

Ceiling&Floor 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)	735.8 / 706.3 / 606.3 / 453.2 / 376.7
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	51.5/49.0/45.0/34.0/29.0
Dimension (W×D×H)	inch 42.05 x 26.57 x 9.25
	mm 1068.0×675.0×235.0
Package (W×D×H)	inch 45.08 x 29.72 x 12.52
	mm 1145×755×318
Net/Gross Weight	lbs 61.29/73.19
	kg 27.8/33.2

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	24.90
Connection Wiring	14#x4
System MOCP	25
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	90.0
System Power Input @ Cooling (W)	1833(980 ~ 2300)
System Power Input @ Heating (W)	2194(630 ~2570)
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	20.4	HSPF2-4	12.1
EER2	12.0	COP	3.34

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	22000
Min/Max Capacity	12700~25600
Moisture Removal(L/h)	2.73
Standard Operating Range(°F/°C)	-22~-122(-30~-50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

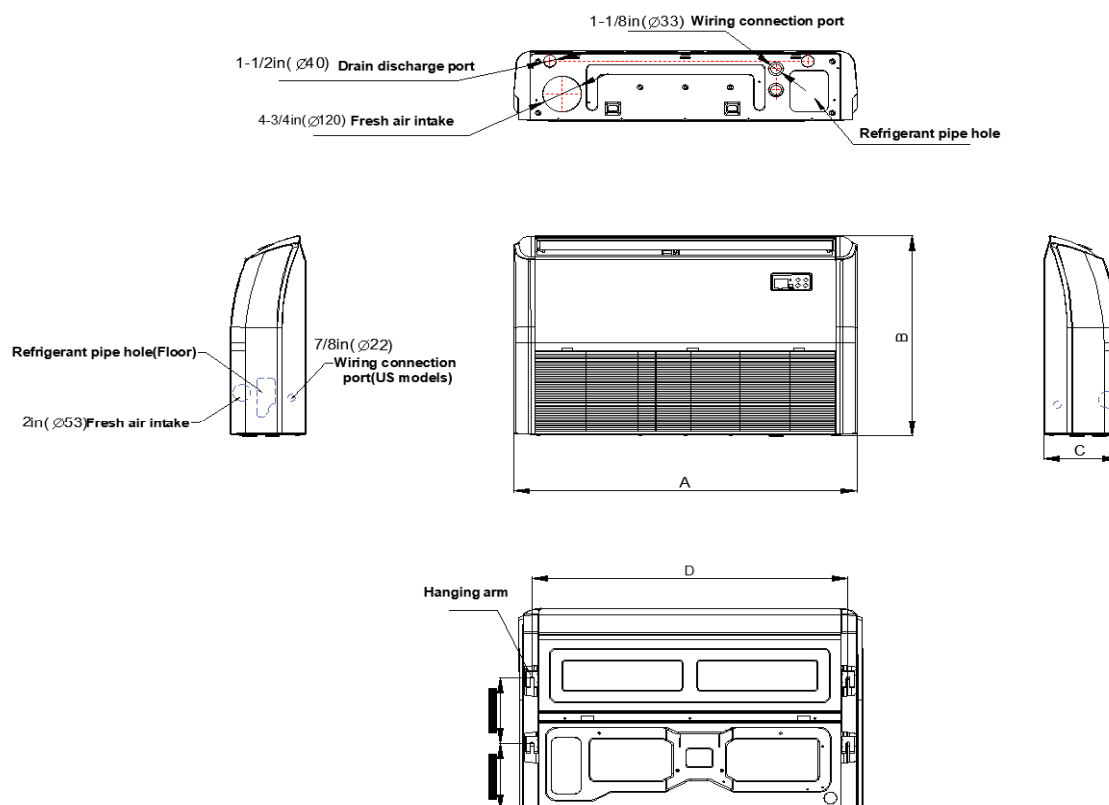
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	26000
1. @ 47°F Min/Max Capacity	11300~29500
2. @ 17°F Rated	20200
3. @ 5°F Rated: Capacity / COP	24200/2.16
3. @ 5°F Max: Capacity	24200
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

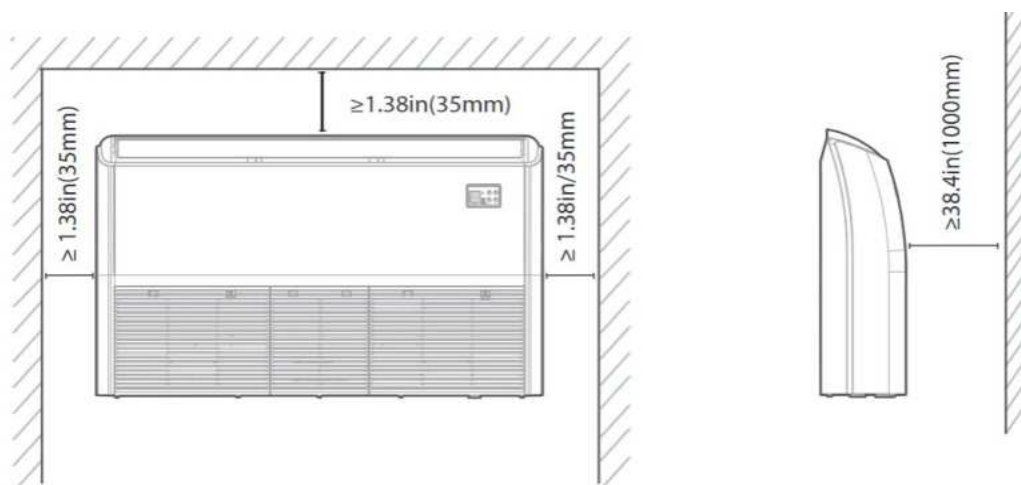
Throttle type(Indoor)	N/A
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	63.49(1.80)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension



Model	A	B	C	D
18K/24K	42in(1068mm)	26-1/2in(675mm)	9-1/4in(235mm)	38-3/4in(983mm)
36K/48K/60K	65in(1650mm)	26-1/2in(675mm)	9-1/4in(235mm)	61-5/8in(1565mm)

Installation Instruction



FEATURES

- 2 Style Installation
- 3D Airflow
- Refrigerant leakage detection sensor
- Humidity sensor
- “88” display tube
- 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
 - Wireless remote controller
 - Third-Party 24V Thermostat

*24V interface is required.