

Model No.		ABSCI/EM4H4S18	ABSCI/EM4H4S24
Type		T1, INVERTER	T1, INVERTER
Performance			
Cooling Capacity	Btu/h	18000	24000
Heating Capacity	Btu/h	19000	24500
Cooling Capacity Range	Btu/h	6500-19500	8000-26500
Heating Capacity Range	Btu/h	6500-20000	8000-26500
Rated Input-Cooling	W	1385	2035
Rated Input-Heating	W	1595	2080
SEER	Cooling	23.3	20.5
HSPF	Heatling	11.6	11.8
EER for Cooling	Btu/W	13.00	11.73
COP for Heating	Btu/W	11.90	11.78
E-STAR__V5.0	ASHP: SEER>15, EER>12.5, HSPF>8.5 CAC: SEER>15, EER>12.5	Yes	No
Most Efficient 2016	ASHP: SEER>20, EER>12.5, HSPF>10 CAC: SEER>20, EER>12.5	Yes	No
CEE Qualifying Tier	Tier0 - 14.5SEER, 12EER, (8.5HSPF) Tier1 - 15SEER, 12.5EER, (8.5HSPF) Tier2 - 16SEER, 13EER, (9HSPF) Tier3 - 18SEER,13EER, (10HSPF)	Tier3	No
Moisture Removal	L/H.r	1.5	2.4
Air Circulation	m3/h	1100	1200
Refrigerant		R410A	R410A
Refrigerant charge volume	g	1550	1880
Indoor Sound Pressure(H/M/L/silence)	dB (A)	45/41/37/34	48/45/40/36
Outdoor Sound pressure	dB (A)	55	58
Voltage, Frequency, Phase	V	230V~,208V~,60Hz,1P	
Rated Current	Cooling (A)	6.3	9.2
	Heating (A)	7.2	9.3
Current Range	Cooling (A)	1.5-12	1.8-13
	Heating (A)	1.5-12	1.8-13
System			
Compressor type		Rotary	Rotary
Compressor MFG		GMCC	GMCC
Expansion Device		capillary	capillary
Compressor model #		ATM150D43UFZ	ATF235D22UMT
Indoor DC motor		Yes	Yes
Indoor motor MFG		Weiling	Weiling
Indoor motor model #		K1B310497	K1B310497

Indoor motor power ioutput	W	35	35
Indoor motor speed	H/M/L	1100/960/800	1200/1040/880
Outdoor DC motor		Yes	Yes
Outdoor motor MFG		Broad-ocean	Broad-ocean
Outdoor motor model #		DG13Z2D-04	DG13Z2-21
Outdoor motor power input	W	60	61
Outdoor motor speed	H/M/L	840/650/500	1200/550/500
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	842x378x27.2	842x336x272
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	895×630×18.2 867×630×18.2	842x27.2x378
Tube pitch(a)x row pitch(b)	mm	21x18.19	21x18.19
Fin spacing	mm	1.6	1.5
Connecting Pipe Diameter			
Liquid Pipe	inch	1/4	3/8
Gas Pipe	inch	1/2	5/8
Others			
Net Dimensions WxHxD (mm)	Indoor Unit mm	1100×325×244	1100×325×244
	Indoor Unit in	43 5/16x12 13/16x9 5/8	43 5/16x12 13/16x9 5/8
	Outdoor Unit mm	860x650x310	885×795×366
	Outdoor Unit in	33 7/8x25 9/16x12 3/16	34 7/8x31 5/16x14 3/8
Net Weight (Kg)	Indoor Unit	14.5	14.5
	Outdoor Unit	45	56
Packing Dimensions WxHxD (mm)(With pipe)	Indoor Unit mm	1170×390×315	1170×390×315
	Indoor Unit in	46 1/16x15 3/8x12 7/16	46 1/16x15 3/8x12 7/16
	Outdoor Unit mm	995x730x445	1050×890×500
	Outdoor Unit in	39 3/16x28 3/4x17 1/2	41 11/32x35x19 11/16
Gross Weight (Kg)	Indoor Unit	17.0	17.0
	Outdoor Unit	49	64
Loading Capacity NO pipe(40'HC )		150	115
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