# VRF Indoor Unit

**MIH280T1HN18 – High Static Pressure Duct**

1-phase, 220-240V, 50/60Hz

## Submittal Data

**Job name:** _____ **Location:** _____

**Tag:** _____ **Date:** _____

**MIH280T1HN18 Features:**

- High efficiency DC fan motor
- 20-step static pressure control (requires latest generation wired controllers)
- External static pressure can be up to 400Pa
- 7-speed fan control
- Built-in EXV
- A double-skin drainage pan provides double protection for ceilings

**Specifications:**

| Model | | | MIH280T1HN18 |
|---|---|---|---|
| Cooling[1] | Capacity | kW | 28.0 |
| | | kBtu/h | 95.6 |
| | Power input | W | 780 |
| Heating[2] | Capacity | kW | 31.5 |
| | | kBtu/h | 107.5 |
| | Power input | W | 780 |
| Air flow rate[3] | | $m^3/h$ | 4700/4387/4073/3760/3447/3133/2820 |
| External static pressure | | Pa | 200(0-400) |
| Sound pressure level[4] | | dB(A) | 51/50/48/46/44/43/42 |
| Net dimensions[5] (W×H×D) | | mm | 1300×580×900 |
| Packed dimensions (W×H×D) | | mm | 1530×730×1060 |
| Net/Gross weight | | kg | 125/150 |
| Pipe connections | Liquid/Gas pipe | mm | Φ12.7/Φ22.2 |
| | Drain pipe | mm | ODΦ32 |
| Minimum Circuit Amps (MCA) | | A | 8.19 |
| Recommended Fuse Size (MFA) | | A | 30 |

Notes:

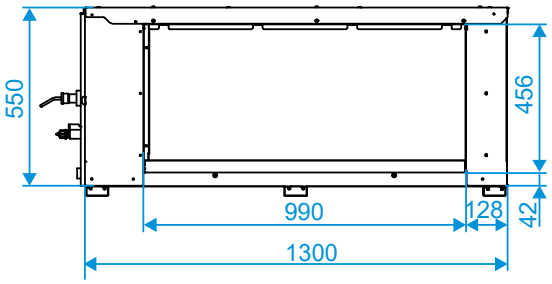
1. Indoor temperature 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

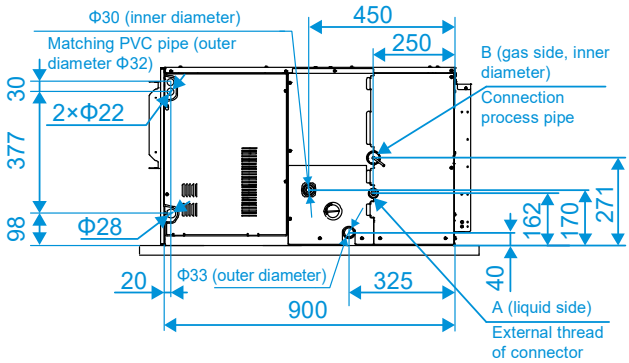
**Dimensional Drawing:**

Unit (mm)

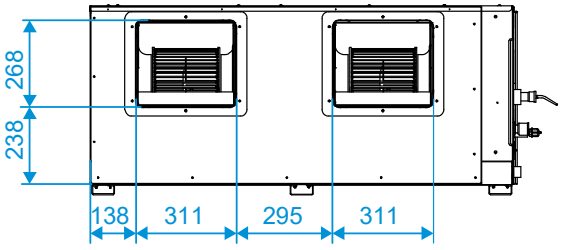
| Capacity (kW) | A | B |
|---|---|---|
| 20.0≤kW≤22.4 | 5/8-18 UNF | Φ19.1 |
| 22.4<kW≤28 | 3/4-16 UNF | Φ22.2 |
| 28<kW≤33.5 | 3/4-16 UNF | Φ25.4 |

Appearance and dimensions of the air inlets, piping, drain pipes, power cable hole and communication wire hole:

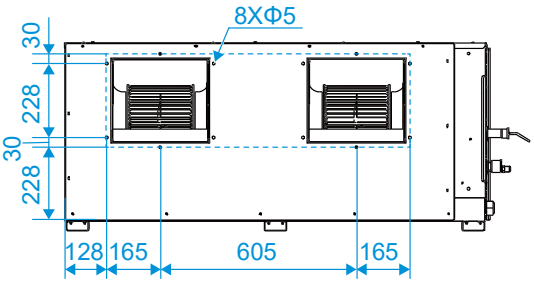



Dimensions of the air outlets:




Dimensions of the air duct installation hole after the air outlet flange is removed:




Dimensions of lugs and the screw hole of air outet/inlet flange: