

ComfortStar® SUBMITTAL DATA SHEET

Model Number: CMIT-19-2Z (358)

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		C-6RZ180H1AAF
Refrigerant		R454B
Refrigerant Oil Charge(mL)		450
Refrigerant Oil		FV68S
Outdoor Air Flow (Max) (CFM)		1471
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	inch	36 -1/2"×15"×27 -1/2"
	mm	927×380×699
Package (W×D×H)	inch	37 -3/4"×16 -7/8"×28 -7/8"
	mm	960×430×732
Net/Gross Weight	lbs	92.6/99.2
	kg	42/45

ELECTRICAL

Power Supply	208/230V~/60Hz/1P
System MCA	16
Connection Wiring	16AWG*4
System MOCP	25
Compressor RLA	RLA 11.1 A
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	85
Rated Input (Non-Ducted)Cooling (W)	1370
Rated Input (Non-Ducted)Heating (W)	1410

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	20.0	HSPF2-4	7.3-8.5
EER2	10.5	COP	3.21

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	20000
Min/Max Capacity	3500~22000
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	

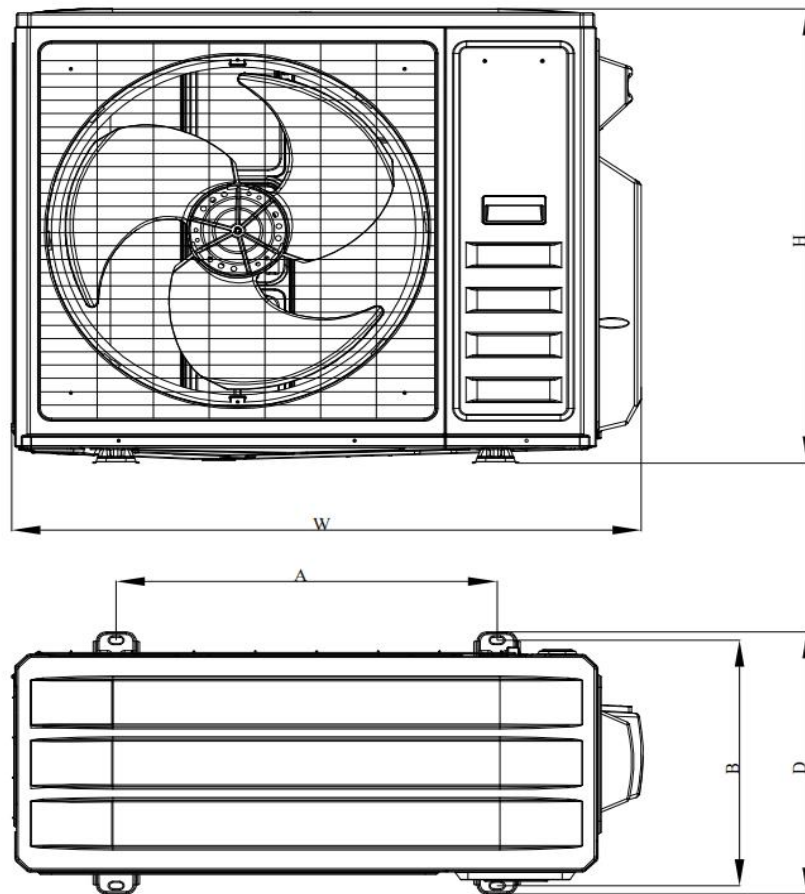
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	20000
1. @ 47°F Min/Max Capacity	3500~23000
2. @ 17°F Rated(H32)	17400
3. @ 5°F Rated: Capacity / COP(H42)	1.8
3. @ 5°F Max: Capacity	16000
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)	131 (40)
Max. Piping Length for one IDU(ft/m)	82 (25)
Max. Height Difference of IDU and ODU(ft/m)	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	60/1.7
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, TC-ER Type

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