

VRF Indoor Unit Low Static Pressure Duct

208/230V, 1Ph, 60Hz
Model: MIH07T3MN10

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

Submittal Data Sheet

VRF Indoor Unit
Low Static Pressure Duct
Capacity: 7kBtu/h



Unit Performance and Data:

Model			MIH07T3MN10
Performance			
Cooling ¹	Capacity	Btu/h	7000
	Input	W	30
Heating ²	Capacity	Btu/h	8000
	Input	W	30
Electrical			
Power supply		V/Ph/Hz	208/230/1/60
MCA		A	1.13
MOP		A	15
Unit Data			
Air Flow Rate ³		CFM	325/300/275/250/225/200/175
External static pressure (default (setting range))	in. wg		0.04 (0-0.2)
	Pa		10 (0-50)
Sound Pressure ⁴		dB (A)	32/30/28.5/27.5/26.5/25.5/25
Dimension ⁵ (W×H×D)	Net dimensions	inch	21-5/8×7-13/16×18-1/2
		mm	550×199×470
	Packed dimensions	inch	31-11/16×10-13/16×24-3/16
		mm	805×275×615
Weight	Net weight	lbs	27.6
		kg	12.52
	Gross weight	lbs	38.6
		kg	17.5
Pipe connections	Liquid/gas pipe	inch	Φ1/4/Φ1/2
		mm	Φ6.35/Φ12.7
	Drain pipe	inch	OD Φ1
		mm	OD Φ25

Notes:

- 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.
- 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.
- Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 55-1/8in. below the unit in a semi-anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

Static pressure setting:

Level	00	01	02	03	04-19
Static pressure (in. wg (Pa))	0.04 (10)	0.08 (20)	0.12 (30)	0.16 (40)	0.2 (50)

Features:

- High efficiency DC fan motor.
- 5-step control of static pressure from 0.04 in. wg to 0.2 in. wg (requires latest generation wired controllers)
- 7-speed fan control.
- Fresh air intake
- Built-in EXV.
- Built in refrigerant leak sensor.
- High-lift drain pump with 3.94ft. pump head.

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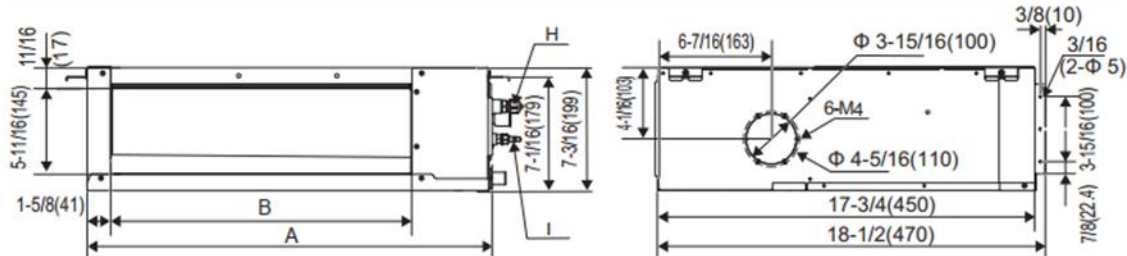
VRF Indoor Unit
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Dimensions:

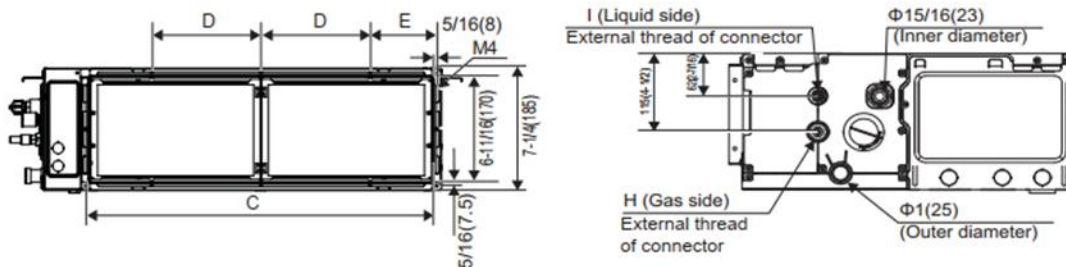
(unit: in(mm))

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

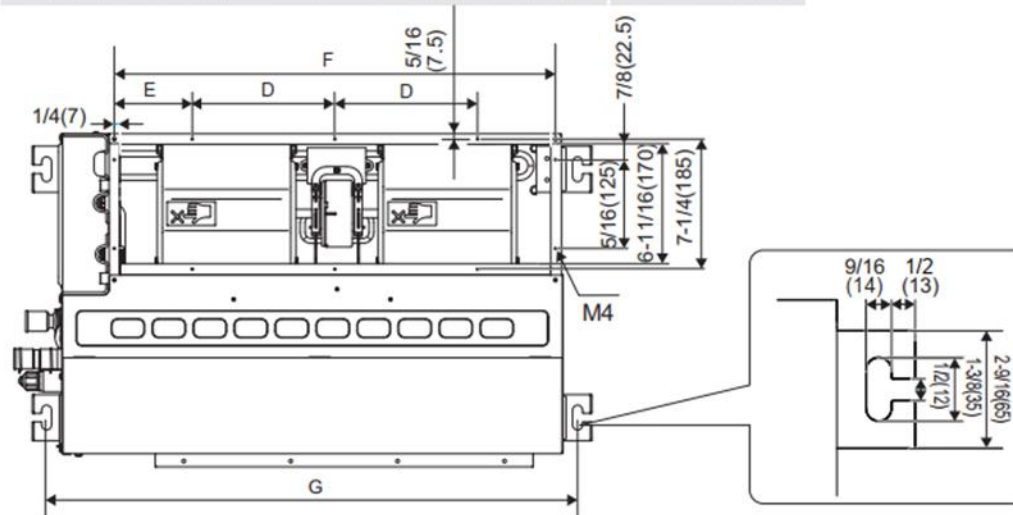


Size of return air inlet (back return air mode):

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 ≤ 7	21-5/8(550)	14-15/16(380)	17-15/16(455)	9-13/16(250)	4-5/16(109.5)	18-7/16(469)	23-7/16(595)	3/4-16 UNF	7/16-20 UNF
7 < kBtu/h ≤ 12	27-9/16(700)	20-7/8(530)	23-13/16(605)	8-7/8(200)	4-5/16(109.5)	24-3/8(619)	29-5/16(745)	3/4-16 UNF	7/16-20 UNF
12 < kBtu/h ≤ 18	35-7/16(900)	28-3/4(730)	31-11/16(805)	8-7/8(200)	4-5/16(109.5)	32-1/4(819)	37-3/16(945)	3/4-16 UNF	7/16-20 UNF
18 < kBtu/h ≤ 24	43-5/16(1100)	36-5/8(930)	39-9/16(1005)	8-7/8(200)	4-5/16(109.5)	40-1/8(1019)	45-1/16(1145)	7/8-14 UNF	5/8-18 UNF
24 < kBtu/h ≤ 36	63(1600)	55-1/8(1400)	59-1/4(1505)	8-7/8(200)	6-1/4(159.5)	59-13/16(1519)	64-3/4(1645)	7/8-14 UNF	5/8-18 UNF

Installation Space Requirements:

(unit: in(mm))

Determine the positions of the air conditioning unit and suspension bolts.

- There is enough space for installation and maintenance.
- Airflow in/out of the unit is not obstructed
- It is easy to supply airflow to every corner of the room.
- It is easy to drain for water drain piping.
- There is no direct heat radiation.
- Avoid installation in narrow spaces or where there are more stringent noise requirements.
- Install the indoor unit at a place 98-7/16 in (2.5m) above ground.
- The length of the piping between the indoor and outdoor units is within the permitted range. Refer to the Installation and Operation Manual attached with the outdoor unit.

