

# Service Manual

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



## 2. Specifications

### 2.1 Specification Sheet

Model			GWH07AAA-K3NNA1A GWH07AAA-K3NNA2A	GWH09AAB-K3NNA1A GWH09AAB-K3NNA2A	
Product Code			CA115013600 CA115014000	CA115013700 CA115013900	
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	2200	2638	
Heating Capacity		W	2300	2755	
Cooling Power Input		W	685	821	
Heating Power Input		W	637	763	
Cooling Power Current		A	3.5	4.0	
Heating Power Current		A	3.2	3.5	
Rated Input		W	1050	1150	
Rated Current		A	5.5	5.6	
Air Flow Volume(SH/H/M/L/SL)		m <sup>3</sup> /h	470/420/370/250/-	570/500/430/300/-	
Dehumidifying Volume		L/h	0.6	0.8	
EER		W/W	3.21	3.21	
COP		W/W	3.61	3.61	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application Area		m <sup>2</sup>	10-16	12-18	
Indoor Unit	Model of Indoor Unit		GWH07AAA-K3NNA1A/I GWH07AAA-K3NNA2A/I	GWH09AAB-K3NNA1A/I GWH09AAB-K3NNA2A/I	
	Product Code of Indoor Unit		CA115N13600 CA115N14000	CA115N13700 CA115N13900	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ92X505	Φ93X580
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1300/1200/1100/850/-	1300/1200/1100/850/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	1200/1100/1000/900/-	1250/1150/1050/900/-
	Output of Fan Motor		W	10	20
	Fan Motor RLA		A	0.15	0.22
	Fan Motor Capacitor		μF	1	1
	Input of Heater		W	/	/
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7.94	Φ7.94
	Row-fin Gap		mm	1-1.2	1-1.2
	Coil Length (LXDXW)		mm	508X19.05X254	583X19.05X264
	Swing Motor Model			MP24AN	MP24AN
	Output of Swing Motor		W	1.5	1.5
	Fuse		A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	40/38/35/27/-	40/37/35/27/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	50/48/45/37/-	50/47/45/37/-
	Dimension (WXHXD)		mm	698X250X185	773X250X185
	Dimension of Carton Box (LXWXH)		mm	742X306X244	817X306X244
Dimension of Package (LXWXH)		mm	747X322X255	822X322X255	
Net Weight		kg	7.5	8.5	
Gross Weight		kg	8.5	9.5	



Model			GWH09AAA-K3NNA2A GWH09AAA-K3NNA1A	GWH12AAB-K3NNA2A	
Product Code			CA115016500 CA115014400	CA115014100	
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 <sup>3</sup> /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 <sup>2</sup>	12-18	15-22	
Indoor Unit	Model of Indoor Unit		GWH09AAA-K3NNA2A/I GWH09AAA-K3NNA1A/I	GWH12AAB-K3NNA2A/I	
	Product Code of Indoor Unit		CA115N16500 CA115N14400	CA115N14100	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ92X505	Φ93X580
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1300/1200/1100/850/-	1350/1200/1100/850/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	1200/1100/1000/900/-	1350/1200/1100/900/-
	Output of Fan Motor		W	10	20
	Fan Motor RLA		A	0.15	0.215
	Fan Motor Capacitor		μF	1	1
	Input of Heater		W	/	/
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7.94	Φ7.94
	Row-fin Gap		mm	1-1.2	1-1.2
	Coil Length (LXDXW)		mm	508X19.05X254	583X19.05X264
	Swing Motor Model			MP24BA	MP24AN
	Output of Swing Motor		W	1.5	1.5
	Fuse		A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	40/38/35/26/-	42/39/36/33/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	50/48/45/36/-	52/49/46/43/-
	Dimension (WXHXD)		mm	698X250X185	773X250X185
Dimension of Carton Box (LXWXH)		mm	742X306X244	817X306X244	
Dimension of Package (LXWXH)		mm	747X322X255	822X322X255	
Net Weight		kg	7.5	8.5	
Gross Weight		kg	8.5	9.5	

Outdoor Unit	Model of Outdoor Unit		GWH09AAA-K3NNA1A/O	GWH12AAB-K3NNA2A/O
	Product Code of Outdoor Unit		CA115W14400	CA115W14100
	Compressor Manufacturer/Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-M094T130	QXA-B120C150A
	Compressor Oil		RB68EP or equivalent	RB68EP
	Compressor Type		Rotary	Rotary
	L.R.A.	A	18	26
	Compressor RLA	A	3.6	4.4
	Compressor Power Input	W	772.7	970
	Overload Protector		UP3-MC1	INTERNAL (UP3-02)
	Throttling Method		Capillary	Capillary
	Operation Temp	°C	16~30	16~30
	Ambient Temp (Cooling)	°C	18~43	18~43
	Ambient Temp (Heating)	°C	-7~24	-7~24
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter	mm	Φ7.94	Φ7.94
	Rows-fin Gap	mm	1-1.4	1-1.4
	Coil Length (LXD <sub>X</sub> W)	mm	658.3X19.05X396	697X19.05X506
	Fan Motor Speed	rpm	320	850
	Output of Fan Motor	W	20	35
	Fan Motor RLA	A	0.25	0.33
	Fan Motor Capacitor	μF	1.5	2.5
	Air Flow Volume of Outdoor Unit	m <sup>3</sup> /h	1200	1600
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ320	Φ394
	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)	49/-/-	52/-/-
	Sound Power Level (H/M/L)	dB (A)	59/-/-	62/-/-
Dimension (WXHXD)	mm	720X428X310	776X540X320	
Dimension of Carton Box (LXWXH)	mm	765X350X475	820X355X580	
Dimension of Package (LXWXH)	mm	768X353X490	823X358X595	
Net Weight	kg	24.5	30	
Gross Weight	kg	26.5	32.5	
Refrigerant		R410A	R410A	
Refrigerant Charge	kg	0.56	0.72	
Connection Pipe	Length	m	5	5
	Gas Additional Charge	g/m	20	15
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52	Φ12
	Max Distance Height	m	10	10
	Max Distance Length	m	15	15
Note: The connection pipe applies metric diameter.				

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