



Submittal Data Sheet

Indoor Unit Model#: ACiQ-48-ACL-B

Outdoor Unit Model#: ACiQ-60-EHPD

48K EVAPORATOR A-COIL & 60K STD. HEAT PUMP CONDENSER

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

System Product Code: 810175552781
A-Coil Product Code: 810175552675
Outdoor Unit Product Code: 810175550510



INDOOR UNIT SPECIFICATIONS

Dimension (WxDxH)	inch	21-5/8 x 21-1/2 x 27-3/4
	mm	549 x 546 x 706
Package (WxDxH)	inch	31-1/8 x 25 x 25-5/8
	mm	790 x 635 x 650
Net/Gross Weight	lbs	97 / 115
	kg	43.9 / 52.2

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max) (CFM)		3,037
Outdoor Noise Level (dBA)		65
Dimension (WxDxH)	inch	38-9/16 x 16-3/8 x 38-3/8
	mm	980 x 415 x 975
Package (WxDxH)	inch	45-1/16 x 19-11/16 x 42-1/2
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	193 / 224
	kg	87.5 / 101.7

EFFICIENCY RATINGS

Cooling		Heating	
SEER2	14.5	HSPF2-4	8.0
EER2	8.5	COP	2.68

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	51,000
Min/Max Capacity	15,500~51,000
Moisture Removal (L/h)	4
Standard Operating Range (°F/°C)	-13~122 (-25~50)
Rated Cooling Conditions:	
Indoor: 80°F DB/67°F WB	
Outdoor: 95°F DB/75°F WB	

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	49,000
1. @ 47°F Min/Max Capacity	10,600~50,000
2. @ 17°F Rated	31,000
3. @ 5°F Rated: Capacity / COP	41,000 / 1.75
3. @ 5°F Max. Capacity	40,000
Standard Operating Range (°F/°C)	-13~75 (-25~24)
1. Rated Heating Conditions:	
Indoor: 70°F DB/60°F WB	
Outdoor: 47°F DB/43°F WB	
2. Rated Heating Conditions:	
Indoor: 70°F DB/60°F WB	
Outdoor: 17°F DB/15°F WB	
3. Heating Conditions*	
Indoor: 70°F DB/60°F WB	
Outdoor: 5°F DB/5°F WB	
*Compressor Operating at Max. Frequency	

ELECTRICAL SPECIFICATIONS

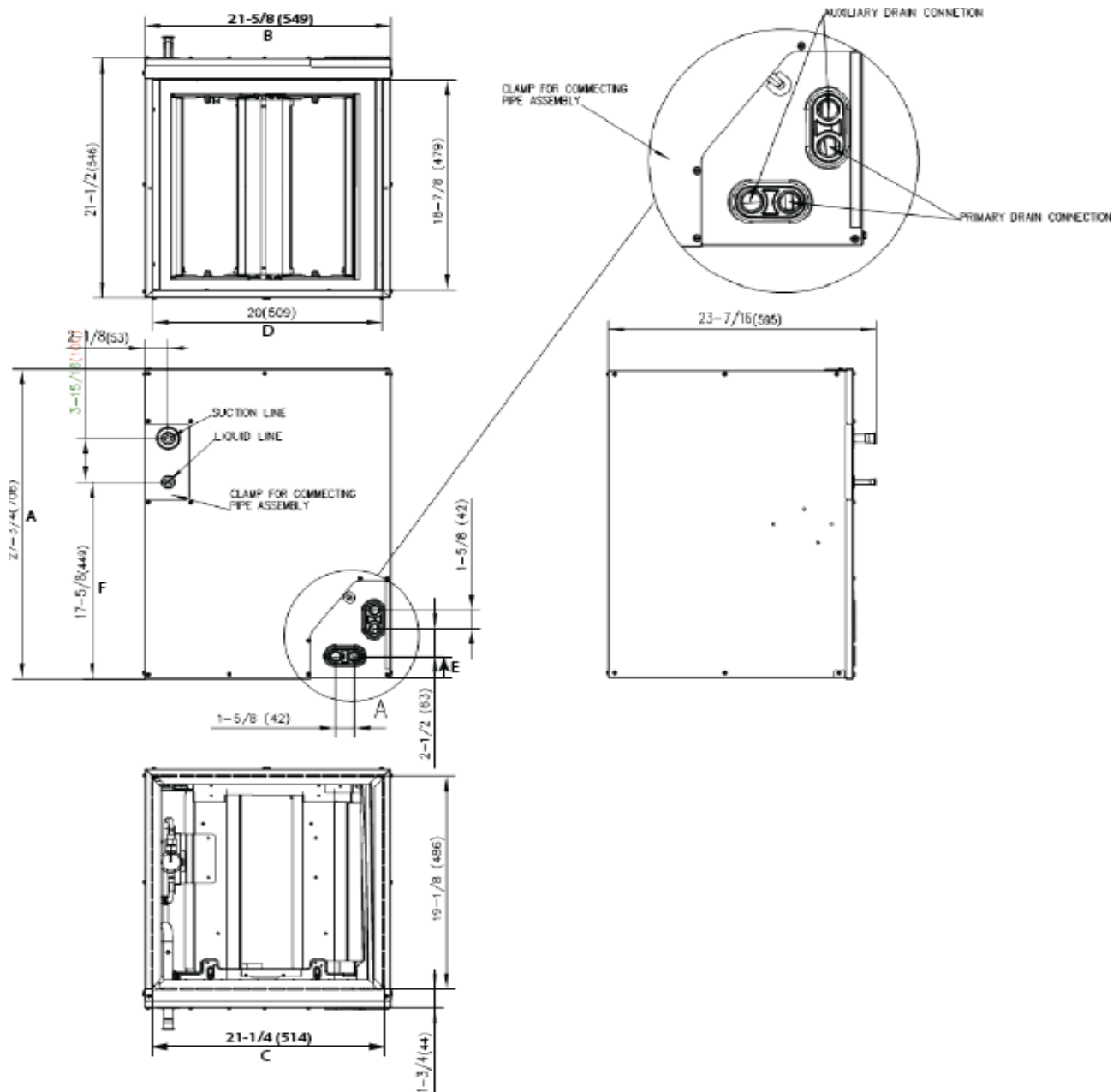
Indoor Power Supply	24V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	N/A
Indoor MOP	N/A
Outdoor Power Supply	208/230, 60Hz, 1Ph
Outdoor MCA	39.0
Outdoor MOP	40.0
Communication Wiring	AWG 20-2
Compressor RLA	30
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	250
Indoor Fan Motor RLA	N/A
Indoor Fan Motor W	N/A
System Power Input @ Cooling (W)	6,000 (1,430~6,100)
System Power Input @ Heating (W)	5,360 (1,210~5,190)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

Throttle type (Indoor)	EXV
Throttle type (Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length (ft/m)	246 (75)
Max. Height Difference (ft/m)	98.4 (30)
Max. Pre-charged Length (ft/m)	25 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	134 (3.8)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.7 (65)
Connection Method	Flared

INDOOR UNIT DIMENSIONS

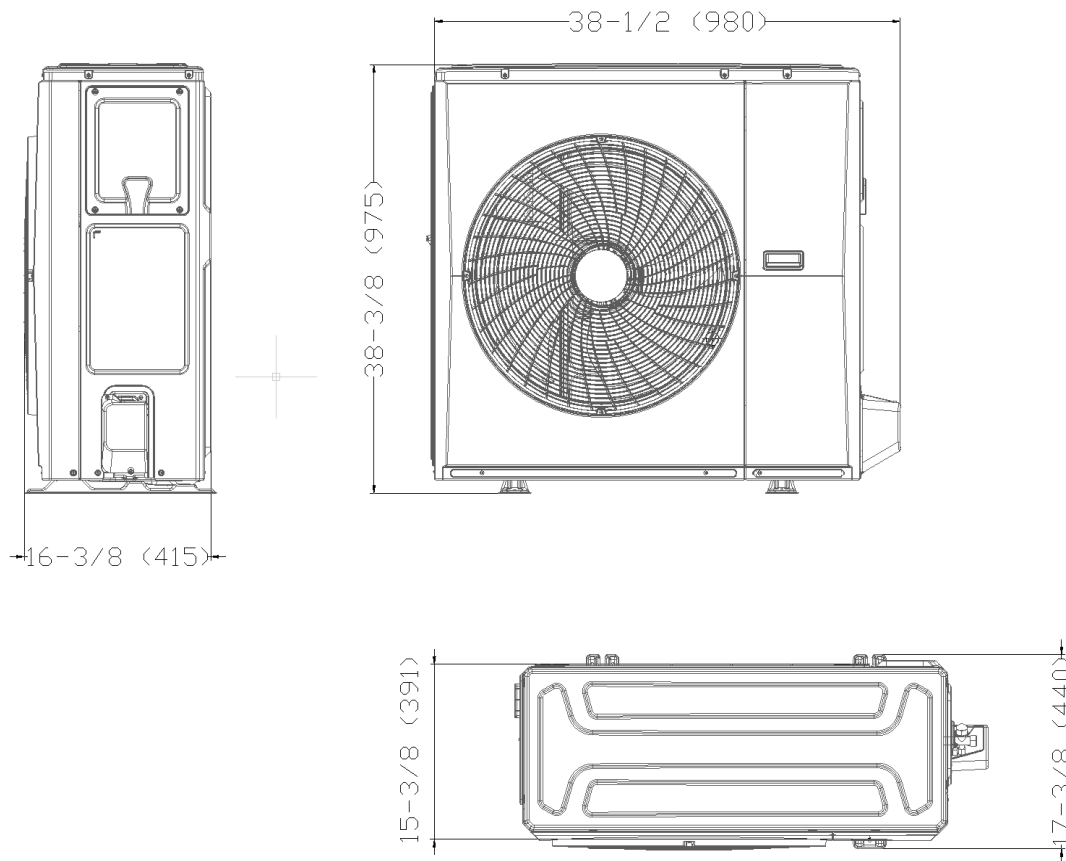
Unit: inch (mm)



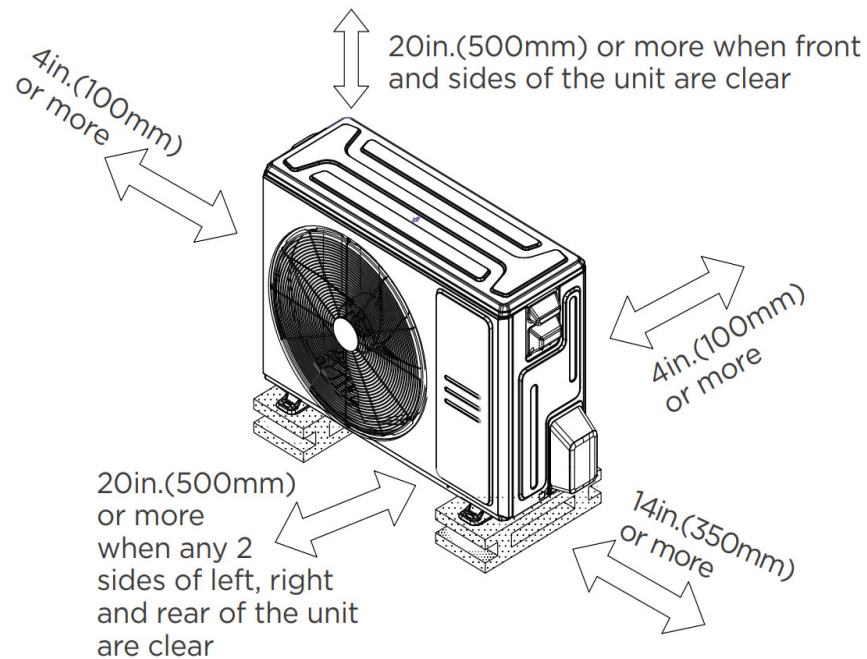
Model	Dimensions	ACiQ-24-ACL-B	ACiQ-24-ACL-14-B	ACiQ-36-ACL-B	ACiQ-36-ACL-17-B	ACiQ-48-ACL-B	ACiQ-60-ACL-B
		inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)
A	Unit Height	18 (457)	18 (457)	24 (611)	23-9/16 (599)	27-3/4 (706)	28 (711)
B	Unit Width	17-1/2 (445)	14-1/2 (368)	21 (534)	17-1/2 (445)	21-5/8 (549)	24-1/2 (622)
C	Supply Air Opening Width	16-3/16 (411)	13-1/4 (336)	19-3/4 (502)	16-3/16 (411)	21-1/4 (514)	23-1/4 (591)
D	Return Air Opening Width	14-15/16 (380)	11-15/16 (303)	19-1/2 (498)	14-15/16 (380)	20 (509)	23-1/8 (587)
E	Condensate Drain Height	1-7/16 (38)	1-7/16 (38)	2-3/16 (55)	1-7/16 (38)	2-1/8 (50)	2-3/16 (55)
F	Liquid Line Height	11-3/8 (290)	11-3/8 (290)	17-1/2 (445)	16-3/8 (417)	17-5/8 (449)	21-7/16 (545)

OUTDOOR UNIT DIMENSIONS

Unit: inch (mm)



INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



FEATURES

- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Third-Party 24V Thermostat