

Titanium Series Specifications

Model No.		ATUCI/EM4H1S09	ATUCI/EM4H1S12
Type		T1, INVERTER	T1, INVERTER
Performance			
Cooling Capacity	Btu/h	9000	12000
Heating Capacity	Btu/h	9500	13000
Cooling Capacity Range	Btu/h	1200-10000	2500-13500
Heating Capacity Range	Btu/h	1200-10000	2500-14500
Power Input-Cooling	W	810	1200
Power Input-Heating	W	810	1200
SEER	Cooling	19.3	17.9
HSPF	Heatling	10.5	9.35
EER for Cooling	Btu/W	11.11	10.00
COP for Heating	Btu/W	11.73	10.83
Moisture Removal	L/H.r	0.9	1.2
Air Circulation	m3/h	550	620
Refrigerant		R410A	R410A
Refrigerant charge volume	g	810	1000
Indoor Sound Pressure (H/M/L/silence)	dB (A)	39/36/33	40/36/33
Outdoor Sound pressure	dB (A)	53	54
Airflow Indoor Unit (S/H/M/L)	m3/h	680/580/480/380	700/645/596/469
Airflow Outdoor Unit (H)	m3/h	1600	1600
Voltage, Frequency, Phase	V	115V~,60Hz,1P	115V~,60Hz,1P
Current input	Cooling (A)	7.4	10.8
	Heating (A)	7.4	10.8
Current Range	Cooling (A)	2.0-12	2.5-15
	Heating (A)	2.0-12	2.5-15
System			
Compressor type		Rotary	Rotary
Compressor Manufacturer		Hitachi	GMCC
Expansion Device		capillary	capillary
Compressor model #		ASD088RKQA6JT6	ASN108D32UFZ
Indoor DC motor		No	No
Indoor motor MFG		Weiling	Weiling
Indoor motor model #		DG13G1-17(E)	DG13G1-17(E)
Indoor motor power input	W	39	39
Indoor motor speed	S/H/M/L	1250/1100/950	1250/1100/950
Outdoor DC motor		YES	YES
Outdoor motor MFG		WOLONG	WOLONG
Outdoor motor model #		K1B310359	K1B310359
Outdoor motor power input	W	41	41
Outdoor motor speed	H/M/L	850/600/450	850/600/450
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	550x 294x27.2	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		1.5	2
Tube outside dia.and type	mm	φ7 innergroove tube	φ7 innergroove tube
f.Condensor length x height x width	mm	(695+400) x462x36.4	695x462x36.4
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

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Others			
Net Dimensions WxHxD	Indoor Unit mm	745x270x214	815x270x214
	Indoor Unit in	29 5/16 x 10 5/8 x 8 7/16	32 1/16 x 10 5/8 x 8 7/16
	Outdoor Unit mm	715x482x240	715x482x240
	Outdoor Unit in	28 1/8 x 19 x 9 7/16	28 1/8 x 19 x 9 7/16
Net Weight (lbs)	Indoor Unit	18.7	19.8
	Outdoor Unit	55.1	59.5
Packing Dimensions WxHxD	Indoor Unit mm	800x335x265	870x335x265
	Indoor Unit in	31 1/2 x 13 3/16 x 10 7/16	34 1/4 x 13 3/16 x 10 7/16
	Outdoor Unit mm	830x530x340	830x530x340
	Outdoor Unit in	32 11/16 x 20 7/8 x 13 3/8	32 11/16 x 20 7/8 x 13 3/8
Gross Weight (lbs)	Indoor Unit	22.0	24.3
	Outdoor Unit	59.5	66.1
Loading Capacity NO pipe(40'HC)		345	335
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
-15°C (5°F) Heating		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
Healthy Filter(catechins,VC,HEPA,jasmine aroma filter)		Optional	Optional
Wired control		Optional	Optional

Above contents are subjected to changed according to the testing and improvements.