

WHHR400DC

SAP Q Eligible

WHOLE HOUSE HEAT RECOVERY UNIT



FEATURES

- Highly efficient, low energy solution to condensation and pollutant control
- Continuous ventilation in kitchen plus up to 7 additional wet rooms
- Up to 83% heat exchange efficiency
- Low noise levels
- Building Regulations Part L and Part F compliant
- SAP Q Eligible

GENERAL

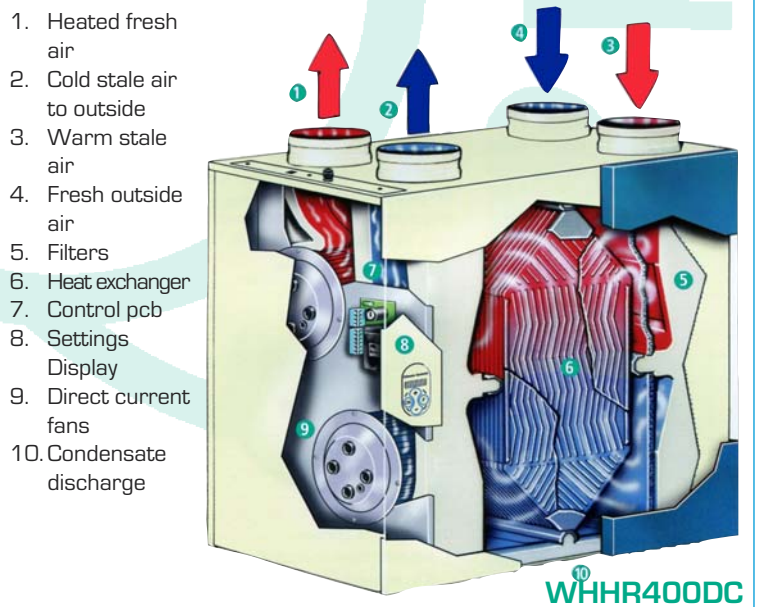
- SAP Q eligible whole house heat recovery units for homes
- continuous ventilation in kitchen and up to 7 additional wet rooms
- airflow at 150Pa - 400m³/hr
- suitable for areas up to 300m²
- up to 83% of heat is recovered from air extracted from warm, moist rooms to create a stable, comfortable, healthy environment
- constant flow fans keep air flow rate at same level under all conditions
- easy to install
- for fitting into lofts or cupboards
- multiple choice low (trickle) speed and boost options
- boost speed options available
- speeds can be varied via:
 - manual activation from 3 position switch
 - optional remote RF boost switch
 - optional externally interconnected sensors
- optional summer bypass/frost protection
- low noise levels
- low running costs
- integral filters which remove 95% of dust from incoming air
- guaranteed for 3 years
- Vectaire Ltd can supply all accessories for use with these units, including ducting and metal filters, outside grilles and wall cowls

SPECIFICATION

- compact units
- powder coated steel casing
- incoming air via a G6 pollen filter
- heat exchanger protected by G4 filters
- easy access for filter maintenance
- fan/motor assembly with sealed for life bearings and forward curved impellers
- WHHR400DC connection via 180mm spigot
- 20mm external dia condensate discharge
- operates in ambient temperatures of up to 40°C
- full digital control

COMPLIES WITH

- Part L of Building Regulations for enhanced energy saving capability
- Part F of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Conforms to requirements of EC Council directives relating to Electromagnetic Compatibility and Electrical Safety: 2006/95/EC (LVD), 2004/108/EC (EMC)EN 60335-1:2002/A2:2006, EN 60335-2-80:2003/A1:2004.
- CE marked
- SAP Q eligible



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WHHR400 - TECHNICAL INFORMATION

ENERGY LEVEL PERFORMANCE - using rigid ducting

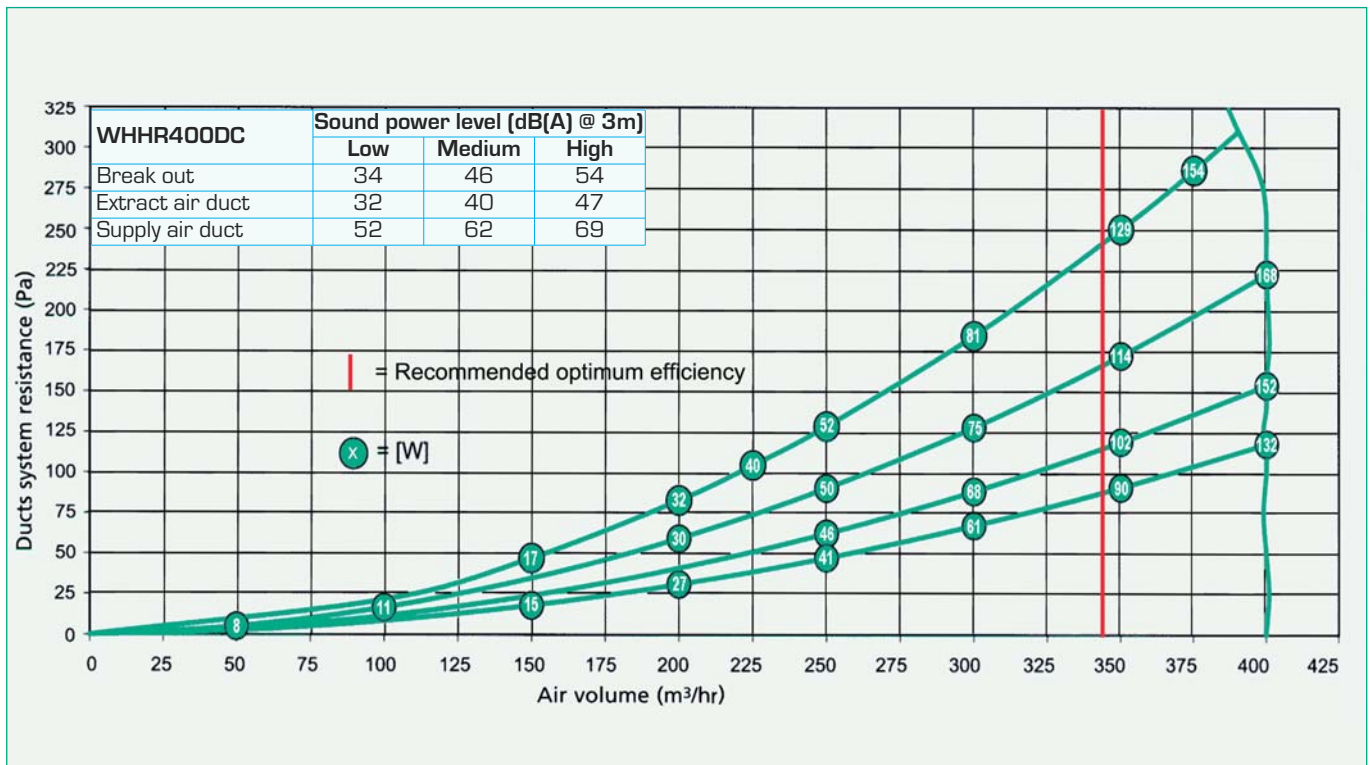
Exhaust Terminal Configuration	Fan Speed Setting	Specific Fan Power (W/l/s)	Heat Exchange Efficiency (%)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 1 additional wet room	85m ³ /hr	1.07	82	no
Kitchen + 2 additional wet rooms	110m ³ /hr	0.94	83	no
Kitchen + 3 additional wet rooms	135m ³ /hr	0.93	83	no
Kitchen + 4 additional wet rooms	160m ³ /hr	1.03	81	no
Kitchen + 5 additional wet rooms	185m ³ /hr	1.12	81	no
Kitchen + 6 additional wet rooms	195m ³ /hr	1.17	82	no
Kitchen + 7 additional wet rooms	210m ³ /hr	1.40	80	no

Figures from BRE test results

TECHNICAL SPECIFICATION

Model	m ³ /hr @ 150Pa	Watts	Duct Connection dia mm	Dims H x W x D	Weight kg
WHHR400DC	400 max	300 max	180 mm	602 x 675 x 430 (510 with bypass)	32

PERFORMANCE



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