

FRESH AIR DEHUMIDIFIER

■ AV-HTRW30



*Innovative Air Solution
for Energy Saving*

Guangzhou Airwoods Environment Technology Co., Ltd.



Working Principle

After the outdoor fresh air is filtered by the primary filter (G4) and the high-efficient filter (H10), it exchanges sensible and latent heat with the exhaust air through the total heat recovery wheel, then enters into the evaporator for dehumidification, then further reheated by the condenser before it's sent into the room. At the same time, the indoor exhaust air after filtered passes through the total heat recovery wheel to exchange energy with outdoor fresh air and then be extracted to outdoors.

Advantages



Internal rubber board insulation design



High efficiency dehumidification



Total heat recovery wheel, sensible heat efficiency >70%



Wall-mounted installation (only)

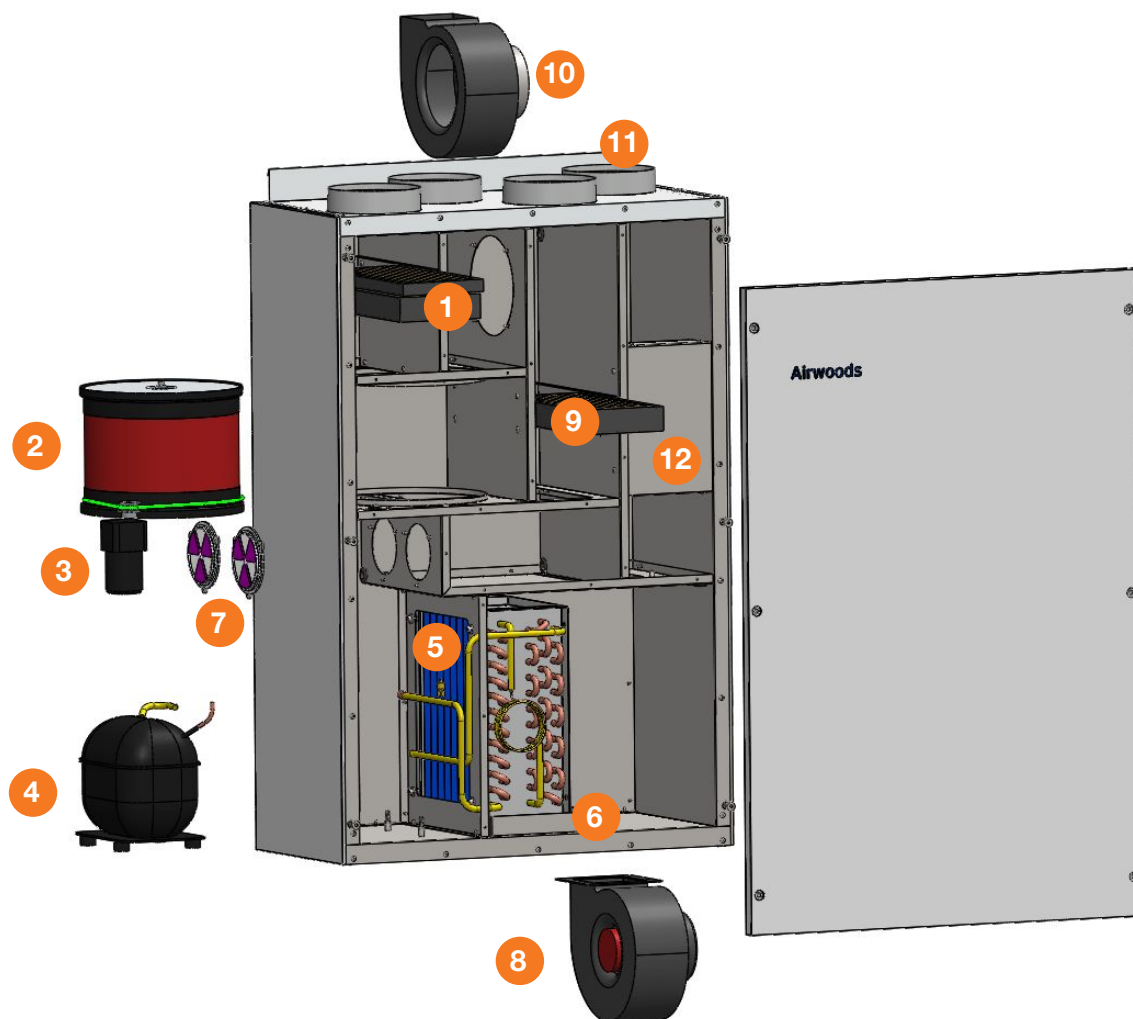


EC fan, 6 speeds, adjustable airflow for each speed



Pressure difference gauge alarm or filter replacement alarm (optional)

Product Construction



1 Outdoor air filter G4+H10

2 Total heat recovery wheel

3 Wheel motor

4 Compressor

5 Evaporator+ condenser

6 Stainless steel water tray

7 Built-in bypass valve

8 Supply air fan

9 Return air filter G4

10 Exhaust air fan

11 Supply air outlet DN150

12 Wiring box

Performance Data

Model No.	Rated airflow	Maximum external pressure	Total heat efficiency	Latent heat efficiency	Rated dehumidification capacity	Rated power	Power supply
AV-HTRW30	300 CMH	128 Pa	70%	50%	24KG/day	1.1KW	220v/50hz/1ph

Remarks:

The above parameters are tested under the following conditions:

1. The rated dehumidification capacity is based on the outdoor air condition of 30°C/80%, excluding the effect of heat recovery.
2. Heat recovery efficiency is based on the conditions of outdoor fresh air 36/60%, indoor fresh air 25/50%.
3. Rated power refers to the equipment power under the standard dehumidification conditions (30°C/80%).

Physical Data

Model No.	AV-HTRW30
Height (A)	1050 mm
Width (B)	620 mm
Thick (C)	370 mm
Air inlet/outlet diameter (D)	ø150 mm
Weight	83 KG

