

1. SPECIFICATIONS

Model			PUHY-P312YSHMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	312,000		
		kW	91.4		
	(460)	Power input	kW	26.25	
		Current input	A	36.6	
Temp. range of cooling	Indoor	W.B.	59 to 75degF(15 to 24degC)		
	Outdoor	D.B.	23 to 109degF(-5 to 43degC)		
Heating capacity (Nominal)	*2	BTU / h	320,000		
		kW	93.8		
	(460)	Power input	kW	24.92	
		Current input	A	34.7	
Temp. range of heating	Indoor	D.B.	59 to 81degF(15 to 27degC)		
	Outdoor	W.B.	-4 to 60degF(-20 to 15.5degC)		
Indoor unit connectable	Total capacity		50 to 130 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 2 to 50		
Sound pressure level (measured in anechoic room)			dB <A>		
Refrigerant			Liquid pipe in. (mm) 3/4"(19.05) Brazed		
piping diameter			Gas pipe in. (mm) 1-3/8"(34.93) Brazed		

Set Model			PUHY-P72YHMU-A(-BS)	PUHY-P120YHMU-A(-BS)	PUHY-P120YHMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950	
		m ³ / min	200		225	
		L/s	3,330		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output		kW 0.92		0.92	
*3 External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output		kW 5.1		8.8	
	Case heater		kW 0.051(230 V)		0.057(230 V)	
	Lubricant		MEL32		MEL32	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D			in. 64-31/32" x 36-1/4" x 29-15/16"		64-31/32" x 48-1/16" x 29-15/16"	
			mm 1,650 x 920 x 760		1,650 x 1,220 x 760	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	474(215)		574(260)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe,tube-in-tube structure		Copper pipe,tube-in-tube structure	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L660			
	Wiring		WKE94C211X01		WKE94C211X01	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y300VBK2 joint: CMY-Y102S/L-G2,CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor : 80degF D.B./ 67degF W.B. (26.7degC D.B./ 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	
	Outdoor : 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B./ 6.1degC W.B.)	BTU/h =kW x 3,412
	Pipe length : 25ft.(7.6m)	25ft.(7.6m)	cfm =m ³ /min x 35.31
	Level difference : 0ft.(0m)	0ft.(0m)	lb =kg / 0.4536
* Due to continuing improvement, above specifications may be subject to change without notice.			*Above specification data is subject to rounding variation.
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			