



Eco-Smart Plus ERV

More Energy Saving More Comfort

New Eco-smart Plus 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.



Energy efficiency class of A according to regulation EU.No.1254/2014.



Heat and humidity recovery for optimized air comfort



Multiple auto defrosting mode, outdoor operation temperature down to -15 °C



Energy saving BLDC motor, 10 speeds control



Auto bypass, intelligent controlled by outdoor temperature



Innovative high efficiency counterflow heat exchanger



Intelligent control system, optional CO₂ and humidity control function, external control and BMS control available

Model	Rated Air Flow (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

Eco-Smart Plus Energy Recovery Ventilators



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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:

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