menred

IEC5.350E
Energy Recovery Ventilator

Temperature efficiency	77.6%
Humidity efficiency	73.2%
Enthalpy efficiency	76.2%

ebmpapst
Germany EBM DC
double air inlet centrifugal motor
Motor power
Max.75w~Min.15w

Exhaust air

Fresh air
Temperature: 17.46℃
Moisture content: 5.07g/kg dry air
Relative humidity: 41.7%

Outside air
Temperature: 5℃
Moisture content: 3.03g/kg dry air
Relative humidity: 57%

Temperature: 21℃
Moisture content: 5.82g/kg dry air
Relative humidity: 38.2%
O₂

Return air

EPP heat preservation
& noise reduction

Measured air outlet PM2.5≤10μg/m3
No cross flow leakage between fresh
air and return air
Meet medical standard

Water molecules migrate to the outdoors
Compared with direct air supply:
remove air moisture max. 3kgs per hour

ConsERV™
Energy recovery
exchange core
Nanometer membrane
Dehumidify in summer/keep humidity in winter

America **3M**
High efficient 3M

Recommendation
Each person needs air volume 30m³ per hour/
The room needs to replace air 0.6 times/hour

Jointly developed with Dais from the United States;
heat and humidity exchange efficiency≥75%

No mold when humidity reaches 99%; no freeze at minus 30℃
Dehumidify in the south / humidify in the north

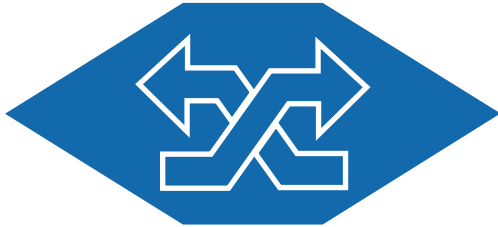| EPP	America 3M	ebmpapst	DAIS	(no compressor)
Heat preservation& noise reduction	PM2.5 filter	Germany DC air inlet motors	Energy recovery exchange core Washable	No compressor No condensation& Dehumidification

air

ConsERV™ Ventilation System Features

Particles, mold, fungus, smells, smoke and water molecules are all exhausted outside.

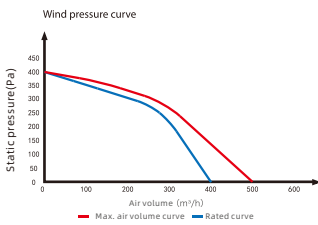Filtered and dehumidified fresh air are supplied indoors

ConsERV™ using nanometer membrane technology and fixed plate design, is able to realize high efficient exchange of latent heat and sensible heat, and solves various ventilation problems.
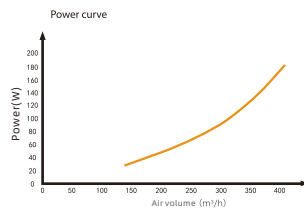
ConsERV™ system is easy to maintain and only requires replacing the filter regularly. No additional power is required. The stable operation is achieved through airflow itself. Zero leakage can also prevent cross-contamination. Stable performance helps users not only to save costs in selecting air conditioners, but also to savea lot of operating costs.

ConsERV™ adopting nan-membrane as core material, improves the efficiency of the whole system, and is suitable for both winter and summer. In cold and dry winter, ConsERV™ uses return air to transfer moisture and heat to dry and cold fresh air. In hot and humid summer, it removes moisture and heat from fresh air. ConsERV™ works continuously throughout the year to provide users with comfortable living environment and save energy.
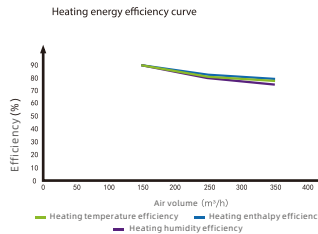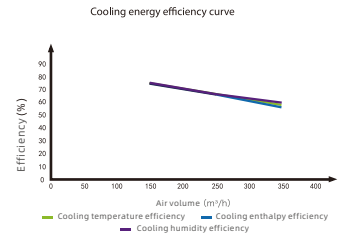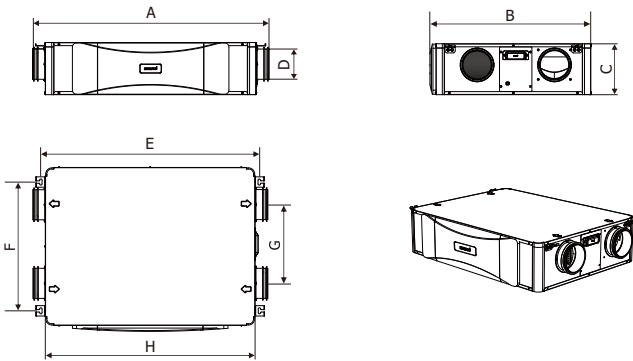
Outside air   Indoor return air

Performance curve

Wind pressure curve

Power curve

Heating energy efficiency curve

Cooling energy efficiency curve

- Max. air volume curve Rated curve

- Heating temperature efficiency Heating enthalpy efficiency
- Heating humidity efficiency

- Cooling temperature efficiency Cooling enthalpy efficiency
- Cooling humidity efficiency

Air volume

Energy saving

Heating full heat exchange

Cooling full heat exchange
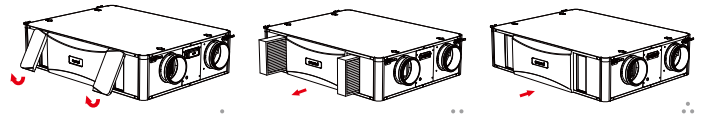
Outline dimension and performance parameters

	A	B	C	φD	E	F	G	H
IEC5.350E	1130	790	250	150	1055	620	380	1010

Note: if the design changes, the above data will be modified without prior notice. Please refer to the product for the exact size.

Technical data

Model	IEC5.350E
Power supply(V/Hz)	220/50
Air volume(m^3/h)	350/250/150
Max.power(W)	180
Noise(dB(A))	36/29/23
Effective air change rate(%)	99
Filtration efficiency(%)	99
Weight(kg)	35
Filter model	F1118

Filter replacement

1. When the indicator in the controller turns into red, the filter needs to be replaced in time.
2. Open the filter cover as shown in figure 1.
3. Take out the filter from the direction as shown in figure 2.
4. Put the replaced filter into the corresponding track and close the cover as shown in figure 3.
5. Turn to the filter setting in the controller. Long press the filter progress bar for 5 seconds to reset. When the filter shows 100%, the reset is completed.

Controller and sensor (order separately)

LS7.33+Wi-Fi   Air quality sensor   CLS5.0+Wi-Fi   Air quality sensor

Model	Specification
LS7.33+Wi-Fi	LS7.33+Wi-Fi LCD controller
	AQI2000.PM2.5+CO_2+RH
	AQI2000.CO_2+RH
	AQI2000.PM2.5+RH
CLS5.0+Wi-Fi	CLS5.0+Wi-Fi 5 inch HD colorized controller
	AQI2000.PM2.5+CO_2+RH

air