



Submittal Data Sheet

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

Outdoor Unit Model#: ACiQ-48-AC-B

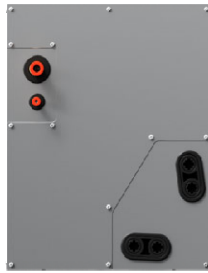
48K EVAPORATOR A-COIL & 48K AC-COOLING ONLY CONDENSER

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

System Product Code: 81017553719

A-Coil Product Code: 810175552675

Outdoor Unit Product Code: 810175553603



EFFICIENCY RATINGS

Cooling	
SEER2	15.3
EER2	9.8

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	44,000
Min/Max Capacity	17,600 ~ 52,000
Moisture Removal (L/h)	6.31
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	21.61 x 21.50 x 27.80
	mm	549 x 546 x 706
Package (W×D×H)	inch	31.69 x 25.59 x 26.57
	mm	805 x 650 x 675
Net/Gross Weight	lbs	44 / 52
	kg	43.9 / 52.2

OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY	
Compressor Model	KTQ420D1UMU	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	1400	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3,037	
Outdoor Noise Level (dBA)	65	
Dimension (W×D×H)	inch	38.58 x 16.34 x 38.39
	mm	980 x 415 x 975
Package (W×D×H)	inch	45.08 x 19.68 x 42.52
	mm	1,145 x 500 x 1,080
Net/Gross Weight	lbs	187.17 / 218.48
	kg	84.9 / 99.1

ELECTRICAL SPECIFICATIONS

Indoor Power Supply	24V, 60Hz, 1Ph
Outdoor Power Supply	208/230V, 60Hz, 1Ph
Outdoor MCA	36
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	27
Outdoor Fan Motor RLA	2
System Power Input @ Cooling (W)	4,490 (1,510 ~ 5,500)
MCA: Min. circuit amps (A)	MOCP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

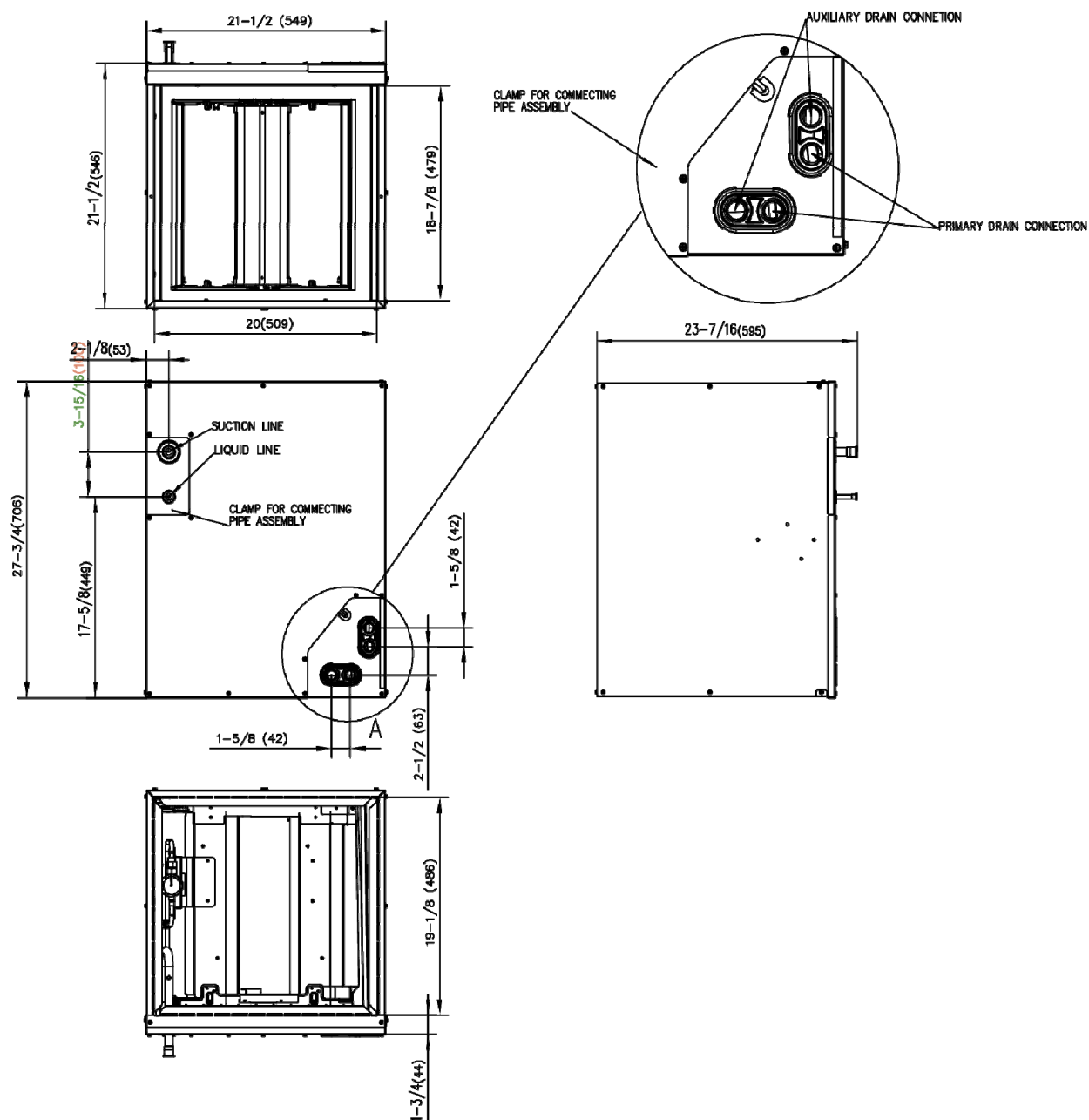
REFRIGERANT PIPING SPECIFICATIONS

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)	141.10 (4.00)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.7 (65)
Connection Method	Flared

FEATURES

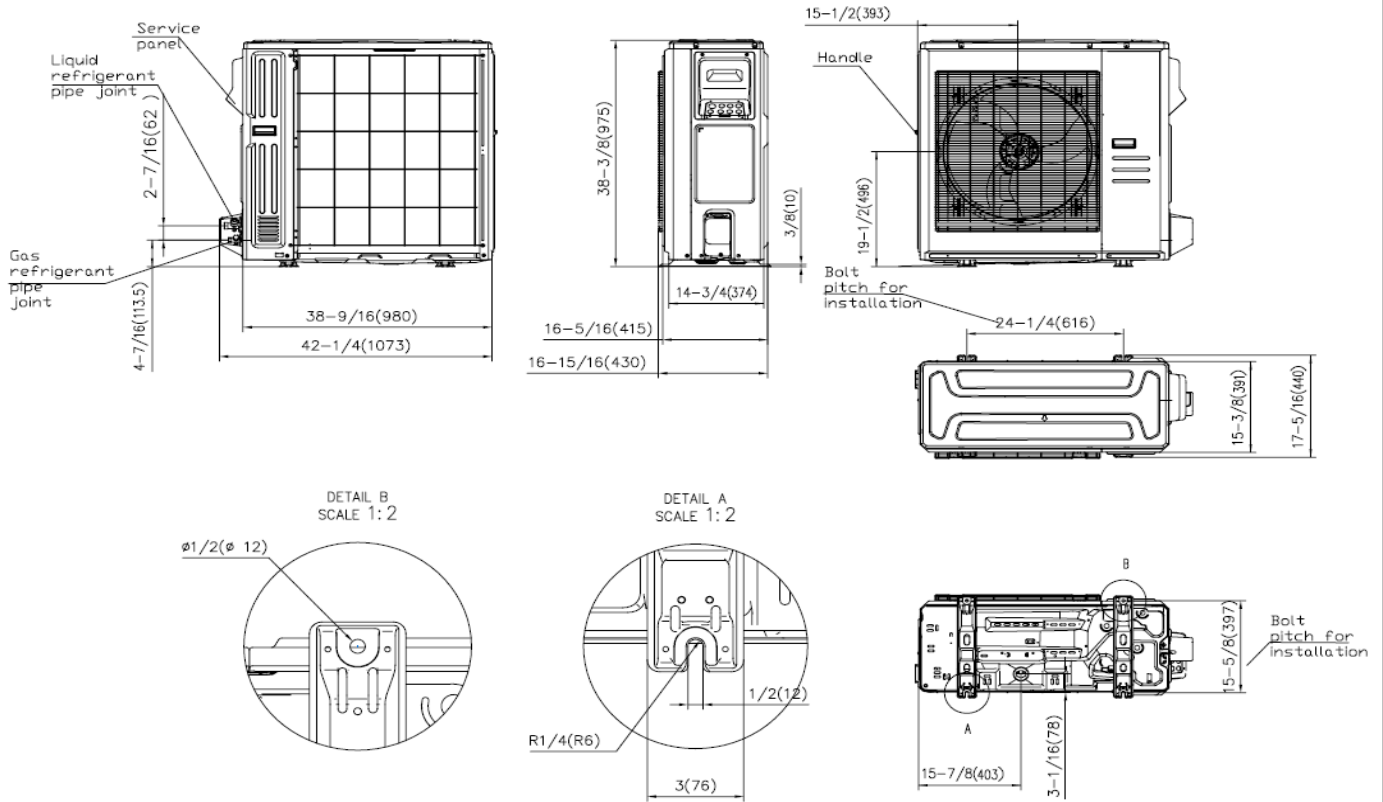
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Third-Party 24V Thermostat

INDOOR UNIT DIMENSIONS

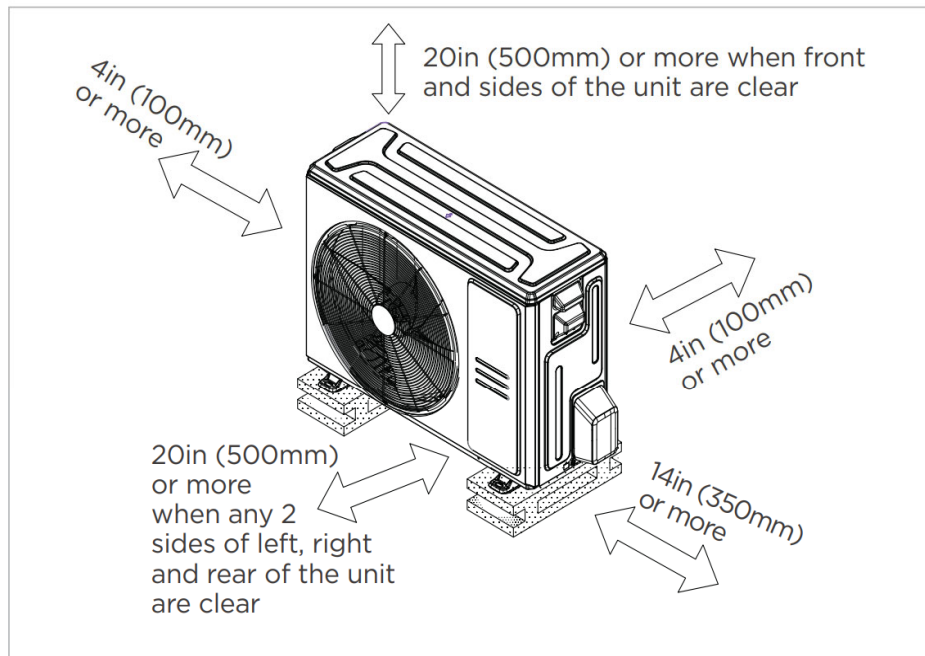


Model	Dimensions	ACiQ-24-ACL-B	ACiQ-24-ACL-14-B	ACiQ-36-ACL-B	ACiQ-36-ACL-17-B	ACiQ-48-ACL-B	ACiQ-60-ACL-B
		inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)	inch (millimeter)
A	Unit Height	18 (457)	18 (457)	24 (611)	23-9/16 (599)	27-3/4 (706)	28 (711)
B	Unit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