


# GOLDSENSE

			GLS-COMBI09-I	GLS-COMBI12-I
Model	Indoor		FMA-09CHSD/*DVI	FMA-12CHSD/*DVI
Type			HEAT PUMP	HEAT PUMP
Control type			Remote Controller	Remote Controller
Cooling capacity		Btu/h	9000	12000
Heating capacity		Btu/h	9000	12000
Pressure	High(DP)	MPa	3,7	3,7
	Low(SP)	MPa	1,2	1,2
Indoor sound power(S/H/M/L/Mute)		dB(A)	50/47/43/35/32	50/47/43/35/32
Indoor sound pressure(S/H/M/L/Mute)		dB(A)	40/37/33/25/22	40/37/33/25/22
<b>Electrical Data</b>				
Power supply			220-240V~/50HZ	220-240V~/50HZ
Voltage Range		V	165~265	165~265
Current	Cooling	A	0,2	0,2
	Heating	A	0,2	0,2
Power input	Cooling	W	35	35
	Heating	W	35	35
<b>Fan System</b>				
Indoor air circulation		m3/h	<b>550</b>	<b>550</b>
Indoor fan type			CROSS FLOW FAN	CROSS FLOW FAN
Indoor fan model			22001-000262	22001-000262
<b>Indoor coil</b>				
Number of rows		/	2	2
Tube outside dia		mm	7	7
Tube type		/	Rifled tube	Rifled tube
Fin spacing		mm	1,5	1,5
Fin type			window sheet	window sheet
Tube pitch(a)x row pitch(b)		mm	21x25.4	21x25.4
<b>Connections</b>				
Refrigerant coupling			Flare	Flare
Connecting Pipe	Liquid	Inches	1/4"	1/4"
	Gas	Inches	3/8"	3/8"
	Maxium length for each indoor unit		15m	15m
	Maxium heighth difference		10m	10m
	Standard weight charged		5m/indoor unit	5m/indoor unit
Extra weight charge		15g/m	15g/m	
<b>Others</b>				
Net dimensions (W x H x D)	Indoor	mm	777×250×201	777×250×201
Net weight	Indoor	kg	8	8
Packing dimensions(W x H x D)	Indoor	mm	850×320×275	850×320×275
Gross weight	Indoor	kg	10,5	10,5



R32 DC inverter Multi			GLS-COMBI18-O	GLS-COMBI27-O
<b>Technical Specifications</b>			1 to 2	1 to 3
<b>Model No.</b>			<b>FMA-18I2HD/DVO</b>	<b>FMA-27I3HD/DVO</b>
Standard indoor combination under Erp			<b>09+09</b>	<b>09+09+12</b>
Four units			None	None
Five units			None	None
Control type			Remote Controller	Remote Controller
Cooling capacity	Btu/h		18000(4200~19100)	27000(9500~30000)
	W		5200(1230~5600)	7900(2800~8800)
Heating capacity	Btu/h		18050(4400~19600)	27000(8350~30000)
	W		5290(1290~5750)	7960(2450~8800)
Phdesignc	Btu/h		18000	27000
	W		5200	7900
Phdesignh	Btu/h		15000	19800
	W		4400	5800
SEER (Class)	W/W		6.2 (A++)	6.1 (A++)
SCOP (Class)	W/W		4.0 (A+)	4.0 (A+)
EER	W/W		3	3
COP	W/W		3.73	3.75
Declare capacity(+10°C) Declare capacity(-10°C) Backup electrical capacity	W		4200	5500
Outdoor sound power level	dB(A)		65	68
<b>Electrical Data</b>				
Power supply			220-240V~/50HZ	220-240V~/50HZ
Voltage Range		V	165~265	165~265
Power input	Cooling	W	1605(280~2053)	2633(350~2850)
	Heating	W	1418(250~2053)	2123(420~2850)
Operating Current	Cooling	A	3.3~10.5)8.2 (1.3~10.5)8.2 (1.3	12.7(1.6~14.0)
	Heating	A	7.3(1.2~10.5)	10.9(1.9~14.0)
Annual electricity consumption	Cooling	KWh	294	453
	Average	KWh	1540	2030
<b>Refrigerating System</b>				
Refrigerant/Charge		Gram	R32/1100g	R32/1600g
CO2 equivalent		Tonnes	0,743	1,08
Compressor type			Rotary	Twin Rotary
Compressor brand&model			RECHI 39W27MXN-FJMD	SANYO C-6RZ146H3BAF
<b>Fan System</b>				
Outdoor fan type			axial-flow	axial-flow
Outdoor fan motor model			GZSDJ-33(DC)	GZSDJ-31(DC)
Outdoor fan speed		rpm	850	850
Outdoor fan motor output		W	52	≤100
<b>Outdoor coil</b>				
Number of rows		/	2	2
Number of U tube		/	26	28
Tube outside dia		mm	7	7
Tube type		/	Rifled tube	Rifled tube
Fin spacing		mm	1,4	1,5
Fin type			Corrugated sheet	Corrugated sheet
Tube pitch (pitch)		mm	18.2x21	18.2x21
<b>Connections</b>				
Refrigerant coupling			Flare	Flare
High & low pressure valve	Liquid	Inches	1/4"	1/4"
	Gas	Inches	3/8" should use 1/2" pipe for 19K duct	3/8" should use 1/2" pipe for 21K duct
<b>Others</b>				
Net dimensions (W x H x D)		mm	835×605×360	968×655×375
Net weight		kg	34	46
Packing dimensions (W x H x D)		mm	883×645×394	1015×715×425
Gross weight		kg	38	51