Submittal Data Sheet

Indoor Unit Model#: AC-I-4860ACL-24
Outdoor Unit Model#: AC-I-42HP14

R32 4860ACL 24.5" EVAPORATOR A-COIL & 42K TOP-DISCHARGE HEAT PUMP CONDENSER	
Location:	**Approval:**
Engineer:	**Date:**
Submitted to:	**Construction:**
Submitted by:	**Unit #:**
Reference:	**Drawing #:**

System UPC Product Code: 810175556451
A-Coil UPC Product Code: 810175554075
Outdoor Unit UPC Product Code: 810175555904



EFFICIENCY RATINGS			
Cooling		**Heating**	
SEER2	14.3	**HSPF2-4**	7.5
EER2	11.7	**HSPF2-5**	7.5

COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	42000

HEATING PERFORMANCE	
Heating (Btu/hr)	
Rated Capacity	42000
5°F (-15°C) Rated Capacity	19000

OPERATIONAL SPECIFICATIONS		
Indoor Unit Operating Temperature Range		
Heating & Cooling	**°F**	62.6°F ~ 89.6°F
	°C	17°C ~ 32°C
Outdoor Unit Operating Temperature Range		
Cooling	**°F**	23°F ~ 125.6°F
	°C	-5°C ~ 52°C
Heating	**°F**	-4°F ~ 86°F
	°C	-20°C ~ 30°C

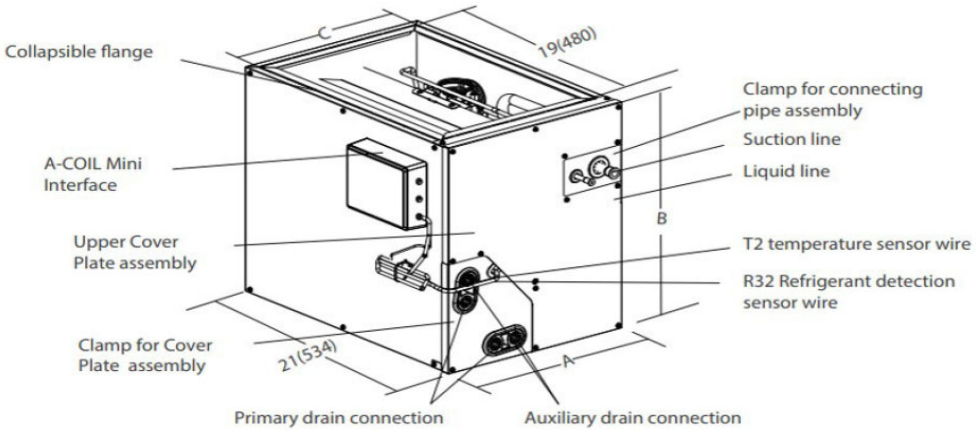
ELECTRICAL SPECIFICATIONS		
Indoor Power Supply	**V, Ph, Hz**	24V, 1 Ph, 60Hz
Outdoor Power Supply	**V, Ph, Hz**	208/230V, 1 Ph, 60Hz
Outdoor MCA	**A**	25
Outdoor MOP	**A**	35

EVAPORATOR A-COIL SPECIFICATIONS		
Dimension (W×D×H)	**inch**	24.49 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 Rated Power Input	**W**	2747
Compressor Rated Current RLA	**A**	12.5
Refrigerant Oil Type	**- -**	VG46
Refrigerant Oil Charge	**mL**	740
Outdoor Noise Level	**dBA**	60.0
Outdoor Airflow	**CFM**	2950
Outdoor Fan Motor Type	**- -**	BLDC Motor
Outdoor Fan Motor Power 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 34.06
	mm	770 x 770 x 865
Net/Gross Weight	**lbs**	176.0 / 187.0
	kg	80.0 / 85.0

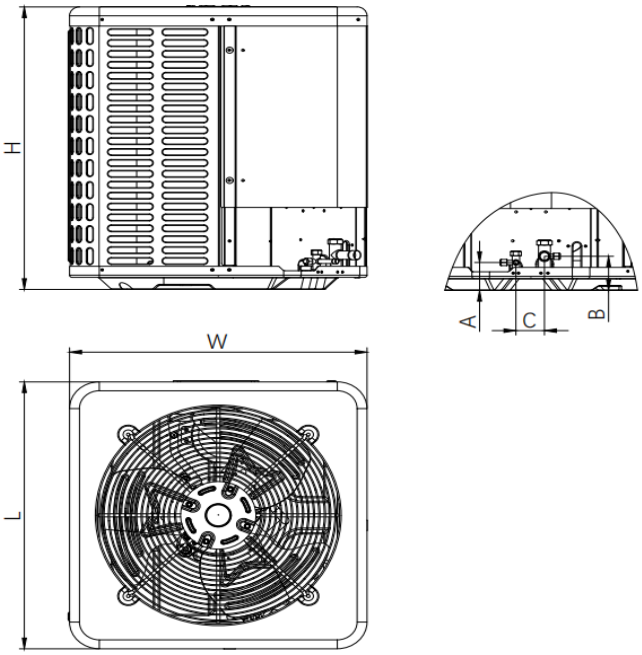
REFRIGERANT & PIPING SPECIFICATIONS		
Throttle type (Indoor)	**- -**	TXV
Refrigerant Type	**- -**	R32
Refrigerant Charge	**oz**	91.70
	kg	2.60
Design Pressure	**PSIG**	609 / 174
	mpa	4.20 / 1.20
Liquid Side	**in**	3/8"
	mm	9.53
Gas Side	**in**	3/4"
	mm	19.05
Max. Piping Length (Condenser Pre-Charge)	**ft**	24.6
	m	7.5
Max. Piping Length	**ft**	164.0
	m	50.0
Max. Height Difference	**ft**	98.0
	m	30.0
Drainage Water Pipe Diameter (O.D.)	**in**	3/4"
	mm	19
Connection Method	**Indoor Unit**	Braze
	Outdoor Unit	Flare to Braze

EVAPORATOR A-COIL DIMENSIONS



Model	AC-I-3036ACL-17		AC-I-3036ACL-21	
Dimensions	inch	mm	inch	mm
A	17-1/2	445	21	534
B	23-1/2	599	23-1/2	599
C	16-2/5	416	19-3/4	505
Model	**AC-I-4860ACL-21**		**AC-I-4860ACL-24**	
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

OUTDOOR UNIT INSTALLATION INSTRUCTIONS & CLEARANCE REQUIREMENTS

