

SUBMITTAL DATA SHEET

Air Handler Heat Pump System - BMTA60ENC-BNG1A60ACN

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



INDOOR SPECIFICATION

Dimension (W×D×H)	inch	21.61 x 21.50 x 27.80
	mm	549×546×706
Package (W×D×H)	inch	31.69 x 25.59 x 26.57
	mm	805×650×675
Net/Gross Weight	lbs	96.78/115.08
	kg	43.9/52.2

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KTQ420D1UMU	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	1400	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	4,503	
Outdoor Noise Level (dBA)	63	
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952×415×1,333
Package (W×D×H)	inch	43.11 x 16.34 x 58.27
	mm	1,095×415×1,480
Net/Gross Weight	lbs	212.30/244.49
	kg	96.3/110.9

EFFICIENCY

Cooling		Heating	
SEER2	15.6	HSPF2-4	/
EER2	9.8	COP	/

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	52,000
Min/Max Capacity	20,400~56,000
Moisture Removal(L/h)	8.1
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	/
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)	/(/)

ELECTRICAL

Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	37
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	27.5
Outdoor Fan Motor RLA	2.4
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5,306(1,530 ~ 5,960)
System Power Input @ Heating (W)	/(/)
MCA: Min. circuit amps (A)	MOCOP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

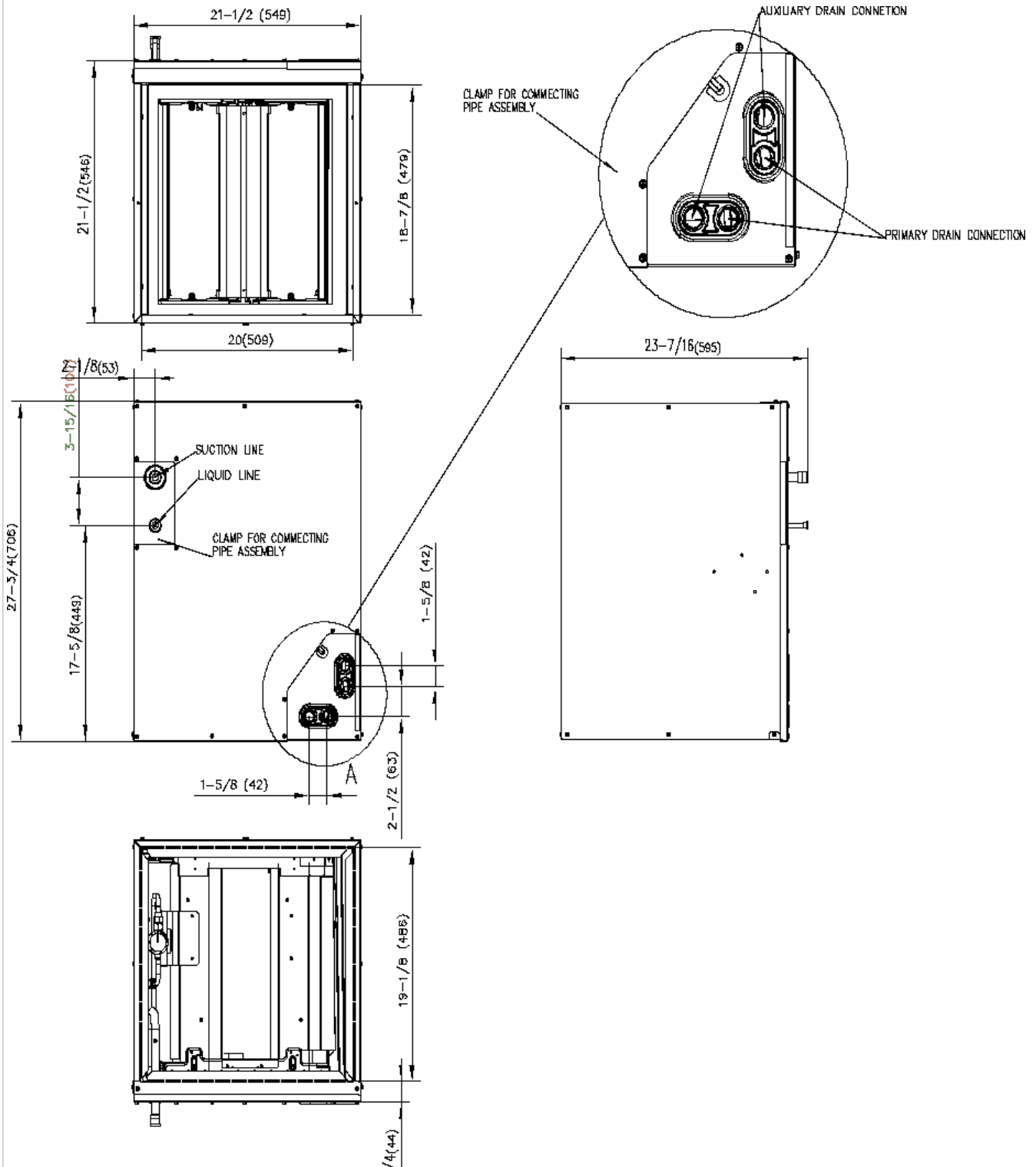
PIPING

Throttle type(Indoor)	TXV
Throttle type(Outdoor)	/
Liquid Size	9.52mm(3/8in)

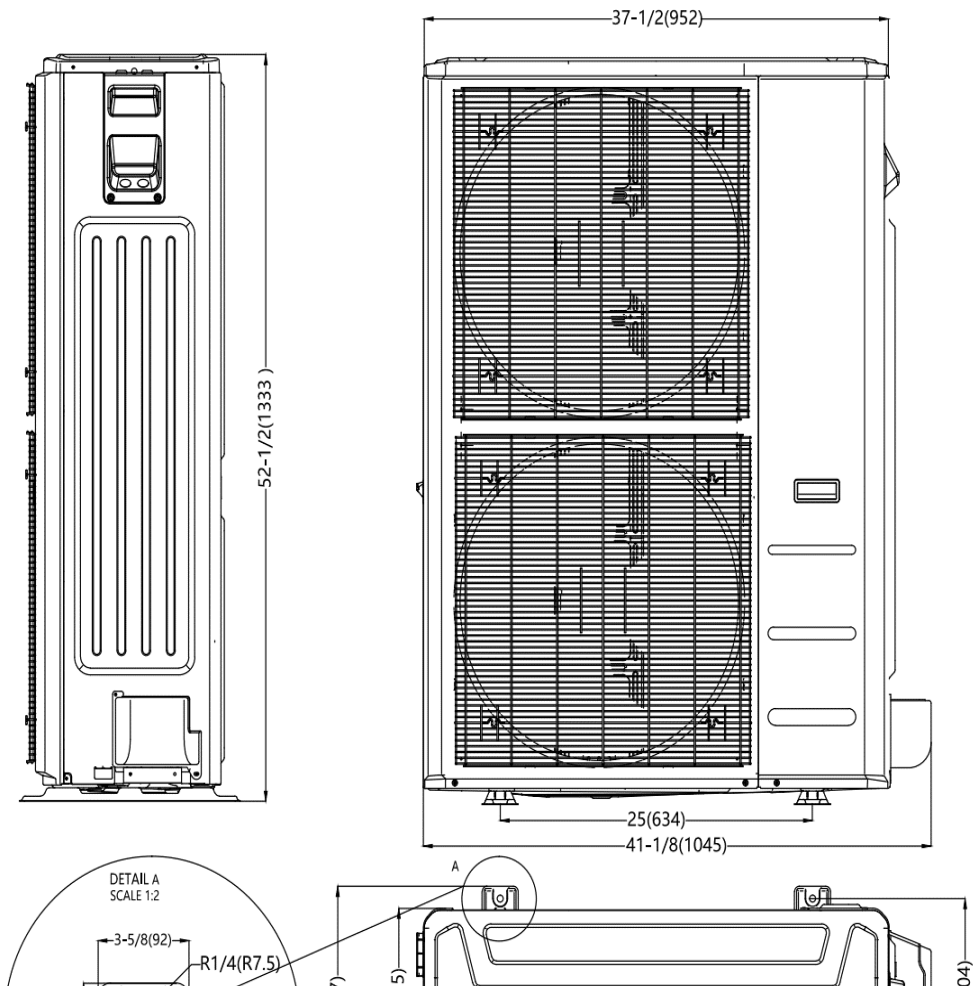
- | | |
|---|---|
| 1. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB |
| 3. Heating Conditions, Compressor Operating at Max. Frequency | Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB |

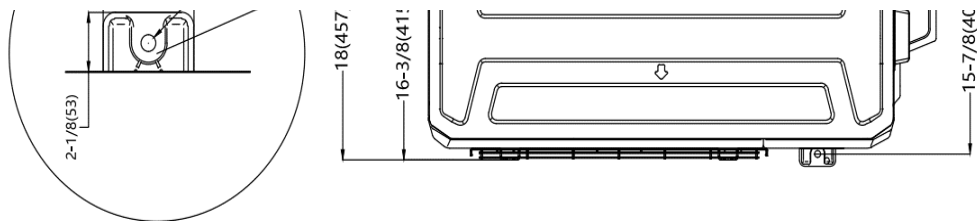
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	169.32(4.80)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

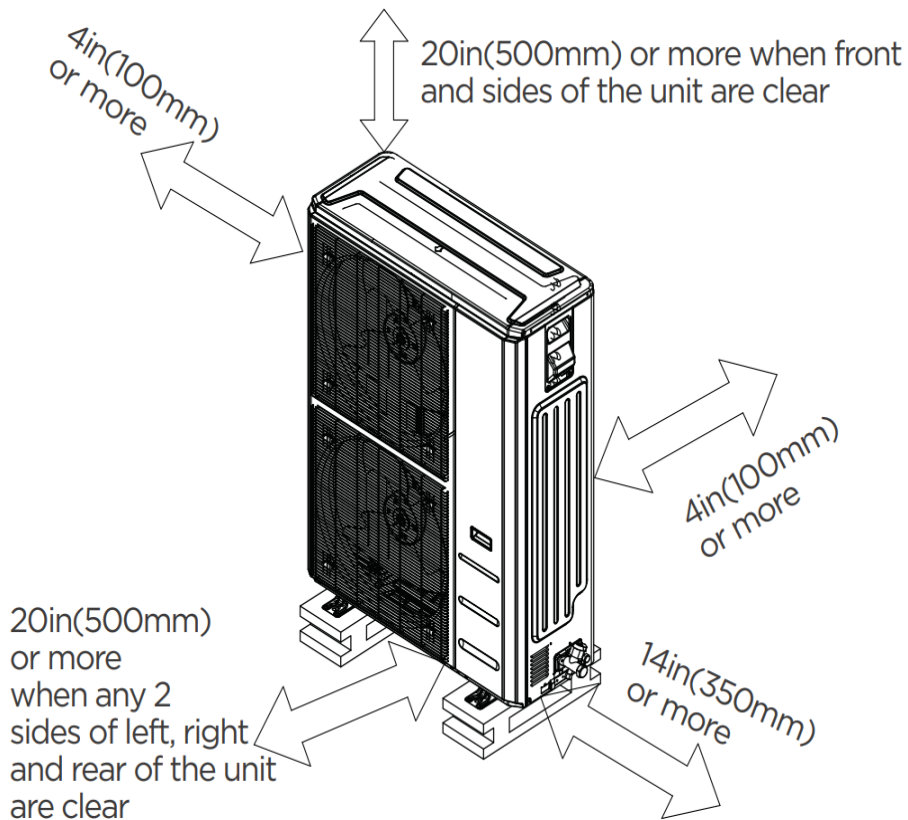


Outdoor Unit Dimension





Installation Instruction For Outdoor Unit



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

