

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)	706.3 / 618.0 / 529.7 / 441.4 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/36/34.0/32.0/28.0
Indoor static pressure range(in.w.g.)	0-0.8
Dimension (W×D×H)	inch 39.37 x 29.53 x 9.65 mm 1000.0×750.0×245.0
Package (W×D×H)	inch 48.23 x 33.86 x 11.97 mm 1225×860×304
Net/Gross Weight	lbs 79.81/91.27 kg 36.2/41.4

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	19.00
Connection Wiring	14#x4
System MOCP	20
Indoor Fan Motor RLA	1.8
Indoor Fan Motor W	165.0
System Power Input @ Cooling (W)	1455(530 ~ 1790)
System Power Input @ Heating (W)	1590(340 ~ 1750)
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	18.4	HSPF2-4	11.1
EER2	12	COP	3.60

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	17500
Min/Max Capacity	4000~20600
Moisture Removal(L/h)	1.39
Standard Operating Range(°F/°C)	-22~-122(-30~-50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

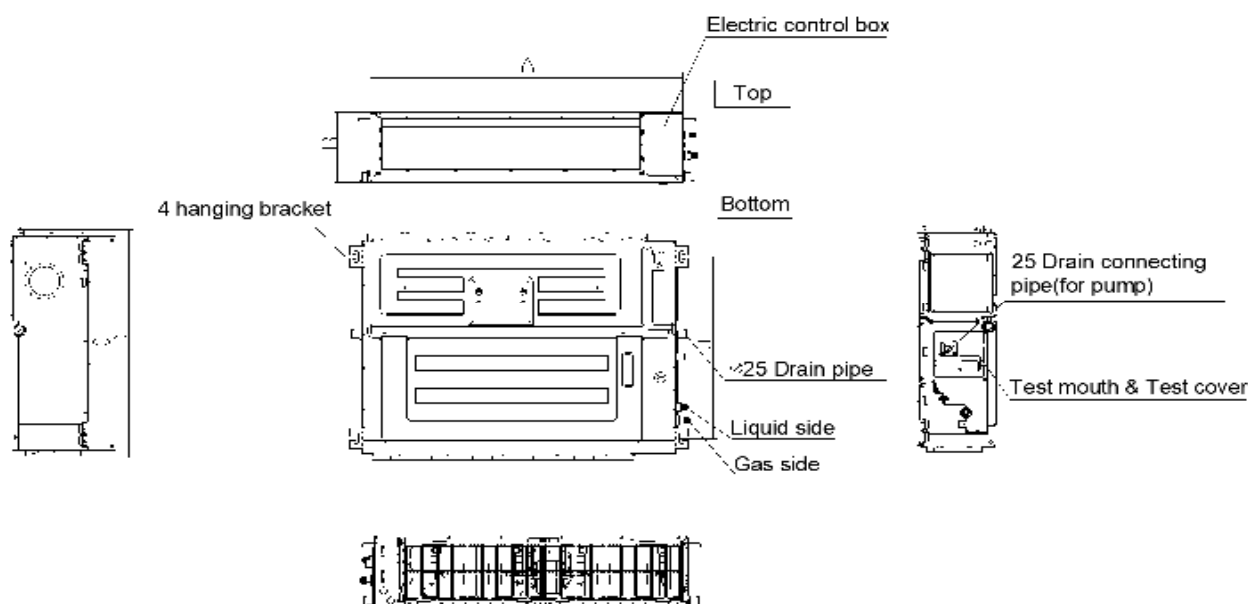
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	19500
1. @ 47°F Min/Max Capacity	5400~23000
2. @ 17°F Rated	15000
3. @ 5°F Rated: Capacity / COP	18000/2.10
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



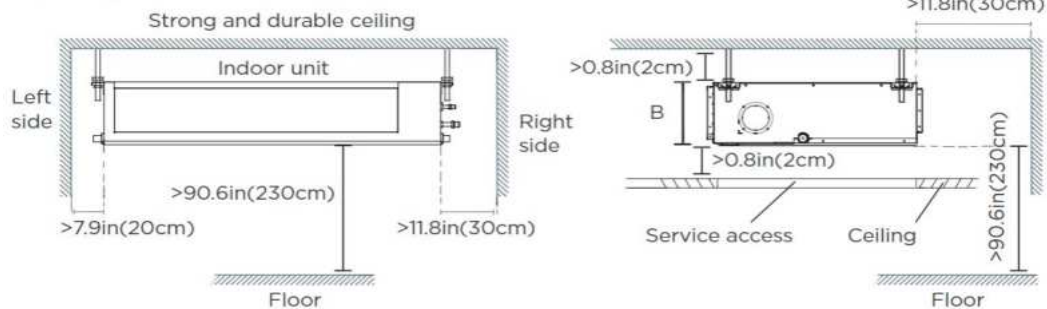
MODEL	A	B	C	D
5K	21-1/2" (500mm)	7-1/8" (200mm)	7-3/4" (450mm)	20in (506mm)
12K	27-1/2" (700mm)	9-5/8" (245mm)	29-1/2" (750mm)	31-1/4" (795mm)
18K~24K	39-3/8" (1000mm)	9-5/8" (245mm)	29-1/2" (750mm)	31-1/4" (795mm)
36K~48K	41-1/8" (1050mm)	11-1/8" (300mm)	29-1/2" (750mm)	31-1/4" (795mm)
60K	55-7/8" (1400mm)	15in (380mm)	31-7/8" (800mm)	33-1/4" (845mm)

Installation Instruction

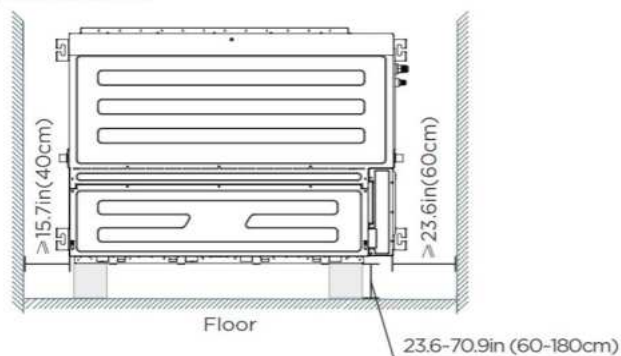
Installation place

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

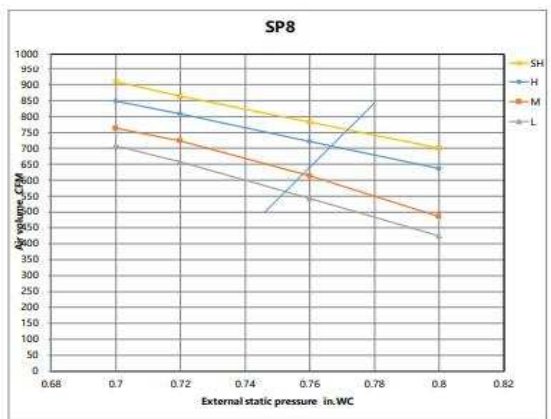
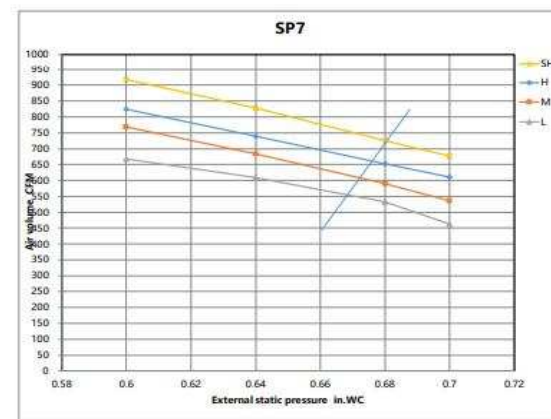
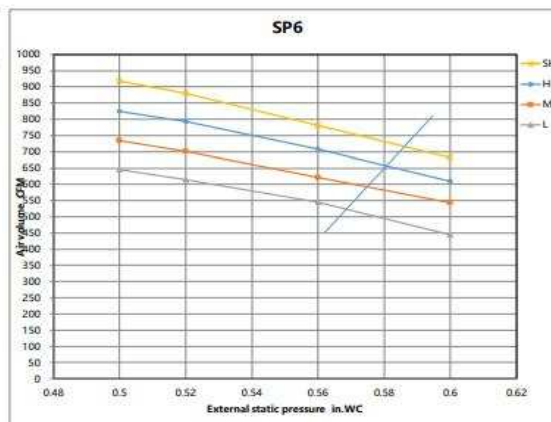
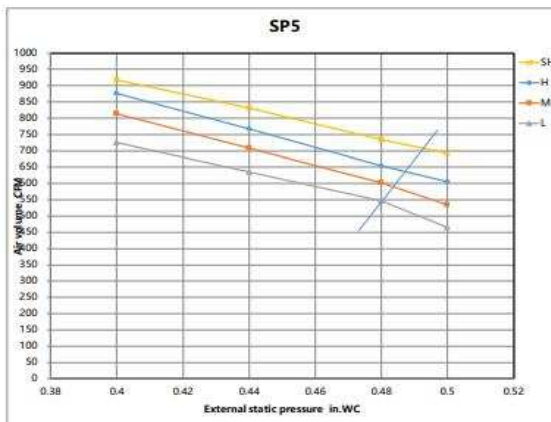
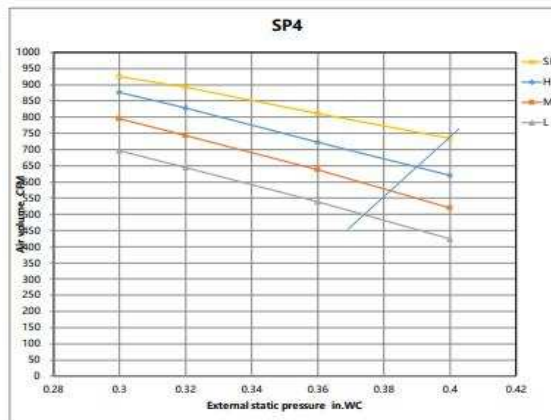
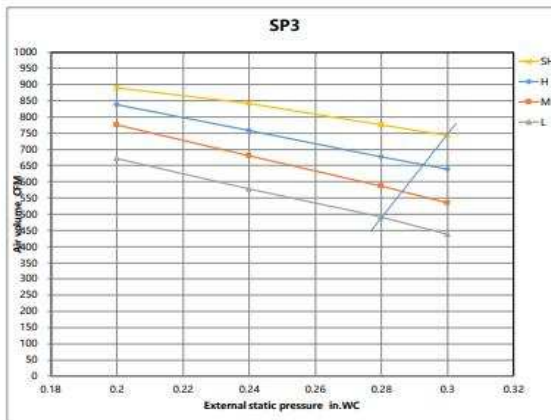
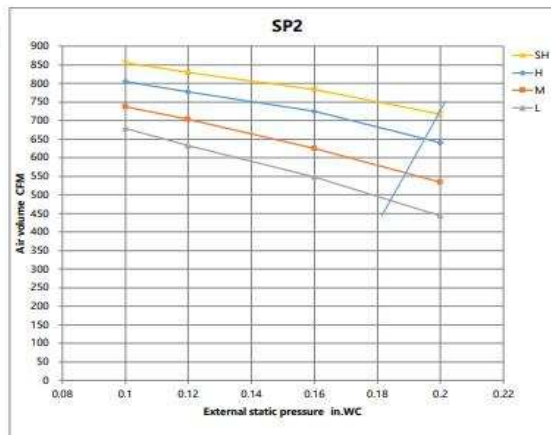
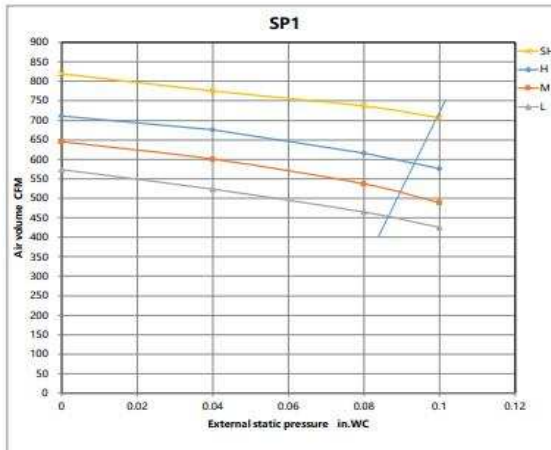
1) Ceiling-mounted



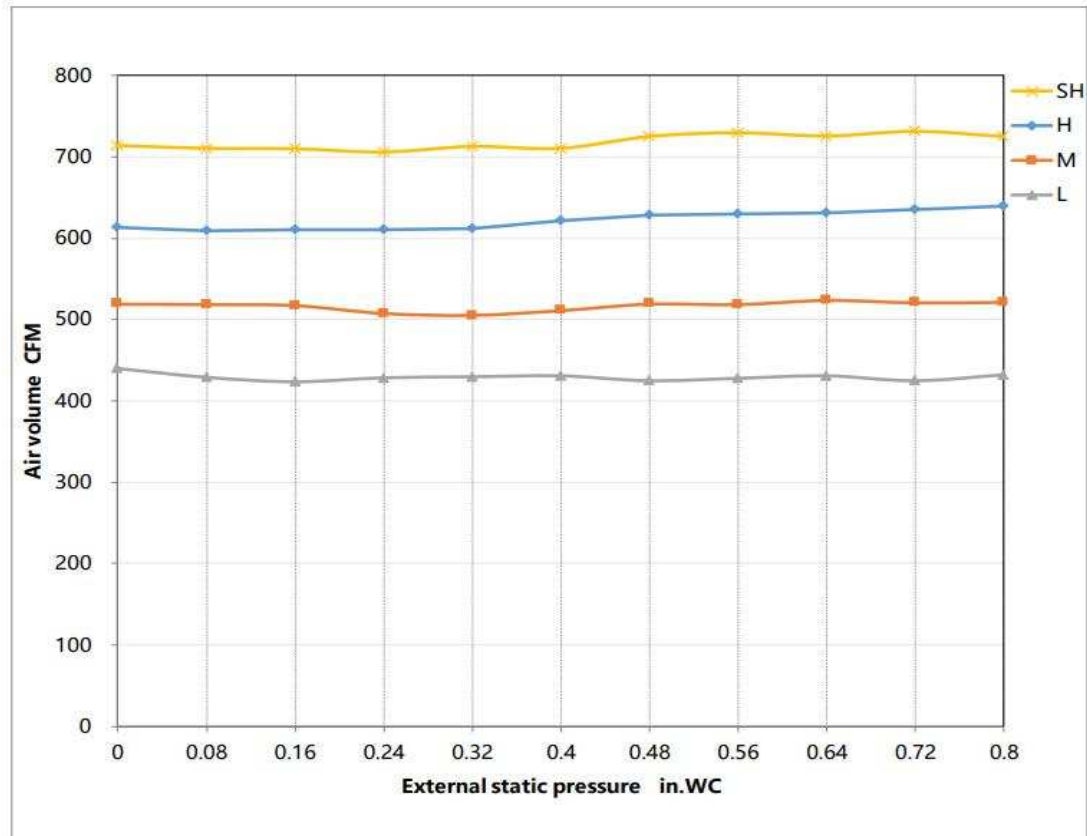
2) Wall-mounted



Fan performance



Constant air volume



FEATURES

- Compatible with both horizontal and vertical installation
- Static pressure up to 0.8 in.w.g(for all models)
- Static pressure setting stages: 8
- Refrigerant leakage detection sensor
- Constant airflow
- Built-in pump
- i-clean
- Fan speed stages: 1~100%
- WiFi capability: through 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

*24V interface is required.