098	0.106/0.137	0.137/0.176
Current input (208/230)	Cooling	A	0.66/0.77	0.95/1.11	1.25/1.45
	Heating	A	0.37/0.43	0.52/0.60	0.66/0.77
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)		
Connectable outdoor/heat source unit capacity			P72 to P336		
Indoor unit capacity connectable to 1 branch *11			Model P54 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds P55.)		
External dimension HxWxD		mm	250 x 911 x 545	250 x 1,135 x 545	250 x 1,135 x 545
		in.	9-7/8 x 35-7/8 x 21-1/2	9-7/8 x 44-11/16 x 21-1/2	9-7/8 x 44-11/16 x 21-1/2

Refrigerant piping diameter — To outdoor/heat source unit

	Unit	CMB-P108NU-JA2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P1012NU-JA2 Connectable unit capacity	High press. pipe	Low press. pipe	CMB-P1016NU-JA2 Connectable unit capacity	High press. pipe	Low press. pipe
	mm(in.) O.D.	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed
	mm(in.) O.D.	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed
*12	mm(in.) O.D.	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed
	mm(in.) O.D.	P144 to P192	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	P144 to P192	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	P144 to P192	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
*12	mm(in.) O.D.	P216	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	P216	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	P216	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
*12	mm(in.) O.D.	P240	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	P240	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	P240	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed
	mm(in.) O.D.	P264 to P288	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	P264 to P288	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	P264 to P288	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed
*12	mm(in.) O.D.	P312	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed or 41.28 (1-5/8) Brazed	P312	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed or 41.28 (1-5/8) Brazed	P312	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed or 41.28 (1-5/8) Brazed
	mm(in.) O.D.	P336	28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed	P336	28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed	P336	28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed

Refrigerant piping diameter — To indoor unit

Unit	CMB-P108NU-JA2 Liquid pipe	Gas pipe	CMB-P1012NU-JA2 Liquid pipe	Gas pipe	CMB-P1016NU-JA2 Liquid pipe	Gas pipe
mm(in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed	Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)

Refrigerant piping diameter — To other BC controller

Unit	CMB-P108NU-JA2 Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe	CMB-P1012NU-JA2 Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe	CMB-P1016NU-JA2 Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe
mm(in.) O.D.	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed
mm(in.) O.D.	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed
mm(in.) O.D.	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
mm(in.) O.D.	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
mm(in.) O.D.	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
mm(in.) O.D.	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
mm(in.) O.D.	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed
mm(in.) O.D.	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed

Model			CMB-P108NU-JA2	CMB-P1012NU-JA2	CMB-P1016NU-JA2
Field drain pipe size		in.	3/4 NPT	3/4 NPT	3/4 NPT
Net weight		kg (lbs)	48 (106)	60 (133)	66 (146)
Sound power level (measured in anechoic room)	Rated operation	dB <A>	69	69	69
	Defrost	dB <A>	74	74	74
Accessories			Square Washer	Square Washer	Square Washer

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
   (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
   The sound power level at the rated operation is the value of the cooling mode.
5. The sound power level values were obtained in an anechoic room. Actual sound power level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The solenoid valve switching sound is 74 dB (sound power level) regardless of the unit model.
7. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
8. This unit is not designed for outside installations.
9. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
10. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
11. For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

KA2 type

CMB-P NU-KA2

► Specifications

Model			CMB-P1016NU-KA2			
Number of branch			16			
Power source			1-phase 208-230 V			
			60 Hz			
Power input (208/230)	Cooling	kW	0.258/0.333			
	Heating	kW	0.137/0.176			
Current input (208/230)	Cooling	A	1.25/1.45			
	Heating	A	0.66/0.77			
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)			
Connectable outdoor/heat source unit capacity			P72 to P432			
Indoor unit capacity connectable to 1 branch *11			Model P54 or smaller (Use optional joint pipe combining 2 branches when the total unit capacity exceeds P55.)			
External dimension HxWxD		mm	250 x 1,135 x 545			
		in.	9-7/8 x 44-11/16 x 21-1/2			
Refrigerant piping diameter	To outdoor/heat source unit		Connectable unit capacity	High press. pipe	Low press. pipe	
		mm(in.) O.D.	P72	15.88 (5/8) Brazed	19.05 (3/4) Brazed	
		mm(in.) O.D.	P96	19.05 (3/4) Brazed	22.2 (7/8) Brazed	
	*12	mm(in.) O.D.	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	
		mm(in.) O.D.	P144 to P192	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	
	*12	mm(in.) O.D.	P216	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
	*12	mm(in.) O.D.	P240	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
		mm(in.) O.D.	P264 to P288	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
	*12	mm(in.) O.D.	P312	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed or 41.28 (1-5/8) Brazed	
		mm(in.) O.D.	P336 to P384	28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed	
		mm(in.) O.D.	P432	28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed	
	To indoor unit		Liquid pipe		Gas pipe	
		mm(in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed		Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)	
	To other BC controller		Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe
		mm(in.) O.D.	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed
		mm(in.) O.D.	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed
		mm(in.) O.D.	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed
		mm(in.) O.D.	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed
Field drain pipe size		in.	3/4 NPT			
Net weight		kg (lbs)	69 (153)			
Sound power level (measured in anechoic room)	Rated operation	dB <A>	66			
	Defrost	dB <A>	73			
Accessories			Square Washer			

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
   (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
   The sound power level at the rated operation is the value of the cooling mode.
5. The sound power level values were obtained in an anechoic room. Actual sound power level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The solenoid valve switching sound is 74 dB (sound power level) regardless of the unit model.
7. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
8. This unit is not designed for outside installations.
9. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
10. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
11. For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

KB2 type

CMB-P NU-KB2

► Specifications

Model			CMB-P104NU-KB2			
Number of branch			4			
Power source			1-phase 208-230 V			
			60 Hz			
Power input (208/230)	Cooling	kW	0.061/0.078			
	Heating	kW	0.030/0.039			
Current input (208/230)	Cooling	A	0.30/0.35			
	Heating	A	0.15/0.18			
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)			
Connectable Main BC controller			CMB-P108/1012/1016NU-JA2, CMB-P1016NU-KA2			
The maximum number of connectable Sub BC controllers			11			
The maximum connectable capacity of indoor units			P126 for each			
External dimension HxWxD		mm	250 x 596 x 398			
		in.	9-7/8 x 23-1/2 x 15-11/16			
Refrigerant piping diameter	To outdoor/heat source unit		Connectable unit capacity	High press. pipe	Low press. pipe	
		mm(in.) O.D.	-	-	-	
	To indoor unit		Liquid pipe		Gas pipe	
		mm(in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed		Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4) with optional joint pipe used.)	
	To other BC controller		Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe
		mm(in.) O.D.	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed
		mm(in.) O.D.	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed
		mm(in.) O.D.	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed
		mm(in.) O.D.	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed
Field drain pipe size		in.	3/4 NPT			
Net weight		kg (lbs)	22 (49)			
Sound power level (measured in anechoic room)	Rated operation	dB <A>	59			
	Defrost	dB <A>	71			
Accessories			Square Washer			

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
   (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
   The sound power level at the rated operation is the value of the cooling mode.
5. The sound power level values were obtained in an anechoic room. Actual sound power level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The solenoid valve switching sound is 74 dB (sound power level) regardless of the unit model.
7. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
8. This unit is not designed for outside installations.
9. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
10. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
11. Can't use singleness. (MAIN BC CONTROLLER is necessary)

KB2 type

CMB-P NU-KB2

► Specifications

Model			CMB-P108NU-KB2			
Number of branch			8			
Power source			1-phase 208-230 V			
			60 Hz			
Power input (208/230)	Cooling	kW	0.122/0.157			
	Heating	kW	0.061/0.078			
Current input (208/230)	Cooling	A	0.59/0.69			
	Heating	A	0.30/0.35			
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)			
Connectable Main BC controller			CMB-P108/1012/1016NU-JA2, CMB-P1016NU-KA2			
The maximum number of connectable Sub BC controllers			11			
The maximum connectable capacity of indoor units			P126 for each			
External dimension HxWxD		mm	250 x 596 x 398			
		in.	9-7/8 x 23-1/2 x 15-11/16			
Refrigerant piping diameter	To outdoor/heat source unit		Connectable unit capacity	High press. pipe	Low press. pipe	
		mm(in.) O.D.	-	-	-	
	To indoor unit		Liquid pipe		Gas pipe	
		mm(in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed		Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4) with optional joint pipe used.)	
	To other BC controller		Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe
		mm(in.) O.D.	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed
		mm(in.) O.D.	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed
		mm(in.) O.D.	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed
		mm(in.) O.D.	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed
		mm(in.) O.D.	P289 or above	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed
Field drain pipe size		in.	3/4 NPT			
Net weight		kg (lbs)	29 (64)			
Sound power level (measured in anechoic room)	Rated operation	dB <A>	59			
	Defrost	dB <A>	71			
Accessories			Square Washer			

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
   (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
   The sound power level at the rated operation is the value of the cooling mode.
5. The sound power level values were obtained in an anechoic room. Actual sound power level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The solenoid valve switching sound is 74 dB (sound power level) regardless of the unit model.
7. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
8. This unit is not designed for outside installations.
9. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
10. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
11. Can't use singleness. (MAIN BC CONTROLLER is necessary)