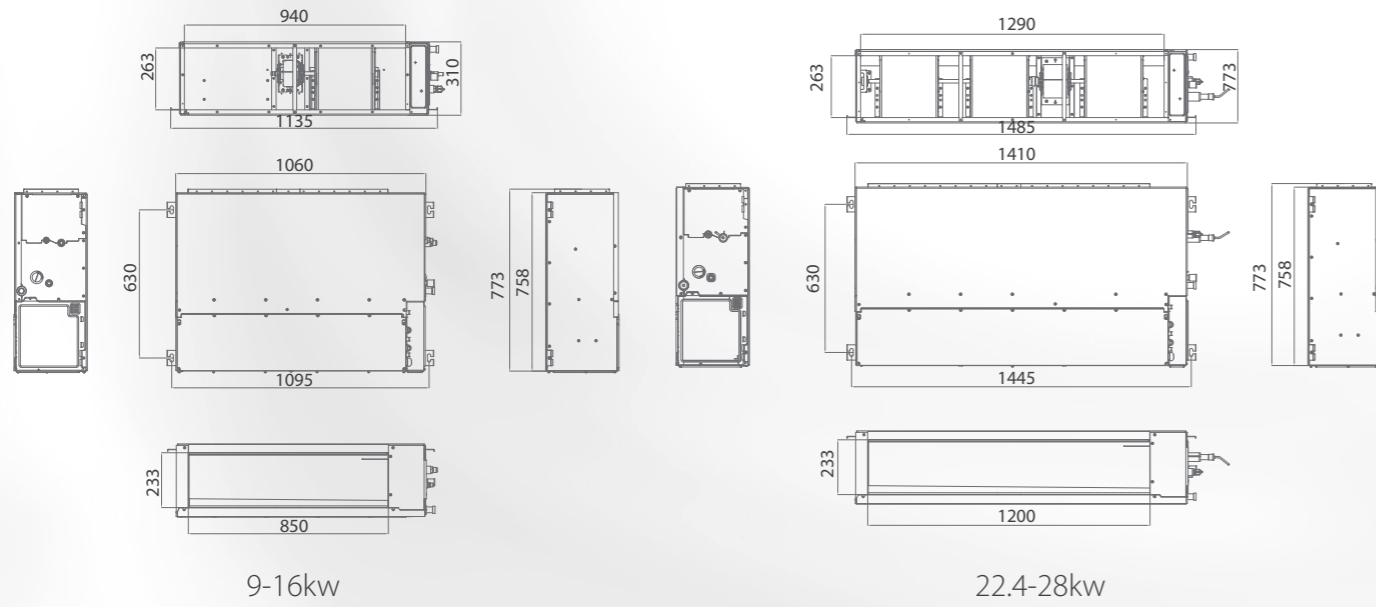


# Dimensions (unit:mm)

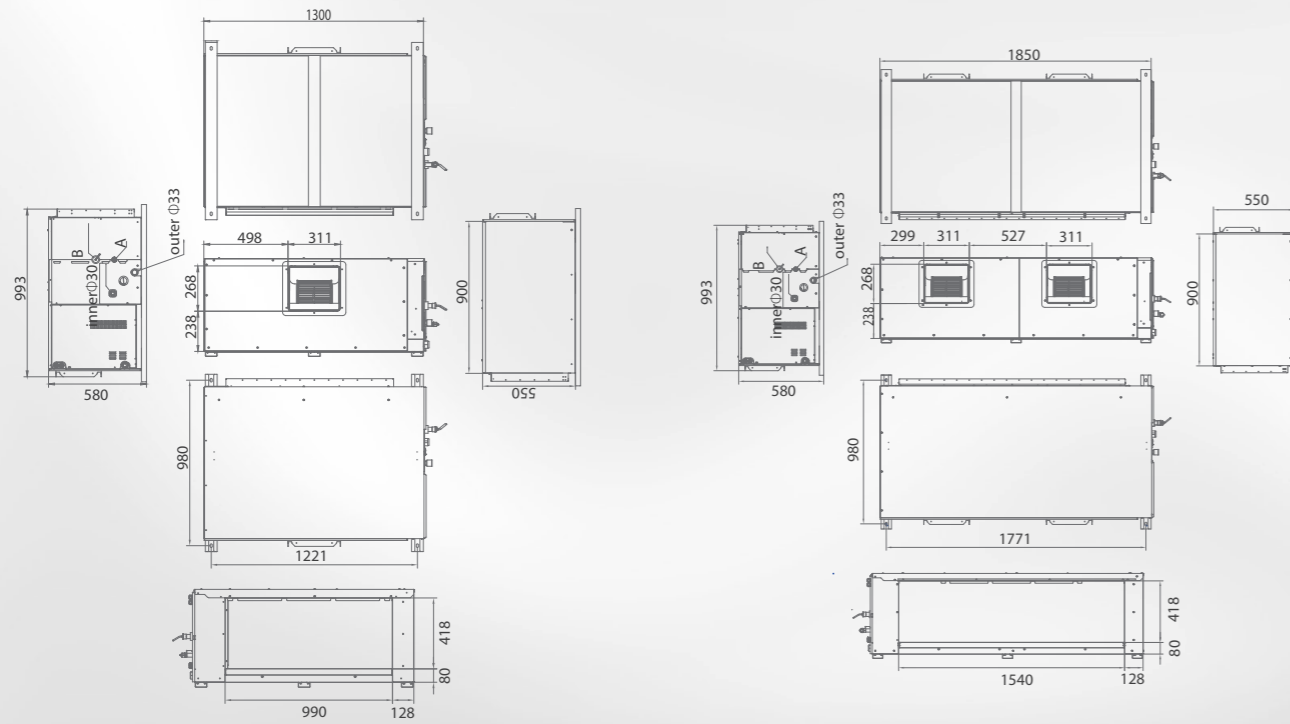
## Small Airflow Rate Fresh Air Processing Unit



9-16kw

22.4-28kw

## Fresh Air Processing Unit



20-33.5kw

40-56kw

Note: These products are under development and the specifications are always subject to change

### Midea Building Technologies Division

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Midea reserves the right to change the specifications of the product, and to withdraw or replace products without prior notification or public announcement. Midea is constantly developing and improving its products.



B-V8FAH



## VRF Indoor Units Fresh Air Processing Unit



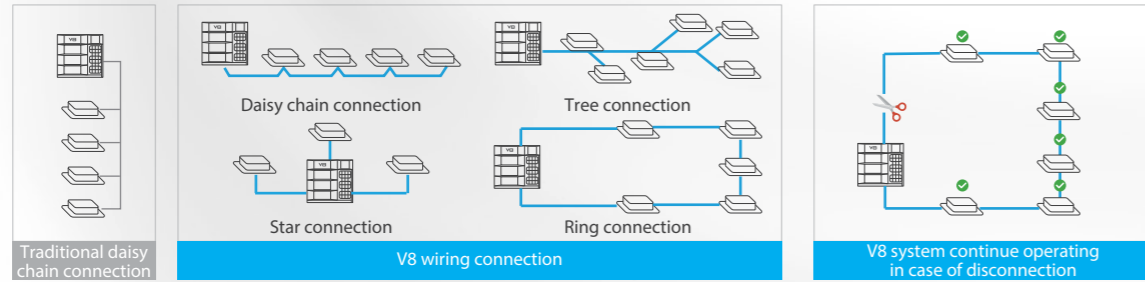
DISCOVER  
**RELIABLE COMFORT**

# Why Choose V8 Fresh Air Processing Unit

**True Feelings 1:** During the installation of VRF systems, errors often occur when connecting the communication line, often resulting in project delay

## Support any topology communication\*

In addition to the traditional daisy chain connection, the communication wire supports tree connection, star connection, ring connection and so on. The wiring is flexible, which greatly reduces the installation cost and has no possibility of wrong connection on site.

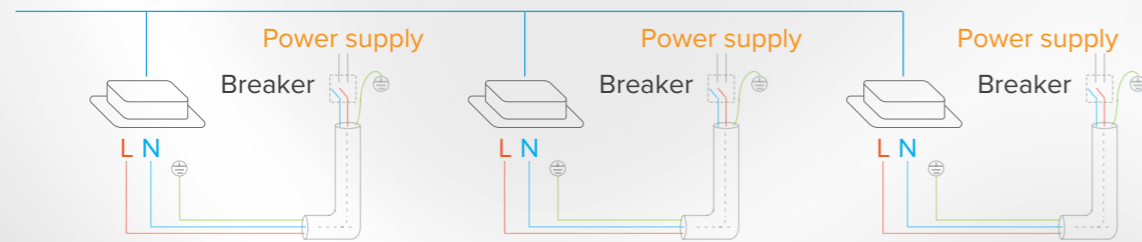


\*Only when use HyperLink communication.

**True Feelings 2:** In the VRF system, all indoor units need to be powered on uniformly. When one indoor unit fails and needs to be powered off for maintenance, the whole system will be powered off, and everyone can only wait for the maintenance to be completed.

## Flexible Power Supply for Indoor Units

HyperLink's unique communication method allows the indoor units to be powered not only by a uniform power supply, but also by individual and zone power supplies, making it particularly suitable for each shop in a large complex building, which can independently power on and off its own indoor units.

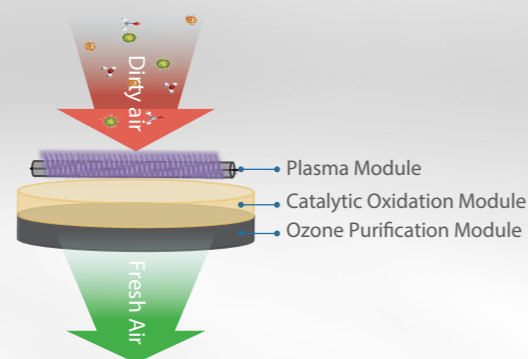


\*Only when use HyperLink communication.

**True Feelings 3:** 70% of the customers' complains about the air conditioner are about bad performance and smelly odor.

## Plasma sterilization\*

The sterilization module can effectively kill bacteria, viruses and odors of indoor air.



\*This function is available as a customization option for V8 Fresh Air Processing Unit.

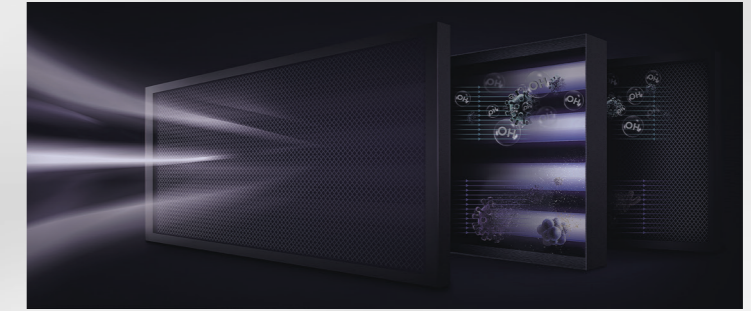
# Features

## Innovative Puro-air Kit

Protectors of health and safety

OSRAM From Germany -OSRAM quality UV light source

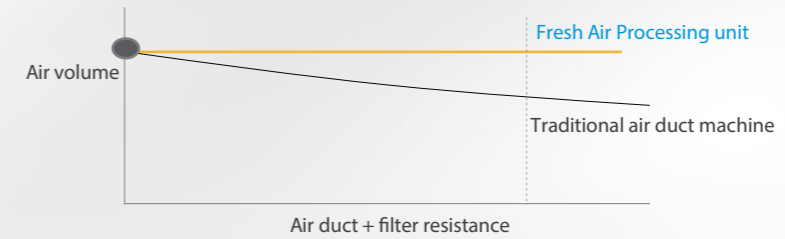
UV leakage-Free



\*The indoor unit needs to be customized in order to use the Puro-air Kit.

## 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.

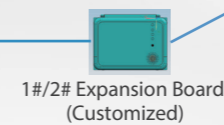


## Multi-functional Expansion Board

A wide range of accessories can be connected via Communication expansion module and expansion board for even more functionality.



Communication expansion module (Customized)

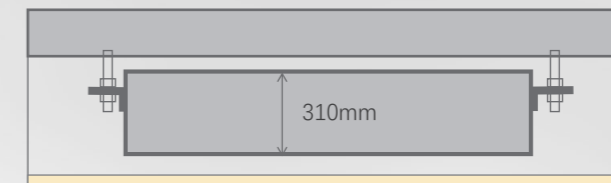


1#/2# Expansion Board (Customized)

- Third-party humidifier and dehumidifier
- Electric heater connection
- Refrigerant leak sensor connection
- Third-party controller connection
- Long-distance on/off function
- Long-distance alarm function
- Long-distance Linkage with third-party equipment such as air valve

## Ultra-thin fuselage

For small Airflow Rate Fresh Air Processing Unit, the fuselage thickness is only 310mm, the height required for ceiling installation is greatly reduced which leads to be able to cope with more installation situations.



# Specification

## Small Airflow Rate Fresh Air Processing Unit

Model name			MIH90FASHN18	MIH140FASHN18	MIH160FASHN18	MIH224FASHN18	MIH280FASHN18
Power supply			1-phase, 220-240V, 50/60Hz				
Cooling <sup>1</sup>	Capacity	kW	9.0	14.0	16.0	22.4	28.0
		kBut/h	30.7	47.8	54.6	76.5	95.6
	Input	W	80	165	185	320	400
Heating <sup>2</sup>	Capacity	kW	8.1	12.5	14.0	20.0	25.0
		kBut/h	27.6	42.7	47.8	68.3	85.3
	Input	W	80	165	185	320	400
Airflow rate <sup>3</sup>	m <sup>3</sup> /h	690/633/575/ 518/460/ 403/345	1100/1008/917/ 825/733/ 642/550	1230/1128/1025/ 923/820/ 718/615	1740/1595/1450/ 1305/1160/ 1015/870	2160/1980/1800/ 1620/1440/ 1260/1080	
External static pressure <sup>4</sup>	Pa	100 (0~300)	150 (0~300)		200 (0~300)		
Sound pressure level <sup>5</sup>	dB(A)	39/37.5/36/34/ 32.5/30.5/29	44.5/42.5/40/37/ 35/33/32	44.5/43/41/38/ 36/34/32.5	49/47/45/43/ 40/38/36	51/49/47/44/ 42/39/37	
Unit	Net dimensions <sup>6</sup> (WxHxD)	mm	1095x310x773			1445x310x773	
	Packed dimensions (WxHxD)	mm	1215x360x885			1625x360x885	
	Net/Gross weight	kg	37/41.5	40/43.5	40/43.5	54/59	54/59
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9			Φ9.52/Φ19.1	Φ12.7/Φ22.2
	Drain pipe	mm	OD Φ25				

- Indoor temperature 33°C DB, 28°C WB; outdoor temperature 33°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor temperature 0°C DB; outdoor temperature 0°C DB, -2.9°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- 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.)
- 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.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- All specifications are measured at standard external static pressure.
- Only Small Airflow Rate Fresh Air Processing Unit can be installed together with standard units, the total capacity of the Small Airflow Rate Fresh Air Processing Unit must not exceed 30% of the total capacity of the outdoor units and the total combination ratio must not exceed 100%.
- When there are only fresh air processing units in the system, the combination ratio is 50-100%.

## Fresh Air Processing Unit

Model name			MIH 200FAHN18	MIH 224FAHN18	MIH 252FAHN18	MIH 280FAHN18	MIH 335FAHN18	MIH 400FAHN18	MIH 450FAHN18	MIH 560FAHN18		
Power supply			1-phase, 220-240V, 50/60Hz									
Cooling <sup>1</sup>	Capacity	kW	20.0	22.4	25.2	28.0	33.5	40.0	45.0	56.0		
		kBut/h	68.3	76.5	86.0	95.6	114.3	136.5	153.6	191.1		
	Input	W	425	425	480	540	550	900	900	1330		
Heating <sup>2</sup>	Capacity	kW	12.0	13.7	16.0	18.0	22.0	26.5	27.8	39.0		
		kBut/h	41.0	46.8	54.6	61.4	75.1	90.4	94.9	133.1		
	Input	W	425	425	480	540	550	900	900	1330		
Airflow rate <sup>3</sup>	m <sup>3</sup> /h	2500/2417/ 2333/ 2250/2167/ 2083/2000	2500/2417/ 2333/ 2250/2167/ 2083/2000	2800/2667/ 2533/ 2400/2267/ 2133/2000	3000/2833/ 2667/ 2500/2333/ 2167/2000	3200/3000/ 2800/ 2600/2400/ 2200/2000	4500/4217/ 3933/ 3650/3367/ 3083/2800	4500/4217/ 3933/ 3650/3367/ 3083/2800	6200/5833/ 5467/ 5100/4733/ 4367/4000			
External static pressure <sup>4</sup>	Pa	220(0-400)						300(0-400)				
Sound pressure level <sup>5</sup>	dB(A)	47/46/46/45/ 44/43/42	47/46/46/45/ 44/43/42	48/47/47/46/ 45/44/43	49/48/48/47/ 46/45/44	51/50/49/48/ 47/46/45	53/52/52/51/ 50/49/48	53/52/52/51/ 50/49/48	56/55/55/54/ 53/52/51			
Unit	Net dimensions <sup>6</sup> (WxHxD)	mm	1300x580x1050						1850x580x1050			
	Packed dimensions (WxHxD)	mm	1530x730x1060						2080x730x1060			
	Net/Gross weight	kg	117/142	117/142	117/142	117/142	121/146	161/198	161/198	164/201		
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ19.1		Φ12.7/Φ22.2		Φ12.7/Φ25.4		Φ16/Φ28.6			
	Drain pipe	mm	OD Φ32									

- Indoor temperature 33°C DB, 28°C WB; outdoor temperature 33°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor temperature 0°C DB; outdoor temperature 0°C DB, -2.9°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- 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.)
- 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.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- All specifications are measured at standard external static pressure.
- Fresh air processing units are not allowed to be used in the same VRF system as other series of indoor units.
- When there are only fresh air processing units in the system, the combination ratio is 50-100%.