

SUBMITTAL DATA SHEET

breeze33

Series Name: J Series
Model Number: BZ33-INV48OUT2-454-G3-J / BZ33-INV4HU48-454-G3-J

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)	1601.0 / 1471.5 / 1283.1 / 1094.8 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/52/50/34/N/A
Dimension(WxDxH)	inch 21 x 24-1/2 x 53 mm 534 x 622 x 1346
Package(WxDxH)	inch 27-15/16 x 26-3/4 x 56-1/2 mm 710 x 680 x 1435
Net/Gross Weight	lbs 162.92/190.92 kg 73.9/86.6

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	MTH550UKPC8FU
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1800
Refrigerant Oil	HAF68D1C
Outdoor Air Flow (Max) (CFM)	3037.080636
Outdoor Noise Level (dBA)	65
Dimension(WxDxH)	inch 38-9/16 x 16-5/16 x 38-3/8 mm 980 x 415 x 975
Package(WxDxH)	inch 45-1/16 x 19-11/16 x 42-1/2 mm 1145 x 500 x 1080
Net/Gross Weight	lbs 201.06/232.36 kg 91.2/105.4

EFFICIENCY

Cooling	Heating
SEER2	HSPF2-4
EER2	COP
16.5	9.5
10.5	3.4

PERFORMANCE of Cooling

Cooling (Btu/hr)
Rated Capacity
Min/Max Capacity
Moisture Removal(L/h)
Standard Operating Range(°F/°C)
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
2. @ 47°F Min/Max Capacity
3. @ 17°F Rated
4. @ 5°F Rated: Capacity / COP
5. @ 5°F Max: Capacity
Standard Operating Range(°F/°C)
1. Rated Heating Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB
Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
2. Rated Heating Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor
Operating at Max. Frequency
Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB

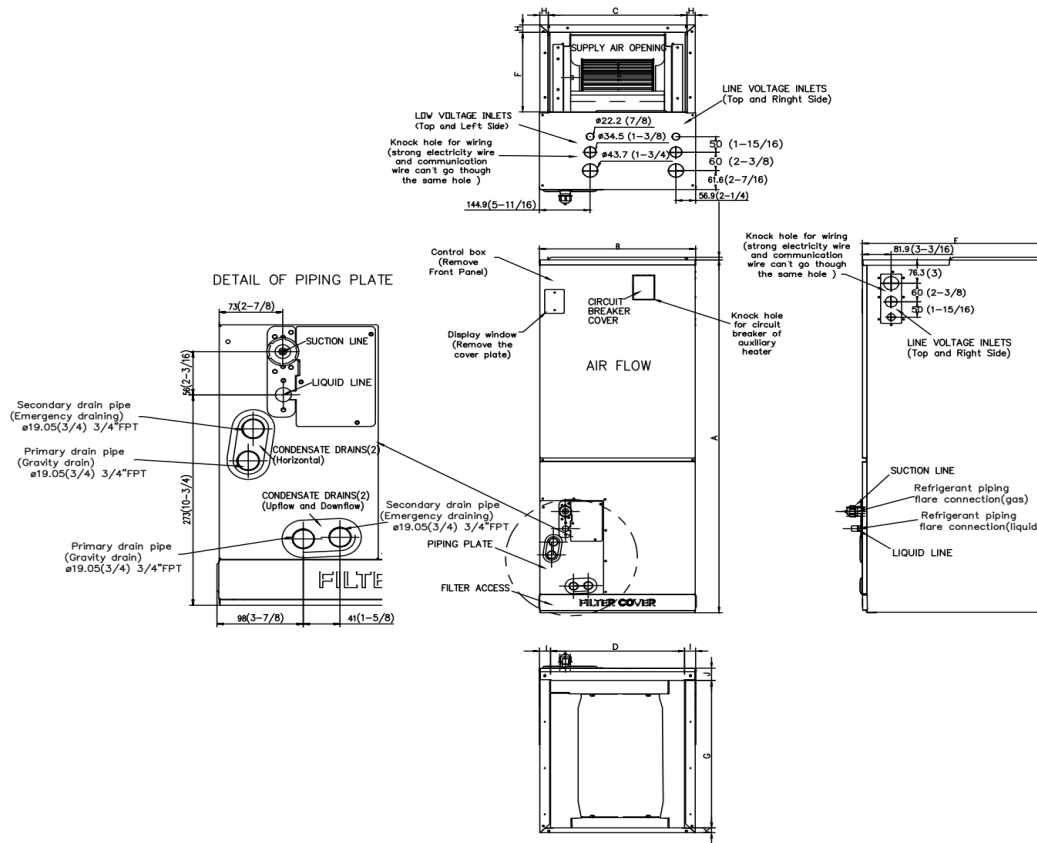
ELECTRICAL

Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	14.5/11.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	38
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	28
Outdoor Fan Motor RLA	2
Outdoor Fan Motor W	250
Indoor Fan Motor RLA	7.8
Indoor Fan Motor W	750
System Power Input @ Cooling (W)	4690(1345 ~ 5180)
System Power Input @ Heating (W)	4750(1045 ~ 5200)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

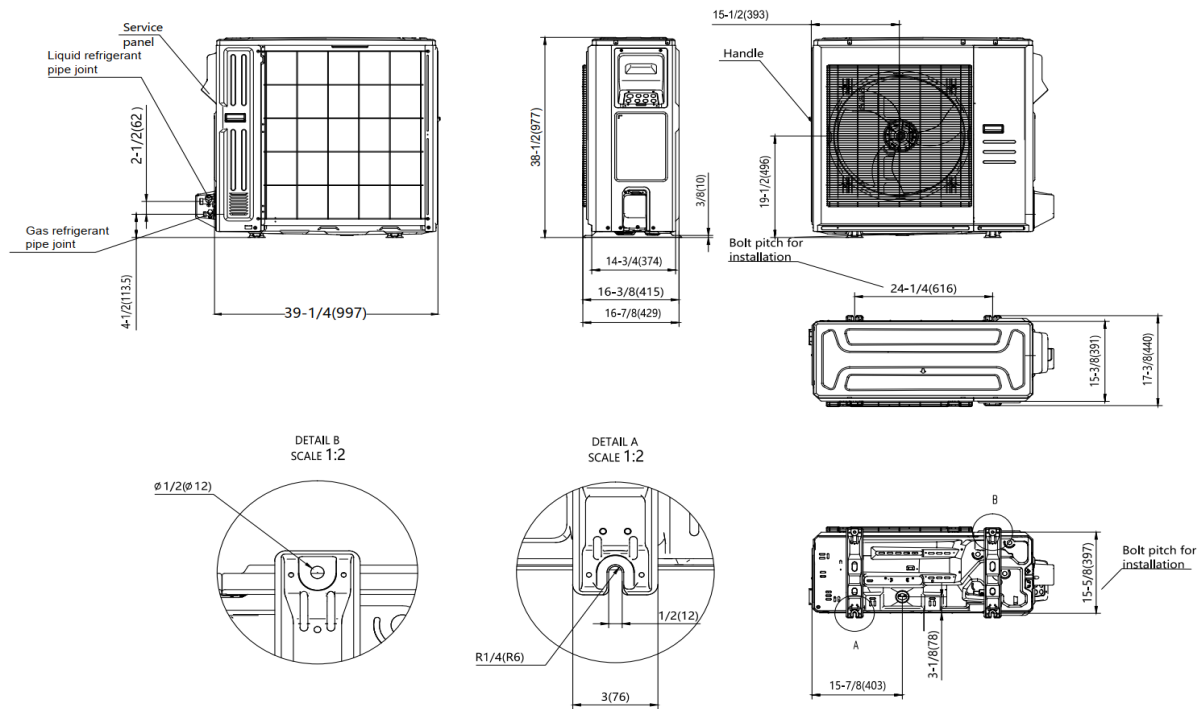
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98.4(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	134.04(3.8)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

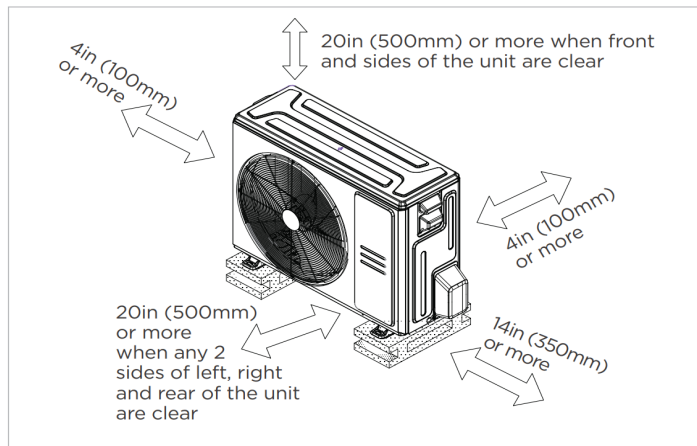


Dimensions		Model		18k/24k		30k/36k		48k/60k	
				inch	mm	inch	mm	inch	mm
A	Model Height			45	1143	49	1245	53	1346
B	Model Width			17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width			15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width			15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth			21	534	21	534	21	534
F	Supply Air Opening Depth			10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth			18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance			15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance			1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance			1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance			5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

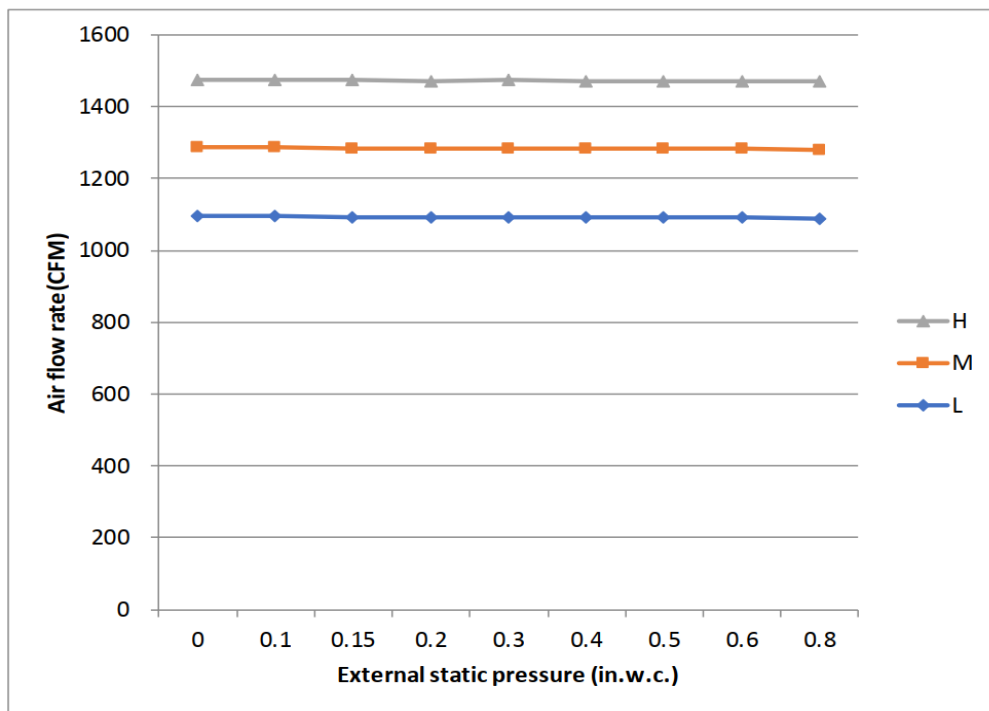


Installation Instruction For Outdoor Unit



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system 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 25kW
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Wireless remote controller
 - Third-Party 24V Thermostat
- Adaptive Control System
- High efficiency up to 19 SEER2, 12.5 EER2, 10.3 HSPF2
- 100% heat output at -4F*
- Chassis heater and crankcase heater equipped as standard

* For 36K model, rated cooling capacity/heating capacity at -4F=100%