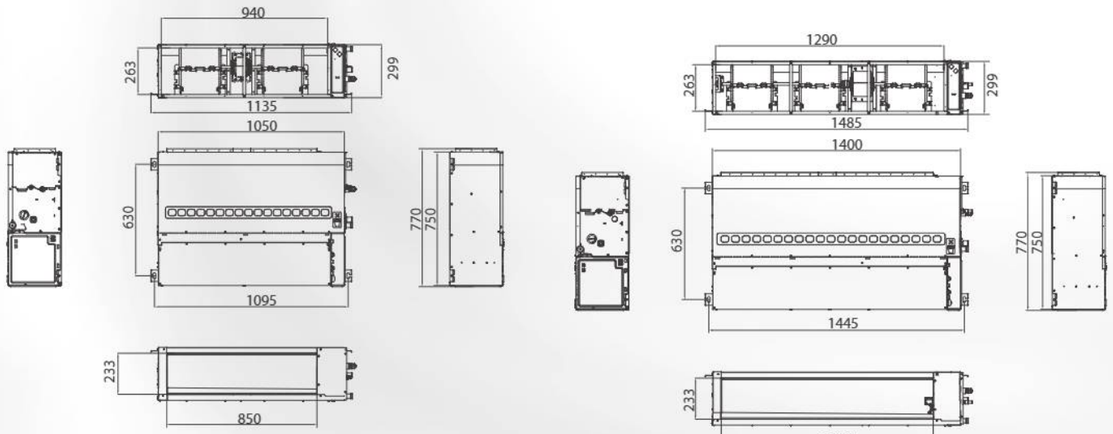
Dimensions (unit:mm)

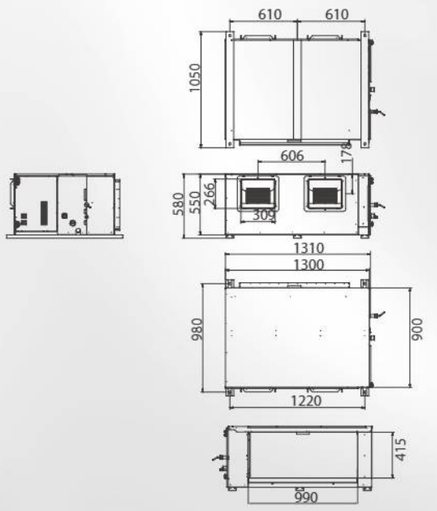
Small Airflow Rate Fresh Air Processing Unit



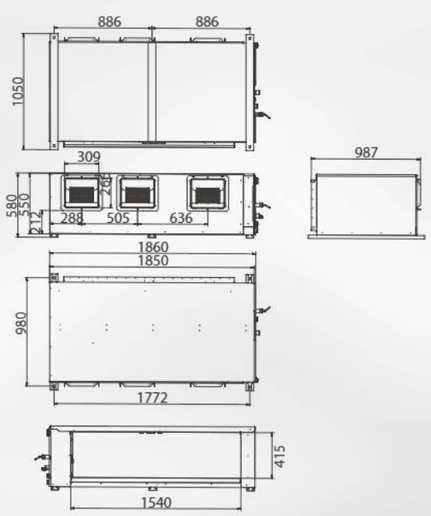
9-16kw

22.4-28kw

Fresh Air Processing Unit



22.4-33.5kw



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.

Quality Assurance ISO 9001 · Environmental Management ISO 14001 · Occupational Health and Safety Management ISO 45001

B-V8FAH

Midea

V8

VRF Indoor Units
Fresh Air Processing Unit



DISCOVER
RELIABLE COMFORT

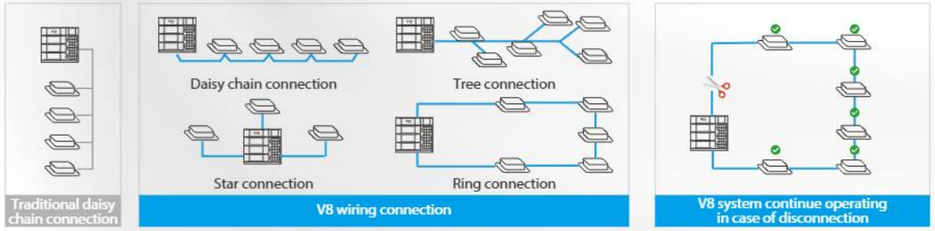
Why Choose V8 Fresh Air Processing Unit



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 wring is flexible, which greatly reduces the installation cost and has no possibility of wrong connection on site.



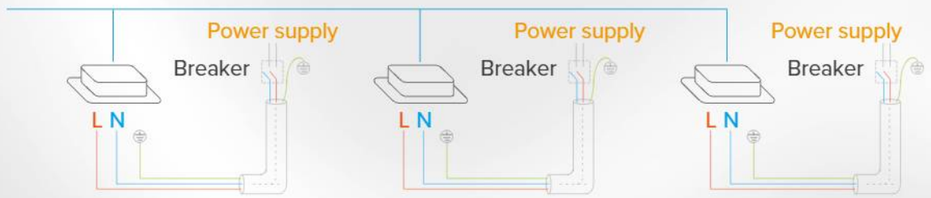
*Only when use HyperLink communication.



True Feelings 2: **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.



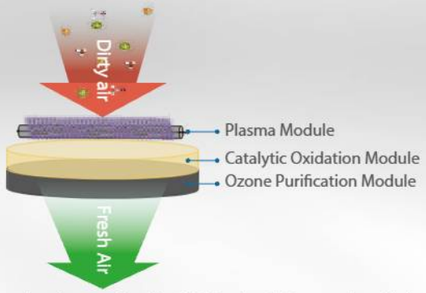
*Only when use HyperLink communication.



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

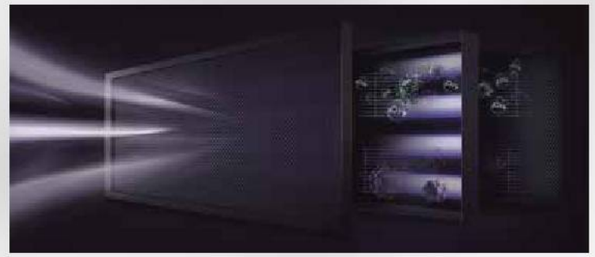
Protectors of health and safety

From Germany -OSRAM quality UV light source

1st The world's first air conditioning sterilization product certification
99.9% Effective killing rate of white grape fungus
99.9% Effective killing rate of H1N1
98% Effective killing rate of natural bacteria

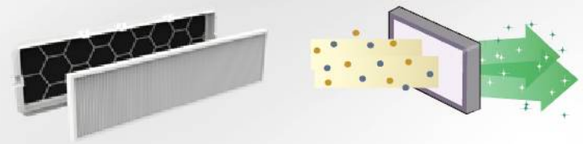
Ozone –Free
UV leakage-Free

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



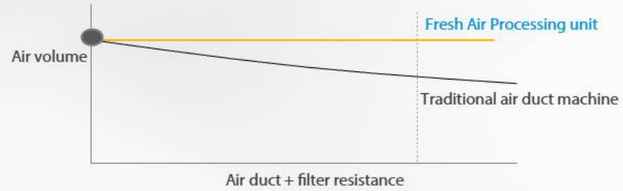
Efficiency filter screen

Optional F7 or H13-class air filter, Equipped with H13 HEPA high-efficiency filter screen, it can filter 0.5 micron extremely fine particles, and the primary filtration efficiency is more than 99.95%.



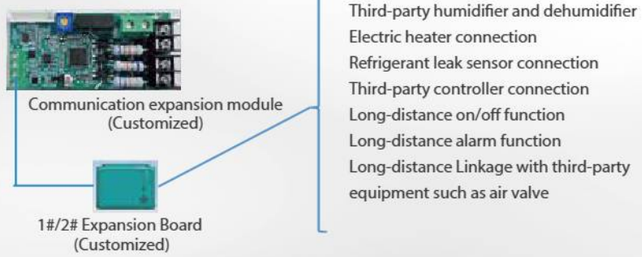
Constant Airflow Technology

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.



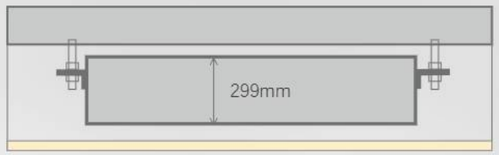
Multi-functional Expansion Board

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



Ultra-thin fuselage

For small Airflow Rate Fresh Air Processing Unit, the fuselage thickness is only **299mm**,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[1]	Capacity	kW	9	14	16	22.4	28
		kBut/h	30.7	47.8	54.6	76.5	95.6
	Input	W	128	184	210	252	284
Heating[2]	Capacity	kW	5.7	8.9	10.1	13.9	17.4
		kBut/h	19.5	30.4	34.5	47.4	59.4
	Input	W	128	184	210	252	284
Airflow rate[3]		m³/h	690/635/580/525/470/415/360	1080/990/900/810/720/630/540	1230/1130/1030/930/830/730/630	1680/1540/1400/1260/1120/980/840	2100/1930/1760/1590/1420/1250/1080
External static pressure[4]		Pa	100 (0~250)				
Sound pressure level[5]		dB(A)	38/36.5/35/33.5/32/30.5/29	42/40/38/36/34/32/30	43/41/39/37/35/33/31	46/44/42/40/38/36/34	48/46/44/42/40/38/36
Unit	Net dimensions[6] (WxHxD)	mm	1135×299×770			1485×299×770	
	Packed dimensions (WxHxD)	mm	1215×359×890			1565×359×890	
	Net/Gross weight	kg	34.5/38	34.5/38	34.5/38	46/50	46/50
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9			Φ9.52/Φ19.1	Φ9.52/Φ22.2
	Drain pipe	mm	OD Φ25				

1. Indoor temperature 33℃ DB, 28℃ WB; outdoor temperature 33℃ DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor temperature 0℃ DB; outdoor temperature 0℃ DB, -2.9℃ WB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
7. All specifications are measured at standard external static pressure.
8. 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%.
9. When there are only fresh air processing units in the system, the combination ratio is 50-100%.

Fresh Air Processing Unit

Model name			MIH224FAHN18	MIH252FAHN18	MIH280FAHN18	MIH335FAHN18	MIH400FAHN18	MIH450FAHN18	MIH560FAHN18
Power supply			1-phase, 220-240V, 50/60Hz						
Cooling[1]	Capacity	kW	22.4	25.2	28	33.5	40	45	56
		kBut/h	76.5	86.0	95.6	114.3	136.5	153.6	191.1
	Input	W	680	680	680	710	1170	1170	1760
Heating[2]	Capacity	kW	18	20	22	27	32	36	45
		kBut/h	61.4	68.3	75.1	92.2	109.2	122.9	153.6
	Input	W	680	680	680	710	1170	1170	1760
Airflow rate[3]		m³/h	3000/2800/2600/2400/2200/2000/1800	3000/2800/2600/2400/2200/2000/1800	3000/2800/2600/2400/2200/2000/1800	3000/2800/2600/2400/2200/2000/1800	4200/3900/3600/3300/3000/700/2400	4200/3900/3600/3300/3000/2700/2400	6000/5600/5200/4800/4400/4000/3600
External static pressure[4]		Pa	200(0-400)				300(0-400)		
Sound pressure level[5]		dB(A)	50/49/48/47/46/44/43	50/49/48/47/46/44/43	50/49/48/47/46/44/43	52/51/50/49/48/46/44	58/56/55/53/51/49/48	58/56/55/53/51/49/48	59/57/56/55/53/51/50
Unit	Net dimensions[6] (WxHxD)	mm	1310×580×1050				1860×580×1050		
	Packed dimensions (WxHxD)	mm	1530×725×1060				2080×725×1060		
	Net/Gross weight	kg	132/148	132/148	132/148	135/151	175/195	175/195	180/200
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ22.2				Φ15.9/Φ28.6		
	Drain pipe	mm	OD Φ32						

1. Indoor temperature 33℃ DB, 28℃ WB; outdoor temperature 33℃ DB; equivalent refrigerant piping length 5m with zero level difference.
2. Indoor temperature 0℃ DB; outdoor temperature 0℃ DB, -2.9℃ WB; equivalent refrigerant piping length 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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
7. All specifications are measured at standard external static pressure.
8. Fresh air processing units are- not allowed to be used in the same VRF system as other series of indoor units.
9. When there are only fresh air processing units in the system, the combination ratio is 50-100%.