

Model Number: BAR10-48-15(40L) / LUC17-48-15(40E)

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)			1450/1100
Indoor Noise Level (High/Low) (dBA)			53/46
Dimension (W×D×H)	inch		24-31/64×21-1/32×52-63/64
	mm		622×534×1346
Package (W×D×H)	inch		27-7/8×26-37/64×54-9/64
	mm		708×675×1375
Net/Gross Weight	lbs		154.3/170.6
	kg		70.0/77.4

OUTDOOR SPECIFICATION			
Compressor Type			Scroll
Compressor Model			SKDC041N1ULB
Refrigerant			R32
Refrigerant Oil Charge(mL)			1240
Refrigerant Oil			VG46
Outdoor Air Flow (Max) (CFM)			2950.0
Outdoor Noise Level (dBA)			60
Dimension (W×D×H)	inch		29-9/64×29-9/64×32-7/8
	mm		740×740×835
Package (W×D×H)	inch		30-5/16×30-5/16×34-1/16
	mm		770×770×865
Net/Gross Weight	lbs		176/187
	kg		80/85

EFFICIENCY			
Cooling			
SEER2	15.2		
EER2	12.2		

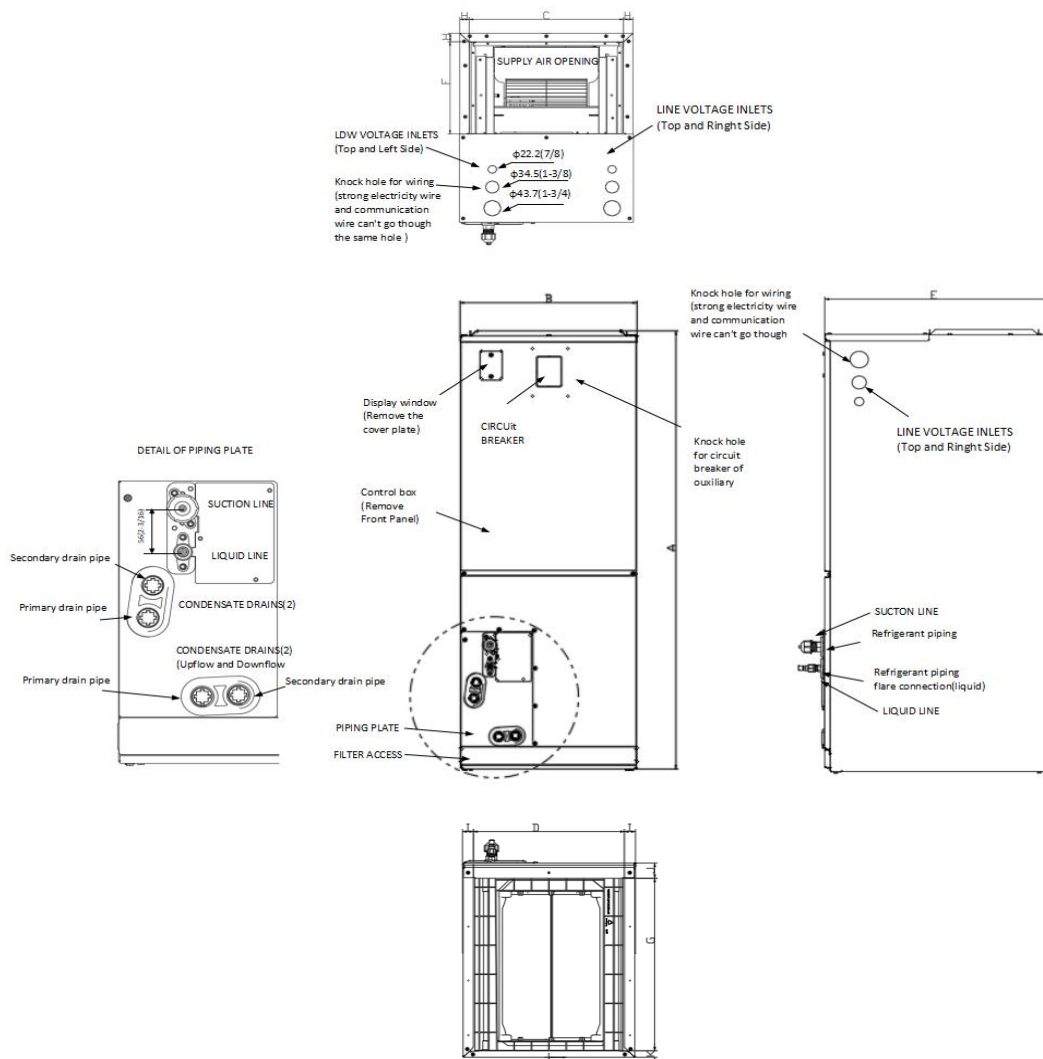
PERFORMANCE of Cooling			
Cooling (Btu/hr)			
Rated Capacity			46000
Standard Operating Range(°F)			23~125
Rated Cooling Conditions:		Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	

ELECTRICAL			
Indoor Power Supply			208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)			7
Indoor MOP			10
Outdoor Power Supply			208/230V,60Hz,1Ph
Outdoor MCA			27
Outdoor MOP			40
Communication Wiring			AWG 8*3 Shielded
Compressor RLA			10.9
Outdoor Fan Motor RLA			2.3
Outdoor Fan Motor W			200
Indoor Fan Motor RLA			3.48
Indoor Fan Motor W			560
System Power Input @ Cooling (W)			3770
MCA: Min. circuit amps (A)		MOCP: Max. over current protection (A)	
RLA: Rated load amps (A)		W: Fan motor rated output (W)	

PIPING

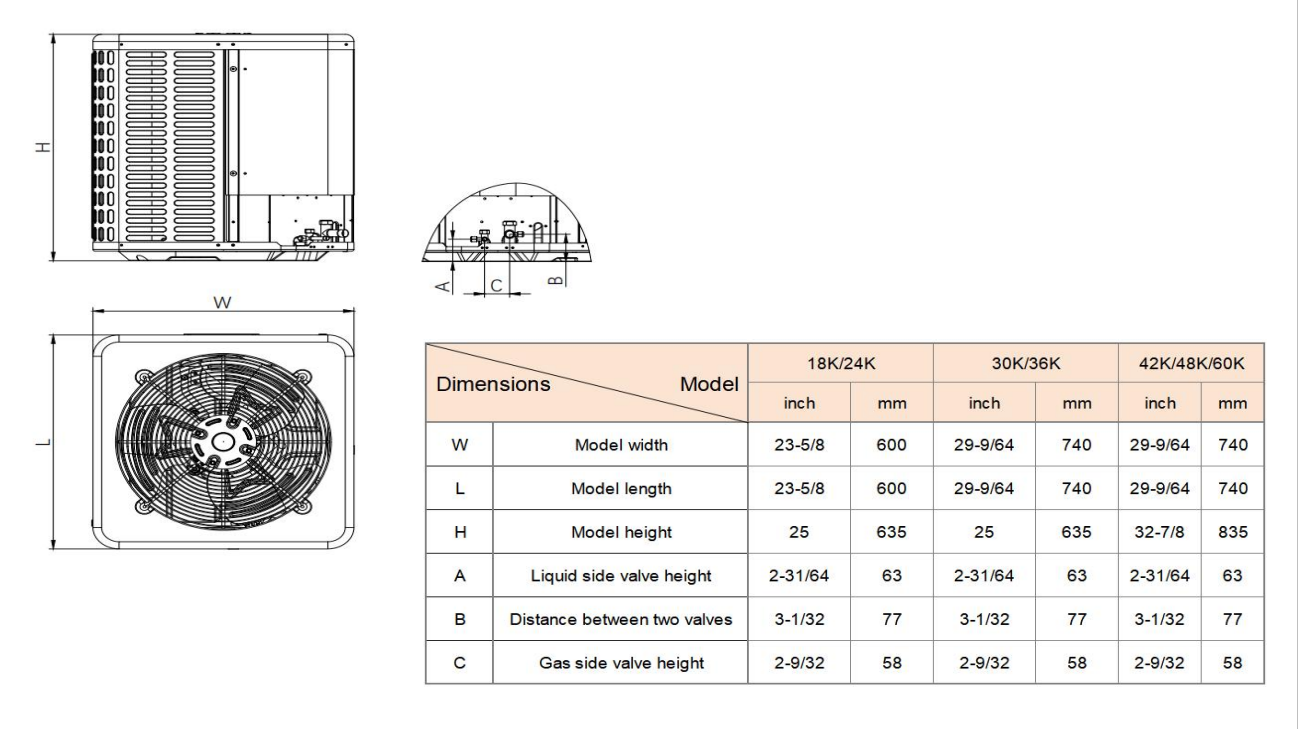
Throttle type(Indoor)			
Throttle type(Outdoor)			Capillary
Liquid Size			9.52mm(3/8in)
Gas Size			19mm(3/4in)
Max. Piping Length(ft/m)			213(65)
Max. Height Difference(ft/m)			98.4(30)
Max. Pre-charged Length(ft/m)			24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)			92(2.6)
Additional Charge of Refrigerant((oz/ft)/(g/m))			0.52(48)
Connection Method			Flared

Indoor Unit Dimension

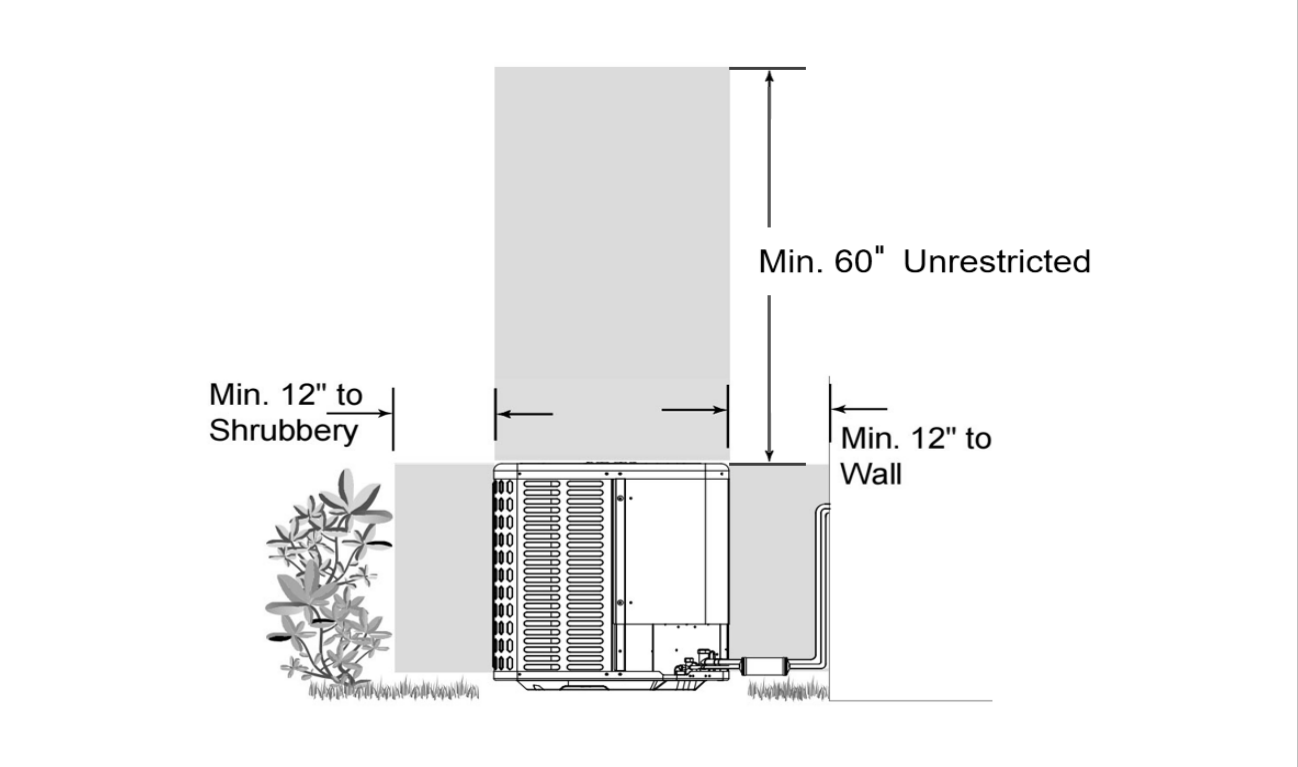


Dimensions		Model	18K/24K	30K/36K	42K/48K/60K
			inch	inch	inch
A	Model Height		45	49-7/32	52-63/64
B	Model Width		17-33/64	21-1/32	24-31/64
C	Supply air opening width		15-5/8	19-9/64	22-19/32
D	Return air opening width		15-25/64	18-47/64	22-23/64
E	Model Depth		21-1/32	21-1/32	21-1/32
F	Supply air opening Depth		10-9/32	10-9/32	10-9/32
G	Return air opening Depth		18-23/32	18-23/32	18-23/32
H	Supply air opening Clearance		15/16	15/16	15/16
I	Return air opening side Clearance		1-1/8	1-1/8	1-1/8
J	Return air opening front Clearance		1-21/32	1-21/32	1-21/32
K	Return air opening back Clearance		45/64	45/64	45/64

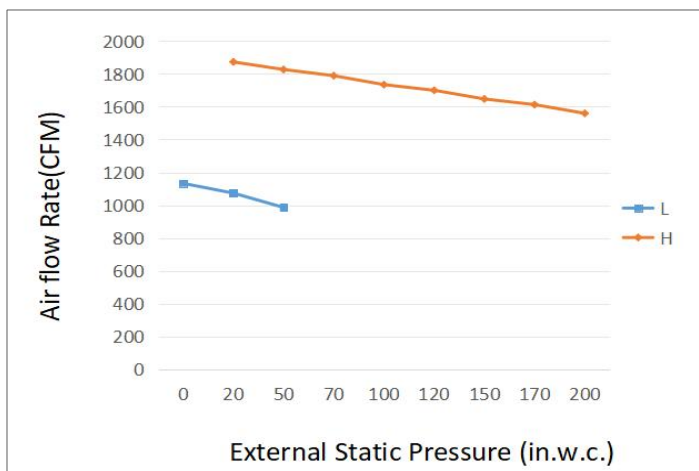
Outdoor Unit Dimension



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

Auxilliary Heater Electrical Date

MODEL	kW 208/230	HEATER KIT FLA(A)	MIN CKT AMPS(A)	RATING OF OVERCURRENT PROTECTIVE DEVICE OR HACR BREAKER(A)
EHK-05E	3.8/5	18.2/20.8	23/26	25/30
EHK-08E	5.6/7.5	27.9/31.9	35/40	35/40
EHK-10E	7.5/10	36.3/41.7	46/53	50/60
EHK-15E	5.6+5.6/7.5+7.5	27.9+27.9/31.9+31.9	35+35/40+40	35+35/40+40
EHK-20E	7.5+7.5/10+10	36.3+36.3/41.7+41.7	46+46/53+53	50+50/60+60