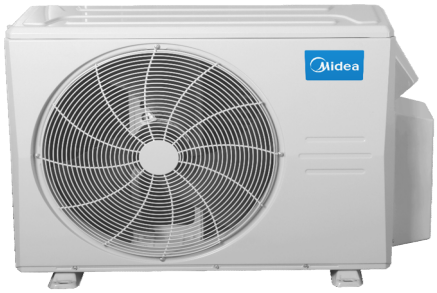
R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Multi-Zone Mid Tier Advanced Heat With Shut-off Valve (except 18K)_All Ducted
Model Number: MO3EX-H18B-2A

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**	10.0
EER2	12	**COP**	3.8

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	5,400 ~ 24,000
Moisture Removal(L/h)	0.02
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	19,000
1. @ 47°F Min/Max Capacity	5,700 ~ 22,000
2. @ 17°F Rated(H32)	14,600
3. @ 5°F Rated: Capacity / COP(H42)	14,600 / 2.3
3. @ 5°F Max: Capacity	14,600
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		KTN150D30UFZA
Refrigerant		R454B
Refrigerant Oil Charge(mL)		450
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		1,765.8
Outdoor Noise Level (dBA)		59.0
Dimension (W×D×H)	**inch**	35-1/16 x 13-7/16 x 26-1/2
	mm	890 × 342 × 673
Package (W×D×H)	**inch**	40-9/16 x 17-1/4 x 29-1/2
	mm	1,030 × 438 × 750
Net/Gross Weight	**lbs**	101 / 109
	kg	45.6 / 49.6

ELECTRICAL

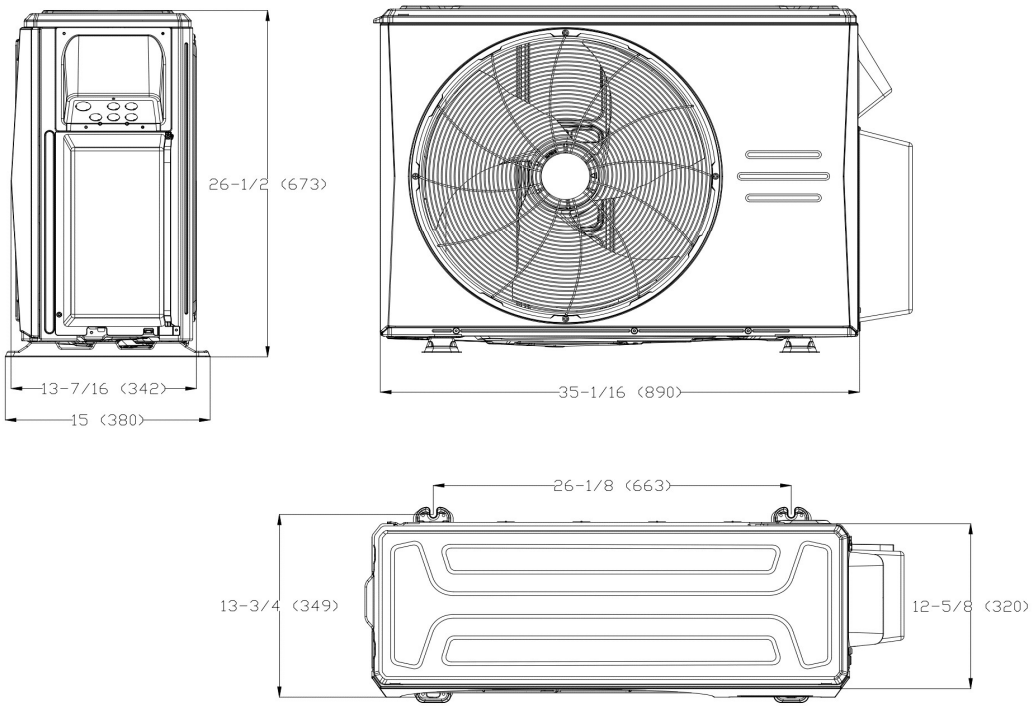
Power Supply	208/230V,60Hz,1Ph
System MCA	16.0
Connection Wiring	AWG 14/4
System MOCP	20.0
Compressor RLA	8.2
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1,500 (400 ~ 2,100)
System Power Input @ Heating (W)	1,470 (350 ~ 1,600)
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	3 x 1/4" (3 x 6.35 mm)
Gas Size	3 x 3/8" (3 x 9.52 mm)
Max. Piping Length for all rooms(ft/m)	197 (60)
Max. Piping Length for one IDU(ft/m)	98 (30)
ax. Height Difference of IDU and ODU(ft/r	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	62 (1.75)
Refrigearant Precharge Length(ft/m)	25 (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

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction

