

1. SPECIFICATIONS

Model			PUHY-P144YSHMU-A(-BS)	
Power source	3-phase 3-wire 460V ±10% 60Hz			
Cooling capacity (Nominal)	*1	BTU / h	144,000	
	*1	kW	42.2	
	(460)	Power input	kW	10.87
	(460)	Current input	A	15.1
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	160,000	
	*2	kW	46.9	
	(460)	Power input	kW	11.69
	(460)	Current input	A	16.3
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-P72YHMU-A(-BS)		PUHY-P72YHMU-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"		64-31/32" x 36-1/4" x 29-15/16"		
		mm	1,650 x 920 x 760		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)		474(215)		474(215)		
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		KB94L656				
	Wiring		WKE94C211X01		WKE94C211X01		
	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).						