



Submittal Data Sheet

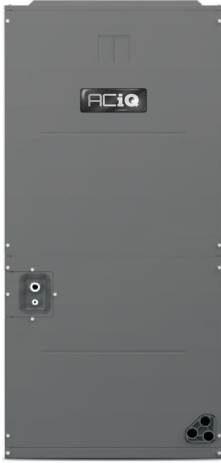
Indoor Unit Model#: ACiQ-60TD-AH

Outdoor Unit Model#: ACiQ-60TD-HP

60K (230V) Top Discharge Air Handler & Condenser

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

System Product Code: 810175551906
Indoor Unit Product Code: 810175551821
Outdoor Unit Product Code: 810175551869



SYSTEM PERFORMANCE

Cooling Performance		
Cooling Capacity	Btu/h	53000
Rated Cooling Capacity at 95°F (35°C)	Btu/h	53000
SEER2 at 95°F (35°C)	Btu/W.h	17.0
EER2 at 95°F (35°C)	Btu/W.h	7.5
Heating Performance		
Heating Capacity	Btu/h	54000
Rated Heating Capacity at 47°F (8.3°C)	Btu/h	54000
Rated Heating Capacity at 17°F (-8.3°C)	Btu/h	38000
Rated Heating Capacity at 5°F (-15°C)	Btu/h	35000
HSPF2-Region IV	Btu/W.h	8.2
COP at 5°F (-15°C)	W/W	1.90

AMBIENT OPERATING TEMPERATURE RANGE

Cooling Operating Temperature Range	°F	5 ~ 125
	°C	-15 ~ 52
Heating Operating Temperature Range	°F	-5 ~ 80
	°C	-20 ~ 27

ELECTRICAL SPECIFICATIONS

Power Supply	V, Ph, Hz	208/230V, 1 Ph, 60 Hz
Min/Max Volts	V	187/253
Indoor Unit		
Minimum Circuit Ampacity (MCA)	A	7
Max. Overcurrent Protection (Max Fuse or HACR Breaker)	A	15
Outdoor Unit		
Minimum Circuit Ampacity (MCA)	A	35
Max. Overcurrent Protection (Max Fuse or HACR Breaker)	A	60

INDOOR UNIT SPECIFICATIONS

ESP	in. WC	Up to 0.8
Indoor Fan Airflow	CFM	1700
Sound Pressure Rating	dB(A)	62
Moisture Removal/Dehumidification	kg/h	6.1
Throttle Type (model)	- -	TXV (5TR)
Fan Motor Power	hp	1/2
Fan Motor FLA	A	3.8
Blower Diameter	in	12-1/4
Blower Width	in	13
Indoor Coil Fin Type	- -	Louvered Hydrophillic Aluminum
Indoor Coil Fin Spacing/Thickness	mm	1.5 / 0.095
Indoor Coil Tube Type	- -	Aluminum Tube
Indoor Coil Tube Outside Dia.	mm	7
Unit Dimensions (WxDxH)	in	21 x 24-1/2 x 56
	mm	533 x 622 x 1422
Packing Dimensions (WxDxH)	inch	24-1/2 x 28 x 62
	mm	584 x 710 x 1570
Net Weight	lbs	154
	kg	70
Gross Weight	lbs	190
	kg	86

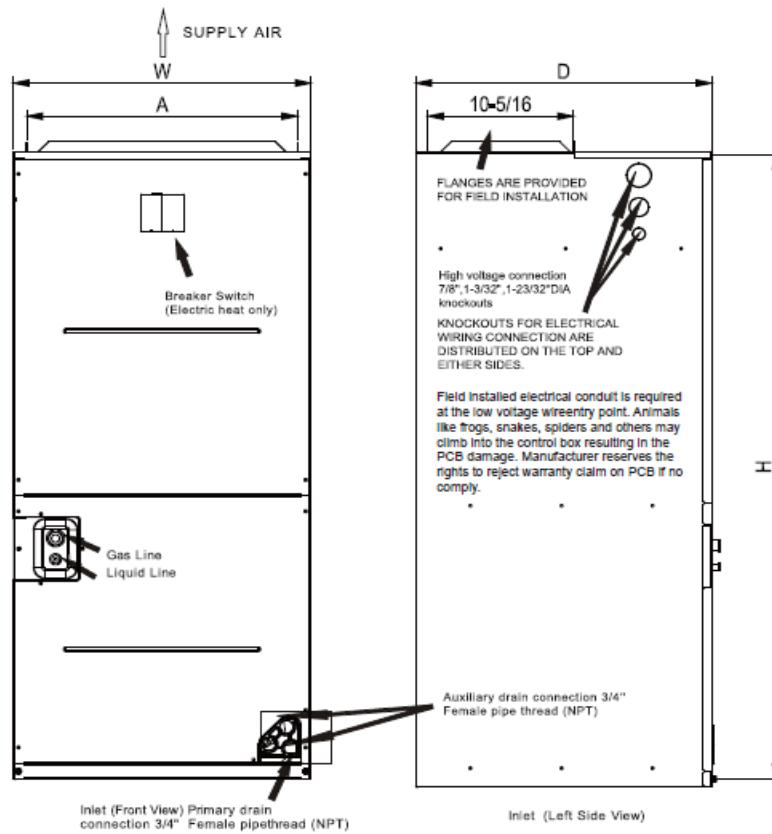
OUTDOOR UNIT SPECIFICATIONS

Outdoor Sound Pressure Rating	dB	70
Throttle Type	- -	EEV
Fan Motor Type	- -	DC
Fan Motor Input	W	200
Blower Diameter	in	23-1/2
Blower Width	in	4-1/2
Unit Dimensions (WxDxH)	in	29-1/8 x 29-1/8 x 33-3/16
	mm	740 x 740 x 843
Packing Dimensions (WxDxH)	in	30-1/5 x 30-1/5 x 39-1/2
	mm	767 x 767 x 1003
Net Weight	lbs	190
	kg	86
Gross Weight	lbs	220
	kg	100

REFRIGERANT PIPING SPECIFICATIONS

Refrigerant	Type	R454B
Refrigerant Charge Amount (Outdoor unit pre-charged)	oz	141.09
	g	4000
Additional Charge of Refrigerant	oz/ft	0.54
	g/m	50.23
Max. Allowable Pressure	Mpa	4.3
Connection Valve Size - Liquid/Gas (Indoor & Outdoor Unit)	in	0.375 (3/8") / 0.75 (3/4")
	mm	9.53 / 19.05
Refrigerant Piping Size - Liquid/Gas (Indoor & Outdoor Unit)	in	0.375 (3/8") / 0.875 (7/8")
	mm	9.53 / 22.23
Min./Max. Piping Length	ft	25 / 100
	m	7.6 / 30
Max. Height Difference	ft	50
	m	15
Connection Method	Type	Flare to Braze

Indoor Unit Dimensions

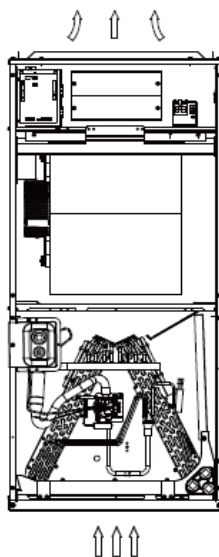


Capacity	W (Width)	D (Depth)	H (Height)	A (Opening)
24K-36K	21.00 in (533 mm)	21.00 in (533 mm)	46.50 in (1180 mm)	19.25 in (489 mm)
48K-60K	21.00 in (533 mm)	24.50 in (622 mm)	56.00 in (1422 mm)	22.75 in (578 mm)

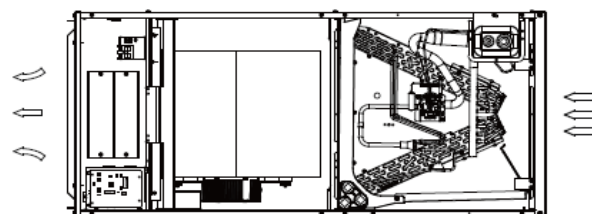
Units: Inch (Millimeter)

Indoor Unit Installation Options

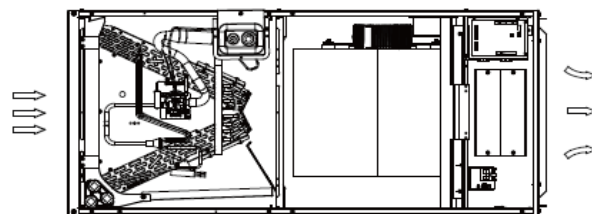
The unit may be installed in one of the upflow, downflow, horizontal left or horizontal right orientations.



Upflow

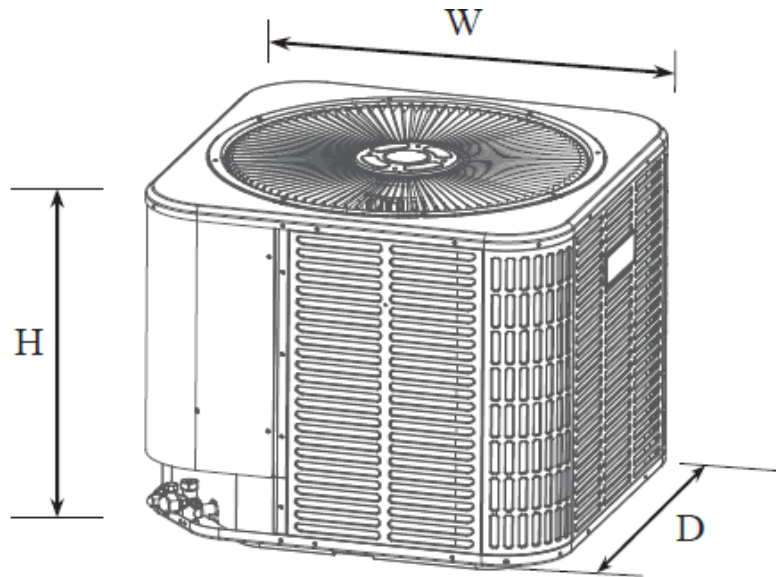


horizontal left



horizontal right

NOTE: For a downward air outlet installation, you need to purchase after-sales parts from the dealer and have a professional install them.



Capacity	W (Width)	D (Depth)	H (Height)
24K-36K	29.13 in (740 mm)	29.13 in (740 mm)	24.92 in (633 mm)
48K-60K	29.13 in (740 mm)	29.13 in (740 mm)	33.19 in (843 mm)

Units: Inch (Millimeter)