

# WHHRM300DC

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 90% heat exchange efficiency
- Low noise levels
- Building Regulations Part L and Part F compliant
- EST Best Practice Performance Compliant

### 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 - 300m<sup>3</sup>/hr
- suitable for areas up to 250m<sup>2</sup>
- up to 90% 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 humidity sensor
  - 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

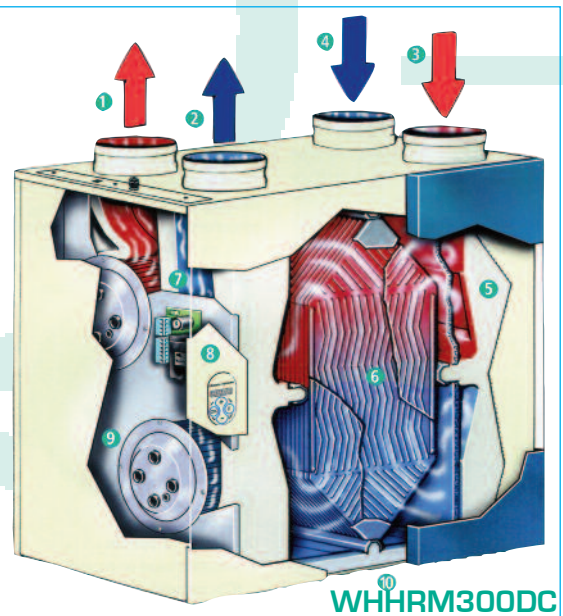
### SPECIFICATION

- 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
- WHHRM300DC connection via 150mm or 160mm spigots
- 20mm external dia condensate discharge
- operates in 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
- EST Best Practice Compliant

1. Heated fresh air
2. Cold stale air to outside
3. Warm stale air
4. Fresh outside air
5. Filters
6. Heat exchanger
7. Control pcb
8. Settings Display
9. Direct current fans
10. Condensate discharge



# WHHRM300DC - TECHNICAL INFORMATION

## ENERGY LEVEL PERFORMANCE - using rigid ducting

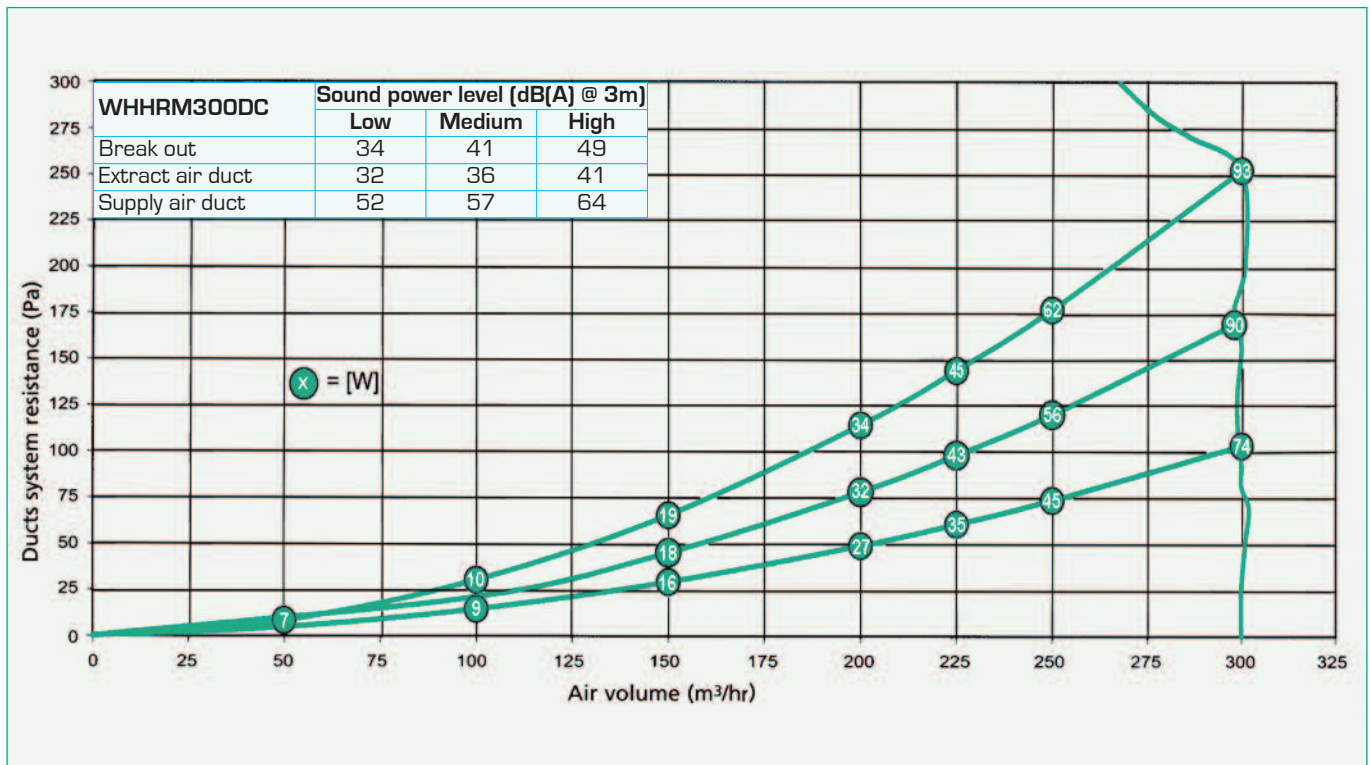
Exhaust Terminal Configuration	Fan Speed Setting	Specific Fan Power (W/l/s)	Heat Exchange Efficiency (%)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 1 additional wet room	100% variable	<b>0.66</b>	<b>90</b>	Yes
Kitchen + 2 additional wet rooms	100% variable	<b>0.59</b>	<b>90</b>	Yes
Kitchen + 3 additional wet rooms	100% variable	<b>0.62</b>	<b>89</b>	Yes
Kitchen + 4 additional wet rooms	100% variable	<b>0.70</b>	<b>88</b>	Yes
Kitchen + 5 additional wet rooms	100% variable	<b>0.80</b>	<b>87</b>	Yes
Kitchen + 6 additional wet rooms	100% variable	<b>0.93</b>	<b>85</b>	Yes
Kitchen + 7 additional wet rooms	100% variable	<b>1.10</b>	<b>85</b>	No

Figures from BRE test results

## TECHNICAL SPECIFICATION

Model	m <sup>3</sup> /hr @ 150Pa	Watts	Duct Connection dia mm	Dims H x W x D	Weight kg
<b>WHHRM300DC</b>	300 max	175 max	150 & 160 mm	602x675x420 (500 with bypass)	31

## PERFORMANCE



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