

Model No.		ABSCI/EM4H4S09	ABSCI/EM4H4S12
Type		T1, INVERTER	T1, INVERTER
Performance			
Cooling Capacity	Btu/h	9000	12000
Heating Capacity	Btu/h	9500	13000
Cooling Capacity Range	Btu/h	3600-10000	4000-13500
Heating Capacity Range	Btu/h	3600-10500	4000-14000
Rated Input-Cooling	W	670	920
Rated Input-Heating	W	730	1130
SEER	Cooling	21.5	20.5
HSPF	Heatling	10.5	10.8
EER for Cooling	Btu/W	13.43	13.04
COP for Heating	Btu/W	13.01	11.50
E-STAR__V5.0	ASHP: SEER>15, EER>12.5, HSPF>8.5 CAC: SEER>15, EER>12.5	Yes	Yes
Most Efficient 2016	ASHP: SEER>20, EER>12.5, HSPF>10 CAC: SEER>20, EER>12.5	Yes	Yes
CEE Qualifying Tier	Tier0 - 14.5SEER, 12EER, (8.5HSPF) Tier1 - 15SEER, 12.5EER, (8.5HSPF) Tier2 - 16SEER, 13EER, (9HSPF) Tier3 - 18SEER,13EER, (10HSPF)	Tier3	Tier3
Moisture Removal	L/H.r	0.9	1.2
Air Circulation	m3/h	580	620
Refrigerant		R410A	R410A
Refrigerant charge volume	g	950	1160
Indoor Sound Pressure(H/M/L/silence)	dB (A)	38/32/29/26	39/32/29/26
Outdoor Sound pressure	dB (A)	53	53
Voltage, Frequency, Phase	V	230V~,208V~,60Hz,1P	
Rated Current	Cooling (A)	3.1	4.1
	Heating (A)	3.3	5.0
Current Range	Cooling (A)	1.0-6.5	1.2-7.0
	Heating (A)	1.0-6.5	1.2-7.0
System			
Compressor type		Rotary	Rotary
Compressor MFG		Hitachi	GMCC
Expansion Device		capillary	capillary
Compressor model #		ASD088RKQA6JT6	ASN108D32UFZ
Indoor DC motor		No	No
Indoor motor MFG		Weiling	Weiling
Indoor motor model #		DG13G1-21	DG13G1-21

Indoor motor power ioutput	W	14	14
Indoor motor speed	H/M/L	1250/1100/9500	1250/1100/9500
Outdoor DC motor		Yes	Yes
Outdoor motor MFG		Welling	WOLONG
Outdoor motor model #		ZWA138D08A	ZWA138D08A
Outdoor motor power input	W	30	30
Outdoor motor speed	H/M/L	880/650/450	800/650/450
Evaporator			
Evaporator material		Copper tube and Aluminum Fin	
Number of rows		2	2
Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube
Evaporator length x height x width	mm	620x294x27.2	620x294x27.2
Tube pitch(a)x row pitch(b)	mm	21x13.6	21x13.6
Fin spacing	mm	1.4	1.4
Condenser			
Condenser material		Copper tube and Aluminum Fin	
Number of rows		2	2
Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube
Condensor length x height x width	mm	(684+655)X462x36.4	842x546x18.19 +813x546x18.19
Tube pitch(a)x row pitch(b)	mm	21x18.19	21x18.19
Fin spacing	mm	1.4	1.4
Connecting Pipe Diameter			
Liquid Pipe	inch	1/4	1/4
Gas Pipe	inch	3/8	3/8
Others			
Net Dimensions WxHxD (mm)	Indoor Unit mm	835×280×220	835×280×220
	Indoor Unit in	32 7/8x11x8 11/16	32 7/8x11x8 11/16
	Outdoor Unit mm	715×482×240	810x585x280
	Outdoor Unit in	28 1/8x19x9 7/16	31 7/8x23x11
Net Weight (Kg)	Indoor Unit	8.5	9.0
	Outdoor Unit	27.0	33.0
Packing Dimensions WxHxD (mm)(With pipe)	Indoor Unit mm	870×335×265	870×335×265
	Indoor Unit in	34 1/4x13 3/16x10 7/16	34 1/4x13 3/16x10 7/16
	Outdoor Unit mm	830×530×340	940x640x385
	Outdoor Unit in	32 11/16x20 7/8x13 3/8	37x25 3/16x15 3/16
Gross Weight (Kg)	Indoor Unit	11.0	11.0
	Outdoor Unit	30	36
Loading Capacity NO pipe(40'HC )		335	225
Test Standard		ARI 210-240	ARI 210-240

Approvals	ETL/AHRI	ETL/AHRI
Features		
LED Display on Front Panel	Yes	Yes
LED Dimmer	Yes	Yes
7 Indoor Fan Speed	Yes	Yes
LCD Wireless Remote Controller	Yes	Yes
"I feel" in remote controller	Yes	Yes
Back lighting remote controller	Yes	Yes
-20°C (-4°F) Heating	Yes	Yes
-15°C (5°F) Cooling	Yes	Yes
Working Temperature Range - Cooling (°C/°F)	-15°C-46°C; (5°F-115°F)	-15°C-46°C; (5°F-115°F)
Working Temperature Range - Heating (°C/°F)	-20°C-24°C; (-4°F-75°F)	-20°C-24°C; (-4°F-75°F)
Remote Control Adjustable Temperature Range - Cooling	16°C-30°C; (61°F-86°F)	16°C-30°C; (61°F-86°F)
Remote Control Adjustable Temperature Range - Heating	16°C-30°C; (61°F-86°F)	16°C-30°C; (61°F-86°F)
8°C (46°F) Heating to avoid freezing water pipe in Kitchen	Yes	Yes
°C & °F convertible	Yes	Yes
2 Ways Draining Connection (Left or Right)	Yes	Yes
Compressor Intelligent Pre-heating	Yes	Yes
Smart Function	Yes	Yes
Super Function	Yes	Yes
Auto Restart	Yes	Yes
Auto Defrost	Yes	Yes
Auto Cleaning	Yes	Yes
Quiet Mode	Yes	Yes
24 Hours Timer	Yes	Yes
Removable and washable Panel	Yes	Yes
Louver Position Memory	Yes	Yes
Washable High Definition Filter	Yes	Yes
Horizontal Auto Swing Louver	Yes	Yes
Chassis Electric heater function	Yes	Yes
Vertical Auto Swing Louver	Yes	Yes
Healthy Filter(catechins,VC,HEPA,jasmine aroma filter)	Optional	Optional
Wired control	Optional	Optional