

Technical specification						
R410A Inverter Duct type AC Outdoor Unit						
Model		GUD140W/A-X		GUD160W/A-X		
Code		CF090W1500-PHS		CF090W1520-PHS		
Indoor Unit		Type	Duct		Duct	
		Model	GUD140PHS/A-S		GUD160PHS/A-S	
		Code	CF022N2490		CF022N2470	
Total Capacity		Cooling	kW	14.00	15.60	
			Btu/h	47800	53200	
		Heating	kW	15.00	17.00	
			Btu/h	51200	58000	
EER / C.O.P		W/W	2.80/3.41	2.89/3.54		
Electrical Data		Power supply	V-Hz-Ph	380/415-50-3	380/415-50-3	
		Power input <sup>1</sup>	Cooling	kW	5.00	5.40
			Heating	kW	4.40	4.80
		Rated Power input <sup>2</sup>	Cooling	kW	5.80	6.20
			Heating	kW	5.60	5.80
		Input current <sup>1</sup>	Cooling	A	8.60	9.40
			Heating	A	7.60	8.40
		Rated current <sup>2</sup>	Cooling	A	11.0	13.0
			Heating	A	10.0	11.0
Min/Max Voltage	V	342/456	342/456			
Power cord spec	mm <sup>2</sup> xpcs	1.50x5	1.50x5			
Sound Pressure Level (H/M/L)*		dB (A)	59	60		
Sound Power Level (H/M/L)*		dB (A)	69	70		
Refrigerant		Type	R410A		R410A	
		Charge	kg	3.7	3.8	
		Throttling Method	Electronic expansion valve		Electronic expansion valve	
Compressor		Trademark	GREE		GREE	
		Model	QXFS-F428zX450I		QXFS-F428zX450I	
		Type	Inverter Rotary		Inverter Rotary	
		Quantity	1		1	
		Capacity	W	16550	16550	
		Power Input	W	4060	4060	
		Rated Load Amp (RLA)	A	8.2	8.2	
		Crankcase	W	40	40	
		Refrigerant oil	Type	FW68DA or equivalent		FW68DA or equivalent
Charge Volume	L		1.35	1.35		
Air Flow Volume		CFM	3472	3472		
		m <sup>3</sup> /h	5900	5900		
Fan Motor		Model	B-SWZ150A		B-SWZ150A	
		Drive Type	Direct		Direct	
		Speed (H/M/L)*	rpm	820	820	
		Insulation class	E/B		E/B	
		Safe class	IP44		IP44	
Fan		Type	Axial-flow		Axial-flow	
		Quantity	1		1	
		Diameter-Height	inch	φ21.65-7	φ21.65-7	
Condenser		Material	Inner Groove Copper Tube-Aluminum fin		Inner Groove Copper Tube-Aluminum fin	
		Face Area	sq.ft	2.5	2.5	
			m <sup>2</sup>	4.6	4.6	
		Pipe Diameter	mm	φ7.94	φ7.94	
		Number of rows	mm	2	3	
		Tube pitch(a)x row pitch(b)	mm	22x19.05	22x19.05	
		Fins per Inch(FPI)	18		16	
		Fin type	Ripple		Ripple	
Number of circuits	5		10			
Length(L) x Height(H) x Width(W)	mm	1154x792x38.1	1154x792x57.15			
Permissible Excessive Operating Pressure for the Discharge Side		Mpa	4.6	4.6		
Permissible Excessive Operating Pressure for the Suction Side		Mpa	2.5	2.5		
Operation temp		Cooling	°C	-15~50	-15~50	
		Heating	°C	-15~24	-15~24	
Defrosting Method		Auto defrost		Auto defrost		
Isolation		I		I		
Moisture Protection		IPX4		IPX4		
Overload Protector		High Presser Protector Low presser protector		High Presser Protector Low presser protector		
Dimension		Outline dimension (WxDxH)	mm 940x460x820		940x460x820	
		Package dimension (LxWxH)	mm 1083x573x973		1083x573x973	
Weight		Net Weight	kg	96.0	100.0	
		Gross Weight	kg	108.0	112.0	
Loading quantity		Outdoor Unit	20'GP	40	40	
			40'GP	84	84	
			40'HQ	84	84	
		Outdoor Unit and Indoor Unit	20'GP	20	20	
			40'GP	47	47	
	40'HQ	53	53			