

# 1. SPECIFICATIONS

DATA U4

Model			PUHY-P288YSHMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	288,000		
		kW	84.4		
	(460)	Power input	kW	24.52	
		Current input	A	34.1	
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	308,000		
		kW	90.3		
	(460)	Power input	kW	24.27	
		Current input	A	33.8	
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>	63.5		
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4"(19.05) Brazed		
	Gas pipe	in. (mm)	1-3/8"(34.93) Brazed		

## Set Model

Model			PUHY-P72YHMU-A(-BS)		PUHY-P96YHMU-A(-BS)		PUHY-P120YHMU-A(-BS)		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Airflow rate	cfm	7,050		7,050		7,950		
		m <sup>3</sup> / min	200		200		225		
		L/s	3,330		3,330		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		6.8		8.8	
	Case heater		kW	0.051(230 V)		0.051(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" 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		in. 64-31/32" x 48-1/16" x 29-15/16" mm 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 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)		474(215)		574(260)		
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		3/8"(9.52)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)						
Drawing	External		KB94L659						
	Wiring		WKE94C211X01		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.)		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 <sup>3</sup> /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).				