

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)	323.7 / 264.9 / 206.0 / 147.2 / 117.7
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/32.5/30.5/29.5/22
Indoor static pressure range (in.w.g.)	0-0.4
Dimension (W×D×H)	inch 27.56 x 19.92 x 7.87
	mm 700.0×506.0×200.0
Package (W×D×H)	inch 33.86 x 21.26 x 11.22
	mm 860×540×285
Net/Gross Weight	lbs 39.46/46.74
	kg 17.9/21.2

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	12.00
Connection Wiring	14#x4
System MOCP	15
Indoor Fan Motor RLA	1.2
Indoor Fan Motor W	81.0
System Power Input @ Cooling (W)	448(140 ~ 980)
System Power Input @ Heating (W)	585(240 ~ 1050)
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	21.4	HSPF2-4	13.8
EER2	14.4	COP	4.01

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	6500
Min/Max Capacity	3300~11800
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

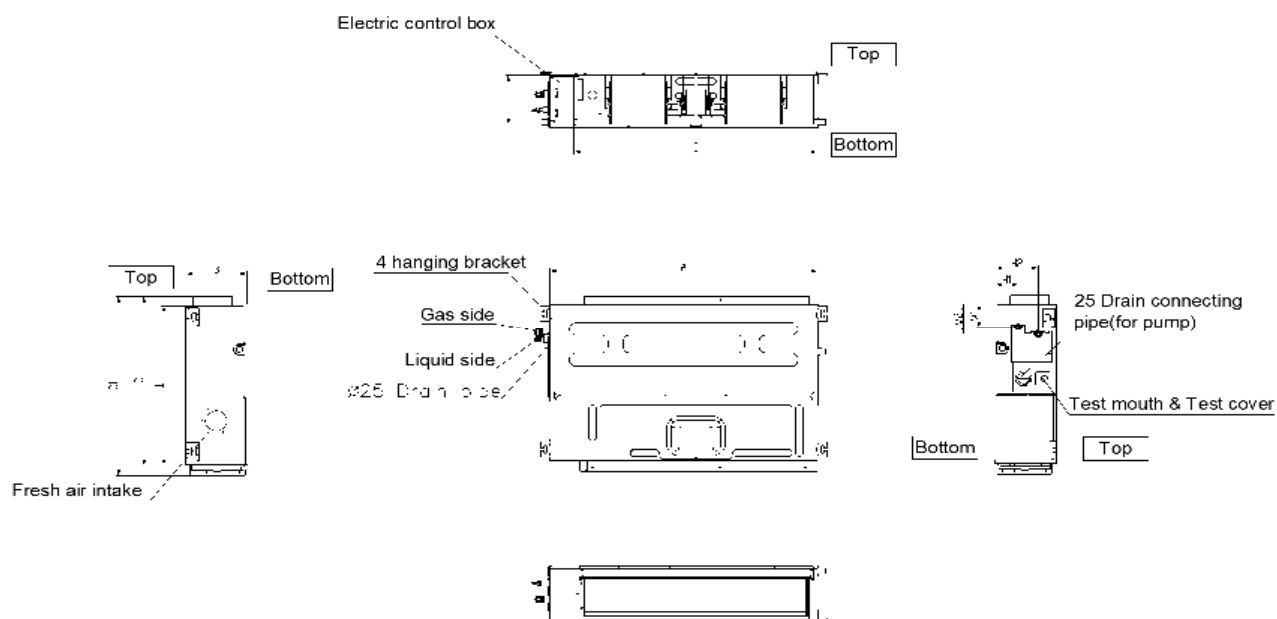
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	8000
1. @ 47°F Min/Max Capacity	3700~13100
2. @ 17°F Rated	8000
3. @ 5°F Rated: Capacity / COP	7800/2.40
3. @ 5°F Max: Capacity	7800
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	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	32.80(10)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Indoor Unit Dimension

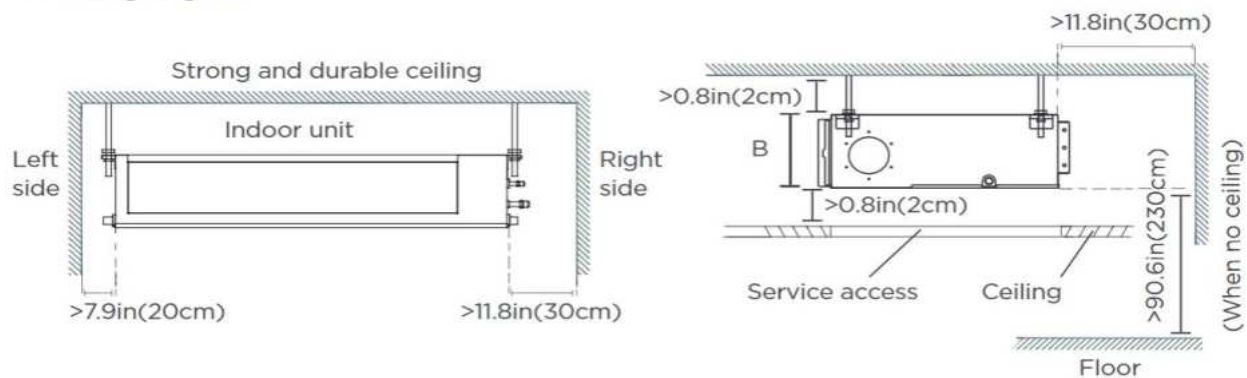


Model(kBtu/h)	unit	A	B	C	C1	D
6 -12	mm	700	200	470	506	450
	in	27-1/2	7-7/8	18-1/2	20	17-3/4
18	mm	880	210	634	674	600
	in	34-5/8	8-1/4	25	26-1/2	23-5/8

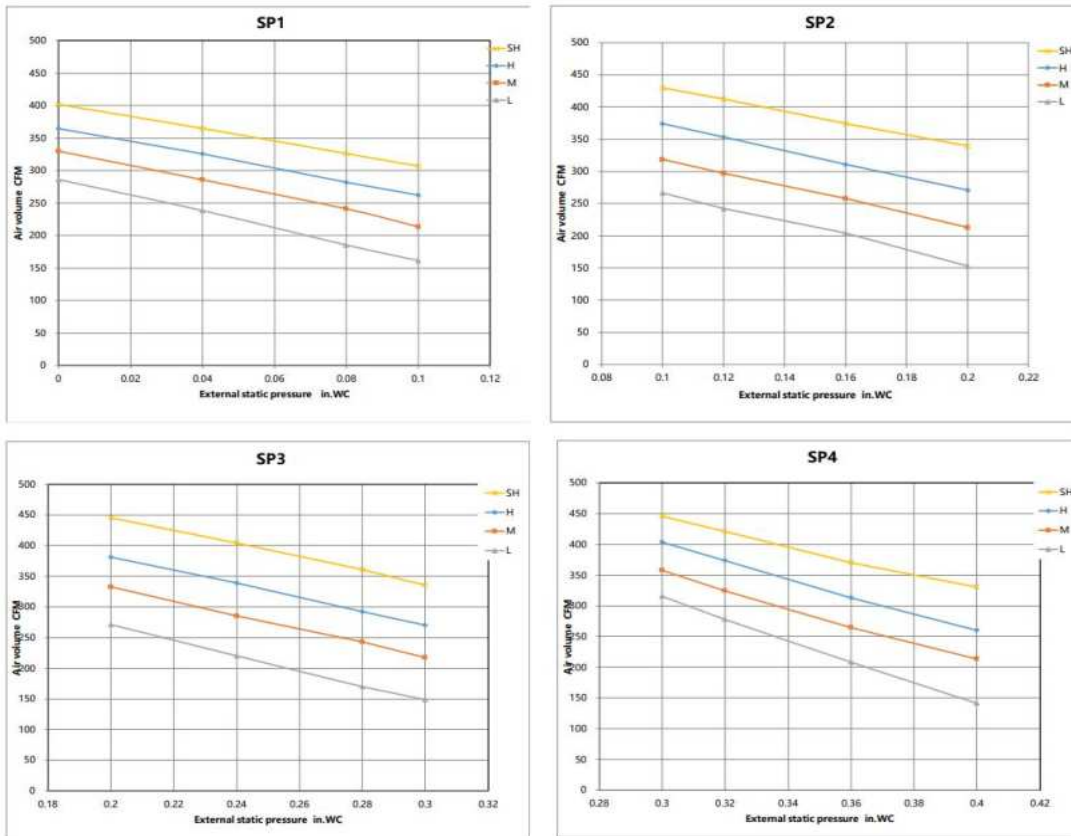
Installation Instruction

Installation place

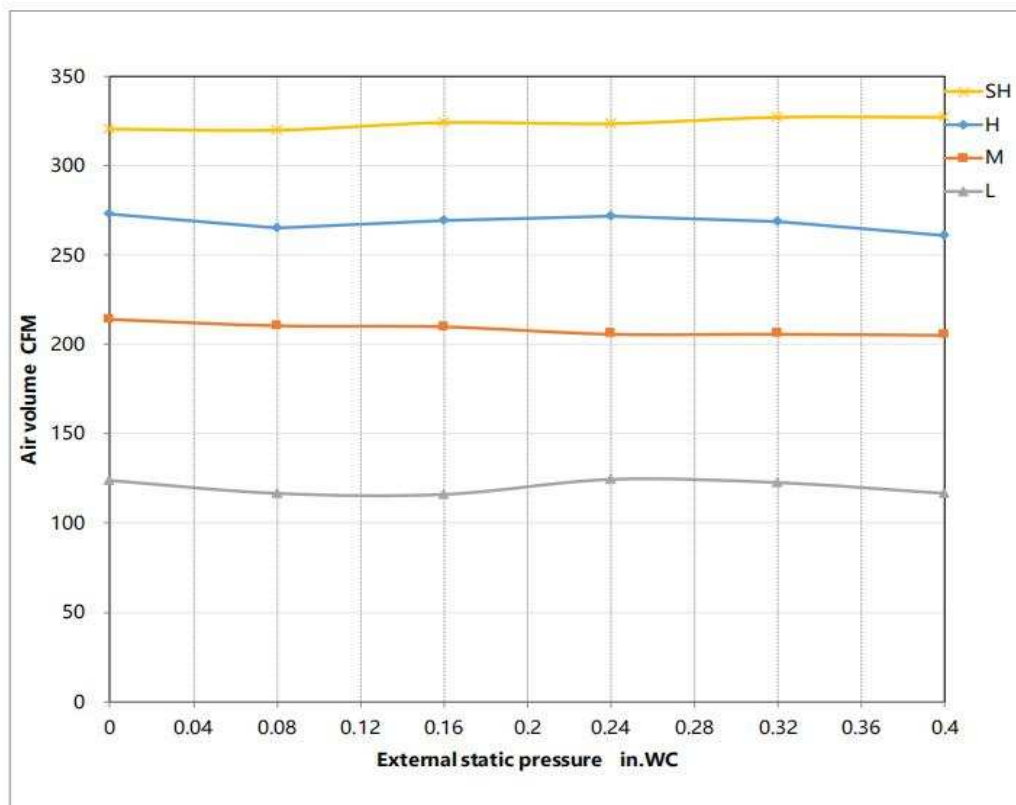
The distance between the mounted indoor unit should meet the specifications illustrated in the following diagram.



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