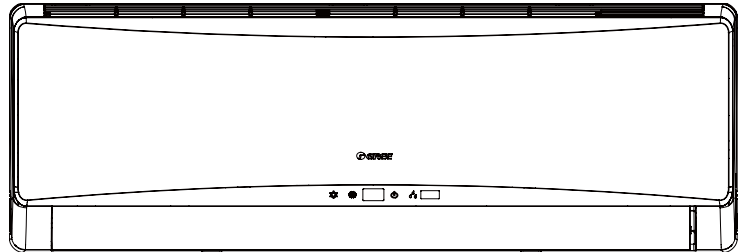


Part I : Technical Information

1. Summary

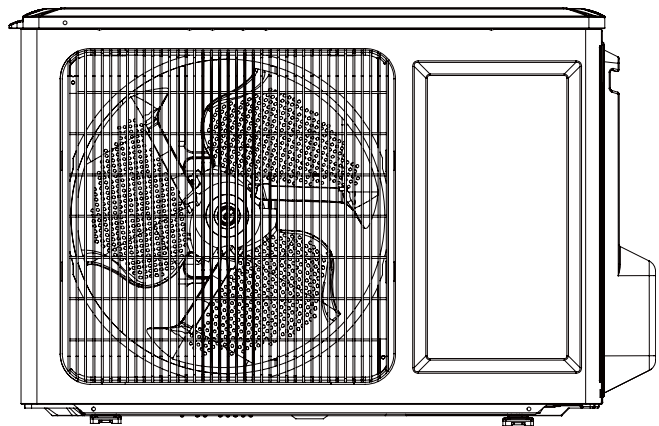
Indoor Unit:

GWH09TA-K3DNA1B/I
GWH12TB-K3DNA1B/I



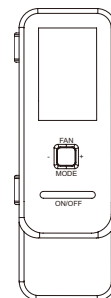
Outdoor Unit:

GWH09TA-K3DNA1B/O
GWH12TB-K3DNA1B/O



Remote Controller:

YAG1FB



2. Specifications

2.1 Specification Sheet

Model			GWH09TA-K3DNA1B	
Product Code			CB148002800_K96584	
Power Supply	Rated Voltage	V~	220-240	
	Rated Frequency	Hz	50	
	Phases		1	
Power Supply Mode			Indoor	
Cooling Capacity (Min~Max)		W	2600(728~4576)	
Heating Capacity (Min~Max)		W	3000(785~5236)	
Cooling Power Input (Min~Max)		W	670(235~1865)	
Heating Power Input (Min~Max)		W	770(214~1996)	
Cooling Current Input		A	2.91	
Heating Current Input		A	3.35	
Rated Input		W	1400	
Rated Current		A	6.5	
Air Flow Volume(Max~Min)		m ³ /h	550/490/420/370/330/290/230	
Dehumidifying Volume		L/h	0.8	
EER		W/W	3.88	
COP		W/W	3.90	
SEER		W/W	/	
HSPF		W/W	/	
Application Area		m ²	12-18	
Indoor Unit	Indoor Unit Model		GWH09TA-K3DNA1B/I	
	Indoor Unit Product Code		CB148N02800_K96584	
	Fan Type		Cross-flow	
	Fan Diameter Length(DXL)		mm	Φ95X610
	Cooling Speed(Max~Min)		r/min	1350/1070/1000/900/800/700/500
	Heating Speed(Max~Min)		r/min	1350/1250/1080/1030/980/900/850
	Fan Motor Power Output		W	15
	Fan Motor RLA		A	0.07
	Fan Motor Capacitor		μF	/
	Heater Power Input		W	/
	Evaporator Form			Aluminum Fin-copper Tube
	Evaporator Pipe Diameter		mm	Φ7
	Evaporator Row-fin Gap		mm	2-1.4
	Evaporator Coil Length (LXDXW)		mm	612X25.4X304.8
	Swing Motor Model			MP24HA/MP24HB/MP24HC
	Swing Motor Power Output		W	2
	Fuse Current		A	3.15
	Sound Pressure Level (Max~Min)		dB (A)	40/37/34/30/27/23/20
	Sound Power Level (Max~Min)		dB (A)	50/47/44/40/37/33/30
	Dimension (WXHXD)		mm	806X292X209
	Dimension of Carton Box (LXWXH)		mm	885X374X282
Dimension of Package(LXWXH)		mm	888X377X297	
Net Weight		kg	10	
Gross Weight		kg	13	

Outdoor Unit	Outdoor Unit Model		GWH09TA-K3DNA1B/O
	Outdoor Unit Product Code		CB148W02800_K96584
	Compressor Manufacturer/Trademark		PANASONIC /PANASONIC WANBAO COMPERSOR (GUANGZHOU) CO.,LTD
	Compressor Model		5RS102ZJA21
	Compressor Oil		FV50S
	Compressor Type		Rotary
	Compressor LRA.	A	25
	Compressor RLA	A	4.47
	Compressor Power Input	W	985
	Compressor Overload Protector		1NT11L-5270
	Throttling Method		Capillary
	Set Temperature Range	°C	16~30
	Cooling Operation Ambient Temperature Range	°C	18~43
	Heating Operation Ambient Temperature Range	°C	-15~24
	Condenser Form		Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7
	Condenser Rows-fin Gap	mm	2-1.4
	Condenser Coil Length (LXD _X W)	mm	798X38.1X508
	Fan Motor Speed	rpm	900
	Fan Motor Power Output	W	52
	Fan Motor RLA	A	0.22
	Fan Motor Capacitor	μF	/
	Outdoor Unit Air Flow Volume	m ³ /h	1800
	Fan Type		Axial-flow
	Fan Diameter	mm	Φ400
	Defrosting Method		Automatic Defrosting
	Climate Type		T1
	Isolation		I
	Moisture Protection		IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Sound Pressure Level (H/M/L)	dB (A)	50/-/-
Sound Power Level (H/M/L)	dB (A)	60/-/-	
Dimension (WXHXD)	mm	848X540X320	
Dimension of Carton Box (LXWXH)	mm	878X360X580	
Dimension of Package(LXWXH)	mm	881X363X595	
Net Weight	kg	34	
Gross Weight	kg	37	
Refrigerant		R410A	
Refrigerant Charge	kg	1.07	
Connection Pipe	Connection Pipe Length	m	7.5
	Connection Pipe Gas Additional Charge	g/m	20
	Outer Diameter Liquid Pipe	mm	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52
	Max Distance Height	m	10
	Max Distance Length	m	15
	Note:The connection pipe applies metric diameter.		

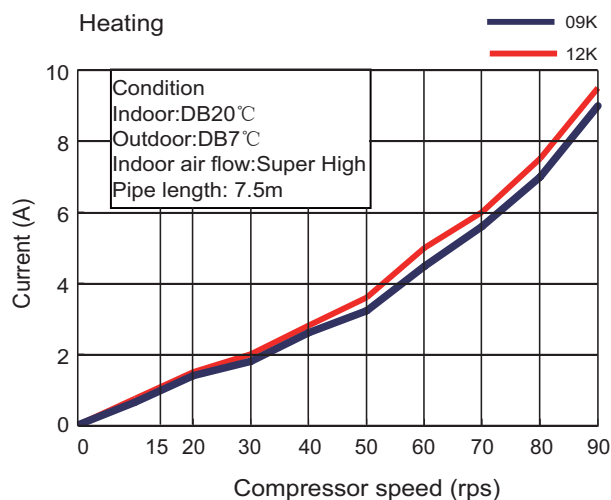
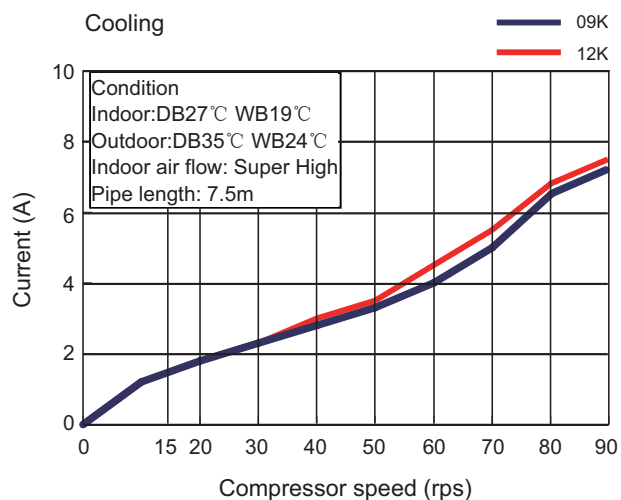
The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GWH12TB-K3DNA1B
Product Code			CB148002900_K96584
Power Supply	Rated Voltage	V~	220-240
	Rated Frequency	Hz	50
	Phases		1
Power Supply Mode			Indoor
Cooling Capacity(Min~Max)		W	3500(700~4500)
Heating Capacity(Min~Max)		W	4000(789~6027)
Cooling Power Input(Min~Max)		W	900(199~1582)
Heating Power Input(Min~Max)		W	1030(236~2110)
Cooling Current Input		A	3.91
Heating Current Input		A	4.48
Rated Input		W	1600
Rated Current		A	7
Air Flow Volume(Max~Min)		m ³ /h	750/670/610/530/460/410/380
Dehumidifying Volume		L/h	1.4
EER		W/W	3.88
COP		W/W	3.88
SEER		W/W	/
HSPF		W/W	/
Application Area		m ²	16-24
Indoor Unit	Indoor Unit Model		GWH12TB-K3DNA1B/I
	Indoor Unit Product Code		CB148N02900_K96584
	Fan Type		Cross-flow
	Fan Diameter Length(DXL)	mm	Φ98X662
	Cooling Speed(Max~Min)	r/min	1350/1070/1000/900/800/700/500
	Heating Speed(Max~Min)	r/min	1350/1150/1080/1030/980/900/850
	Fan Motor Power Output	W	15
	Fan Motor RLA	A	0.07
	Fan Motor Capacitor	μF	/
	Heater Power Input	W	/
	Evaporator Form		Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7
	Evaporator Row-fin Gap	mm	2-1.5
	Evaporator Coil Length (LXDXW)	mm	662X25.4X304.8
	Swing Motor Model		MP24HA/MP24HB/MP24HC
	Swing Motor Power Output	W	2
	Fuse Current	A	3.15
	Sound Pressure Level (Max~Min)	dB (A)	43/39/35/31/27/23/19
	Sound Power Level (Max~Min)	dB (A)	53/49/45/41/37/33/29
	Dimension (WXHXD)	mm	866X292X209
	Dimension of Carton Box (LXWXH)	mm	942X374X282
Dimension of Package(LXWXH)	mm	945X377X297	
Net Weight	kg	11	
Gross Weight	kg	14	

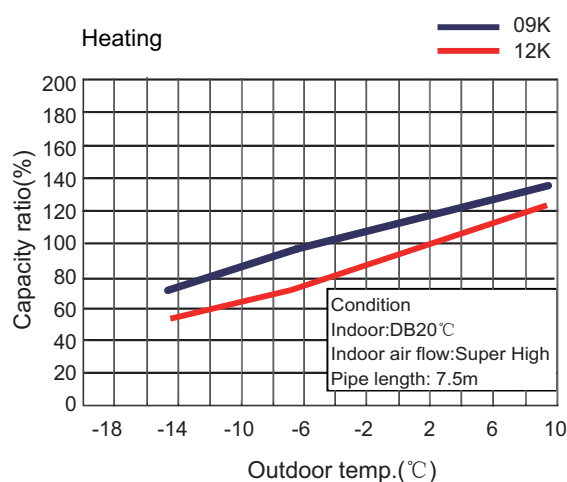
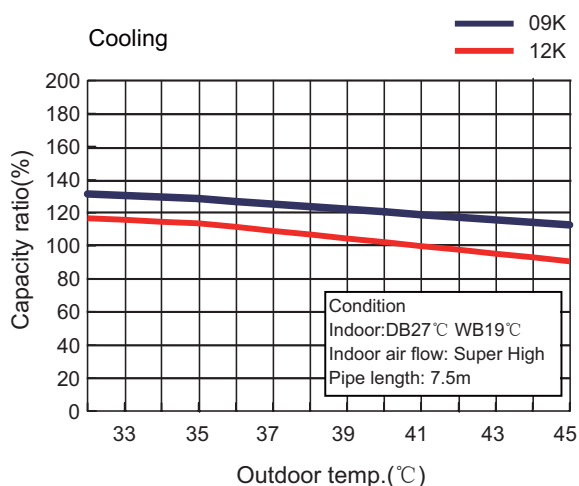
Outdoor Unit	Outdoor Unit Model		GWH12TB-K3DNA1B/O
	Outdoor Unit Product Code		CB148W02900_K96584
	Compressor Manufacturer/Trademark		PANASONIC/PANASONIC WANBAO COMPERSOR (GUANGZHOU) CO.LTD
	Compressor Model		5RS102ZJA21
	Compressor Oil		FV50S
	Compressor Type		Rotary
	Compressor LRA.	A	25
	Compressor RLA	A	4.47
	Compressor Power Input	W	985
	Compressor Overload Protector		1NT11L-5270
	Throttling Method		Capillary
	Set Temperature Range	°C	16~30
	Cooling Operation Ambient Temperature Range	°C	18~43
	Heating Operation Ambient Temperature Range	°C	-15~24
	Condenser Form		Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ9.52
	Condenser Rows-fin Gap	mm	2-1.4
	Condenser Coil Length (LXD _X W)	mm	704X44X559
	Fan Motor Speed	rpm	900
	Fan Motor Power Output	W	52
	Fan Motor RLA	A	0.22
	Fan Motor Capacitor	μF	/
	Outdoor Unit Air Flow Volume	m ³ /h	2000
	Fan Type		Axial-flow
	Fan Diameter	mm	Φ400
	Defrosting Method		Automatic Defrosting
	Climate Type		T1
	Isolation		I
	Moisture Protection		IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
	Sound Pressure Level (H/M/L)	dB (A)	52/-/-
	Sound Power Level (H/M/L)	dB (A)	62/-/-
Dimension (WXHXD)	mm	848X592X320	
Dimension of Carton Box (LXWXH)	mm	878X360X630	
Dimension of Package(LXWXH)	mm	881X363X645	
Net Weight	kg	36	
Gross Weight	kg	39	
Refrigerant		R410A	
Refrigerant Charge	kg	1.25	
Connection Pipe	Connection Pipe Length	m	7.5
	Connection Pipe Gas Additional Charge	g/m	20
	Outer Diameter Liquid Pipe	mm	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52
	Max Distance Height	m	10
	Max Distance Length	m	20
	Note:The connection pipe applies metric diameter.		

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

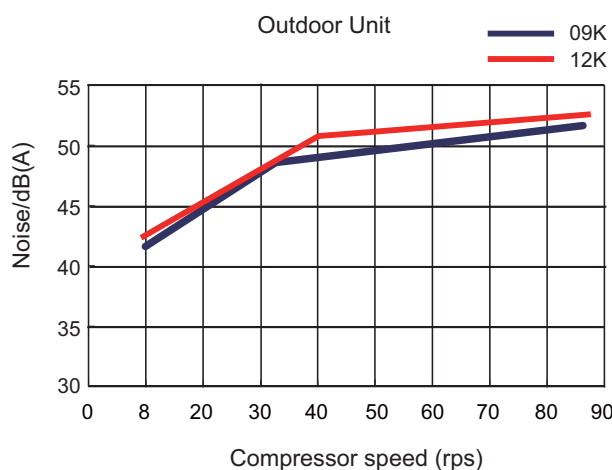
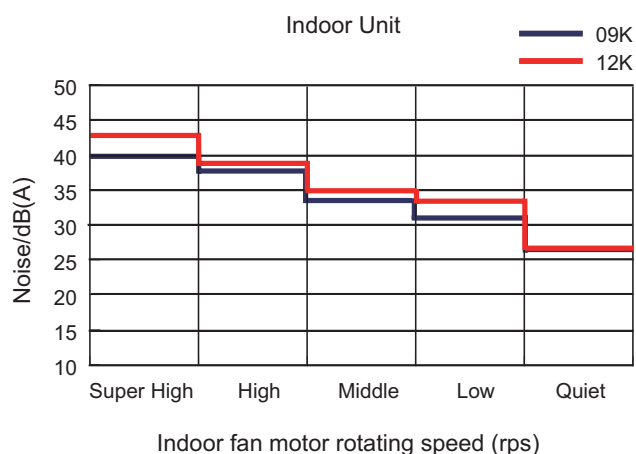
2.2 Operation Characteristic Curve



2.3 Capacity Variation Ratio According to Temperature



2.4 Noise Curve



2.5 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			P (MPa)	T1 (°C)			
27/19	35/-	09K	0.9~1.2	8~11 to 11~14	75~85 to 37~43	Super High	High	41
		12K						59

Heating:

Rated heating condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			P (MPa)	T1 (°C)			
20/15	7/6	09K	2.0~2.6	75~85 to 37~43	1~3 to 2~5	Super High	High	41
		12K						65

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

T2: Inlet and outlet pipe temperature of condenser

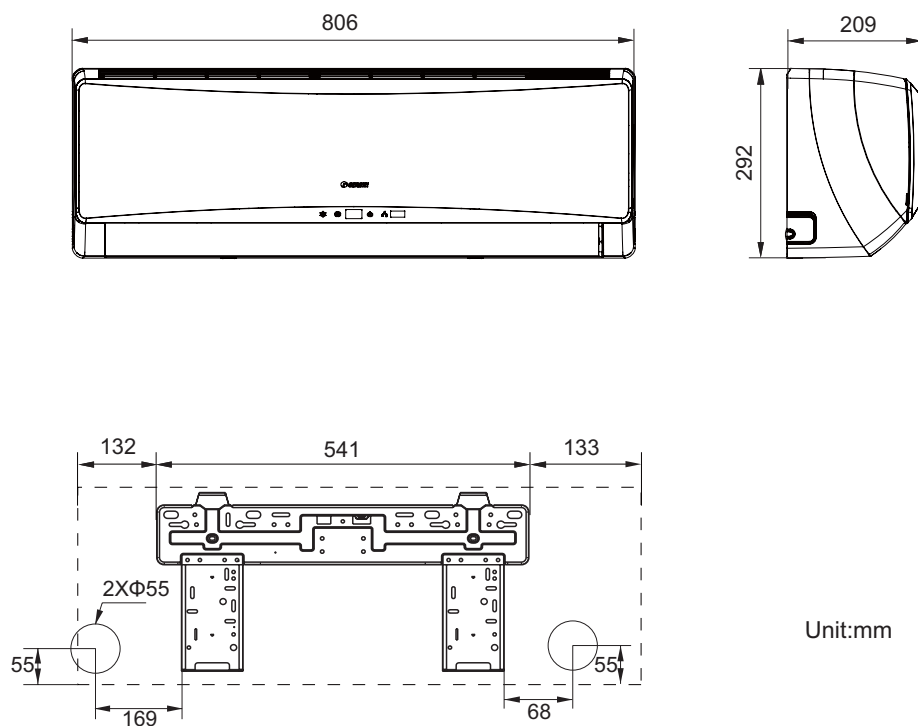
P: Pressure at the side of big valve

Connection pipe length: 7.5 m.

3. Outline Dimension Diagram

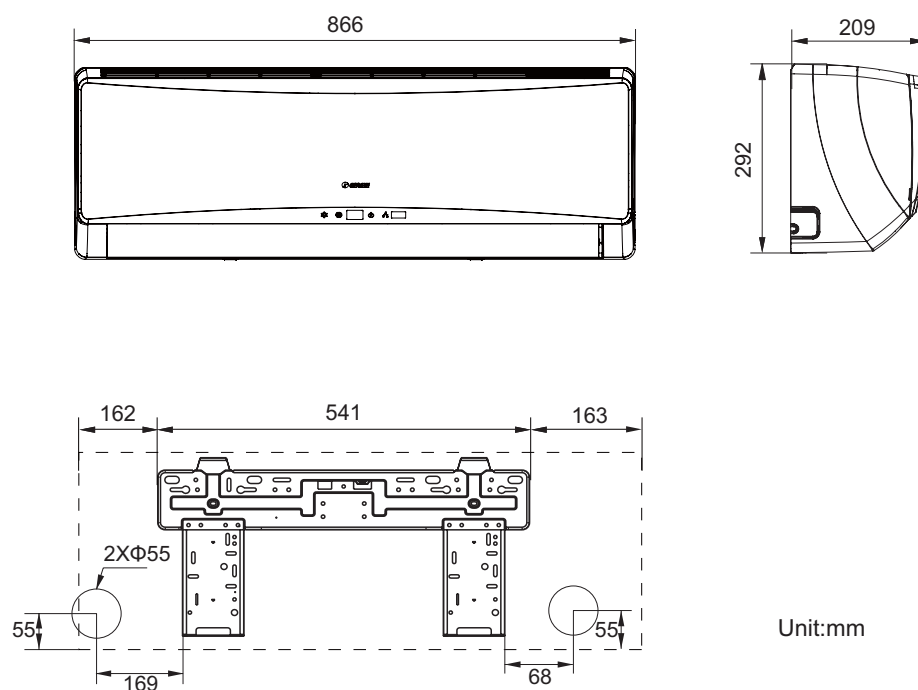
3.1 Indoor Unit

09K:



Unit:mm

12K:



Unit:mm