



Service Manual

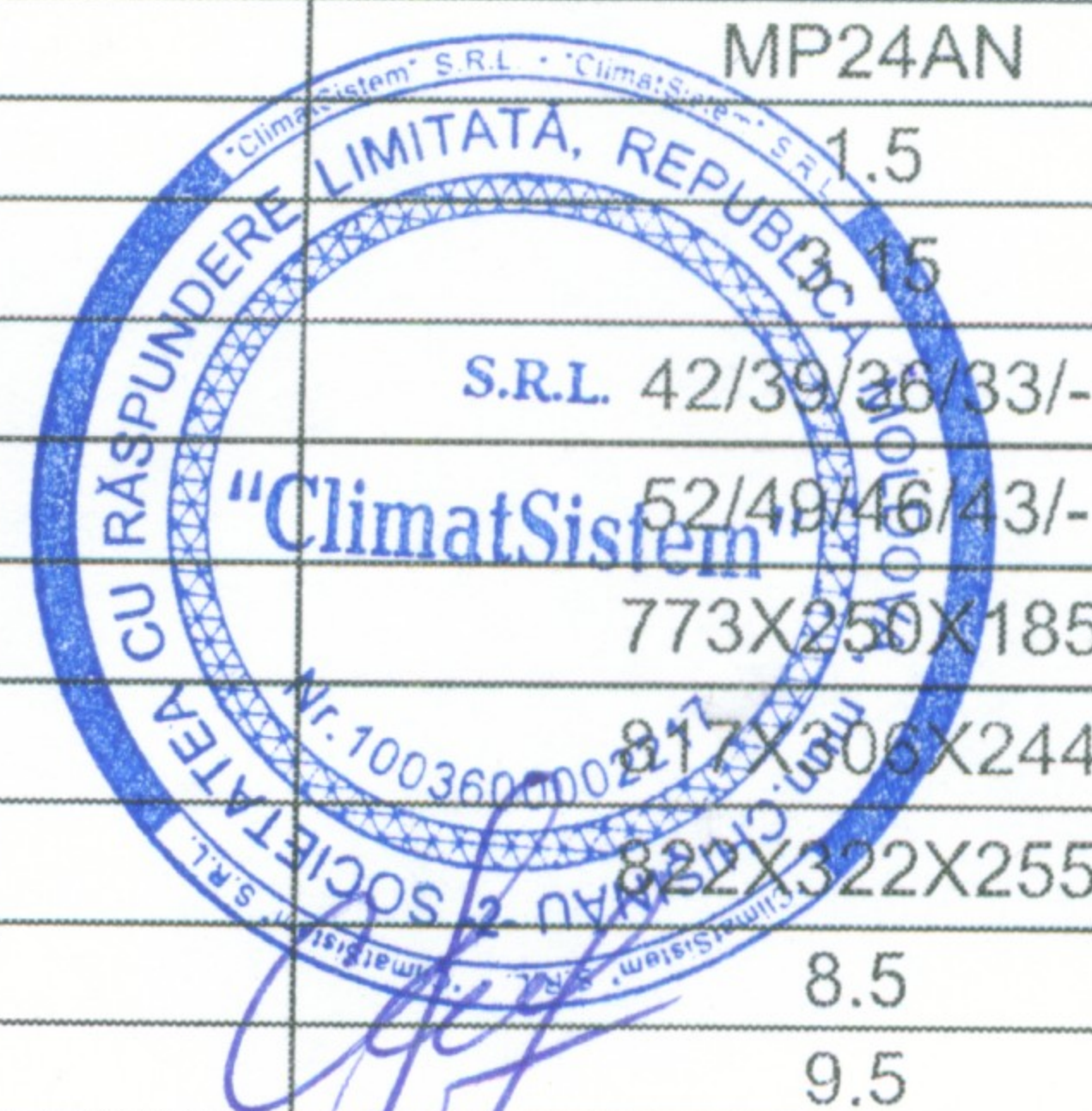
Models: GWH07AAA-K3NNA1A GWH12AAB-K3NNA2A
GWH07AAA-K3NNA2A GWH12AAB-K3NNA1A
GWH07AAA-K3NNA3A (Refrigerant R410A)
GWH07AAA-K3NNA4A
GWH09AAB-K3NNA3A
GWH09AAB-K3NNA4A
GWH09AAB-K3NNA1A
GWH09AAB-K3NNA2A
GWH09AAA-K3NNA2A
GWH09AAA-K3NNA1A
GWH09AAA-K3NNA3A



2. Specifications

2.1 Specification Sheet

Model			GWH09AAA-K3NNA2A GWH09AAA-K3NNA1A GWH09AAA-K3NNA3A	GWH12AAB-K3NNA2A GWH12AAB-K3NNA1A
Product Code			CA115016500 CA115014400/CA115014401 CA478000700	CA115014100/CA115014101 CA476003000
Power Supply	Rated Voltage	V~	220-240	220-240
	Rated Frequency	Hz	50	50
	Phases	-	1	1
Power Supply Mode			Indoor	Indoor
Cooling Capacity		W	2550	3250
Heating Capacity		W	2650	3400
Cooling Power Input		W	794	1012
Heating Power Input		W	734	941
Cooling Power Current		A	3.7	4.32
Heating Power Current		A	3.3	4.40
Rated Input		W	1120	1230
Rated Current		A	6.2	6.3
Air Flow Volume(SH/H/M/L/SL)		m ³ /h	470/420/370/250/-	550/500/430/330/-
Dehumidifying Volume		L/h	0.8	1.2
EER		W/W	3.21	3.21
COP		W/W	3.61	3.61
SEER		W/W	/	/
HSPF		W/W	/	/
Application Area		m ²	12-18	15-22
Indoor Unit	Model of Indoor Unit		GWH09AAA-K3NNA2A/I GWH09AAA-K3NNA1A/I GWH09AAA-K3NNA3A/I	GWH12AAB-K3NNA2A/I GWH12AAB-K3NNA1A/I
	Product Code of Indoor Unit		CA115N16500 CA115N14400/CA115N14401 CA478N00700	CA115N14100/CA115N14101 CA476N03000
	Fan Type			Cross-flow
	Diameter Length(DXL)		mm	Φ92X505
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1300/1200/1100/850/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	1200/1100/1000/900/-
	Output of Fan Motor		W	10
	Fan Motor RLA		A	0.15
	Fan Motor Capacitor		μF	1
	Input of Heater		W	/
	Evaporator Form			Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7.94
	Row-fin Gap		mm	1-1.2
	Coil Length (LXDXW)		mm	508X19.05X254
	Swing Motor Model			MP24AN
	Output of Swing Motor		W	1.5
	Fuse		A	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	40/38/35/26/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	50/48/45/36/-
	Dimension (WXHXD)		mm	698X250X185
	Dimension of Carton Box (LXWXH)		mm	742X306X244
Dimension of Package (LXWXH)		mm	747X322X255	
Net Weight		kg	7.5	
Gross Weight		kg	8.5	



2. Specifications

2.1 Specification Sheet

Model			GWH18AAC-K3NNA1A GWH18AAC-K3NNA2A	GWH24AAD-K3NNA1A GWH24AAD-K3NNA2A	
Product Code			CA115014200 CA115014500	CA115014300 CA115014600	
Power Supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Power Supply Mode			Indoor	Indoor	
Cooling Capacity		W	4800	6150	
Heating Capacity		W	5000	6700	
Cooling Power Input		W	1495	1915	
Heating Power Input		W	1500	1856	
Cooling Power Current		A	6.81	8.49	
Heating Power Current		A	6.72	8.23	
Rated Input		W	2150	13.88	
Rated Current		A	10.96	5.5	
Air Flow Volume(SH/H/M/L/SL)		m ³ /h	650/560/480/350/-	900/800/700/600/-	
Dehumidifying Volume		L/h	1.8	1.8	
EER		W/W	3.21	3.21	
COP		W/W	3.61	3.61	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application Area		m ²	21-31	23-34	
Indoor Unit	Model of Indoor Unit		GWH18AAC-K3NNA1A/I GWH18AAC-K3NNA2A/I	GWH24AAD-K3NNA1A/I GWH24AAD-K3NNA2A/I	
	Product Code of Indoor Unit		CA115N14200 CA115N14500	CA115N14300 CA115N14600	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ98X633	Φ106X706
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1350/1200/1050/950/-	1350/1200/1050/900/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	1300/1150/1000/900/-	1350/1200/1100/900/-
	Output of Fan Motor		W	20	35
	Fan Motor RLA		A	0.20	0.35
	Fan Motor Capacitor		μF	1.5	2.5
	Input of Heater		W	/	/
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7	Φ7
	Row-fin Gap		mm	2-1.4	2-1.4
	Coil Length (LXDXW)		mm	715X25.4X304.8	715X25.4X304.8
	Swing Motor Model			MP24HF	MP35CP
	Output of Swing Motor		W	1.5	2.5
	Fuse		A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	42/38/34/31/-	49/45/41/37/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	52/48/44/41/-	59/55/51/47/-
	Dimension (WXHXD)		mm	849X289X210	970X300X225
Dimension of Carton Box (LXWXH)		mm	879X341X268	1047X366X285	
Dimension of Package (LXWXH)		mm	902X357X279	1020X369X295	
Net Weight		kg	11	13.5	
Gross Weight		kg	13	16.5	



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Outdoor Unit	Model of Outdoor Unit		GWH18AAC-K3NNA1A/O	GWH24AAD-K3NNA1A/O
	Product Code of Outdoor Unit		CA115W14200	CA115W14300
	Compressor Manufacturer/Trademark		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD
	Compressor Model		QXA-D19F030	QXA-F232F050
	Compressor Oil		ATMOS-RB68EP or equivalent	RB68EP
	Compressor Type		Rotary	Rotary
	L.R.A.	A	38.00	40
	Compressor RLA	A	7.10	8.4
	Compressor Power Input	W	1540	1930
	Overload Protector		UP3-A6	UP3-27
	Throttling Method		Capillary	Capillary
	Operation Temp	°C	16~30	16~30
	Ambient Temp (Cooling)	°C	18~48	18~48
	Ambient Temp (Heating)	°C	-7~24	-7~24
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter	mm	Φ7.94	Φ7
	Rows-fin Gap	mm	2-1.4	1-1.4
	Coil Length (LXDXW)	mm	735X38.1X508	613X38.1X660
	Fan Motor Speed	rpm	850	780
	Output of Fan Motor	W	35	68
	Fan Motor RLA	A	0.33	0.75
	Fan Motor Capacitor	μF	2.5	2.5
	Air Flow Volume of Outdoor Unit	m ³ /h	1800	2800
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ394.5	Φ460
	Defrosting Method		Automatic Defrosting	Automatic Defrosting
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IPX4	IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	56/-/-	56/-/-
	Sound Power Level (H/M/L)	dB (A)	66/-/-	66/-/-
Dimension (WXHXD)	mm	848X540X320	913X680X378	
Dimension of Carton Box (LXWXH)	mm	878X360X580	994X428X725	
Dimension of Package (LXWXH)	mm	881X363X595	997X431X740	
Net Weight	kg	39	50	
Gross Weight	kg	41.5	54	
Refrigerant		R410A	R410A	
Refrigerant Charge	kg	1.26	1.45	
Connection Pipe	Length	m	5	5
	Gas Additional Charge	g/m	15	15
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ12	Φ12
	Max Distance Height	m	10	10
	Max Distance Length	m	25	25
Note: The connection pipe applies metric diameter.				

The above data is subject to change without notice; please refer to the nameplate of the unit.