

SUBMITTAL DATA SHEET

breeze33

Series Name: J Series

Model Number: BZ33-MS36B-454-G3-J/BZ33-INV300UT2-454-G3-J

Air Handler Heat Pump System

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



INDOOR SPECIFICATION

Dimension(W×D×H)	inch	17-1/2 x 21 x 23-1/2
	mm	445 × 533 × 599
Package(W×D×H)	inch	20-1/2 x 26-1/8 x 26-3/8
	mm	520 × 665 × 670
Net/Gross Weight	lbs	59.5 / 68
	kg	27 / 30.9

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		MTH356UKRC8FQL
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1300
Refrigerant Oil		HAF68D1A
Outdoor Air Flow (Max) (CFM)		3,002
Outdoor Noise Level (dBA)		64
Dimension(W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package(W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	164 / 175
	kg	74.4 / 79.2

EFFICIENCY

Cooling		Heating	
SEER2	16	HSPF2-4	10
EER2	10	COP	3.37

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	29000
Min/Max Capacity	13,900~37,900
Moisture Removal(L/h)	3.7
Standard Operating Range(°F/°C)	-22~122(-30~50)
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	32000
1. @ 47°F Min/Max Capacity	13,00~40,000
2. @ 17°F Rated	25000
3. @ 5°F Rated: Capacity / COP	33000/1.9
3. @ 5°F Max: Capacity	33000
Standard Operating Range(°F/°C)	-22~75(-30~24)
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	

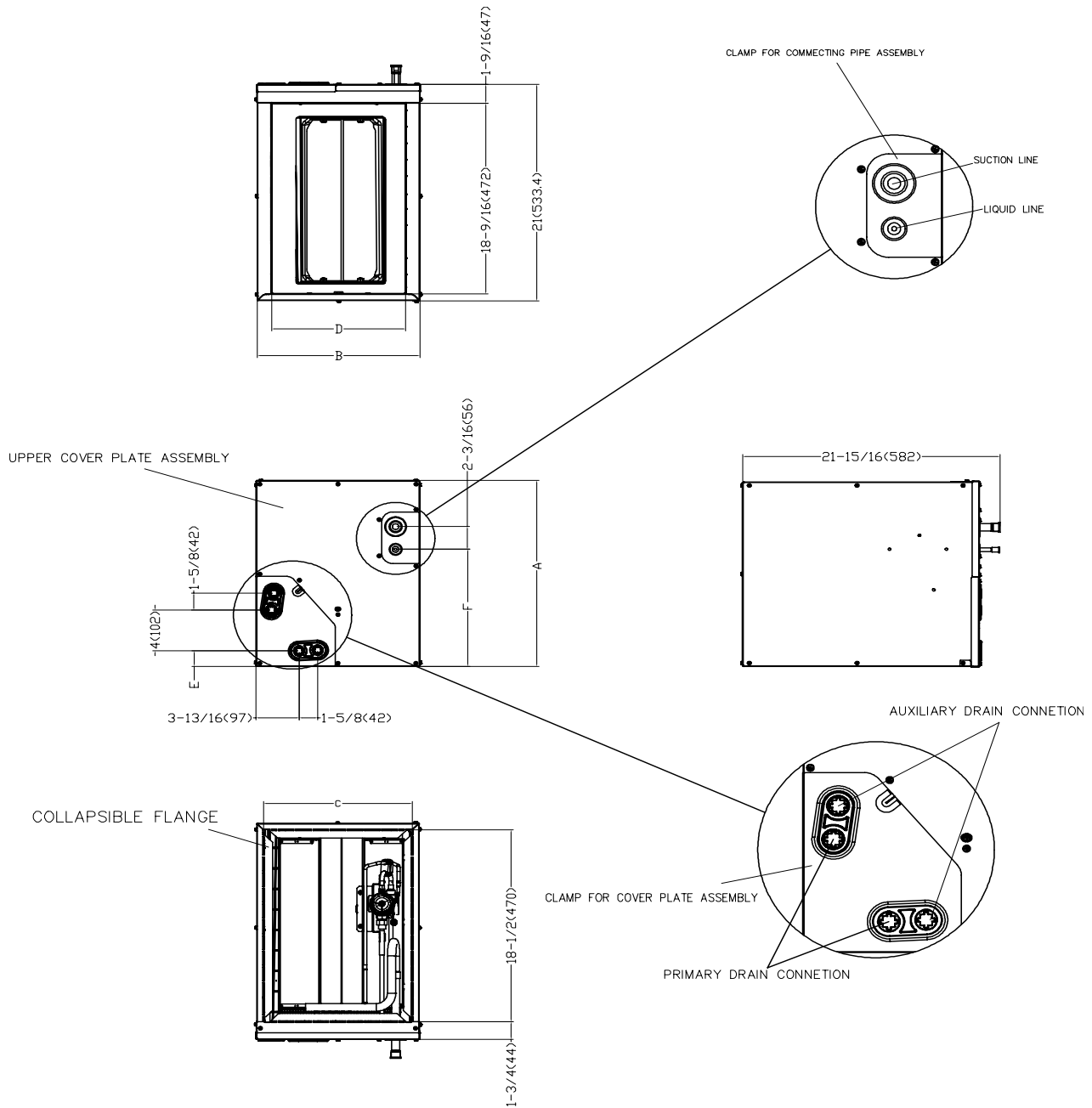
ELECTRICAL

Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	29.5
Outdoor MOP	30
Communication Wiring	AWG 20-2
Compressor RLA	22.4
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2900(1,160 ~ 3,740)
System Power Input @ Heating (W)	2780(1,088 ~ 3,482)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

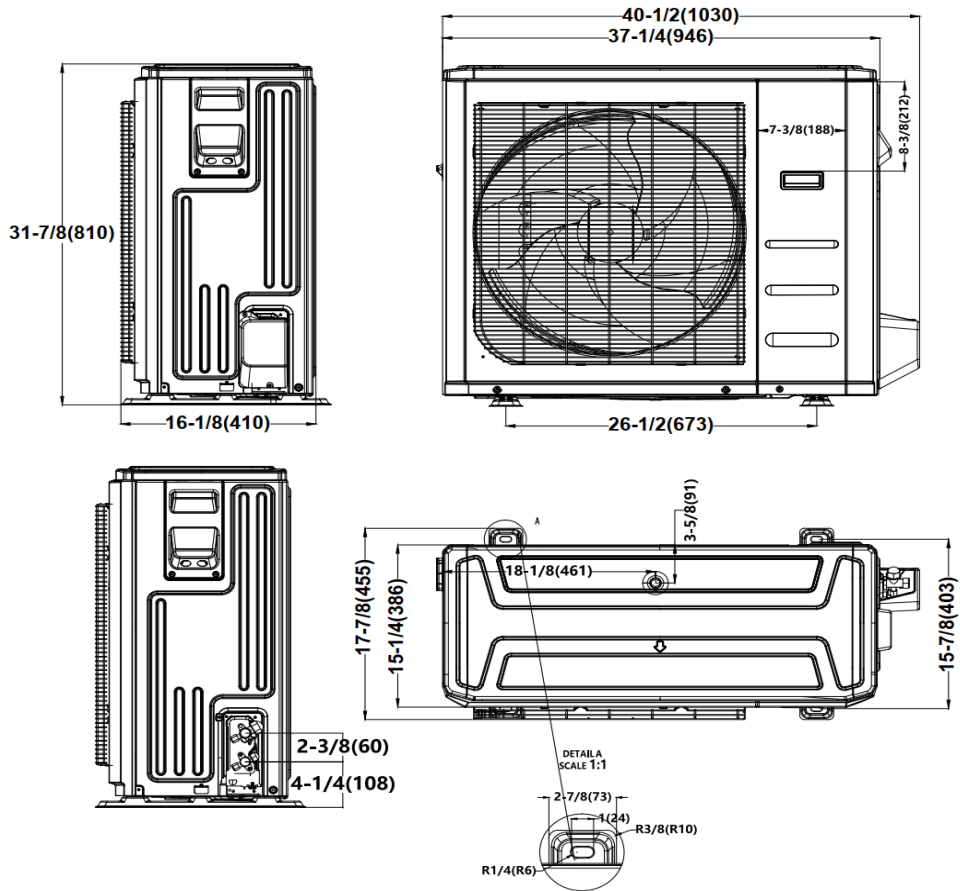
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	164(50)
Max. Height Difference(ft/m)	82(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	105.82(3)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

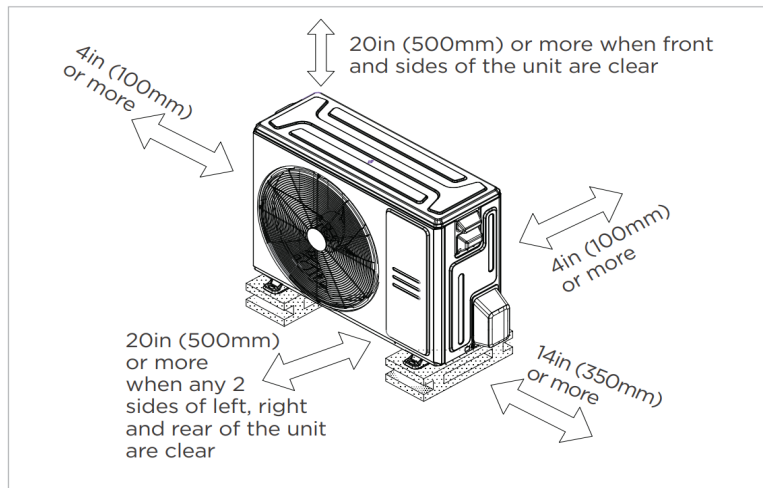


Dimensions	BZ33-MSC24B-454-G3-J	BZ33-MSC24A-454-G3-J	BZ33-MSC36B-454-G3-J	BZ33-MSC36C-454-G3-J	BZ33-MSC60D-454-G3-J
Model Height (A)	18"	18"	23-9/16"	24"	28"
Model Width (B)	17-1/2"	14-1/2"	17-1/2"	21"	24-1/2"
Supply Air Opening Width (C)	16-3/16"	13-1/4"	16-3/16"	19-3/4"	23-1/4"
Return Air Opening Width (D)	14-15/16"	11-15/16"	14-15/16"	19-1/2"	23-1/8"
Condensate Drains Height (E)	1-7/16"	1-7/16"	1-7/16"	2-3/16"	2-3/16"
Liquid Line Height (F)	11-3/8"	11-3/8"	16-3/8"	17-1/2"	21-7/16"

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit



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

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Third-Party 24V Thermostat