

SUBMITTAL DATA SHEET

breeze33

Series Name: J Series

Model Number: BZ33-MS24A-454-G3-J/BZ33-INV24OUT2-454-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	14-1/2 x 21 x 18
	mm	368 x 533 x 457
Package(W×D×H)	inch	17-1/2 x 25-3/8 x 20-5/8
	mm	445 x 645 x 525
Net/Gross Weight	lbs	42 / 50
	kg	19 / 22.5

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,766
Outdoor Noise Level (dBA)		60
Dimension(W×D×H)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package(W×D×H)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	102 / 109
	kg	46.4 / 49.5

EFFICIENCY

Cooling		Heating	
SEER2	16	HSPF2-4	9.5
EER2	10	COP	3.2

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24,000
Min/Max Capacity	7,900~27,600
Moisture Removal(L/h)	2.89
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	25,000
1. @ 47°F Min/Max Capacity	6,500~30,000
2. @ 17°F Rated	19,700
3. @ 5°F Rated: Capacity / COP	21,000/1.8
3. @ 5°F Max: Capacity	21,000
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	

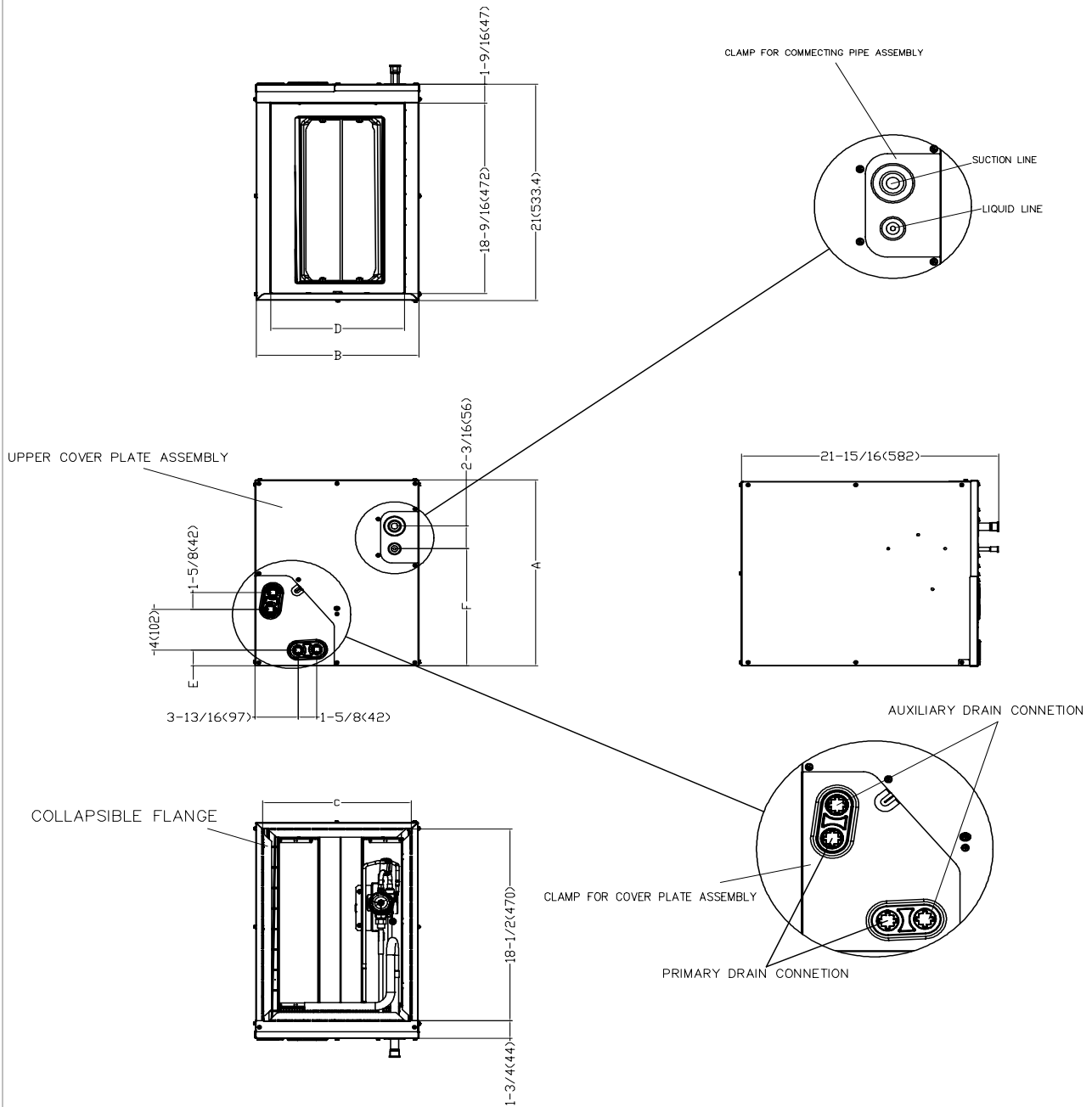
ELECTRICAL

Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	19
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	14
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2,400(680 ~ 2,890)
System Power Input @ Heating (W)	2,290(330 ~ 2,900)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

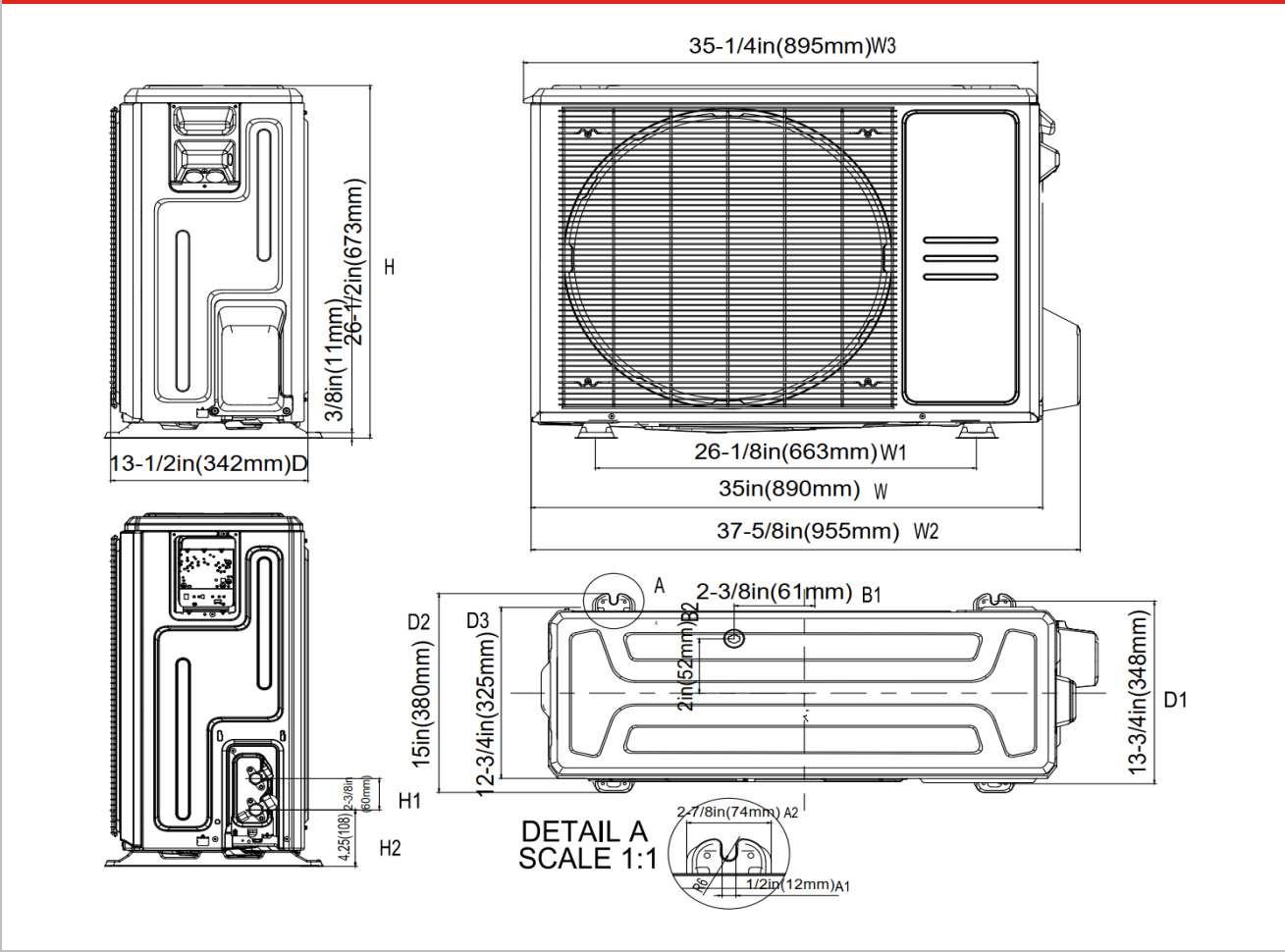
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	164(50)
Max. Height Difference(ft/m)	82(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	74.08(2.1)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

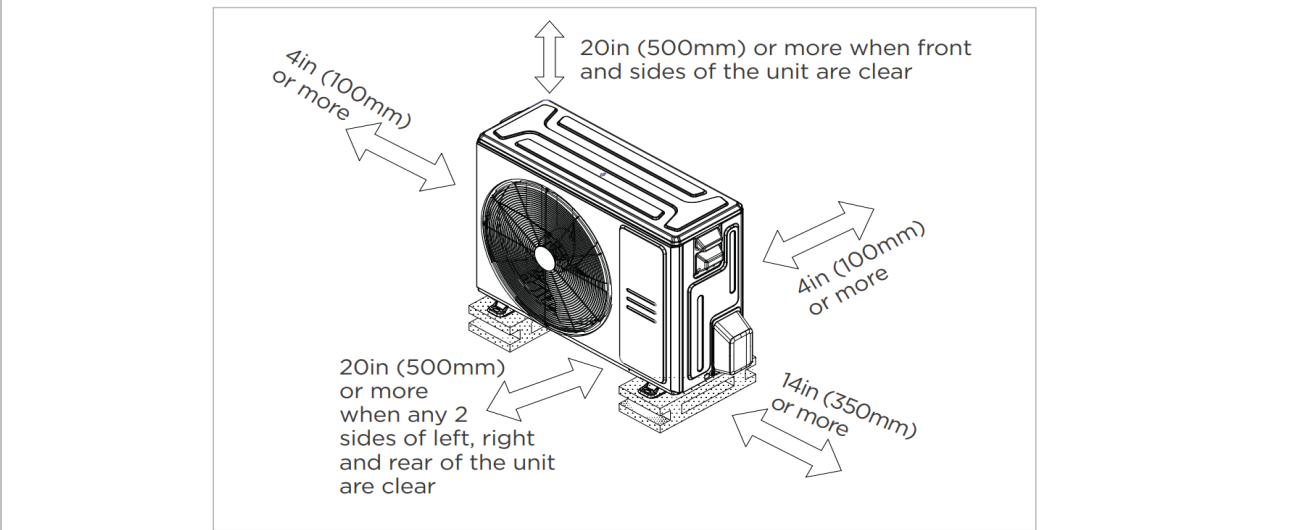


Dimensions	BZ33-MSC24B-454-G3-J	BZ33-MSC24A-454-G3-J	BZ33-MSC36B-454-G3-J	BZ33-MSC36C-454-G3-J	BZ33-MSC60D-454-G3-J
Model Height (A)	18"	18"	23-9/16"	24"	28"
Model Width (B)	17-1/2"	14-1/2"	17-1/2"	21"	24-1/2"
Supply Air Opening Width (C)	16-3/16"	13-1/4"	16-3/16"	19-3/4"	23-1/4"
Return Air Opening Width (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