

# 1. SPECIFICATIONS

DATA U4

Model		PURY-P120YHMU-A(-BS)		
Power source		3-phase 3-wire 460V ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	120,000	
	*1	kW	35.2	
	(460)	Power input	kW	10.59
	(460)	Current input	A	14.7
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	120,000	
	*2	kW	35.2	
	(460)	Power input	kW	10.16
	(460)	Current input	A	14.1
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 30	
Sound pressure level (measured in anechoic room)		dB <A>	60.0	
Refrigerant piping diameter	High pressure	in. (mm)	3/4"(19.05) Brazed	
	Low pressure	in. (mm)	1-1/8"(28.58) Brazed	
FAN	Type x Quantity		Propeller fan x 1	
	Airflow rate	cfm	7,950	
		m <sup>3</sup> / min	225	
		L/s	3,750	
	Control , Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92	
	*3 External static press.		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	8.1	
	Case heater	kW	0.057(230 V)	
	Lubricant		MEL32	
External finish		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 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)	
	Compressor / Fan		Over-heat protection / Thermal switch	
	Inverter		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	618(280)	
Heat exchanger		Salt-resistant cross fin & copper tube		
HIC circuit (HIC: Heat Inter-Changer)		-		
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKB94L668	
	Wiring		WKE94C212	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw	
Optional parts		joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G 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.		

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)	
*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.			