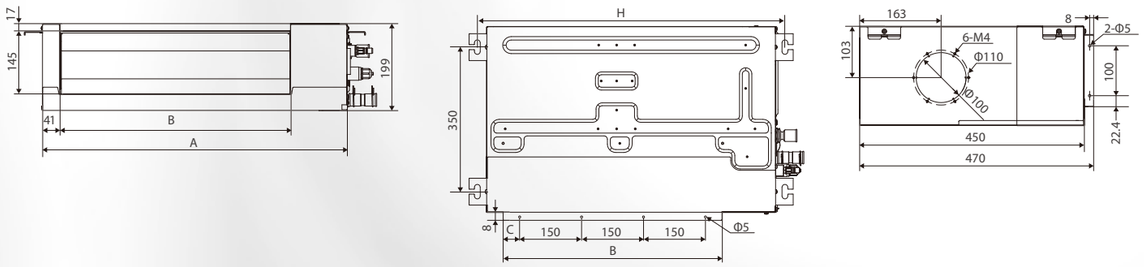
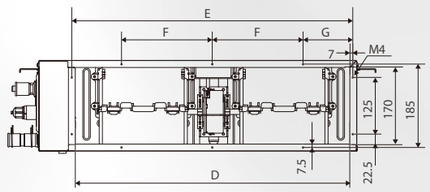
Dimensions

(Unit: mm)

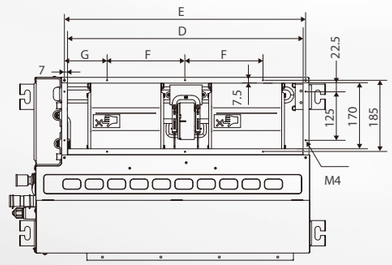
External dimension, air outlet size, and size of fresh air outlet:



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



Size of return air inlet (bottom return air mode)



Capacity (kW)	A	B	C	D	E	F	G	H
kW≤2.8	550	380	40	455	469	250	109.5	595
2.8<kW≤3.6	700	530	40	605	619	200	109.5	745
3.6<kW≤5.6	900	730	65	805	819	200	109.5	945
5.6<kW≤7.1	1100	930	15	1005	1019	200	109.5	1145
7.1<kW≤11.2	1600	1400	25	1505	1519	200	159.5	1645

Specification

Model			MIH15T3HN18	MIH22T3HN18	MIH28T3HN18	MIH36T3HN18	MIH45T3HN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	1.5	2.2	2.8	3.6	4.5
		kBtu/h	5.1	7.5	9.6	12.3	15.4
	Input	W	21	22	28	31	43
Heating[2]	Capacity	kW	1.8	2.5	3.2	4	5
		kBtu/h	6.1	8.5	10.9	13.7	17.1
	Input	W	21	22	28	31	43
Airflow rate[3]		m^3/h	340/335/329/320/307/298/290	370/347/339/322/314/306/295	460/431/413/380/351/323/300	605/557/508/453/414/365/320	800/770/701/629/557/506/435
External static pressure[4]		Pa	10 (10-50)	10 (10-50)	10 (10-50)	10 (10-50)	10 (10-50)
Sound pressure level[5]		dB(A)	27/26/25.5/24.5/23.5/22.5/22	28/27.5/26.5/25.5/24.5/23.5/22	30/29.5/28.5/27.5/26/24.5/22	30/29.5/28.5/27.5/26.5/25.5/25	33/32.5/32/30.5/29/27.5/26
Sound power level[5]		dB(A)	43.5/43/42.5/42/41.5/41/40	46/45/44/43/42/41/40	50.5/49/47/45.5/43.5/42/40	50.5/49.5/48/47/45.5/44.5/43	52/50.5/49/47.5/46/44.5/43
Unit	Net dimensions[6] (W×H×D)	mm	550×199×450	550×199×450	550×199×450	700×199×450	900×199×450
	Packed dimensions (W×H×D)	mm	715×255×525	715×255×525	715×255×525	865×255×525	1065×255×525
	Net/Gross weight	kg	11.5/13.5	11.5/13.5	11.5/13.5	13.0/15.5	16.5/19.5
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Model			MIH56T3HN18	MIH71T3HN18	MIH80T3HN18	MIH90T3HN18	MIH112T3HN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	5.6	7.1	8	9	11.2
		kBtu/h	19.1	24.2	27.3	30.7	38.2
	Input	W	58	65	108	108	128
Heating[2]	Capacity	kW	6.3	8	9	10	12.5
		kBtu/h	21.5	27.3	30.7	34.1	42.7
	Input	W	58	65	108	108	128
Airflow rate[3]		m^3/h	900/800/761/682/603/549/470	1145/1033/957/860/763/671/580	1400/1327/1249/1175/1095/1026/960	1400/1327/1249/1175/1095/1026/960	1620/1522/1433/1343/1254/1170/1080
External static pressure[4]		Pa	10 (10-50)	10 (10-50)	20(10-80)	20(10-80)	20(10-80)
Sound pressure level[5]		dB(A)	36/34.5/33.5/32.5/31/29/27	37/35/34/32.5/31/30/29	36.5/35.5/34/33/32/31.5/30.5	36.5/35.5/34/33/32/31.5/30.5	39.5/38/36.5/35/34/32.5/31.5
Sound power level[5]		dB(A)	56/54/52/50/48/46/44	57/55.5/54/52/50.5/49/47	57/56/54.5/53.5/52/51/49.5	57/56/54.5/53.5/52/51/49.5	60.5/59/57.5/55.5/54/52.5/50.5
Unit	Net dimensions[6] (W×H×D)	mm	900×199×450	1100×199×450	1600×199×450	1600×199×450	1600×199×450
	Packed dimensions (W×H×D)	mm	1065×255×525	1300×255×525	1780×250×525	1780×250×525	1780×250×525
	Net/Gross weight	kg	16.5/19.5	20/23.5	28/32.5	28/32.5	28/32.5
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
4. Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
5. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5m below the unit in a semi-anechoic chamber.
6. 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.

B-V8T3H202307

Midea

V8

INDOOR UNIT
Arc Duct

DISCOVER
RELIABLE COMFORT

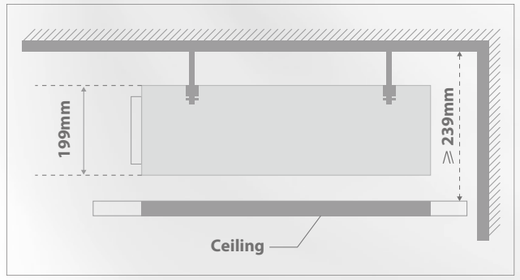
Why Choose V8 Arc Duct Indoor Units

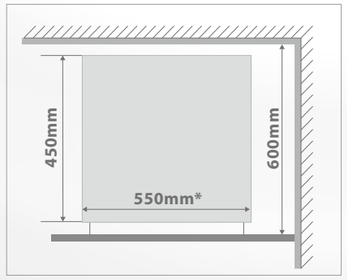


True Feelings 1: **The original width of the porch was designed too narrow, which led to the failure of installation of air conditioners .Thus, we had to overturn the design for installation, which led to two-month delay of our hotel and the total number of rooms was 5% less than expected.**

Ultra-thin Body, Flexible Installation

V8 Arc Duct models 15 to 112 are just 199mm depth, slim body makes installation easier.





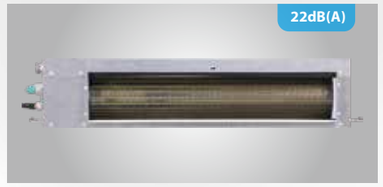


True Feelings 2: **I spent 200 days a year in other hotels because of business trips. The most troublesome thing was that I could not sleep because the air conditioner has always been on and off during the night.**

Quiet Operation

By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment





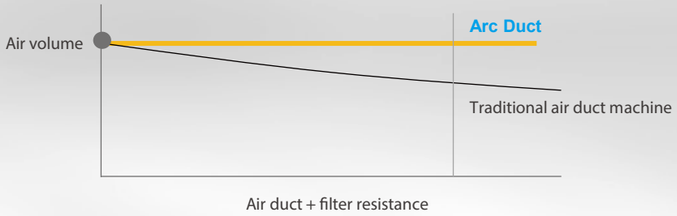




True Feelings 3: **After using the air duct machine for a period of time, I often encounter issues with reduced air flow and decreased cooling/heating performance.**

Constant Airflow Technology

Through the independent constant air volume digital fan technology, the air volume is independently detected and adjusted to realize constant air volume and no attenuation in the whole life.



Features

High Efficient Heat Exchanger

C-type heat exchanger adopts integrated design, the effective area of the heat exchanger is larger, truly achieves small volume and large capacity.



Efficient

C-type golden heat exchanger

Patented heat exchange technology

High efficiency

Small size and large capacity

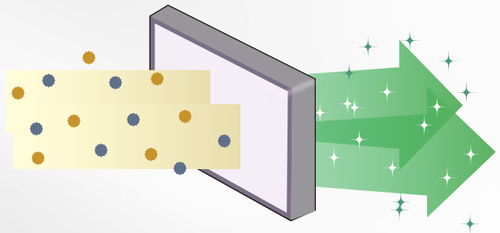
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Optional F6-class Air Filter

Optional F6-class air filter, filtering effect of the F6-class filter reaches up to 80% against particles (particle size > 1 m), creating a cleaner living environment.



Constant Airflow Technology

ESP adapts to duct resistance to ensure constant airflow.



Indoor units installation

The indoor unit can be installed in the most suitable position according to the airflow design, and selects different filters according to the different application.



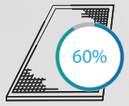
Adaptive air duct length

There is no need to adjust the static pressure setting of the indoor unit during commissioning, and the indoor unit will automatically adjust to the rated air volume.



Adaptive filter resistance

The indoor unit will automatically adjust the motor operating parameters according to the increase in resistance to ensure a constant air volume.



Visualization of dirty blockage rate

10 levels blockage rates can be accurately identified and displayed on the controller, reminding the user to clean the filter in time.