

1. SPECIFICATIONS

Model			PUHY-P144TSHMU-A(-BS)	
Power source			3-phase 3-wire 208-230V ±10% 60Hz	
Cooling capacity (Nominal) (208-230)	*1	BTU / h	144,000	
	*1	kW	42.2	
		Power input kW	10.87	
		Current input A	33.5-30.3	
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	160,000	
	*2	kW	46.9	
		Power input kW	11.69	
		Current input A	36.0-32.6	
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 / 1 to 31	
Sound pressure level (measured in anechoic room)			dB <A> 61.0	
Refrigerant piping diameter	Liquid pipe	in. (mm)	1/2"(12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8"(28.58) Brazed	

Set Model

Model			PUHY-P72THMU-A(-BS)		PUHY-P72THMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	7,050		7,050	
		m ³ / min	200		200	
		L/s	3,330		3,330	
	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		5.1	
	Case heater	kW	0.051(230 V)		0.051(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" mm 1,650 x 920 x 760		in. 64-31/32" x 36-1/4" x 29-15/16" mm 1,650 x 920 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 19 lbs + 13 oz (9.0kg)	
	Control		LEV and HIC circuit			
Net weight			lbs (kg) 441(200)		441(200)	
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		3/8"(9.52)Brazed	
	Gas pipe	in. (mm)	3/4"(19.05)Brazed		3/4"(19.05)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		KB94L644			
	Wiring		WKE94C207X01		WKE94C207X01	
	Refrigerant cycle					
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. Pipe			
Optional parts			Outdoor Twinning kit: CMY-Y100VBK2 joint: CMY-Y102S/L-G2, CMY-Y202-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.)		kcal =kW x 860
	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).				