

Outdoor Unit Model#: ES-18Z-M3C\*

### Multi-Zone Heat Pump System

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

Product Code: 810175551012



### EFFICIENCY RATINGS

Cooling		Heating	
SEER2	25.1	HSPF2-4	9.8
EER2	14	COP	3.8

### COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	5400~21600
Moisture Removal (L/h)	0.2
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	19000
1. @ 47°F Min/Max Capacity	5700~21600
2. @ 17°F Rated (H32)	13600
2. @ 5°F Rated: Capacity / COP (H42)	13500 / 2.3
3. @ 5°F Max: Capacity	13500
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	Twin-ROTARY	
Compressor Model	KTN150D30UFZA	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	450	
Refrigerant Oil	V74	
Outdoor Air Flow (Max) (CFM)	1766	
Outdoor Noise Level (dBA)	59.5	
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890 x 342 x 673
Package (W×D×H)	inch	40.55 x 17.24 x 29.53
	mm	1030 x 438 x 750
Net/Gross Weight	lbs	100.53 / 109.35
	kg	45.6 / 49.6

### ELECTRICAL SPECIFICATIONS

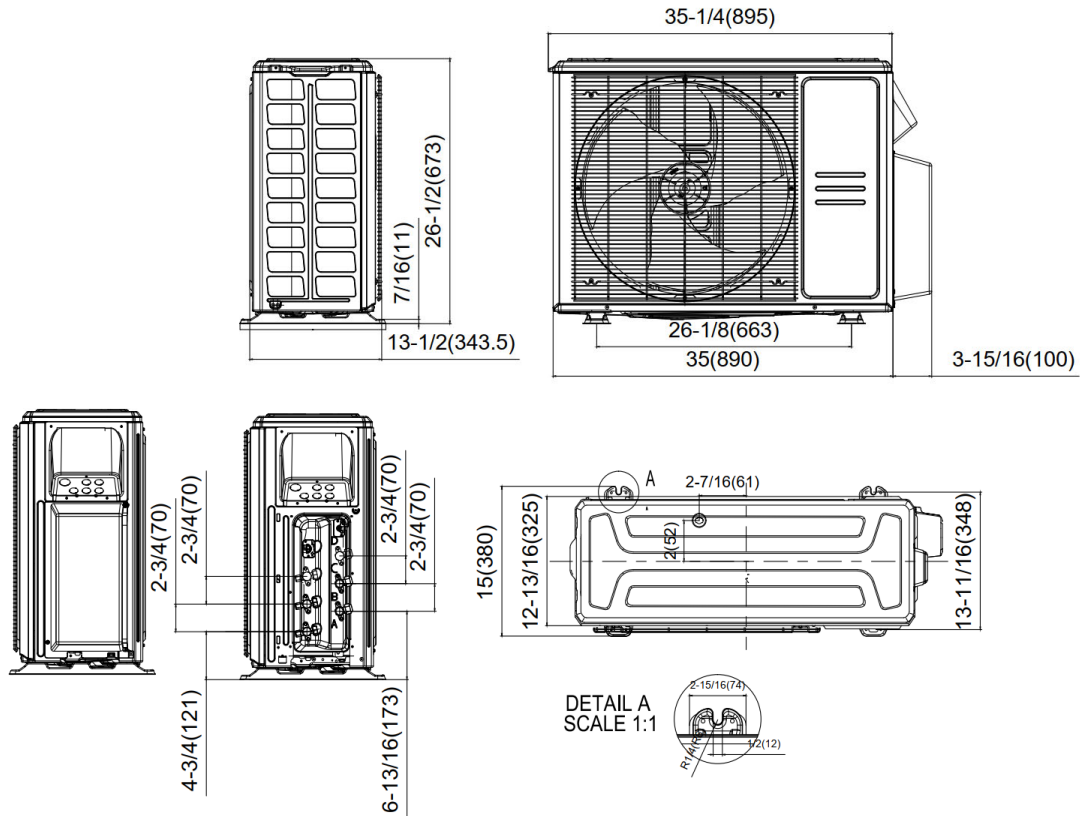
Power Supply	208/230V, 60Hz, 1Ph
System MCA	16
Connection Wiring	AWG 14-4
System MOP	20
Compressor RLA	8.2
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1285 / (400 ~ 1900)
System Power Input @ Heating (W)	1465 / (350 ~ 1630)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

### REFRIGERANT PIPING SPECIFICATIONS

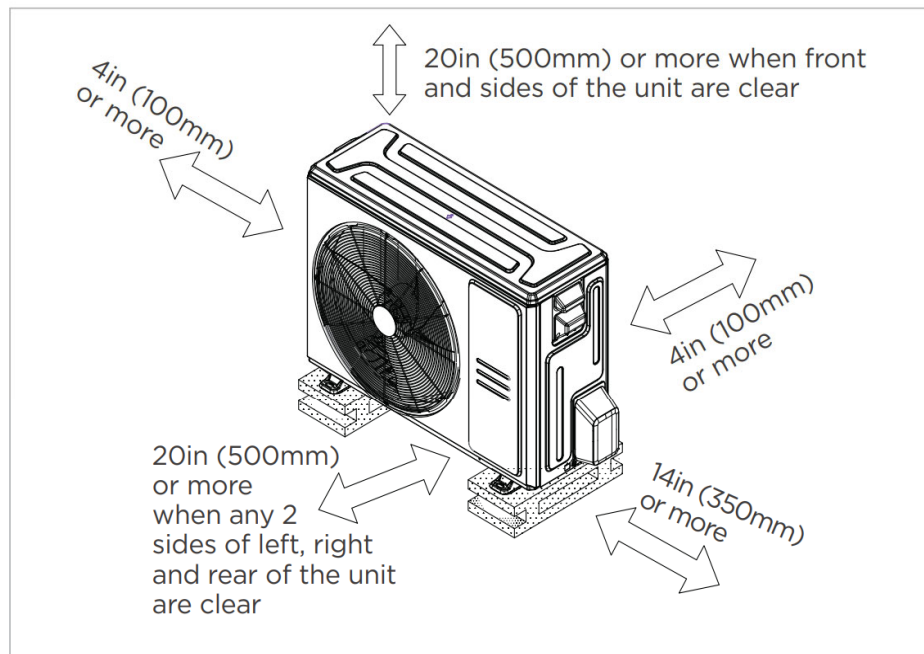
Liquid Size	3 x 6.35mm (3 x 1/4in)
Gas Size	3 x 9.52mm (3 x 3/8in)
Max. Piping Length for all rooms (ft/m)	196.8 / (60)
Max. Piping Length for one IDU (ft/m)	98.4 / (30)
Max. Height Difference of IDU and ODU (ft/m)	49.2 / (15)
Refrigerant Pre-charged Amount (oz/kg)	61.73 / (1.75)
Refrigerant Precharge Length (ft/m)	24.6 (7.5) x 3
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 (3) 6K Non-ducted air handlers

## Outdoor Unit Dimensions



## Installation Instructions



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