

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) | 400.2 / 323.7 / 264.9 / 176.6 / 117.7 |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | N/A/36/34.5/32.5/25.5 |
| Indoor static pressure range | 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 | 15.00 |
| Connection Wiring | 14#x4 |
| System MOCP | 15 |
| Indoor Fan Motor RLA | 1.2 |
| Indoor Fan Motor W | 81.0 |
| System Power Input @ Cooling (W) | 1000(145 ~ 1200) |
| System Power Input @ Heating (W) | 1080(260 ~ 1450) |
| 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 | 20.0 | HSPF2-4 | 10.0 |
| EER2 | 12.0 | COP | 3.39 |

PERFORMANCE of Cooling

| Cooling (Btu/hr) | |
|---------------------------------|---|
| Rated Capacity | 12000 |
| Min/Max Capacity | 3400~13500 |
| 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 |

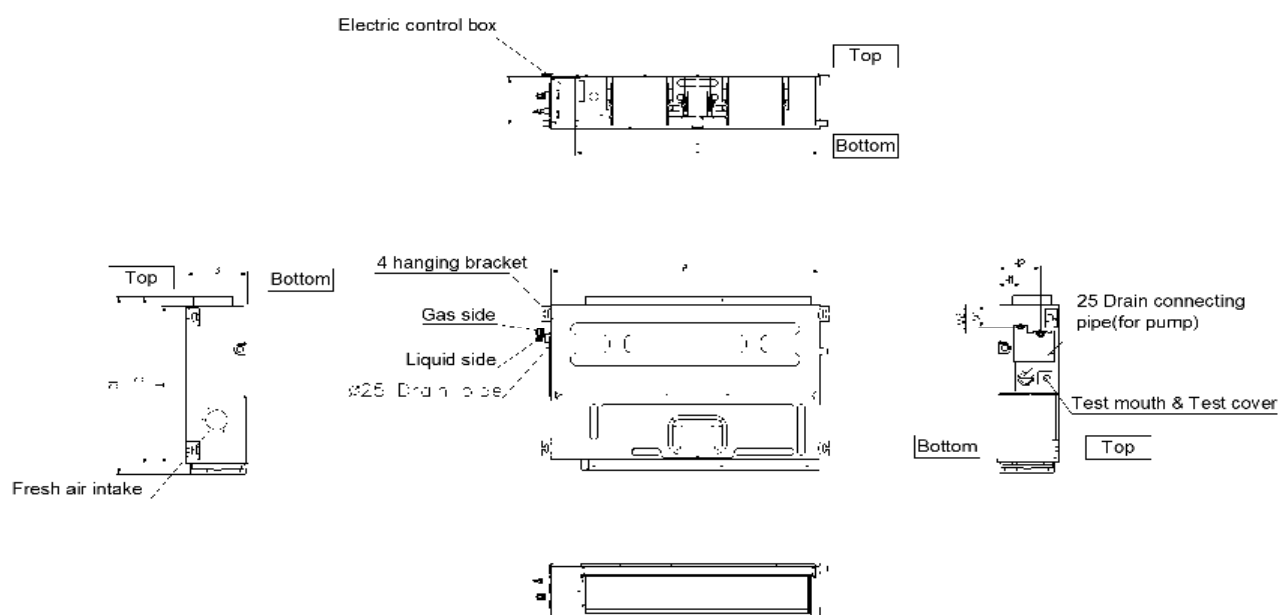
PERFORMANCE of Heating

| Heating (Btu/hr) | |
|---------------------------------|---|
| 1. @ 47°F Rated | 12500 |
| 1. @ 47°F Min/Max Capacity | 3800~16200 |
| 2. @ 17°F Rated | 9600 |
| 3. @ 5°F Rated: Capacity / COP | 11800/1.90 |
| 3. @ 5°F Max: Capacity | 11800 |
| 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) | 35.27(1.00) |
| Additional Charge of Refrigerant((oz/ft)/(g/m)) | 0.16(15) |
| Connection Method | Flared |
| | |
| | |

Indoor Unit Dimension

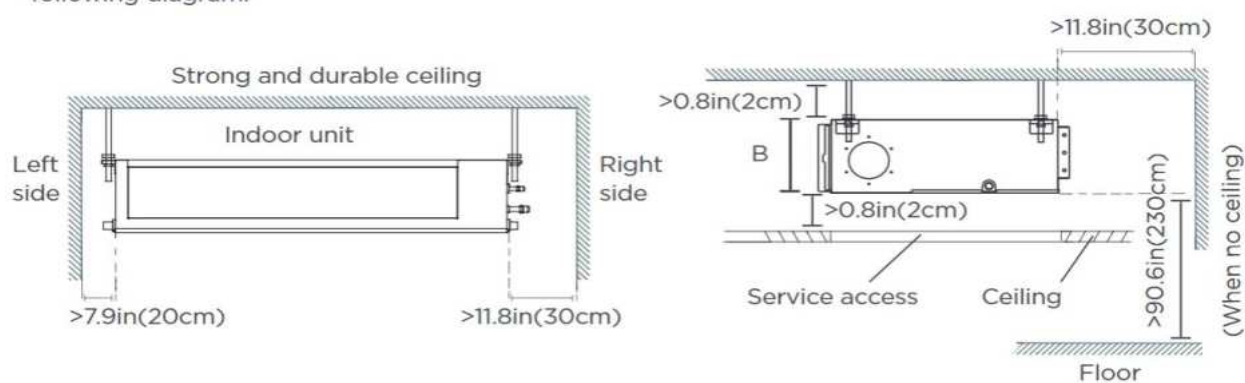


| Model(kBtu/h) | unit | A | B | C | C1 | D |
|---------------|------|--------|-------|--------|--------|--------|
| 6 -12 | mm | 700 | 200 | 470 | 506 | 450 |
| | in | 27-1/2 | 7-7/8 | 18-1/2 | 20 | 17-3/4 |
| 18 | mm | 880 | 210 | 634 | 674 | 600 |
| | in | 34-5/8 | 8-1/4 | 25 | 26-1/2 | 23-5/8 |

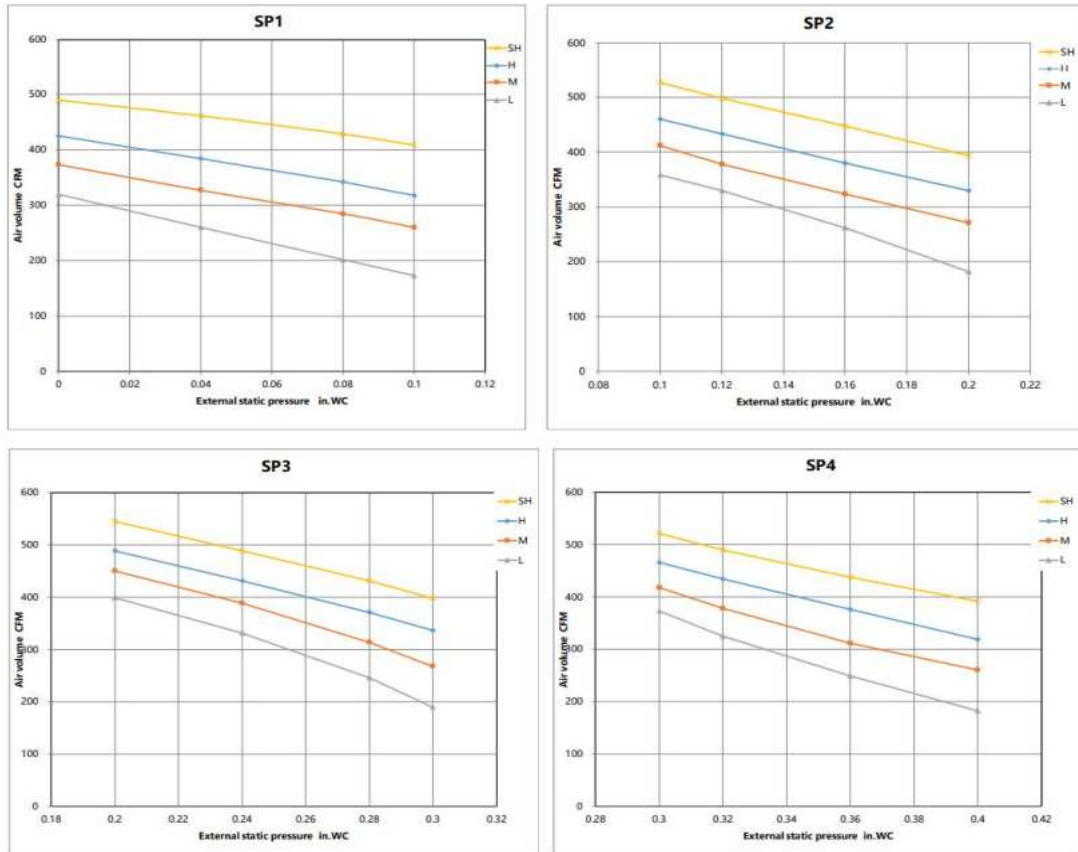
Installation Instruction

Installation place

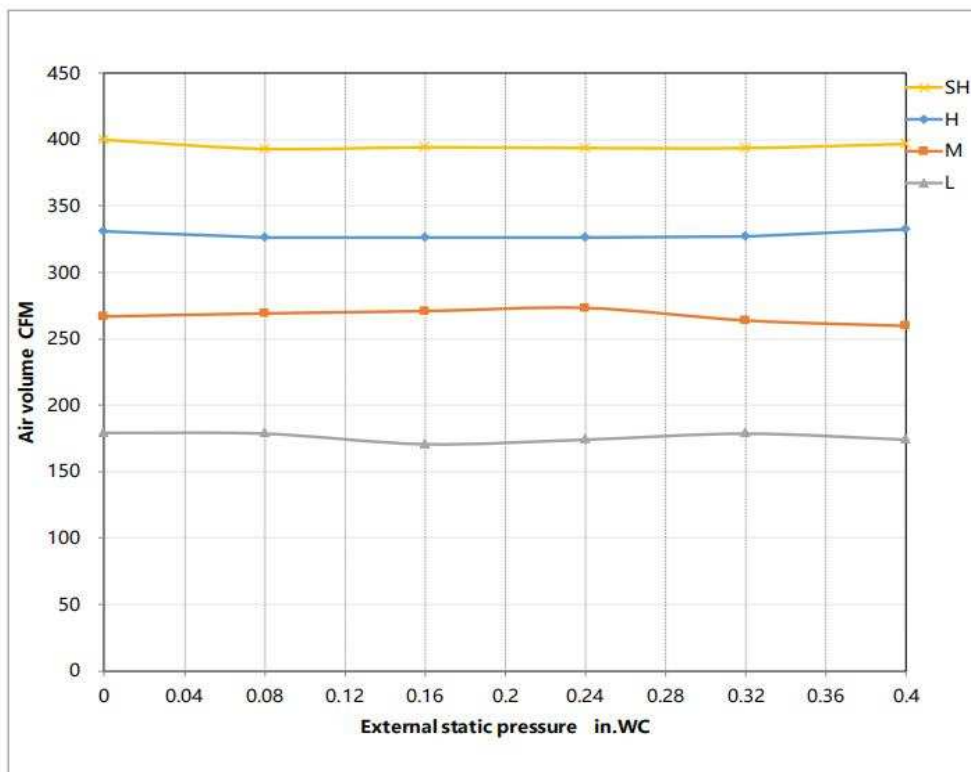
The distance between the mounted indoor unit should meet the specifications illustrated in the following diagram.



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