R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Multi-Zone Mid Tier Advanced Heat With Shut-off Valve_All Ducted
Model Number: MO6EX-H48B-2A

Midea

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



EFFICIENCY

Cooling		Heating	
SEER2	20.4	**HSPF2-4**	10.6
EER2	12	**COP**	3.9

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	45,000
Min/Max Capacity	12,000 ~ 52,000
Moisture Removal(L/h)	2.5
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	47,000
1. @ 47°F Min/Max Capacity	13,000 ~ 53,000
2. @ 17°F Rated(H32)	37,000
3. @ 5°F Rated: Capacity / COP(H42)	38,000 / 2.1
3. @ 5°F Max: Capacity	38,000
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		KTQ420D1UMU
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1400
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		4,502.8
Outdoor Noise Level (dBA)		63.0
Dimension (W×D×H)	**inch**	37-1/2 x 16-5/16 x 52-1/2
	mm	952 × 415 × 1,333
Package (W×D×H)	**inch**	43-1/8 x 19-1/2 x 58-1/4
	mm	1,095 × 495 × 1,480
Net/Gross Weight	**lbs**	222 / 254
	kg	100.7 / 115.3

ELECTRICAL

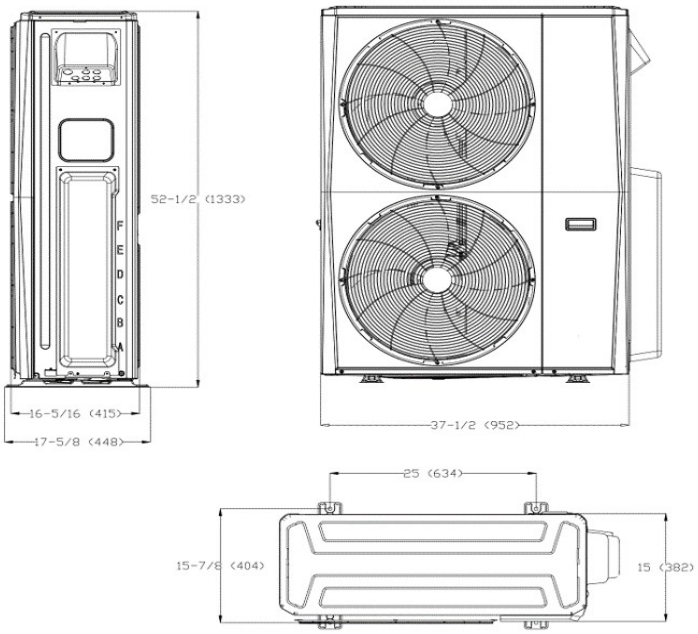
Power Supply	208/230V,60Hz,1Ph
System MCA	40.0
Connection Wiring	AWG 14/4
System MOCP	45.0
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	170
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3,750 (800 ~ 6,000)
System Power Input @ Heating (W)	3,530 (800 ~ 5,190)
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	6 x 1/4" (6 x 6.35 mm)
Gas Size	4 x 3/8"+2 x 1/2" (4 x 9.52 mm+2 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/n	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	148 (4.2)
Refrigearant Precharge Length(ft/m)	25 (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

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction

