

SUBMITTAL DATA SHEET

Air Handler Heat Pump System - BMTA36ENC-BNG1A30ACN

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



INDOOR SPECIFICATION

Dimension (W×D×H)	inch	21.02 x 21.00 x 24.06
	mm	534×533.4×611
Package (W×D×H)	inch	24.02 x 665 x 26.97
	mm	610×665×685
Net/Gross Weight	lbs	64.37/74.07
	kg	29.2/33.6

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1,825
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890×342×673
Package (W×D×H)	inch	39.17 x 13.46 x 29.13
	mm	995×342×740
Net/Gross Weight	lbs	98.33/105.60
	kg	44.6/47.9

EFFICIENCY

Cooling		Heating	
SEER2	15.2	HSPF2-4	/
EER2	10.2	COP	/

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	29,000
Min/Max Capacity	8,200~31,000
Moisture Removal(L/h)	3.51
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	20
Outdoor MOP	20
Communication Wiring	AWG 20-2
Compressor RLA	15
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2,843(630 ~ 2,930)
System Power Input @ Heating (W)	/(/)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

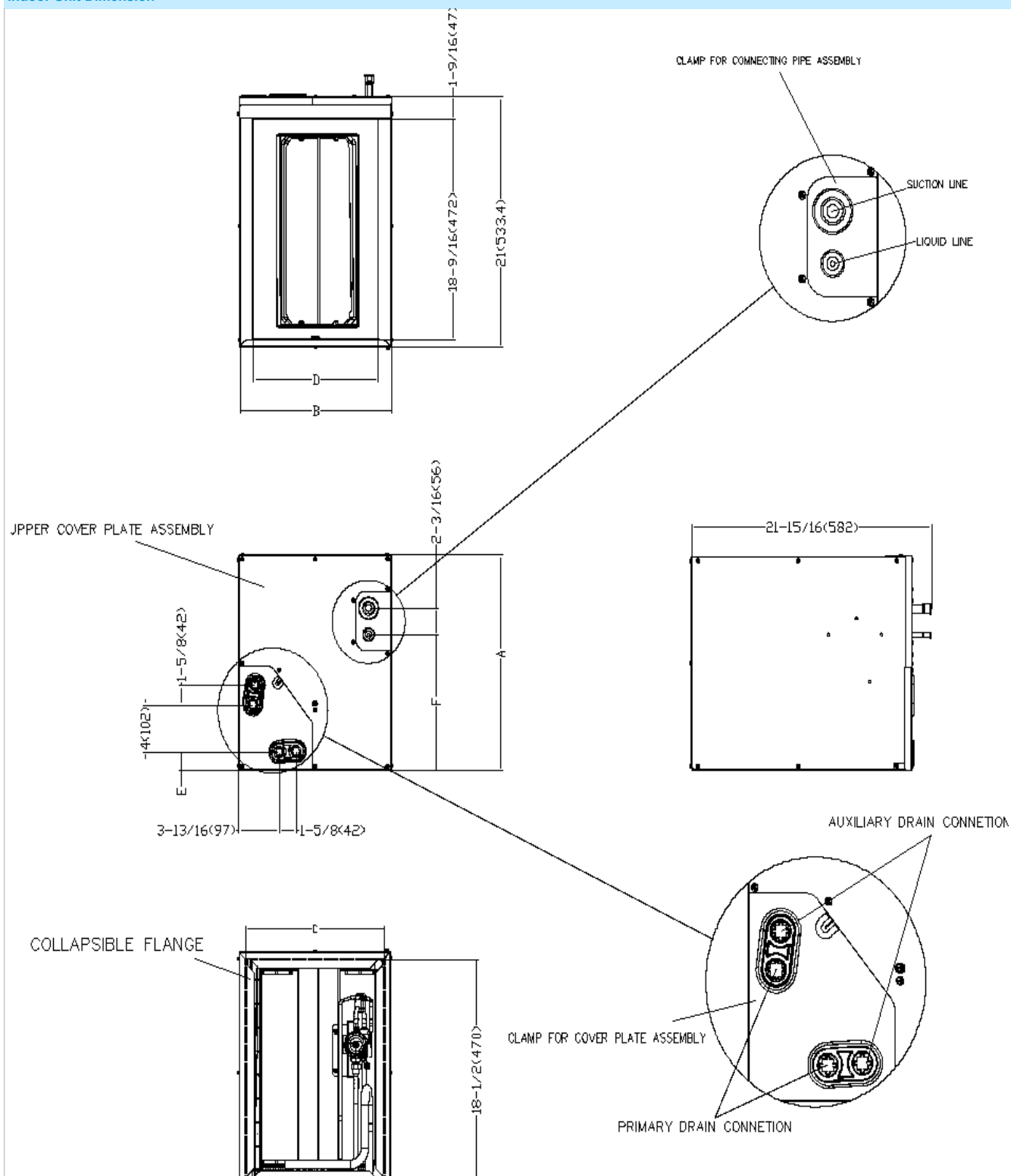
PIPING

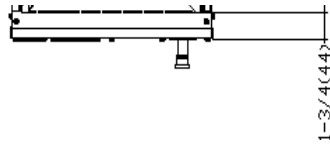
Throttle type(Indoor)	TXV
Throttle type(Outdoor)	/
Liquid Size	9.52mm(3/8in)

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)	164(50)
Max. Height Difference(ft/m)	98(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	81.13(2.30)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.7(65)
Connection Method	Flared

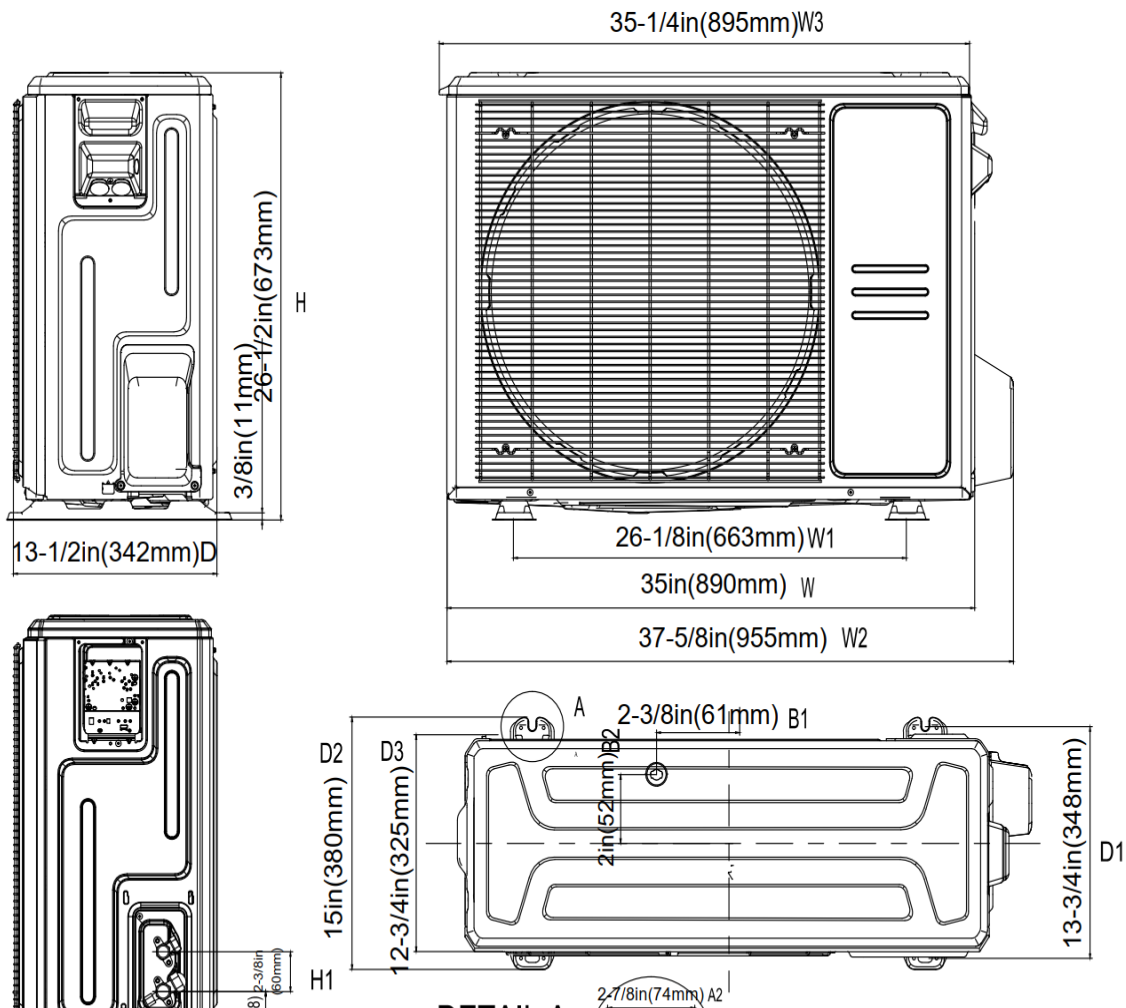
Indoor Unit Dimension

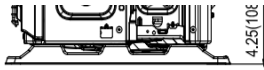




Dimensions \ Model		MVBM-24B18T3N10		MVBM-24A18T3N10		MVBM-36A24T4N10		MVBM-36B24T4N10		MVBM-36C24T4N10		MVBM-60D28T6N10	
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
A	Model Height	18	457	18	457	23-5/16	592	23-9/16	599	24	611	28	711
B	Model Width	17-1/2	445	14-1/2	368	14-1/2	368	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	16-3/16	411	13-1/4	336	13-1/4	336	16-3/16	411	19-3/4	502	23-1/4	591
D	Return Air Opening Width	14-15/16	380	11-15/16	303	11-15/16	303	14-15/16	380	19-1/2	498	23-1/8	587
E	Condensate Drains Height	1-7/16	1-7/16	1-7/16	38	1-7/16	38	1-7/16	38	2-3/16	55	2-3/16	55
F	Liquid Line Height	11-3/8	290	11-3/8	290	17-15/16	455	16-3/8	417	17-1/2	445	21-7/16	545

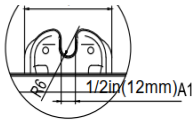
Outdoor Unit Dimension



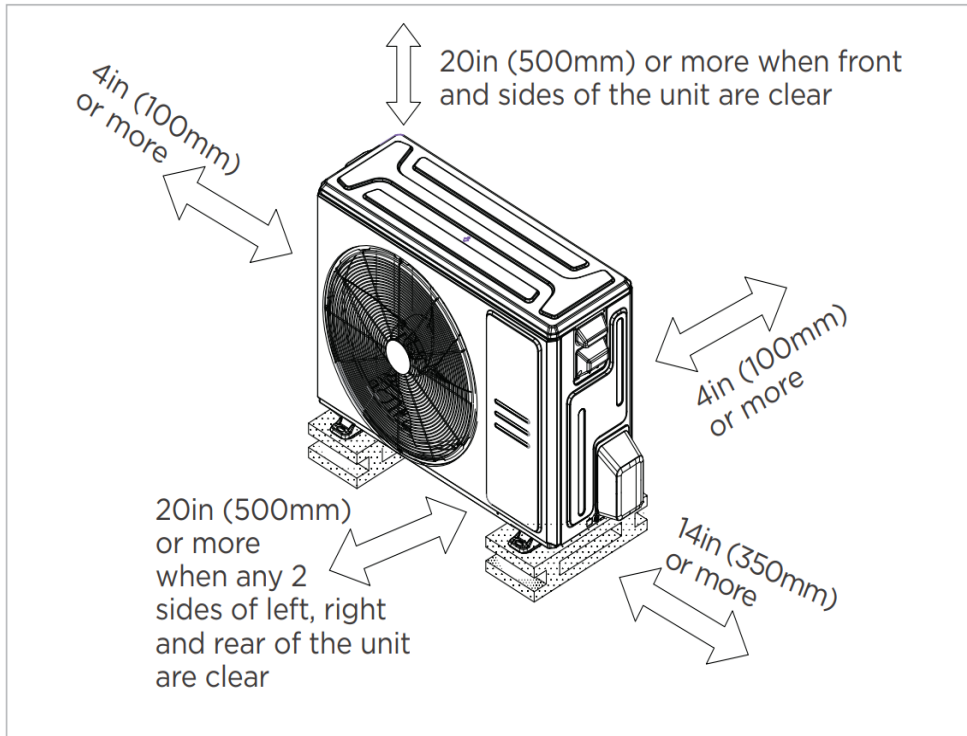


H2

DETAIL A
SCALE 1:1



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

