

# SUBMITTAL DATA SHEET



Series Name: Slim Cassette Single Zone  
Model Number: SCA12H525ZMI/SZ12H525ZMO

## One Way Cassette Heat Pump System

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



## INDOOR SPECIFICATION

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/43.0/37.5/26.0/22.0
Dimension (W×D×H)	inch 50.31 x 13.19 x 8.98
Package (W×D×H)	inch 57.60 x 22.48 x 22.64
Net/Gross Weight	lbs 45.19/82.45

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge(mL)	310
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1236.1
Outdoor Noise Level (dBA)	54.5
Dimension (W×D×H)	inch 30.12 x 11.93 x 21.85
Package (W×D×H)	inch 34.92 x 13.27 x 24.02
Net/Gross Weight	lbs 62.17/67.68

## EFFICIENCY

Cooling		Heating	
SEER2	22.1	HSPF2-4	10.0
EER2	12.3	COP	3.40

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3900~13800
Moisture Removal(L/h)	1.54
Standard Operating Range(°F/°C)	-13~122(-25~50)
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	12000
1. @ 47°F Min/Max Capacity	4700~15300
2. @ 17°F Rated	8600
3. @ 5°F Rated: Capacity / COP	8600/2.48
3. @ 5°F Max: Capacity	8600
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

## ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	12.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	976(220 ~ 1180)
System Power Input @ Heating (W)	1034(275 ~ 1310)
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)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

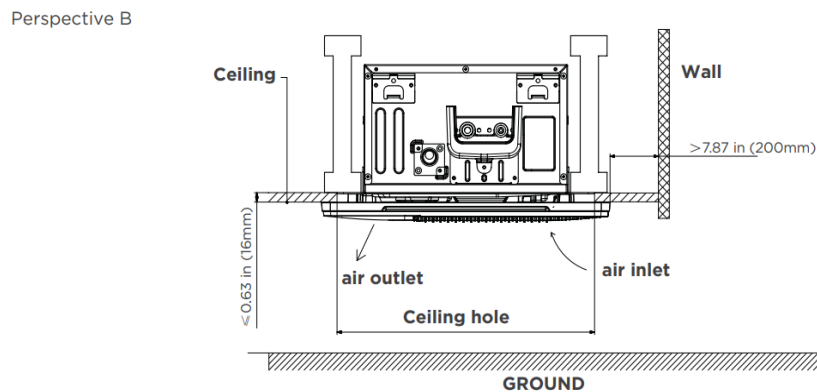
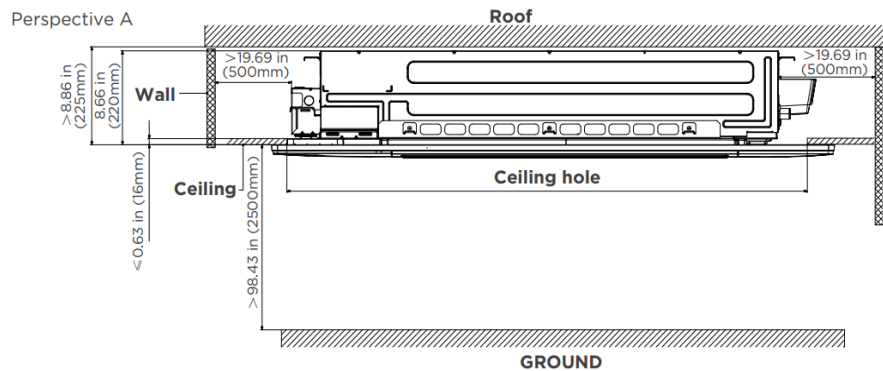
## FEATURES

- 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\*

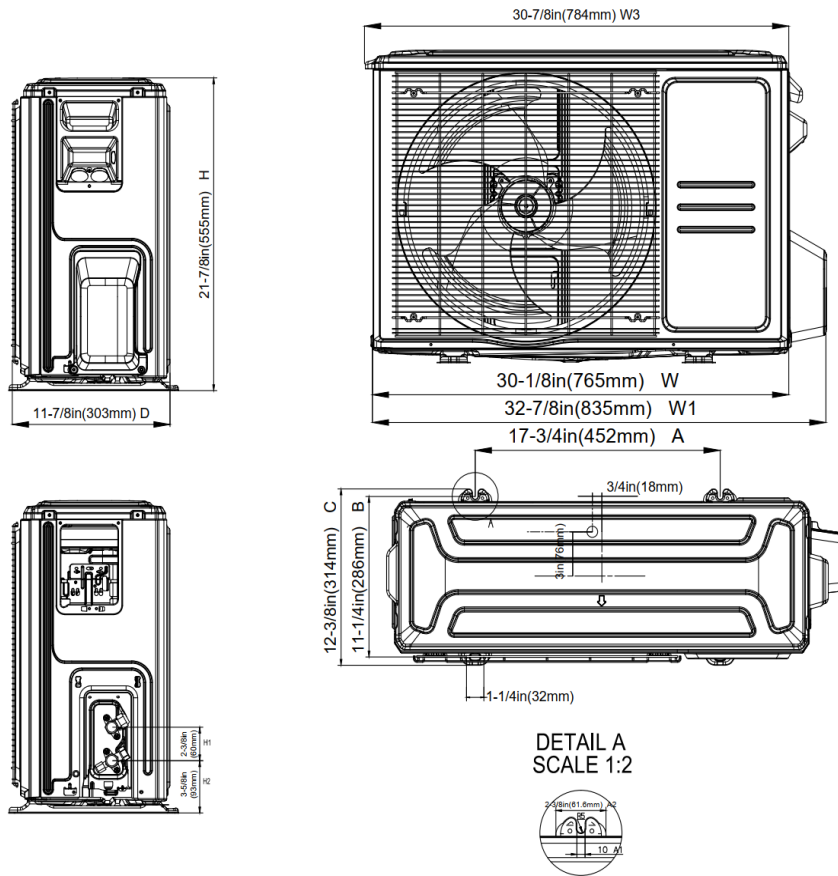
## Installation Instruction

### Installation place

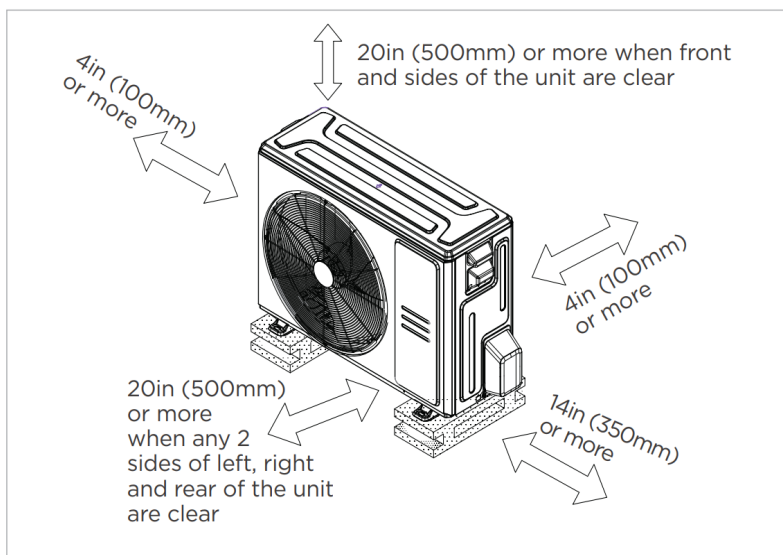
(unit: inch/mm)



## Outdoor Unit Dimension



## Installation Instruction



✓ Meets all spatial requirements shown in Installation Clearance Requirements above.