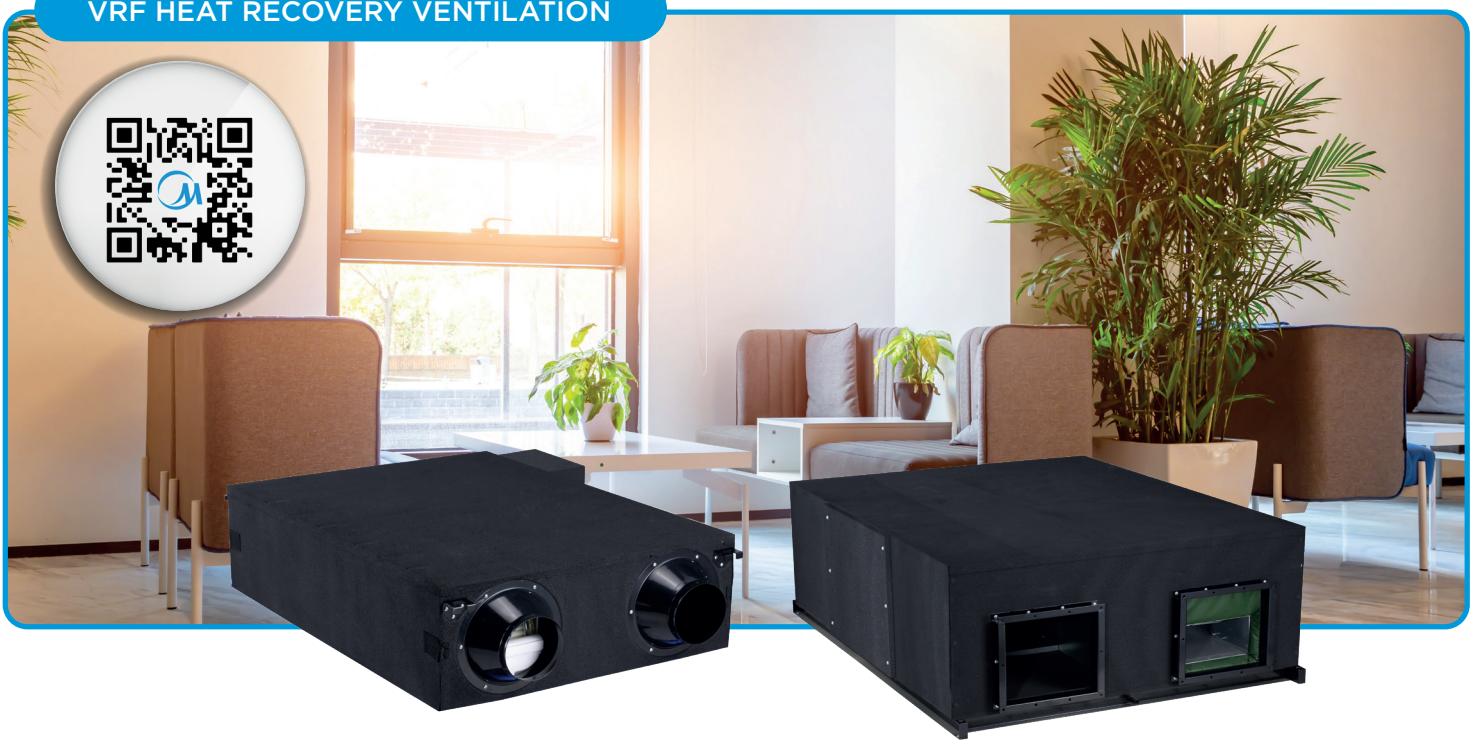
VRF INDOORS 2026

VRF HEAT RECOVERY VENTILATION



The Midea VRF Heat Recovery Ventilator (HRV) is designed to deliver fresh air efficiently while maintaining indoor comfort. By recovering heat from exhaust air, it reduces energy loss and minimises temperature fluctuations, helping to improve overall system efficiency.

ENHANCED EFFICIENCY
Midea heat recovery ventilation (HRV) systems help reduce energy losses and minimise room temperature fluctuations during the ventilation process. Temperature exchange efficiency exceeds 74%, while enthalpy exchange efficiency exceeds 71%.

EASY INSTALLATION
The unit's slim and compact design allows the HRV to be installed easily where space is limited. No drain piping is required, as both sensible and latent heat are transferred through the heat exchanger.

FLEXIBLE CONTROL
A 2-core wired 7-day controller can be used to control multiple units simultaneously.

HIGH EFFICIENCY FILTERS
Built-in as standard, F7 filter for air supply side and M5 filter for exhaust air.

CO_2 SENSOR
Built-in as standard allows control of fan speed according to CO_2 concentration

MULTIPLE MODES
Heat Exchange Mode: The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.

Bypass Mode: Supply and exhaust fans run at the same speed. In mild climates, where temperature and humidity differences between indoor and outdoor are small, the HRV can work as a conventional ventilation fan.

Air Supply Mode: Supply fan runs faster than exhaust fan. A mode suitable in mild climate installations with fresh air ventilation requirements.

Exhaust Mode: Exhaust fan runs faster than supply fan. A mode suitable in mild climate installations with large amounts of exhaust air to be expelled.

Auto Mode: The controller chooses heat exchange mode or bypass mode according to temperature difference between outdoors and indoors. Both fans run at low speed.

SYSTEM COMPONENTS

HRV 200-400m³

HRV 500-1000m³

HRV 1500-2000m³

WDC3-86S2

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MODEL		HRV-D200(C)	HRV-D300(C)	HRV-D400(C)	HRV-D500(C)
Power supply	V-Ph-Hz	220-240V,1Ph,50Hz			
Recommended Fuse Size	A	5	5	5	5
Interconnecting Wiring	No.	2 Core Screened 0.75mm²			
Nominal Temperature Efficiency	%	81.8/85.4/87.5	80.4/81.8/83.5	79.2/81.1/83.3	77.2/79.4/82.5
Nominal Enthalpy Efficiency	%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6
Filter Type		F7&M5 High Efficiency			
Current	A	0.64	0.84	0.97	1.2
Fresh air external static pressure (High Speed)	Pa	75	70	70	65
Discharge air external static pressure (High Speed)	Pa	100	110	110	110
Nominal air flow	m3/h	200	300	400	500
Sound pressure level (H/M/L)	dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28	36/30.5/24.5
Net Dimensions (LxWxH)	mm	1195x784x272	1195x898x272	1276x1189x272	1311x1090x390
Packing size (LxWxH)	mm	1275x880x420	1275x994x420	1360x1284x420	1390x1244x540
Net/Gross weight	kg	51/68	57/74	72/92	62/85
Fresh Air Connection Size	mm	Ø144	Ø144	Ø198	Ø244
Air drop	Pa	52	179	218	357
Operating temperature range	°C	-7-43DB, 80%RH or less			

MODEL		HRV-D800(C)	HRV-D1000(C)	HRV-D1500(C)	HRV-D2000(C)
Power supply	V-Ph-Hz	220-240V,1Ph,50Hz			
Recommended Fuse Size	A	5	10	10	10
Interconnecting Wiring	No.	2 Core Screened 0.75mm²			
Nominal Temperature Efficiency	%	74.9/77.1/80.8	75.4/78.0/81.4	83.8/84.6/86.2	78.8/80.5/83.4
Nominal Enthalpy Efficiency	%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6
Filter Type		F7&M5 High Efficiency			
Current	A	2.4	2.9	3.8	5.7
Fresh air external static pressure (High Speed)	Pa	100	110	150	160
Discharge air external static pressure (High Speed)	Pa	155	145	180	180
Nominal air flow	m3/h	800	1000	1500	2000
Sound pressure level (H/M/L)	dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5	53/48.5/42.5
Net Dimensions (LxWxH)	mm	1311x1270x390	1311x1510x390	1740x1344x615	1811x1545x685
Packing size (LxWxH)	mm	1390x1424x540	1390x1670x540	1830x1520x770	1900x1720x845
Net/Gross weight	kg	77/101	85/112	168/200	195/235
Fresh Air diameter	mm	Ø244	Ø244	346×326	346×326
Air drop	Pa	357	384	253	322
Operating temperature range	°C	-7-43DB, 80%RH or less			

For the units model of HRV-D200-HRV-D2000, there are 3-speed adjustable air-volume (Hi, Med, Low). All the parameters
is measured at the high speed air-volume.
Sound Pressure is measured 1.5m below the air-outlet at Nominal Efficiency is measured under the following conditions:

* Cooling: air exhaust temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB.
* Heating: air exhaust temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION