



Submittal Sheet

Submitted for: Approval Record

Job Name: _____

Date: _____

Contractor: _____

Location: _____

Engineer: _____

Tag: _____

36,000 BTU/H MINI SPLIT

Indoor Units: A16EM4H4R36

Outdoor Units: A16CI4H4R36

ALMCI4H4R36

ALMEM4H4R36

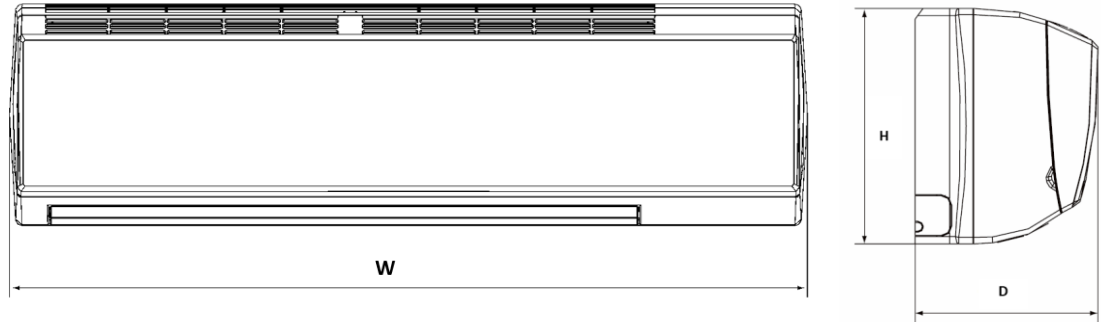
Notes: _____

Summary, Features, and Construction Views

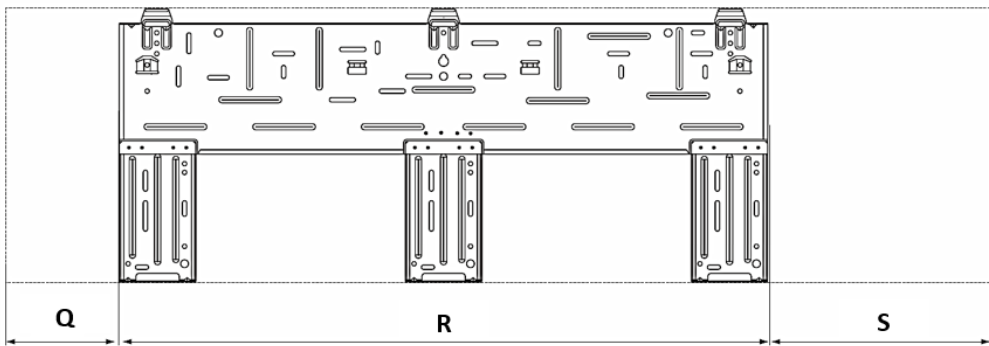
Indoor Unit

A16EM4H4R36

ALMEM4H4R36



Indoor Unit Wall Bracket:

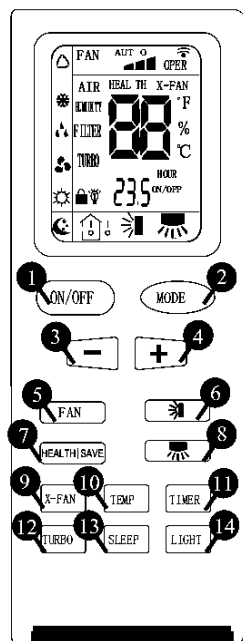


Unit: mm						
Model	W	H	D	Q	R	S
A16EM4H4R36	1349	325	254	254	747	348
ALMEM4H4R36	1350	326	253	254	747	348
Unit: Inches						
A16EM4H4R36	53.10	12.80	10.00	10.00	29.40	13.70
ALMEM4H4R36	53.15	12.84	9.96	10.00	29.40	13.70

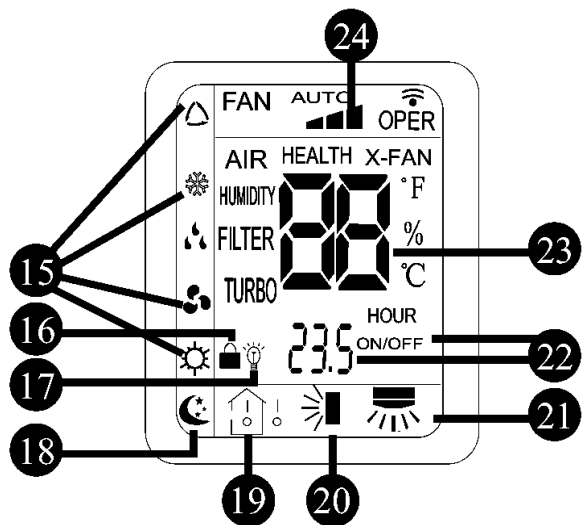
*True dimensions in inches

Summary, Features, and Construction Views

Remote Controller



Icon Display on Remote Controller



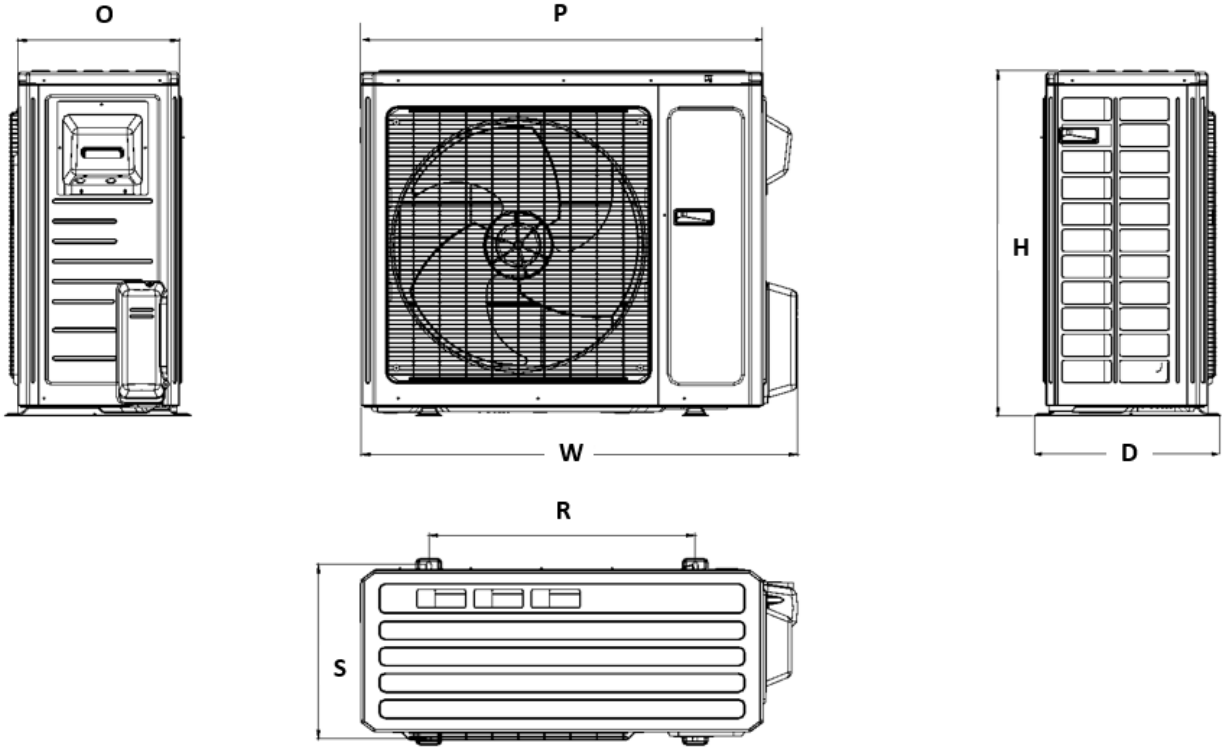
1	ON/OFF -Press to Start/Stop Operation
2	MODE -Press to select operation mode (AUTO/COOL/DRY/FAN/HEAT)
3	- Press to decrease temperature setting
4	+ Press to increase temperature setting
5	FAN -Press to set fan speed
6	Press to set swing angle
7	HEALTH SAVE Press to turn on or off health function
8	Press to set left & right swing angle
9	X-FAN : X-FAN is the alternative expression of BLOW for the purpose of understanding
10	TEMP
11	TIMER -Press to set timer ON/ timer OFF
12	TURBO
13	SLEEP
14	LIGHT -Press to turn on or off controller backlight
15	MODE icon: If MODE button is pressed, current operation mode icon (AUTO), ❄️ (COOL), ☀️ (DRY), 🌀 (FAN), or 🔥 (HEAT) will show.
16	LOCK icon: is displayed by pressing “+” and “-“ buttons simultaneously. Press them again to clear the display.
17	LIGHT icon: is displayed by pressing the SLEEP button. Press this button again to clear the display.
18	SLEEP icon: is displayed by pressing the SLEEP button. Press this button again to clear the display.
19	TEMP icon: Pressing TEMP button, (set temperature), (ambient temperature), (outdoor ambient temperature) and blank is displayed circularly.
20	Up & down swing icon: is displayed when pressing the up & down swing button. Press this button again to clear the display.
21	Left & right swing icon: is displayed when pressing the left & right swing button. Press this button again to clear the display.
22	SET TIME display: After pressing TIMER button, ON or OFF will blink. This area will show the set time.
23	DIGITAL display: This area will show the set temperature. In SAVE mode, “SE” will be displayed.
24	FAN SPEED display: Press FAN button to select the desired fan speed setting (AUTO/LOW-MED-HIGH). Your selection will be displayed in the LCD windows, except the AUTO fan speed.

Summary, Features, and Construction Views

Outdoor Unit

A16CI4H4R36

ALMCI4H4R36



Unit: mm							
Model	W	H	D	O	P	R	S
A16CI4H4R36	980	790	424	371	914	610	399
ALMCI4H4R36	980	790	424.46	371	914	610	399
Unit: Inches							
A16CI4H4R36	38.6	31.1	16.7	14.6	36	24	15.7
ALMCI4H4R36	38.6	31.1	16.811	14.6	36	24	15.7

*True dimensions in inches

Specifications

Specifications

36000 BTU units

Parameter		Unit	Value		
Model			A16C14H4R36/ A16EM4H4R36	ALMCI4H4R36/ ALMEM4H4R36	
Product Code			CB169000300	/	
Power Supply	Rated Voltage	V~	208/230	208/230	
	Rated Frequency	Hz	60	60	
	Phases		1	1	
Power Supply Mode			Outdoor	Outdoor	
Power Cable			12AWG-3	12AWG-3	
Cooling Capacity (Min~Max)		Btu/h	33600(7400~36000)	33600(7400~36000)	
Heating Capacity (Min~Max)		Btu/h	34600(15000~36000)	34600(15000~36000)	
Cooling Power Input		W	3650(410~3800)	4100(450~4300)	
Heating Power Input		W	3560(970~3700)	3800(560~4300)	
Cooling Current Input		A	15.9	17	
Heating Current Input		A	15.5	16.5	
Rated Input		W	4200	4300	
Rated Current		A	18.2	20.0	
Air Flow Volume (SH/H/M/L/SL)		CFM	-/824/706/677/-	736/647/-/530/-/412/-	
		m ³ /h	-/1400/1200/1150/-	1250/1100/-/900/-/700/-	
Dehumidifying Volume		Pint/h	1.66	7.40	
		L/h	0.79	3.50	
EER		Btu/Wh	9.21	8.20	
COP		Btu/Wh	9.72	9.11	
SEER		Btu/Wh	16.00	18.00	
HSPF		Btu/Wh	8.2	9.00	
Application Area		ft ²	495-753	495-753	
		m ²	46-70	46-70	
Indoor Unit	Indoor Unit Model		A16EM4H4R36	ALMEM4H4R36	
	Fan Type		Cross-flow	Cross-flow	
	Fan Diameter Length (DXL)	inch		Φ4.25X20.58X2	/
		mm		Φ108X523X51	/
	Cooling Speed (SH/H/M/L/SL)	r/min	-/1550/1400/1300/-	1400/1250/1000/800	
	Heating Speed (SH/H/M/L/SL)	r/min	-/1550/1400/1300/-	1400/1250/1050/850	
	Fan Motor Power Output	W	60	70	
	Fan Motor RLA	A	0.47	0.4	
	Fan Motor Capacitor	μF	3.5	/	
Evaporator Form		Aluminum Fin-copper tube	Aluminum Fin-copper tube		

	Evaporator Pipe Diameter	Inch	Φ11/40	/
		mm	Φ6.985	/
	Evaporator Row-fin Gap	Inch	2-0.055	2-0.055
		mm	50.8-1.41	50.8-1.41
	Evaporator Coil Length (LXDXW)	Inch	142.3X1X15	/
		mm	3614X25.4X381	/
	Swing Motor Model		MP24BA	MP24BA
	Swing Motor Power Output	W	2	1.5
	Fuse Current	A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)	dB(A)	-/59/56/53/-	54/49/44/37
	Sound Power Level (SH/H/M/L/SL)	dB(A)	-/69/66/63/-	64/59/54/47
	Dimension (WXHXD)	inch	53.1X12.8X10.0	53.15X12.835X9.961
		mm	1349X325X254	1350X326X253
	Dimension of Carton Box (LXWXH)	inch	56.6X16.5X13.5	56.614X16.457X13.858
		mm	1437X419X343	1438X418X352
	Dimension of Package (LXWXH)	Inch	56.7X16.6X14.0	56.732X16.575X14.449
		mm	1440X422X356	1441X421X367
	Net Weight	lb	44.1	41.9
		kg	20	19
	Gross Weight	lb	59.5	51.8
kg		27	23.5	
Outdoor Unit	Outdoor Unit Model		A16CI4H4R36	ALMCI4H4R36
	Compressor Manufacturer		MITSUBISHI ELECTRIC (GUANGZHOU) COMPRESSOR CO. LTD/MITSUBISHI	MITSUBISHI ELECTRIC (GUANGZHOU) COMPRESSOR CO. LTD/MITSUBISHI
	Compressor Model		TNB306FPGMC	TNB306FPGMC
	Compressor Oil		FV50S	FV50S
	Compressor Type		Rotary	Rotary
	L.R.A.	A	67	67
	Compressor RLA	A	13.5	13.5
	Compressor Power Input	W	3010	3010
	Compressor Overload Protector		CS01F272H01	CS01F272H01
	Throttling Method		Capillary	Electronic Expansion Valve
	Set Temperature Range	°F	60.8~86.0	60.8~86.0
		°C	16.0~30.0	16.0~30.0
	Ambient Temperature (Cooling)	°F	19.4~109.4	0~109.0
		°C	-7.0~43.0	-18.0~43.0
	Ambient Temperature (Heating)	°F	5.0~75.2	-4.0~75.0
		°C	-15.0~24.0	-20.0~24.0
Condenser Form		Aluminum fin-copper tube	Aluminum fin-copper tube	

	Condenser Pipe diameter	mm	Φ9.525	/
		in	Φ3/8	/
	Condenser Rows-fin gap	mm	50.8-1.397	50.8-1.397
		in	2-0.055	2-0.055
	Condenser Coil Length (LXDXW)	mm	940X43X762	/
		in	37.0X1.7X30.0	/
	Fan Motor Speed	RPM	900	/
	Output of Fan Motor	W	170	/
	Fan Motor RLA	A	0.73	/
	Fan Motor Capacitor	μF	-	-
	Air Flow Volume of Outdoor Unit	m ³ /h	4400	/
		CFM	2589	/
	Fan Type		Axial Flow	Axial Flow
	Fan Diameter	mm	Φ552	/
		in	Φ21.73	/
	Defrosting Method		Automatic Defrosting	Automatic Defrosting
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IP24	IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	3.8	4.3
		PSI	551	623
	Permissible Excessive Operating Pressure for the Suction Side	MPa	1.2	2.5
		PSI	174	362
	Sound Pressure Level (H/M/L)	dB(A)	65/-/-	65/-/-
	Sound Power Level (H/M/L)	dB(A)	75/-/-	75/-/-
	Dimension (WXHXD)	mm	980X790X424	980X790X427
		in	38.6X31.1X16.7	38.6X31.1X16.8
	Dimension of Carton Box (L/W/H)	mm	1080X485X841	1080X485X840
		in	42.5X19.1X33.1	42.5X19.1X33.1
	Dimension of Package (L/W/H)	mm	1082X488X853	1083X488X855
		in	42.6X19.2X33.6	42.6X19.2X33.7
	Net Weight	kg	73.0	73.0
		Lbs	161.0	161.0
Gross Weight	kg	77.0	78.0	
	Lbs	169.8	172.0	
Refrigerant		R410A	R410A	
Refrigerant Charge	grams	2401	2401	
	oz	84.7	84.7	
Electric Breaker		2 Pole 30 Amps	2 Pole 30 Amps	
Connect ion Pipe Length	m	7.5	7.5	
	ft	24.6	24.6	
Gas Additional Charge	g/m	46.5	50	
	oz/ft	0.5	0.5	

	Outer Diameter Liquid Pipe	mm	Φ 6.35	Φ 6.35
		in	Φ1/4	Φ1/4
	Outer Diameter Gas Pipe	mm	Φ 15.875	Φ 15.875
		in	Φ5/8	Φ5/8
	Max Distance Height	m	10.0	10.0
		ft	32.8	32.8
Max Distance Length	m	30.0	30.0	
	ft	98.4	98.4	

AHRI Certifications and SEER Rating

Indoor unit model	Outdoor unit model	AHRI Certification Reference Number	Date	Rated Capacity (Btu/h)	SEER (Cooling) Btu/Wh	EER (Cooling) Btu/Wh
A16EM4H4R36	A16CI4H4R36	5381160	1/14/16	33600	16.00	9.50
ALMEM4H4R36	ALMCI4H4R36	8631931	5/3/16	33600	18.00	8.30