

B-V8HRVHEU202309



**VRF Indoor Units**  
**DC HRV (Heat Recovery Ventilator)**



## Midea Air Conditioning Australia

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RELIABLE COMFORT**



# Features

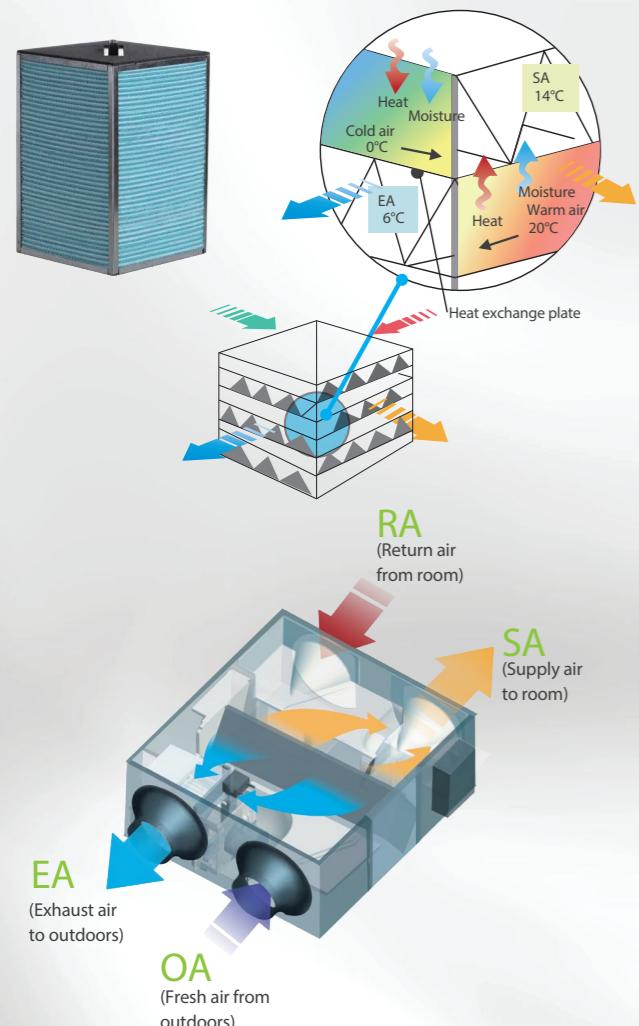
## Wide Capacity Range

The airflow is from 200m<sup>3</sup>/h to 2000m<sup>3</sup>/h which can meet the requirements of most scenarios.



## Energy Saving, Heat Recovery for Both Heat and Humidity

The heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially filter material which gives enhanced temperature and humidity control. It prevents energy being wasted by recovering waste heat from the outgoing air, thus offering much greater levels of efficiency, while improving comfort levels too.

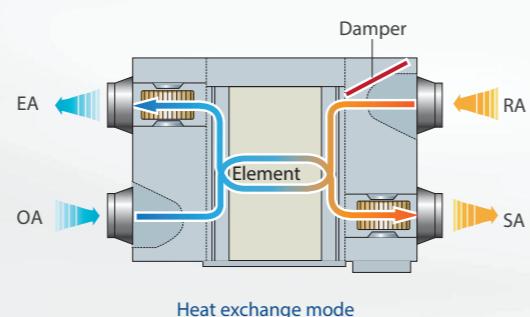


## Multiple Operation Modes

Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.

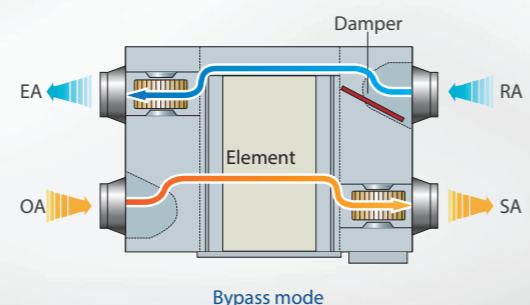
### Heat exchange mode

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

In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.



### Auto mode

The controller chooses heat exchange mode or bypass mode according to the temperature difference between outdoors and indoors. Both fans are set to run at low speed.

## Free Cooling Mode\*

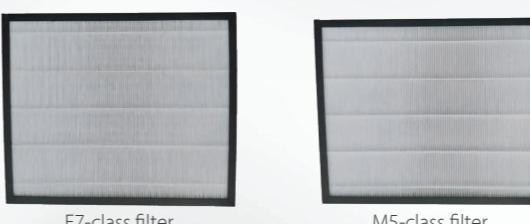
Free cooling mode is only available for DC Series HRV. Free cooling operation is an energy saving function operating when outdoor ambient temperature is below indoor ambient temperature, it uses low temperature fresh air to cool down indoor temperature, reducing the running costs.



\*The function is only enabled when connected to the centralized control

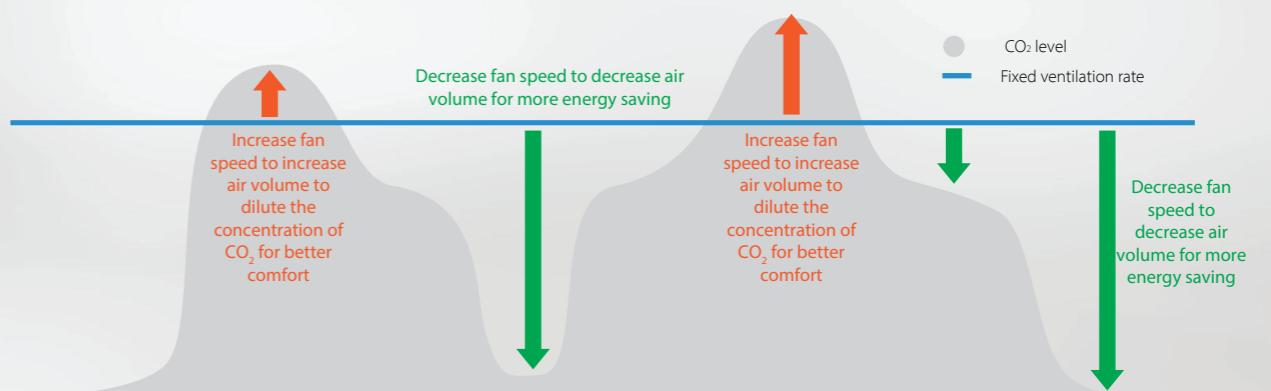
## High Efficiency Filter

Standard Built-in G4-class dust filter, optional F7-class filter for air supply side and M5-class filter for exhaust air side in line with EU legislations can be customized.



## CO<sub>2</sub> Sensor Option

Enough fresh air is needed to create an enjoyable environment, but ventilating constantly is leading to energy waste. Therefore, an optional CO<sub>2</sub> sensor can be installed which switches off the ventilation system when there is enough fresh air in the room, thus saving energy.



## Easy Installation

Slim and compact design of units, making the installation more convenient.



## Wide Range of Controllers

The HRV has its special wired controller WDC3-86S2. It also can be centralized control with VRF system through centralized controller and network control with VRF system through Midea gateways.

### Wired Controller



WDC3-86S2

### Gateway\*



GW3-CLOUD  
V8 BMS gateway

### Centralized Controller\*



IMMPRO II  
TC3-10.1

\*The centralized control will be available in December 2023.  
The gateway will be available in March 2024

# Specifications

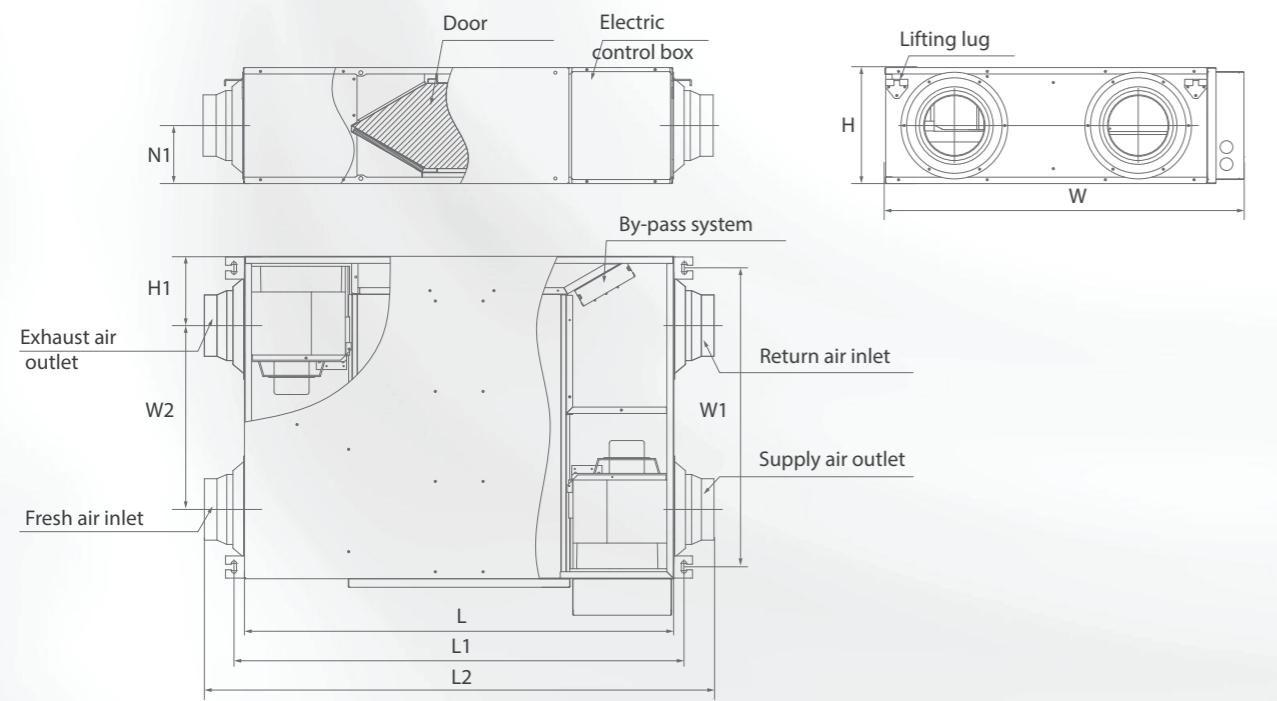
Sale Model			HRV-D200(C)	HRV-D300(C)	HRV-D400(C)	HRV-D500(C)
Power supply	Ph-V-Hz	1-phase, 220-240V-50Hz				
Input power (H/M/L)(standard G4)	W	70/45/25	100/55/35	110/70/40	150/95/50	
Input power (H/M/L)(F7+M5)	W	80/40/25	100/55/35	110/70/40	150/95/50	
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	79.5/81.1/83.5	75.5/78.8/82.5	77.7/79.0/81.3	80.6/82.2/85.5	
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	75.0/77.5/79.6	72.1/75.0/79.3	73.5/75.3/78.0	74.0/76.6/80.5	
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	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 (F7+M5) (H/M/L)	%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6	
Current	A	0.64	0.84	0.97	1.2	
Indoor external static pressure (H speed+ standard G4)	Pa	100	90	100	90	
Fresh air external static pressure (H speed +F7+M5)	Pa	75	70	70	65	
Discharge air external static pressure (H speed +F7+M5)	Pa	100	110	110	110	
Nominal air flow	m³/h	200	300	400	500	
Sound Pressure (H/M/L)	dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28	36/30.5/24.5	
Sound Power	dB	45	48	48	50	
Net dimension (LxWxH)	mm	1195x628x272	1195x741x272	1276x1031x272	1311x1045x390	
Packing size (LxWxH)	mm	1275x880x420	1275x994x420	1360x1284x420	1390x1244x540	
Net/Gross weight	kg	51/68	57/74	72/92	62/85	
Power supply wire	Wire qty.		3	3	3	3
	Code wire cross- section	mm²	2.5	2.5	2.5	2.5
Controller		Wired controller, Centralized controller, BMS gateway				
Fresh air	Fresh Air Diameter	mm	Φ144	Φ144	Φ198	Φ244
	Air drop	Pa	52	179	218	357

# Specifications

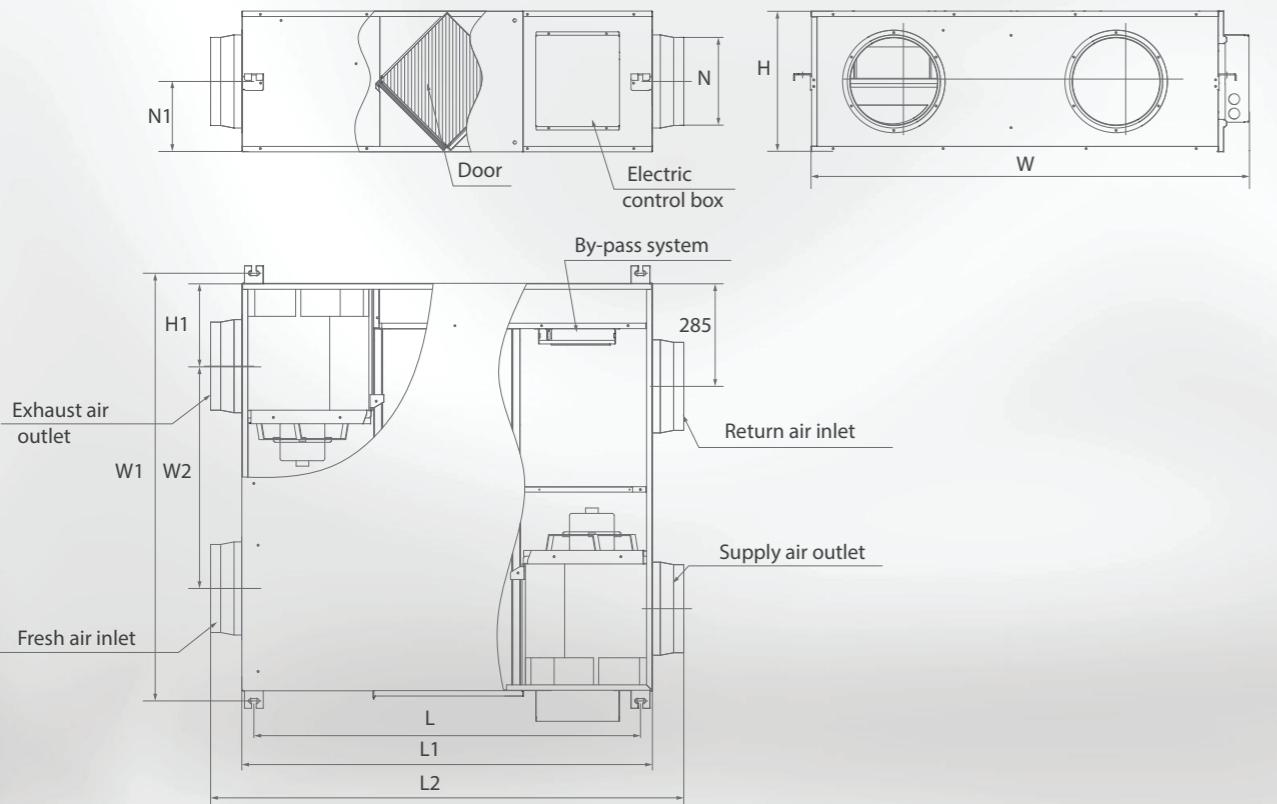
Sale Model			HRV-D800(C)	HRV-D1000(C)	HRV-D1500(C)	HRV-D2000(C)
Power supply	Ph-V-Hz	1-phase, 220-240V-50Hz				
Input power (H/M/L)(standard G4)	W	320/170/80	380/210/100	680/320/200	950/500/230	
Input power (H/M/L)(F7+M5)	W	320/170/80	420/230/100	680/320/200	950/500/230	
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	78.7/82.1/86.8	82.8/84.0/87.4	75.5/78.6/80.2	77.2/79.5/83.4	
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	72.3/75.4/79.0	76.0/76.0/80.1	69.4/71.2/74.8	74.7/77.0/80.6	
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	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 (F7+M5) (H/M/L)	%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6	
Current	A	2.4	2.9	3.8	5.7	
Indoor external static pressure (H speed+ standard G4)	Pa	140	160	180	200	
Fresh air external static pressure (H speed +F7+M5)	Pa	100	110	150	160	
Discharge air external static pressure (H speed +F7+M5)	Pa	155	145	180	180	
Nominal air flow	m³/h	800	1000	1500	2000	
Sound Pressure (H/M/L)	dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5	53/48.5/42.5	
Sound Power	dB	55	54	69	70	
Net dimension (LxWxH)	mm	1311x1225x390	1311x1471x390	1740x1300x615	1811x1500x685	
Packing size (LxWxH)	mm	1390x1424x540	1390x1670x540	1830x1520x770	1900x1720x845	
Net/Gross weight	kg	77/101	85/112	168/200	195/235	
Power supply wire	Wire qty.		3	3	3	3
	Code wire cross- section	mm²	2.5	2.5	2.5	2.5
Controller			Wired controller, Centralized controller, BMS gateway			
Fresh air	Fresh Air Diameter	mm	Φ244	Φ244	346x326	346x326
	Air drop	Pa	357	384	253	322

## Dimensions (unit:mm)

200-400m<sup>3</sup>/h



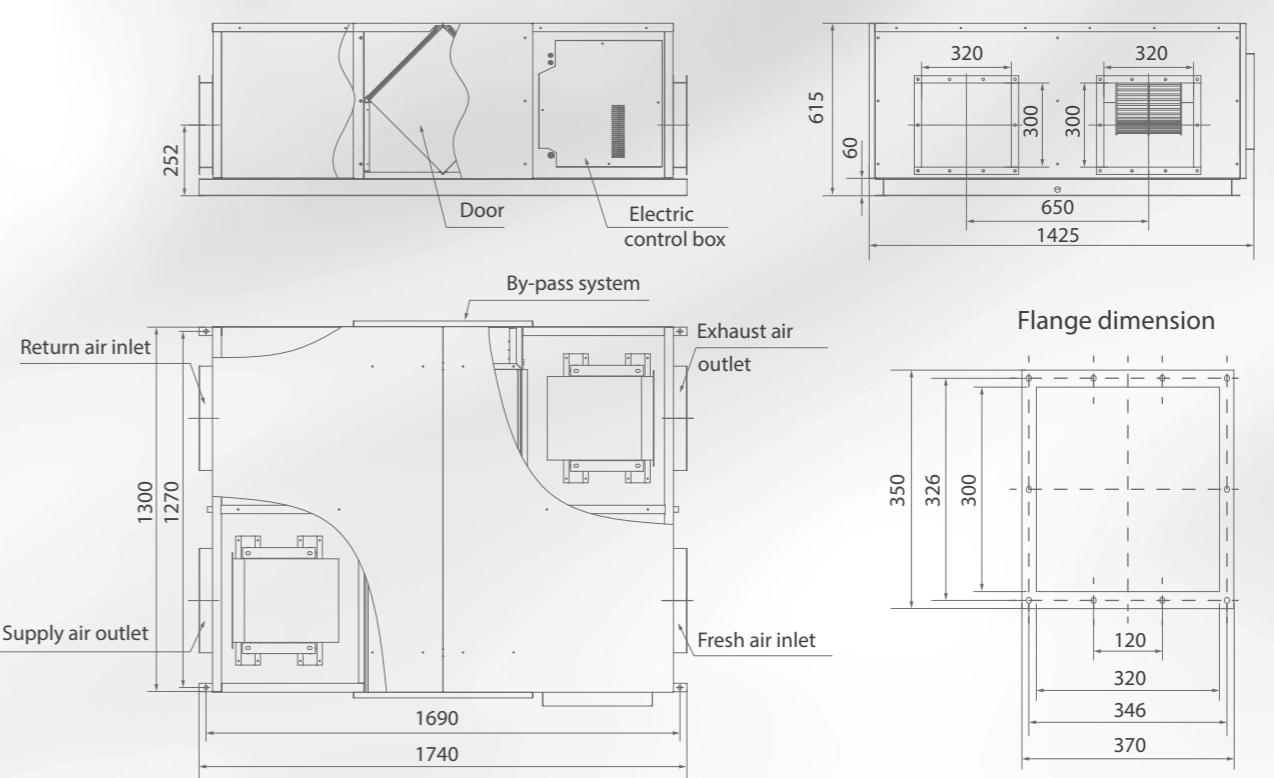
500-1000m<sup>3</sup>/h



Air volume (m <sup>3</sup> /h)	L	L1	L2	W	W1	W2	H	H1	N	N1
200	1007	1054	1195	785	588	356	272	142	Φ144	136
300	1007	1054	1195	898	701	431	272	163	Φ144	136
400	1081	1129	1276	1188	991	595	272	202	Φ198	136
500	1071	1138	1311	1090	1005	465	390	227	Φ244	195
800	1071	1138	1311	1270	1185	616	390	229	Φ244	195
1000	1071	1138	1311	1510	1431	764	390	230	Φ244	195

## Dimensions (unit:mm)

1500m<sup>3</sup>/h



2000m<sup>3</sup>/h

