

# 1. SPECIFICATIONS

DATA G4

Model	PURY-P300YHM-A(-BS)		PURY-P350YHM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	33.5	40.0
	*1	kcal / h	28,800	34,400
	*1	Btu / h	114,300	136,500
	*2	kcal / h	30,000	35,000
	Power input	kW	9.25	12.47
Current input	A	15.6-14.8-14.2	21.0-19.9-19.2	
	COP	kW / kW	3.62	3.20
Temp. range of cooling *4	Indoor	W.B.	15 to 24degC(59 to 75degF)	
	Outdoor	D.B.	-5 to 43degC(23 to 109degF)	
Heating capacity (Nominal)	*3	kW	37.5	45.0
	*3	kcal / h	32,300	38,700
	*3	Btu / h	128,000	153,500
	Power input	kW	9.58	12.47
	Current input	A	16.1-15.3-14.8	21.0-19.9-19.2
COP	kW / kW	3.91	3.60	
Temp. range of heating *4	Indoor temp.	D.B.	15 to 27degC(59 to 81degF)	
	Outdoor temp.	W.B.	-20 to 15.5degC(-4 to 60degF)	
Indoor unit connectable	Total capacity	50 to 150 % of outdoor unit capacity		
	Model / Quantity	P15 to P250 / 1 to 30	P15 to P250 / 1 to 35	
Noise level (measured in anechoic room)	dB <A>	59.0	60.0	
Diameter of refrigerant pipe	High pressure	19.05(3/4") Brazed		
	Low pressure	22.22(7/8") Brazed	28.58(1-1/8") Brazed	
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>			
External dimension HxWxD	mm	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 1,220 x 760	
	in.	67-3/8"(65" without legs) x 36-1/4" x 29-15/16"	67-3/8"(65" without legs) x 48-1/16" x 29-15/16"	
Net weight	kg(lb)	240(530)	265(585)	
Heat exchanger	Salt-resistant cross fin & copper tube			
Compressor	Type	Inverter scroll hermetic compressor		
	Maker	AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method	Inverter		
	Motor output	kW	8.2	10.3
	Case heater	kW	0.045(240 V)	
	Lubricant	MEL32		
FAN	Air flow rate	m <sup>3</sup> / min	185	225
		L/s	3,083	3,750
		cfm	6,532	7,945
	External static press.	0 Pa (0 mmH <sub>2</sub> O)		
	Type x Quantity	Propeller fan x 1		
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		
Motor output	kW	0.92		
HIC circuit (HIC: Heat Inter-Changer)	-			
Protection	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP. / FAN)	Over-heat protection, Over-current protection		
	Compressor	Over-heat protection, Over-current protection		
	Fan motor	Thermal switch		
Defrosting method	Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type x original charge	R410A x 10.5kg (24lb)	R410A x 13.0kg (29lb)	
	Control	Indoor LEV and BC controller		
Drawing	External	WKB94G529	WKB94G530	
	Wiring	WKE94C141		
Standard attachment	Document	Installation Manual		
	Accessory	Details refer to External Drw		
Optional parts	joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G Main BC controller: CMB-P108, 1010, 1013, 1016V-GA Sub BC controller: CMB-P104, 108V-GB, CMB-P1016V-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 cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27degCDB/19degCWB (81degFDB/66degFWB)	27degCDB/19.5degCWB (81degFDB/67degFWB)	20degCDB (68degFDB)	kcal =kW x 860
Outdoor :	35degCDB (95degFDB)	35degCDB (95degFDB)	7degCDB/6degCWB (45degFDB/43degFWB)	Btu/h =kW x 3,412
Pipe length :	7.5m(24-9/16"ft.)	5m(16-3/8"ft.)	7.5m(24-9/16"ft.)	cfm =m <sup>3</sup> /min x 35.31
Level difference :	0m(0ft.)	0m(0ft.)	0m(0ft.)	lb =kg / 0.4536
*4 -5degC(23degF)DB/-6degC(21degF)WB to 21degC(70degF)DB/15.5degC(60degF)WB with cooling/heating mixed operation.				
* Nominal condition *1, *3 are subject to JIS B8615-1				
* Due to continuing improvement, above specifications may be subject to change without notice.				
				*Above specification data is subject to rounding variation.

Ref.:PURY\_YHM-A\_SPC\_EUDB\_P300-P350\_56