

## VRF Indoor Unit

### MIH18T2MN10 – Medium Static Pressure Duct

1-phase, 208/230V, 60Hz



## Submittal Data

Job name: \_\_\_\_\_

Location: \_\_\_\_\_

Tag: \_\_\_\_\_

Date: \_\_\_\_\_



#### MIH18T2MN10 Features:

- ◆ High efficiency DC fan motor
- ◆ 6-step static pressure control (requires latest generation wired controllers)
- ◆ 7-speed fan control
- ◆ Fresh air intake
- ◆ High-lift drain pump with 47-1/4in. pump head
- ◆ Built-in EXV
- ◆ Flexible installation for the air inlet may be positioned either on the underside or the rear of the unit

#### Specifications:

| Model                               |                 |        | MIH18T2MN10                      |
|-------------------------------------|-----------------|--------|----------------------------------|
| Cooling <sup>1</sup>                | Capacity        | kW     | 5.6                              |
|                                     |                 | kBtu/h | 19                               |
|                                     | Power input     | W      | 101                              |
| Heating <sup>2</sup>                | Capacity        | kW     | 6.2                              |
|                                     |                 | kBtu/h | 21                               |
|                                     | Power input     | W      | 101                              |
| Air flow rate <sup>3</sup>          |                 | cfm    | 624/592/560/528/496/464/432      |
| External static pressure            |                 | in.wg  | 0.2(0-0.64)                      |
| Sound pressure level <sup>4</sup>   |                 | dB(A)  | 40.5/39.7/38.6/37.3/36/34.9/33.7 |
| Net dimensions <sup>5</sup> (W×H×D) |                 | In.    | 44-11/16×9-5/8×31-7/8            |
| Packed dimensions (W×H×D)           |                 | In.    | 51-9/16×12-13/16×38-3/4          |
| Net/Gross weight                    |                 | lbs    | 94.8/114.2                       |
| Pipe connections                    | Liquid/Gas pipe | In.    | Φ3/8/Φ5/8                        |
|                                     | Drain pipe      | In.    | OD Φ1                            |
| Minimum Circuit Amps (MCA)          |                 | A      | 2.72                             |
| Recommended Fuse Size (MFA)         |                 | A      | 15                               |

#### Notes:

1. Indoor temperature 80°F DB, 67°F WB; outdoor temperature 95°F WB, 75°F DB; equivalent refrigerant piping length 295-1/4in. with zero level difference.
2. Indoor temperature 70°F DB, 60°F WB; outdoor temperature 47°F DB, 43°F WB; equivalent refrigerant piping length 295-1/4in. 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 59-1/16in. below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

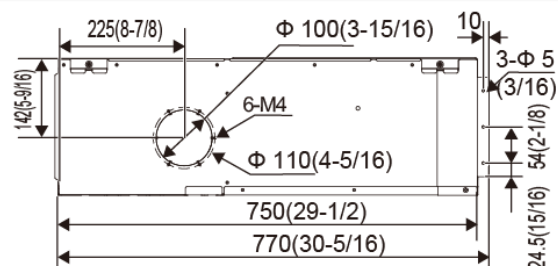
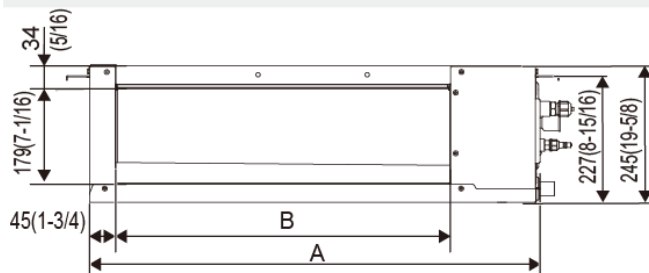
## Dimensional Drawing:

Unit (in.)

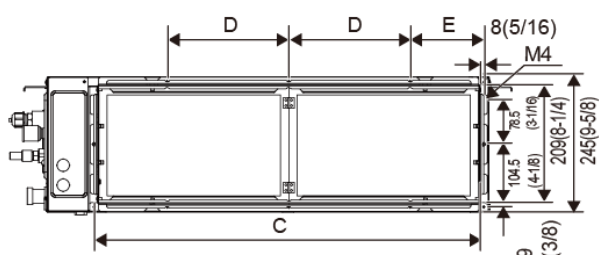
### Product dimensions

Unit: mm(in)

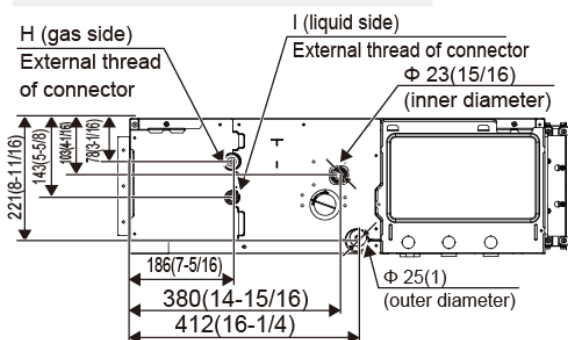
External dimension, air outlet size, and size of fresh air outlet:



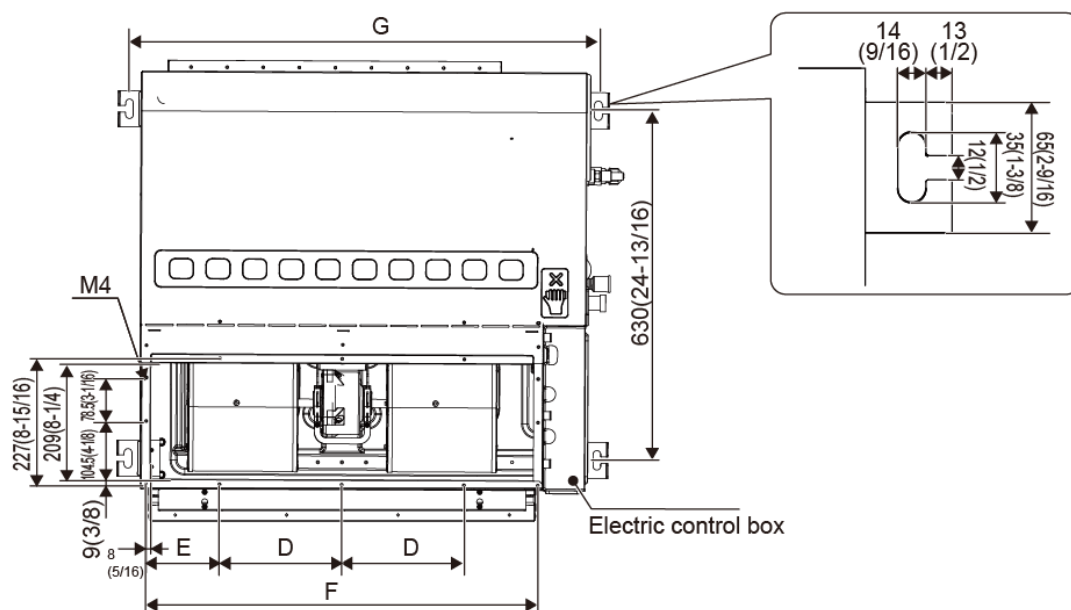
Size of return air inlet (back return air mode):



Dimension of pipe and water pipe:



Size of return air inlet (bottom return air mode), and the distance between the lugs:



| Capacity (kBtu/h) | A              | B             | C               | D            | E          | F              | G             | H          | I           |
|-------------------|----------------|---------------|-----------------|--------------|------------|----------------|---------------|------------|-------------|
| kBtu/h ≤ 9        | 600(23-5/8)    | 400(15-3/4)   | 490(19-5/16)    | 87.5(3-7/16) | 165(6-1/2) | 506(19-15/16)  | 645(25-3/8)   | 3/4-16 UNF | 7/16-20 UNF |
| 9 < kBtu/h ≤ 12   | 800(31-1/2)    | 600(23-5/8)   | 690(27-3/16)    | 220(8-11/16) | 134(5-1/4) | 706(27-13/16)  | 845(33-1/4)   | 7/8-14 UNF | 5/8-18 UNF  |
| 12 < kBtu/h ≤ 24  | 1 050(41-5/16) | 850(33-7/16)  | 940(37)         | 220(8-11/16) | 146(5-3/4) | 956(37-5/8)    | 1 095(43-1/8) | 7/8-14 UNF | 5/8-18 UNF  |
| 24 < kBtu/h ≤ 48  | 1 400(55-1/8)  | 1 200(47-1/4) | 1 290(50-13/16) | 220(8-11/16) | 213(8-3/8) | 1 306(51-7/16) | 1 445(56-7/8) | 7/8-14 UNF | 5/8-18 UNF  |