

Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type	Dual-Rotary
Compressor Model	MTH356SKPC8FQL
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1300±20
Refrigerant Oil	HAF68D1C
Outdoor Air Flow (Max) (CFM)	1882
Outdoor Noise Level (dBA)	65
Dimension (W×D×H)	inch 42-1/4" x 18-3/8" x 33-5/8"
	mm 1074×468×853
Package (W×D×H)	inch 44-5/8" x 20-7/8" x 38-1/4"
	mm 1135×530×970
Net/Gross Weight	lbs 174.2/198.4
	kg 79/90

ELECTRICAL

Power Supply	208/230V~/60Hz/1P
System MCA	28
Connection Wiring	16AWG*4
System MOCP	45
Compressor RLA	RLA 20.7 A
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	200
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	200
Rated Input (Non-Ducted)Cooling (W)	3550
Rated Input (Non-Ducted)Heating (W)	3260
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	19.0	HSPF2-4	7.3-8.5
EER2	10	COP	3.11

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	45000
Min/Max Capacity	6500~46000
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~131(-15~55)
Rated Cooling Conditions: Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	

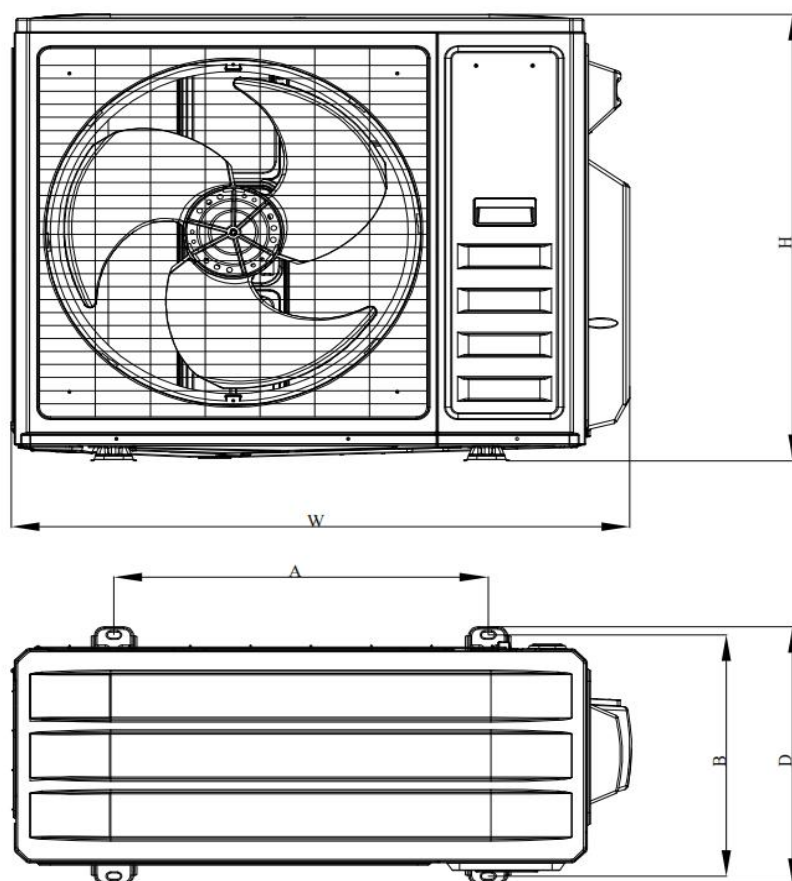
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	45000
1. @ 47°F Min/Max Capacity	6500~46000
2. @ 17°F Rated(H32)	31000
3. @ 5°F Rated: Capacity / COP(H42)	1.8
3. @ 5°F Max: Capacity	30000
Standard Operating Range(°F/°C)	-13~86(-25~30)
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

PIPING

Liquid Size	1/4
Gas Size	3/8
Max. Piping Length for all rooms(ft/m)	295 (90)
Max. Piping Length for one IDU(ft/m)	98 (30)
Max. Height Difference of IDU and ODU(ft/m)	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	119.9/3.4
Refrigerant Precharge Length(ft/m)	25/7.5
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.11
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	/
Connection Method	16AWG*4 Stranded, unshielded,

Outdoor Unit Dimension



Outdoor Model	W x H x D (in)	A (in)	B (in)
CMIT-19-2Z	36-1/2" x 14-7/8" x 27-1/2"	23.1	13.7
CMIT-27-3Z	38-1/2" x 16-5/8" x 31-5/8"	23.9	15.4
CMIT-40-4Z	42-1/4" x 18-3/8" x 33-5/8"	26	18.2
CMIT-55-5Z	42-1/4" x 18-3/8" x 33-5/8"	26	18.2