



Submittal Data Sheet

Outdoor Unit Model#: ES-55Z-M6C*

Multi-Zone Heat Pump System

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

Product Code: 810175551050



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	18.0	HSPF2-4	9.2
EER2	10	COP	3.7

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	60000
Min/Max Capacity	19000~61000
Moisture Removal (L/h)	3.1
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

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	60000
1. @ 47°F Min/Max Capacity	20000~61000
2. @ 17°F Rated (H32)	39000
3. @ 5°F Rated: Capacity / COP (H42)	40000 / 2.1
3. @ 5°F Max: Capacity	40000
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	KTQ420D1UMU	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	1400	
Refrigerant Oil	V74	
Outdoor Air Flow (Max) (CFM)	4503	
Outdoor Noise Level (dBA)	64	
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43.11 x 19.49 x 58.27
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	237.88 / 270.28
	kg	107.9 / 122.6

ELECTRICAL SPECIFICATIONS

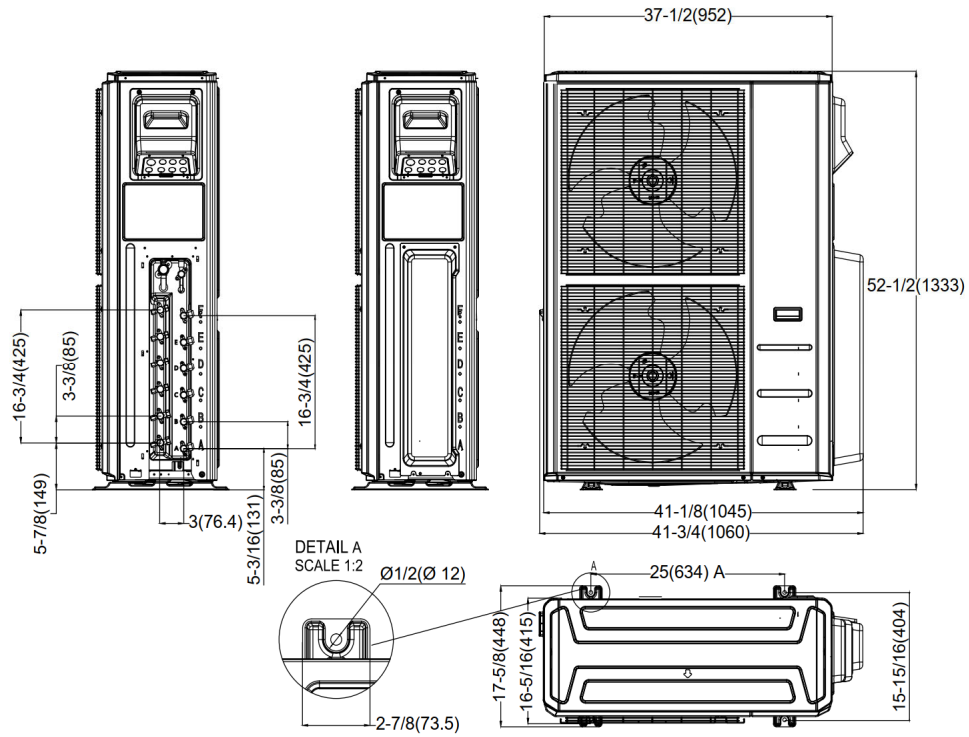
Power Supply	208/230V, 60Hz, 1Ph
System MCA	40
Connection Wiring	AWG 14-4
System MOP	45
Compressor RLA	25
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	6000 / (1200 ~ 6360)
System Power Input @ Heating (W)	4753 / (1200 ~ 5200)
MCA: Min. circuit amps (A)	MOP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

Liquid Size	6 x 6.35mm (6 x 1/4in)
Gas Size	4 x 9.52mm + 2 x 12.7mm (4 x 3/8in + 2 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)	151.68 / (4.3)
Refrigerant Precharge Length (ft/m)	24.6 (7.5) x 6
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) 24K & (4) 9K multi-zone compatible ducted air handlers

Outdoor Unit Dimensions



Installation Instructions

