Submittal Data Sheet

Indoor Unit Model#: AC-I-3036ACL-17
Outdoor Unit Model#: AC-I-24HP14

R32 3036ACL 17.5" EVAPORATOR A-COIL & 24K TOP-DISCHARGE HEAT PUMP CONDENSER	
Location:	**Approval:**
Engineer:	**Date:**
Submitted to:	**Construction:**
Submitted by:	**Unit #:**
Reference:	**Drawing #:**

System UPC Product Code: 810175556383
A-Coil UPC Product Code: 810175554044
Outdoor Unit UPC Product Code: 810175555874



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	24000
Power Input (W)	2051
Rated Current (A)	10.96

HEATING PERFORMANCE	
Heating (Btu/hr)	
Rated Capacity	24000
5°F (-15°C) Rated Capacity	11000

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

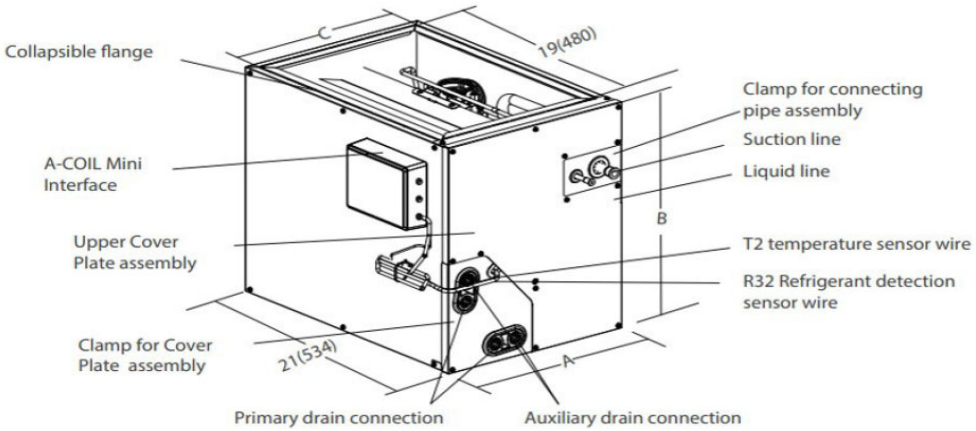
ELECTRICAL SPECIFICATIONS		
Indoor Power Supply	**V, Ph, Hz**	24V, 1 Ph, 60Hz
Outdoor Power Supply	**V, Ph, Hz**	208/230V, 1 Ph, 60Hz
Outdoor MCA	**A**	20
Outdoor MOP	**A**	25

EVAPORATOR A-COIL SPECIFICATIONS		
Dimension (W×D×H)	**inch**	17.52 x 21.02 x 23.58
	mm	445 x 534 x 599
Package (W×D×H)	**inch**	21.26 x 27.36 x 25.98
	mm	540 x 695 x 660
Net/Gross Weight	**lbs**	59.5 / 68.0
	kg	27.0 / 30.9

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type	**- -**	Rotary
Compressor Model	**- -**	KSF200N1VKTB3
Compressor Capacity	**W**	7590
Compressor Rated Power Input	**W**	1710
Compressor Rated Current RLA	**A**	8.4
Refrigerant Oil Type	**- -**	VG74
Refrigerant Oil Charge	**mL**	640
Outdoor Noise Level	**dBA**	58.0
Outdoor Airflow	**CFM**	2000
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**	23.62 x 23.62 x 25.00
	mm	600 x 600 x 635
Package (W×D×H)	**inch**	25.98 x 25.98 x 26.18
	mm	660 x 660 x 665
Net / Gross Weight	**lbs**	119.0 / 126.0
	kg	54.0 / 57.0

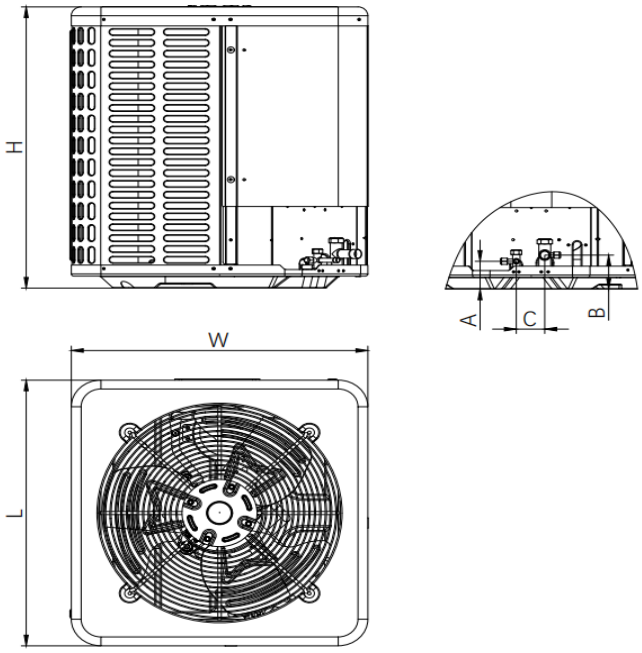
REFRIGERANT & PIPING SPECIFICATIONS		
Throttle type (Indoor)	**- -**	TXV
Refrigerant Type	**- -**	R32
Refrigerant Charge	**oz**	52.91
	kg	1.50
Design Pressure	**PSIG**	609 / 174
	mpa	4.20 / 1.20
Liquid Side	**in**	3/8"
	mm	9.53
Gas Side	**in**	3/4"
	mm	19.05
Max. Piping Length (Condenser Pre-Charge)	**ft**	24.6
	m	7.5
Max. Piping Length	**ft**	131.0
	m	40.0
Max. Height Difference	**ft**	82.0
	m	25.0
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

