R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Multi-Zone Mid Tier Advanced Heat With Shut-off Valve_All Ducted
Model Number: MO5EX-H36B-2A

Midea

Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY

Cooling		Heating	
SEER2	20.0	HSPF2-4	9.2
EER2	11.7	COP	3.2

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	35,000
Min/Max Capacity	9,000 ~ 40,000
Moisture Removal(L/h)	0.6
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

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	37,000
1. @ 47°F Min/Max Capacity	10,000 ~ 40,500
2. @ 17°F Rated(H32)	26,400
3. @ 5°F Rated: Capacity / COP(H42)	26,000 / 2
3. @ 5°F Max: Capacity	26,000
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 SPECIFICATION

Compressor Type		TWIN-ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		2,148.4
Outdoor Noise Level (dBA)		62.5
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1,090 × 500 × 885
Net/Gross Weight	lbs	169 / 180
	kg	76.6 / 81.7

ELECTRICAL

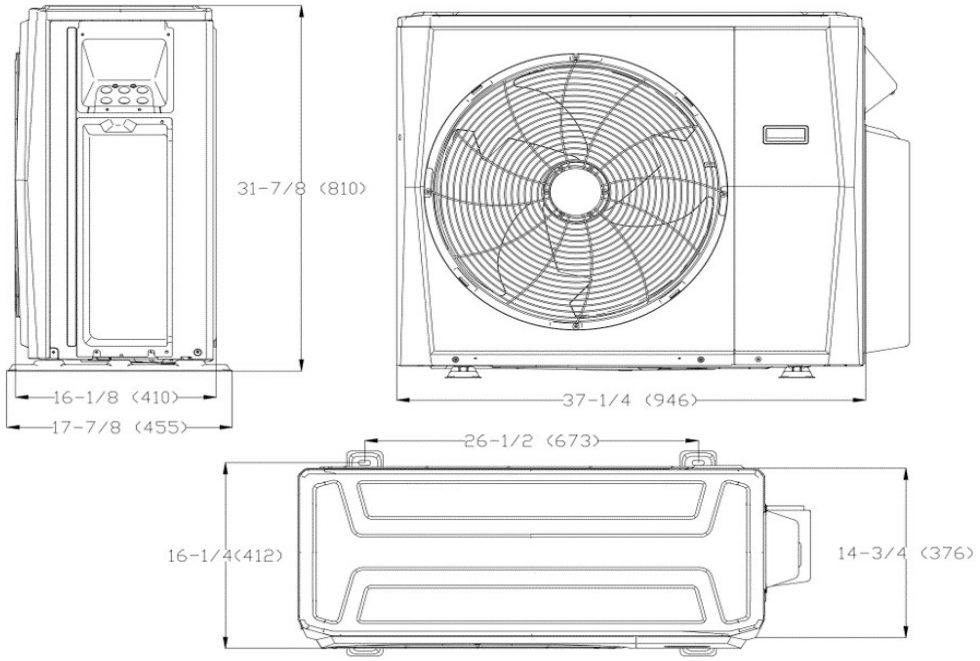
Power Supply	208/230V,60Hz,1Ph
System MCA	30.5
Connection Wiring	AWG 14/4
System MOCP	35.0
Compressor RLA	17
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2,990 (600 ~ 4,500)
System Power Input @ Heating (W)	3,390 (600 ~ 3,600)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PIPING

Liquid Size	5 x 1/4" (5 x 6.35 mm)
Gas Size	4 x 3/8"+1 x 1/2" (4 x 9.52 mm+1 x 12.7 mm)
Max. Piping Length for all rooms(ft/m)	262 (80)
Max. Piping Length for one IDU(ft/m)	115 (35)
lax. Height Difference of IDU and ODU(ft/r	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	121 (3.42)
Refrigearant Precharge Length(ft/m)	25 (7.5) x 5
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

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction

