

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

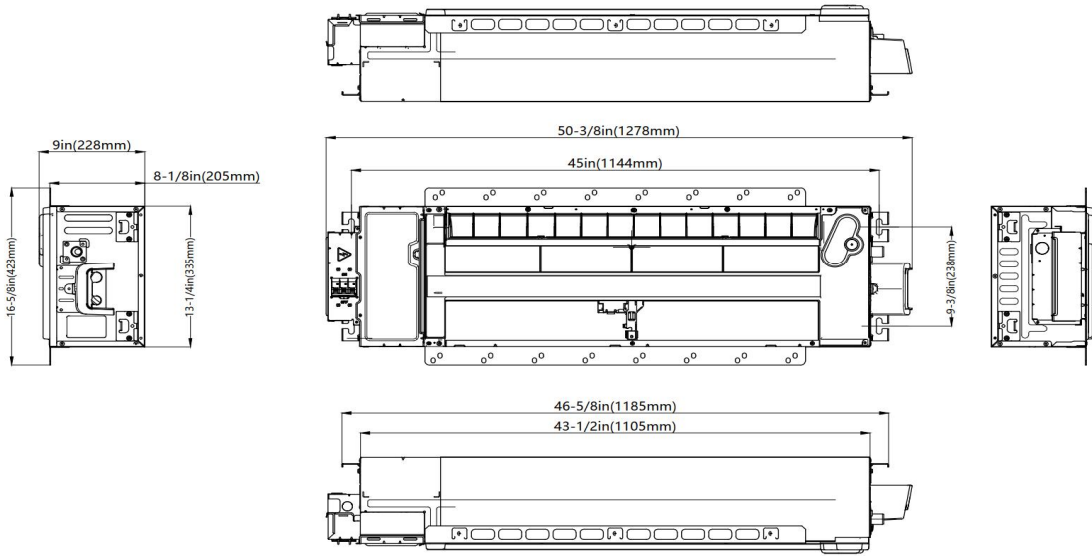
ELECTRICAL

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

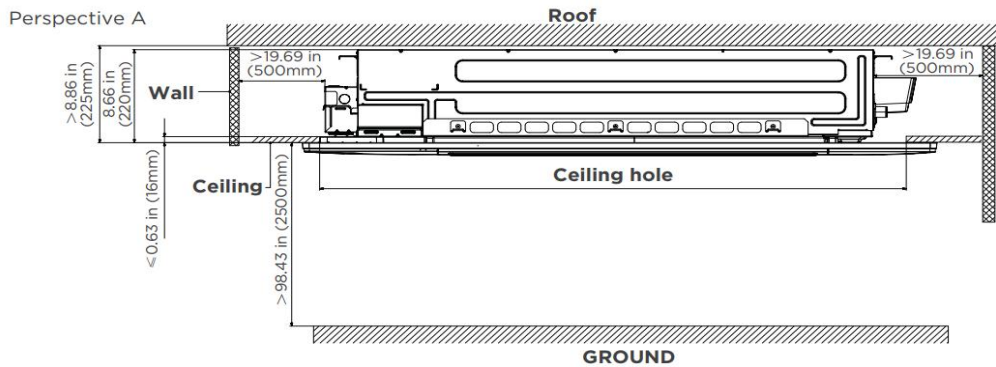
## Indoor Unit Dimension



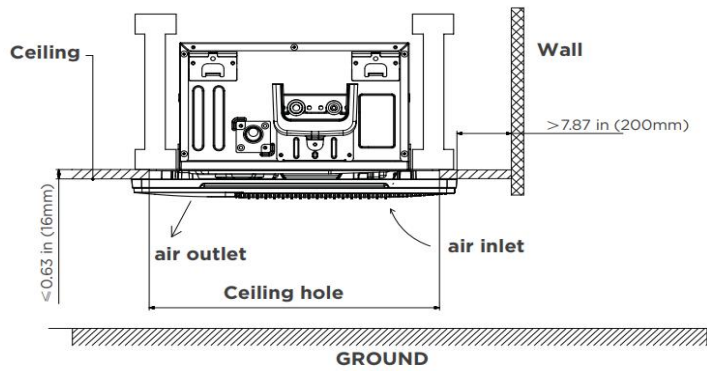
## Installation Instruction

### Installation place

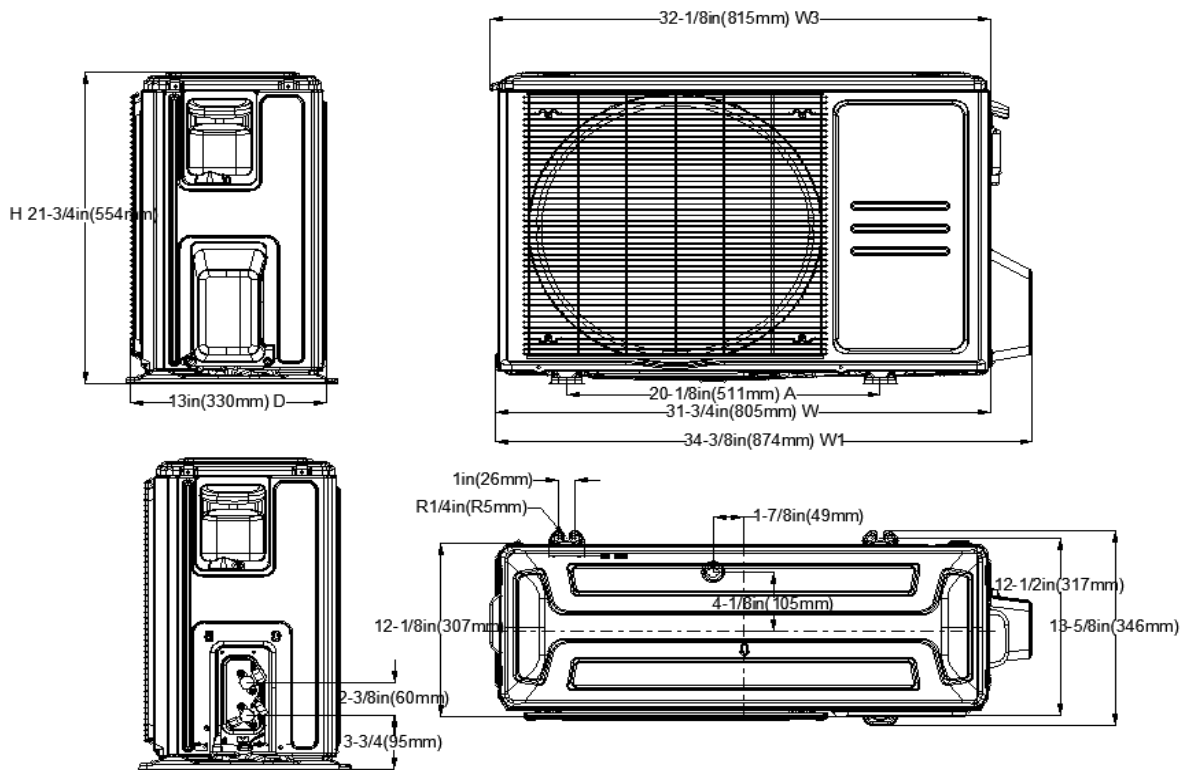
(unit: inch/mm)



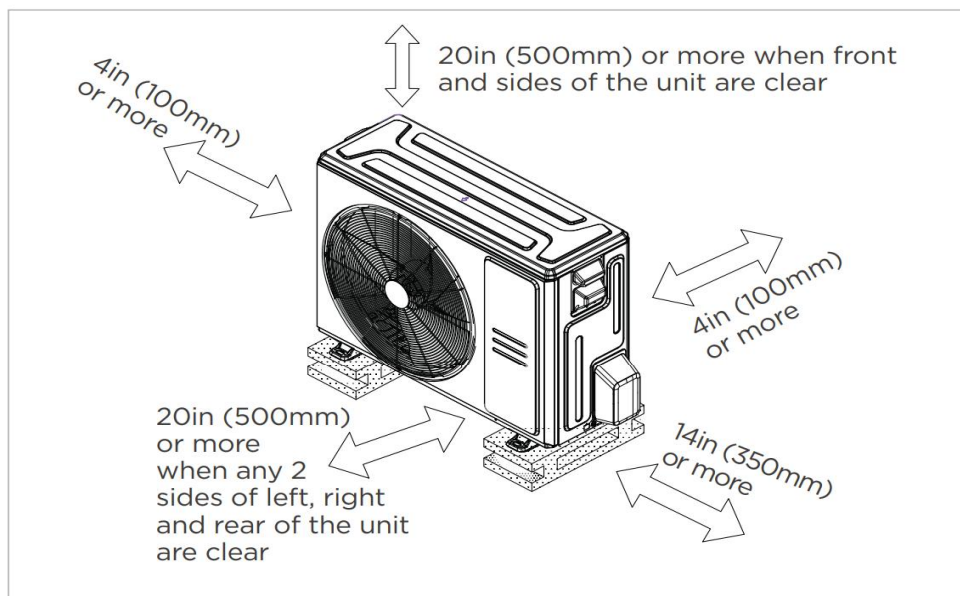
### Perspective B



## Outdoor Unit Dimension



## Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.

## FEATURES

- Designed to fit between both I-joint 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.