



Submittal Data Sheet

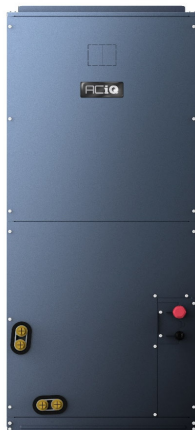
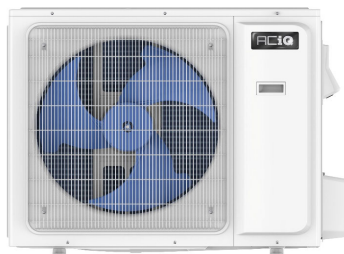
Indoor Unit Model#: ACiQ-36-AH-E-32

Outdoor Unit Model#: ACiQ-36-HP-E-32

36K R32 Central Ducted Air Handler & Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

System Product Code: 810175553443
Indoor Unit Product Code: 810175553320
Outdoor Unit Product Code: 810175553382



INDOOR UNIT SPECIFICATIONS

ESP Rated / Range (in. w.g.)		0.5 / 0~1
Indoor Air Flow (Hi/Mi/Lo) (CFM)		1100 / 950 / 790
Indoor Noise Level (Hi/Mi/Lo) (dBA)		48 / 46 / 44
Indoor Fan Motor Speed (Hi/Mi/Lo) (rpm)		990 / 930 / 870
Indoor Fan Motor Output Power HP(W)		1/2 (370)
Dimension (W×D×H)	inch	21" x 21" x 49"
	mm	534 x 534 x 1245
Package (W×D×H)	inch	24-5/8" x 27-3/4" x 51-1/2"
	mm	625 x 705 x 1410
Net/Gross Weight	lbs	133.0 / 152.0
	kg	60.3 / 69.0

OUTDOOR UNIT SPECIFICATIONS

Outdoor Fan Speed (rpm)		940
Outdoor Air Flow (Max) (CFM)		2471.0
Outdoor Noise Level (dBA)		59
Dimension (W×D×H)	inch	41-3/16" x 17-15/16" x 31-13/16"
	mm	1046 x 455 x 808
Package (W×D×H)	inch	43-1/2" x 19-1/2" x 31-11/16"
	mm	1105 x 495 x 895
Net/Gross Weight	lbs	147.3 / 156.5
	kg	66.8 / 71.0

EFFICIENCY RATINGS

Cooling		Heating	
SEER2	17.00	HSPF2-4	8.60
EER2	9.50	COP	3.30
Operating Temperature Range °F(°C)		61 ~ 90 (16 ~ 32)	

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	35000
Min/Max Capacity	8500 ~ 37000
Ambient Temperature Range °F(°C)	5 ~ 125 (-15 ~ 52)

HEATING PERFORMANCE

Heating (Btu/hr)	
Rated Capacity @ 47°F	38000
Min/Max Capacity	5000 ~ 38000
Rated Capacity @ 17°F	27000
Rated Capacity @ 5°F	25000
Ambient Temperature Range °F(°C)	5 ~ 75 (-15 ~ 24)

COMPRESSOR SPECIFICATIONS

Compressor Type	Rotary
Capacity (W)	7640
Input (W)	2065
Rated Current (A)	9.3
Rated Input Inverter Current (A)	18
Thermal Protection Temperature (°C)	115
Refrigerant Oil	Ester Oil VG74
Refrigerant Oil Charge (mL)	620

ELECTRICAL SPECIFICATIONS

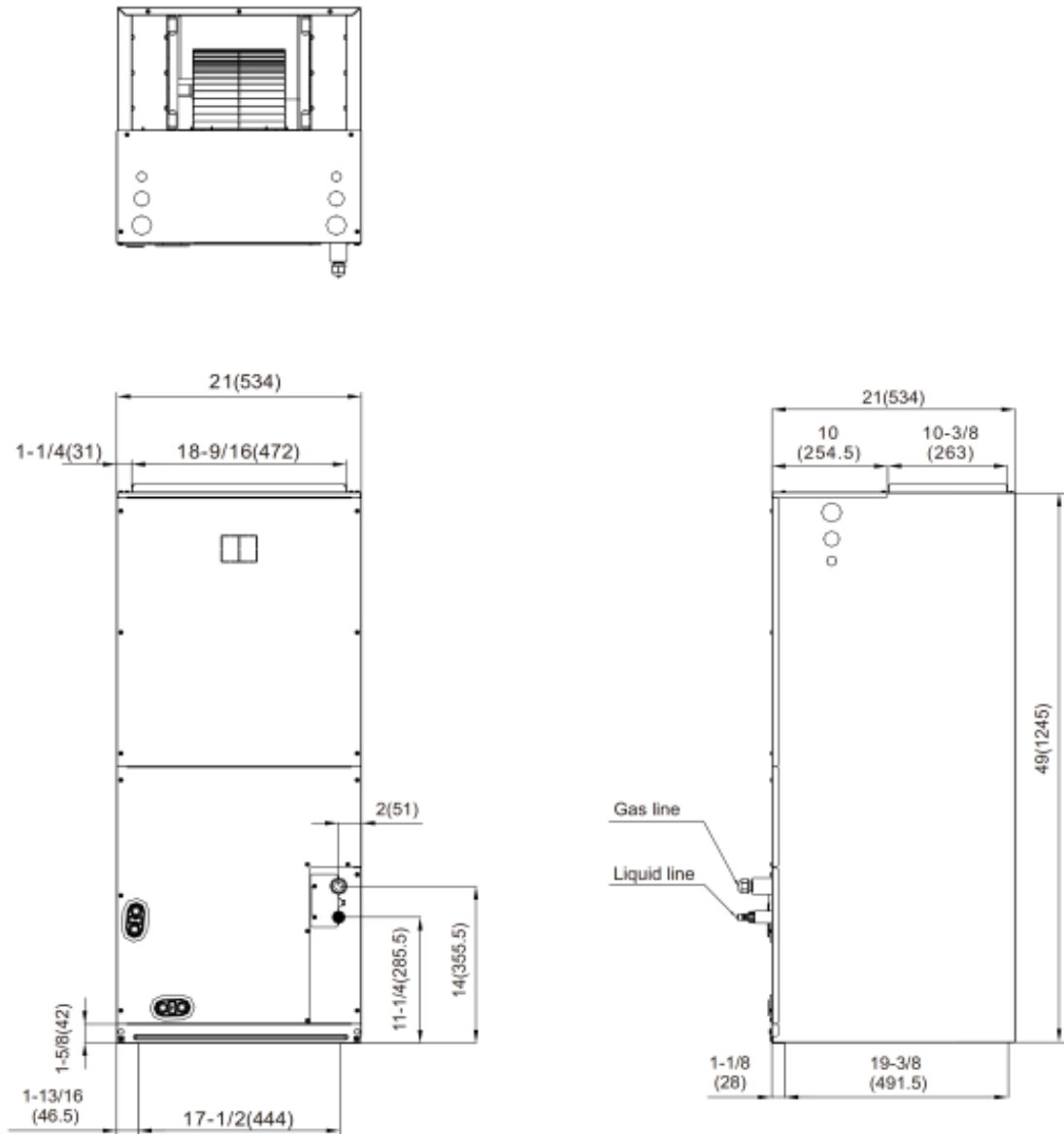
Indoor Power Supply	208/230V, 1 Ph, 60Hz
Indoor MCA	5.7
Indoor MOP	10
Recommended Indoor Power Wiring (AWG)	16
Recommended Indoor Signal Wiring (AWG)	22
Outdoor Power Supply	208/230V, 1 Ph, 60Hz
Outdoor Unit MCA	24
Outdoor Unit MOP	35
Recommended Outdoor Power Wiring (AWG)	12
Recommended Outdoor Signal Wiring (AWG)	22
Max. Input Consumption (W)	4700
System Power Input @ Cooling (W)	3684
System Power Input @ Heating (W)	3375
Max. Current (A)	22
Rated Cooling Current (A)	16.35
Rated Heating Current (A)	14.97
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
AWG: American Wire Gauge (AWG)	W: Watts (W)

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant Type	R32
Refrigerant Charge Amount oz(g)	81.13 (2300)
Liquid Size O.D. in(mm)	3/8" (9.52)
Gas Size O.D. in(mm)	5/8" (15.88)
Max. Piping Length ft(m)	164' (50)
Max. Height Difference ft(m)	98' (30)
Connection Method	Flare

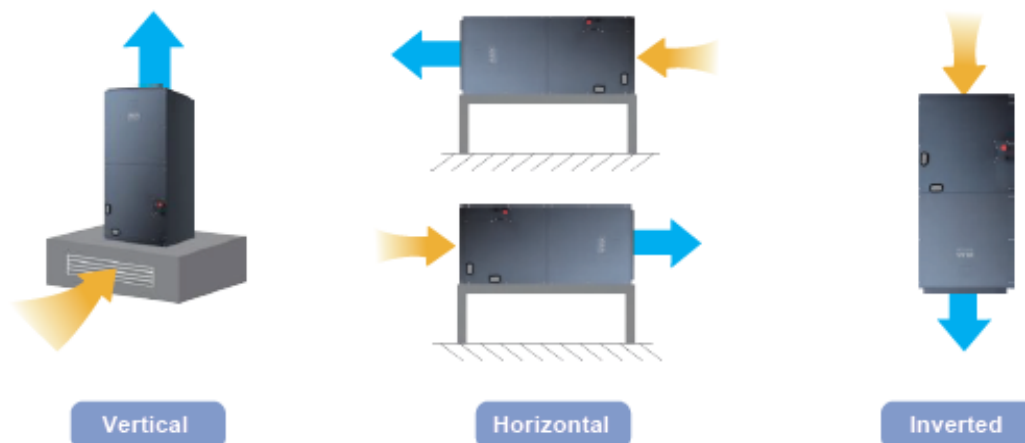
Indoor Unit Dimensions

(unit:in.[mm])



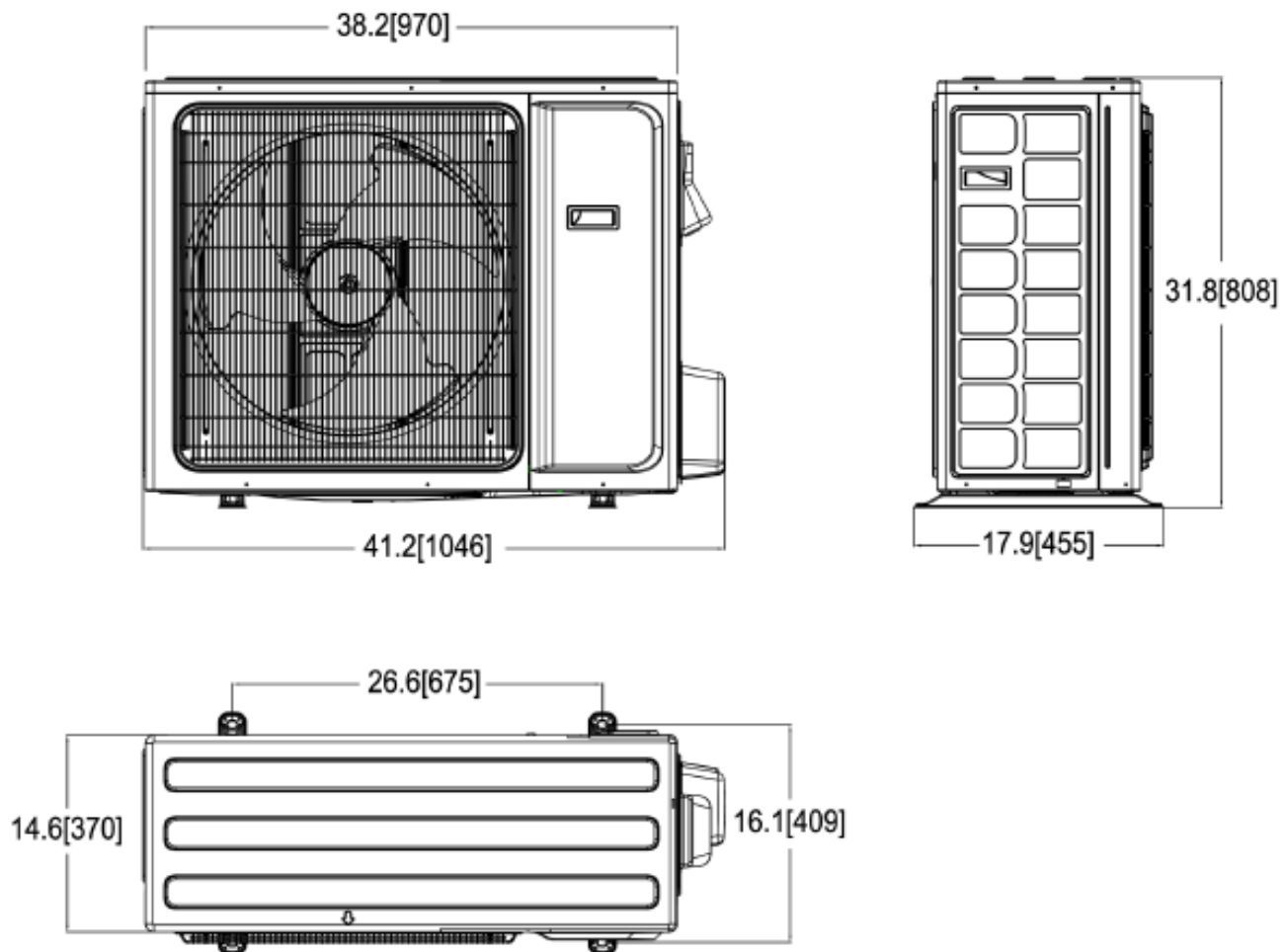
Indoor Unit Installation Options

Vertical, horizontal or inverted installation to meet most installation requirements

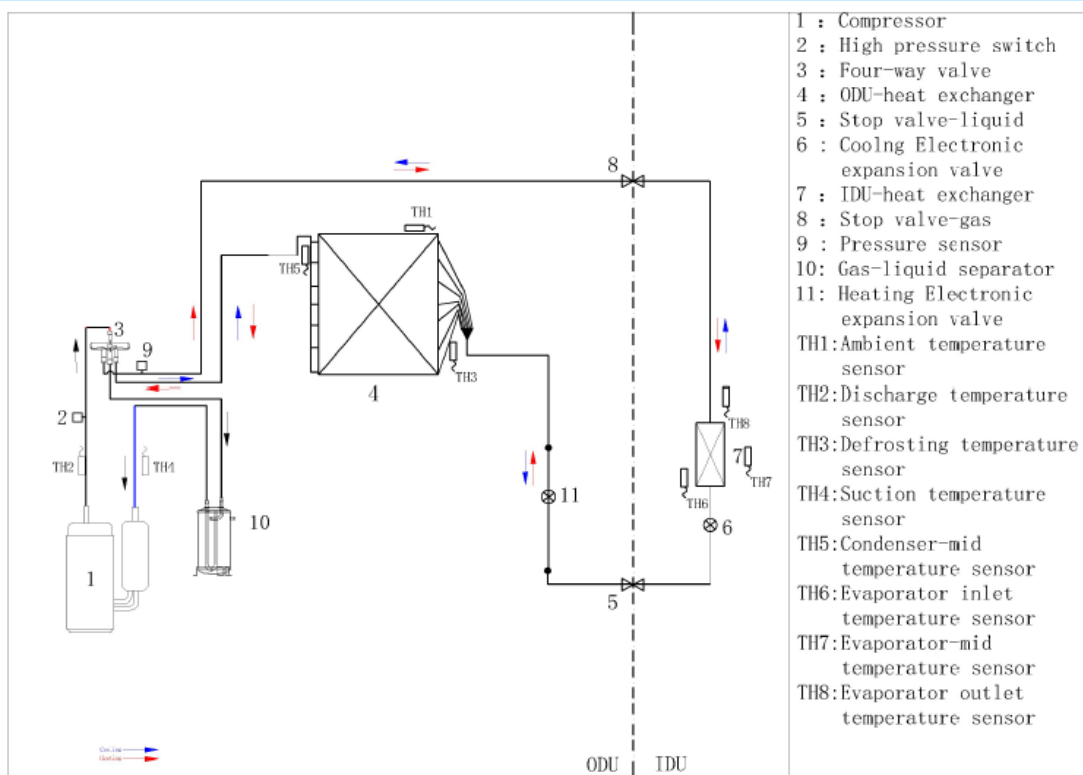


Outdoor Unit Dimension

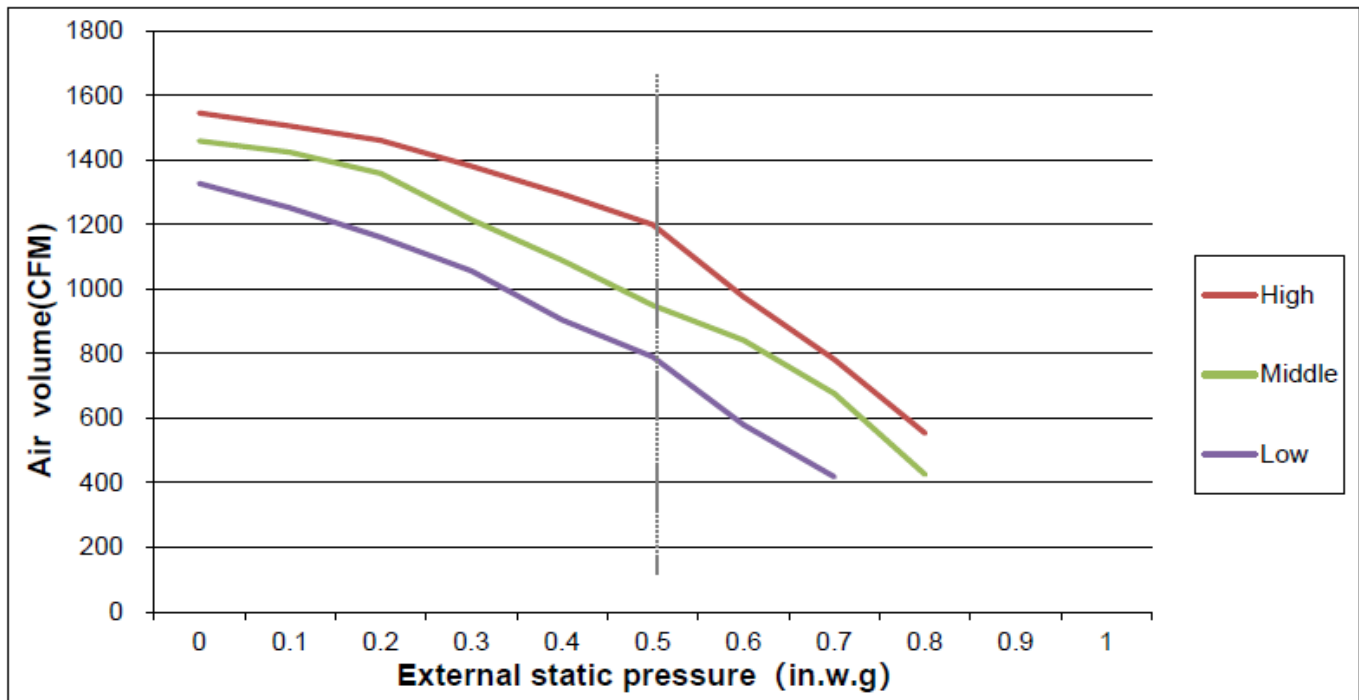
(unit:in.[mm])



Refrigerant System Diagram



Fan Performance For Indoor Unit



Features

- Multi-position installation options to suit application/installation requirements: vertical, horizontal, and inverted
- R32 environmentally friendly refrigerant
- Wide ambient temperature range: 5°F~125°F (-15°C~52°C)
- Wide voltage range: 170~253V power supply to adapt to any unstable voltage, protecting the PCB against a power surge
- High Efficiency: 16~18 SEER2 Rating
- Auto-Restart Function
- High ESP: Max. ESP up to 1 in. w.g.
- Fan & evaporator slide out design
- Multiple protection functions
- System allows for extended refrigerant piping length (up to 164 ft., depending on system/unit capacity) making it perfect for small or large homes