



Submittal Data Sheet

Outdoor Unit Model#: EZ-48Z-M5B

48K Multi-Zone (6-Zone) Heat Pump Condenser with DIYCOOL Technology

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



EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	21.8	HSPF2-4	10.0
EER2	12.0	COP	3.3

COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	43000
Min/Max Capacity	12000 ~ 52500
Moisture Removal (L/h)	4.3
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

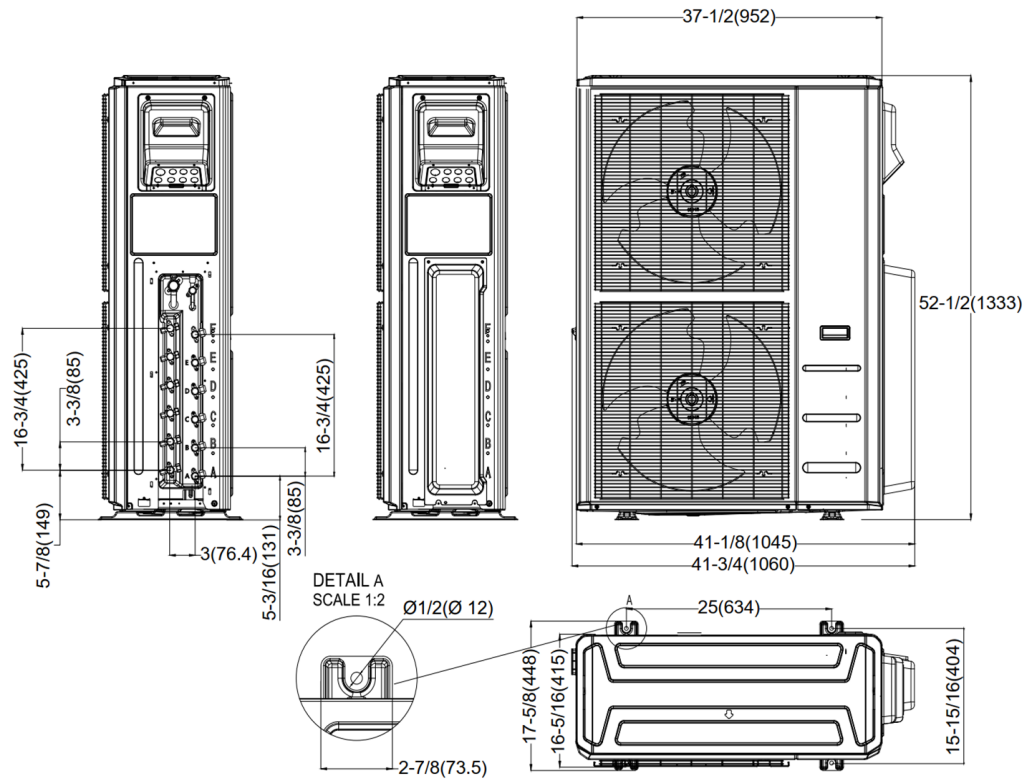
HEATING PERFORMANCE	
Heating (Btu/hr)	
1. @ 47°F Rated Capacity	48000
1. @ 47°F Min/Max Capacity	13000 ~ 54500
2. @ 17°F Rated: Capacity / COP (H32)	35200 / 2.5
3. @ 5°F Rated: Capacity / COP (H42)	37000 / 2.0
3. @ 5°F Max: Capacity	37000
Standard Operating Range °F (°C)	-13 ~ 75 (-25 ~ 24)
1. Rated 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

OUTDOOR UNIT SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTQ420D1UMU
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1400
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4502.8
Outdoor Noise Level (dBA)		64
Dimension (WxDxH)	inch	37.48 x 16.34 x 52.48
	mm	952 x 415 x 1333
Package (WxDxH)	inch	43.11 x 19.49 x 58.27
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	223.77 / 256.39
	kg	101.5 / 116.3

ELECTRICAL SPECIFICATIONS	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	40
Connection Wiring	14#x4
System MOCP	45
Compressor RLA	21.8
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	126
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3580 (800 ~ 5680)
System Power Input @ Heating (W)	4260 (800 ~ 5450)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS	
Liquid Size	6x6.35mm (6x1/4in)
Gas Size	4x9.52mm + 2x12.7mm (4x3/8in + 2x1/2in)
Max. Piping Length for all rooms (ft/m)	221.40 / 67.5
Max. Piping Length for one IDU (ft/m)	73.80 / 22.5
Max. Height Difference of IDU and ODU (ft/m)	32.8 / 10
Refrigerant Charge Amount (oz/kg)	148.15 / 4.2
Additional Refrigerant Charge Amount (oz/ft) / (g/m)	0.16 / 15
Outdoor Throttle Type	EXV
Connection Method	Connector

Outdoor Unit Dimensions



Installation Instructions

