

SUBMITTAL DATA SHEET



Series Name: Premier Series
Model Number: BZ33-HP486Z2-454-G3-P

Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATIONS

Compressor Type	ROTARY
Compressor Model	KTQ420D1UMU
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1400
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	4502.8
Outdoor Noise Level (dBA)	63
Dimension(WxDxH)	inch 37-1/2 x 16-5/16 x 52-1/2 mm 952 x 415 x 1333
Package(WxDxH)	inch 43-1/8 x 19-1/2 x 58-1/4 mm 1095 x 495 x 1480
Net/Gross Weight	lbs 222.00/254.19 kg 100.7/115.3

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	40
Connection Wiring	AWG 14-4
System MOCP	45
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3740/(800 ~ 6000)
System Power Input @ Heating (W)	3532/(800 ~ 5200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling	Heating
SEER2	HSPF2-4
EER2	COP
20.4	10.6
12	3.9

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	45000
Min/Max Capacity	12000~52000
Moisture Removal(L/h)	2.5
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

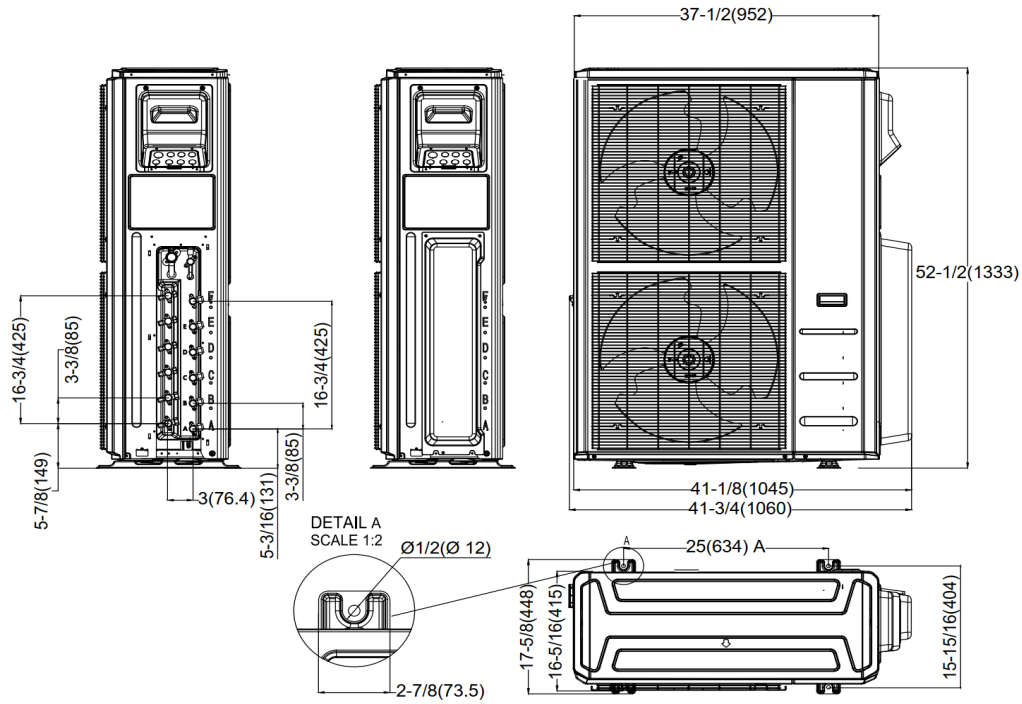
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	47000
1. @ 47°F Min/Max Capacity	13000~53000
2. @ 17°F Rated(H32)	37000
3. @ 5°F Rated: Capacity / COP(H42)	38000/2.1
3. @ 5°F Max: Capacity	38000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING

Liquid Size	6x6.35mm(6x1/4in)
Gas Size	4x9.52mm+2x12.7mm(4x3/8in+2x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	148.15/(4.2)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x6
Additional Charge of Refrigerant (Ø6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Ø9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Outdoor Unit Dimension



Installation Instruction

