



Submittal Data Sheet

Indoor Unit Model#: ACiQ-24-ACL-14-B

Outdoor Unit Model#: ACiQ-18-HPD

24K 14" EVAPORATOR A-COIL & 18K EXT. HEAT PUMP CONDENSER

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

System Product Code: 810175552811
A-Coil Product Code: 810175552644
Outdoor Unit Product Code: 810175550534



EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	16.1	HSPF2-4	9.5
EER2	11.7	COP	3.3

COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	5,600~22,800
Moisture Removal (L/h)	2.05
Standard Operating Range (°F/°C)	-22~122 (-30~50)
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	19,000
1. @ 47°F Min/Max Capacity	5,600~22,800
2. @ 17°F Rated	15,200
3. @ 5°F Rated: Capacity / COP	18,000 / 2.06
3. @ 5°F Max. Capacity	18,000
Standard Operating Range (°F/°C)	-22~75 (-30~24)
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

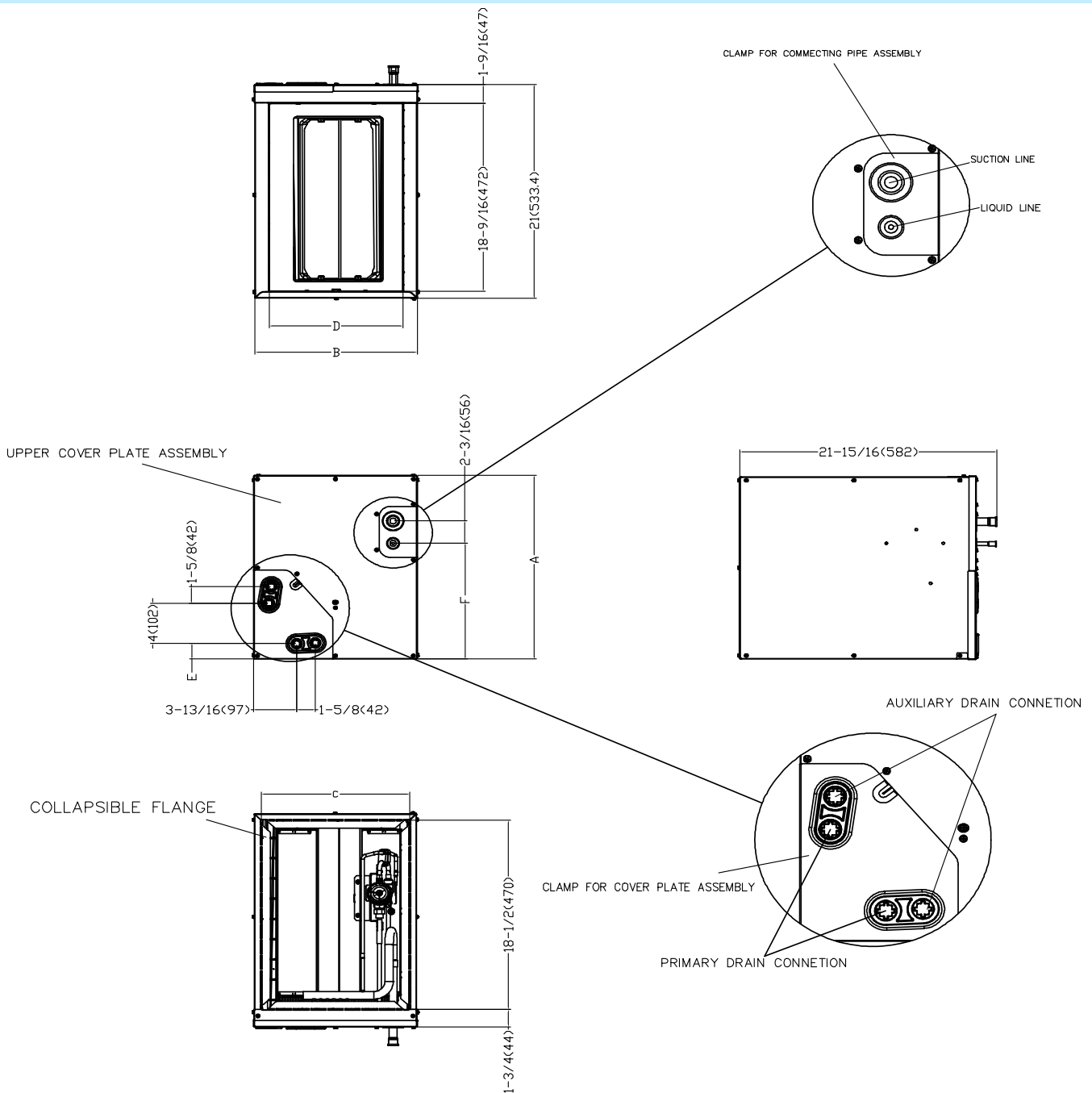
INDOOR UNIT SPECIFICATIONS		
Dimension (W×D×H)	inch	14-1/2 x 21 x 18
	mm	368 x 533 x 457
Package (W×D×H)	inch	17-1/2 x 25-3/8 x 20-5/8
	mm	445 x 645 x 525
Net/Gross Weight	lbs	42 / 50
	kg	19 / 22.5

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge (mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,766
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (W×D×H)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	101 / 109
	kg	46 / 49.5

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	16
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	10.5
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	N/A
Indoor Fan Motor RLA	N/A
Indoor Fan Motor W	N/A
System Power Input @ Cooling (W)	1,538 (530 ~ 2,120)
System Power Input @ Heating (W)	1,687 (350 ~ 2,040)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

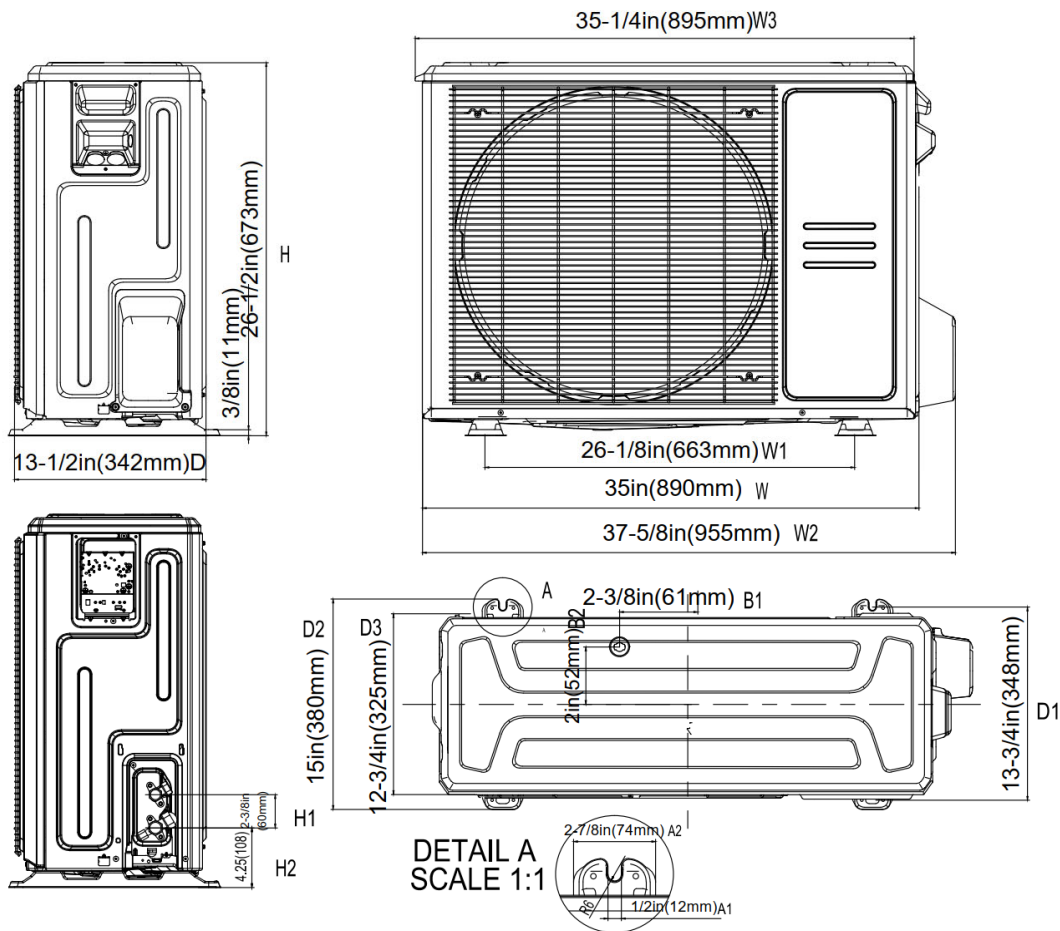
REFRIGERANT PIPING SPECIFICATIONS	
Throttle type (Indoor)	EXV
Throttle type (Outdoor)	EXV
Liquid Size	9.52 mm (3/8in)
Gas Size	19 mm (3/4in)
Max. Piping Length (ft/m)	98 (30)
Max. Height Difference (ft/m)	66 (20)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	74.08 (2.1)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.7(65)
Connection Method	Flared

INDOOR UNIT DIMENSIONS

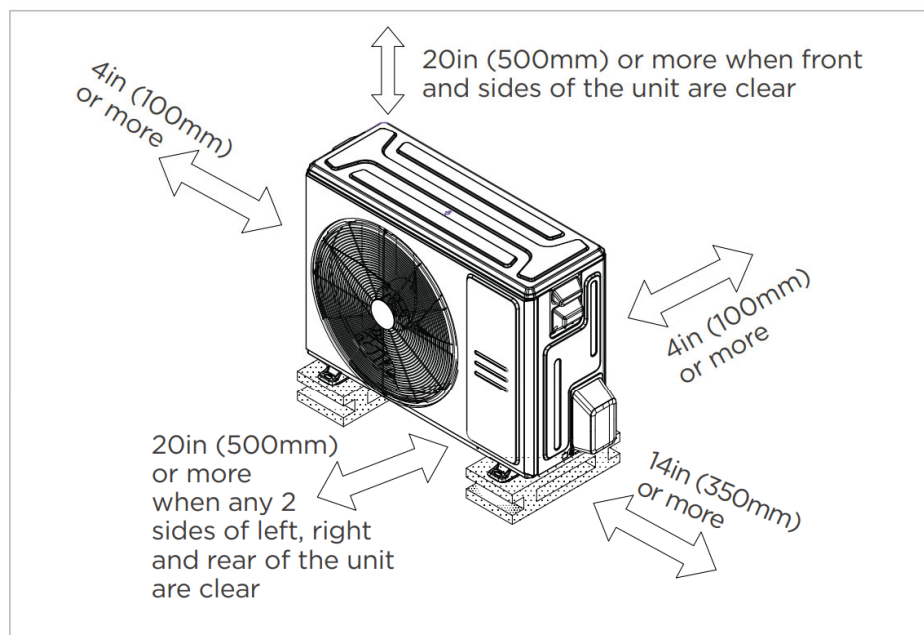


Model	Dimensions	ACiQ-24-ACL-B	ACiQ-24-ACL-14-B	ACiQ-36-ACL-B	ACiQ-36-ACL-17-B	ACiQ-48-ACL-B	ACiQ-60-ACL-B
		inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)
A	Unit Height	18 (457)	18 (457)	24 (611)	23-9/16 (599)	27-3/4 (706)	28 (711)
B	Unit 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



INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

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