

One Way Cassette Heat Pump System

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



INDOOR SPEINDOOR SPECIFICATIONCIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	353.2 / 312.0 / 282.5 / 247.2 / 176.6
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/41/37/33/24
Dimension (W×D×H)	inch 50.31 x 13.19 x 8.98
	mm 1278.0×335.0×228.0
Package (W×D×H)	inch 57.60 x 22.48 x 22.64
	mm 1463×571×575
Net/Gross Weight	lbs 45.19/82.45
	kg 20.5/37.4

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.00
Connection Wiring	14#x4
System MOCP	15
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	30.0
System Power Input @ Cooling (W)	923(147 ~ 1230)
System Power Input @ Heating (W)	1030(362 ~ 1377)
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	23	HSPF2-4	10.0
EER2	13	COP	3.56

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	4000~13900
Moisture Removal(L/h)	1.69
Standard Operating Range(°F/°C)	-22~-122(-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

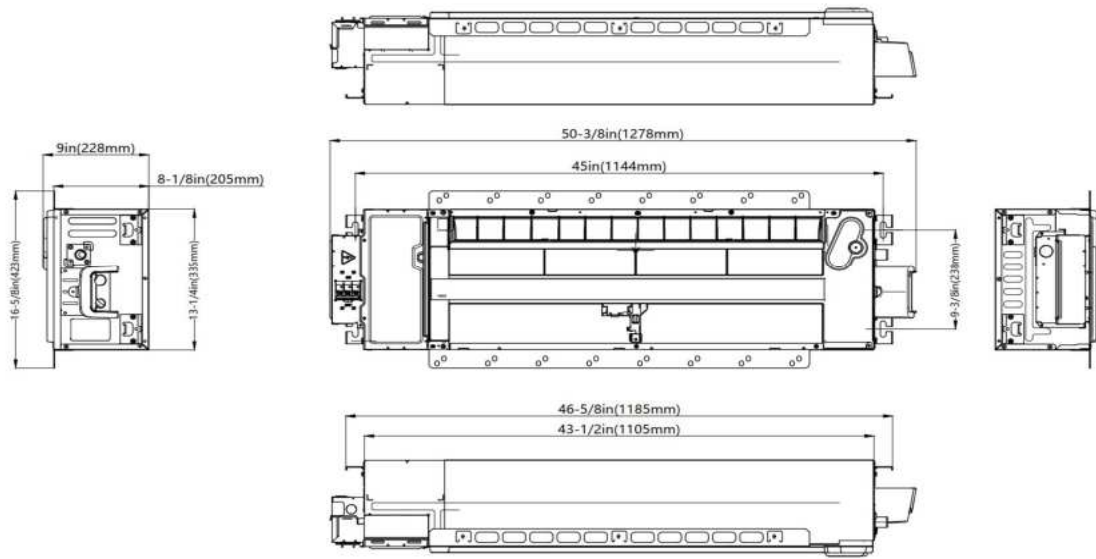
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	12500
1. @ 47°F Min/Max Capacity	4600~15200
2. @ 17°F Rated	9600
3. @ 5°F Rated: Capacity / COP	11500/2.0
3. @ 5°F Max: Capacity	11500
Standard Operating Range(°F/°C)	-22~-75(-30~24)
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

Throttle type(Indoor)	N/A
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.02(25)
Max. Height Difference(ft/m)	49.21(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	35.27(1.00)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

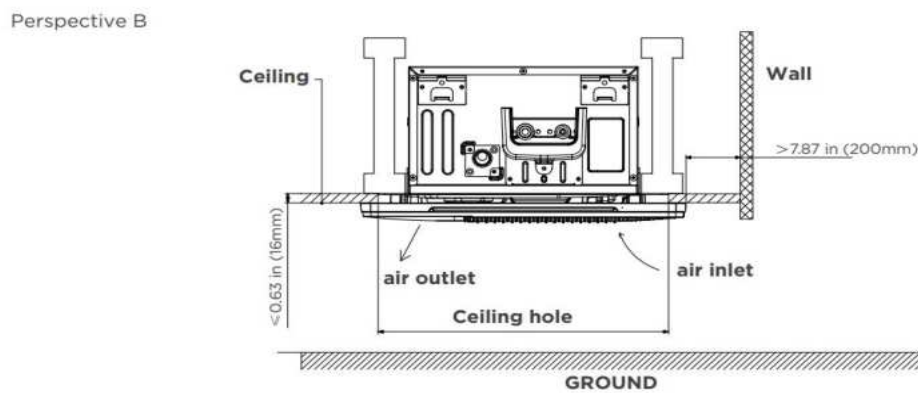
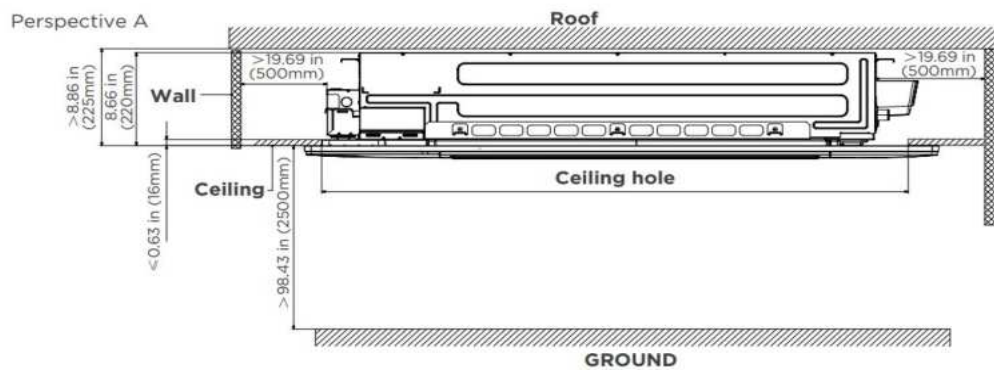
Indoor Unit Dimension



Installation Instruction

Installation place

(unit: inch/mm)



FEATURES

- Designed to fit between both I-joist spacing and traditional joist spacing
- Elevation panel
- Refrigerant leakage detection sensor(Optional)
- Humidity sensor
- Built-in pump
- Built-in circuit breaker
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple control options available:
 - Two way communication wired controller with built-in WiFi:AWC-8P-LC-WIFI
 - Infrared wired controller: AWC-4 (standard)
 - Wireless remote controller
 - Third-Party 24V Thermostat

*24V interface is required.