

Model			MGA-09-SP	MGA-12-SP
Indoor			GAIA-09HRFN8-I	GAIA-12HRFN8-I
Outdoor			GAIA-09HRFN8-O	GAIA-12HRFN8-O
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard conditions)	Capacity	Btu/h	9000(4200~11250)	12000(4500~14700)
	Input	W	620(100~1260)	920 (130~1650)
	Current	A	2.6(0.4~5.5)	3.91 (0.6~7.2)
Heating (Standard conditions)	Capacity	Btu/h	10000(2890-12700)	13000(3000~15000)
	Input	W	687(110~1320)	970 (120~1500)
	Current	A	2.7(0.4~5.7)	4.13 (0.5~6.5)
Seasonal Cooling	Pdesignc	kW	2.6	3.5
	SEER	W/W	8.8	8.5
	Energy Efficiency Class		A+++	A+++
Heating(Average)	Pdesignh	kW	2.3	2.4
	SCOP	W/W	4.6	4.6
	Energy Efficiency Class		A++	A++
Heating(Warmer)	Tbiv		-7	-7
	Pdesignh	kW	2.5	2.7
	SCOP	W/W	5.4	5.5
Heating(Colder)	Energy Efficiency Class		A+++	A+++
	Tbiv		2	2
	Pdesignh	kW	3.1	3.4
Tol	SCOP	W/W	3.5	3.5
	Energy Efficiency Class		A	A
	Tbiv		-10	-10
Moisture Removal		L/h	/	/
Rated Power Input		W	2200	2200
Rated Current		A	10.0	10.0
Starting current		A	0	0
Compressor	Model		KSN98D64UFZ3	KSN98D64UFZ3
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	1930/3100 ±3%	1930/3100 ±3%
	Input	W	292/765 ±3%	292/765 ±3%
	Rated current(RLA)	A	2.15/4.65 ±3%	2.15/4.65 ±3%
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector		/	/
	Thermal protector position		NA	NA
	Capacitor	µF	/	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74 300±10	ESTER OIL VG74 300±10	
Indoor fan motor	Model		ZKFP-13-8-4	ZKFP-13-8-4
	Old Model		/	/
	Input	W	13	13
	Capacitor	uF	/	/
Indoor coil	Speed(Hi/Mi/Lo)	r/min	1150/950/600	1150/950/600
	a.Number of rows		2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	653x210x26.74+653x105x26.74	653x210x26.74+653x105x26.74
	g.Number of circuits		2	2
Indoor air flow (Hi/Mi/Lo)	m3/h	620/501/411	620/501/411	
Indoor noise level (Hi/Mi/Lo)	dB(A)	40/32.5/21.5	40/32.5/21.5	
Indoor sound power level	dB(A)	53.0	54.0	
Indoor unit	Dimension(W*D*H)	mm	984*333*198	984*333*198
	Packing (W*D*H)	mm	1100*420*320	1100*420*320
	Net/Gross weight	kg	12.5/17.0	12.5/17.0
Outdoor fan motor	Model		ZKFN-34-10-1-3	ZKFN-34-10-1-3
	Input	W	34	34
	Capacitor	uF	/	/
	Speed	r/min	2	2
Outdoor coil	a.Number of rows		1	1
	b.Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	c.Fin spacing	mm	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	745*504*22	745*504*22
	g.Number of circuits		2	2
Outdoor air flow	m3/h	2200	2200	
Outdoor sound pressure level	dB(A)	56.0	56.0	
Outdoor sound power level	dB(A)	61.0	63.0	
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	765x303x555
	Packing (W*D*H)	mm	887x337x610	887x337x610
	Net/Gross weight	kg	26.4/28.8	26.4/28.8
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	kg	0.7	0.7
Design pressure	MPa	4.3/1.7	4.3/1.7	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)
	Max. refrigerant pipe length	m	25	25
	Max. difference in level	m	10	10
Connection wiring			1.5x5//	1.5x5//
Plug type			//no-plug	//no-plug
Thermostat type			Remote Control	Remote Control
Room temperature	Indoor(cooling/ heating)	℃	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	℃	-15~50/-25~24	-15~50/-25~24
Application area (Cooling Standard)	m2		16	16
Qty/per 20' /40' /40'HQ			IDU 204/418/474 Set 199 SET/40HQ	IDU 204/418/474 Set 199 SET/40HQ