

1. Summary

Indoor Unit:

A1 Panel



Remote Controller:

YAP1F7

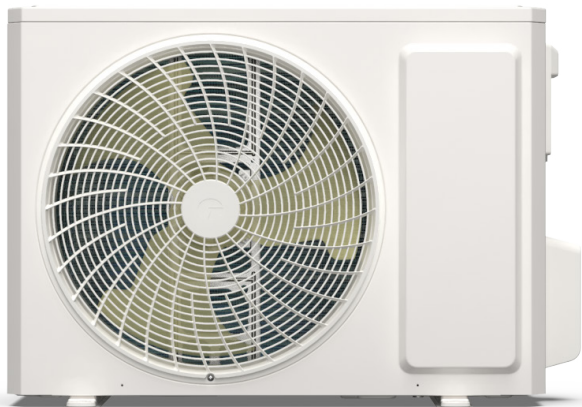


Outdoor Unit:

SOH09MN-E32DA1A/O



SOH12MN-E32DA1D/O



Model list:

No.	Model	Product code	Indoor model	Indoor product code	Outdoor model	Outdoor product code	Remote Controller
1	SOH09MN-E32DA1A	CB348014600	SOH09MN-E32DA1A/I	CB348N14600	SOH09MN-E32DA1A/O	CB497W26500	YAP1F7
2	SOH12MN-E32DA1D	CB348014700	SOH12MN-E32DA1D/I	CB348N14700	SOH12MN-E32DA1D/O	CB603W10700	

2. Specifications

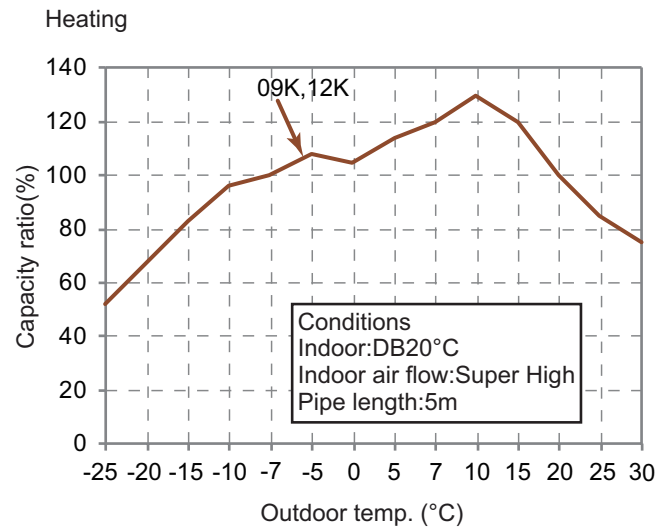
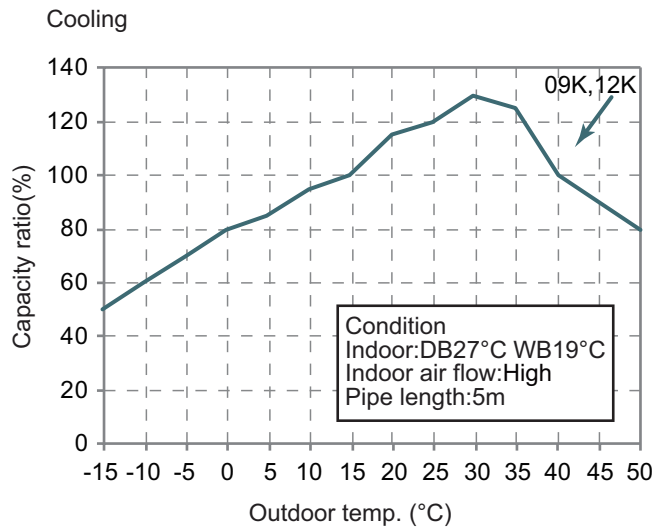
2.1 Specification Sheet

Model		-	SOH09MN-E32DA1A
Product Code		-	CB348014600
Power Supply	Rated Voltage	V~	220-240
	Rated Frequency	Hz	50
	Phases	-	1
Power Supply Mode		-	Outdoor
Cooling Capacity		W	2700
Heating Capacity		W	3000
Cooling Power Input		W	670
Heating Power Input		W	674
Cooling Current Input		A	3.5
Heating Current Input		A	3.5
Rated Input		W	1400
Rated Cooling Current		A	6
Rated Heating Current		A	6.5
Air Flow Volume		m ³ /h	610/530/500/450/350/290/230/180
Dehumidifying Volume		L/h	0.8
EER		W/W	4.03
COP		W/W	4.45
SEER		-	8.5
SCOP(Average/Warmer/Colder)		-	4.6/5.7/3.5
Application Area		m ²	12-18
Indoor Unit	Indoor Unit Model	-	SOH09MN-E32DA1A/I
	Indoor Unit Product Code	-	CB348N14600
	Fan Type	-	Cross-flow
	Fan Diameter Length (DXL)	mm	Φ98×633.5
	Cooling Speed	r/min	1200/1100/1050/950/800/700/650/500
	Heating Speed	r/min	1200/1100/1040/950/900/880/850
	Fan Motor Power Output	W	20
	Fan Motor RLA	A	0.2
	Fan Motor Capacitor	μF	/
	Evaporator Form	-	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ5
	Evaporator Row-fin Gap	mm	2-1.4
	Evaporator Coil Length (LXD _{XW})	mm	635×22.8×306.3
	Swing Motor Model	-	MP24EB/MP24HF
	Swing Motor Power Output	W	1.5/1.5
	Fuse Current	A	3.15
	Sound Pressure Level	dB (A)	Cooling: 39/37/34/31/26/23/22/18 Heating: 39/37/34/31/30/29/28
	Sound Power Level	dB (A)	Cooling: 57/51/48/45/40/37/36/32 Heating: 57/51/48/45/44/43/42
	Dimension (WXH _{XD})	mm	894X291X211
	Dimension of Carton Box (LXWXH)	mm	943X349X278
	Dimension of Package (LXWXH)	mm	948X365X289
	Net Weight	kg	10
	Gross Weight	kg	12

Outdoor Unit	Outdoor Unit Model	-	SOH09MN-E32DA1A/O
	Outdoor Unit Product Code	-	CB497W26500
	Compressor Manufacturer	-	ZHUHAI LANDA COMPRESSOR CO., LTD.
	Compressor Model	-	QXF-N082zC170
	Compressor Oil	-	FW68DA or RA68EH equivalent
	Compressor Type	-	Rotary
	Compressor LRA	A	/
	Compressor RLA	A	3.4
	Compressor Power Input	W	630
	Compressor Overload Protector	-	/
	Throttling Method	-	Electron expansion valve
	Set Temperature Range	°C	16~30
	Cooling Operation Ambient Temperature Range	°C	-15~50
	Heating Operation Ambient Temperature Range	°C	-25~30
	Condenser Form	-	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7
	Condenser Rows-fin Gap	mm	1-1.2
	Condenser Coil Length (LXDXW)	mm	666×19.05×527
	Fan Motor Speed	rpm	850
	Fan Motor Power Output	W	30
	Fan Motor RLA	A	0.4
	Fan Motor Capacitor	μF	/
	Outdoor Unit Air Flow Volume	m ³ /h	1950
	Fan Type	-	Axial-flow
	Fan Diameter	mm	Φ400
	Defrosting Method	-	Automatic Defrosting
	Climate Type	-	T1
	Isolation	-	I
	Moisture Protection	-	IPX4
	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	dB (A)	51
	Sound Power Level	dB (A)	61
	Dimension (WXHDX)	mm	732X555X330
	Dimension of Carton Box (LXWXH)	mm	791X373X590
	Dimension of Package (LXWXH)	mm	794X376X615
	Net Weight	kg	23.5
	Gross Weight	kg	26
	Refrigerant	-	R32
	Refrigerant Charge	kg	0.5
Connection Pipe	Connection Pipe Length	m	5
	Connection Pipe Gas Additional Charge	g/m	16
	Outer Diameter Liquid Pipe	inch	1/4
	Outer Diameter Gas Pipe	inch	3/8
	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.

2.2 Capacity Variation Ratio According to Temperature



2.3 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
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)		
27/19	35/24	09K	0.8 ~ 1.1	in: 12 out: 15	in: 65 out: 38	Super High	High
27/19	35/24	12K	0.9 ~ 1.1	in: 12 out: 14	in: 75 out: 37	Super High	High

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
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)		
20/-	7/6	09K	2.8 ~ 3.2	in: 63 out: 35	in: 2 out: 5	Super High	High
20/-	7/6	12K	2.8 ~ 3.2	in: 70 out: 35	in: 2 out: 4	Super High	High

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

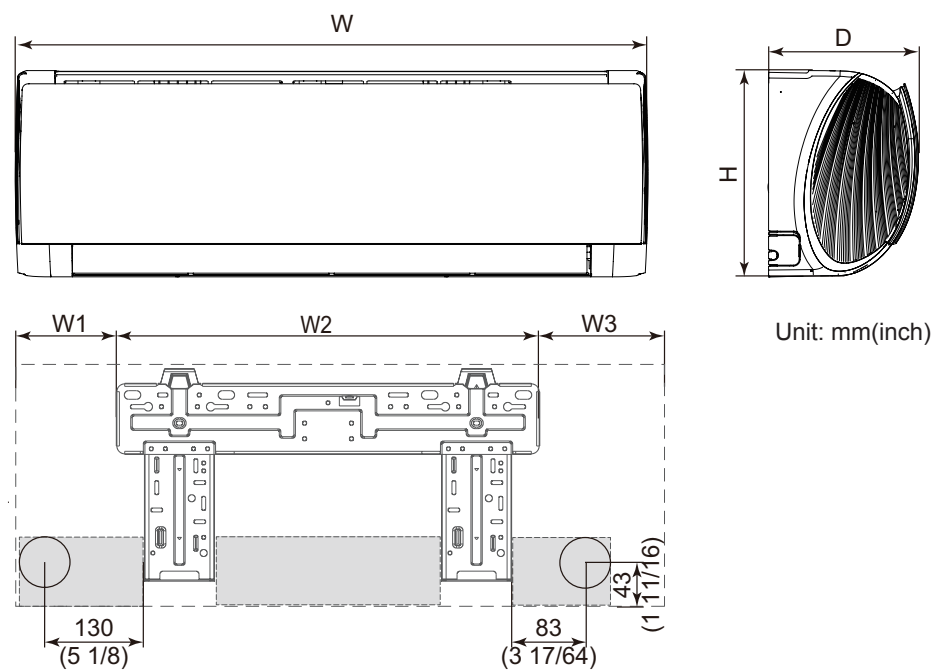
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

Connection pipe length: 5m.

3. Outline Dimension Diagram

3.1 Indoor Unit

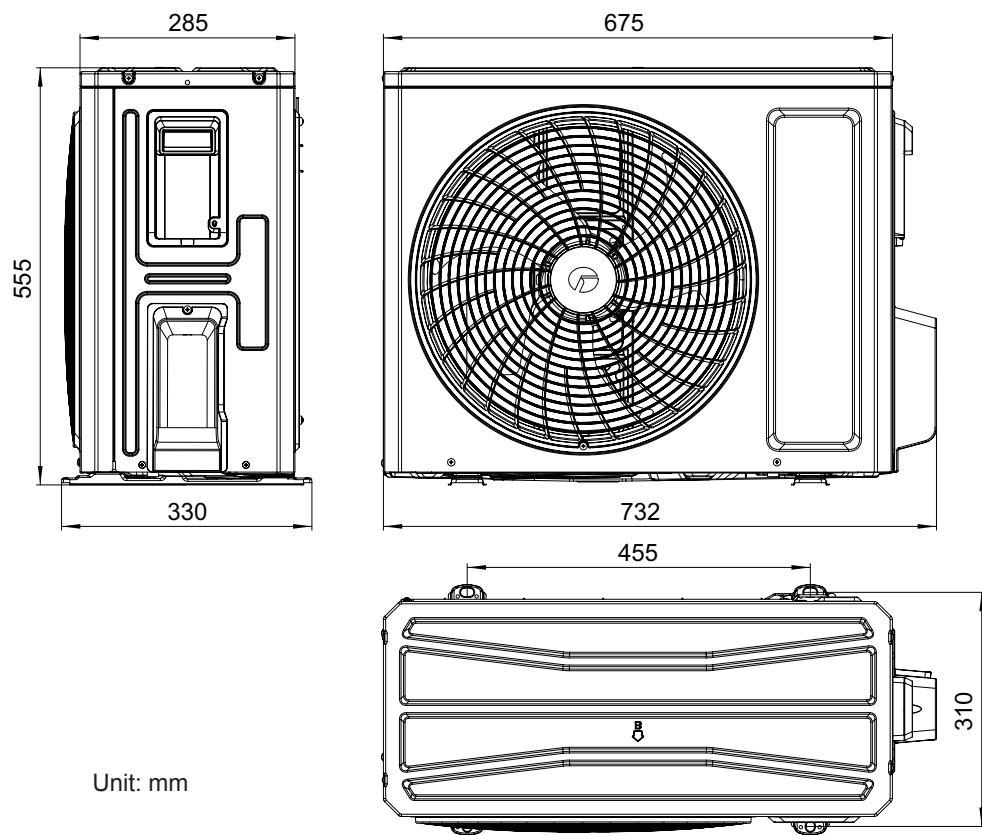


Unit: mm

Model	W	H	D	W1	W2	W3
SOH09/12MN	894	291	211	148	542	204

3.2 Outdoor Unit

SOH09MN-E32DA1A/O



SOH12MN-E32DA1D/O

