

Republic of the Philippines
Department of Public Works and Highways
DAVAO CITY II DISTRICT ENGINEERING OFFICE
Tugbok District, Davao City

AIRCONDITIONING UNITS SPECIFICATIONS

AC OPTIMA INVERTER (5.0 TR FLOOR MOUNTED)		
Technical Specifications:		
Technical Data		
Cooling Capacity (kJ/hour)	-	52,500 (18,800-53,500)
Power Consumption (W)	-	5,300 (1,800-5,500)
Energy Efficiency Ratio (kJ/W-hr)	-	9.9 (10.4-9.7)
Sound Level Indoor (H/M/L) (dBa)	-	58 / 54 /52
Power Supply (V-Ph-Hz)	-	230/1/60
Refrigerant Type	-	R410A
Physical Data		
Indoor Dimension (WxHxD)(mm)	-	580 x 1,750 x 430
Indoor Packaging Dimension (WxHxD)(mm)	-	670 x 1,870 x 525
Indoor Weight (Net/Gross)(kg)	-	62.5/66.5
Outdoor Dimension (WxHxD)(mm)	-	936 x 722 x 336
Outdoor Packaging Dimension (WxHxD)(mm)	-	1,075 x 765 x 415
Outdoor Weight (Net/Gross)(kg)	-	95/97.5
Piping		
Pipe Sizes (Liquid/Gas)(mmØ)	-	Ø9.52/Ø19.1
Max Pipe Length (m)	-	50

AC HW NEXUS INVERTER (2.0 HP WALL MOUNTED INVERTER)		
Technical Specifications:		
Power Supply (V-Ph-Hz)		
		- 230V, 1Ph, 60Hz
Cooling (Standard Conditions)	Capacity	kJ/hr - 18,800 (2,740-19,800)
		kw - 5.22 (0.76-5.50)
	Input (W)	- 1,925 (250-2,000)
	Current (A)	- 8.26 (2.0-8.8)
	COP (W/W)	- 2.71 (3.04-2.75)
	CSPF	- 4.5
	Star Rating	- 5 star
Indoor Air Flow (H/M/L)(m3/h)		- 780/600/450
Indoor Noise Level (H/M/L)(dBa)		- 44/39/31
Indoor Unit	Dimension (WxDxH)(mm)	- 957x213x302
	Packing (WxDxH)(mm)	- 1035x295x385
	Net/Gross Weight (kg)	- 10.8/13.8
	Stacking Height	- 8
Outdoor Unit	Dimension (WxDxH)(mm)	- 765x303x555
	Packing (WxDxH)(mm)	- 887x337x610
	Net/Gross Weight (kg)	- 24.3/26.6
	Stacking Height	- 4
Refrigerant	Type (Kg)	- R32/0.6
Refrigerant Piping	Liquid Side / Gas Side (mm)	- 6.35/12.7
	Max. Refrigerant Pipe Length (m)	- 30
	Max Difference in Level (m)	- 20

Prepared by:

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