

SUBMITTAL DATA SHEET

Series Name: Apex Series Heat Pump
Model Number: CPAPS30KR3A/CPAPS30KR3C



Air Handler Heat Pump System

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	1000/820/650	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	50/48/46	
Dimension (W×D×H)	inch	21x21x49
	mm	534x534x1245
Package (W×D×H)	inch	24-5/8x27-3/4x55-1/2
	mm	625x705x1410
Net/Gross Weight	lbs	132.9/152.1
	kg	60.3/69

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Refrigerant	R32	
Refrigerant Oil Charge(mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2471	
Outdoor Noise Level (dBA)	59	
Dimension (W×D×H)	inch	41-3/16x17-15/16x31-13/16
	mm	1046x455x808
Package (W×D×H)	inch	43-1/2x19-1/2x35-11/16
	mm	1105x495x895
Net/Gross Weight	lbs	147.3/156.48
	kg	66.8 / 71

EFFICIENCY

Cooling		Heating	
SEER2	18.0	HSPF2-4	8.5
EER2	10.0	COP	3.6

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	30,000
Min/Max Capacity	8,000~30,000
Moisture Removal(L/h)	3.53
Standard Operating Range(°F/°C)	5~125(-15~52)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	32,000
1. @ 47°F Min/Max Capacity	4,500-33,000
2. @ 17°F Rated	22,000
3. @ 5°F Rated: Capacity	22,000
3. @ 5°F Max: Capacity	22,000
Standard Operating Range(°F/°C)	5~75(-15~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

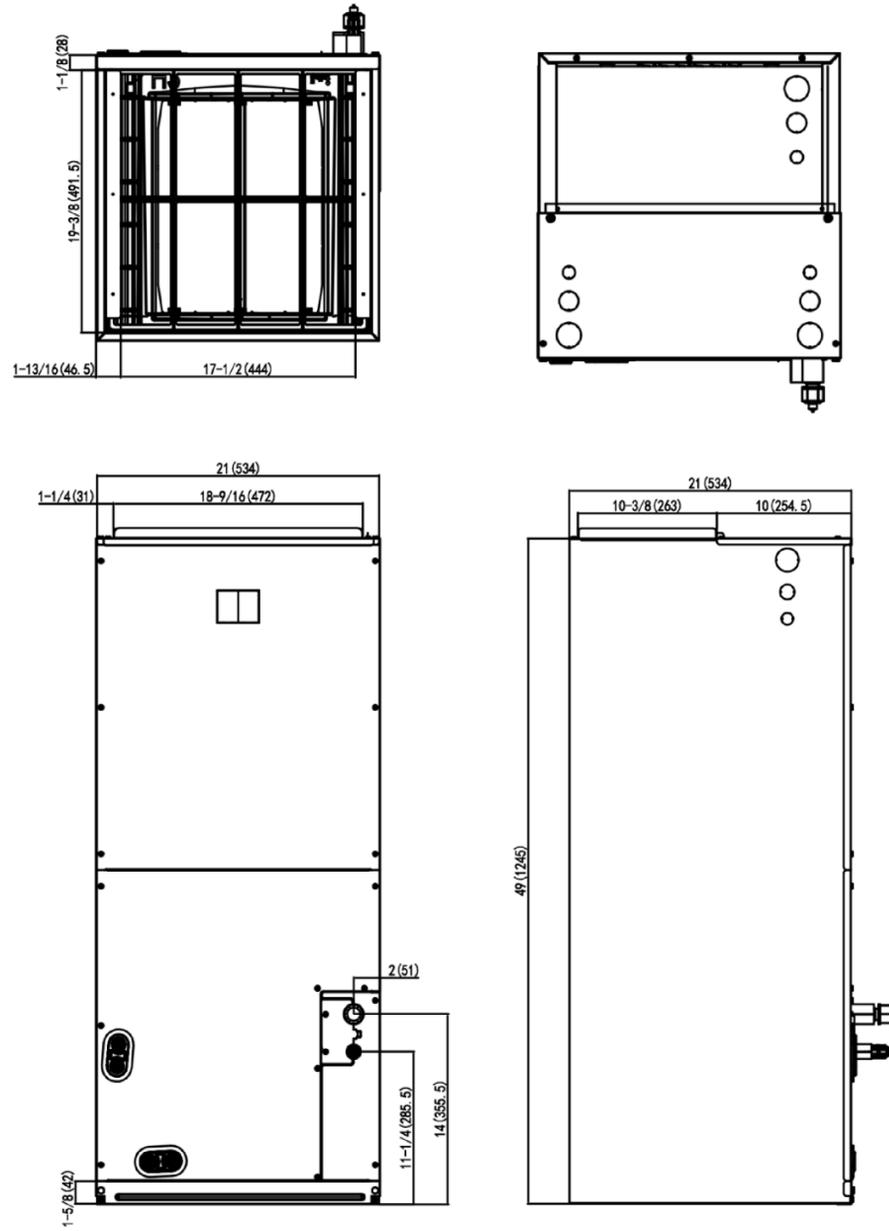
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	21
Connection Wiring	AWG 12-3
System MOCP	30
Compressor RLA	15
Outdoor Fan Motor RLA	1.5
Indoor Fan Motor RLA	3.6
Indoor Fan Motor W	370
System Power Input @ Cooling (W)	3,000
System Power Input @ Heating (W)	2,605
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

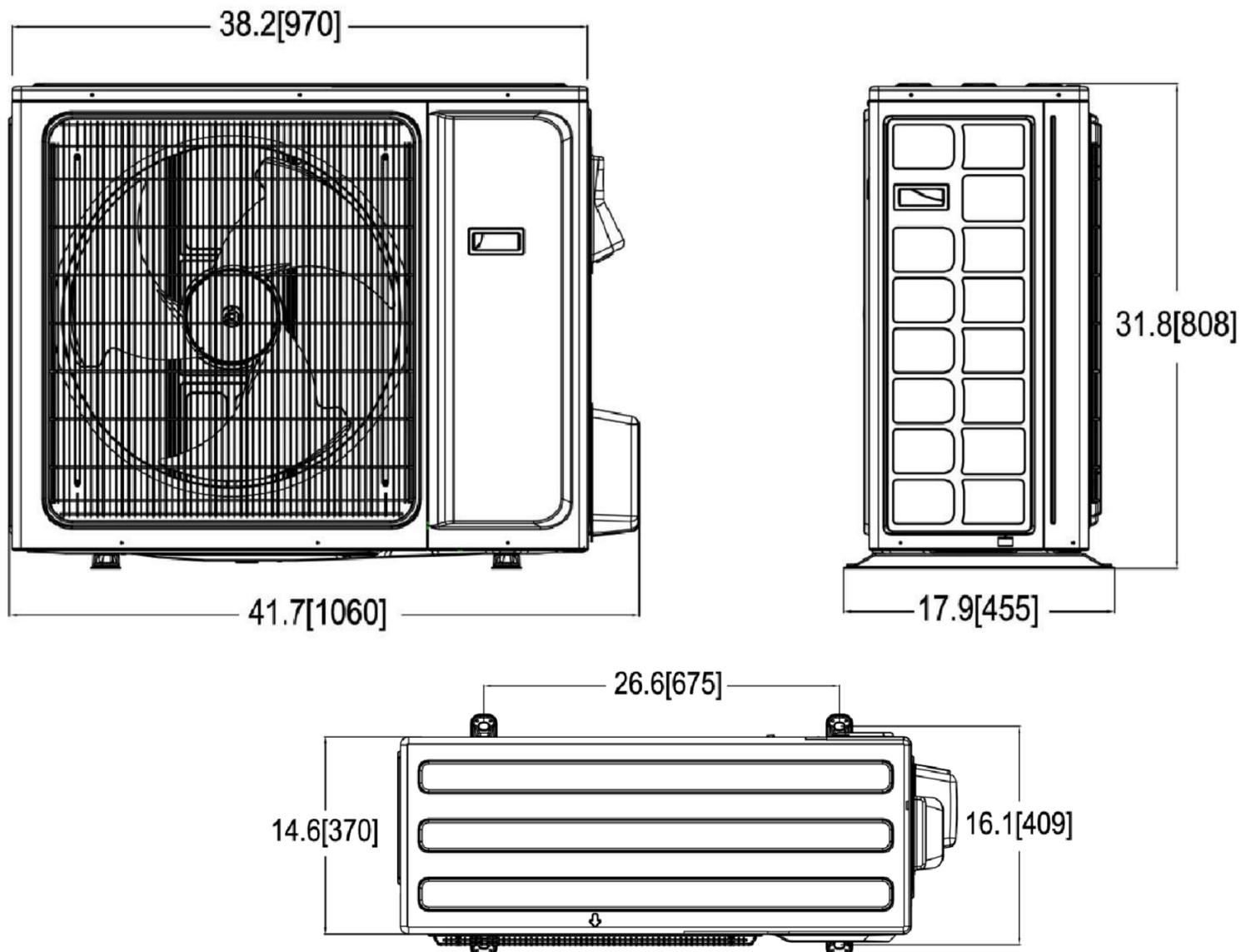
PIPING

Liquid Size	3/8(Φ9.52)
Gas Size	5/8(Φ15.88)
Max. Piping Length(ft/m)	98.4(30)
Max. Height Difference(ft/m)	49(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	81.13(2.3)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

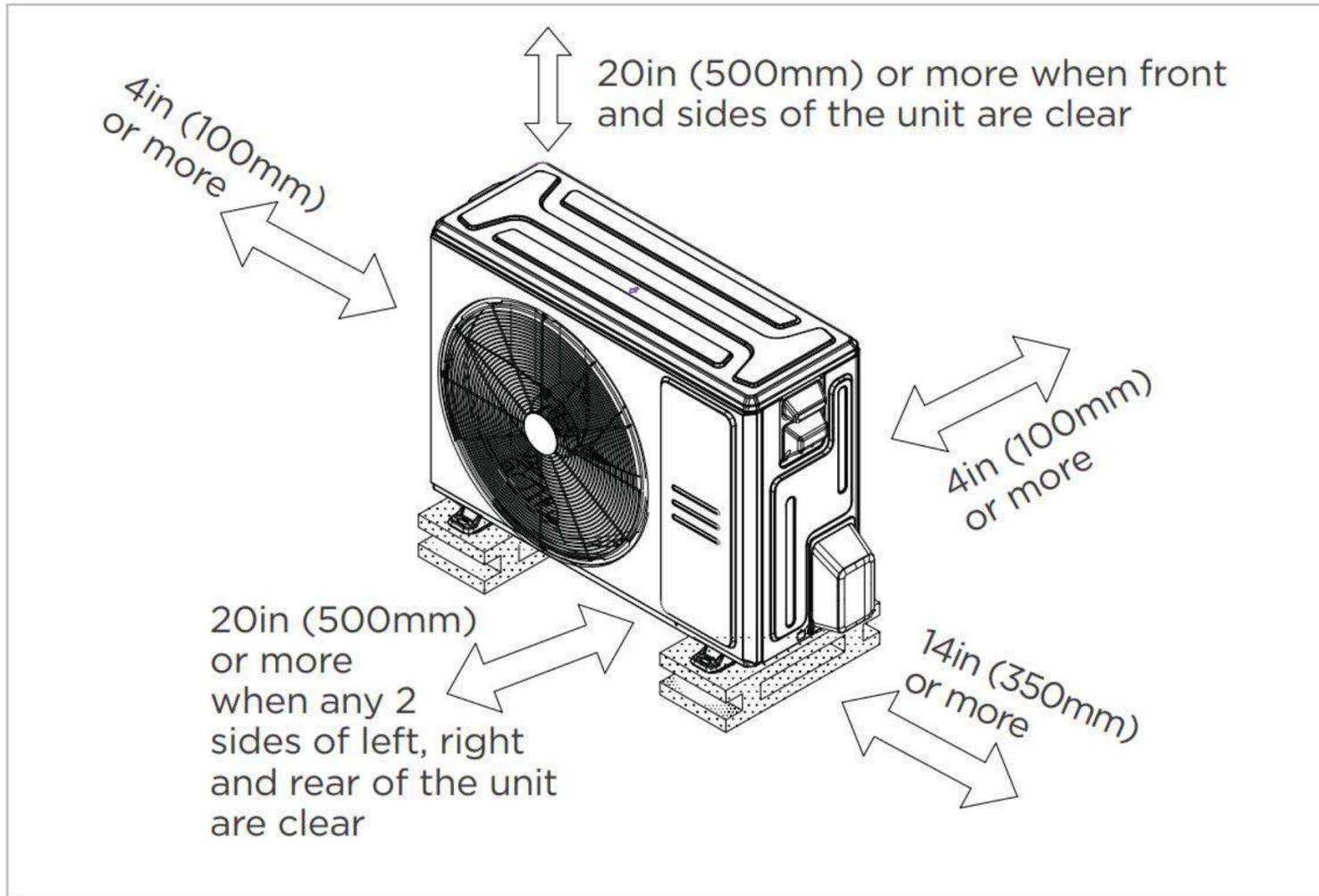
Indoor Unit Dimension



Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

- Reliable operation in extreme conditions: effective heating down to 5°F and cooling up to 125°F ambient for year-round comfort
- Wide voltage range (170–263V) for stable performance during power fluctuations and PCB surge protection
- Extended refrigerant piping: up to 164 ft total length and 98 ft height difference for greater installation flexibility
- Four-position installation versatility: Upflow, Downflow, Horizontal Left, Horizontal Right
- Auto-restart after power interruptions, automatically resuming prior settings
- Refrigerant cooling system to reduce PCB temperatures and prevent overheating
- Dual-protocol communication support (24V and 485) for seamless integration
- High external static pressure: rated up to 0.5 in. W.C., maximum up to 1.0 in. W.C.
- AHRI certified and ETL listed