



CITY-MULTI®
NEXT GENERATION UNITS

H2i (Hyper Heating Inverter) Type



PUHY HP T/YNU-A
PURY HP T/YNU-A

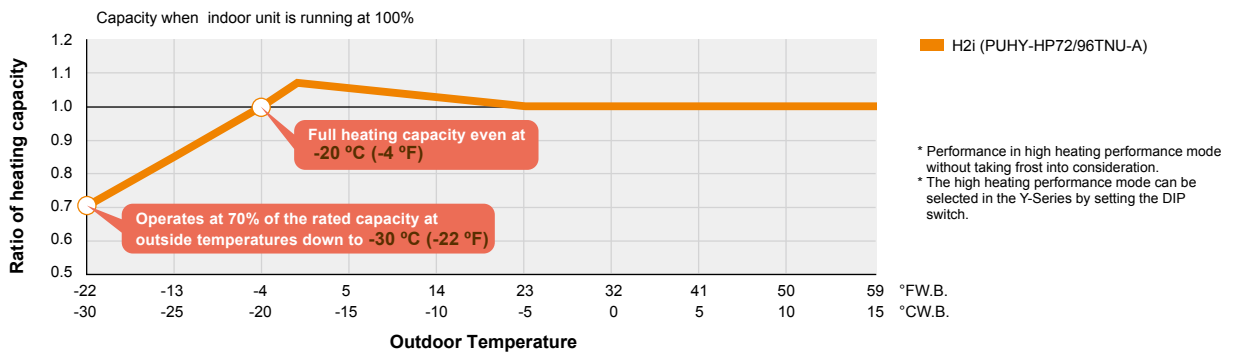
This type can operate at outside temperatures down to -32°C [-22°F] and is available in a wide lineup.

High heating performance

The H2i-type has large-capacity compressors with an injection function in the suction chamber and capable of performing heating operation at outside temperatures down to -30°C [-22°F]. 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 -20°C [-4°F]*.

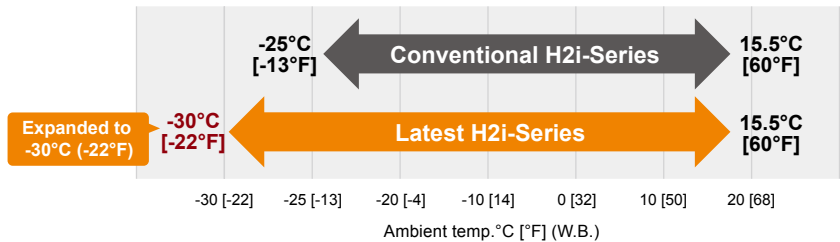
* The HP120 model operates at full heating capacity at temperatures down to -15°C [5°F].

Heating capacity (high heating performance mode)



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

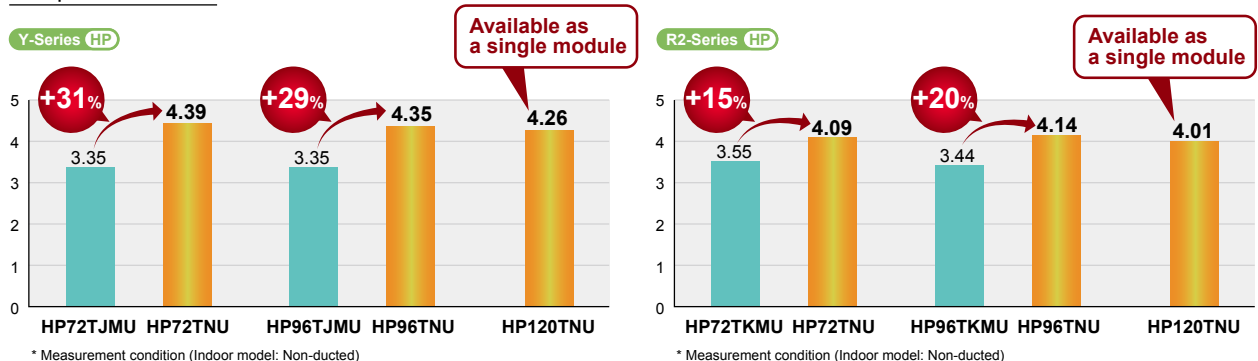
Heating operation is guaranteed at temperatures down to -30°C (-22°F), helping to create comfortable spaces in cold mornings and evenings, and even in harsh climates.



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



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.



* These images show the R2-Series.

Wide line-up

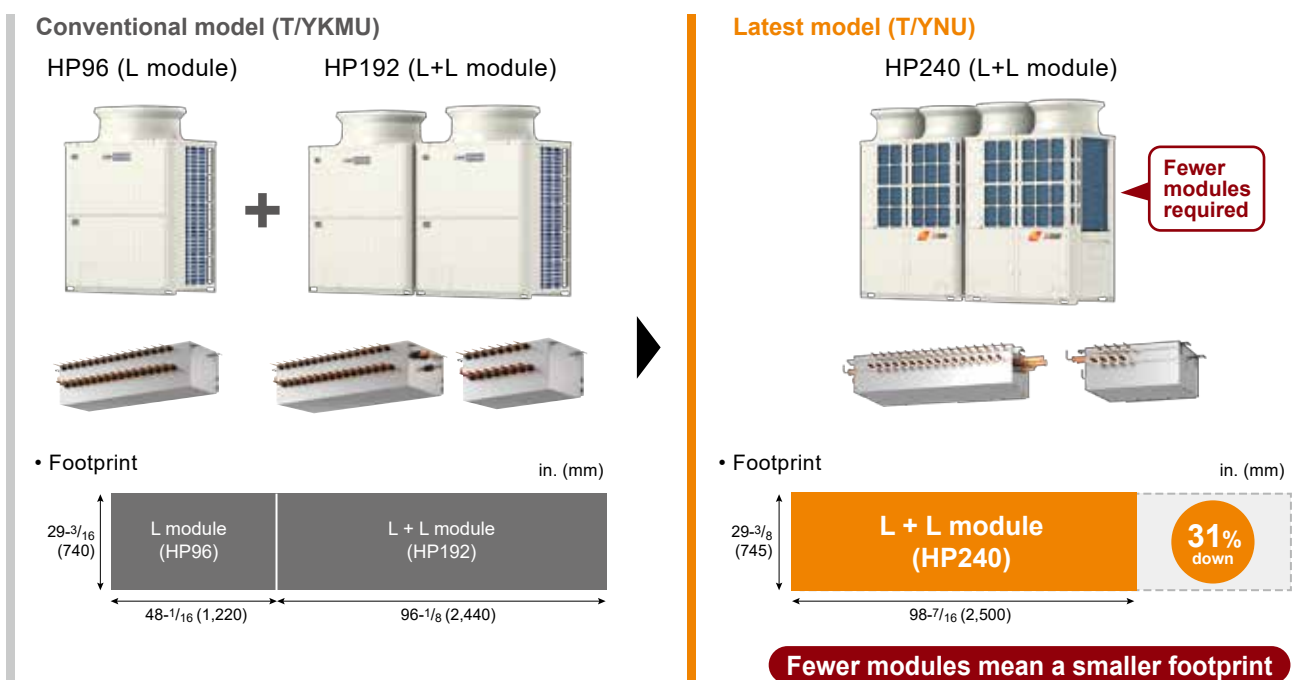
Single modules are available up to HP120 for both the Y and the R2-Series. The combination modules are available in a lineup of to HP240. These units require smaller installation space and provide greater flexibility in the selection of models.

		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-A	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



High efficiency & standard type



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

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

Comparison of high efficiency modules



Expanded lineup

Newly available 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	XL	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

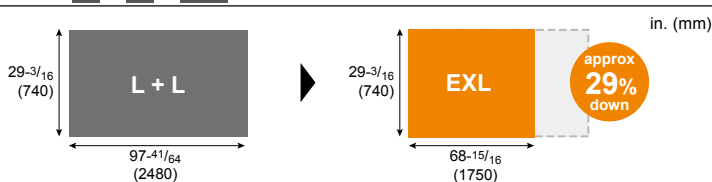
	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240	EP264	EP288	EP312	EP336	EP360	EP384	EP408	EP432
T/YLMU	—	—	—	S+S	S+L	S+XL	L+XL	XL+XL	S+S+XL	S+L+XL	S+XL+XL	L+XL+XL	XL+XL+XL	—	—	—
T/YNU	—	—	—	—	—	L+L	L+L	L+L	S+L+L	S+L+L	S+L+L	L+L+L	L+L+L	L+L+L	L+L+L	L+L+L

R2-Series EP Combination

	EP72	EP96	EP120	EP144	EP168	EP192	EP216	EP240	EP264	EP288	EP312	EP336	EP360	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	EXL+EXL

Foot print

EP216 **L + L** → **EXL**

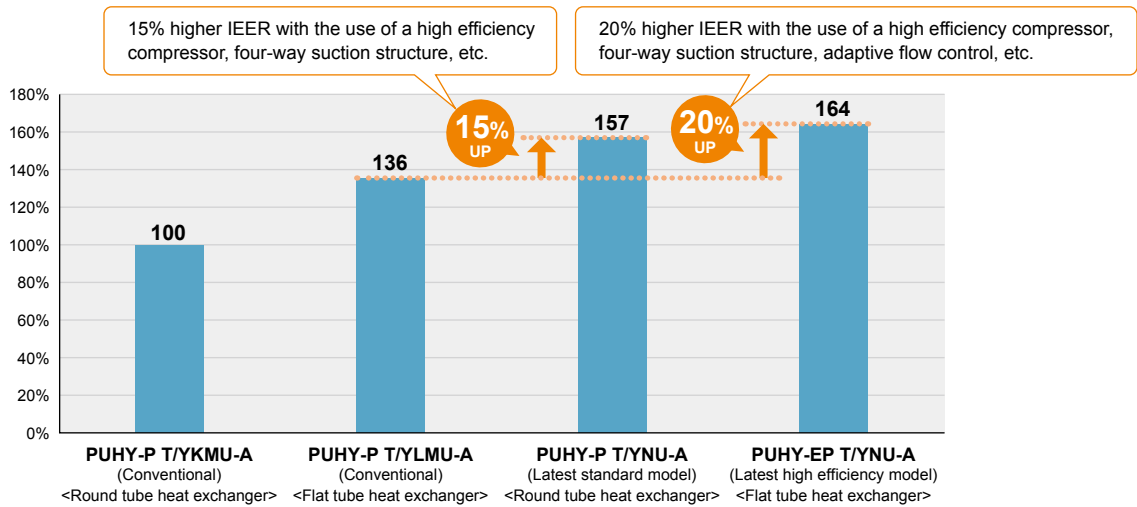


Energy Saving

The latest model realizes the industry's top-class energy saving performance. The 8 ton (P96) model of the Y-Series, the best selling model in the VRF lineup, delivers 15% greater seasonal efficiency compared to the conventional T/YLMU model. As a result, the unit consumes less power in both cooling and heating modes throughout the year.

• Y-Series

Comparison of seasonal efficiency (IEER) in 8 ton (P96) models



* This graph shows the rate of increase when the IEER of PUHY-P T/YKMU-A models is 100.

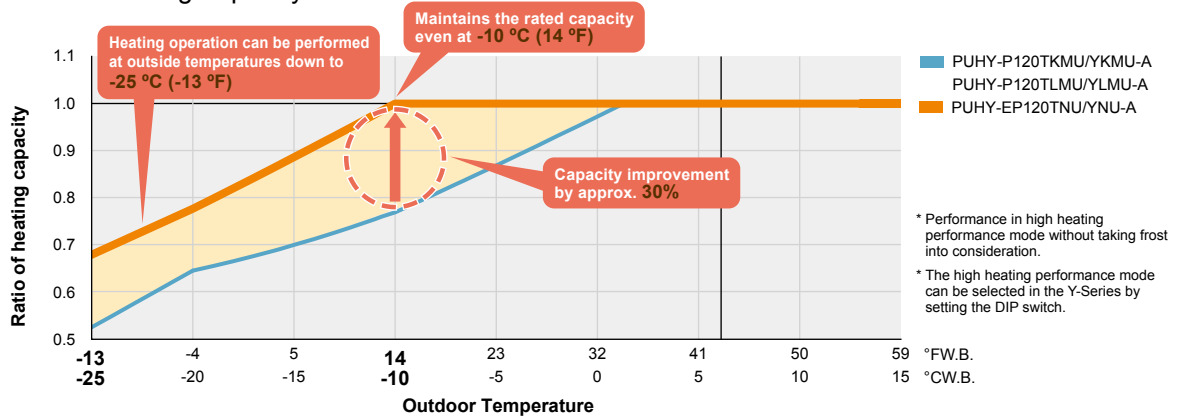
Heating capability

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 -25°C [-13°F], this model achieves the rated heating performance at temperatures down to -10°C [14°F].

* 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

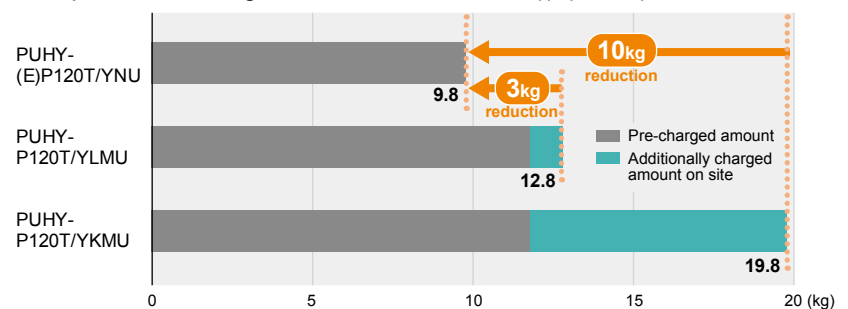
Y-Series (EP) Y-Series (P)

The four-way suction structure and new 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

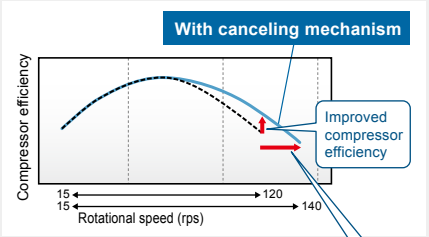
Compressor with centrifugal force canceling mechanism

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

Centrifugal force canceling mechanism

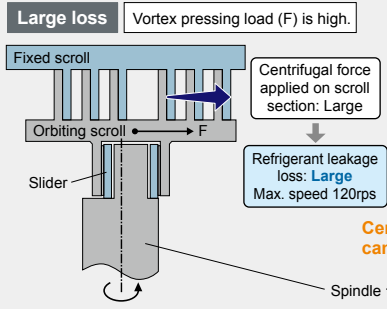
- Y-Series HP
- Y-Series EP
- Y-Series P
- R2-Series HP
- R2-Series EP
- R2-Series P

With the new compressor, a new 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 new mechanism also speeds up the start of operation, and enables operations such as preheat defrost operation and the smooth auto-shift startup mode.



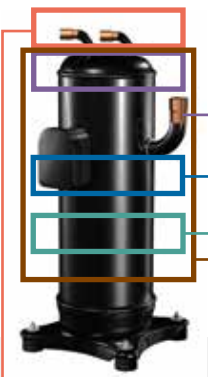
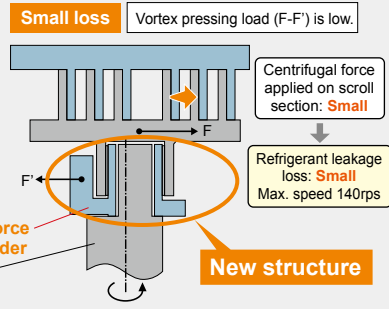
Max. speed 120rps → 140rps contribute to speedy compressor start up

Conventional mechanism



F: Centrifugal force applied on scroll section F': Centrifugal force applied on cancelling slider

Centrifugal force canceling mechanism

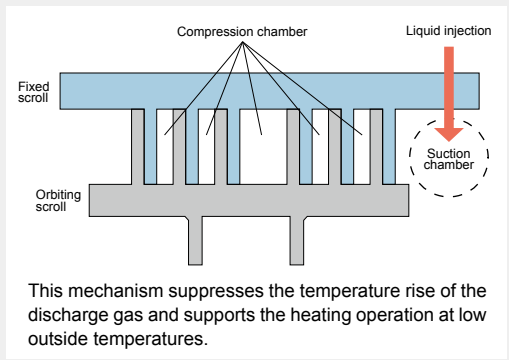


Powerful compressor with suction chamber injection mechanism

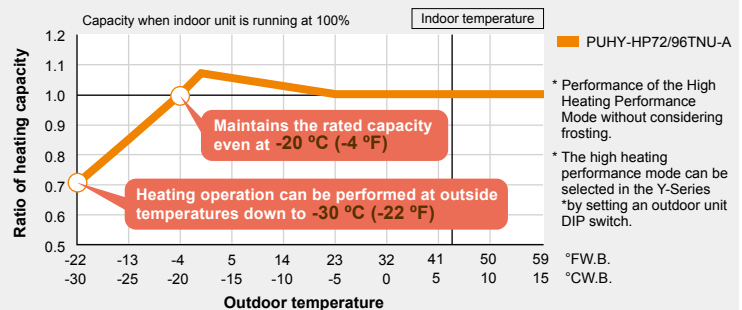
- Y-Series HP
- Y-Series EP
- R2-Series HP
- R2-Series EP

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 -30°C (-22°F), and heating performance at low outside temperatures has been improved so that the rated capacity can be achieved even at an outside temperature of -20°C (-4°F) (HP72/96 models).

• Injection mechanism



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



Change in refrigerant oil in the compressor

- Y-Series HP
- R2-Series HP

When conventional H2i-Series systems are operated at low temperatures below the guaranteed range, the refrigerant oil may become clouded and its circulation may decrease. The new 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 -30°C (-22°F).

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 new compressor is equipped 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 of the scroll, then discharged with constant pressure. This means that the refrigerant tends to be compressed to higher than necessary pressure during low loads.

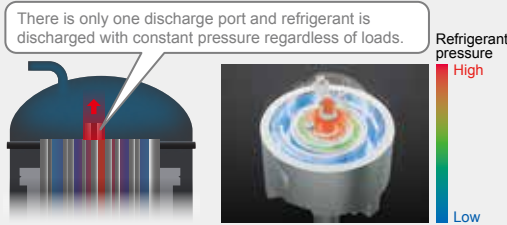
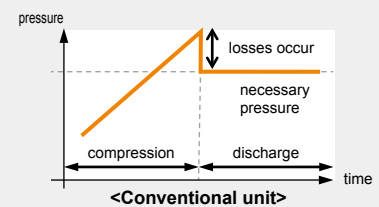


Image of refrigerant pressure (medium loads)

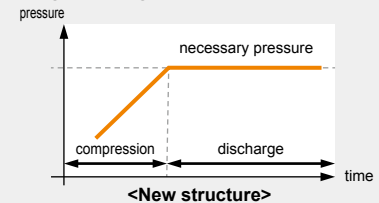


New structure

The new compressor 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.

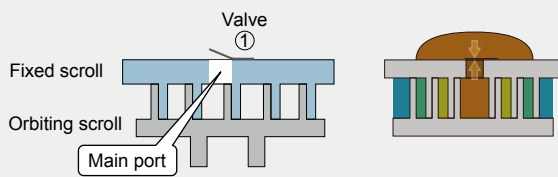


Image of refrigerant pressure



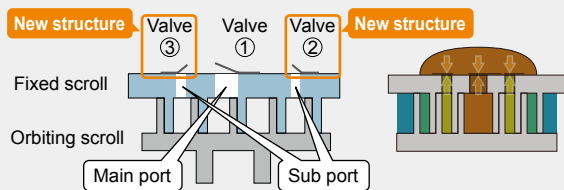
The new structure multi-port compressor, equipped with two sub-ports which open and close according to loads, discharges refrigerant from the sub-port during the partial load operation.

Conventional structure



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

New structure • Multi-port



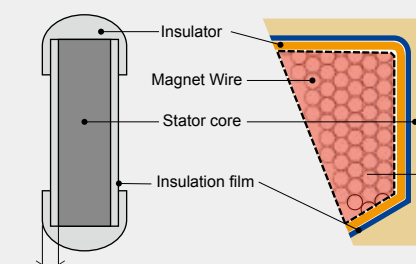
		Operation pattern	
		Partial load	Rating, high pressure difference
Main port	Valve ①	open	open
Sub port	Valve ②	open	close
	Valve ③	open	close

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.

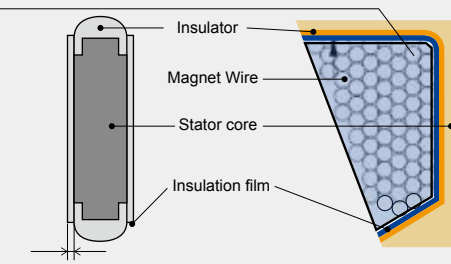
Conventional model (T/YLMU)



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

Increase in area available for winding

New 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)

Visualization of air flow of fan

New fan and four-way suction reduce disturbance of air flow

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

• Fan structure

Conventional model (T/YLMU)

Large disturbance

Air flow

Large disturbance

Latest model (T/YNU)

Small disturbance

Inner circumference

Outer circumference

Blade

Air flow

Small disturbance

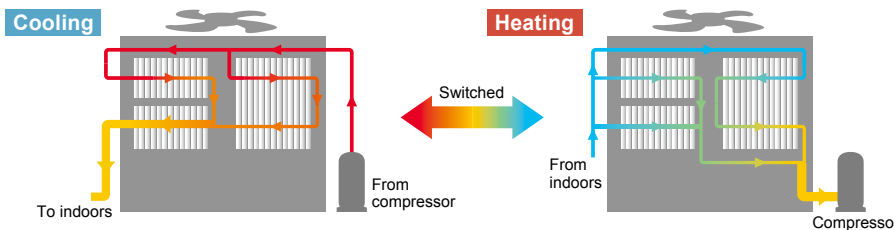
New concave-shaped blade of the propeller fan allows a change in the orientation (normal vector) of the blade surface from the outer circumference direction to the inner circumference direction as air flows from upstream to downstream. This enables air to flow along the outer circumference of the blade 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.

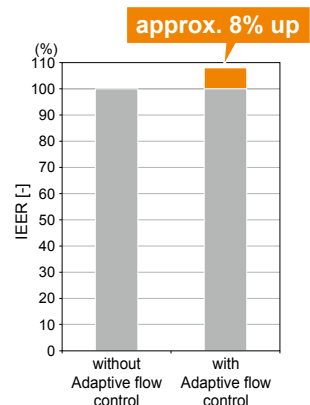
Adaptive flow control



- 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 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.

Comparison of EP120 (Y-Series) IEER (cooling) with and without variable path

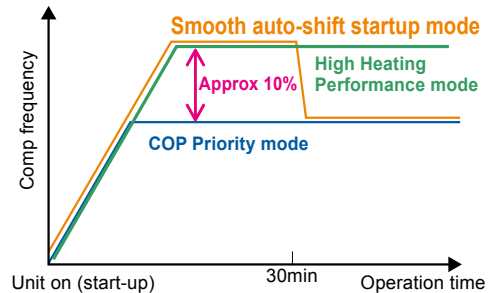


Key functions

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, a new 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

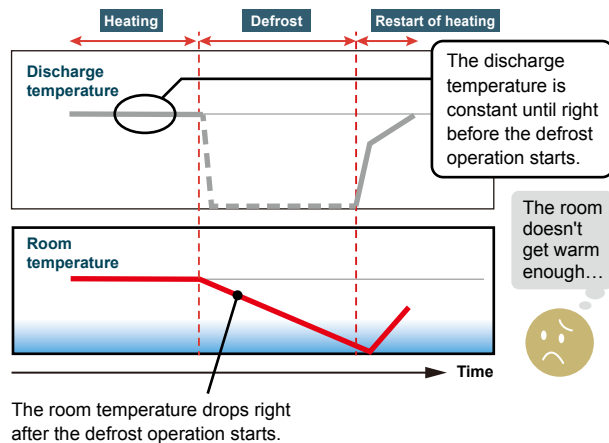
Y-Series HP Y-Series EP Y-Series P R2-Series HP R2-Series EP R2-Series P

The new 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.

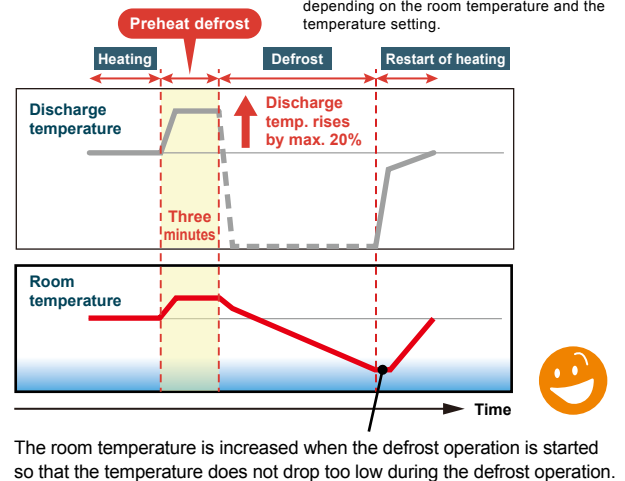
Preheat defrost ON/OFF

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

Without preheat defrost



With preheat defrost



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 new 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

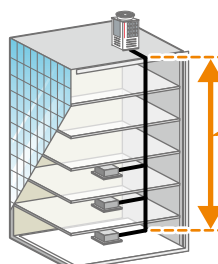
*2 USB memory devices conforming to USB2.0 can be used.

Usable in an application with a large vertical separation of up to 295 feet (90 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 295 ft (90 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.



Height difference from outdoor unit to indoor unit:
The system can be configured with a height difference of up to **295 ft (90 m) with no extra-cost options.**

* 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.

Y-Series

Heating or Cooling Heat pump

- Optional parts
- Specifications

460V
208-230V

H2i	PUHY-HP T(Y)NU-A(-BS)
High efficiency	PUHY-EP T(Y)NU-A(-BS)
Standard	PUHY-P T(Y)NU-A(-BS)



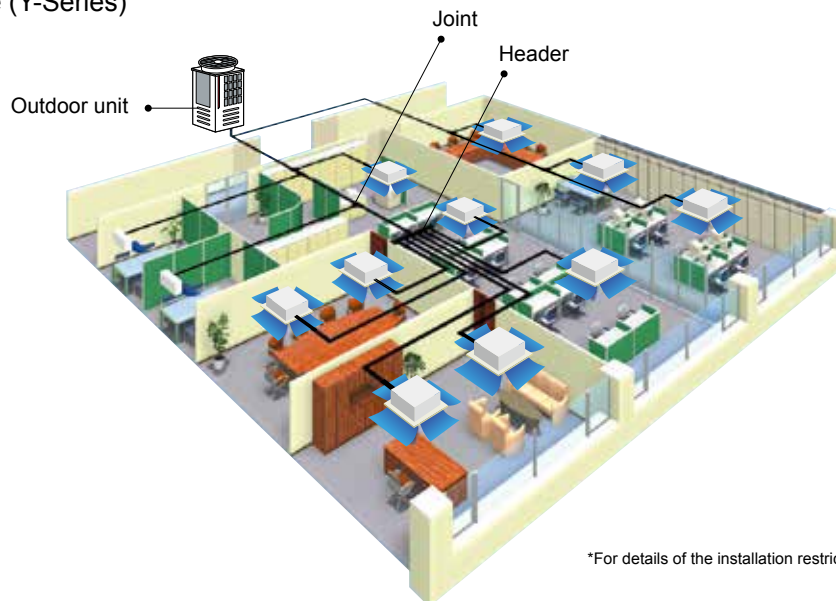
*This image shows the standard type.

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 heating to cooling, 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.

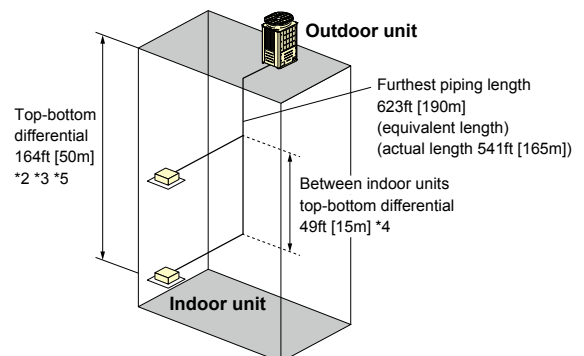
- System Pipe Lengths [HP72-HP240 T(S)NU/Y(S)NU]
[(E)P72-(E)P432 T(S)NU/Y(S)NU]
[P72-P360 Z(S)KMU]

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 295ft [90m] 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-A, PUHY-HP144T/YSNU-A
	CMY-Y300CBK2	For PUHY-(E)P264-(E)P432T/YSNU-A, PUHY-HP192-HP240T/YSNU-A
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	
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
	CMY-Y202S-G2	145-240 (Total capacity of indoor unit)	The 1st branch of P168-P240ZSKMU
	CMY-Y302S-G2	241 or above (Total capacity of indoor unit)	The 1st branch of P264-P360ZSKMU
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-A



► Specifications

Outdoor Model		PUHY-HP72TNU-A		PUHY-HP96TNU-A		PUHY-HP120TNU-A		
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			
	(208-230)	Power input	kW		6.23		8.53	
		Current input	A		16.6-15.0		19.2-17.3	
	(Rated)	BTU / h	69,000		92,000		114,000	
		kW	20.2		27.0		33.4	
	(208-230)	Power input	kW		4.90		5.07	
		Current input	A		15.1-13.6		15.6-14.1	
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	80,000	108,000	135,000			
		kW	23.4	31.7	39.6			
	(208-230)	Power input	kW		5.33		7.33	
		Current input	A		16.4-14.8		22.6-20.4	
	(Rated)	BTU / h	76,000		103,000		129,000	
		kW	22.3		30.2		37.8	
	(208-230)	Power input	kW		4.83		5.04	
		Current input	A		14.8-13.4		15.5-14.0	
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	50~130% 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 pressure level (measured in anechoic room)	*3	dB <A>		55.0/57.0		56.0/58.5		
Sound power level (measured in anechoic room)	*3	dB <A>		74.0/76.0		75.0/77.5		
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	38-35		43-40		47-43		
Maximum Overcurrent Protection	A	60-50		70-60		70-60		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,700		7,400		7,750	
		m ³ / min	190		210		220	
		L / s	3,170		3,500		3,670	
	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 x 1		4.5 x 1		6.5 x 1	
	Case heater	kW	-		-		-	
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 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		
	mm	1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		
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 21 lbs + 10 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 joint: CMY-Y102SS/102LS-G2		Salt-resistant cross fin & copper tube joint: CMY-Y102SS/102LS-G2		Salt-resistant cross fin & copper tube joint: CMY-Y102SS/102LS-G2, CMY-Y202S-G2		
Optional parts		Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Heating and Cooling 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-A



► Specifications

Outdoor Model		PUHY-HP144TSNU-A		PUHY-HP192TSNU-A		PUHY-HP240TSNU-A		
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			
	(208-230)	Power input	kW	12.20	13.79	19.37		
		Current input	A	37.6-34.0	42.5-38.4	59.7-54.0		
	(Rated)	BTU / h	138,000	184,000	228,000			
		kW	40.4	53.9	66.8			
(208-230)	Power input	kW	10.98	11.61	12.58	12.94	17.78	18.08
	Current input	A	33.8-30.6	35.8-32.3	38.7-35.0	39.9-36.0	54.8-49.5	55.7-50.4
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	160,000	215,000	270,000			
		kW	46.9	63.0	79.1			
	(208-230)	Power input	kW	11.70	15.91	21.38		
		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			
(208-230)	Power input	kW	10.50	11.15	14.39	15.06	19.48	20.10
	Current input	A	32.3-29.2	34.3-31.0	44.3-40.1	46.4-42.0	60.0-54.3	61.9-56.0
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 pressure level (measured in anechoic room)	*3	dB <A>	58.5/60.5		59.5/62.0		63.0/65.0	
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-A	PUHY-HP72TNU-A	PUHY-HP96TNU-A	PUHY-HP96TNU-A	PUHY-HP120TNU-A	PUHY-HP120TNU-A	
Minimum Circuit Ampacity	A	38-35	38-35	43-40	43-40	47-43	47-43	
Maximum Overcurrent Protection	A	60-50	60-50	70-60	70-60	70-60	70-60	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,700	6,700	7,400	7,400	7,750	7,750
		m ³ / min	190	190	210	210	220	220
		L / s	3,170	3,170	3,500	3,500	3,670	3,670
	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
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		
	Motor output	kW	3.8 x 1	3.8 x 1	4.5 x 1	4.5 x 1	6.5 x 1	6.5 x 1
	Case heater	kW	-	-	-	-	-	-
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 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	
	mm	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	
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		
Refrigerant	Type x original charge	R410A x 21 lbs + 10 oz (9.8 kg)	R410A x 21 lbs + 10 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	
	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	
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 Heating and Cooling 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 YNU-A



► Specifications

Outdoor Model		PUHY-HP72YNU-A		PUHY-HP96YNU-A		PUHY-HP120YNU-A		
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	
	(460)	Power input	kW	5.39		6.23		8.53
		Current input	A	7.5		8.6		11.8
	(Rated)	BTU / h		69,000		92,000		114,000
		kW		20.2		27.0		33.4
(460)	Power input	kW	4.90	5.07	5.71	5.82	7.67	8.11
	Current input	A	6.8	7.0	7.9	8.1	10.6	11.3
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	80,000		108,000		135,000	
		kW	23.4		31.7		39.6	
	(460)	Power input	kW	5.33		7.33		9.63
		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
(460)	Power input	kW	4.83	5.04	6.65	6.92	8.55	9.28
	Current input	A	6.7	7.0	9.2	9.6	11.9	12.9
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 pressure level (measured in anechoic room)	*3	dB <A>		55.0/57.0		56.0/58.5		
Sound power level (measured in anechoic room)	*3	dB <A>		74.0/76.0		75.0/77.5		
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	17		20		21		
Maximum Overcurrent Protection	A	25		30		35		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,700		7,400		7,750	
		m ³ / min	190		210		220	
		L / s	3,170		3,500		3,670	
	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 x 1		4.5 x 1		6.5 x 1	
	Case heater	kW	-		-		-	
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 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		
	mm	1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		
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 21 lbs + 10 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 Heating and Cooling 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-A



► Specifications

Outdoor Model		PUHY-HP144YSNU-A		PUHY-HP192YSNU-A		PUHY-HP240YSNU-A		
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	240,000			
		kW	42.2	56.3	70.3			
	(460)	Power input	kW	12.20	13.79	19.37		
		Current input	A	17.0	19.2	27.0		
	(Rated)	BTU / h	138,000	184,000	228,000			
		kW	40.4	53.9	66.8			
(460)	Power input	kW	10.98	11.61	12.58	12.94	17.78	18.08
	Current input	A	15.3	16.1	17.5	18.0	24.7	25.2
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	160,000	215,000	270,000			
		kW	46.9	63.0	79.1			
	(460)	Power input	kW	11.70	15.91	21.38		
		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			
(460)	Power input	kW	10.50	11.15	14.39	15.06	19.48	20.10
	Current input	A	14.6	15.5	20.0	21.0	27.1	28.0
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 pressure level (measured in anechoic room)	*3	dB <A> 58.5/60.5		59.5/62.0		63.0/65.0		
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-HP72YNU-A	PUHY-HP72YNU-A	PUHY-HP96YNU-A	PUHY-HP96YNU-A	PUHY-HP120YNU-A	PUHY-HP120YNU-A	
Minimum Circuit Ampacity	A	17	17	20	20	21	21	
Maximum Overcurrent Protection	A	25	25	30	30	35	35	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,700	6,700	7,400	7,400	7,750	7,750
		m ³ / min	190	190	210	210	220	220
		L / s	3,170	3,170	3,500	3,500	3,670	3,670
	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		
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 x 1		4.5 x 1		6.5 x 1		
	Case heater	kW -		-		-		
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 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	
	mm	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	
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		
Refrigerant	Type x original charge	R410A x 21 lbs + 10 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)	644 (292)	688 (312)	688 (312)	691 (313)	691 (313)	
Heat exchanger	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		1/2 (12.7) Brazed		
	Gas pipe	in. (mm) 7/8 (22.2) Brazed		7/8 (22.2) 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							

Notes:

*1,*2 Heating and Cooling 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 High efficiency (208-230V)

PUHY-EP TNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP72TNU-A (-BS)		PUHY-EP96TNU-A (-BS)		PUHY-EP120TNU-A (-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	4.58		6.12		8.19	
		Current input	A	14.1-12.7		18.8-17.0		25.2-22.8	
	(Rated)	BTU / h		69,000		92,000		114,000	
		kW		20.2		27.0		33.4	
	(208-230)	Power input	kW	4.09	4.39	5.63	5.70	7.57	7.58
		Current input	A	12.6-11.4	13.5-12.2	17.3-15.7	17.5-15.8	23.3-21.1	23.3-21.1
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	5.21		7.26		9.63	
		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	
	(208-230)	Power input	kW	4.63	5.01	6.59	6.85	8.66	9.17
		Current input	A	14.2-12.9	15.4-13.9	20.3-18.3	21.1-19.1	26.7-24.1	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.	-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 pressure level (measured in anechoic room)	*3	dB <A>	55.0/57.0		56.0/58.5		59.5/61.5		
Sound power level (measured in anechoic room)	*3	dB <A>	74.0/76.0		75.0/77.5		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	23-21		31-29		40-37			
Maximum Overcurrent Protection	A	35-30		45-40		60-50			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	6,000		6,700		7,750		
		m ³ / min	170		190		220		
		L / s	2,830		3,170		3,670		
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor			
*4	Motor output	0.92		0.46+0.46		0.46+0.46			
Compressor	External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)			
	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	3.6 x 1		5.4 x 1		7.4 x 1			
Case heater	kW		-		-				
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-current protection		Over-current 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 Header: CMY-Y104/108/1010C-G				

Notes:

*1,*2 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-EP144TNU-A (-BS)		PUHY-EP168TNU-A (-BS)		PUHY-EP192TNU-A (-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	144,000	168,000	192,000			
	*1	kW	42.2	49.2	56.3			
	(208-230)	Power input	kW	10.63	13.53	16.66		
		Current input	A	32.7-29.6	41.7-37.7	51.3-46.4		
	(Rated)		BTU / h	137,000	161,000	183,000		
			kW	40.2	47.2	53.6		
(208-230)	Power input	kW	9.80	9.88	12.54	12.50	15.18	
	Current input	A	30.2-27.3	30.4-27.5	38.6-34.9	38.5-34.8	46.8-42.3	
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	188,000	215,000			
	*2	kW	46.9	55.1	63.0			
	(208-230)	Power input	kW	11.84	13.95	16.38		
		Current input	A	36.5-33.0	43.0-38.9	50.5-45.6		
	(Rated)		BTU / h	152,000	179,000	205,000		
			kW	44.5	52.5	60.1		
(208-230)	Power input	kW	10.74	11.18	12.36	13.47	14.43	
	Current input	A	33.1-29.9	34.4-31.1	38.1-34.4	41.5-37.5	44.5-40.2	
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~P96/1~36		P04~P96/1~42		P04~P96/1~48		
Sound pressure level (measured in anechoic room)	*3	dB <A>	62.0/64.5		60.0/61.5		61.5/63.5	
Sound power level (measured in anechoic room)	*3	dB <A>	82.5/83.5		78.5/80.5		80.0/82.5	
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	
Minimum Circuit Ampacity	A	47-44		56-51		68-62		
Maximum Overcurrent Protection	A	70-70		90-80		110-100		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	9,200		10,600		12,700	
		m ³ / min	260		300		360	
		L / s	4,330		5,000		6,000	
	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		0.92+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)			
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	9.3 x 1		11.2 x 1		13.5 x 1	
	Case heater	kW	-		-		-	
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 68-15/16 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		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 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		
Net weight	lbs (kg)	680 (308)		757 (343)		757 (343)		
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-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-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 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-EP216TNU-A (-BS)		PUHY-EP240TNU-A (-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	216,000		240,000	
		*1	kW	63.3		70.3
	(208-230)	Power input	kW	18.33		21.35
		Current input	A	56.5-51.1		65.8-59.5
	(Rated)	BTU / h	206,000		222,000	
		kW	60.4		65.1	
	(208-230)	Power input	kW	16.83	17.12	20.34
		Current input	A	51.9-46.9	52.8-47.7	62.7-56.7
	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	243,000		250,000	
		*2	kW	71.2		73.3
	(208-230)	Power input	kW	20.00		21.44
		Current input	A	61.6-55.7		66.1-59.7
	(Rated)	BTU / h	232,000		240,000	
		kW	68.0		70.3	
	(208-230)	Power input	kW	17.79	19.24	19.57
		Current input	A	54.8-49.6	59.3-53.6	60.3-54.5
	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 pressure level (measured in anechoic room)	*3, 4	dB <A>	66.5/67.5		67.5/68.0	
Sound power level (measured in anechoic room)	*3	dB <A>	85.5/86.5		86.5/87.0	
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		1-3/8 (34.92) Brazed	
Minimum Circuit Ampacity	A	71-65		79-73		
Maximum Overcurrent Protection	A	110-110		125-110		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	14,100		14,100	
		m ³ / min	400		400	
		L / s	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	
*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	15.5 x 1		16.7 x 1	
	Case heater	kW	-		-	
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 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		
Net weight	lbs (kg)	874 (396)		874 (396)		
Heat exchanger	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			

Notes:

*1, *2 Heating and Cooling 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 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-A(-BS)



► Specifications

Outdoor Model		PUHY-EP192TSNU-A (-BS)		PUHY-EP216TSNU-A (-BS)		PUHY-EP240TSNU-A (-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	192,000		216,000		240,000			
		kW	56.3		63.3		70.3			
	(208-230)	Power input	13.57		15.70		18.60			
		Current input	41.8-37.8		48.4-43.7		57.3-51.8			
	(Rated)	BTU / h	184,000		206,000		228,000			
		kW	53.9		60.4		66.8			
(208-230)	Power input	12.40	12.72	14.44	14.62	17.64	16.79			
	Current input	38.2-34.5	39.2-35.4	44.5-40.2	45.0-40.7	54.4-49.2	51.7-46.8			
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. 23~126°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			
		kW	63.3		71.2		79.1			
	(208-230)	Power input	15.74		18.18		21.39			
		Current input	48.5-43.9		56.0-50.7		65.9-59.6			
	(Rated)	BTU / h	206,000		232,000		258,000			
		kW	60.4		68.0		75.6			
(208-230)	Power input	14.24	14.89	16.39	17.26	19.75	19.86			
	Current input	43.9-39.7	45.9-41.5	50.5-45.7	53.2-48.1	60.9-55.0	61.2-55.3			
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	50~130% 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 pressure level (measured in anechoic room)	*3	dB <A> 59.5/62.0		61.5/63.5		63.0/65.0				
Sound power level (measured in anechoic room)	*3	dB <A> 78.5/81.0		81.0/82.5		83.0/84.0				
Refrigerant	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-EP96TNU-A (-BS)		PUHY-EP96TNU-A (-BS)		PUHY-EP120TNU-A (-BS)		PUHY-EP120TNU-A (-BS)		
Minimum Circuit Ampacity	A	31-29		31-29		40-37		40-37		
Maximum Overcurrent Protection	A	45-40		45-40		60-50		60-50		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,700		6,700		7,750		7,750	
		m ³ / min	190		190		220		220	
		L / s	3,170		3,170		3,670		3,670	
	Control, Driving mechanism	Inverter-control, Brushless DC motor								
	Motor output	kW	0.46+0.46		0.46+0.46		0.46+0.46		0.46+0.46	
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	5.4 x 1		7.4 x 1		5.4 x 1		7.4 x 1	
	Case heater	kW	-		-		-		-	
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		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)								
	Inverter circuit (COMP./FAN)	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)		
Net weight	lbs (kg)	622 (282)		622 (282)		633 (287)		622 (282)		
Heat exchanger	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		1/2 (12.7) Brazed		3/8 (9.52) Brazed		
	Gas pipe	in. (mm) 7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed		7/8 (22.2) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G									

Notes:

*1, *2 Heating and Cooling 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 TSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP264TSNU-A (-BS)				PUHY-EP288TSNU-A (-BS)										
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted								
Power source		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										
(208-230)	Power input	kW		19.61		21.79										
		Current input		A		60.4-54.6		67.2-60.7								
(Rated)	BTU / h	253,000		275,000		275,000										
		kW		74.2		80.6										
(208-230)	Power input	kW		18.26		18.04		20.19								
		Current input		A		56.3-50.9		55.6-50.3								
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										
(208-230)	Power input	kW		22.13		24.54										
		Current input		A		68.2-61.7		75.6-68.4								
(Rated)	BTU / h	282,000		308,000		308,000										
		kW		82.6		90.3										
(208-230)	Power input	kW		20.41		20.57		22.48								
		Current input		A		62.9-56.9		63.4-57.3								
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~P96/2~50				P04~P96/2~50									
Sound pressure level (measured in anechoic room)	*3	dB <A>		60.5/63.0		62.5/64.5										
Sound power level (measured in anechoic room)	*3	dB <A>		79.5/82.0		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-EP96TNU-A (-BS)		PUHY-EP96TNU-A (-BS)		PUHY-EP72TNU-A (-BS)		PUHY-EP120TNU-A (-BS)		PUHY-EP96TNU-A (-BS)		PUHY-EP72TNU-A (-BS)				
Minimum Circuit Ampacity		A		31-29		31-29		23-21		40-37		31-29				
Maximum Overcurrent Protection		A		45-40		45-40		35-30		60-50		45-40				
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		Propeller fan x 1			
	Airflow rate	cfm		6,700		6,700		6,000		7,750		6,700		6,000		
		m ³ / min		190		190		170		220		190		170		
		L / s		3,170		3,170		2,830		3,670		3,170		2,830		
Control, Driving mechanism		Inverter-control, Brushless DC motor														
Compressor	Motor output		kW		0.46+0.46		0.46+0.46		0.92		0.46+0.46		0.92			
	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)			
	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 x 1		5.4 x 1		3.6 x 1		7.4 x 1		5.4 x 1				
Case heater		kW		-		-		-		-		-				
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		71-5/8 x 48-7/8		71-5/8 x 36-1/4		71-5/8 x 48-7/8		71-5/8 x 48-7/8		71-5/8 x 36-1/4		
		mm		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		1,818 x 920 x 740		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)													
	Inverter circuit (COMP./FAN)		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 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)			
	Net weight		lbs (kg)		622 (282)		622 (282)		512 (232)		633 (287)		622 (282)		512 (232)	
Heat exchanger		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		3/8 (9.52) Brazed		3/8 (9.52) 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		7/8 (22.2) Brazed		7/8 (22.2) 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 Heating and Cooling 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 TSNU-A(-BS)



► Specifications

Outdoor Model	PUHY-EP312TSNU-A (-BS)				PUHY-EP336TSNU-A (-BS)					
	Non-Ducted		Ducted		Non-Ducted		Ducted			
Indoor Model										
Power source	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				
	(208-230)	Power input	24.33		26.34					
		Current input	A		75.0-67.8		81.2-73.4			
	(Rated)	BTU / h	297,000		320,000					
		kW	87.0		93.8					
	(208-230)	Power input	22.86		22.18		25.23		23.54	
		Current input	A		70.5-63.7		68.4-61.8		77.8-70.3	
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	350,000		378,000					
		*2	kW	102.6		110.8				
	(208-230)	Power input	27.37		30.01					
		Current input	A		84.4-76.3		92.5-83.7			
	(Rated)	BTU / h	334,000		361,000					
		kW	97.9		105.8					
	(208-230)	Power input	25.25		25.42		28.07		27.49	
		Current input	A		77.8-70.4		78.3-70.8		86.5-78.2	
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 pressure level (measured in anechoic room)	*3	dB <A>	63.5/65.5				63.5/65.5			
Sound power level (measured in anechoic room)	*3	dB <A>	83.5/84.5				83.5/84.5			
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				1-5/8 (41.28) Brazed			

Set Model

Model	PUHY-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP72TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP96TNU-A (-BS)			
Minimum Circuit Ampacity	A	40-37	40-37	23-21	40-37	40-37	31-29		
Maximum Overcurrent Protection	A	60-50	60-50	35-30	60-50	60-50	45-40		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	7,750	7,750	6,000	7,750	7,750	6,700	
		m ³ / min	220	220	170	220	220	190	
		L / s	3,670	3,670	2,830	3,670	3,670	3,170	
	Control, Driving mechanism	Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
	*4 Motor output	kW		0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46	0.46+0.46
External static press.	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		7.4 x 1	7.4 x 1	3.6 x 1	7.4 x 1	7.4 x 1	5.4 x 1
	Case heater	kW		-	-	-	-	-	-
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 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		
	mm	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	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-current protection				Over-current protection			
Refrigerant	Fan motor	-				-			
	Type x original charge	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)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight	lbs (kg)	633 (287)	633 (287)	512 (232)	633 (287)	633 (287)	622 (282)		
Heat exchanger	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	3/8 (9.52) Brazed	1/2 (12.7) Brazed	1/2 (12.7) Brazed	3/8 (9.52) Brazed	
	Gas pipe	in. (mm)	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	7/8 (22.2) 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 Heating and Cooling 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 TSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP360TSNU-A (-BS)				PUHY-EP384TSNU-A (-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				
		kW	105.5		112.5				
	(208-230)	Power input	28.67		31.41				
		Current input	88.4-79.9		96.8-87.6				
	(Rated)	BTU / h	342,000		365,000				
		kW	100.2		107.0				
	(208-230)	Power input	27.46	25.63		30.05	28.10		
		Current input	84.6-76.5	79.0-71.4		92.6-83.8	86.6-78.3		
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	405,000		430,000				
		kW	118.7		126.0				
	(208-230)	Power input	32.65		35.13				
		Current input	100.6-91.0		108.3-97.9				
	(Rated)	BTU / h	387,000		410,000				
		kW	113.4		120.2				
	(208-230)	Power input	30.35	30.11		32.87	32.17		
		Current input	93.6-84.6	92.8-83.9		101.3-91.6	99.2-89.7		
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~P96/2~50				P04~P96/2~50			
Sound pressure level (measured in anechoic room)	*3	dB <A>		64.5/66.5		65.5/68.0			
Sound power level (measured in anechoic room)	*3	dB <A>		84.5/85.5		86.0/87.0			
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-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	
Minimum Circuit Ampacity	A	40-37	40-37	40-37	49-45	40-37	40-37	
Maximum Overcurrent Protection	A	60-50	60-50	60-50	80-70	60-50	60-50	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2		
	Airflow rate	cfm	7,750	7,750	7,750	9,200	7,750	7,750
		m ³ / min	220	220	220	260	220	220
		L / s	3,670	3,670	3,670	4,330	3,670	3,670
	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)		
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	7.4 x 1	7.4 x 1	7.4 x 1	9.3 x 1	7.4 x 1	7.4 x 1
	Case heater	kW	-	-	-	-	-	-
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-current protection				Over-current protection		
Refrigerant	Fan motor	-				-		
	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 23 lbs + 12 oz (10.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight	lbs (kg)	633 (287)	633 (287)	633 (287)	680 (308)	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)	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	
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 Heating and Cooling 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 TSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP408TSNU-A (-BS)				PUHY-EP432TSNU-A (-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				
	(208-230)	Power input	34.31		37.39					
		Current input	105.8-95.6		115.3-104.2					
	(Rated)	BTU / h	388,000		411,000					
		kW	113.7		120.5					
	(208-230)	Power input	33.11		30.42		36.06		33.17	
		Current input	102.1-92.3		93.8-84.8		111.2-100.5		102.3-92.5	
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	455,000		480,000					
		*2	kW	133.4		140.7				
	(208-230)	Power input	37.71		40.45					
		Current input	116.3-105.1		124.7-112.8					
	(Rated)	BTU / h	433,000		456,000					
		kW	126.9		133.6					
	(208-230)	Power input	35.55		34.28		38.35		36.55	
		Current input	109.6-99.1		105.7-95.6		118.2-106.9		112.7-101.9	
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				Total capacity				
		Model / Quantity				Model / Quantity				
		50~130% of outdoor unit capacity				50~130% of outdoor unit capacity				
		P04~P96/3~50				P04~P96/3~50				
Sound pressure level (measured in anechoic room)	*3	dB <A>		66.5/68.5		67.0/69.5				
Sound power level (measured in anechoic room)	*3	dB <A>		86.5/87.5		87.5/88.5				
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-EP144TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	PUHY-EP120TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	
Minimum Circuit Ampacity	A	49-45	49-45	40-37	49-45	49-45	49-45	
Maximum Overcurrent Protection	A	80-70	80-70	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	
	Airflow rate	cfm	9,200		9,200	7,750		9,200
		m ³ / min	260		260	220		260
		L / s	4,330		4,330	3,670		4,330
	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	
*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		9.3 x 1		7.4 x 1	9.3 x 1	
	Case heater	kW		-		-	-	
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	
	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-current protection				Over-current protection		
Refrigerant	Fan motor	-		-	-		-	
	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
Net weight	lbs (kg)	680 (308)		680 (308)	633 (287)		680 (308)	
Heat exchanger	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		
	Gas pipe	in. (mm)		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y300CBK2				Outdoor Twinning kit: CMY-Y300CBK2			
	joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2				joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2			
Header: CMY-Y104/108/1010C-G				Header: CMY-Y104/108/1010C-G				

Notes:

*1,*2 Heating and Cooling 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 (460V) PUHY-EP YNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP72YNU-A (-BS)		PUHY-EP96YNU-A (-BS)		PUHY-EP120YNU-A (-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		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		
	(460)	Power input	4.58		6.12		8.19		
		Current input	6.3		8.5		11.4		
	(Rated)	BTU / h	69,000		92,000		114,000		
		kW	20.2		27.0		33.4		
(460)	Power input	4.09	4.39	5.63	5.70	7.57	7.58		
	Current input	5.7	6.1	7.8	7.9	10.5	10.5		
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		
	(460)	Power input	5.21		7.26		9.63		
		Current input	7.2		10.1		13.4		
	(Rated)	BTU / h	76,000		103,000		129,000		
		kW	22.3		30.2		37.8		
(460)	Power input	4.63	5.01	6.59	6.85	8.66	9.17		
	Current input	6.4	6.9	9.1	9.5	12.0	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.	-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 pressure level (measured in anechoic room)	*3	dB <A>	55.0/57.0		56.0/58.5		59.5/61.5		
Sound power level (measured in anechoic room)	*3	dB <A>	74.0/76.0		75.0/77.5		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	10		14		18			
Maximum Overcurrent Protection	A	15		20		25			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	6,000		6,700		7,750		
		m ³ / min	170		190		220		
		L / s	2,830		3,170		3,670		
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor			
	*4 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 x 1		5.4 x 1		7.4 x 1		
	Case heater	kW	-		-		-		
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-current protection		Over-current 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 Heating and Cooling 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 (460V)

PUHY-EP YNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP144YNU-A (-BS)		PUHY-EP168YNU-A (-BS)		PUHY-EP192YNU-A (-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		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		192,000			
		kW	42.2		49.2		56.3			
	(460)	Power input	10.63		13.53		16.66			
		Current input	14.8		18.8		23.2			
	(Rated)	BTU / h	137,000		161,000		183,000			
		kW	40.2		47.2		53.6			
(460)	Power input	9.80	9.88		12.54	12.50		15.18	15.67	
	Current input	13.6	13.7		17.4	17.4		21.1	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.	23~126°F (-5~52°C)		23~126°F (-5~52°C)		23~126°F (-5~52°C)			
Heating capacity (Nominal)	*2	BTU / h	160,000		188,000		215,000			
		kW	46.9		55.1		63.0			
	(460)	Power input	11.84		13.95		16.38			
		Current input	16.5		19.4		22.8			
	(Rated)	BTU / h	152,000		179,000		205,000			
		kW	44.5		52.5		60.1			
(460)	Power input	10.74	11.18		12.36	13.47		14.43	15.90	
	Current input	14.9	15.5		17.2	18.7		20.1	22.1	
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	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity				
	Model / Quantity	P04~P96/1~36		P04~P96/1~42		P04~P96/1~48				
Sound pressure level (measured in anechoic room)	*3	dB <A>	62.0/64.5		60.0/61.5		61.5/63.5			
Sound power level (measured in anechoic room)	*3	dB <A>	82.5/83.5		78.5/80.5		80.0/82.5			
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			
Minimum Circuit Ampacity	A	21		25		31				
Maximum Overcurrent Protection	A	35		40		40				
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2				
	Airflow rate	cfm	9,200		10,600		12,700			
		m ³ / min	260		300		360			
		L / s	4,330		5,000		6,000			
	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		0.92+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)					
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	9.3 x 1		11.2 x 1		13.5 x 1			
	Case heater	-		-		-				
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 68-15/16 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		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 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)				
Net weight	lbs (kg)	715 (324)		788 (357)		788 (357)				
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-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102LS-G2, CMY-Y202S-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 Heating and Cooling 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 (460V)

PUHY-EP YNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP216YNU-A (-BS)				PUHY-EP240YNU-A (-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	216,000		240,000				
	*1	kW	63.3		70.3				
(460)	Power input	kW	18.33		21.35				
	Current input	A	25.5		29.7				
(Rated)		BTU / h	206,000		222,000				
		kW	60.4		65.1				
(460)	Power input	kW	16.83	17.12	20.34	19.20			
	Current input	A	23.4	23.8	28.3	26.7			
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)				
	Outdoor	D.B.	23~126°F (-5~52°C)		23~126°F (-5~52°C)				
Heating capacity (Nominal)	*2	BTU / h	243,000		250,000				
	*2	kW	71.2		73.3				
(460)	Power input	kW	20.00		21.44				
	Current input	A	27.8		29.8				
(Rated)		BTU / h	232,000		240,000				
		kW	68.0		70.3				
(460)	Power input	kW	17.79	19.24	19.57	20.14			
	Current input	A	24.8	26.8	27.2	28.0			
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 pressure level (measured in anechoic room)	*3, 4	dB <A>	66.5/67.5		67.5/68.0				
Sound power level (measured in anechoic room)	*3	dB <A>	85.5/86.5		86.5/87.0				
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		1-3/8 (34.93) Brazed				
Minimum Circuit Ampacity	A	32		36					
Maximum Overcurrent Protection	A	50		60					
FAN	Type x Quantity	Propeller fan x 2				Propeller fan x 2			
	Airflow rate	cfm	14,100		14,100				
		m ³ / min	400		400				
		L / s	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					
*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	15.5 x 1		16.7 x 1				
	Case heater	kW	-		-				
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 26 lbs + 1 oz (11.8 kg)				R410A x 26 lbs + 1 oz (11.8 kg)			
Net weight	lbs (kg)	904 (410)		904 (410)					
Heat exchanger	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				

Notes:

*1, *2 Heating and Cooling 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 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-A(-BS)



► Specifications

Outdoor Model			PUHY-EP192YSNU-A (-BS)		PUHY-EP216YSNU-A (-BS)		PUHY-EP240YSNU-A (-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)			192,000		216,000		240,000							
*1 BTU / h														
*1 kW			56.3		63.3		70.3							
(460) 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		228,000							
kW			53.9		60.4		66.8							
(460) Power input kW			12.40		12.72		14.44		14.62					
(460) Current input A			17.2		17.7		20.1		20.3					
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)			216,000		243,000		270,000							
*2 BTU / h														
*2 kW			63.3		71.2		79.1							
(460) 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							
(460) Power input kW			14.24		14.89		16.39		17.26					
(460) Current input A			19.8		20.7		22.8		24.0					
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 pressure level (measured in anechoic room)			*3 dB <A> 59.5/62.0		61.5/63.5		63.0/65.0							
Sound power level (measured in anechoic room)			*3 dB <A> 78.5/81.0		81.0/82.5		83.0/84.0							
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		1-1/8 (28.58) Brazed							
Set Model														
Model			PUHY-EP96YNU-A (-BS)		PUHY-EP96YNU-A (-BS)		PUHY-EP120YNU-A (-BS)		PUHY-EP96YNU-A (-BS)		PUHY-EP120YNU-A (-BS)		PUHY-EP120YNU-A (-BS)	
Minimum Circuit Ampacity			A 14		14		18		14		18		18	
Maximum Overcurrent Protection			A 20		20		25		20		25		25	
FAN			Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
Airflow rate			cfm		6,700		6,700		7,750		6,700		7,750	
m ³ / min			190		190		220		190		220		220	
L / s			3,170		3,170		3,670		3,170		3,670		3,670	
Control, Driving mechanism			Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
*4 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	
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	
Starting method			Inverter		Inverter		Inverter		Inverter		Inverter		Inverter	
Motor output			kW 5.4 x 1		5.4 x 1		7.4 x 1		5.4 x 1		7.4 x 1		7.4 x 1	
Case heater			kW -		-		-		-		-		-	
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	
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)		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		Over-current 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)	
Net weight			lbs (kg)		657 (298)		668 (303)		657 (298)		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		1/2 (12.7) 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		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-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G				Outdoor Twinning kit: 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 Heating and Cooling 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 (460V)

PUHY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP264YSNU-A (-BS)				PUHY-EP288YSNU-A (-BS)					
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted			
Power source		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)	Power input	kW	19.61				21.79			
		Current input	A	27.3				30.3			
	(Rated)	(460)	BTU / h	253,000				275,000			
			kW	74.2				80.6			
		Power input	kW	18.26		18.04		20.19		20.15	
		Current input	A	25.4		25.1		28.1		28.1	
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)				
	Outdoor	D.B.	23~126°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)	Power input	kW	22.13				24.54			
		Current input	A	30.8				34.2			
	(Rated)	(460)	BTU / h	282,000				308,000			
			kW	82.6				90.3			
		Power input	kW	20.41		20.57		22.48		22.95	
		Current input	A	28.4		28.6		31.3		32.0	
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 pressure level (measured in anechoic room)	*3	dB <A>	60.5/63.0				62.5/64.5				
Sound power level (measured in anechoic room)	*3	dB <A>	79.5/82.0				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		PUHY-EP96YNU-A (-BS)	PUHY-EP96YNU-A (-BS)	PUHY-EP72YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP96YNU-A (-BS)	PUHY-EP72YNU-A (-BS)	
Minimum Circuit Ampacity	A	14	14	10	18	14	10	
Maximum Overcurrent Protection	A	20	20	15	25	20	15	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 1	
	Airflow rate	cfm	6,700	6,700	6,000	7,750	6,700	6,000
		m ³ / min	190	190	170	220	190	170
		L / s	3,170	3,170	2,830	3,670	3,170	2,830
	Control, Driving mechanism	Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor		
	Motor output	kW	0.46+0.46	0.46+0.46	0.92	0.46+0.46	0.46+0.46	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
Starting method		Inverter		Inverter	Inverter	Inverter	Inverter	
Motor output		kW	5.4 x 1	5.4 x 1	3.6 x 1	7.4 x 1	5.4 x 1	3.6 x 1
Case heater		kW	-	-	-	-	-	-
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 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	
	mm	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	1,818 x 920 x 740	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-current protection				Over-current protection		
Refrigerant	Fan motor	-				-		
	Type x original charge	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)	R410A x 14 lbs + 5 oz (6.5 kg)	
Net weight	lbs (kg)	657 (298)	657 (298)	545 (247)	668 (303)	657 (298)	545 (247)	
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	1/2 (12.7) Brazed	3/8 (9.52) 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	7/8 (22.2) 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 Heating and Cooling 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 (460V)

PUHY-EP YSNU-A(-BS)



► Specifications

Outdoor Model	PUHY-EP312YSNU-A (-BS)				PUHY-EP336YSNU-A (-BS)				
	Non-Ducted		Ducted		Non-Ducted		Ducted		
Indoor Model									
Power source	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	
	(460)	Power input	kW		24.33		26.34		
		Current input	A		33.9		36.7		
	(Rated)	BTU / h	297,000				320,000		
		kW			87.0		93.8		
	(460)	Power input	kW		22.86	22.18		25.23	23.54
		Current input	A		31.8	30.9		35.1	32.8
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 (Nominal)	*2	BTU / h	350,000				378,000		
		*2	kW	102.6				110.8	
	(460)	Power input	kW		27.37		30.01		
		Current input	A		38.1		41.8		
	(Rated)	BTU / h	334,000				361,000		
		kW			97.9		105.8		
	(460)	Power input	kW		25.25	25.42		28.07	27.49
		Current input	A		35.2	35.4		39.1	38.3
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~P96/2~50				P04~P96/2~50		
Sound pressure level (measured in anechoic room)	*3	dB <A>		63.5/65.5				63.5/65.5	
Sound power level (measured in anechoic room)	*3	dB <A>		83.5/84.5				83.5/84.5	
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				1-5/8 (41.28) Brazed	

Set Model

Model	PUHY-EP120YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP72YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP96YNU-A (-BS)	
Minimum Circuit Ampacity	A	18	18	10	18	15	
Maximum Overcurrent Protection	A	25	25	15	25	20	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 1	Propeller fan x 2		
	Airflow rate	cfm	7,750	7,750	6,000	7,750	6,700
		m ³ / min	220	220	170	220	190
		L / s	3,670	3,670	2,830	3,670	3,170
	Control, Driving mechanism	Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor		
	Motor output	kW		0.46+0.46	0.92	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	
Starting method		Inverter		Inverter	Inverter		
Motor output		kW		7.4 x 1	3.6 x 1	7.4 x 1	
Case heater		kW		-	-	-	
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 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 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-current protection			Over-current protection		
Refrigerant	Fan motor	-			-		
	Type x original charge	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)	668 (303)	668 (303)	545 (247)	668 (303)	657 (298)	
Heat exchanger	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	3/8 (9.52) Brazed	
	Gas pipe	in. (mm)		1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) 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 Heating and Cooling 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 (460V)

PUHY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP360YSNU-A (-BS)				PUHY-EP384YSNU-A (-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				
	(460)	Power input	kW	28.67		31.41			
		Current input	A	39.9		43.8			
	(Rated)		BTU / h	342,000		365,000			
			kW	100.2		107.0			
(460)	Power input	kW	27.46	25.63	30.05	28.10			
	Current input	A	38.2	35.7	41.9	39.1			
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	405,000		430,000				
	*2	kW	118.7		126.0				
	(460)	Power input	kW	32.65		35.13			
		Current input	A	45.5		48.9			
	(Rated)		BTU / h	387,000		410,000			
			kW	113.4		120.2			
(460)	Power input	kW	30.35	30.11	32.87	32.17			
	Current input	A	42.3	41.9	45.8	44.8			
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~P96/2~50				P04~P96/2~50			
Sound pressure level (measured in anechoic room)	*3	dB <A>	64.5/66.5		65.5/68.0				
Sound power level (measured in anechoic room)	*3	dB <A>	84.5/85.5		86.0/87.0				
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		PUHY-EP120YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP144YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	
Minimum Circuit Ampacity	A	18	18	18	21	18	18	
Maximum Overcurrent Protection	A	25	25	25	35	25	25	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Airflow rate	cfm	7,750	7,750	7,750	9,200	7,750	7,750
		m ³ / min	220	220	220	260	220	220
		L / s	3,670	3,670	3,670	4,330	3,670	3,670
	Control, Driving mechanism	Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor		
	*4 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
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	
	Starting method	Inverter		Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	7.4 x 1	7.4 x 1	7.4 x 1	9.3 x 1	7.4 x 1	7.4 x 1
	Case heater	kW	-	-	-	-	-	-
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-current protection				Over-current protection		
Refrigerant	Fan motor	-				-		
	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 23 lbs + 12 oz (10.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight	lbs (kg)	668 (303)	668 (303)	668 (303)	715 (324)	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)	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	
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 Heating and Cooling 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 (460V)

PUHY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-EP408YSNU-A (-BS)				PUHY-EP432YSNU-A (-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				
	(460)	Power input	kW	34.31		37.39			
		Current input	A	47.8		52.1			
	(Rated)		BTU / h	388,000		411,000			
			kW	113.7		120.5			
(460)	Power input	kW	33.11	30.42	36.06	33.17			
	Current input	A	46.1	42.4	50.2	46.2			
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				
	(460)	Power input	kW	37.71		40.45			
		Current input	A	52.5		56.4			
	(Rated)		BTU / h	433,000		456,000			
			kW	126.9		133.6			
(460)	Power input	kW	35.55	34.28	38.35	36.55			
	Current input	A	49.5	47.8	53.4	50.9			
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~P96/3~50				P04~P96/3~50			
Sound pressure level (measured in anechoic room)	*3	dB <A>	66.5/68.5		67.0/69.5				
Sound power level (measured in anechoic room)	*3	dB <A>	86.5/87.5		87.5/88.5				
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-EP144YNU-A (-BS)	PUHY-EP144YNU-A (-BS)	PUHY-EP120YNU-A (-BS)	PUHY-EP144YNU-A (-BS)	PUHY-EP144YNU-A (-BS)	PUHY-EP144YNU-A (-BS)	
Minimum Circuit Ampacity	A	21	21	18	21	21	21	
Maximum Overcurrent Protection	A	35	35	25	35	35	35	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	9,200	9,200	7,750	9,200	9,200	9,200
		m ³ / min	260	260	220	260	260	260
		L / s	4,330	4,330	3,670	4,330	4,330	4,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor			Inverter-control, Brushless DC motor			
	*4 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
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	
	Starting method	Inverter		Inverter	Inverter		Inverter	
	Motor output	kW	9.3 x 1	9.3 x 1	7.4 x 1	9.3 x 1	9.3 x 1	9.3 x 1
	Case heater	kW	-	-	-	-	-	-
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-current protection			Over-current protection			
Refrigerant	Fan motor	-			-			
	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)	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)	
Net weight	lbs (kg)	715 (324)	715 (324)	668 (303)	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	
	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	
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 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P72TNU-A (-BS)		PUHY-P96TNU-A (-BS)		PUHY-P120TNU-A (-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				
	Current input	A	15.4-14.0	19.9-18.0	27.3-24.7				
(Rated)	BTU / h		69,000	92,000	114,000				
	kW		20.2	27.0	33.4				
(208-230)	Power input	kW	4.75	4.54	5.92	6.04	8.17	8.27	
	Current input	A	14.6-13.2	14.0-12.6	18.2-16.5	18.6-16.8	25.1-22.7	25.5-23.0	
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				
(208-230)	Power input	kW	5.42	7.37	9.97				
	Current input	A	16.7-15.1	22.7-20.5	30.7-27.8				
(Rated)	BTU / h		76,000	103,000	129,000				
	kW		22.3	30.2	37.8				
(208-230)	Power input	kW	4.89	5.13	6.67	6.96	9.01	9.44	
	Current input	A	15.0-13.6	15.8-14.3	20.5-18.6	21.4-19.4	27.7-25.1	29.1-26.3	
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		50~130% 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 pressure level (measured in anechoic room)	*4	dB <A>	55.0/57.5		56.5/58.5		60.0/62.0		
Sound power level (measured in anechoic room)	*4	dB <A>	74.0/76.5		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		24-22		33-31		41-38		
Maximum Overcurrent Protection	A		40-35		50-45		60-60		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,000		6,700		7,750		
		m ³ / min	170		190		220		
		L / s	2,830		3,170		3,670		
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 x 1		5.5 x 1		7.7 x 1	
	Case heater	kW		-		-		-	
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-current protection		Over-current 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 Heating and Cooling 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 TNU-A(-BS)



► Specifications

Outdoor Model		PUHY-P144TNU-A (-BS)		PUHY-P168TNU-A (-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) (Rated)	Power input	kW	11.08	14.28		
	Current input	A	34.1-30.9	44.0-39.8		
(208-230)	Total capacity	BTU / h	137,000	161,000		
		kW	40.2	47.2		
(208-230)	Power input	kW	10.45	10.06	13.32	13.11
	Current input	A	32.2-29.1	31.0-28.0	41.0-37.1	40.4-36.5
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		188,000	
	*2	kW	46.9		55.1	
(208-230) (Rated)	Power input	kW	12.21		14.15	
	Current input	A	37.6-34.0		43.6-39.4	
(208-230)	Total capacity	BTU / h	152,000		179,000	
		kW	44.5		52.5	
(208-230)	Power input	kW	11.06	11.55	12.65	13.55
	Current input	A	34.1-30.8	35.6-32.2	39.0-35.2	41.7-37.7
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 pressure level (measured in anechoic room)	*4	dB <A>	62.5/65.0		60.5/64.5	
Sound power level (measured in anechoic room)	*4	dB <A>	83.0/84.0		79.0/83.5	
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	49-45		59-54		
Maximum Overcurrent Protection	A	80-70		90-90		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	9,200		10,600	
m³ / min		260		300		
	L / s	4,330		5,000		
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		0.92+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		
	Starting method	Inverter		Inverter		
Motor output	kW	9.6 x 1		11.4 x 1		
Case heater	kW	-		-		
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 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)	649 (294)		724 (328)		
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/102L S-G2 CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102L S-G2 CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		joint: CMY-Y102SS/102L S-G2 CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G	

Notes:

*1,*2 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P192TSNU-A (-BS)		PUHY-P216TSNU-A (-BS)		PUHY-P240TSNU-A (-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	14.29	16.78	19.97				
	Current input	A	44.0-39.8	51.7-46.8	61.5-55.6				
(Rated)	BTU / h		184,000	206,000	228,000				
	kW		53.9	60.4	66.8				
(208-230)	Power input	kW	13.06	13.40	15.36	15.71	18.72	18.26	
	Current input	A	40.2-36.4	41.3-37.3	47.3-42.8	48.4-43.8	57.7-52.2	56.3-50.9	
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	216,000		243,000		270,000		
	*2	kW	63.3		71.2		79.1		
(208-230)	Power input	kW	15.95		18.63		22.12		
	Current input	A	49.1-44.4		57.4-51.9		68.2-61.6		
(Rated)	BTU / h		206,000		232,000		258,000		
	kW		60.4		68.0		75.6		
(208-230)	Power input	kW	14.43	15.10	16.82	17.68	20.54	20.41	
	Current input	A	44.5-40.2	46.5-42.1	51.8-46.9	54.5-49.3	63.3-57.2	62.9-56.9	
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 pressure level (measured in anechoic room)	*4	dB <A>	60.0/62.0		62.0/64.0		63.5/65.5		
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-A (-BS)	PUHY-P96TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P96TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	
Minimum Circuit Ampacity	A	33-31	33-31	41-38	33-31	41-38	41-38	41-38	
Maximum Overcurrent Protection	A	50-45	50-45	60-60	50-45	60-60	60-60	60-60	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,700	6,700	7,750	6,700	7,750	7,750	7,750
		m ³ / min	190	190	220	190	220	220	220
		L / s	3,170	3,170	3,670	3,170	3,670	3,670	3,670
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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	0.46+0.46	
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	5.5 x 1	5.5 x 1	7.7 x 1	5.5 x 1	7.7 x 1	7.7 x 1	7.7 x 1
	Case heater	kW	-	-	-	-	-	-	-
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>		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	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	
	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	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)		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 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)	R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight	lbs (kg)	580 (263)	580 (263)	605 (274)	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		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	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	7/8 (22.2) 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-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		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G		

Notes:

*1,*2 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P264TSNU-A (-BS)				PUHY-P288TSNU-A (-BS)			
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source		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			
(208-230)	Power input	kW		20.69		23.21			
		Current input		A		63.8-57.7		71.5-64.7	
(Rated)	BTU / h	253,000		275,000					
		kW		74.2		80.6			
(208-230)	Power input	kW		19.45		18.85		21.90	
		Current input		A		59.9-54.2		58.1-52.5	
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		296,000		323,000			
	*2	kW		86.8		94.7			
(208-230)	Power input	kW		22.63		25.23			
		Current input		A		69.7-63.1		77.8-70.3	
(Rated)	BTU / h	282,000		308,000					
		kW		82.6		90.3			
(208-230)	Power input	kW		20.96		20.94		23.28	
		Current input		A		64.6-58.4		64.5-58.4	
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		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)		*4		dB <A>		61.0/63.0		62.5/65.0	
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-P96TNU-A (-BS)	PUHY-P96TNU-A (-BS)	PUHY-P72TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P96TNU-A (-BS)	PUHY-P72TNU-A (-BS)	
Minimum Circuit Ampacity		A	33-31	33-31	24-22	41-38	33-31	
Maximum Overcurrent Protection		A	50-45	50-45	40-35	60-60	50-45	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	
	Airflow rate	cfm		6,700	6,700	6,000	7,750	6,700
		m ³ / min		190	190	170	220	190
		L / s		3,170	3,170	2,830	3,670	2,830
	Control, Driving mechanism		Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor	
Motor output		kW		0.46+0.46	0.92	0.46+0.46	0.92	
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)	
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	
	Starting method		Inverter		Inverter	Inverter	Inverter	
	Motor output		kW		5.5 x 1	3.8 x 1	5.5 x 1	3.8 x 1
	Case heater		kW		-	-	-	-
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 36-1/4 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	
	mm	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 920 x 740	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-current protection				Over-current protection		
Refrigerant	Fan motor		-		-		-	
	Type x original charge	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 14 lbs + 5 oz (6.5 kg)	
Net weight		lbs (kg)		580 (263)	580 (263)	470 (213)	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	
	Gas pipe	in. (mm)		7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) 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 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P312TSNU-A (-BS)				PUHY-P336TSNU-A (-BS)									
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted							
Power source		3-phase 3-wire 208-230 V ±10% 60 Hz													
Cooling capacity (Nominal)	*1	BTU / h		312,000		336,000		336,000							
	*1	kW		91.4		98.5		98.5							
(208-230)	Power input	kW		25.98		27.77		27.77							
		Current input		A		80.1-72.4		85.6-77.4							
(Rated)	BTU / h	297,000		320,000		320,000		320,000							
		kW		87.0		93.8		93.8							
(208-230)	Power input	kW		24.67		23.44		26.33							
		Current input		A		76.0-68.8		81.2-73.4							
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		350,000		378,000		378,000							
	*2	kW		102.6		110.8		110.8							
(208-230)	Power input	kW		28.28		30.84		30.84							
		Current input		A		87.2-78.8		95.1-86.0							
(Rated)	BTU / h	334,000		361,000		361,000		361,000							
		kW		97.9		105.8		105.8							
(208-230)	Power input	kW		26.32		26.04		28.95							
		Current input		A		81.1-73.4		80.3-72.6							
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		Model / Quantity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity							
Sound pressure level (measured in anechoic room)		*4		dB <A>		64.0/66.0		64.0/66.0							
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		3/4 (19.05) Brazed							
	Gas pipe	in. (mm)		1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		1-5/8 (41.28) Brazed							
Set Model															
Model		PUHY-P120TNU-A (-BS)		PUHY-P120TNU-A (-BS)		PUHY-P72TNU-A (-BS)		PUHY-P120TNU-A (-BS)		PUHY-P120TNU-A (-BS)		PUHY-P96TNU-A (-BS)			
Minimum Circuit Ampacity		A		41-38		41-38		24-22		41-38		41-38			
Maximum Overcurrent Protection		A		60-60		60-60		40-35		60-60		60-60			
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm		7,750		7,750		6,000		7,750		7,750		6,700	
		m ³ / min		220		220		170		220		220		190	
		L / s		3,670		3,670		2,830		3,670		3,670		3,170	
	Control, Driving mechanism		Inverter-control, Brushless DC motor												
Compressor	Motor output		kW		0.46+0.46		0.46+0.46		0.92		0.46+0.46		0.46+0.46		
	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)		
	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 x 1		7.7 x 1		3.8 x 1		7.7 x 1		7.7 x 1		
Case heater		kW		-		-		-		-		-			
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 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 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)												
	Inverter circuit (COMP./FAN)		Over-current protection												
Refrigerant	Fan motor		-												
	Type x original charge		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)		R410A x 21 lbs + 9 oz (9.8 kg)		
Net weight		lbs (kg)		605 (274)		605 (274)		470 (213)		605 (274)		605 (274)			
Heat exchanger		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		3/8 (9.52) Brazed		1/2 (12.7) Brazed		3/8 (9.52) Brazed		
	Gas pipe		in. (mm)		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed		7/8 (22.2) Brazed		
Optional parts		Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G													

Notes:

*1,*2 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P360TSNU-A (-BS)				PUHY-P384TSNU-A (-BS)						
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted				
Power source		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					
(208-230)	Power input	kW	30.67				33.18					
		Current input	A				94.5-85.5					
(Rated)	Current input	BTU / h	342,000				365,000					
		kW	100.2				107.0					
(208-230)	Power input	kW	28.93		27.86		31.70		29.73			
		Current input	A		89.2-80.6		97.7-88.4		91.6-82.9			
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					
(208-230)	Power input	kW	33.78				36.26					
		Current input	A				104.1-94.2					
(Rated)	Current input	BTU / h	387,000				410,000					
		kW	113.4				120.2					
(208-230)	Power input	kW	31.59		30.96		34.05		33.09			
		Current input	A		97.4-88.1		105.0-94.9		102.0-92.2			
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		Model / Quantity		50~130% of outdoor unit capacity				50~130% of outdoor unit capacity				
Sound pressure level (measured in anechoic room)		*4	dB <A>		65.0/67.0				66.0/68.5			
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-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P144TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)		
Minimum Circuit Ampacity		A	41-38	41-38	41-38	49-45	41-38	41-38	41-38	41-38		
Maximum Overcurrent Protection		A	60-60	60-60	60-60	80-70	60-60	60-60	60-60	60-60		
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	7,750		7,750		7,750		9,200			
		m ³ / min	220		220		220		260			
		L / s	3,670		3,670		3,670		4,330			
	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			
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)		
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	7.7 x 1		7.7 x 1		7.7 x 1		9.6 x 1			
	Case heater	kW	-		-		-		-			
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		
	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		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)										
	Inverter circuit (COMP./FAN)	Over-current protection				Over-current protection						
Refrigerant	Fan motor	-										
	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 23 lbs + 12 oz (10.8 kg)		R410A x 21 lbs + 9 oz (9.8 kg)		
Net weight	lbs (kg)	605 (274)		605 (274)		605 (274)		649 (294)		605 (274)		
Heat exchanger												
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	
		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	
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 Heating and Cooling 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-A(-BS)



► Specifications

Outdoor Model		PUHY-P408TSNU-A (-BS)				PUHY-P432TSNU-A (-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		432,000					
	*1	kW		119.6		126.6		126.6					
(208-230)	Power input	kW		35.79		38.31		38.31					
		Current input		110.3-99.8		118.1-106.8		118.1-106.8					
(Rated)	BTU / h	388,000		411,000		411,000		411,000					
		kW		113.7		120.5		120.5					
(208-230)	Power input	kW		34.67		31.59		37.45					
		Current input		106.9-96.6		97.4-88.1		115.5-104.4					
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		455,000		480,000		480,000					
	*2	kW		133.4		140.7		140.7					
(208-230)	Power input	kW		38.94		41.66		41.66					
		Current input		120.0-108.6		128.4-116.1		128.4-116.1					
(Rated)	BTU / h	433,000		456,000		456,000		456,000					
		kW		126.9		133.6		133.6					
(208-230)	Power input	kW		36.73		35.38		39.41					
		Current input		113.2-102.4		109.1-98.6		121.5-109.9					
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						
	Model / Quantity		P04~P96/3~50				P04~P96/3~50						
Sound pressure level (measured in anechoic room)		*4	dB <A>		67.0/69.0		67.5/70.0		67.5/70.0				
Sound power level (measured in anechoic room)		*4	dB <A>		87.0/88.0		88.0/89.0		88.0/89.0				
Refrigerant piping diameter	Liquid pipe	in. (mm)		3/4 (19.05) Brazed		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		1-5/8 (41.28) Brazed					
Set Model													
Model		PUHY-P144TNU-A (-BS)		PUHY-P144TNU-A (-BS)		PUHY-P120TNU-A (-BS)		PUHY-P144TNU-A (-BS)		PUHY-P144TNU-A (-BS)			
Minimum Circuit Ampacity		A		49-45		41-38		49-45		49-45			
Maximum Overcurrent Protection		A		80-70		60-60		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		
	Airflow rate	cfm		9,200		7,750		9,200		9,200		9,200	
		m ³ / min		260		220		260		260		260	
		L / s		4,330		3,670		4,330		4,330		4,330	
	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			
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)			
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		
	Starting method		Inverter		Inverter		Inverter		Inverter		Inverter		
	Motor output		kW		9.6 x 1		7.7 x 1		9.6 x 1		9.6 x 1		
	Case heater		kW		-		-		-		-		
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		
	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		
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				
Refrigerant	Fan motor		-						-				
	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)		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)		
Net weight		lbs (kg)		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		
	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		
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 Heating and Cooling 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 (460V)

PUHY-P YNU-A(-BS)



► Specifications

Outdoor Model		PUHY-P72YNU-A (-BS)		PUHY-P96YNU-A (-BS)		PUHY-P120YNU-A (-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	5.02		6.46		8.88
		Current input	A	7.0		9.0		12.3
	(Rated)	BTU / h		69,000		92,000		114,000
		kW		20.2		27.0		33.4
(460)	Power input	kW	4.75	4.54	5.92	6.04	8.17	8.27
	Current input	A	6.6	6.3	8.2	8.4	11.3	11.5
	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	5.42		7.37		9.97
		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
(460)	Power input	kW	4.89	5.13	6.67	6.96	9.01	9.44
	Current input	A	6.8	7.1	9.3	9.7	12.5	13.1
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 pressure level (measured in anechoic room)	*4	dB <A>	55.0/57.5		56.5/58.5		60.0/62.0	
Sound power level (measured in anechoic room)	*4	dB <A>	74.0/76.5		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	11		15		19		
Maximum Overcurrent Protection	A	15		20		30		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	6,000		6,700		7,750	
		m ³ / min	170		190		220	
		L / s	2,830		3,170		3,670	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
*5	Motor output	kW 0.92		0.46+0.46		0.46+0.46		
Compressor	*5	External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
External finish	Type x Quantity	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>		
	Starting method	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
		Inverter						
		Motor output	kW 3.8 x 1		5.5 x 1		7.7 x 1	
Case heater	kW -		-		-			
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 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 Heating and Cooling 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 (460V)

PUHY-P YNU-A(-BS)



► Specifications

Outdoor Model		PUHY-P144YNU-A (-BS)				PUHY-P168YNU-A (-BS)			
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source		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			
(460) Power input		kW		11.08		14.28			
(460) Current input		A		15.4		19.9			
(Rated)		BTU / h		137,000		161,000			
		kW		40.2		47.2			
(460) Power input		kW		10.45		10.06		13.32	
(460) Current input		A		14.5		14.0		18.5	
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		188,000			
		*2 kW		46.9		55.1			
(460) Power input		kW		12.21		14.15			
(460) Current input		A		17.0		19.7			
(Rated)		BTU / h		152,000		179,000			
		kW		44.5		52.5			
(460) Power input		kW		11.06		11.55		12.65	
(460) Current input		A		15.4		16.1		17.6	
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~P96/1~36		P04~P96/1~42			
Sound pressure level (measured in anechoic room)		*4 dB <A>		62.5/65.0		60.5/64.5			
Sound power level (measured in anechoic room)		*4 dB <A>		83.0/84.0		79.0/83.5			
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		22		27			
Maximum Overcurrent Protection		A		35		45			
FAN		Type x Quantity		Propeller fan x 2		Propeller fan x 2			
		Airflow rate		cfm		9,200		10,600	
				m ³ / min		260		300	
				L / s		4,330		5,000	
		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		9.6 x 1		11.4 x 1	
		Case heater		kW		-		-	
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-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)		684 (310)		759 (344)			
Heat exchanger				Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper 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 Heating and Cooling 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 (460V)

PUHY-P YSNU-A(-BS)



► Specifications

Outdoor Model		PUHY-P192YSNU-A (-BS)		PUHY-P216YSNU-A (-BS)		PUHY-P240YSNU-A (-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			
	(460)	Power input	kW	14.29	16.78	19.97		
		Current input	A	19.9	23.4	27.8		
	(Rated)		BTU / h	184,000	206,000	228,000		
			kW	53.9	60.4	66.8		
(460)	Power input	kW	13.06	13.40	15.36	15.71	18.26	
	Current input	A	18.2	18.6	21.4	21.9	26.1	
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	216,000	243,000	270,000			
	*2	kW	63.3	71.2	79.1			
	(460)	Power input	kW	15.95	18.63	22.12		
		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		
(460)	Power input	kW	14.43	15.10	16.82	17.68	20.54	
	Current input	A	20.1	21.0	23.4	24.6	28.6	
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 pressure level (measured in anechoic room)	*4	dB <A>	60.0/62.0		62.0/64.0		63.5/65.5	
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-P96YNU-A (-BS)	PUHY-P96YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P96YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)		
Minimum Circuit Ampacity	A	15	15	19	15	19	19		
Maximum Overcurrent Protection	A	20	20	30	20	30	30		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	6,700	6,700	7,750	6,700	7,750	7,750	
		m ³ / min	190	190	220	190	220	220	
		L / s	3,170	3,170	3,670	3,170	3,670	3,670	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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		
*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	5.5 x 1		7.7 x 1		5.5 x 1		
	Case heater	kW	-		-		-		
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			
	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-current protection		Over-current 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)	640 (290)	616 (279)	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 and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed	1/2 (12.7) 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	1-1/8 (28.58) Brazed	7/8 (22.2) 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 Heating and Cooling 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 (460V)

PUHY-P YSNU-A(-BS)



► Specifications

Outdoor Model			PUHY-P264YSNU-A (-BS)				PUHY-P288YSNU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 460 V ±10% 60 Hz							
Cooling capacity (Nominal)			264,000				288,000			
(460)	*1	BTU / h	264,000				288,000			
		*1 kW	77.4				84.4			
	Power input kW	20.69				23.21				
	Current input A	28.8				32.3				
(Rated)	(460)	BTU / h	253,000				275,000			
		kW	74.2				80.6			
	Power input kW	19.45		18.85		21.90		21.08		
	Current input A	27.1		26.2		30.5		29.3		
Temp. range of cooling			59~75°F (15~24°C)				59~75°F (15~24°C)			
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)			296,000				323,000			
(460)	*2	BTU / h	296,000				323,000			
		*2 kW	86.8				94.7			
	Power input kW	22.63				25.23				
	Current input A	31.5				35.1				
(Rated)	(460)	BTU / h	282,000				308,000			
		kW	82.6				90.3			
	Power input kW	20.96		20.94		23.28		23.43		
	Current input A	29.2		29.2		32.4		32.6		
Temp. range of heating			59~81°F (15~27°C)				59~81°F (15~27°C)			
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			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)			61.0/63.0				62.5/65.0			
*4			dB <A>				dB <A>			
Sound power level (measured in anechoic room)			80.0/82.0				82.5/84.0			
*4			dB <A>				dB <A>			
Refrigerant piping diameter			3/4 (19.05) Brazed				3/4 (19.05) Brazed			
Liquid pipe			in. (mm)				in. (mm)			
Gas pipe			1-3/8 (34.93) Brazed				1-3/8 (34.93) Brazed			

Set Model			PUHY-P96YNU-A (-BS)	PUHY-P96YNU-A (-BS)	PUHY-P72YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P96YNU-A (-BS)	PUHY-P72YNU-A (-BS)		
Minimum Circuit Ampacity			A	15	15	11	19	15	11	
Maximum Overcurrent Protection			A	20	20	15	30	20	15	
FAN			Propeller fan x 2		Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	
*5	Type x Quantity	Airflow rate	6,700		6,700	6,000	7,750	6,700	6,000	
		cfm	190		190	170	220	190	170	
	m ³ / min	3,170		3,170	2,830	3,670	3,170	2,830		
	L / s	-		-	-	-	-	-		
Control, Driving mechanism			Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
Motor output			0.46+0.46		0.46+0.46	0.92	0.46+0.46	0.46+0.46	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			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	
Type x Quantity			Inverter		Inverter	Inverter	Inverter	Inverter	Inverter	
Starting method			5.5 x 1		5.5 x 1	3.8 x 1	7.7 x 1	5.5 x 1	3.8 x 1	
Motor output			-		-	-	-	-	-	
Case heater			-		-	-	-	-	-	
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			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	71-5/8 x 36-1/4 x 29-3/16	
in.			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	1,818 x 920 x 740	
mm			-		-	-	-	-	-	
Protection devices			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 protection			Over-current protection				Over-current protection			
Inverter circuit (COMP./FAN)			-				-			
Fan motor			-				-			
Refrigerant			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)	R410A x 14 lbs + 5 oz (6.5 kg)	
Type x original charge			616 (279)		616 (279)	503 (228)	640 (290)	616 (279)	503 (228)	
Net weight			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube			
Heat exchanger			3/8 (9.52) Brazed				1/2 (12.7) Brazed			
Pipe between unit and distributor			7/8 (22.2) Brazed				3/8 (9.52) Brazed			
Liquid pipe			1-1/8 (28.58) Brazed				7/8 (22.2) Brazed			
Gas pipe			-				7/8 (22.2) 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 Heating and Cooling 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 (460V)

PUHY-P YSNU-A(-BS)



► Specifications

Outdoor Model			PUHY-P312YSNU-A (-BS)				PUHY-P336YSNU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 460 V ±10% 60 Hz							
Cooling capacity (Nominal)			312,000				336,000			
BTU / h			312,000				336,000			
*1 kW			91.4				98.5			
*1 Power input kW			25.98				27.77			
(460) Current input A			36.2				38.7			
(Rated) BTU / h			297,000				320,000			
kW			87.0				93.8			
*2 Power input kW			24.67		23.44		26.33		25.09	
(460) Current input A			34.4		32.6		36.7		34.9	
Temp. range of cooling			59~75°F (15~24°C)				59~75°F (15~24°C)			
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)			350,000				378,000			
*2 BTU / h			350,000				378,000			
*2 kW			102.6				110.8			
(460) Power input kW			28.28				30.84			
Current input A			39.4				43.0			
(Rated) BTU / h			334,000				361,000			
kW			97.9				105.8			
*2 Power input kW			26.32		26.04		28.95		28.16	
(460) Current input A			36.7		36.3		40.3		39.2	
Temp. range of heating			59~81°F (15~27°C)				59~81°F (15~27°C)			
*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			50~130% of outdoor unit capacity				50~130% of outdoor unit capacity			
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)			64.0/66.0				64.0/66.0			
*4 dB <A>			64.0/66.0				64.0/66.0			
Sound power level (measured in anechoic room)			84.0/85.0				84.0/85.0			
*4 dB <A>			84.0/85.0				84.0/85.0			
Refrigerant piping diameter			3/4 (19.05) Brazed				3/4 (19.05) Brazed			
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-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P72YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P96YNU-A (-BS)		
Minimum Circuit Ampacity			A	19	19	11	19	19	15	
Maximum Overcurrent Protection			A	30	30	15	30	30	20	
FAN			Propeller fan x 2		Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
Type x Quantity			Propeller fan x 2		Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
Airflow rate			7,750		7,750	6,000	7,750	7,750	6,700	
cfm			7,750		7,750	6,000	7,750	7,750	6,700	
m ³ / min			220		220	170	220	220	190	
L / s			3,670		3,670	2,830	3,670	3,670	3,170	
Control, Driving mechanism			Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
*5 Motor output kW			0.46+0.46		0.46+0.46	0.92	0.46+0.46	0.46+0.46	0.46+0.46	
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			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	
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 x 1		7.7 x 1	3.8 x 1	7.7 x 1	7.7 x 1	5.5 x 1	
Case heater kW			-		-	-	-	-	-	
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			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	71-5/8 x 48-7/8 x 29-3/16	
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 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	
mm			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	1,818 x 1,240 x 740	
Protection devices			High pressure protection sensor, High pressure switch at 4.15 MPa (601 psi)				High pressure protection sensor, High pressure switch at 4.15 MPa (601 psi)			
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			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)	R410A x 21 lbs + 9 oz (9.8 kg)	
Type x original charge			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)	R410A x 21 lbs + 9 oz (9.8 kg)	
Net weight lbs (kg)			640 (290)		640 (290)	503 (228)	640 (290)	640 (290)	616 (279)	
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube			
Pipe between unit and distributor			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	3/8 (9.52) Brazed	
Liquid pipe in. (mm)			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	3/8 (9.52) Brazed	
Gas pipe in. (mm)			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	7/8 (22.2) 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 Heating and Cooling 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 (460V)

PUHY-P YSNU-A(-BS)



► Specifications

Outdoor Model			PUHY-P360YSNU-A (-BS)				PUHY-P384YSNU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 460 V ±10% 60 Hz							
Cooling capacity (Nominal)			360,000				384,000			
(460)	*1	BTU / h	360,000				384,000			
		*1 kW	105.5				112.5			
	(Rated)	Power input kW	30.67				33.18			
		Current input A	42.7				46.2			
(460)	*2	BTU / h	342,000				365,000			
		*2 kW	100.2				107.0			
	(Rated)	Power input kW	28.93		27.86		31.70		29.73	
		Current input A	40.3		38.8		44.2		41.4	
Temp. range of cooling			59~75°F (15~24°C)				59~75°F (15~24°C)			
			Indoor W.B.		23~126°F (-5~52°C)		Indoor W.B.		23~126°F (-5~52°C)	
			Outdoor D.B.				Outdoor D.B.			
Heating capacity (Nominal)			405,000				430,000			
(460)	*2	BTU / h	405,000				430,000			
		*2 kW	118.7				126.0			
	(Rated)	Power input kW	33.78				36.26			
		Current input A	47.1				50.5			
(460)	*3	BTU / h	387,000				410,000			
		*3 kW	113.4				120.2			
	(Rated)	Power input kW	31.59		30.96		34.05		33.09	
		Current input A	44.0		43.1		47.4		46.1	
Temp. range of heating			59~81°F (15~27°C)				59~81°F (15~27°C)			
			Indoor D.B.		-13~60°F (-25~15.5°C)		Indoor D.B.		-13~60°F (-25~15.5°C)	
			Outdoor W.B.				Outdoor W.B.			
Indoor unit connectable			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)			65.0/67.0				66.0/68.5			
*4			dB <A>				dB <A>			
Sound power level (measured in anechoic room)			85.0/86.0				86.5/87.5			
*4			dB <A>				dB <A>			
Refrigerant			3/4 (19.05) Brazed				3/4 (19.05) Brazed			
Liquid pipe			in. (mm)				in. (mm)			
Gas pipe			1-5/8 (41.28) Brazed				1-5/8 (41.28) Brazed			

Set Model

Model			PUHY-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P144YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P120YNU-A (-BS)		
Minimum Circuit Ampacity			A	19	19	19	22	15	15	
Maximum Overcurrent Protection			A	30	30	30	35	30	30	
FAN			Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
*5	Type x Quantity	Airflow rate	7,750		7,750		9,200		7,750	
		cfm	220		220		260		220	
		m ³ / min	3,670		3,670		4,330		3,670	
	L / s	-		-		-		-		
Control, Driving mechanism			Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
Motor output			0.46+0.46		0.46+0.46		0.46+0.46		0.46+0.46	
External static press.			0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor			Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
Type x Quantity			-		-		-		-	
Starting method			Inverter		Inverter		Inverter		Inverter	
Motor output			7.7 x 1		7.7 x 1		9.6 x 1		7.7 x 1	
Case heater			-		-		-		-	
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			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	
			in.		in.		in.		in.	
			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	
			mm		mm		mm		mm	
Protection devices			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 protection			Over-current protection				Over-current protection			
Inverter circuit (COMP./FAN)			-				-			
Fan motor			-				-			
Refrigerant			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)		R410A x 21 lbs + 9 oz (9.8 kg)	
Type x original charge			640 (290)		640 (290)		684 (310)		640 (290)	
Net weight			lbs (kg)		lbs (kg)		lbs (kg)		lbs (kg)	
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube			
Pipe between unit and distributor			1/2 (12.7) Brazed		1/2 (12.7) Brazed		1/2 (12.7) Brazed		1/2 (12.7) Brazed	
Liquid pipe			1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Gas pipe			in. (mm)		in. (mm)		in. (mm)		in. (mm)	
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 Heating and Cooling 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 (460V)

PUHY-P YSNU-A(-BS)



► Specifications

Outdoor Model			PUHY-P408YSNU-A (-BS)				PUHY-P432YSNU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 460 V ±10% 60 Hz							
Cooling capacity (Nominal)			408,000				432,000			
(460)	*1	BTU / h	408,000				432,000			
		*1 kW	119.6				126.6			
	(Rated)	Power input kW	35.79				38.31			
		Current input A	49.9				53.4			
(460)	*2	BTU / h	388,000				411,000			
		*2 kW	113.7				120.5			
	(Rated)	Power input kW	34.67		31.59		37.45		33.49	
		Current input A	48.3		44.0		52.2		46.7	
Temp. range of cooling			59~75°F (15~24°C)				59~75°F (15~24°C)			
			Indoor W.B.		23~126°F (-5~52°C)		Indoor D.B.		23~126°F (-5~52°C)	
			Outdoor D.B.				Outdoor W.B.			
Heating capacity (Nominal)			455,000				480,000			
(460)	*2	BTU / h	455,000				480,000			
		*2 kW	133.4				140.7			
	(Rated)	Power input kW	38.94				41.66			
		Current input A	54.3				58.0			
(460)	*3	BTU / h	433,000				456,000			
		*3 kW	126.9				133.6			
	(Rated)	Power input kW	36.73		35.38		39.41		37.73	
		Current input A	51.2		49.3		54.9		52.6	
Temp. range of heating			59~81°F (15~27°C)				59~81°F (15~27°C)			
			Indoor D.B.		-13~60°F (-25~15.5°C)		Indoor W.B.		-13~60°F (-25~15.5°C)	
			Outdoor W.B.				Outdoor D.B.			
Indoor unit connectable			50~130% of outdoor unit capacity				50~130% of outdoor unit capacity			
Model / Quantity			P04~P96/3~50				P04~P96/3~50			
Sound pressure level (measured in anechoic room)			67.0/69.0				67.5/70.0			
Sound power level (measured in anechoic room)			87.0/88.0				88.0/89.0			
Refrigerant piping diameter			3/4 (19.05) Brazed				3/4 (19.05) Brazed			
			Liquid pipe in. (mm)		1-5/8 (41.28) Brazed		Liquid pipe in. (mm)		1-5/8 (41.28) Brazed	
			Gas pipe in. (mm)				Gas pipe in. (mm)			

Set Model

Model			PUHY-P144YNU-A (-BS)	PUHY-P144YNU-A (-BS)	PUHY-P120YNU-A (-BS)	PUHY-P144YNU-A (-BS)	PUHY-P144YNU-A (-BS)	PUHY-P144YNU-A (-BS)	
Minimum Circuit Ampacity			A	22	19	22	22	22	
Maximum Overcurrent Protection			A	35	30	35	35	35	
FAN			Propeller fan x 2		Propeller fan x 2	Propeller fan x 2		Propeller fan x 2	
*5	Airflow rate	cfm	9,200	9,200	7,750	9,200	9,200	9,200	
		m ³ / min	260	260	220	260	260	260	
		L / s	4,330	4,330	3,670	4,330	4,330	4,330	
	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	0.46+0.46	
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)	0 in.WG (0 Pa)	
Compressor			Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
Type x Quantity		Inverter		Inverter	Inverter		Inverter		
Starting method		Inverter		Inverter	Inverter		Inverter		
Motor output kW		9.6 x 1		9.6 x 1	9.6 x 1		9.6 x 1		
Case heater kW		-		-	-		-		
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			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	
			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 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)				Inverter circuit (COMP./FAN)		
			Fan motor				Fan motor		
Refrigerant			R410A x 23 lbs + 12 oz. (10.8 kg)		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)	
Net weight			684 (310)		640 (290)	684 (310)		684 (310)	
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube		
Pipe between unit and distributor			1/2 (12.7) Brazed		1/2 (12.7) Brazed	1/2 (12.7) Brazed		1/2 (12.7) 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 Heating and Cooling 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.

R2-Series

Simultaneous Heating and Cooling Heat recovery

• Optional parts

• Specifications

460V
208-230V

- H2i **PURY-HP T(Y)NU-A**
- High efficiency **PURY-EP T(Y)NU-A(-BS)**
- Standard **PURY-P T(Y)NU-A(-BS)**

• BC controllers



*This image shows the standard type.

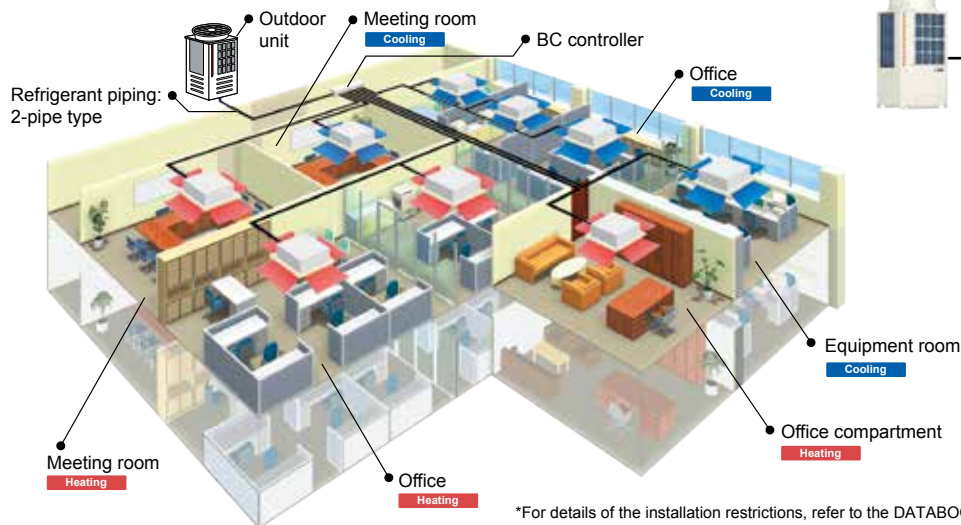
The world's first* two-pipe system that simultaneously heats and cools

*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 heating and cooling 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.

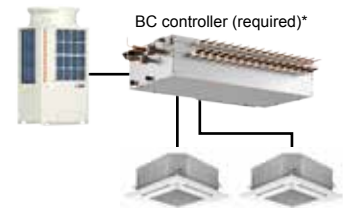
This innovation results in virtually no energy wasted by being expelled outdoors. Depending on capacity, up to 50 indoor units can be connected with up to 150% connected capacity.

• 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

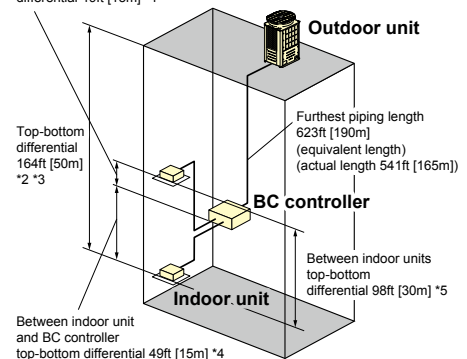
[HP72-HP240 T(S)NU/Y(S)NU]
[(E)P72-(E)P432 T(S)NU/Y(S)NU]
[P72-P288 Z(S)KMU]

Refrigerant Piping Lengths	Maximum feet [Meters]	Vertical differentials between units	Maximum feet [Meters]
Total piping length		Indoor/outdoor (outdoor higher)	164 [50]*3
(E)P72-96TNU/YNU/ZKMU,		Indoor/outdoor (outdoor lower)	131 [40]*3
HP72-96TNU/YNU	1,804 [550]	Indoor/BC controller (single/main) ...	49 [15]*4
(E)P120-168TNU/YNU/ZKMU,		*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.	
HP120-144T(S)NU/Y(S)NU	1,968 [600]	Indoor/indoor	98 [30]*5
(E)P192TSNU/YSNU/ZSKMU,		Main BC Controller/Sub-BC Controller...	49 [15]
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]

- *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 295ft [90m] (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.

Between indoor unit and BC controller top-bottom differential 49ft [15m] *4

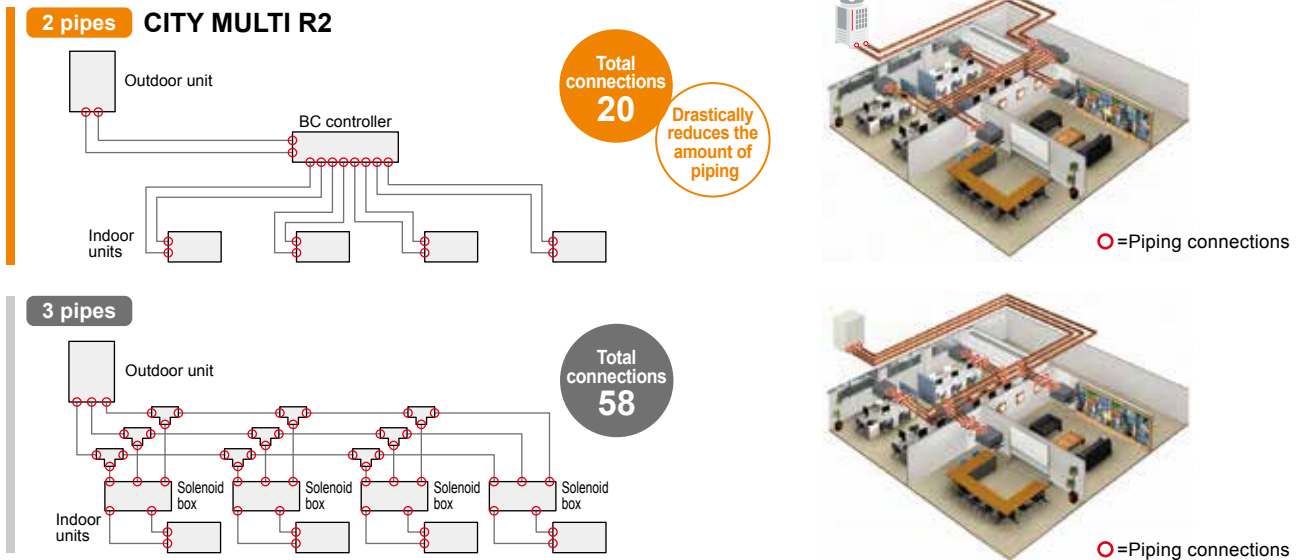


Benefits of the R2 system

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



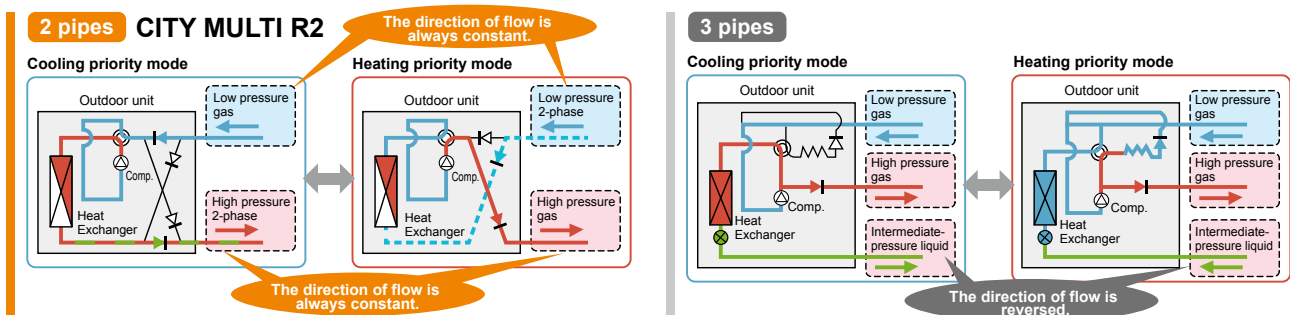
Heating/cooling modes can be switched without stopping operation

When heating/cooling 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.

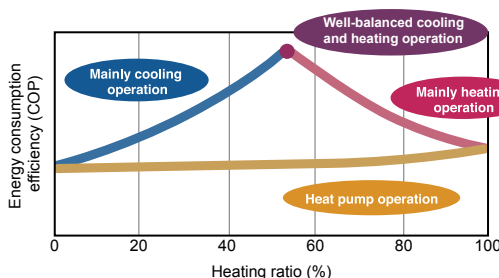
When heating/cooling mode switches

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



Heat recovery operation for greater energy savings

- COP of the heat recovery system



COP of the heat recovery system

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

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-A
		CMY-R200NCBK	For PURY-(E)P192-(E)P240T/YSNU-A
		CMY-R300NCBK	For PURY-(E)P264-(E)P336T/YSNU-A, PURY-HP192-HP240T/YSNU-A
For BC controller	Branch pipe (Joint)	CMY-Y102SS-G2	72 or below (Total capacity of indoor unit)
		CMY-Y102LS-G2	73-96 (Total capacity of indoor unit)
	Joint and Reducer	CMY-R201S-G	126 or below (Total capacity of indoor unit)
		CMY-R202S-G	127-216 (Total capacity of indoor unit)
		CMY-R203S-G	217-234 (Total capacity of indoor unit)
		CMY-R204S-G	235-360 (Total capacity of indoor unit)
		CMY-R205S-G	361 or above (Total capacity of indoor unit)
	Reducer	CMY-R301S-G	For CMB-P104, 106, 108, 1012, 1016NU-J1 (When the outdoor unit capacity is P120)
		CMY-R302S-G1	For CMB-P108, 1012, 1016NU-JA1 (When the outdoor unit capacity is P72 to P336)
		CMY-R303S-G1	For CMB-P108, 1012, 1016NU-JA1 and for use with sub BC controller
		CMY-R304S-G1	For CMB-P1016NU-KA1 (When the outdoor unit capacity is P72 to P336)
		CMY-R305S-G1	For CMB-P1016NU-KA1 and for use with sub BC controller
		CMY-R306S-G	For CMB-P104, 108NU-KB1
	Joint pipe kit	CMY-R160-J1	Joint for connecting to 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
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-R160-J1	For 55-96 (Total capacity of indoor unit)

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-A



► Specifications

Outdoor Model		PURY-HP72TNU-A		PURY-HP96TNU-A		PURY-HP120TNU-A		
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	
	(208-230)	Power input	5.22		6.50		8.82	
		Current input	16.0-14.5		20.0-18.1		27.2-24.6	
	(Rated)	BTU / h	69,000		92,000		114,000	
		kW	20.2		27.0		33.4	
	(208-230)	Power input	4.74	4.91	5.80	6.23	8.04	8.29
		Current input	14.6-13.2		15.1-13.6		17.8-16.1	
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	
	(208-230)	Power input	5.66		7.58		10.07	
		Current input	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	
	(208-230)	Power input	5.12	5.36	6.93	7.10	9.01	9.63
		Current input	15.7-14.2		16.5-14.9		21.3-19.3	
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~P96/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	*3	dB <A> 56.5/58.0		58.5/60.0		64.0/65.0		
Sound power level (measured in anechoic room)	*3	dB <A> 75.5/77.0		77.5/79.0		84.0/85.0		
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	38-35		44-40		47-44		
Maximum Overcurrent Protection	A	60-50		70-60		70-60		
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		
Compressor	*4	External static press. 0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		
	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
External finish	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	4.0		5.6		7.8	
	Case heater	kW		-		-		
External dimension H x W x D	in.	71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		
	mm	1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		
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)	609 (276)		662 (300)		662 (300)		
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		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 303, 301, 306S-G, CMY-R302, 303, 304, 305S-G1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 303, 301, 306S-G, CMY-R302, 303, 304, 305S-G1		
	BC controller:	CMB-P104, 106, 108, 1012, 1016NU-J1		CMB-P104, 106, 108, 1012, 1016NU-J1		CMB-P104, 106, 108, 1012, 1016NU-J1		
	Main BC controller:	CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1		CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1		CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1		
	Sub BC controller:	CMB-P104, 108NU-KB1		CMB-P104, 108NU-KB1		CMB-P104, 108NU-KB1		

Notes:

*1, *2 Nominal Heating and Cooling 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

R2-Series H2i (208-230V)

PURY-HP TSNU-A



► Specifications

Outdoor Model		PURY-HP144TSNU-A		PURY-HP192TSNU-A		PURY-HP240TSNU-A		
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			
	(208-230)	Power input	kW	11.92	14.53	20.08		
		Current input	A	36.7-33.2	44.8-40.5	61.9-56.0		
	(Rated)	BTU / h	138,000	184,000	228,000			
		kW	40.4	53.9	66.8			
(208-230)	Power input	kW	10.73	11.34	13.00	13.89	18.72	18.45
	Current input	A	33.0-29.9	34.9-31.6	40.0-36.2	42.8-38.7	57.7-52.2	56.9-51.4
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	160,000	215,000	270,000			
		kW	46.9	63.0	79.1			
	(208-230)	Power input	kW	12.50	16.49	22.45		
		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			
(208-230)	Power input	kW	11.22	11.91	15.04	15.49	20.64	20.92
	Current input	A	34.6-31.2	36.7-33.2	46.3-41.9	47.7-43.2	63.6-57.5	64.5-58.3
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 pressure level (measured in anechoic room)	*3	dB <A>	59.5/61.0		61.5/63.0		67.0/68.0	
Sound power level (measured in anechoic room)	*3	dB <A>	78.5/80.0		80.5/82.0		87.0/88.0	
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-A	PURY-HP72TNU-A	PURY-HP96TNU-A	PURY-HP96TNU-A	PURY-HP120TNU-A	PURY-HP120TNU-A	
Minimum Circuit Ampacity	A	38-35	38-35	44-40	44-40	47-44	47-44	
Maximum Overcurrent Protection	A	60-50	60-50	70-60	70-60	70-60	70-60	
FAN	Type x Quantity	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
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		
	Motor output	kW	4.0	4.0	5.6	5.6	7.8	7.8
	Case heater	kW	-	-	-	-	-	-
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 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	
	mm	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	
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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge	R410A x 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)	609 (276)	609 (276)	662 (300)	662 (300)	662 (300)	662 (300)
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	
	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	
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Nominal Heating and Cooling 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 R2-Series H2i (208-230V) PURY-HP TNU-A



► Specifications

Outdoor Model		PURY-HP72TNU-A		PURY-HP96TNU-A		PURY-HP120TNU-A			
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		
	(208-230)	Power input	5.22		6.50		8.82		
		Current input	16.0-14.5		20.0-18.1		27.2-24.6		
	(Rated)	BTU / h	69,000		92,000		114,000		
		kW	20.2		27.0		33.4		
	(208-230)	Power input	4.74	4.91	5.80	6.23	8.04	8.29	
		Current input	14.6-13.2		15.1-13.6		17.8-16.1		19.2-17.3
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	80,000		108,000		135,000		
		kW	23.4		31.7		39.6		
	(208-230)	Power input	5.66		7.58		10.07		
		Current input	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		
	(208-230)	Power input	5.12	5.36	6.93	7.10	9.01	9.63	
		Current input	15.7-14.2		16.5-14.9		21.3-19.3		21.8-19.8
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. -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 pressure level (measured in anechoic room)	*3	dB <A> 56.5/58.0		58.5/60.0		64.0/65.0			
Sound power level (measured in anechoic room)	*3	dB <A> 75.5/77.0		77.5/79.0		84.0/85.0			
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	38-35		44-40		47-44			
Maximum Overcurrent Protection	A	60-50		70-60		70-60			
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			
Compressor	*4	External static press. 0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)			
	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	-		-		-			
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 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8			
		mm 1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745			
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)	609 (276)		662 (300)		662 (300)			
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-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201.202.303,301, 306S-G, CMY-R302.303.304.305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201.202.303,301, 306S-G, CMY-R302.303.304.305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201.202.303,301, 306S-G, CMY-R302.303.304.305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1	

Notes:

*1,*2 Nominal Heating and Cooling 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

R2-Series H2i (208-230V)

PURY-HP TSNU-A



► Specifications

Outdoor Model		PURY-HP144TSNU-A		PURY-HP192TSNU-A		PURY-HP240TSNU-A		
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			
	(208-230)	Power input	kW	11.92	14.53	20.08		
		Current input	A	36.7-33.2	44.8-40.5	61.9-56.0		
	(Rated)	BTU / h		138,000	184,000	228,000		
		kW		40.4	53.9	66.8		
(208-230)	Power input	kW	10.73	11.34	13.00	13.89	18.72	18.45
	Current input	A	33.0-29.9	34.9-31.6	40.0-36.2	42.8-38.7	57.7-52.2	56.9-51.4
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	160,000	215,000	270,000			
		kW	46.9	63.0	79.1			
	(208-230)	Power input	kW	12.50	16.49	22.45		
		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		
(208-230)	Power input	kW	11.22	11.91	15.04	15.49	20.64	20.92
	Current input	A	34.6-31.2	36.7-33.2	46.3-41.9	47.7-43.2	63.6-57.5	64.5-58.3
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 pressure level (measured in anechoic room)	*3	dB <A>	59.5/61.0		61.5/63.0		67.0/68.0	
Sound power level (measured in anechoic room)	*3	dB <A>	78.5/80.0		80.5/82.0		87.0/88.0	
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-A	PURY-HP72TNU-A	PURY-HP96TNU-A	PURY-HP96TNU-A	PURY-HP120TNU-A	PURY-HP120TNU-A	
Minimum Circuit Ampacity	A	38-35	38-35	44-40	44-40	47-44	47-44	
Maximum Overcurrent Protection	A	60-50	60-50	70-60	70-60	70-60	70-60	
FAN	Type x Quantity	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
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		
	Motor output	kW	4.0	4.0	5.6	5.6	7.8	7.8
	Case heater	kW	-	-	-	-	-	-
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 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	
	mm	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	1,818 x 1,250 x 745	
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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge	R410A x 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)	609 (276)	609 (276)	662 (300)	662 (300)	662 (300)	662 (300)
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	
	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	
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Nominal Heating and Cooling 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 R2-Series H2i (460V) PURY-HP YNU-A



► Specifications

Outdoor Model		PURY-HP72YNU-A		PURY-HP96YNU-A		PURY-HP120YNU-A		
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		114,000	
		kW	20.2		27.0		33.4	
(460)		Power input kW	4.74	4.91	5.80	6.23	8.04	8.29
		Current input A	6.6	6.8	8.0	8.6	11.2	11.5
	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	
	(460)	Power input kW	5.66		7.58		10.07	
		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	7.10	9.01	9.63
		Current input A	7.1	7.4	9.6	9.9	12.5	13.4
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 pressure level (measured in anechoic room)	*3	dB <A> 56.5/58.0		58.5/60.0		64.0/65.0		
Sound power level (measured in anechoic room)	*3	dB <A> 75.5/77.0		77.5/79.0		84.0/85.0		
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	17		20		21		
Maximum Overcurrent Protection	A	25		30		35		
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	-		-		-	
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 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		
	mm	1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		
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)	644 (292)		697 (316)		697 (316)		
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		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201.202.203.301, 306S-G, CMY-R302.303.304.305S-G1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201.202.203.301, 306S-G, CMY-R302.303.304.305S-G1		
	BC controller:	CMB-P104,106,108,1012,1016NU-J1		CMB-P104,106,108,1012,1016NU-J1		CMB-P104,106,108,1012,1016NU-J1		
	Main BC controller:	CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1		CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1		CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1		
	Sub BC controller:	CMB-P104,108NU-KB1		CMB-P104,108NU-KB1		CMB-P104,108NU-KB1		

Notes:

*1,*2 Nominal Heating and Cooling 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 R2-Series H2i (460V) PURY-HP YSNU-A



► Specifications

Outdoor Model		PURY-HP144YSNU-A				PURY-HP192YSNU-A			
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				
	(460)	Power input	11.92		14.53				
		Current input	16.6		20.2				
	(Rated)	BTU / h	138,000		184,000				
		kW	40.4		53.9				
	(460)	Power input	10.73	11.34		13.00	13.89		
		Current input	14.9	15.8		18.1	19.3		
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		215,000				
		kW	46.9		63.0				
	(460)	Power input	12.50		16.49				
		Current input	17.4		22.9				
	(Rated)	BTU / h	152,000		206,000				
		kW	44.5		60.4				
	(460)	Power input	11.22	11.91		15.04	15.49		
		Current input	15.6	16.6		20.9	21.6		
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 pressure level (measured in anechoic room)	*3	dB <A>		59.5/61.0		61.5/63.0			
Sound power level (measured in anechoic room)	*3	dB <A>		78.5/80.0		80.5/82.0			
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-A		PURY-HP72YNU-A		PURY-HP96YNU-A		PURY-HP96YNU-A		
Minimum Circuit Ampacity	A	17		17		20		20		
Maximum Overcurrent Protection	A	25		25		30		30		
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	-		-		-		-	
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 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		71-5/8 x 49-1/4 x 29-3/8		
	mm	1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		1,818 x 1,250 x 745		
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)	644 (292)		644 (292)		697 (316)		697 (316)		
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1				Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1				

Notes:

*1, *2 Nominal Heating and Cooling 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 R2-Series H2i (460V) PURY-HP YSNU-A



► Specifications

Outdoor Model		PURY-HP240YSNU-A	
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	
	(460) Power input kW	20.08	
	(460) Current input A	28.0	
	(Rated) BTU / h	228,000	
	kW	66.8	
(460)	Power input kW	18.72	18.45
	Current input A	26.1	25.7
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	
	(460) Power input kW	22.45	
	(460) Current input A	31.3	
	(Rated) BTU / h	258,000	
	kW	75.6	
(460)	Power input kW	20.64	20.92
	Current input A	28.7	29.1
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 pressure level (measured in anechoic room)	*3 dB <A>	67.0/68.0	
Sound power level (measured in anechoic room)	*3 dB <A>	87.0/88.0	
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-A	PURY-HP120YNU-A	
Minimum Circuit Ampacity	A	21	21	
Maximum Overcurrent Protection	A	35	35	
FAN	Type x Quantity	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		
	*4 Motor output kW	0.46+0.46	0.46+0.46	
External static press.	0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		
	Motor output kW	7.8	7.8	
	Case heater kW	-	-	
External finish	Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1>			
External dimension H x W x D	in.	71-5/8 x 49-1/4 x 29-3/8	71-5/8 x 49-1/4 x 29-3/8	
	mm	1,818 x 1,250 x 745	1,818 x 1,250 x 745	
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)	697 (316)	697 (316)	
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-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Nominal Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP72TNU-A (-BS)		PURY-EP96TNU-A (-BS)		PURY-EP120TNU-A (-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	4.44	6.11	8.43		
		Current input	A	13.6-12.3	18.8-17.0	25.9-23.5		
	(Rated)	BTU / h		69,000	92,000	114,000		
		kW		20.2	27.0	33.4		
(208-230)	Power input	kW	3.96	4.26	5.55	5.76	7.70	7.91
	Current input	A	12.2-11.0	13.1-11.8	17.1-15.4	17.7-16.0	23.7-21.4	24.3-22.0
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			
	(208-230)	Power input	kW	5.43	7.40	9.89		
		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		
(208-230)	Power input	kW	4.77	5.28	6.72	6.98	8.95	9.35
	Current input	A	14.7-13.3	16.2-14.7	20.7-18.7	21.5-19.4	27.6-24.9	28.8-26.0
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 pressure level (measured in anechoic room)	*3	dB <A>	56.5/58.0		58.5/60.0		60.0/62.0	
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		23-21		31-29		41-38	
Maximum Overcurrent Protection	A		35-30		45-45		60-60	
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	-		-		-	
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-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 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-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1	

Notes:

*1, *2 Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP144TNU-A (-BS)		PURY-EP168TNU-A (-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	11.03		13.99		
	Current input A	34.0-30.7		43.1-39.0		
(Rated)	BTU / h	137,000		161,000		
	kW	40.2		47.2		
(208-230)	Power input kW	10.04	10.38	12.92	12.98	
	Current input A	30.9-28.0	32.0-28.9	39.8-36.0	40.0-36.2	
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	160,000		188,000		
	*2 kW	46.9		55.1		
(208-230)	Power input kW	12.34		15.17		
	Current input A	38.0-34.4		46.7-42.3		
(Rated)	BTU / h	152,000		179,000		
	kW	44.5		52.5		
(208-230)	Power input kW	11.08	11.76	13.32	14.77	
	Current input A	34.1-30.9	36.2-32.8	41.0-37.1	45.5-41.1	
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 pressure level (measured in anechoic room)	*3 dB <A>	65.0/65.5		62.5/66.5		
Sound power level (measured in anechoic room)	*3 dB <A>	85.5/85.5		81.0/85.5		
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	49-45		57-53		
Maximum Overcurrent Protection	A	80-70		90-80		
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	-		-		
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-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)		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP192TNU-A (-BS)		PURY-EP216TNU-A (-BS)		PURY-EP240TNU-A (-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	15.65		18.66		21.39
		Current input	A	48.2-43.6		57.5-52.0		65.9-59.6
	(Rated)		BTU / h	183,000		206,000		222,000
			kW	53.6		60.4		65.1
(208-230)	Power input	kW	14.38	14.60	17.43	17.13	20.38	19.24
	Current input	A	44.3-40.1	45.0-40.7	53.7-48.6	52.8-47.7	62.8-56.8	59.3-53.6
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	215,000		243,000		250,000	
	*2	kW	63.0		71.2		73.3	
	(208-230)	Power input	kW	17.54		20.43		21.79
		Current input	A	54.0-48.9		63.0-56.9		67.2-60.7
	(Rated)		BTU / h	205,000		232,000		240,000
			kW	60.1		68.0		70.3
(208-230)	Power input	kW	15.45	16.69	18.22	19.61	19.96	20.40
	Current input	A	47.6-43.0	51.4-46.5	56.1-50.8	60.4-54.6	61.5-55.6	62.9-56.8
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~P96/1~48		P04~P96/2~50		P04~P96/2~50		
Sound pressure level (measured in anechoic room)	*3, 4	dB <A>	64.5/66.0		66.5/67.5		67.5/68.0	
Sound power level (measured in anechoic room)	*3	dB <A>	83.5/85.0		85.5/86.5		86.5/87.0	
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		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity	A	66-60		73-67		82-75		
Maximum Overcurrent Protection	A	110-100		125-110		125-125		
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		
*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	-		-		-	
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, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Nominal Heating and Cooling 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 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-A(-BS)



► Specifications

Outdoor Model		PURY-EP192TSNU-A (-BS)		PURY-EP216TSNU-A (-BS)		PURY-EP240TSNU-A (-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	192,000		216,000		240,000			
		kW	56.3		63.3		70.3			
	(208-230)	Power input	13.60		16.06		19.17			
		Current input	41.9-37.9		49.5-44.7		59.1-53.4			
	(Rated)	BTU / h	183,000		206,000		228,000			
		kW	53.6		60.4		66.8			
	(208-230)	Power input	12.35	12.83	14.61	15.12	17.92	17.58		
		Current input	38.0-34.4	39.5-35.7	45.0-40.7	46.6-42.1	55.2-49.9	54.2-49.0		
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	215,000		243,000		270,000			
		kW	63.0		71.2		79.1			
	(208-230)	Power input	16.02		18.67		22.03			
		Current input	49.4-44.6		57.5-52.0		67.9-61.4			
	(Rated)	BTU / h	205,000		232,000		258,000			
		kW	60.1		68.0		75.6			
	(208-230)	Power input	14.53	15.13	16.91	17.65	20.52	20.27		
		Current input	44.8-40.5	46.6-42.1	52.1-47.1	54.4-49.2	63.2-57.2	62.5-56.5		
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. -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				
	Model / Quantity	P04~P96/1~48				P04~P96/2~50				
Sound pressure level (measured in anechoic room)	*3	dB <A> 61.5/63.0		62.5/64.5		63.0/65.0				
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		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed				
Set Model										
Model		PURY-EP96TNU-A (-BS)		PURY-EP96TNU-A (-BS)		PURY-EP120TNU-A (-BS)		PURY-EP120TNU-A (-BS)		
Minimum Circuit Ampacity	A	31-29		31-29		41-38		41-38		
Maximum Overcurrent Protection	A	45-45		45-45		60-60		60-60		
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		8,300		7,400		8,300	
		m ³ / min	210		235		210		235	
		L / s	3,500		3,920		3,500		3,920	
	Control, Driving mechanism	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	5.5		5.5		7.6		7.6	
	Case heater	kW	-		-		-		-	
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 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) Fan motor	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection				
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)		
Net weight	lbs (kg)	613 (278)		613 (278)		622 (282)		613 (278)		
Heat exchanger		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		
	Low pressure	in. (mm) 7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		
Optional parts		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1				Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1				

Notes:

*1,*2 Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP264TSNU-A (-BS)		PURY-EP288TSNU-A (-BS)		PURY-EP312TSNU-A (-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		312,000					
		kW	77.4		84.4		91.4					
	(208-230)	Power input	21.86		24.83		27.98					
		Current input	67.4-60.9		76.5-69.2		86.2-78.0					
	(Rated)	BTU / h	251,000		274,000		297,000					
		kW	73.6		80.3		87.0					
	(208-230)	Power input	20.31	20.17	23.02	22.95	26.37	25.43				
		Current input	62.6-56.6	62.2-56.2	70.9-64.2	70.7-64.0	81.3-73.5	78.4-70.9				
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	295,000		323,000		350,000					
		kW	86.5		94.7		102.6					
	(208-230)	Power input	24.56		27.30		30.53					
		Current input	75.7-68.5		84.1-76.1		94.1-85.1					
	(Rated)	BTU / h	281,000		304,000		334,000					
		kW	82.4		89.1		97.9					
	(208-230)	Power input	22.69	22.79	25.07	25.47	28.32	28.21				
		Current input	69.9-63.2	70.2-63.5	77.3-69.9	78.5-71.0	87.3-78.9	87.0-78.6				
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	50~150% 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)	*3	dB <A> 66.5/67.5		68.0/68.5		67.0/69.0						
Sound power level (measured in anechoic room)	*3	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						
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-A (-BS)	PURY-EP120TNU-A (-BS)	PURY-EP144TNU-A (-BS)	PURY-EP144TNU-A (-BS)	PURY-EP168TNU-A (-BS)	PURY-EP144TNU-A (-BS)					
Minimum Circuit Ampacity	A	49-45	41-38	49-45	49-45	57-53	49-45					
Maximum Overcurrent Protection	A	80-70	60-60	80-70	80-70	90-80	80-70					
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2						
	Airflow rate	cfm	9,550	8,300	9,550	9,550	14,850	9,550				
		m ³ / min	270	235	270	270	420	270				
		L / s	4,500	3,920	4,500	4,500	7,000	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		0.92+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						
	Starting method	Inverter		Inverter		Inverter						
	Motor output	kW 9.8		7.6		9.8		12.2				
	Case heater	kW -		-		-		-				
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 68-15/16 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 1,750 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		Over-heat 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)	777 (352)	680 (308)					
Heat exchanger	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				
	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-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1				Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1				Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1			

Notes:

*1, *2 Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP336TSNU-A (-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
		Current input	A	96.9-87.6
	(Rated)		BTU / h	320,000
			kW	93.8
(208-230)	Power input	kW	30.12	
	Current input	A	92.8-84.0	
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
		Current input	A	103.4-93.5
	(Rated)		BTU / h	361,000
			kW	105.8
(208-230)	Power input	kW	31.39	
	Current input	A	96.8-87.5	
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 pressure level (measured in anechoic room)	*3	dB <A>	65.5/69.5	
Sound power level (measured in anechoic room)	*3	dB <A>	84.0/88.5	
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-A (-BS)		PURY-EP168TNU-A (-BS)		
Minimum Circuit Ampacity	A	57-53		57-53		
Maximum Overcurrent Protection	A	90-80		90-80		
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	-		-	
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-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)	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-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1				

Notes:

*1, *2 Heating and Cooling 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

R2-Series High efficiency (208-230V)

PURY-EP TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP384TSNU-A (-BS)		PURY-EP432TSNU-A (-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			
	(208-230)	Power input	kW	36.62	42.36		
		Current input	A	112.9-102.1	130.6-118.1		
	(Rated)	BTU / h	365,000	411,000			
		kW	107.0	120.5			
	(208-230)	Power input	kW	34.75	33.06	39.98	38.47
		Current input	A	107.1-96.9	101.9-92.2	123.3-111.5	118.6-107.2
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	430,000	480,000			
	*2	kW	126.0	140.7			
	(208-230)	Power input	kW	38.66	43.14		
		Current input	A	119.2-107.8	133.0-120.3		
	(Rated)	BTU / h	410,000	456,000			
		kW	120.2	133.6			
	(208-230)	Power input	kW	36.47	35.13	40.84	39.04
		Current input	A	112.4-101.7	108.3-97.9	125.9-113.9	120.4-108.8
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		50~150% of outdoor unit capacity			
		Model / Quantity		P04~P96/2~50			
Sound pressure level (measured in anechoic room) *3, 4		dB <A>	67.5/69.0		69.5/70.0		
Sound power level (measured in anechoic room) *3		dB <A>	86.5/89.0		88.5/89.0		
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-A (-BS)	PURY-EP192TNU-A (-BS)	PURY-EP216TNU-A (-BS)	PURY-EP216TNU-A (-BS)		
Minimum Circuit Ampacity		A	66-60	66-60	73-67	73-67	
Maximum Overcurrent Protection		A	110-100	110-100	125-110	125-110	
FAN	Type x Quantity	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)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1			
	Starting method		Inverter		Inverter		
	Motor output		kW	13.2	13.2	15.8	15.8
	Case heater		-		-		
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			
	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-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 205, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 205, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1,*2 Nominal Heating and Cooling 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 The sound pressure level shown above indicates A-weighted sound pressure level.

Although the sound pressure level in JIS has been changed to the sound power level (PWL), the value shown above indicates the sound pressure level measured by the conventional method 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 YNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP72YNU-A (-BS)		PURY-EP96YNU-A (-BS)		PURY-EP120YNU-A (-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	4.44	6.11	8.43		
		Current input	A	6.1	8.5	11.7		
	(Rated)		BTU / h	69,000	92,000	114,000		
			kW	20.2	27.0	33.4		
(460)	Power input	kW	3.96	4.26	7.70	7.91		
	Current input	A	5.5	5.9	7.7	8.0	10.7	
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	80,000	108,000	135,000			
	*2	kW	23.4	31.7	39.6			
	(460)	Power input	kW	5.43	7.40	9.89		
		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		
(460)	Power input	kW	4.77	5.28	6.72	6.98	8.95	
	Current input	A	6.6	7.3	9.3	9.7	12.4	
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~P96/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	*3	dB <A>	56.5/58.0		58.5/60.0		60.0/62.0	
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	10		14		19		
Maximum Overcurrent Protection	A	15		20		30		
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	-		-		-		
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-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 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-R201,202,203,301, 306S-G, CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201,202,203,301, 306S-G, CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201,202,203,301, 306S-G, CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		

Notes:

*1,*2 Heating and Cooling 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

R2-Series High efficiency (460V)

PURY-EP YNU-A(-BS)



► Specifications

Outdoor Model			PURY-EP144YNU-A (-BS)		PURY-EP168YNU-A (-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	42.2		49.2	
	(460)	Power input	11.03		13.99	
		Current input	15.3		19.5	
	(Rated)	BTU / h	137,000		161,000	
		kW	40.2		47.2	
(460)	Power input	10.04	10.38	12.92	12.98	
	Current input	14.0	14.4	18.0	18.1	
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	160,000		188,000	
		*2	46.9		55.1	
	(460)	Power input	12.34		15.17	
		Current input	17.2		21.1	
	(Rated)	BTU / h	152,000		179,000	
		kW	44.5		52.5	
(460)	Power input	11.08	11.76	13.32	14.77	
	Current input	15.4	16.4	18.5	20.5	
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 pressure level (measured in anechoic room)	*3	dB <A>	65.0/65.5		62.5/66.5	
Sound power level (measured in anechoic room)	*3	dB <A>	85.5/85.5		81.0/85.5	
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	22		26		
Maximum Overcurrent Protection	A	35		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	-		-	
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-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)		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1	

Notes:

*1,*2 Heating and Cooling 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

R2-Series High efficiency (460V)

PURY-EP YNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP192YNU-A (-BS)		PURY-EP216YNU-A (-BS)		PURY-EP240YNU-A (-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			
	(460)	Power input	kW	15.65	18.66	21.39		
		Current input	A	21.8	26.0	29.8		
	(Rated)		BTU / h	183,000	206,000	222,000		
			kW	53.6	60.4	65.1		
(460)	Power input	kW	14.38	14.60	17.43	17.13	20.38	
	Current input	A	20.0	20.3	24.3	23.8	28.4	
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	215,000	243,000	250,000			
	*2	kW	63.0	71.2	73.3			
	(460)	Power input	kW	17.54	20.43	21.79		
		Current input	A	24.4	28.4	30.3		
	(Rated)		BTU / h	205,000	232,000	240,000		
			kW	60.1	68.0	70.3		
(460)	Power input	kW	15.45	16.69	18.22	19.61	19.96	
	Current input	A	21.5	23.2	25.4	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	50~150% 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 pressure level (measured in anechoic room)	*3, 4	dB <A>	64.5/66.0		66.5/67.5		67.5/68.0	
Sound power level (measured in anechoic room)	*3	dB <A>	83.5/85.0		85.5/86.5		86.5/87.0	
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		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity	A	30		33		37		
Maximum Overcurrent Protection	A	50		50		60		
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	-		-		-	
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-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		

Notes:

*1,*2 Nominal Heating and Cooling 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 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-A(-BS)



► Specifications

Outdoor Model		PURY-EP192YSNU-A (-BS)		PURY-EP216YSNU-A (-BS)		PURY-EP240YSNU-A (-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				
	(460)	Power input	kW	56.3	63.3	70.3			
		Current input	A	13.60	16.06	19.17			
	(Rated)	(460)	Power input	BTU / h	183,000	206,000	228,000		
			Current input	kW	53.6	60.4	66.8		
		(460)	Power input	kW	12.35	12.83	14.61	15.12	17.92
Current input			A	17.2	17.8	20.3	21.0	24.9	24.5
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				
	(460)	Power input	kW	63.0	71.2	79.1			
		Current input	A	16.02	18.67	22.03			
	(Rated)	(460)	Power input	BTU / h	205,000	232,000	258,000		
			Current input	kW	60.1	68.0	75.6		
		(460)	Power input	kW	14.53	15.13	16.91	17.65	20.52
Current input			A	20.2	21.0	23.5	24.6	28.6	28.2
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	50~150% 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 pressure level (measured in anechoic room)	*3	dB <A>	61.5/63.0		62.5/64.5		63.0/65.0		
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		1-1/8 (28.58) Brazed		1-3/8 (34.93) Brazed		
Set Model									
Model		PURY-EP96YNU-A (-BS)	PURY-EP96YNU-A (-BS)	PURY-EP120YNU-A (-BS)	PURY-EP96YNU-A (-BS)	PURY-EP120YNU-A (-BS)	PURY-EP120YNU-A (-BS)		
Minimum Circuit Ampacity	A	14	14	19	14	19	19		
Maximum Overcurrent Protection	A	20	20	30	20	30	30		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	7,400	7,400	8,300	7,400	8,300	8,300	
		m ³ / min	210	210	235	210	235	235	
		L / s	3,500	3,500	3,920	3,500	3,920	3,920	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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	
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			
	Starting method	Inverter		Inverter		Inverter			
	Motor output	kW	5.5	5.5	7.6	5.5	7.6	7.6	
	Case heater	kW	-	-	-	-	-	-	
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>		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			
	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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x 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)	657 (298)	649 (294)	657 (298)	657 (298)	
Heat exchanger	Salt-resistant cross fin & aluminium tube		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		
	Low pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed		
Optional parts	Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		

Notes:

*1,*2 Heating and Cooling 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

R2-Series High efficiency (460V)

PURY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP264YSNU-A (-BS)		PURY-EP288YSNU-A (-BS)		PURY-EP312YSNU-A (-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		
	(460)	Power input	kW	21.86		24.83		27.98	
		Current input	A	30.4		34.6		39.0	
	(Rated)	BTU / h	251,000		274,000		297,000		
		kW	73.6		80.3		87.0		
(460)	Power input	kW	20.31	20.17	23.02	22.95	26.37	25.43	
	Current input	A	28.3	28.1	32.1	32.0	36.7	35.4	
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		
	(460)	Power input	kW	24.56		27.30		30.53	
		Current input	A	34.2		38.0		42.5	
	(Rated)	BTU / h	281,000		304,000		334,000		
		kW	82.4		89.1		97.9		
(460)	Power input	kW	22.69	22.79	25.07	25.47	28.32	28.21	
	Current input	A	31.6	31.7	34.9	35.5	39.4	39.3	
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~P96/2~50		P04~P96/2~50		P04~P96/2~50			
Sound pressure level (measured in anechoic room)	*3	dB <A>	66.5/67.5		68.0/68.5		67.0/69.0		
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-EP144YNU-A (-BS)	PURY-EP120YNU-A (-BS)	PURY-EP144YNU-A (-BS)	PURY-EP144YNU-A (-BS)	PURY-EP168YNU-A (-BS)	PURY-EP144YNU-A (-BS)		
Minimum Circuit Ampacity	A	22	19	22	22	26	22		
Maximum Overcurrent Protection	A	35	30	35	35	40	35		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	9,550	8,300	9,550	9,550	14,850	9,550	
		m ³ / min	270	235	270	270	420	270	
		L / s	4,500	3,920	4,500	4,500	7,000	4,500	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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	0.92+0.92	0.46+0.46	
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			
	Motor output	kW	9.8	7.6	9.8	9.8	12.2	9.8	
	Case heater	kW	-	-	-	-	-	-	
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>		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 68-15/16 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 1,750 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 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)	715 (324)	657 (298)	715 (324)	715 (324)	807 (366)	715 (324)		
Heat exchanger	Salt-resistant cross fin & aluminium tube		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		
	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		
Optional parts	Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1		Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1		Sub BC controller: CMB-P104,108NU-KB1		Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1			
		Sub BC controller: CMB-P104,108NU-KB1		Sub BC controller: CMB-P104,108NU-KB1		Sub BC controller: CMB-P104,108NU-KB1			

Notes:

*1,*2 Heating and Cooling 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

R2-Series High efficiency (460V)

PURY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP336YSNU-A (-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	31.43	
		Current input	A	43.8	
	(Rated)		BTU / h	320,000	
			kW	93.8	
(460)	Power input	kW	30.12	28.08	
	Current input	A	42.0	39.1	
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	33.55	
		Current input	A	46.7	
	(Rated)		BTU / h	361,000	
			kW	105.8	
(460)	Power input	kW	31.39	30.73	
	Current input	A	43.7	42.8	
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 pressure level (measured in anechoic room)	*3	dB <A>	65.5/69.5		
Sound power level (measured in anechoic room)	*3	dB <A>	84.0/88.5		
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-A (-BS)	PURY-EP168YNU-A (-BS)	
Minimum Circuit Ampacity	A	26	26	
Maximum Overcurrent Protection	A	40	40	
FAN	Type x Quantity	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		
	*4	Motor output	kW	0.92+0.92
	External static press.	0 in.WG (0 Pa)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		
	Motor output	kW	12.2	12.2
	Case heater	kW	-	-
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)		
	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)	807 (366)	807 (366)	
Heat exchanger		Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	
Optional parts		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Heating and Cooling 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

R2-Series High efficiency (460V)

PURY-EP YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-EP384YSNU-A (-BS)		PURY-EP432YSNU-A (-BS)	
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted
Power source		3-phase 3-wire 460 V ±10% 60 Hz			
Cooling capacity (Nominal)		384,000		432,000	
(460)	*1 BTU / h	384,000		432,000	
	*1 kW	112.5		126.6	
	Power input kW	36.62		42.36	
	Current input A	51.0		59.0	
(Rated)	BTU / h	365,000		411,000	
	kW	107.0		120.5	
	Power input kW	34.75	33.06	39.98	38.47
	Current input A	48.4	46.1	55.7	53.6
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	
	Current input A	53.9		60.1	
(Rated)	BTU / h	410,000		456,000	
	kW	120.2		133.6	
	Power input kW	36.47	35.13	40.84	39.04
	Current input A	50.8	48.9	56.9	54.4
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 pressure level (measured in anechoic room) *3, 4	dB <A>	67.5/69.0		69.5/70.0	
Sound power level (measured in anechoic room) *3	dB <A>	86.5/89.0		88.5/89.0	
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-A (-BS)	PURY-EP192YNU-A (-BS)	PURY-EP216YNU-A (-BS)	PURY-EP216YNU-A (-BS)	
Minimum Circuit Ampacity	A	30	30	33	33	
Maximum Overcurrent Protection	A	50	50	50	50	
FAN	Type x Quantity	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		
	*5 Motor output	kW 0.92+0.92		0.92+0.92		
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 13.2		15.8		
	Case heater	kW -		-		
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		
	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		
	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-Y202S-G2, CMY-R160-J1, CMY-R201.202.203.204.205.306S-G, CMY-R302.303.304.305S-G1 Main BC controller: CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201.202.203.204.205.306S-G, CMY-R302.303.304.305S-G1 Main BC controller: CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		

Notes:

*1,*2 Nominal Heating and Cooling 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 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-A(-BS)



► Specifications

Outdoor Model		PURY-P72TNU-A (-BS)		PURY-P96TNU-A (-BS)		PURY-P120TNU-A (-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		
		Current input	A	14.2-12.8	20.0-18.1	27.2-24.6		
	(Rated)		BTU / h	69,000	92,000	114,000		
			kW	20.2	27.0	33.4		
(208-230)	Power input	kW	4.17	4.38	5.80	6.23	8.04	
	Current input	A	12.8-11.6	13.5-12.2	17.8-16.1	19.2-17.3	24.7-22.4	
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		
		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		
(208-230)	Power input	kW	5.12	5.36	6.93	7.10	9.01	
	Current input	A	15.7-14.2	16.5-14.9	21.3-19.3	21.8-19.8	27.7-25.1	
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~P96/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	*4	dB <A>	56.5/58.0		58.5/60.0		60.0/62.0	
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	24-22		33-30		43-40		
Maximum Overcurrent Protection	A	40-35		50-45		70-60		
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	-		-		-	
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-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 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-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 303, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Heating and Cooling 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 R2-Series Standard (208-230V) PURY-P TNU-A(-BS)



► Specifications

Outdoor Model		PURY-P144TNU-A (-BS)		PURY-P168TNU-A (-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	
	*1	kW		42.2	
(208-230)	Power input	kW		11.74	
	Current input	A		36.2-32.7	
(Rated)		BTU / h		137,000	
		kW		40.2	
(208-230)	Power input	kW		10.60	
	Current input	A		32.6-29.5	
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		160,000	
	*2	kW		46.9	
(208-230)	Power input	kW		12.49	
	Current input	A		38.5-34.8	
(Rated)		BTU / h		152,000	
		kW		44.5	
(208-230)	Power input	kW		11.14	
	Current input	A		34.3-31.0	
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~P96/1~36	
Sound pressure level (measured in anechoic room)	*4	dB <A>		65.0/65.5	
Sound power level (measured in anechoic room)	*4	dB <A>		85.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)		7/8 (22.2) Brazed	
	Low pressure	in. (mm)		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity	A			52-48	
Maximum Overcurrent Protection	A			80-70	
FAN	Type x Quantity			Propeller fan x 2	
	Airflow rate	cfm		9,550	
m ³ / min		270			
Control, Driving mechanism	L / s		4,500		
			Inverter-control, Brushless DC motor		
Motor output	kW		0.46+0.46		
			0.92+0.92		
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	
Motor output	kW		9.9		
			12.2		
Case heater	kW		-		
			-		
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		
	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		
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		
	Net weight		646 (293)		
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1	

Notes:

*1, *2 Heating and Cooling 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

R2-Series Standard (208-230V)

PURY-P TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P192TSNU-A (-BS)		PURY-P216TSNU-A (-BS)		PURY-P240TSNU-A (-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	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	183,000		206,000		228,000			
	(Rated) kW	53.6		60.4		66.8			
(208-230) Power input kW		12.93	13.80	15.20	15.99	18.72	18.45		
	(208-230) Current input A	39.8-36.0	42.5-38.4	46.8-42.3	49.3-44.5	57.7-52.2	56.9-51.4		
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	215,000		243,000		270,000			
	*2 kW	63.0		71.2		79.1			
	(208-230) 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	205,000		232,000		258,000			
	(Rated) kW	60.1		68.0		75.6			
(208-230) Power input kW		14.96	15.40	17.23	18.04	20.64	20.92		
	(208-230) Current input A	46.1-41.7	47.4-42.9	53.1-48.0	55.6-50.3	63.6-57.5	64.5-58.3		
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 pressure level (measured in anechoic room)	*4 dB <A>	61.5/63.0		62.5/64.5		63.0/65.0			
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-A (-BS)	PURY-P96TNU-A (-BS)	PURY-P120TNU-A (-BS)	PURY-P96TNU-A (-BS)	PURY-P120TNU-A (-BS)	PURY-P120TNU-A (-BS)		
Minimum Circuit Ampacity	A	33-30	33-30	43-40	33-30	43-40	43-40		
Maximum Overcurrent Protection	A	50-45	50-45	70-60	50-45	70-60	70-60		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	7,400	7,400	8,300	7,400	8,300	8,300	
		m ³ / min	210	210	235	210	235	235	
		L / s	3,500	3,500	3,920	3,500	3,920	3,920	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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			
	Starting method	Inverter		Inverter		Inverter			
	Motor output	kW	5.6	5.6	7.8	5.6	7.8	7.8	
	Case heater	kW	-	-	-	-	-	-	
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	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8	71-5/8 x 48-7/8		
	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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x 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)	598 (271)	576 (261)	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	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-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 306S-G, CMY-R302, 303, 304, 305S-G1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1,*2 Heating and Cooling 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

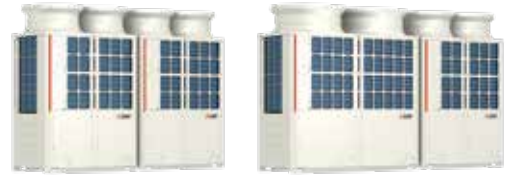
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT

R2-Series Standard (208-230V)

PURY-P TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P264TSNU-A (-BS)		PURY-P288TSNU-A (-BS)		PURY-P312TSNU-A (-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		312,000					
		kW	77.4		84.4		91.4					
	(208-230)	Power input	23.14		26.47		29.80					
		Current input	71.3-64.5		81.6-73.8		91.9-83.1					
	(Rated)	BTU / h	251,000		274,000		297,000					
		kW	73.6		80.3		87.0					
	(208-230)	Power input	21.43	21.41	24.33	24.68	28.09	27.08				
		Current input	66.0-59.7		75.0-67.8		86.6-78.3		83.5-75.5			
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					
		kW	86.5		94.7		102.6					
	(208-230)	Power input	24.99		27.65		30.75					
		Current input	77.0-69.7		85.2-77.1		94.8-85.7					
	(Rated)	BTU / h	281,000		304,000		334,000					
		kW	82.4		89.1		97.9					
	(208-230)	Power input	22.89	23.38	25.22	25.98	28.34	28.59				
		Current input	70.5-63.8		77.7-70.3		80.1-72.4		87.4-79.0			
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						
	Model / Quantity	P04~P96/2~50				P04~P96/2~50						
Sound pressure level (measured in anechoic room)	*4	dB <A> 66.5/67.5		68.0/68.5		67.0/69.0						
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						
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-P144TNU-A (-BS)	PURY-P120TNU-A (-BS)	PURY-P144TNU-A (-BS)	PURY-P144TNU-A (-BS)	PURY-P168TNU-A (-BS)	PURY-P144TNU-A (-BS)					
Minimum Circuit Ampacity	A	52-48	43-40	52-48	52-48	61-57	52-48					
Maximum Overcurrent Protection	A	80-70	70-60	80-70	80-70	100-90	80-70					
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2						
	Airflow rate	cfm	9,550	8,300	9,550	9,550	14,850	9,550				
		m ³ / min	270	235	270	270	420	270				
		L / s	4,500	3,920	4,500	4,500	7,000	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		0.92+0.92		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)					
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 9.9		7.8		9.9		12.2				
	Case heater	kW -		-		-		-				
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 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 23 lbs + 12 oz (10.8 kg) 646 (293)		R410A x 17 lbs + 10 oz (8.0 kg) 598 (271)		R410A x 23 lbs + 12 oz (10.8 kg) 646 (293)		R410A x 23 lbs + 12 oz (10.8 kg) 646 (293)				
Net weight	lbs (kg)	646 (293)		598 (271)		739 (335)		646 (293)				
Heat exchanger	Salt-resistant cross fin & copper 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				
	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-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1				Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,205,306S-G, CMY-R302,303,304,305S-G1				Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1		CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1		CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1		CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1				
Sub BC controller:		CMB-P104,108NU-KB1		CMB-P104,108NU-KB1		CMB-P104,108NU-KB1		CMB-P104,108NU-KB1				

Notes:

*1,*2 Heating and Cooling 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 R2-Series Standard (208-230V) PURY-P TSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P336TSNU-A (-BS)	
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU / h	
	*1	336,000	
(208-230) (Rated)	Power input	kW	
	Current input	A	
	Power input	kW	
	Current input	A	
Temp. range of cooling	Indoor	W.B.	
	Outdoor	D.B.	
Heating capacity (Nominal)	*2	BTU / h	
	*2	378,000	
(208-230) (Rated)	Power input	kW	
	Current input	A	
	Power input	kW	
	Current input	A	
Temp. range of heating	Indoor	D.B.	
	Outdoor	W.B.	
Indoor unit connectable		Total capacity	
Model / Quantity		50~150% of outdoor unit capacity	
Sound pressure level (measured in anechoic room)		*4	
Sound power level (measured in anechoic room)		*4	
Refrigerant piping diameter		High pressure in. (mm)	
		Low pressure in. (mm)	

Set Model		PURY-P168TNU-A (-BS)		PURY-P168TNU-A (-BS)	
Minimum Circuit Ampacity		A		A	
Maximum Overcurrent Protection		A		A	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm		cfm	
		m ³ / min		m ³ / min	
		L / s		L / s	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
*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		kW	
	Case heater	kW		kW	
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. mm		in. mm	
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)	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)		in. (mm)	
	Low pressure	in. (mm)		in. (mm)	
Optional parts		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Heating and Cooling 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 R2-Series Standard (460V) PURY-P YNU-A(-BS)



► Specifications

Outdoor Model		PURY-P72YNU-A (-BS)		PURY-P96YNU-A (-BS)		PURY-P120YNU-A (-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		
		Current input	A	6.4	9.0	12.3		
	(Rated)		BTU / h	69,000	92,000	114,000		
			kW	20.2	27.0	33.4		
(460)	Power input	kW	4.17	4.38	5.80	6.23	8.04	8.29
	Current input	A	5.8	6.1	8.0	8.6	11.2	11.5
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			
	(460)	Power input	kW	5.66	7.58	10.07		
		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	7.10	9.01	9.63
Current input	A	7.1	7.4	9.6	9.9	12.5	13.4	
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~P96/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	*4	dB <A>	56.5/58.0		58.5/60.0		60.0/62.0	
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	11		15		18		
Maximum Overcurrent Protection	A	15		20		25		
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	-		-		-	
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-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 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-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Heating and Cooling 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

R2-Series Standard (460V)

PURY-P YNU-A(-BS)



► Specifications

Outdoor Model		PURY-P144YNU-A (-BS)		PURY-P168YNU-A (-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		
	(460)	Power input	kW	11.74	14.99	
		Current input	A	16.3	20.9	
	(Rated)		BTU / h	137,000	161,000	
			kW	40.2	47.2	
(460)	Power input	kW	10.60	11.13	13.96	13.79
	Current input	A	14.7	15.5	19.4	19.2
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	160,000	188,000		
	*2	kW	46.9	55.1		
	(460)	Power input	kW	12.49	15.16	
		Current input	A	17.4	21.1	
	(Rated)		BTU / h	152,000	179,000	
			kW	44.5	52.5	
(460)	Power input	kW	11.14	11.98	13.32	14.77
	Current input	A	15.5	16.7	18.5	20.5
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 pressure level (measured in anechoic room)	*4	dB <A>	65.0/65.5		62.5/66.5	
Sound power level (measured in anechoic room)	*4	dB <A>	85.5/85.5		81.0/85.5	
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	20		28		
Maximum Overcurrent Protection	A	30		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	
*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	-		-	
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-heat protection, Over-current protection		Over-heat protection, Over-current protection		
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Heating and Cooling 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 R2-Series Standard (460V) PURY-P YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P192YSNU-A (-BS)		PURY-P216YSNU-A (-BS)		PURY-P240YSNU-A (-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				
	(460)	Power input	kW	14.44	16.85	20.08			
		Current input	A	20.1	23.4	28.0			
	(Rated)		BTU / h	183,000	206,000	228,000			
			kW	53.6	60.4	66.8			
(460)	Power input	kW	12.93	13.80	15.20	15.99	18.72	18.45	
	Current input	A	18.0	19.2	21.1	22.2	26.1	25.7	
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	215,000	243,000	270,000				
	*2	kW	63.0	71.2	79.1				
	(460)	Power input	kW	16.40	19.05	22.45			
		Current input	A	22.8	26.5	31.3			
	(Rated)		BTU / h	205,000	232,000	258,000			
			kW	60.1	68.0	75.6			
(460)	Power input	kW	14.96	15.40	17.23	18.04	20.64	20.92	
	Current input	A	20.8	21.4	24.0	25.1	28.7	29.1	
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 pressure level (measured in anechoic room)	*4	dB <A>	61.5/63.0		62.5/64.5		63.0/65.0		
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-A (-BS)	PURY-P96YNU-A (-BS)	PURY-P120YNU-A (-BS)	PURY-P96YNU-A (-BS)	PURY-P120YNU-A (-BS)	PURY-P120YNU-A (-BS)		
Minimum Circuit Ampacity	A	15	15	18	15	18	18		
Maximum Overcurrent Protection	A	20	20	25	20	25	25		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	7,400	7,400	8,300	7,400	8,300	8,300	
		m ³ / min	210	210	235	210	235	235	
		L / s	3,500	3,500	3,920	3,500	3,920	3,920	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	*5	Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	0.46+0.46	
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			
	Starting method	Inverter		Inverter		Inverter			
	Motor output	kW	5.6	5.6	7.8	5.6	7.8	7.8	
	Case heater	kW	-	-	-	-	-	-	
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>		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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x 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)		633 (287)		633 (287)			
Heat exchanger	Salt-resistant cross fin & copper tube		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		
	Low pressure	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		
Optional parts	Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		Outdoor Twinning kit: CMY-R200NCBK joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-Y202S-G2,CMY-R160-J1, CMY-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1		

Notes:

*1,*2 Heating and Cooling 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

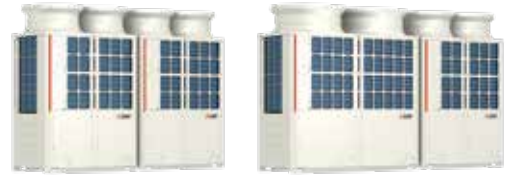
*5 External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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

OUTDOOR UNIT

R2-Series Standard (460V)

PURY-P YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P264YSNU-A (-BS)		PURY-P288YSNU-A (-BS)		PURY-P312YSNU-A (-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			
	(460)	Power input	kW	23.14	26.47	29.80		
		Current input	A	32.2	36.9	41.5		
	(Rated)		BTU / h	251,000	274,000	297,000		
			kW	73.6	80.3	87.0		
(460)	Power input	kW	21.43	21.41	24.33	24.68	28.09	27.08
	Current input	A	29.8	29.8	33.9	34.4	39.1	37.7
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			
	(460)	Power input	kW	24.99	27.65	30.75		
		Current input	A	34.8	38.5	42.8		
	(Rated)		BTU / h	281,000	304,000	334,000		
			kW	82.4	89.1	97.9		
(460)	Power input	kW	22.89	23.38	25.22	25.98	28.34	28.59
	Current input	A	31.9	32.6	35.1	36.2	39.5	39.8
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~P96/2~50		P04~P96/2~50		P04~P96/2~50		
Sound pressure level (measured in anechoic room)	*4	dB <A>	66.5/67.5		68.0/68.5		67.0/69.0	
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-P144YNU-A (-BS)	PURY-P120YNU-A (-BS)	PURY-P144YNU-A (-BS)	PURY-P144YNU-A (-BS)	PURY-P168YNU-A (-BS)	PURY-P144YNU-A (-BS)		
Minimum Circuit Ampacity	A	20	18	20	20	28	20		
Maximum Overcurrent Protection	A	30	25	30	30	40	30		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	9,550	8,300	9,550	9,550	14,850	9,550	
		m ³ / min	270	235	270	270	420	270	
		L / s	4,500	3,920	4,500	4,500	7,000	4,500	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		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	0.92+0.92	0.46+0.46	
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	9.9	7.8	9.9	9.9	12.2	9.9	
	Case heater	kW	-	-	-	-	-	-	
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 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			
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) Fan motor	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x 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)	682 (309)	633 (287)	682 (309)	682 (309)	774 (351)	682 (309)	
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)	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		
	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		
Optional parts		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1			

Notes:

*1, *2 Heating and Cooling 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 R2-Series Standard (460V) PURY-P YSNU-A(-BS)



► Specifications

Outdoor Model		PURY-P336YSNU-A (-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	
	Current input A	47.0	
(Rated)	BTU / h	320,000	
	kW	93.8	
(460)	Power input kW	32.58	29.93
	Current input A	45.4	41.7
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	
	Current input A	46.9	
(Rated)	BTU / h	361,000	
	kW	105.8	
(460)	Power input kW	31.39	30.94
	Current input A	43.7	43.1
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 pressure level (measured in anechoic room)	*4 dB <A>	65.5/69.5	
Sound power level (measured in anechoic room)	*4 dB <A>	84.0/88.5	
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-A (-BS)	PURY-P168YNU-A (-BS)	
Minimum Circuit Ampacity	A	28	28	
Maximum Overcurrent Protection	A	40	40	
FAN	Type x Quantity	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		
*5 Motor output kW	0.92+0.92			
External static press.	0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		
	Motor output kW	12.2		
	Case heater kW	-		
External finish	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)		
	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)	774 (351)		
Heat exchanger		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	High pressure in. (mm)	7/8 (22.2) Brazed		
	Low pressure in. (mm)	1-1/8 (28.58) Brazed		
Optional parts		Outdoor Twinning kit: CMY-R300NCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1		

Notes:

*1, *2 Heating and Cooling 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.