

## Slim Duct 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)	600.4 / 559.2 / 500.3 / 441.4 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/40/39/38/32
Indoor static pressure range	0-0.4
Dimension (W×D×H)	inch 34.65 x 26.54 x 8.27
	mm 880.0×674.0×210.0
Package (W×D×H)	inch 42.13 x 28.54 x 11.02
	mm 1070×725×280
Net/Gross Weight	lbs 54.45/66.14
	kg 24.7/30

## ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	19.00
Connection Wiring	14#x4
System MOCP	20
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	165.0
System Power Input @ Cooling (W)	1420(310 ~ 1750)
System Power Input @ Heating (W)	1650(550 ~ 2250)
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	18.0	HSPF2-4	10.5
EER2	12.0	COP	3.37

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	17000
Min/Max Capacity	6500~18800
Moisture Removal(L/h)	N/A
Standard Operating Range(°F/°C)	-22~122(-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

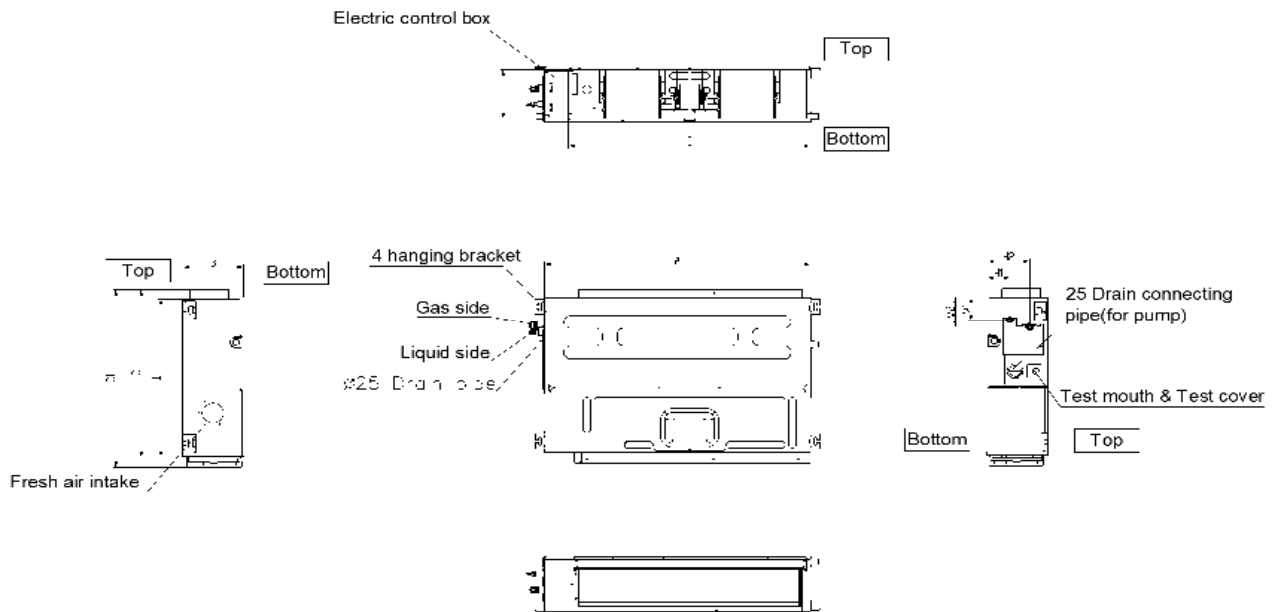
## PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	19000
1. @ 47°F Min/Max Capacity	8900~22000
2. @ 17°F Rated	15000
3. @ 5°F Rated: Capacity / COP	18000/2.00
3. @ 5°F Max: Capacity	18000
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	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(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

## Indoor Unit Dimension

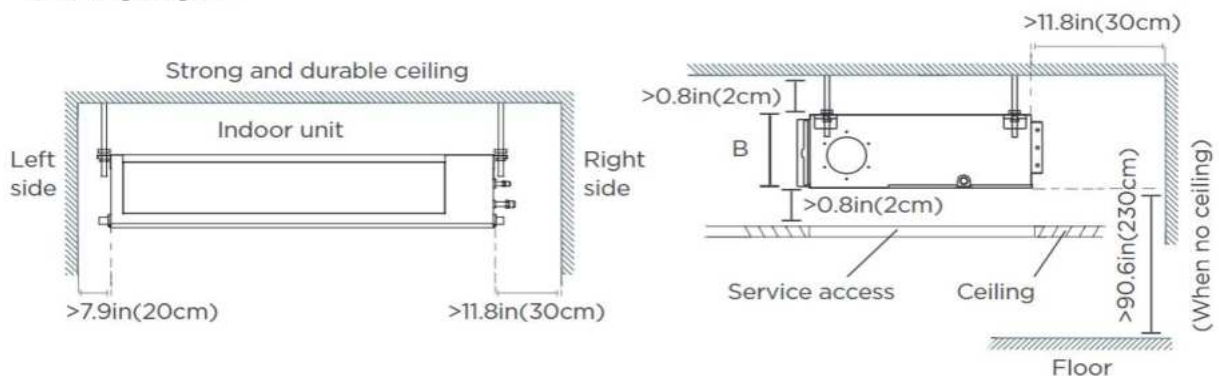


Model(kBtu/h)	unit	A	B	C	C1	D
	mm	700	200	470	506	450
6 -12	in	27-1/2	7-7/8	18-1/2	20	17-3/4
	mm	880	210	634	674	600
18	in	34-5/8	8-1/4	25	26-1/2	23-5/8

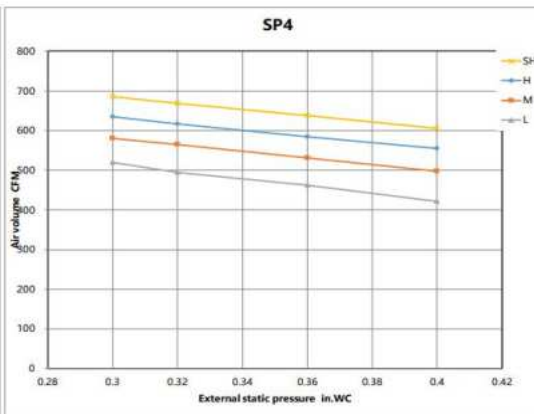
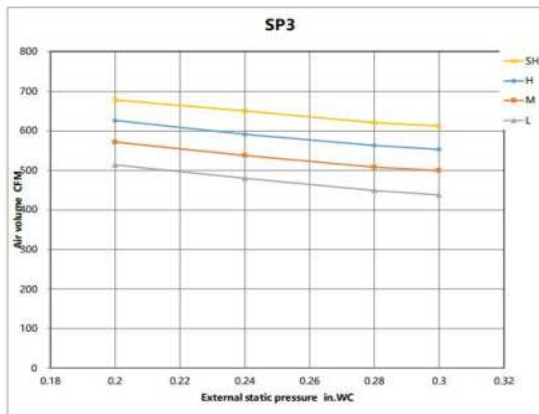
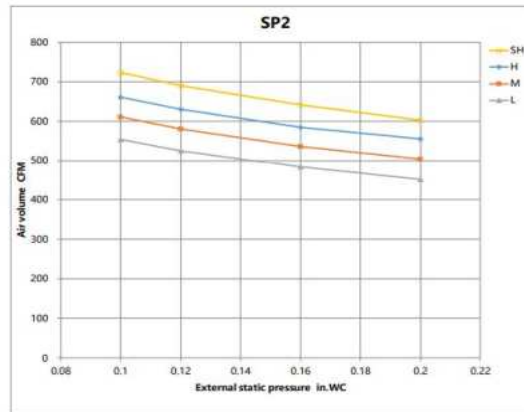
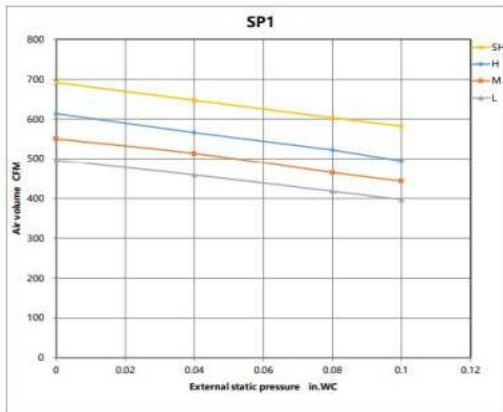
## Installation Instruction

### Installation place

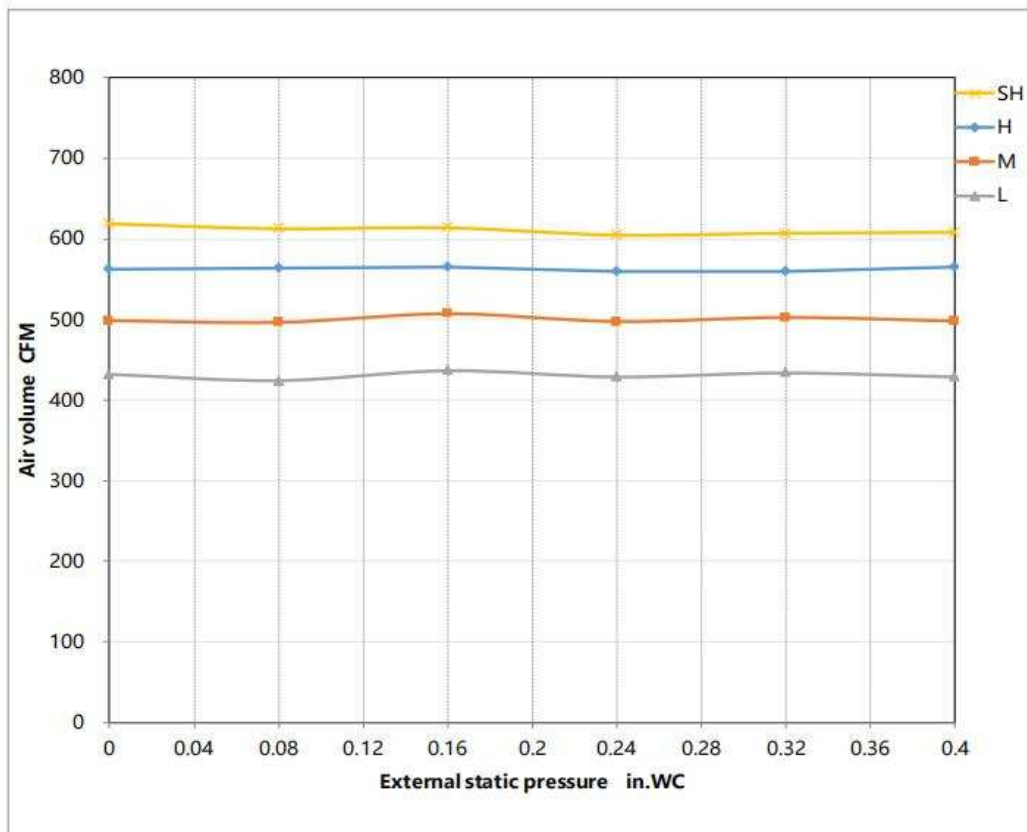
The distance between the mounted indoor unit should meet the specifications illustrated in the following diagram.



## Fan performance



## Constant airflow



## FEATURES

- Compatible with both horizontal and vertical installation(Optional)
- Static pressure setting stages: 4
- Refrigerant leakage detection sensor
- Constant airflow
- Built-in pump
- i-clean
- Fan speed stages: 1~100%
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using wired controller AWC-8P-LC-WIFI)
- 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