

1. SPECIFICATIONS

Outdoor units

Model		PURY-P550YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	63.0		
	kcal/h	54,200		
	BTU/h	215,000		
	Power input kW	14.45		
	Current input A	24.3-23.1-22.3		
	EER	4.35		
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2 kW	69.0		
	kcal/h	59,300		
	BTU/h	235,400		
	Power input kW	14.70		
	Current input A	24.8-23.5-22.7		
	COP	4.69		
	(Nominal)	*3 kW	63.0	
		kcal/h	54,200	
BTU/h		215,000		
Power input kW		13.01		
	Current input A	21.9-20.8-20.1		
	COP	4.84		
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		
	Model/Quantity	P15~P250/2~50		
Sound pressure level (measured in anechoic room) *4	dB <A>	64.0/68.0		
Sound power level (measured in anechoic room) *4	dB <A>	82.5/87.5		
Refrigerant piping diameter	High pressure	mm (in.) 22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		
	Low pressure	mm (in.) 28.58 (1-1/8) Brazed		

Set Model

Model		PURY-P250YNW-A (-BS)		PURY-P300YNW-A (-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		240	
		L/s	3,083		4,000	
		cfm	6,532		8,474	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.92 x 1		0.92 x 1	
*5 External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Manufacture	AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter		Inverter		
	Motor output	kW	7.0		7.9	
	Case heater	kW	-		-	
	Lubricant	MEL32		MEL32		
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension H x W x D		mm	1,858 (1,798 without legs) x 920 x 740		1,858 (1,798 without legs) x 920 x 740	
		in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16		73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	-		-		
	Fan motor	-		-		
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)		R410A x 5.2 kg (12 lbs)		
	Control	Indoor LEV and BC controller				
Net weight	kg (lbs)	229 (505)		231 (510)		
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)		-		-		
Pipe between unit and distributor	High pressure	mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed	
	Low pressure	mm (in.)	22.2 (7/8) Brazed		22.2 (7/8) Brazed	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)				
Drawing	External	WKS94T751				
	Wiring	WKE94G339		WKE94G339		
Standard attachment	Document	Installation Manual				
	Accessory	-				
Optional parts		Outdoor Twinning kit: CMY-R100VBK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB				
Remarks		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. When the high pressure piping length is 65 m or less, use 7/8 (22.2) pipe. When the high pressure piping length exceeds 65 m, use 7/8 (22.2) pipe until 65 m, use 1-1/8 (28.58) pipe for the part that exceeds 65 m.				

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
- Cooling mode/Heating mode
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.