CHRU-B150

- Static heat recovery unit
- Static, plastic
- 150 m³/h
- Wi-Fi
- Ductless

Heat recovery units type CHRU-B150

The wall mounted energy recovery ventilator, which integrates air purification and energy recover function.
Characteristics

- Innovative 3-layer filtration
- Multiple HEPA purification of 99%
- High efficiency fans with DC motors
- Ventilation - supplies fresh air and extracts stagnant air to improve the microclimate
- Energy recovery - the indoor heat exchanger uses the heat from the exhaust indoor air to heat or cool the incoming fresh air to a temperature close to the room temperature.
- Heat recovery with an efficiency up to 80%
- Low noise – equipped with a fan designed for quiet operation
- Ventilation and air filtration - the built-in filter purifies the air removing dust and small particles
- Remote control
- Air quality Index(AQI) monitoring

Application

- Heat recovery for small, medium rooms: classrooms, small offices, living rooms.

Brand

Cairox

Composition

This product is made of supply fan, exhaust fan, heat exchanger, primary filter, medium filter, activated carbon filter and HEPA filter at OA side, primary filter at RA side.

Accessories

- Installation panel
- Power cable
- Remote control
- PVC Ducts
- OA and EA Side/Back cover
- Air vent flange

- Air inlet/outlet grilles
- Rain proof cover
- Sealing rings
- Back plate insulation foam

Text for tender

It has functions as below:

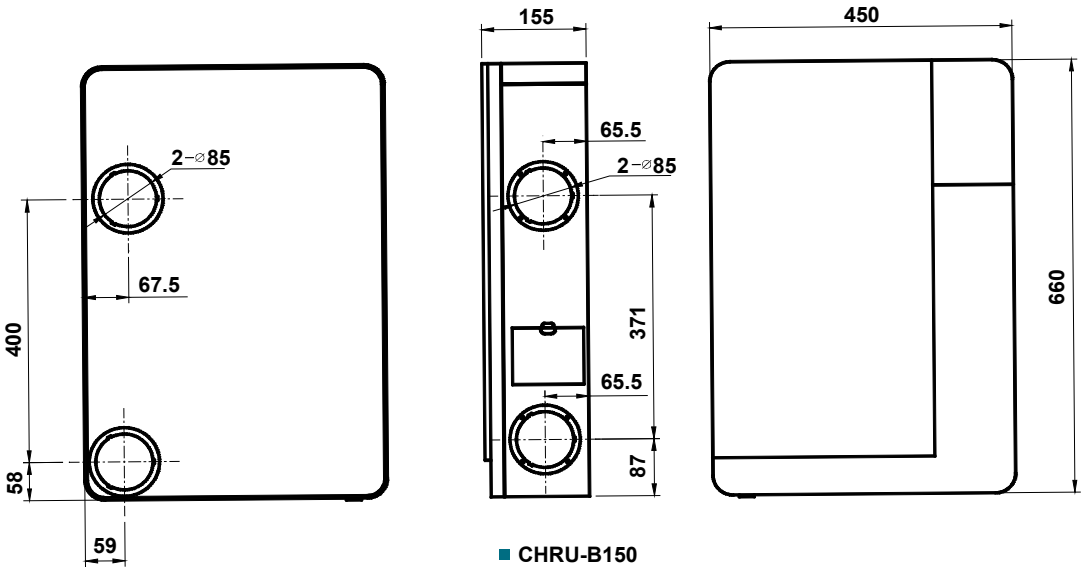
- Fresh air purification: after the outdoor air driven by supply fan and go through the primary filter, it will have energy exchange with the RA in the heat exchanger; and after the fresh air further filtered by the HEPA filter, then sent to indoor; meanwhile, the EA fan will exhaust the polluted air to the outdoor, so to improve the indoor air quality.
- Energy recover: Usually the temperature difference between indoor and outdoor is very large. When the indoor is under the comfortable temperature and humidity, it will increase the burden of air conditioning system if we send the fresh air to indoor directly after filtering. In order to avoid this situation, our ERVs are all equipped with heat exchanger, which can recover the energy of EA and then recycle to OA, this function will greatly decrease the loss of energy.

Efficiency

Ecodesign Information

According to Regulation EU No 1253/2014 of the European Commission, implementi

Model			
Specific energy consumption (SEC) [kWh/(m2.a)]	Cold		
	-79.28	A+	-40
Type of ventilation unit			Bi
Type of drive installed			Ei
Type of heat recovery system			Re
Thermal efficiency of heat recovery [%]			
Maximum air flow rate [m3/h]			
Power [W]			
Sound power level [dBA]			
Reference air flow rate [m3/s]			
Reference pressure difference [Pa]			
Specific power input (SPI) [W/(m3/h)]			
Control typology			Local d
Maximum internal leakage rate [%]			
Maximum external leakage rate [%]			
Mixing rate of bidirectional units [%]			
Airflow sensitivity at +20Pa and -20Pa			
The classification of the indoor/outdoor air tightness [m3/h]			
The annual electricity consumption (AEC) [kWh electricity/a]	Cold		
	7.54		
The annual heating saved (AHS) [kWh primary energy/a]	Cold		
	89.4		



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