Submittal Data Sheet

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

24K 14" EVAPORATOR A-COIL & 24K AC-COOLING ONLY CONDENSER

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

System Product Code: 810175553665
A-Coil Product Code: 810175552644
Outdoor Unit Product Code: 810175553573

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)		56
Dimension (W×D×H)	**inch**	35.04 x 13.46 x 26.50
	mm	890 x 342 x 673
Package (W×D×H)	**inch**	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	**lbs**	89.29 / 97.00
	kg	40.5 / 44

ELECTRICAL SPECIFICATIONS

Indoor Power Supply	24V, 60Hz, 1Ph
Outdoor Power Supply	208/230V, 60Hz, 1Ph
Outdoor MCA	19
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	14
Outdoor Fan Motor RLA	0.8
System Power Input @ Cooling (W)	2,170 (600 ~ 3,450)
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	15.5
EER2	10.6

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	23,000
Min/Max Capacity	7,600 ~ 28,700
Moisture Removal (L/h)	2.7
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**	14.49 x 20.98 x 17.99
	mm	368 x 533 x 457
Package (W×D×H)	**inch**	17.52 x 25.39 x 20.67
	mm	445 x 645 x 525
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)	164 (50)
Max. Height Difference (ft/m)	82 (25)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	52.21 (1.48)
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.