

SUBMITTAL DATA SHEET

Series Name: DIY Multi Zone Series
Model Number: BDM1A27SC0



Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2130.7
Outdoor Noise Level (dBA)		61.0
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946×410×810
Package (W×D×H)	inch	42.91 x 19.69 x 34.84
	mm	1090×500×885
Net/Gross Weight	lbs	140.21/151.02
	kg	63.6/68.5

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	23.0
Connection Wiring	14#x4
System MOCP	25
Compressor RLA	12.1
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	150
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2167/(500 ~ 2780)
System Power Input @ Heating (W)	2241/(500 ~2440)
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	23.0	HSPF2-4	9.5
EER2	12.0	COP	3.4

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	26000
Min/Max Capacity	7200~32000
Moisture Removal(L/h)	2.0
Standard Operating Range(°F/°C)	32~86/(0~30)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

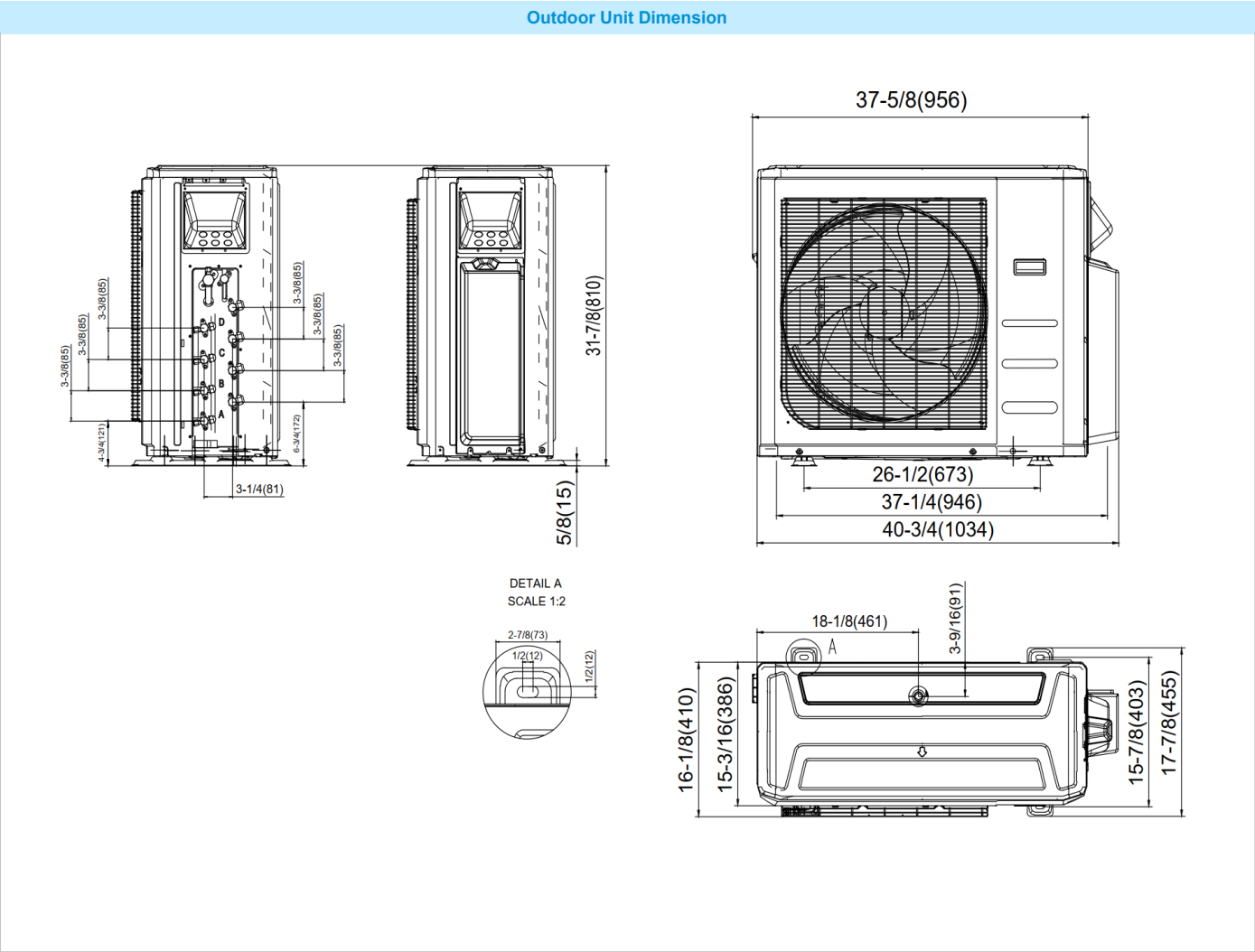
Heating (Btu/hr)	
1. @ 47°F Rated	26000

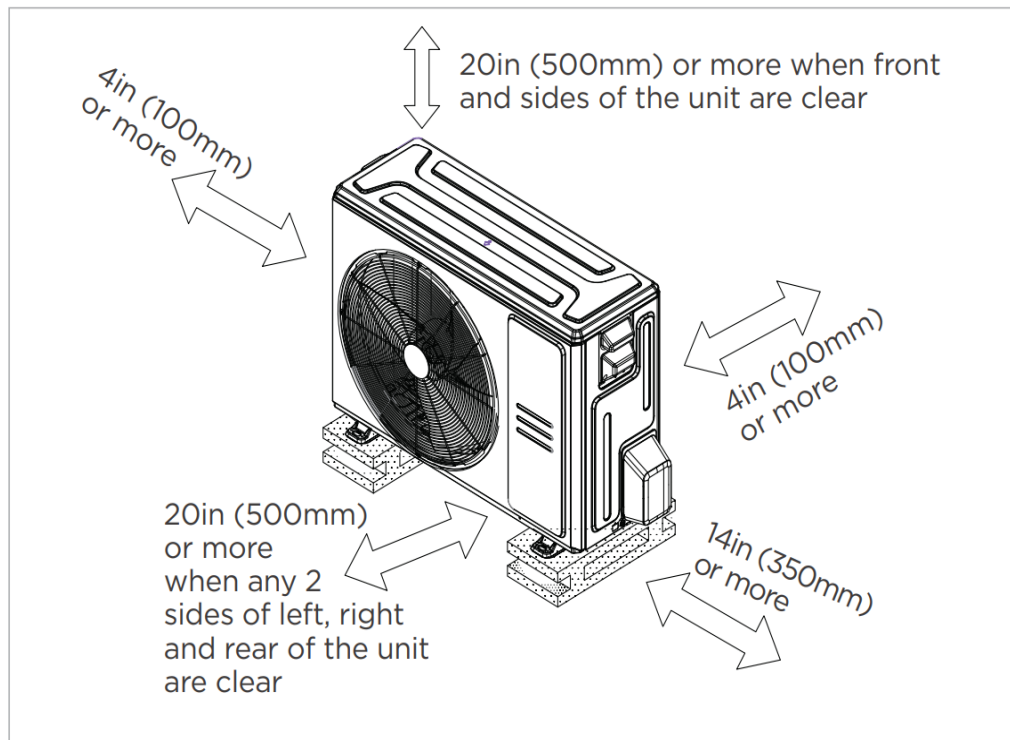
PIPING

Liquid Size	4x9.52mm(4x3/8in)
Gas Size	22.5
Max. Piping Length for all rooms (ft/m)	10/(221.40)
Max. Piping Length for one IDU(ft/m)	67.5/(73.80)
Max. Height Difference of IDU and ODU(ft/m)	16~32/(32.80)
Refrigerant Pre-charged Amount (oz/kg)	15/(2.4)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x4
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	EXV/(0.16)
Additional Charge of Refrigerant	-----

1. @ 47°F Min/Max Capacity	8400~29000
2. @ 17°F Rated(H32)	16200
3. @ 5°F Rated: Capacity / COP(H42)	18200/2.0
3. @ 5°F Max: Capacity	18200
Standard Operating Range(°F/°C)	-13~75/(16~32)
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

(Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared





Meets all spatial requirements shown in Installation Clearance Requirements above.