

## CONSULTANTS SPECIFICATION

### GENIE-DCE KITCHEN AND WET ROOM FAN

The unit shall be manufactured by Nuair.

Unit shall be SAP Appendix Q recognised.

Under wind load conditions the unit will be capable of maintaining it's set flowrate to within 5%.

The unit shall be surface mountable incorporating a push fit, washable filter with an area of 23,750mm<sup>2</sup> and capable of conversion, if necessary, to semi-recessed format using flange supplied or window mounting format using optional fixing kit.

Unit noise level shall not exceed 20dBA @3m for kitchens and 18dBA for wet rooms (normal running).

The unit shall incorporate an injection moulded forward curved centrifugal impeller.

The impeller shall be directly driven by a low energy, high efficiency 12V DC motor, fitted with sealed, self lubricating ball bearings.

Motors shall have locked rotor protection to prevent overheating in the event of fan failure.

The fan/motor assembly and the unit control assembly shall be capable of replacement as "plug in" modules without disturbing the field wiring.

Each unit is capable of being set to comply with new edition (2010).  
Part F – ventilation building regulations for (System 3) continuous mechanical extract (MEV) and new edition (2010) Part L - conservation of fuel and power.

Units shall be fitted with a run-on timer facility (1-60 minutes), from switched live signal only.

Unit can comply with BRE digest 398 under continuous mechanical extract ventilation.

Meets the minimum fan power requirement of 0.5w/l/s in the in 'Domestic Building Services Compliance Guide' (2010 edition).

Fan status indication to be visible on front of unit, with flashing LED to show fan failure.

Plastic casing to be manufactured from flame retardant materials.  
The unit shall be designed for quietest operation to ensure occupant satisfaction.

The unit shall incorporate electrical connections to allow for the unit's "boost" airflow to be triggered by either pull-cord or switched live.

The unit shall be supplied with a 5 year warranty.