

SUBMITTAL DATA SHEET

Series Name: Slim Cassette Peak Heat Single Zone
Model Number: SCA18H525ZMI/HSZ18H525ZMO



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)	400.2 / 352.0 / 300.2 / 207.2 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/44/41.5/31/26
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: 45.19/82.89 kg: 20.5/37.6

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant	R454B
Refrigerant Oil Charge(mL)	620
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1765.8
Outdoor Noise Level (dBA)	59.0
Dimension (W×D×H)	inch: 35.04 x 13.46 x 26.50 mm: 890.0×342.0×673.0
Package (W×D×H)	inch: 39.17 x 15.67 x 29.13 mm: 995×398×740
Net/Gross Weight	lbs: 99.87/107.80 kg: 45.3/48.9

EFFICIENCY

Cooling	Heating
SEER2	HSPF2-4
EER2	COP
20.6	12.2
12.5	3.01

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	16700
Min/Max Capacity	5700~19000
Moisture Removal(L/h)	2.05
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	20000
1. @ 47°F Min/Max Capacity	8900~22000
2. @ 17°F Rated	14500
3. @ 5°F Rated: Capacity / COP	17500/1.89
3. @ 5°F Max: Capacity	17500
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	19.00
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	11.7
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1337(550 ~ 1700)
System Power Input @ Heating (W)	1950(850 ~ 1990)
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+Throttle valve
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.43(30)
Max. Height Difference(ft/m)	65.62(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	55.38(1.57)
Additional Charge of Refrigerant(oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

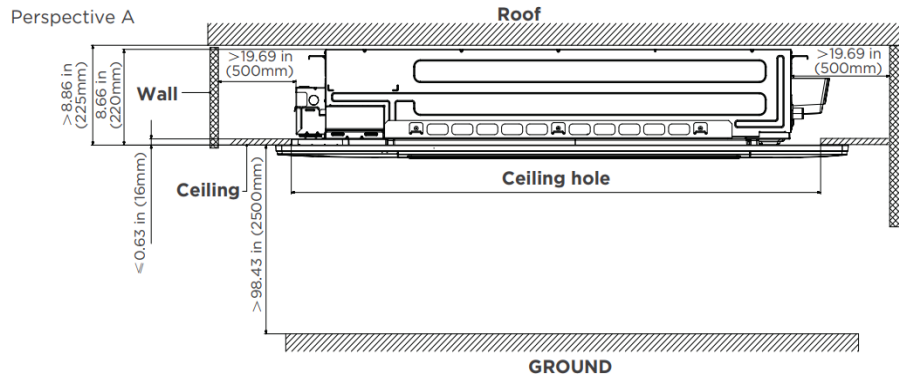
Features

- 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*

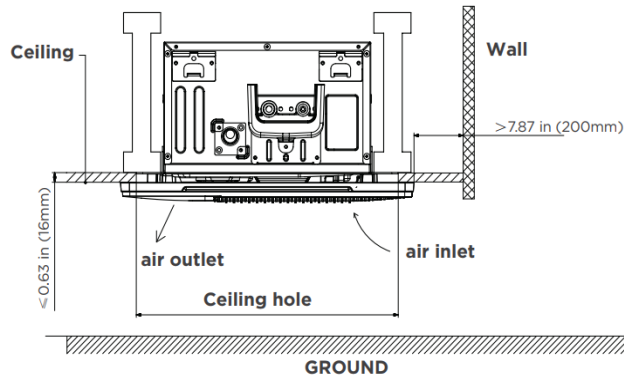
Installation Instruction

Installation place

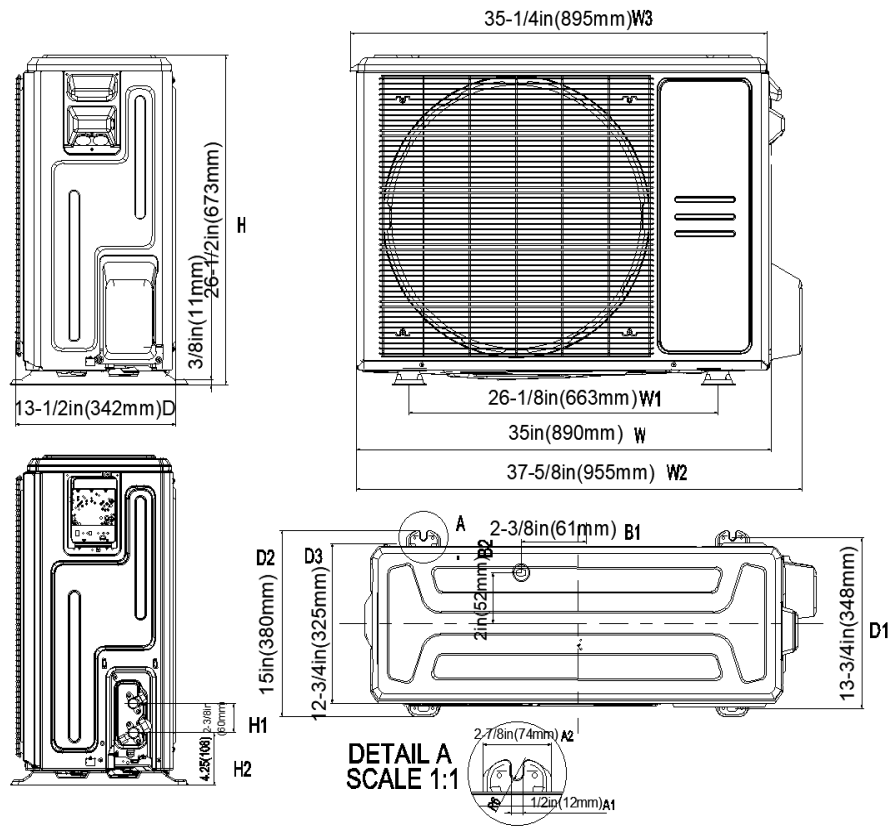
(unit: inch/mm)



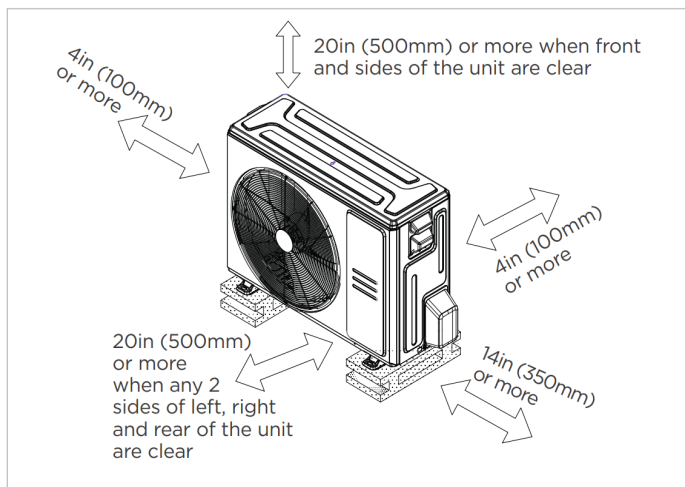
Perspective B



Outdoor Unit Dimension



Installation Instruction



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