

Model Number: BAR17-36-15(40K) / CWM17-36-15(409)

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)	1350/900
Indoor Noise Level (High/Low) (dBA)	53/46
Dimension (W×D×H)	inch 22-3/64×19-3/32×39-9/16 mm 560×485×1005
Package (W×D×H)	inch 24-21/64×21-9/64×42-53/64 mm 620×538×1085
Net/Gross Weight	lbs 108/121 kg 48.9 / 54.9

OUTDOOR SPECIFICATION	
Compressor Type	ROTARY
Compressor Model	KSG280N1VMT
Refrigerant	R32
Refrigerant Oil Charge(mL)	740
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	2650.0
Outdoor Noise Level (dBA)	59
Dimension (W×D×H)	inch 145/154 mm 65.9/70
Package (W×D×H)	inch 30-5/16×30-5/16×26-3/16 mm 770×770×665
Net/Gross Weight	lbs 145/154 kg 65.9/70

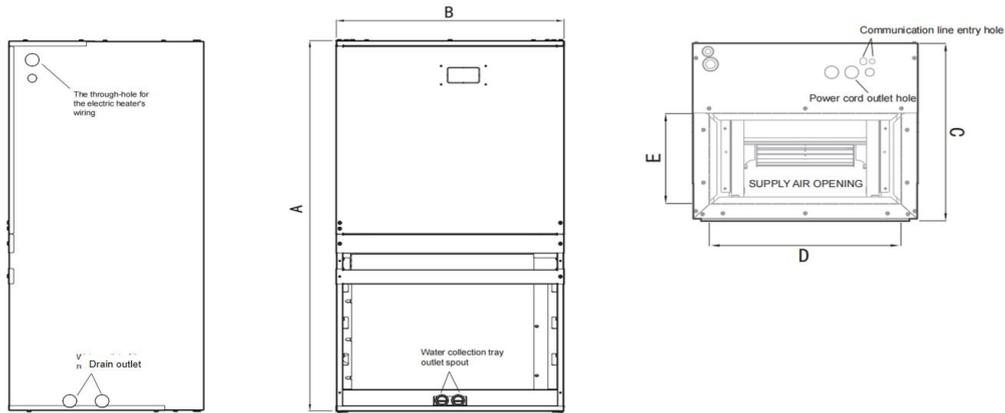
EFFICIENCY			
Cooling			
SEER2	14.3		
EER2	11.7		

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	35000
Standard Operating Range(°F)	23~125
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

ELECTRICAL	
Indoor Power Supply	208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	5
Indoor MOP	6
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	24
Outdoor MOP	30
Communication Wiring	AWG 10*3 Shielded
Compressor RLA	11.65
Outdoor Fan Motor RLA	2.3
Outdoor Fan Motor W	200
Indoor Fan Motor RLA	3.6
Indoor Fan Motor W	368
System Power Input @ Cooling (W)	2503
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

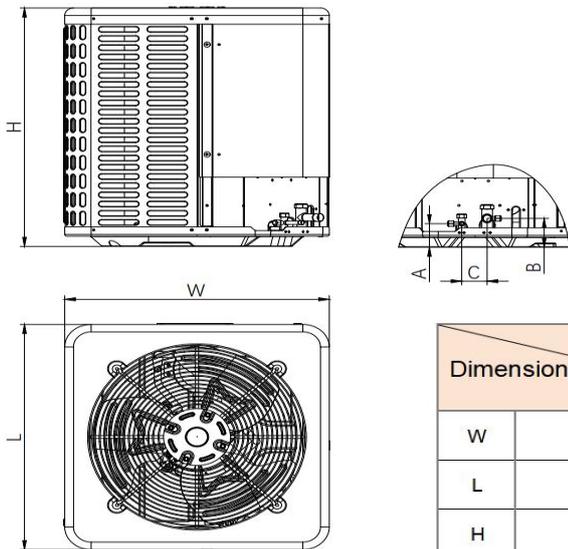
PIPING	
Throttle type(Indoor)	Piston
Throttle type(Outdoor)	Capillary
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	131(40)
Max. Height Difference(ft/m)	82(82)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	79(2.25)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.52(48)
Connection Method	Flared

Indoor Unit Dimension



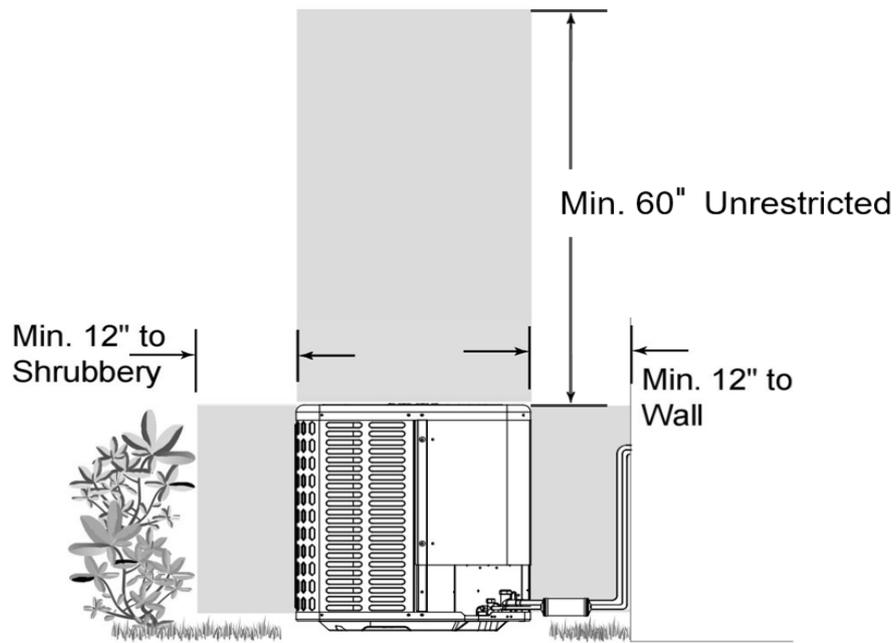
Dimensions		Model	18/24K		30/36K	
			inch	mm	inch	mm
A	Model Height		36-1/32	915	39-9/16	1005
B	Model width		20-25/32	520	22-3/64	560
C	Supply Air Opening width		14-61/64	380	19-3/32	485
D	Return Air Opening Width		17-33/64	445	18-57/64	480
E	Model Depth		9-29/64	240	9-27/32	250

Outdoor Unit Dimension

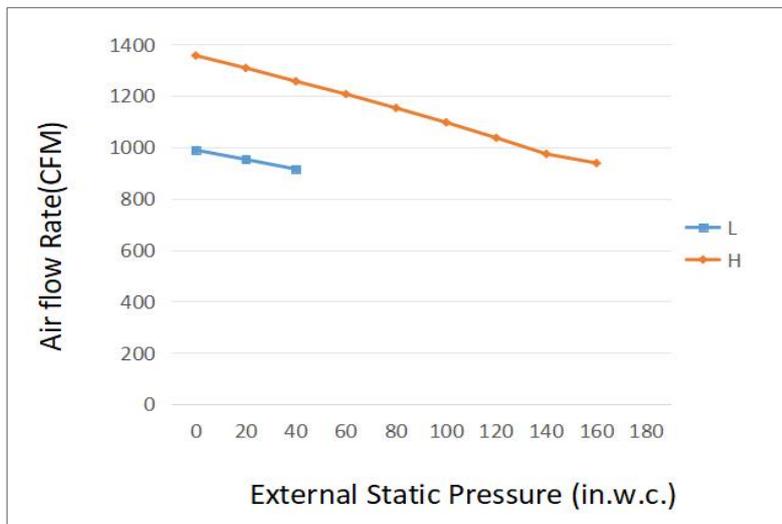


Dimensions		Model	18K/24K		30K/36K	
			inch	mm	inch	mm
W	Model width		23-5/8	600	29-9/64	740
L	Model length		23-5/8	600	29-9/64	740
H	Model height		25	635	25	635
A	Liquid side valve height		2-31/64	63	2-31/64	63
B	Distance between two valves		3-1/32	77	3-1/32	77
C	Gas side valve height		2-9/32	58	2-9/32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

Installation Instruction For Outdoor Unit



Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- ECM fan motor with constant torque technology
- 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