

Multi Zone Heat Pump System

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


OUTDOOR SPECIFICATION

Compressor Type	Single-Rotary	
Compressor Model	KSN140D53UFZ3	
Refrigerant	R32	
Refrigerant Oil Charge(mL)	420	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1294	
Outdoor Noise Level (dBA)	56	
Dimension (W×D×H)	inch	33.54×13.74×23.70
	mm	852×349×602
Package (W×D×H)	inch	35.04×15.16×24.72
	mm	890×385×628
Net/Gross Weight	lbs	72.8/78.3
	kg	33/35.5

ELECTRICAL

Power Supply	208/230V~/60Hz/1P
System MCA	14
Connection Wiring	16AWG*4 Stranded, unshielded, TC-ER Type
System MOCP	20
Compressor RLA	9.6
Outdoor Fan Motor RLA	/
Outdoor Fan Motor W	33
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
Rated Input (Non-Ducted)Cooling (W)	1540
Rated Input (Non-Ducted)Heating (W)	1320
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	25.0	HSPF2-4	8.5
EER2	11.7	COP	4.00

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	21000
Moisture Removal(L/h)	1.1
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	

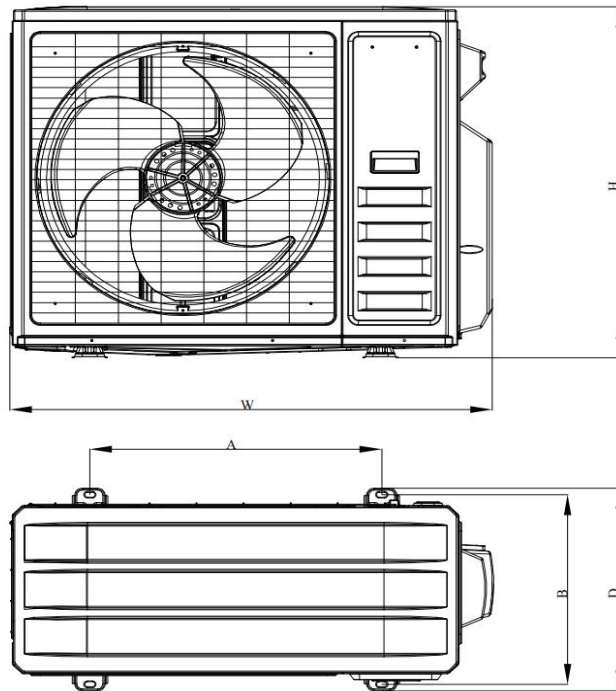
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	18000
1. @ 47°F Min/Max Capacity	20000
2. @ 17°F Rated(H32)	14000
3. @ 5°F Rated: Capacity / COP(H42)	2.2
3. @ 5°F Max: Capacity	14000
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	

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)	42.3(1.2)
Refrigerant Precharge Length(ft/m)	49 (15)
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	Outdoor Unit Dimensions mm (in.)	Mounting Dimensions mm (in.)	
	W x H x D	A	B
C32-MZ-2	852x603x349(33.54x23.74x13.74)	516(20.31)	314(12.36)
C32-MZ-3	913x699x375 (35.94x27.52/10x14.76)	580(22.83)	336(13.23)
C32-MZ-4/C32-MZ-5	1083x858x494 (42.64x33.78x19.45)	660(25.98)	462(18.19)