

Submittal Data Sheet

Indoor Unit Model#: AC-I-3036ACL-21

Outdoor Unit Model#: AC-I-24HP14

R32 3036ACL 21" EVAPORATOR A-COIL & 24K TOP-DISCHARGE HEAT PUMP CONDENSER

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



EVAPORATOR A-COIL SPECIFICATIONS

Dimension (W×D×H)	inch	21.02 x 21.02 x 23.58
	mm	534 x 534 x 599
Package (W×D×H)	inch	24.80 x 27.36 x 25.98
	mm	630 x 695 x 660
Net/Gross Weight	lbs	64.0 / 74.0
	kg	29.2 / 33.6

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

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

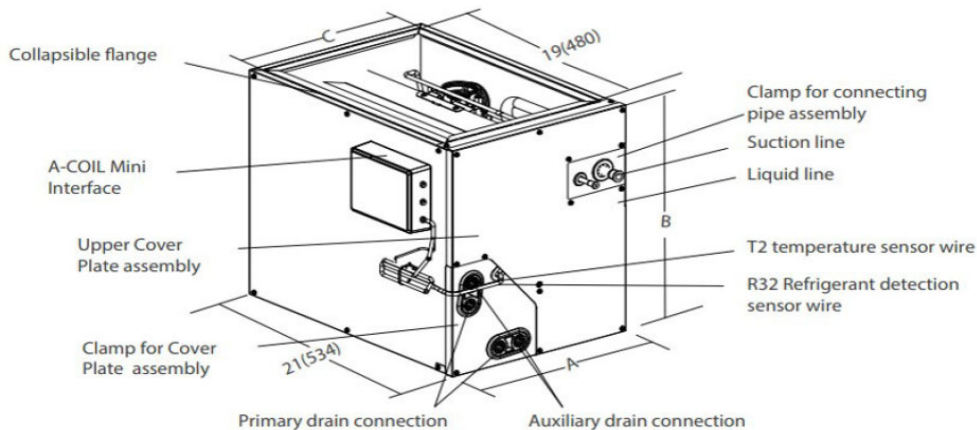
ELECTRICAL SPECIFICATIONS

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

REFRIGERANT & PIPING SPECIFICATIONS

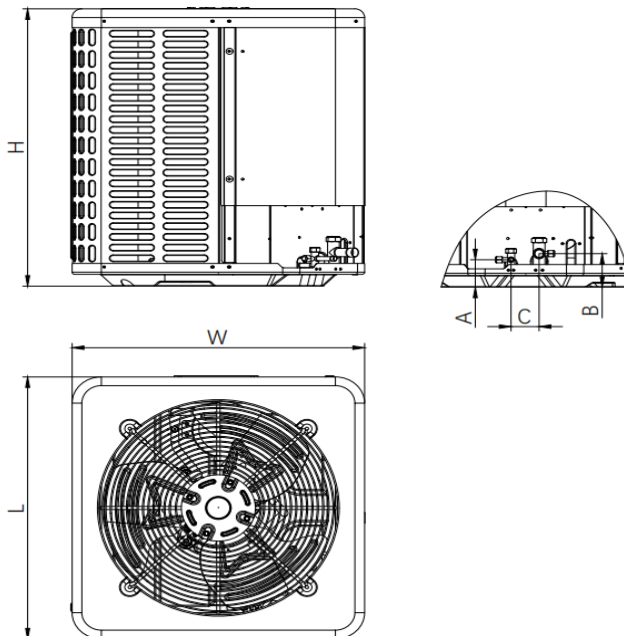
Throttle type (Indoor)	--	TXV
Refrigerant Type	--	R32
Refrigerant Charge	oz	52.91
	kg	1.50
Design Pressure	PSIG	609 / 174
	mpa	4.20 / 1.20
Liquid Side	in	3/8"
	mm	9.53
Gas Side	in	3/4"
	mm	19.05
Max. Piping Length (Condenser Pre-Charge)	ft	24.6
	m	7.5
Max. Piping Length	ft	131.0
	m	40.0
Max. Height Difference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

