



# Submittal Sheet

Submitted for:  Approval  Record

Job Name: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Tag: \_\_\_\_\_

## **AIR-CON TITANIUM SERIES DC INVERTER**

**Outdoor Units: ATUCI4H1S09**

**Indoor Units: ATUEM4H1S09**

**ATUCI4H1S12**

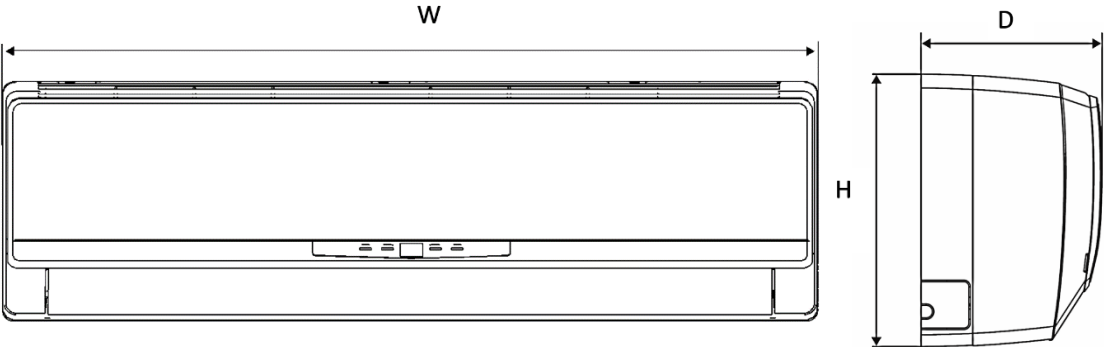
**ATUEM4H1S12**

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Summary, Features, and Construction Views

**Indoor Unit**

ATUEM4H1S09  
 ATUEM4H1S12



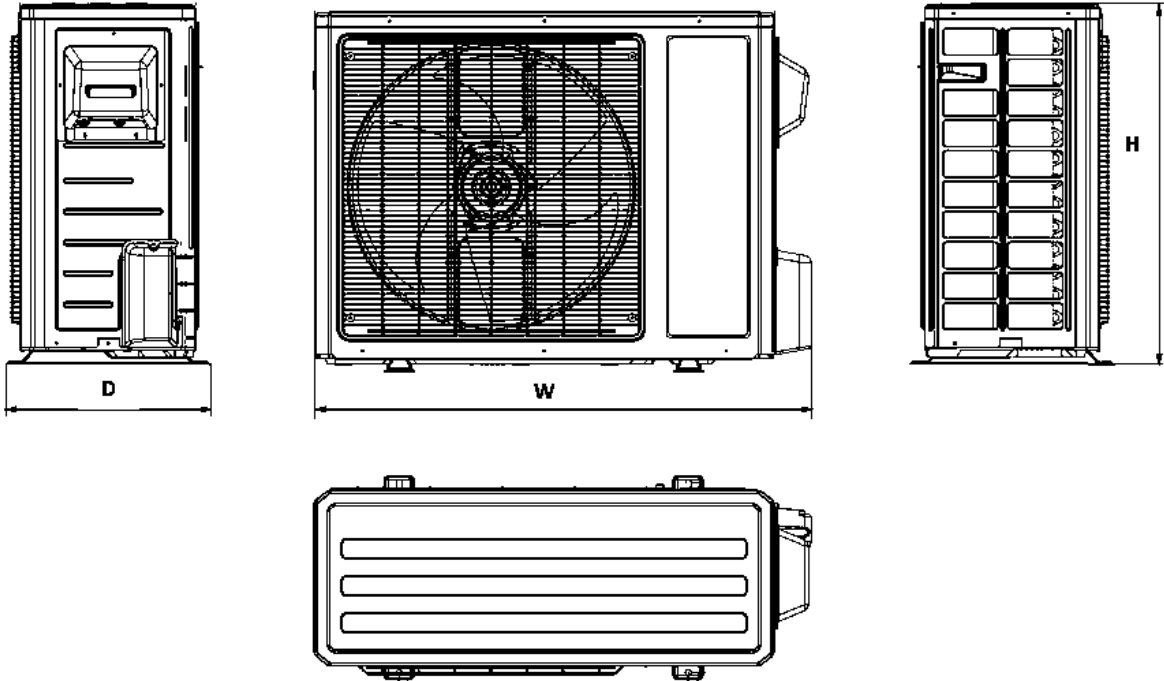
Unit: mm			
Model	W	H	D
ATUEM4H1S09	745	270	214
ATUEM4H1S12	815	270	214
Unit: Inches			
ATUEM4H1S09	29-5/16	10-5/8	8-7/16
ATUEM4H1S12	32-1/16	10-5/8	8-7/16

\*True dimensions in mm

Summary, Features, and Construction Views

**Outdoor Unit**

ATUCI4H1S09 & ATUCI4H1S12



Unit: mm			
Model	W	H	D
ATUCI4H1S09	715	482	240
ATUCI4H1S12	715	482	240
Unit: Inches			
ATUCI4H1S09	28-1/8	19	9-7/16
ATUCI4H1S12	28-1/8	19	9-7/16

\*True dimensions in mm

## Specifications

### Specifications

#### 9000 and 12000 BTU units

Parameter		Unit	Value	
Model			ATUEM4H1S09/ATUCI4H1S09	ATUEM4H1S12/ATUCI4H1S12
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Cooling Capacity		Btu/h	9000(1200~10000)	12000(2500~13500)
Heating Capacity		Btu/h	9500(1200~10000)	13000(2500~14500)
Max. Cooling Power Input		W	810	1200
Max. Heating Power Input		W	810	1200
Cooling Current Input		A	7.4(2.0~12)	10.8(2.5~15)
Max. Heating Current Input		A	7.8(2.0~12)	10.8(2.5~15)
EER		Btu/Wh	11.11	10.00
SEER			19.3	17.9
HSPF			10.5	9.35
COP		Btu/Wh	11.73	10.83
Indoor Unit	Indoor Unit Model		ATUEM4H1S09	ATUEM4H1S12
	Fan Type		Cross-flow	Cross-flow
	Fan Motor Power Output	W	39	39
	Fan Motor Speed (H/M/L)	RPM	1250/1100/950	1250/1100/950
	Evaporator Form		Aluminum Fin-copper tube	Aluminum Fin-copper tube
	Fan Motor Mfg.		Weiling	Weiling
	Fan Motor model#		DG13G1-17(E)	DG13G1-17(E)
	Air Circulation	m <sup>3</sup> /h	550	620
		CFM	323	365
	Moisture Removal	L/h	0.9	1.2
		oz/m	30.4	40.6
	Set Temperature Range-Cooling	°C	16~30	16~30
		°F	61~86	61~86
	Set Temperature Range-Heating	°C	16~30	16~30
		°F	61~86	61~86
	Indoor noise (H/M/L)	dB(A)	39/36/33	40/36/33
	Dimension (WXHXD)	mm	745X270X214	815X270X214
Inch		29-5/16X10-5/8X8-7/16	32-1/16X10-5/8X8-7/16	
Dimension of Package (WXHXD)	mm	800X335X265	870X335X265	
	Inch	31-1/2X13-3/16X10-7/16	34-1/4X13-3/16X10-7/16	

	Net Weight	kg	8.5	9.0
		lb	18.7	19.8
	Gross Weight	kg	10.0	11.0
		lb	22.0	24.3
Outdoor Unit	Outdoor Unit Model		ATUCI4H1S09	ATUCI4H1S12
	Compressor Type		Rotary	Rotary
	Compressor Manufacturer		Hitachi	GMCC
	Compressor Model		ASD088RKQA6JT6	ASN108D32UFZ
	Expansion Device		Capillary	Capillary
	Fan Motor Mfg.		Wolong	Wolong
	Fan Motor Model#		K1B310359	K1B310359
	Outdoor Motor Power Input	W	41	41
	Outdoor Motor Speed (H/M/L)	RPM	850/600/450	850/600/450
	Outdoor Noise Level	dB(A)	53	54
	Ambient Temperature Range (Cooling)	°C	0~46	0~46
		°F	32~115	32~115
	Ambient Temperature Range (Heating)	°C	-20~24	-20~24
		°F	-4~75	-4~75
	Dimension (WXHxD)	mm	715X482X240	715X482X240
		in	28-1/8X19X9-7/16	28-1/8X19X9-7/16
	Dimension of Package (WXHxD)	mm	830X530X340	830X530X340
		in	32-11/16X20-7/8X13-3/8	32-11/16X20-7/8X13-3/8
	Net Weight	kg	25.0	27.0
		Lbs		
	Gross Weight	kg	27.0	30.0
		Lbs	59.5	66.1
	Refrigerant		R410A	R410A
	Refrigerant Charge	grams	810	1000
		oz	28.6	35.3
	Liquid Pipe Diameter	Inches	1/4	1/4
Gas Pipe Diameter	Inches	3/8	3/8	
Electric Breaker		1 Pole 15Amps	1 Pole 20Amps	

**AHRI Certifications and SEER Rating**

<b>Indoor unit model</b>	<b>Outdoor unit model</b>	<b>AHRI Certification Reference Number</b>	<b>Rated Capacity (Btu/h)</b>	<b>SEER (Cooling) Btu/Wh</b>	<b>EER (Cooling) Btu/Wh</b>	<b>Heating Capacity (Btuh @ 47°F)</b>	<b>HSPF</b>
ATUEM4H1S09	ATUCI4H1S09	10272498	9000	19.3	11.0	10000	10.5
ATUEM4H1S12	ATUCI4H1S12	10272499	12000	17.9	10.0	13200	9.35