



Submittal Sheet

Submitted for: Approval Record

Job Name: _____

Date: _____

Contractor: _____

Location: _____

Engineer: _____

Tag: _____

36,000 BTU/H MINI SPLIT

Indoor Units: A16EM4H4R36

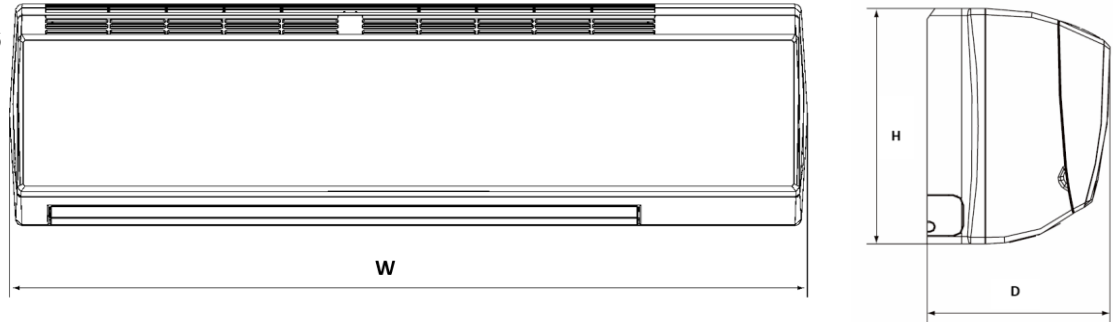
Outdoor Units: A16CI4H4R36

Notes: _____

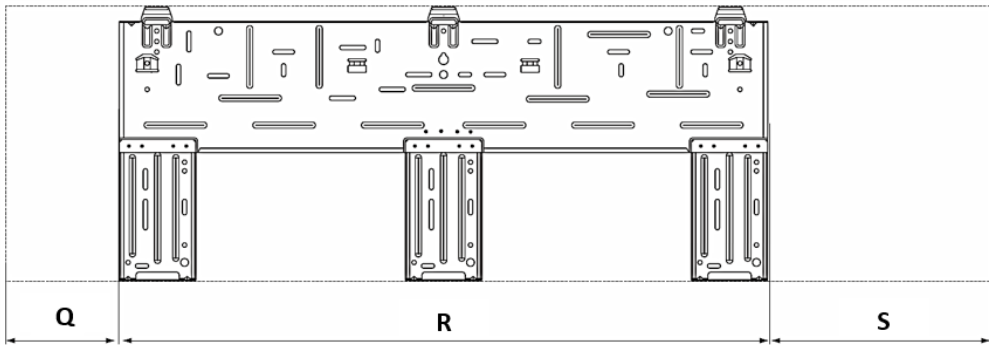
Summary, Features, and Construction Views

Indoor Unit

A16EM4H4R36



Indoor Unit Wall Bracket:

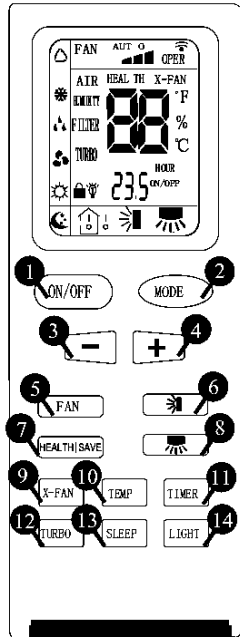


Unit: mm						
Model	W	H	D	Q	R	S
A16EM4H4R36	1349	325	254	254	747	348
Unit: Inches						
A16EM4H4R36	53.10	12.80	10.00	10.00	29.40	13.70

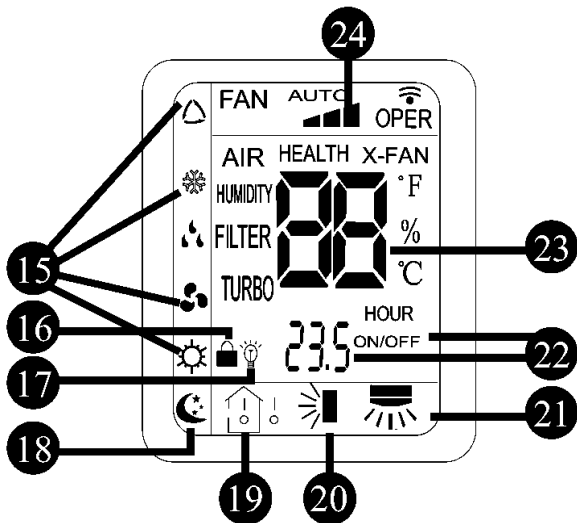
*True dimensions in inches

Summary, Features, and Construction Views

Remote Controller



Icon Display on Remote Controller

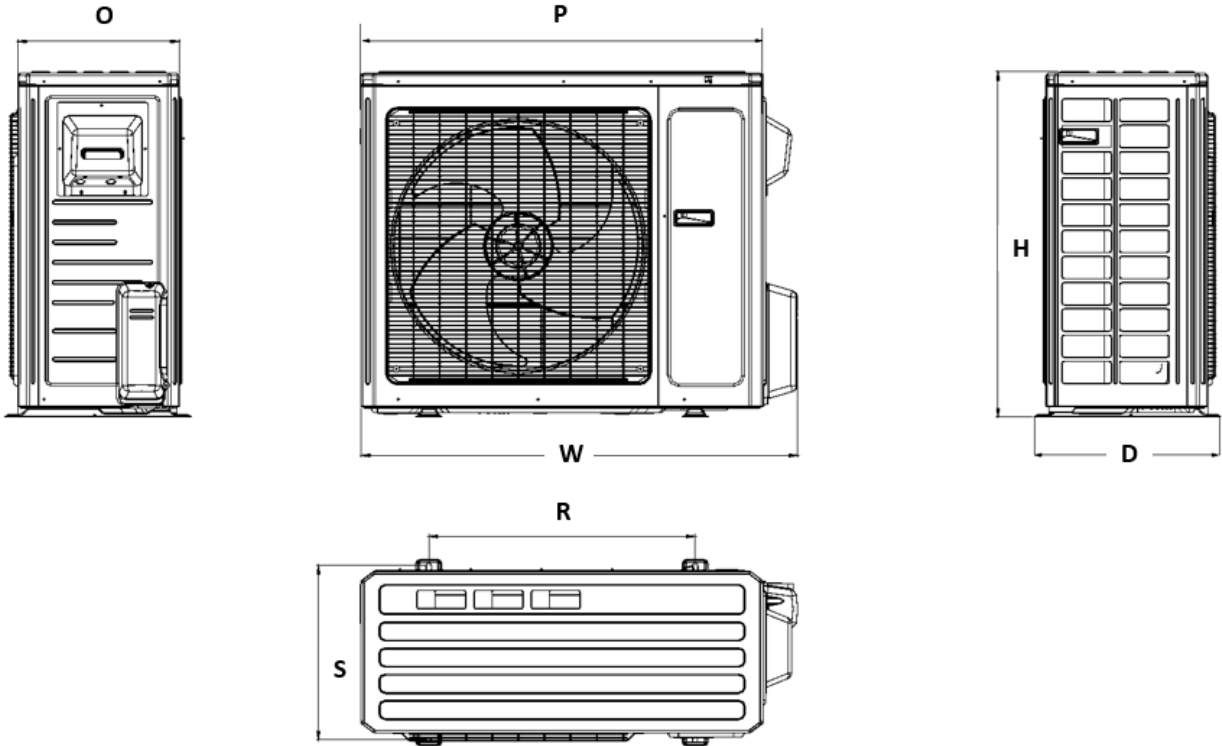


1	ON/OFF -Press to Start/Stop Operation
2	MODE -Press to select operation mode (AUTO/COOL/DRY/FAN/HEAT)
3	- Press to decrease temperature setting
4	+ Press to increase temperature setting
5	FAN -Press to set fan speed
6	Press to set swing angle
7	HEALTH SAVE Press to turn on or off health function
8	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



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

*True dimensions in inches

Specifications

Specifications

36000 BTU units

Parameter	Unit	Value	
Model		A16C14H4R36/ A16EM4H4R36	
Product Code		CB169000300	
Power Supply	Rated Voltage	V~ 208/230	
	Rated Frequency	Hz 60	
	Phases	1	
Power Supply Mode		Outdoor	
Cooling Capacity (Min~Max)	Btu/h	33600(7400~36000)	
Heating Capacity (Min~Max)	Btu/h	34600(15000~36000)	
Cooling Power Input	W	3650(410~3800)	
Heating Power Input	W	3560(970~3700)	
Cooling Current Input	A	15.9	
Heating Current Input	A	15.5	
Rated Input	W	4200	
Rated Current	A	18.2	
Air Flow Volume (SH/H/M/L/SL)	CFM	-/824/706/677/-	
	m ³ /h	-/1400/1200/1150/-	
Dehumidifying Volume	Pint/h	1.66	
	L/h	0.79	
EER	Btu/Wh	9.21	
COP	Btu/Wh	9.72	
SEER	Btu/Wh	16.00	
HSPF	Btu/Wh	8.2	
Application Area	ft ²	495-753	
	m ²	46-70	
Indoor Unit	Indoor Unit Model	A16EM4H4R36	
	Fan Type	Cross-flow	
	Fan Diameter Length (DXL)	inch	Φ4.25X20.58X2
		mm	Φ108X523X51
	Cooling Speed (SH/H/M/L/SL)	r/min	-/1550/1400/1300/-
	Heating Speed (SH/H/M/L/SL)	r/min	-/1550/1400/1300/-
	Fan Motor Power Output	W	60
	Fan Motor RLA	A	0.47
	Fan Motor Capacitor	μF	3.5
	Evaporator Form		Aluminum Fin-copper tube
	Evaporator Pipe Diameter	Inch	Φ11/40
		mm	Φ6.985
	Evaporator Row-fin Gap	Inch	2-0.055
		mm	50.8-1.41
	Evaporator Coil Length (LXDXW)	Inch	142.3X1X15
		mm	3614X25.4X381
Swing Motor Model		MP24BA	

	Swing Motor Power Output	W	2
	Fuse Current	A	3.15
	Sound Pressure Level (SH/H/M/L/SL)	dB(A)	-/59/56/53/-
	Sound Power Level (SH/H/M/L/SL)	dB(A)	-/69/66/63/-
	Dimension (WXHDXD)	inch	53.1X12.8X10.0
		mm	1349X325X254
	Dimension of Carton Box (LXWXH)	inch	56.6X16.5X13.5
		mm	1437X419X343
	Dimension of Package (LXWXH)	Inch	56.7X16.6X14.0
		mm	1440X422X356
	Net Weight	lb	44.1
		kg	20
	Gross Weight	lb	59.5
		kg	27
Outdoor Unit	Outdoor Unit Model		A16CI4H4R36
	Compressor Manufacturer		MITSUBISHI ELECTRIC (GUANGZHOU) COMPRESSOR CO. LTD/MITSUBISHI
	Compressor Model		TNB306FPGMC
	Compressor Oil		FV50S
	Compressor Type		Rotary
	L.R.A.	A	67
	Compressor RLA	A	13.5
	Compressor Power Input	W	3010
	Compressor Overload Protector		CS01F272H01
	Throttling Method		Capillary
	Set Temperature Range	°F	60.8~86.0
		°C	16.0~30.0
	Ambient Temperature (Cooling)	°F	19.4~109.4
		°C	-7.0~43.0
	Ambient Temperature (Heating)	°F	5.0~75.2
		°C	-15.0~24.0
	Condenser Form		Aluminum fin-copper tube
	Condenser Pipe diameter	mm	Φ9.525
		in	Φ3/8
	Condenser Rows-fin gap	mm	50.8-1.397
		in	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	m³/h	4400	
	CFM	2589	
Fan Type		Axial Flow	

	Fan Diameter	mm	Φ552
		in	Φ21.73
	Defrosting Method		Automatic Defrosting
	Climate Type		T1
	Isolation		I
	Moisture Protection		IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	3.8
		PSI	551
	Permissible Excessive Operating Pressure for the Suction Side	MPa	1.2
		PSI	174
	Sound Pressure Level (H/M/L)	dB(A)	65/-/-
	Sound Power Level (H/M/L)	dB(A)	75/-/-
	Dimension (WXHXD)	mm	980X790X424
		in	38.6X31.1X16.7
	Dimension of Carton Box (L/W/H)	mm	1080X485X841
		in	42.5X19.1X33.1
	Dimension of Package (L/W/H)	mm	1082X488X853
		in	42.6X19.2X33.6
	Net Weight	kg	73.0
		Lbs	161.0
	Gross Weight	kg	77.0
		Lbs	169.8
	Refrigerant		R410A
	Refrigerant Charge	grams	2401
oz		84.7	
Electric Breaker		2 Pole 30 Amps	
Connection Pipe	Length	m	7.5
		ft	24.6
	Gas Additional Charge	g/m	46.5
		oz/ft	0.5
	Outer Diameter Liquid Pipe	mm	Φ 6.35
		in	Φ1/4
	Outer Diameter Gas Pipe	mm	Φ 15.875
		in	Φ5/8
	Max Distance Height	m	10.0
		ft	32.8
	Max Distance Length	m	30.0
		ft	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