

# 1. SPECIFICATIONS

Model			PURY-P168YSHMU-A(-BS)		
Power source			3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	168,000		
		kW	49.2		
	(460)	Power input	kW		14.19
		Current input	A		19.7
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	188,000		
		kW	55.1		
	(460)	Power input	kW		15.14
		Current input	A		21.1
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 150 % of outdoor unit capacity		
	Model / Quantity		P06 to P96 / 1 to 42		
Sound pressure level (measured in anechoic room)			dB <A>		61.0
Refrigerant piping diameter	High pressure		in.(mm)		7/8"(22.2) Brazed
	Low pressure		in.(mm)		1-1/8"(28.58) Brazed

**Set Model**

Model			PURY-P72YHMU-A(-BS)		PURY-P96YHMU-A(-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,550		7,750	
		m <sup>3</sup> / min	185		220	
		L/s	3,080		3,670	
	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	4.4		7.0	
	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>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
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 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)	
	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 23 lbs + 2 oz (10.5kg)		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		552(250)      618(280)	
Heat exchanger			Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)			-			
Pipe between unit and distributor	High pressure	in.(mm)	5/8"(15.88)Brazed		3/4"(19.05)Brazed	
	Low pressure	in.(mm)	3/4"(19.05)Brazed		7/8"(22.2)Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKB94L671			
	Wiring		WKE94C212		WKE94C212	
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual			
	Accessory		Details refer to External Drw			
Optional parts			Outdoor Twinning kit: CMY-R100VBK joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160J Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller: CMB-P104, 108NU-GB, CMB-P1016NU-HB			
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s. The outdoor twinning kit(low pressure) should be connected to the low pressure side of the outdoor unit. If the connected units are of different capacities, the outdoor twinning kit(low pressure) should be installed in the unit with the largest capacity.			

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/ =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
*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).			*Above specification data is subject to rounding variation.	
* Due to continuing improvement, above specifications may be subject to change without notice.				