



# Eco-Smart HEPA Energy Recovery Ventilator

Modern buildings are being built tightly to improve energy efficiency. Eco-smart HEPA ERV is ideal ventilation solution for energy efficient buildings to reduce ecological footprint and improve human health. The energy can be saved by using DC motors and improving energy efficiency with smart control system, to achieve eco friendly climatic experience.



DC Motor



High Efficiency  
Heat Exchanger



G3+F9 Filter



Different Pressure  
Gauge Alarm



Auto Bypass



Intelligent Control



## Higher Energy Efficiency and Ecology by Powerful Motors

Full series Eco Smart energy recovery ventilator are built in higher efficiency brushless DC motors, power consumption is reduced by up to 70%, resulting in significant energy saving. VSD control which is suitable for most of the projects air volume and ESP requirement.

## Smart Different Pressure Gauge Alarm

Full series is equipped with F9/F7 filters and different pressure gauge as standard, filter cleaning alarm will be activated if the filter pressure drop exceeds the maximum allowed final pressure drop.



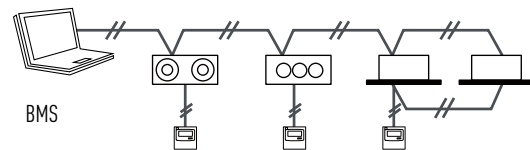
## High Efficiency Heat Exchanger

High efficiency enthalpy heat recovery, more comfortable indoor climate.

## Specifications

Model	Rated Airflow (m³/h)	External Pressure (Pa)	Enthalpy Efficiency (%)		Temperature Efficiency (%)	Noise dB(A)	Voltage (V)	Power Input (W)	N.W. (kg)
			Cooling	Heating					
XHBQ-D13DMTHA	1300	135	58-71	59-75	74-82	43	220-240	405	81

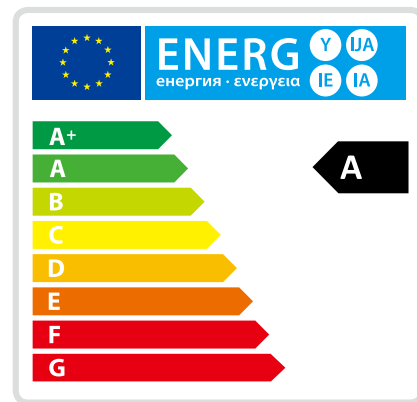
## Linkage with External A/C System or BMS Control



## Automatic Energy Recovery Ventilation or Nature Ventilation

In summer or winter when cooling or heating devices are in used. Bypass system is closed for energy recovery, when in spring or autumn when the outdoor temperature is soft, bypass system is open for nature ventilation.

## Energy Efficiency Class of A or A+ According to EU NO. 1254/2014



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