

## 2. Specifications

### 2.1 Unit Specifications

Model			GWH09TB-S3DNA1B	
Product Code			CB148000300	
Power Supply	Rated Voltage	V ~	220-240	
	Rated Frequency	Hz	50/60	
	Phases		1	
Power Supply Mode			Indoor	
Cooling Capacity (Min ~ Max)		W	2500(700 ~ 4400)	
Heating Capacity (Min ~ Max)		W	2750(720 ~ 4800)	
Cooling Power Input (Min ~ Max)		W	485(170 ~ 1350)	
Heating Power Input (Min ~ Max)		W	540(150 ~ 1400)	
Cooling Power Current		A	2.13	
Heating Power Current		A	2.37	
Rated Input		W	1400	
Rated Current		A	6.20	
Air Flow Volume(Max ~ Min)		m <sup>3</sup> /h	730/670/610/530/460/410/380	
Dehumidifying Volume		L/h	0.8	
EER		W/W	5.15	
COP		W/W	5.10	
SEER		W/W	/	
HSPF		W/W	/	
Application Area		m <sup>2</sup>	12-18	
Indoor Unit	Model of indoor unit		GWH09TB-S3DNA1B/I	
	Fan Type		Cross-flow	
	Diameter Length(DXL)		mm	Φ98X662
	Fan Motor Cooling Speed (Max ~ Min)		r/min	1300/1050/1000/900/800/700/500
	Fan Motor Heating Speed (Max ~ Min)		r/min	1300/1150/1080/1030/980/900/850
	Output of Fan Motor		W	15
	Fan Motor RLA		A	0.07
	Fan Motor Capacitor		μF	/
	Input of Heater		W	/
	Evaporator Form			Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7
	Row-fin Gap		mm	3-1.5
	Coil Length (LXDXW)		mm	662X25.4X305
	Swing Motor Model			MP24HA/MP24HB/MP24HC
	Output of Swing Motor		W	2.4/2.4/2.4
	Fuse		A	3.15
	Sound Pressure Level (Max ~ Min)		dB (A)	42/36/34/32/28/24/21
	Sound Power Level (Max ~ Min)		dB (A)	52/46/44/42/38/34/31
	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	Model of Outdoor Unit		GWH09TB-S3DNA1B/O	
	Compressor Manufacturer/Trademark		China Resources (Shenyang) Sanyo CO.,LTD./SANYO	
	Compressor Model		C-6RZ110H1A	
	Compressor Oil		FV50S	
	Compressor Type		Rotary	
	L.R.A.	A		33.00
	Compressor RLA	A		4.59
	Compressor Power Input	W		800
	Overload Protector			1nt11I-3979
	Throttling Method			Electron expansion valve
	Operation temp	°C		16 ~ 30
	Ambient temp (cooling)	°C		10 ~ 48
	Ambient temp (heating)	°C		-20 ~ 30
	Condenser Form			Aluminum Fin-copper Tube
	Pipe Diameter	mm		Φ7
	Rows-fin Gap	mm		2.5-1.5
	Coil Length (LXDXW)	mm		733.5X57X550
	Fan Motor Speed	rpm		600/750/850
	Output of Fan Motor	W		40
	Fan Motor RLA	A		0.23
	Fan Motor Capacitor	μF		/
	Air Flow Volume of Outdoor Unit	m³/h		2000
	Fan Type			Axial-flow
	Fan Diameter	mm		Φ445
	Defrosting Method			Automatic Defrosting
	Climate Type			T1
	Isolation			I
	Moisture Protection			IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa		3.8
	Permissible Excessive Operating Pressure for the Suction Side	MPa		1.2
	Sound Pressure Level	dB (A)		49
	Sound Power Level	dB (A)		59
	Dimension (WXHXD)	mm		906X596X378
Dimension of Carton Box (LXWXH)	mm		945X417X630	
Dimension of Package (LXWXH)	mm		948X420X645	
Net Weight	kg		43	
Gross Weight	kg		47	
Refrigerant			R410A	
Refrigerant Charge	kg		1.30	
Connection Pipe	Length	m	5	
	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	

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

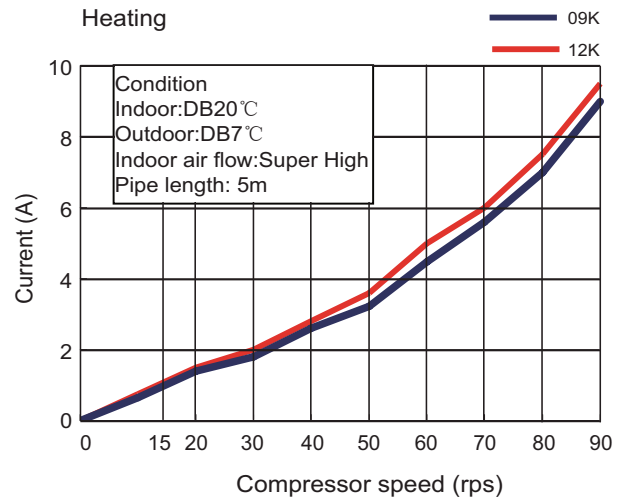
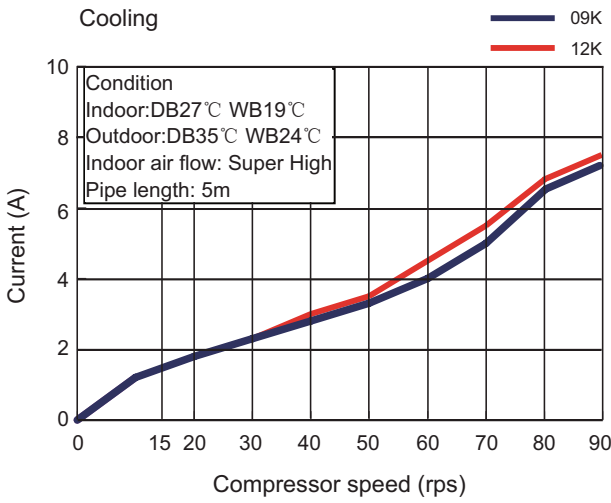
**Specifications**

Model			GWH12TB-S3DNA1B	
Product Code			CB148000400	
Power Supply	Rated Voltage	V ~	220-240	
	Rated Frequency	Hz	50/60	
	Phases		1	
Power Supply Mode			Indoor	
Cooling Capacity (Min ~ Max)		W	3500(700 ~ 4500)	
Heating Capacity (Min ~ Max)		W	3650(720 ~ 5500)	
Cooling Power Input (Min ~ Max)		W	825(182 ~ 1450)	
Heating Power Input (Min ~ Max)		W	830(190 ~ 1700)	
Cooling Power Current		A	3.62	
Heating Power Current		A	3.65	
Rated Input		W	1700	
Rated Current		A	7.50	
Air Flow Volume (Max ~ Min)		m <sup>3</sup> /h	770/670/610/530/460/410/380	
Dehumidifying Volume		L/h	1.4	
EER		W/W	4.25	
COP		W/W	4.40	
SEER		W/W	/	
HSPF		W/W	/	
Application Area		m <sup>2</sup>	16-24	
Indoor Unit	Model of indoor unit		GWH12TB-S3DNA1B/I	
	Fan Type		Cross-flow	
	Diameter Length(DXL)		mm	Φ98X662
	Fan Motor Cooling Speed (Max ~ Min)		r/min	1350/1070/1000/900/800/700/500
	Fan Motor Heating Speed (Max ~ Min)		r/min	1350/1150/1080/1030/980/900/850
	Output of Fan Motor		W	15
	Fan Motor RLA		A	0.07
	Fan Motor Capacitor		μF	/
	Input of Heater		W	/
	Evaporator Form			Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7
	Row-fin Gap		mm	3-1.5
	Coil Length (LXDXW)		mm	662X25.4X305
	Swing Motor Model			MP24HA/MP24HB/MP24HC
	Output of Swing Motor		W	2.4/2.4/2.4
	Fuse		A	3.15
	Sound Pressure Level (Max ~ Min)		dB (A)	43/36/34/32/28/24/22
	Sound Power Level (Max ~ Min)		dB (A)	53/46/44/42/38/34/32
	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	Model of Outdoor Unit		GWH12TB-S3DNA1B/O	
	Compressor Manufacturer/Trademark		China Resources (Shenyang) Sanyo CO.,LTD./SANYO	
	Compressor Model		C-6RZ110H1A	
	Compressor Oil		FV50S	
	Compressor Type		Rotary	
	L.R.A.	A		33.00
	Compressor RLA	A		4.59
	Compressor Power Input	W		800
	Overload Protector			1nt11I-3979
	Throttling Method			Electron expansion valve
	Operation temp	°C		16 ~ 30
	Ambient temp (cooling)	°C		10 ~ 48
	Ambient temp (heating)	°C		-20 ~ 30
	Condenser Form			Aluminum Fin-copper Tube
	Pipe Diameter	mm		Φ7
	Rows-fin Gap	mm		2.5-1.5
	Coil Length (LXDXW)	mm		733.5X57X550
	Fan Motor Speed	rpm		600/750/850
	Output of Fan Motor	W		40
	Fan Motor RLA	A		0.23
	Fan Motor Capacitor	μF		/
	Air Flow Volume of Outdoor Unit	m <sup>3</sup> /h		2000
	Fan Type			Axial-flow
	Fan Diameter	mm		Φ445
	Defrosting Method			Automatic Defrosting
	Climate Type			T1
	Isolation			I
	Moisture Protection			IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa		3.8
	Permissible Excessive Operating Pressure for the Suction Side	MPa		1.2
	Sound Pressure Level	dB (A)		49
	Sound Power Level	dB (A)		59
Dimension (WXHXD)	mm		906X596X378	
Dimension of Carton Box (LXWXH)	mm		945X417X630	
Dimension of Package (LXWXH)	mm		948X420X645	
Net Weight	kg		43	
Gross Weight	kg		47	
Refrigerant			R410A	
Refrigerant Charge	kg		1.30	
Connection Pipe	Length	m	5	
	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	

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

