



## Submittal Sheet

Submitted for:       Approval       Record

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

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

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

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

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

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

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

**Outdoor Units: ALVCI4H1G09**

**Indoor Units: ALVEM4H1G09**

**ALVCI4H1G12**

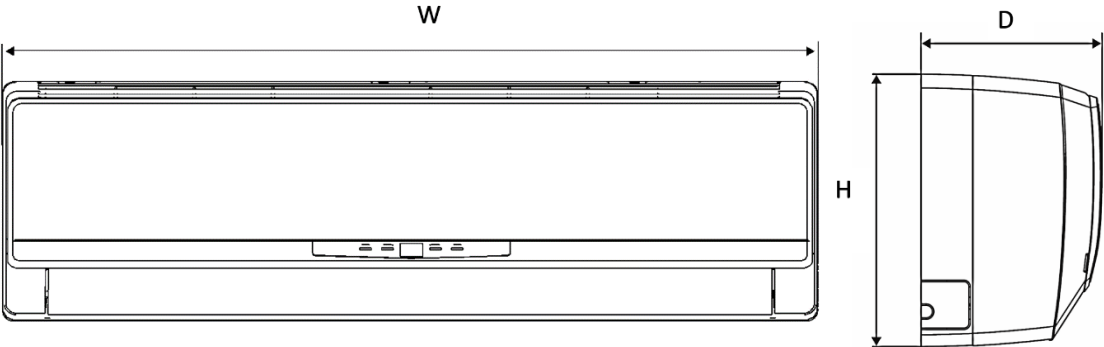
**ALVEM4H1G12**

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

Summary, Features, and Construction Views

**Indoor Unit**

ALVEM4H1G09  
ALVEM4H1G12



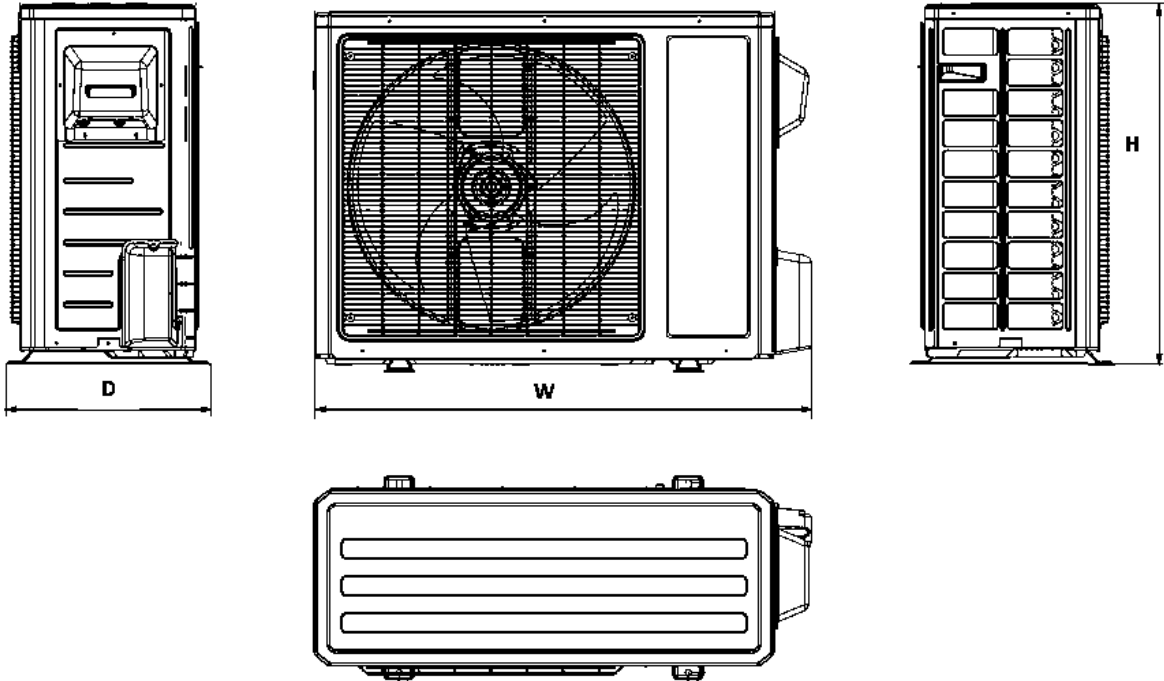
Unit: mm			
Model	W	H	D
ALVEM4H1G09	800	280	190
ALVEM4H1G12			
Unit: Inches			
ALVCI4H1G09	31.5	11.0	7.5
ALVCI4H1G12			

\*True dimensions in mm

Summary, Features, and Construction Views

Outdoor Unit

ALVCI4H1G09 & ALVCI4H1G12



Unit: mm			
Model	W	H	D
ALVCI4H1G09	715	540	235
ALVCI4H1G12	812	540	256
Unit: Inches			
ALVCI4H1G09	28.15	21.25	9.25
ALVCI4H1G12	32.0	21.25	10.0

\*True dimensions in mm

## Specifications

### Specifications

#### 9000 and 12000 BTU units

Parameter		Unit	Value	
Model			ALVEM4H1G09/ALVCI4H1G09	ALVEM4H1G12/ALVCI4H1G12
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Cooling Capacity		Btu/h	9000	12000
Heating Capacity		Btu/h	11000	13500
Max. Cooling Power Input		W	1200	1400
Max. Heating Power Input		W	1100	1300
Max. Cooling Current Input		A	14.0	16.0
Max. Heating Current Input		A	11.0	12.0
EER		Btu/Wh	12.0	12.0
SEER		Btu/Wh	16	16
HSPF		Btu/Wh	8.5	8.5
Indoor Unit	Indoor Unit Model		ALVEM4H1G09	ALVEM4H1G12
	Fan Type		Cross-flow	Cross-flow
	Fan Motor Power Output	W	40	40
	Fan Motor RLA	A	0.2	0.2
	Evaporator Form		Aluminum Fin-copper tube	Aluminum Fin-copper tube
	Air Circulation	m <sup>3</sup> /h	500	500
		CFM	295	295
	Indoor noise	dB(A)	42	42
	Dimension (WXHXD)	inch	31.5X11.0X7.5	31.5X11.0X7.5
		mm	800X280X190	800X280X190
	Dimension of Package (LXWXH)	Inch	34X14X10.83	34X14X10.83
		mm	865X358X275	865X358X275
	Net Weight	lb	22	22
		kg	10	10
Gross Weight	lb	26.5	26.5	
	kg	12	12	
Outdoor Unit	Outdoor Unit Model		ALVCI4H1G09	ALVCI4H1G12
	Compressor Manufacturer		Panasonic	Panasonic
	L.R.A.	A	17.0	13.0
	Compressor RLA	A	6.8	5.5
	Minimum Circuit Ampacity	A	15.0	15.0
	Maximum Overcurrent Protection	A	20.0	20.0

Fusible Max	A	20.0	20.0
Output of Fan Motor	W	35.0	35.0
Fan Motor RLA	A	0.66	0.66
Fan Type		Axial Flow	Axial Flow
Discharge Side Pressure	MPa	1.72	1.72
	PSI	250	250
Suction Side Pressure	MPa	3.52	3.52
	PSI	510	510
Outdoor Noise Level	dB(A)	55	55
Dimension (WXHxD)	mm	715X540X235	812X540X256
	in	28.15X21.25X9.25	32X21.25X10.0
Dimension of Package (L/W/H)	mm	851X600X335	920X595X335
	in	33.5X23.6X13.2	36.2X23.4X13.2
Net Weight	kg	28	30
	Lbs	62	66
Gross Weight	kg	33	34
	Lbs	73	75
Refrigerant		R410A	R410A
Refrigerant Charge	grams	750	960
	Lbs	1.65	2.12
Electric Breaker		1 Pole 20Amps	1 Pole 20Amps