



Submittal Data Sheet

Outdoor Unit Model#: ES-27Z-M4C*

Multi-Zone Heat Pump System

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

Product Code: 810175551029



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	25.0	HSPF2-4	9.5
EER2	13	COP	3.8

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	27000
Min/Max Capacity	7200~32000
Moisture Removal (L/h)	0.8
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

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	27000
1. @ 47°F Min/Max Capacity	8400~29000
2. @ 17°F Rated (H32)	18400
3. @ 5°F Rated: Capacity / COP (H42)	19000 / 2
3. @ 5°F Max: Capacity	19000
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

OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	620	
Refrigerant Oil	V74	
Outdoor Air Flow (Max) (CFM)	2131	
Outdoor Noise Level (dBA)	61	
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	138.89 / 149.69
	kg	63.0 / 67.9

ELECTRICAL SPECIFICATIONS

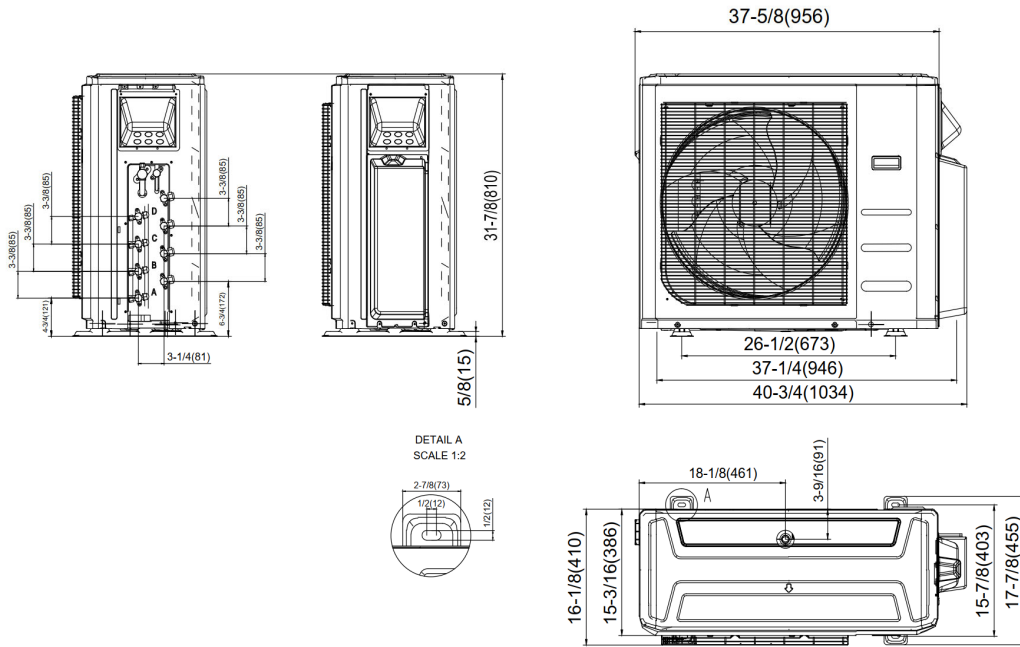
Power Supply	208/230V, 60Hz, 1Ph
System MCA	23
Connection Wiring	AWG 14-4
System MOP	25
Compressor RLA	12.1
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2076 / (500 ~ 2730)
System Power Input @ Heating (W)	2080 / (500 ~ 2400)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

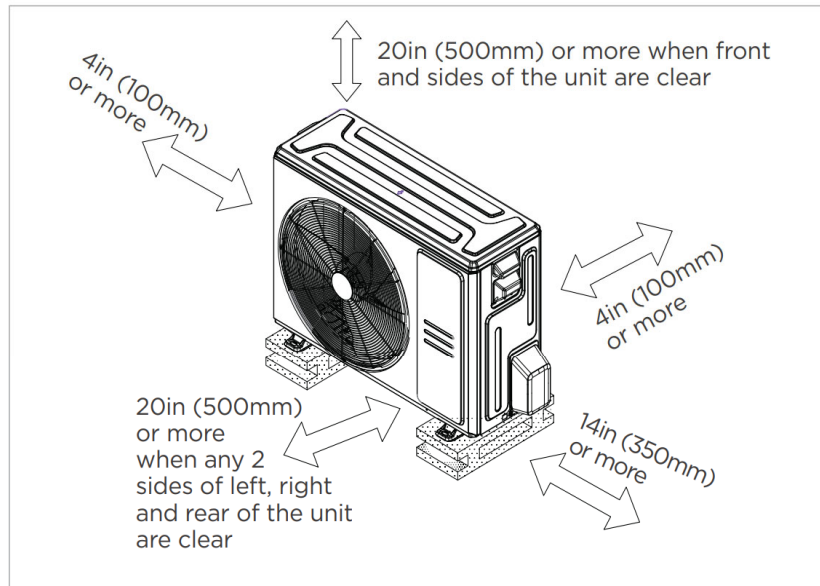
Liquid Size	4 x 6.35mm (4 x 1/4in)
Gas Size	3 x 9.52mm + 1 x 12.7mm (3 x 3/8in + 1 x 1/2in)
Max. Piping Length for all rooms (ft/m)	262.4 / (80)
Max. Piping Length for one IDU (ft/m)	114.8 / (35)
Max. Height Difference of IDU and ODU (ft/m)	49.2 / (15)
Refrigerant Pre-charged Amount (oz/kg)	84.66 / (2.4)
Refrigerant Precharge Length (ft/m)	24.6 (7.5) x 4
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16 / (15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Flared

*System performance figures & efficiency ratings above achieved by testing condenser with (1) 9K & (3) 6K Non-ducted air handlers

Outdoor Unit Dimensions



Installation Instructions



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.