

1. SPECIFICATIONS

Model			PUHY-P312TSHMU-A(-BS)	
Power source			3-phase 3-wire 208-230V ±10% 60Hz	
Cooling capacity (Nominal) (208-230)	*1	BTU / h	312,000	
	*1	kW	91.4	
		Power input	kW	26.25
		Current input	A	80.9-73.2
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) (208-230)	*2	BTU / h	320,000	
	*2	kW	93.8	
		Power input	kW	24.92
		Current input	A	76.8-69.5
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>	
			64.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4"(19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed	

Set Model			PUHY-P72THMU-A(-BS)		PUHY-P120THMU-A(-BS)		PUHY-P120THMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,950		7,950	
		m ³ / min	200		225		225	
		L/s	3,330		3,750		3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92		0.92		0.92	
*3 External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter		Inverter	
	Motor output	kW	5.1		8.8		8.8	
	Case heater	kW	0.051(230 V)		0.057(230 V)		0.057(230 V)	
	Lubricant		MEL32		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>		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" 1,650 x 920 x 760		64-31/32" x 48-1/16" x 29-15/16" 1,650 x 1,220 x 760		64-31/32" x 48-1/16" x 29-15/16" 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)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Compressor / Fan		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch		Over-heat protection / Thermal switch	
	Inverter		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 19 lbs + 13 oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)		R410A x 25 lbs + 6 oz (11.5kg)	
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)	441(200)		541(245)		541(245)	
Heat exchanger			Salt-resistant cross fin & copper tube		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		Copper pipe, tube-in-tube structure	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8"(9.52)Brazed		1/2"(12.7)Brazed		1/2"(12.7)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		KB94L652		KB94L652		KB94L652	
	Wiring		WKE94C207X01		WKE94C208X01		WKE94C208X01	
	Refrigerant cycle		-		-		-	
Standard attachment	Document		Installation Manual		Installation Manual		Installation Manual	
	Accessory		Refrigerant conn. Pipe		Refrigerant conn. Pipe		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		Outdoor Twinning kit: CMY-Y300VBK2 joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		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.		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		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.) Outdoor : 95degF D.B. (35degC D.B.) Pipe length : 25ft.(7.6m) Level difference : 0ft.(0m)	70degF D.B. (21.1degC D.B.) 47degF D.B. / 43degF W.B. (8.3degC D.B./ 6.1degC W.B.) 25ft.(7.6m) 0ft.(0m)	
* 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).			