

# SUBMITTAL DATA SHEET

Series Name: Slim Cassette Peak heat Singe Zone  
Model Number: SCA09H525ZMI/HSZ09H525ZMO



## 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)	341.4 / 294.3 / 259.0 / 235.4 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/38/36/33/24
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

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTN110D42UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	350
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1471.5
Outdoor Noise Level (dBA)	54.5
Dimension (W×D×H)	inch 31.69 x 12.99 x 21.81
	mm 805.0×330.0×554.0
Package (W×D×H)	inch 36.02 x 14.57 x 24.21
	mm 915×370×615
Net/Gross Weight	lbs 72.75/78.70
	kg 33/35.7

## EFFICIENCY

Cooling	Heating
SEER2 24.0	HSPF2-4 12.1
EER2 14.6	COP 3.71

## PERFORMANCE of Cooling

Cooling (Btu/hr)
Rated Capacity 9000
Min/Max Capacity 4000~12900
Moisture Removal(L/h) 0.98
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 10900
1. @ 47°F Min/Max Capacity 3800~13900
2. @ 17°F Rated 9000
3. @ 5°F Rated: Capacity / COP 10600/1.83
3. @ 5°F Max: Capacity 10600
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

## ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	610(147 ~ 1150)
System Power Input @ Heating (W)	860(300 ~1350)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

## PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
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

## FEATURES

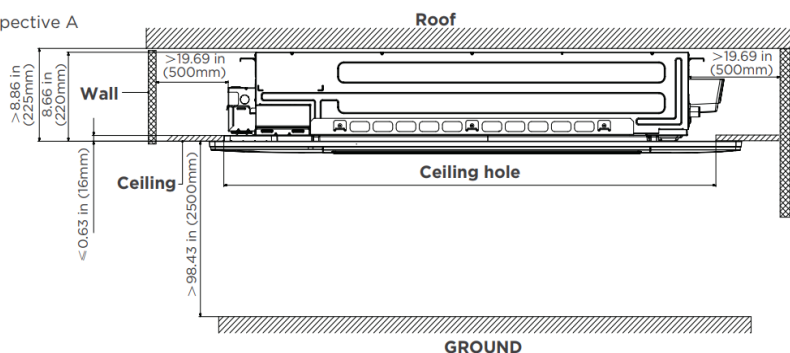
- Designed to fit between both I-joist spacing and traditional joist spacing
- Elevation panel
- Refrigerant leakage detection sensor(Optional)
- Humidity sensor
- Built-in pump
- Built-in circuit breaker
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Infrared wired controller: 120L
  - Wireless remote controller
  - Third-Party 24V Thermostat\*

## Installation Instruction

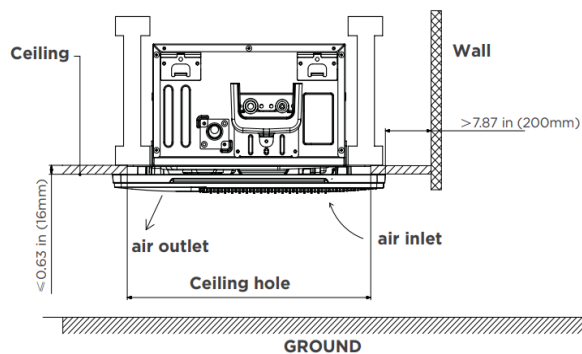
### Installation place

(unit: inch/mm)

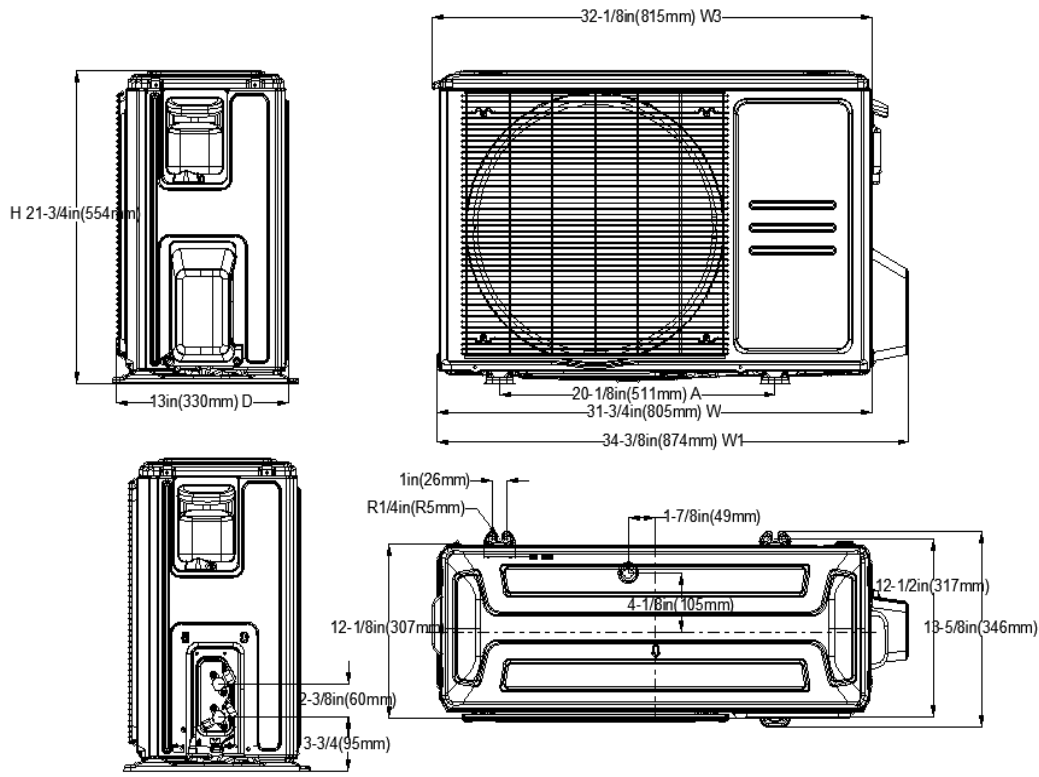
Perspective A



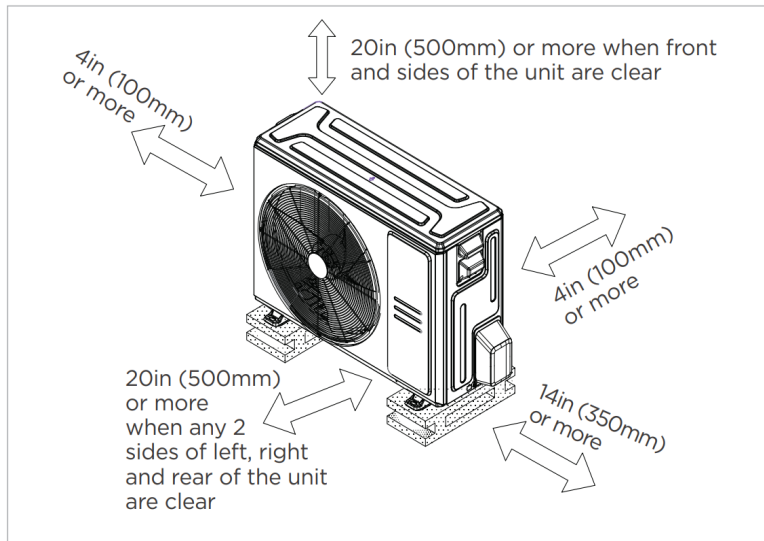
Perspective B



## Outdoor Unit Dimension



## Installation Instruction



- ☒ Meets all spatial requirements shown in Installation Clearance Requirements above.