

Eco-Smart Plus Energy Recovery Ventilators



New Eco-smart Plus ERV Energy Recovery Ventilator is upgraded to comply with ERP2018. The fans built-in are more efficient, energy consumption reduces by up to 50%. The intelligent controller is improved for more reliable and user friendly operation. Ideal ventilation solutions for energy efficient buildings to reduce energy consumption while achieving comfort indoor climate.



DC Motor



Innovative Counterflow
Heat Exchanger



10 Speeds



Filter Alarm



Auto Bypass



Intelligent Control

Main Feature of Eco-Smart Plus ERV Energy Recovery Ventilators:

1. Wide range air volume from 150m³/h to 2000m³/h, 10 speeds control
2. High efficiency brushless DC motor, ERP 2018 compliant
3. High efficiency counterflow heat exchanger, efficiency up to 80%
4. Auto summer bypass, auto winter defrost, weekly time, RS485 integrated (BMS)
5. Optional CO₂ sensor to control CO₂ concentration
6. Multiple auto defrosting mode, outdoor operation temperature down to -15°C

Specifications of Eco-Smart Plus ERV Energy Recovery Ventilators:

| Model | Rated AirFlow (m ³ /h) | Rated E.S.P (Pa) | Enthalpy efficiency % | | Temperature efficiency % | Noise dB(A) | Voltage (V) | Power Input (W) | Weight (kg) |
|----------------|-----------------------------------|------------------|-----------------------|---------|--------------------------|-------------|-------------|-----------------|-------------|
| | | | Cooling | Heating | | | | | |
| XHBQ-D1.5DCTPA | 150 | 75 | 63-70 | 70-76 | 75-82 | 31.5 | 220 | 26 | 25 |
| XHBQ-D2.5DCTPA | 250 | 85 | 63-73 | 70-75 | 75-82 | 34.5 | 220 | 46 | 29 |
| XHBQ-D3.5DCTPA | 350 | 90 | 66-72 | 69-75 | 75-84 | 37.5 | 220 | 60 | 37 |
| XHBQ-D5DCTPA | 500 | 100 | 62-74 | 67-75 | 75-86 | 39 | 220 | 88 | 43 |
| XHBQ-D6.5DCTPA | 650 | 85 | 62-70 | 68-73 | 75-84 | 39.5 | 220 | 114 | 64 |
| XHBQ-D8DCTPA | 800 | 130 | 65-74 | 71-77 | 75-84 | 42 | 220 | 186 | 71 |
| XHBQ-D10DCTPA | 1000 | 110 | 65-74 | 71-78 | 75-85 | 43 | 220 | 243 | 83 |
| XHBQ-D15DCTPA | 1500 | 75 | 65-74 | 71-77 | 75-84 | 50 | 220 | 372 | 165 |
| XHBQ-D20DCTPA | 2000 | 60 | 65-74 | 71-78 | 75-85 | 51.5 | 220 | 486 | 189 |