Submittal Data Sheet

Indoor Unit Model#: AC-I-4860ACL-24
Outdoor Unit Model#: AC-I-42AC14

R32 48K 24.5" EVAPORATOR A-COIL & 42K TOP-DISCHARGE AC-COOLING ONLY CONDENSER

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

System UPC Product Code: 810175554228
A-Coil UPC Product Code: 810175554075
Outdoor Unit UPC Product Code: 810175554129

EFFICIENCY RATINGS

Cooling	
SEER2	14.30
EER2	11.70

COOLING PERFORMANCE & OPERATING TEMPERATURE

Cooling (Btu/hr)		
Rated Capacity	42000	
System Power Input (W)	3580	
Rated Current (A)	16.20	
Ambient Temperature Range (Cooling Operation)		
Indoor Unit	**°F**	60°F ~ 90°F
	°C	16°C ~ 32°C
Outdoor Unit	**°F**	5°F ~ 131°F
	°C	-15°C ~ 55°C

ELECTRICAL SPECIFICATIONS

Indoor Power Supply	220-230V, 1Ph, 60Hz
Outdoor Power Supply	208/230V, 1 Ph, 60Hz
Voltage Range (V)	187 ~ 253
Outdoor MCA (A)	25
Outdoor MOP (A)	35
MCA: Min. circuit amps (A)	**MOP: Max. overcurrent protection (A)**

EVAPORATOR A-COIL SPECIFICATIONS

Dimension (W×D×H)	**inch**	24.50 x 21.02 x 27.80
	mm	622 x 534 x 706
Package (W×D×H)	**inch**	28.15 x 27.36 x 30.12
	mm	715 x 695 x 765
Net/Gross Weight	**lbs**	97.0 / 115.0
	kg	43.9 / 52.2

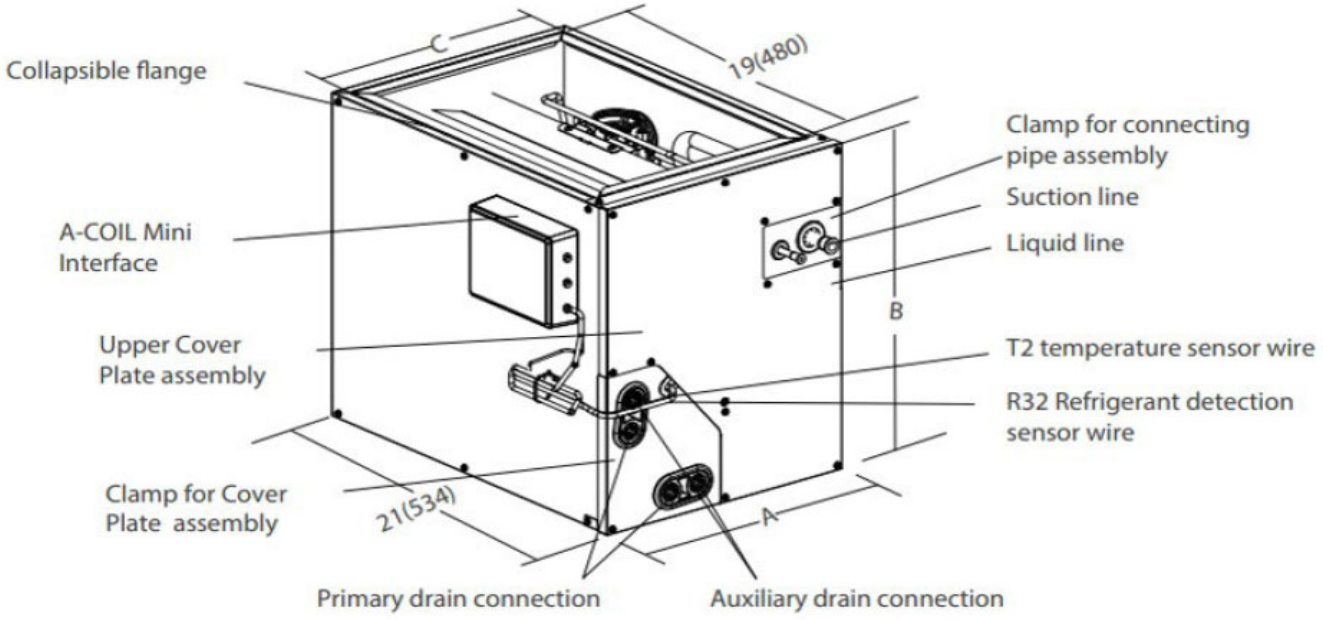
OUTDOOR UNIT SPECIFICATIONS

Compressor Type		Scroll
Compressor Model		SKDA036N1ULB
Compressor Capacity (W)		12500
Compressor Input (W)		2747
Compressor Rated Current RLA (A)		12.5
Refrigerant Oil Type		Ester Oil VG46
Refrigerant Oil Charge (mL)		720
Outdoor Noise Level (dBA)		60
Outdoor Airflow (CFM)		2950
Outdoor Fan Motor Qty.		1
Outdoor Fan Motor Input (W)		200
Outdoor Fan Motor RLA (A)		0.92
Dimension (W×D×H)	**inch**	29.13 x 29.13 x 32.87
	mm	740 x 740 x 835
Package (W×D×H)	**inch**	30.32 x 30.32 x 34.01
	mm	770 x 770 x 865
Net/Gross Weight	**lbs**	157.0 / 168.0
	kg	71.0 / 76.0
RLA: Rated Load Amps		**W: Watts**

REFRIGERANT & PIPING SPECIFICATIONS

Throttle type (Indoor)		TXV for Cooling
Refrigerant Type		R32
Refrigerant Charge	**oz**	91.71
	kg	2.60
Additional Charge of Refrigerant	**oz/ft**	0.52
	g/m	48.0
Liquid Side	**in**	3/8"
	mm	9.53
Gas Side	**in**	3/4"
	mm	19.05
Max. Piping Length (Condenser Pre-Charge)	**ft**	24.6
	m	7.5
Max. Piping Length	**ft**	164
	m	50
Max. Height Difference	**ft**	82
	m	25
Drainage Water Pipe Diameter (O.D.)	**in**	3/4"
	mm	19.05 mm
Connection Method	**Indoor Unit**	Braze
	Outdoor Unit	Flare to Braze

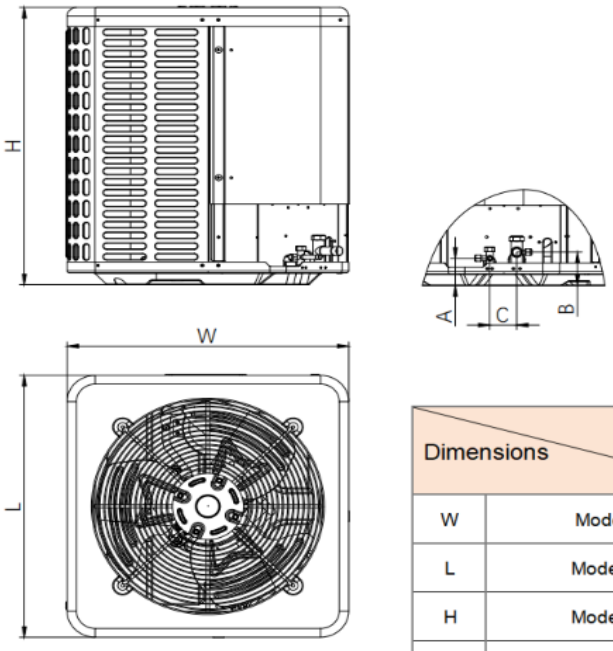
EVAPORATOR A-COIL DIMENSIONS



Model	18K/24K A-Coil 17.5"		30K/36K A-Coil 17.5"		30K/36K A-Coil 21"	
Dimensions	inch	mm	inch	mm	inch	mm
A	17-1/2	445	17-1/2	445	21	534
B	18	457	23-1/2	599	23-1/2	599
C	16-2/5	416	16-2/5	416	19-3/4	505

Model	48K/60K A-Coil 21"		48K/60K A-Coil 24.5"	
Dimensions	inch	mm	inch	mm
A	21	534	24-1/2	622
B	27-4/5	706	27-4/5	706
C	19-3/4	505	23-2/5	594

OUTDOOR UNIT DIMENSIONS



Dimensions / Model		18K/24K		30K/36K		42K/48K/60K	
		inch	mm	inch	mm	inch	mm
W	Model width	23-5/8	600	29-9/64	740	29-9/64	740
L	Model length	23-5/8	600	29-9/64	740	29-9/64	740
H	Model height	25	635	25	635	32-7/8	835
A	Liquid side valve height	2-31/64	63	2-31/64	63	2-31/64	63
B	Distance between two valves	3-1/32	77	3-1/32	77	3-1/32	77
C	Gas side valve height	2-9/32	58	2-9/32	58	2-9/32	58