



Submittal Data Sheet

Indoor Unit Model#: ACiQ-60-ACL-B
Outdoor Unit Model#: ACiQ-60-AC-B

60K EVAPORATOR A-COIL & 60K AC-COOLING ONLY CONDENSER

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

System Product Code: 810175553733
A-Coil Product Code: 810175552682
Outdoor Unit Product Code: 810175553627



OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY	
Compressor Model	KTQ420D1UMU	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	1400	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	4,503	
Outdoor Noise Level (dBA)	63	
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952 x 415 x 1,333
Package (W×D×H)	inch	43.11 x 16.34 x 58.27
	mm	1,095 x 415 x 1,480
Net/Gross Weight	lbs	212.30 / 244.49
	kg	96.3 / 110.9

EFFICIENCY RATINGS

Cooling		
SEER2		14.8
EER2		8.5

COOLING PERFORMANCE

Cooling (Btu/hr)		
Rated Capacity		54000
Min/Max Capacity		18,000 ~ 54,000
Moisture Removal (L/h)		8.5
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	

EVAPORATOR A-COIL SPECIFICATIONS

Dimension (W×D×H)	inch	24.49 x 20.98 x 27.99
	mm	622 x 533 x 711
Package (W×D×H)	inch	27.75 x 26.18 x 30.32
	mm	705 x 665 x 770
Net/Gross Weight	lbs	81 / 92
	kg	36.8 / 41.9

ELECTRICAL SPECIFICATIONS

Indoor Power Supply	24V, 60Hz, 1Ph	
Outdoor Power Supply	208/230V, 60Hz, 1Ph	
Outdoor MCA	37	
Outdoor MOP	40	
Communication Wiring	AWG 20-2	
Compressor RLA	27.5	
Outdoor Fan Motor RLA	2.4	
System Power Input @ Cooling (W)	6375 (1,580 ~ 6,375)	
MCA: Min. circuit amps (A)	MOCP: Max. overcurrent protection (A)	
RLA: Rated load amps (A)	W: Fan motor rated output (W)	

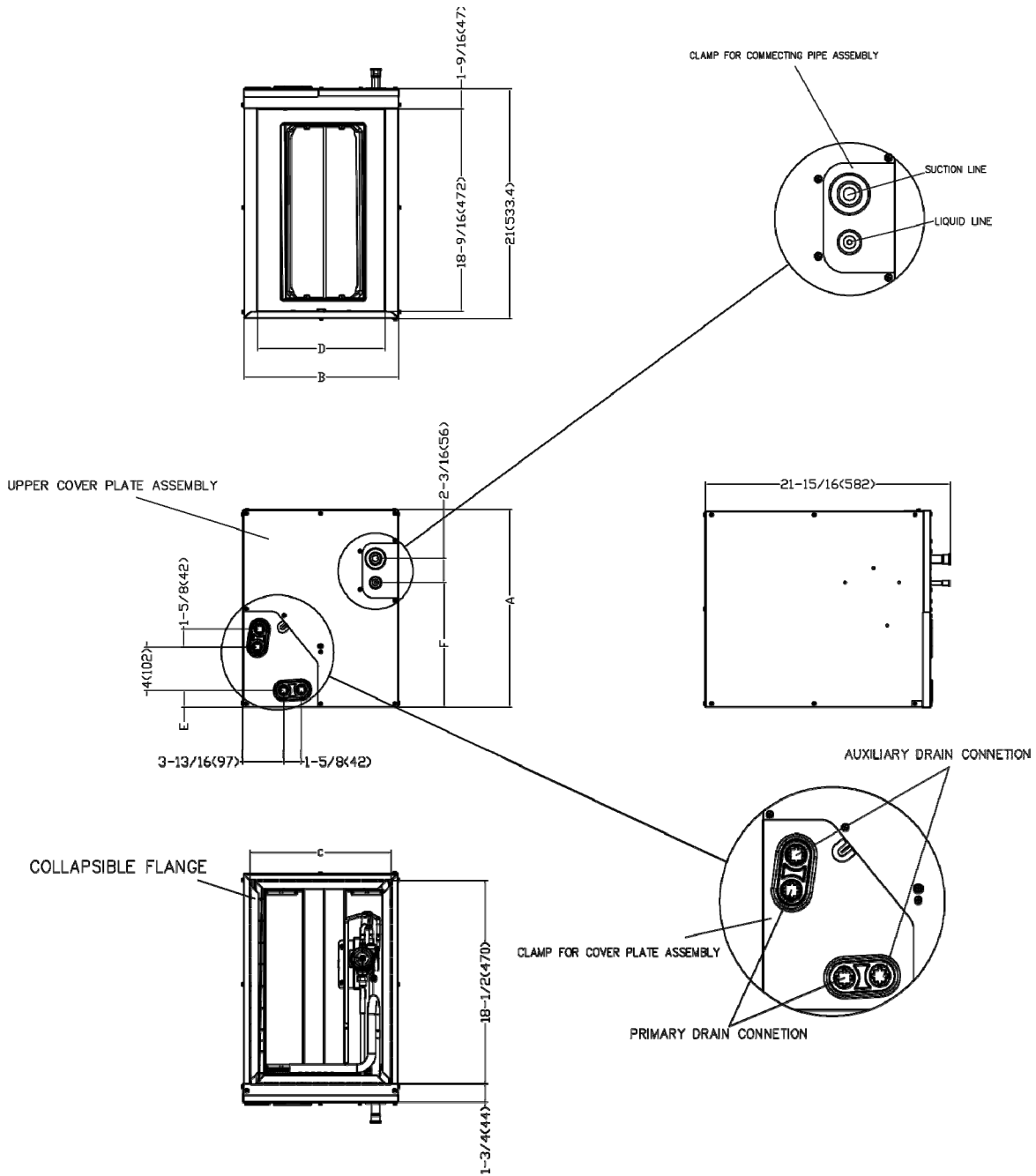
REFRIGERANT PIPING SPECIFICATIONS

Throttle type (Indoor)	TXV
Liquid Size	9.52mm (3/8in)
Gas Size	19mm (3/4in)
Max. Piping Length (ft/m)	246 (75)
Max. Height Difference (ft/m)	98(30)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	169.32 (4.80)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.7 (65)
Connection Method	Flared

FEATURES

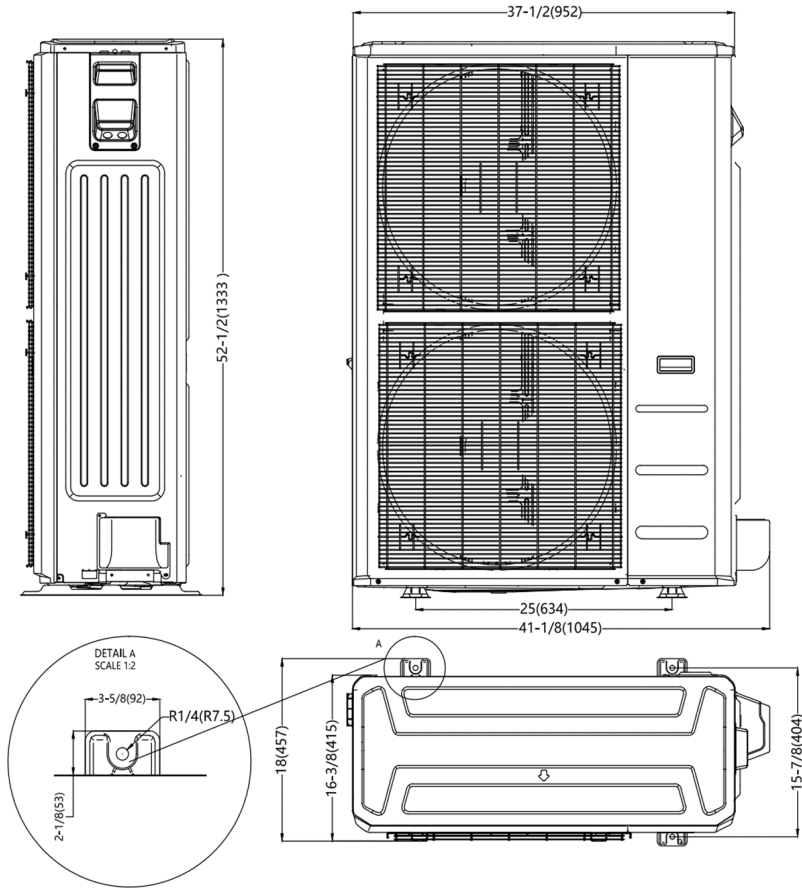
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Third-Party 24V Thermostat

INDOOR UNIT DIMENSIONS



Model		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

