Submittal Data Sheet

Indoor Unit Model#: ACiQ-24-ACL-B
Outdoor Unit Model#: ACiQ-18-AC-B

24K EVAPORATOR A-COIL & 18K AC-COOLING ONLY CONDENSER

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

System Product Code: 810175553634
A-Coil Product Code: 810175552637
Outdoor Unit Product Code: 810175553566

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KSN140D58UFZ
Refrigerant		R454B
Refrigerant Oil Charge (mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,413
Outdoor Noise Level (dBA)		54
Dimension (W×D×H)	**inch**	31.69 x 12.99 x 21.81
	mm	805 x 330 x 554
Package (W×D×H)	**inch**	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	**lbs**	66.80 / 73.41
	kg	30.3 / 33.3

ELECTRICAL SPECIFICATIONS

Indoor Power Supply	24V, 60Hz, 1Ph
Outdoor Power Supply	208/230V, 60Hz, 1Ph
Outdoor MCA	16
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	12
Outdoor Fan Motor RLA	0.5
System Power Input @ Cooling (W)	1,608 (440 ~ 2,300)
MCA: Min. circuit amps (A)	**MOCP: Max. overcurrent protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

EFFICIENCY RATINGS

Cooling	
SEER2	16
EER2	11.2

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	5,100 ~ 21,100
Moisture Removal (L/h)	2.17
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**	17.52 x 20.98 x 17.99
	mm	445 x 533 x 457
Package (W×D×H)	**inch**	20.47 x 26.18 x 20.87
	mm	520 x 665 x 530
Net/Gross Weight	**lbs**	42 / 50
	kg	19 / 22.5

REFRIGERANT PIPING SPECIFICATIONS

Throttle type (Indoor)	TXV
Liquid Size	9.52mm (3/8in)
Gas Size	19mm (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)	42.33 (1.20)
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

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

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