

Air Handler Heat Pump System			
Location:		Approval:	
Engineer:		Date:	
Submitted to:		Construction:	
Submitted by:		Unit #:	
Reference:		Drawing #:	



INDOOR SPECIFICATION			
Indoor Air Flow (High/Low) (CFM)			796/660
Indoor Noise Level (High/Low) (dBA)			52
Dimension (W×D×H)	inch		20-15/32×14-61/64×36-1/32
	mm		520×380×915
Package (W×D×H)	inch		23-15/64×17-23/32×39-11/64
	mm		580×436×995
Net/Gross Weight	lbs		88/95
	kg		39.9/43.1

OUTDOOR SPECIFICATION			
Compressor Type			ROTARY
Compressor Model			KTN210D60UMT3
Refrigerant			R32
Refrigerant Oil Charge(mL)			630
Refrigerant Oil			VG74
Outdoor Air Flow (Max) (CFM)			2100.0
Outdoor Noise Level (dBA)			58
Dimension (W×D×H)	inch		23-5/8×23-5/8×25
	mm		600×600×635
Package (W×D×H)	inch		25-63/64×25-63/64×26-3/16
	mm		660×660×665
Net/Gross Weight	lbs		114/120
	kg		51.5/54.5

EFFICIENCY			
Cooling		Heating	
SEER2	15.0	HSPF2-5	6.9
EER2	9.5	COP	3.20

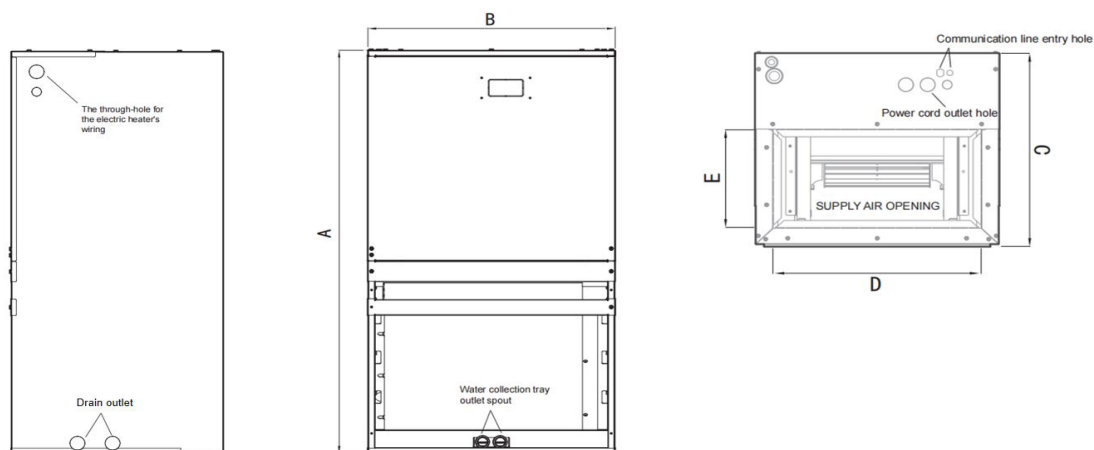
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	23000
Min/Max Capacity	6800~25000
Moisture Removal(L/h)	1.93
Standard Operating Range(*F/*C)	5~131(-15~55)
Rated Cooling Conditions:	
Indoor: 80°F DB/67°F WB	
Outdoor: 95°F DB/75°F WB	

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	26000
2. @ 47°F Min/Max Capacity	9000~28000
3. @ 17°F Rated	13000
4. @ 5°F Rated: Capacity / COP	18500/1.75
5. @ 5°F Max: Capacity	19000
Standard Operating Range(*F/*C)	-4~75(-20~24)
1. Rated Heating Conditions:	
Indoor: 70°F DB/60°F WB	
Outdoor: 47°F DB/43°F WB	
2. Rated Heating Conditions:	
Indoor: 70°F DB/60°F WB	
Outdoor: 17°F DB/15°F WB	
3. Heating Conditions, Compressor	
Indoor: 70°F DB/60°F WB	
Operating at Max. Frequency	
Outdoor: 5°F DB/5°F WB	

ELECTRICAL			
Indoor Power Supply			208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)			1.5
Indoor MOP			3
Outdoor Power Supply			208/230V,60Hz,1Ph
Outdoor MCA			20
Outdoor MOP			25
Communication Wiring			AWG 25×3 Shielded
Compressor RLA			8.4
Outdoor Fan Motor RLA			2.3
Outdoor Fan Motor W			200
Indoor Fan Motor RLA			1.19
Indoor Fan Motor W			100
System Power Input @ Cooling (W)			2421.05263157895(750~2700)
System Power Input @ Heating (W)			2250(660~2600)
MCA: Min. circuit amps (A)			MOCP: Max. over current protection (A)
RLA: Rated load amps (A)			W: Fan motor rated output (W)

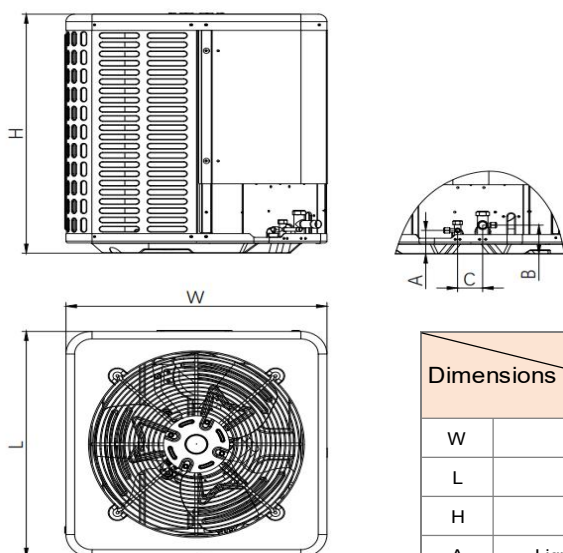
PIPING			
Throttle type(Indoor)			Piston
Throttle type(Outdoor)			Capillary
Liquid Size			9.52mm(3/8in)
Gas Size			19mm(3/4in)
Max. Piping Length(ft/m)			164(50)
Max. Height Difference(ft/m)			82(25)
Max. Pre-charged Length(ft/m)			24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)			75.84(2.15)
Additional Charge of Refrigerant((oz/ft)/(g/m))			0.52(48)
Connection Method			Flared

Indoor Unit Dimension



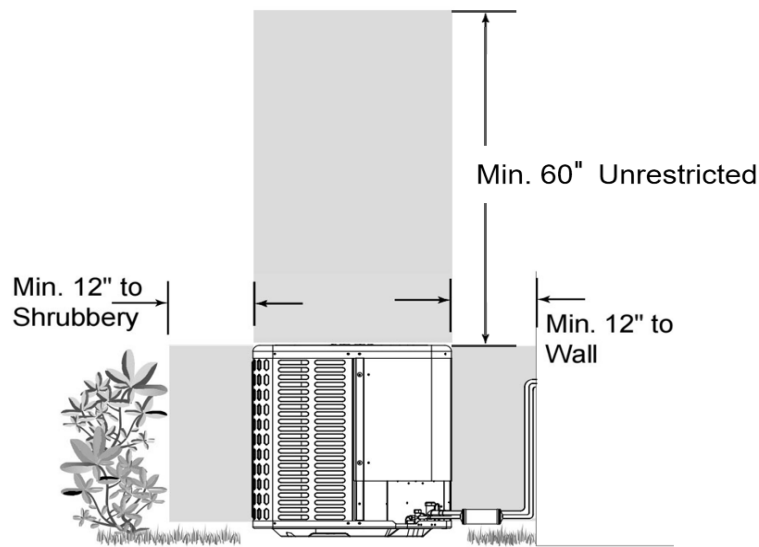
Dimensions		Model	18/24K		24/36K	
			inch	mm	inch	mm
A	Model Height		36-1/32	915	39-9/16	1005
B	Model width		20-15/32	520	22-3/64	560
C	Supply Air Opening width		14-61/64	380	19-3/32	485
D	Return Air Opening Width		17-33/64	445	18-57/64	480
E	Model Depth		9-29/64	240	9-27/32	250

Outdoor Unit Dimension

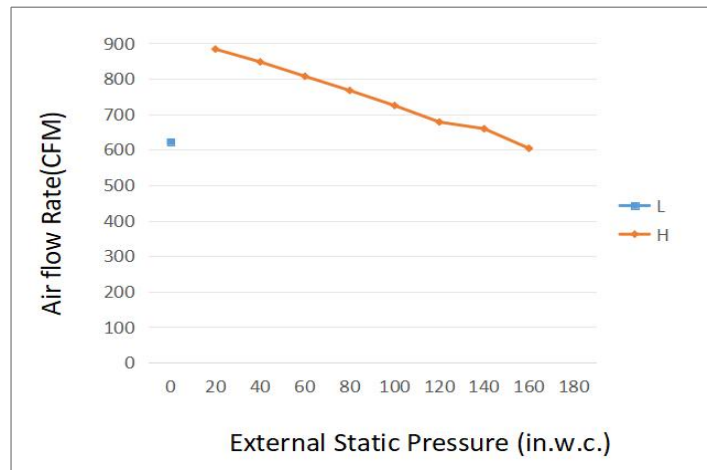


Dimensions		Model	18K/24K		30K/36K	
			inch	mm	inch	mm
W	Model width		23-5/8	600	29-9/64	740
L	Model length		23-5/8	600	29-9/64	740
H	Model height		25	635	25	635
A	Liquid side valve height		2-31/64	63	2-31/64	63
B	Distance between two valves		3-1/32	77	3-1/32	77
C	Gas side valve height		2-9/32	58	2-9/32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

Installation Instruction For Outdoor Unit



Fan Performance For Indoor Unit



Features

- Front air intake, easy installation
- External static pressure up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Multiple control options available:
 - Wired controller with built-in WiFi
 - Third-Party 24V Thermostat
- Adaptive Control System
- Crankcase heater equipped as standard