



Quantum HR

Alternate Flow Supply & Extract
Fans with Heat Retention

Quantum HR

Product Overview

Application

A continuously running, low energy, ultra quiet, alternate flow supply and extract fan with heat retention for use in habitable areas such as living rooms, bedrooms, dining rooms, basements and hallways.

The unit helps a room “breathe” and reduces indoor air pollutants and humidity levels. The unit is ideal for tackling problems associated with condensation dampness such as mould growth.

Operation

Every 70 seconds the unit alternates between supply and extract fan modes. When in extract mode the unit’s high efficiency ceramic heat exchanger collects and retains heat from the extracted air. The majority of this heat is then transferred to the incoming air during supply mode.

This method of operation avoids the short circuiting of air that can often happen with conventional single room heat recovery units, resulting in much more effective room ventilation.

Units can also be set to work in harmony with each other e.g. when a unit in one room is extracting air another unit in another room can be set to supply air. This can greatly enhance cross ventilation and ventilation effectiveness in a home.

Features / Benefits

Extremely low power consumption

Costs less than £2 a year to run for continuous operation on low speed.

Energy efficient Integral Regenerative Heat Exchanger with up to 90% efficiency.

Ultra quiet Almost imperceptible noise levels on lower settings.

Aesthetically pleasing Attractive internal front fascia blends well with most wall finishes.

Wide application range 2 models each with 3 different airflow settings to choose from.

Rigorously tested to relevant standards Each fan is individually tested prior to leaving the factory.

Optional user controller Which can control 1-4 units allowing selection of off/speed 1/speed 2/speed 3/extract or supply only.

Warranty Each Quantum HR has a 1 year warranty as standard.

Condensation control & improved air quality for bedrooms, living rooms, dining rooms, hallways & basements

**ULTRA QUIET
VERY LOW RUNNING COSTS
WIDE OPERATING RANGE
VARIOUS CONTROL OPTIONS**

**ENERGY
RATING A**



Performance Data

Model	Airflow L/s	Power W max	Sound Pressure dB(A) @ 3m
Quantum HR 100	3 / 4 / 7	1.2 / 1.7 / 2.6	9 / 15 / 29
Quantum HR 150	6 / 11 / 17	1.4 / 2.3 / 3.8	8 / 18 / 26

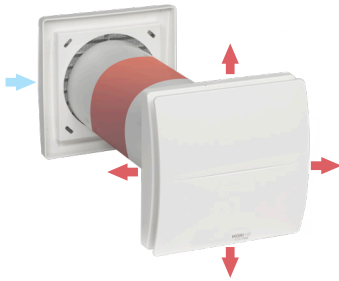
220-240V, 50Hz. Air performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 kg/m³. Data measured in our TÜV Rheinland accredited laboratory. Pressure sound level at 3m in free field.

Heat Retention

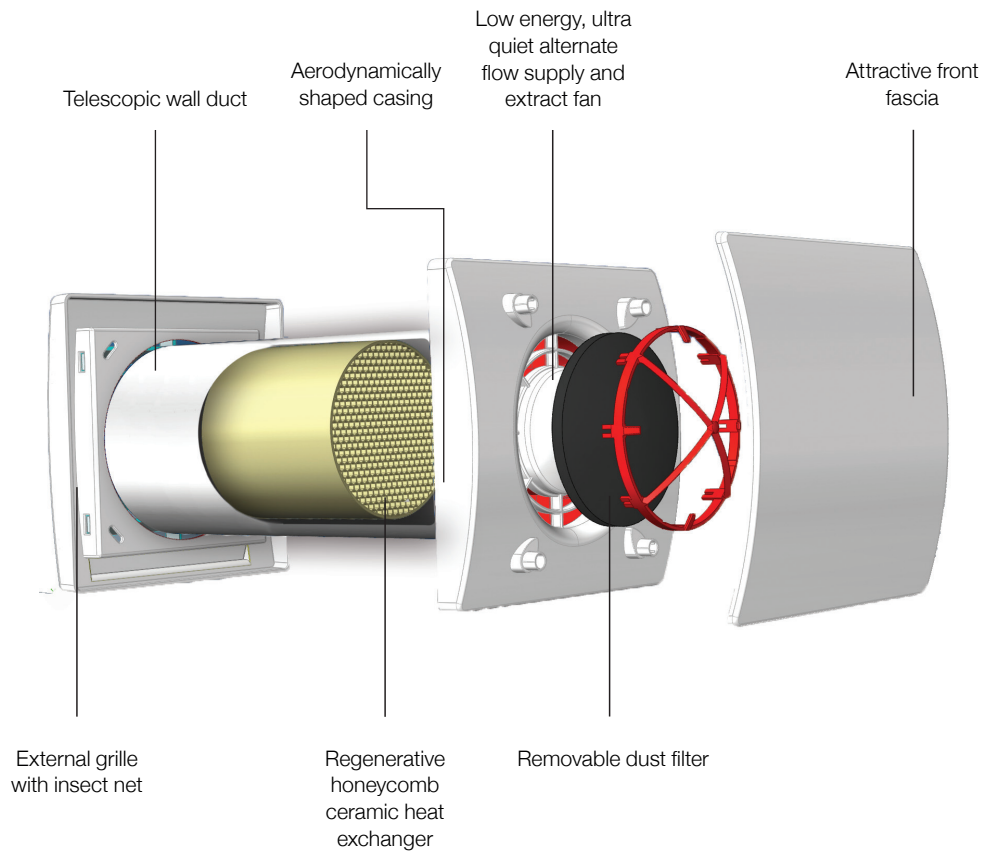


Unit on extraction and heat retention mode

Heat Transfer



Unit on supply and heat transfer mode



Controls

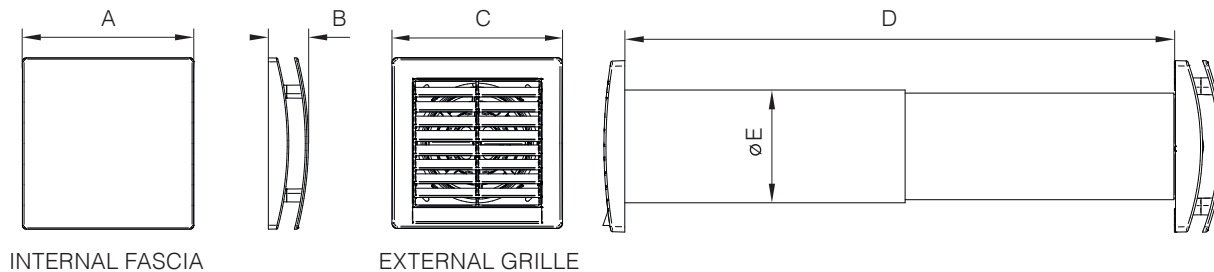


Optional user controller to operate 1-4 units.
149-SEN-CTRLS-P

Dimensional Data

Model	A	B	C	D	E
Quantum HR 100	164	46	164	270-510	108
Quantum HR 150	218	51	218	300-560	158

Dimensions in mm.



INTERNAL FASCIA

EXTERNAL GRILLE



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Quantum HR. ISSUE B. 01.21.