

## TECHNICAL SPECIFICATION FILTERLESS EXTRACT FAN



### Specification Statements

#### Kitchen

- The contractor shall provide a centrifugal kitchen extract fan where detailed on the schedule of works.
- The fan shall be a continuous running 2-speed Filterless Extract Fan and incorporate Intellitrac® Technology, the unique humidity tracking controls, which enables the fan to automatically increase and decrease speed in direct correlation with indoor relative humidity and occupancy levels.
- The fan should also have a double helix expansion chamber and cyclone technology to assist the unrestricted flow of moisture laden contaminated air from room to atmosphere with quiet running and a pullcord to boost for odour control.
- For safety and ease of cleaning, the fan should have a 'Hall Effect' magnet to isolate the fan when the front cover is removed. There should be a robust forward curved quick release impeller. The fan should be pre-wired with 1.3 metre length of flexible cable to speed up installation and consume no more than 24 watts on boost speed (53 l/s) and 2 watts on trickle (11 l/s).
- The fan shall have a removable 4" spigot which converts to 6" spigot by means of a kit for installation in any situation.
- The fans should have a factory fitted back draught shutter.
- The fan should be powered by an Ultra Low Watt DC motor.
- The plastics should be of acrylonitrile-butadiene-styrene-copolymer (ABS), treated with UV stabilizer to prevent discolouration.
- The fan should come branded with the client's logo. Any changes to the logo must be approved by the client.

### Applications

The extract fan shall be capable of wall, ceiling, window or duct mounting to meet the Building Regulations Part F. The one fan shall ventilate any domestic kitchen, utility room, bathroom or shower room.

### Servicing / Maintenance Kitchen or Bathroom Fan

The fan shall have an ongoing, maintenance free, five year warranty.

After the warranty has expired and / or the fan has stopped working after 5 years, the only maintenance required shall be achieved by the removal and cost effective rapid replacement of an interchangeable central cartridge without removing the fan from the wall. This work does not require an electrically qualified person. This new cartridge shall have a five year maintenance free warranty.

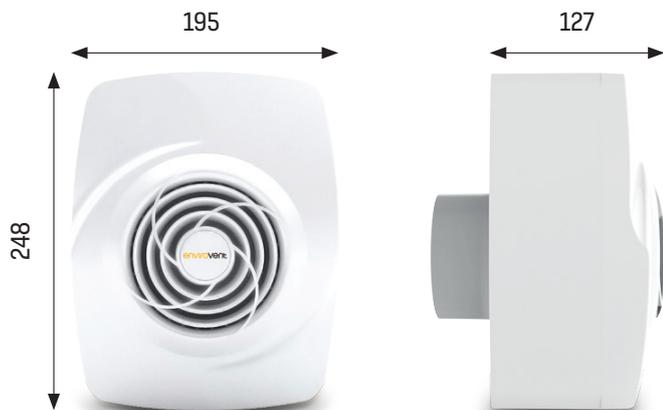
The old cartridge should be returned to the manufacturer for refurbishment. This ensures that no part of the fan should ever end up on landfill. The rear carcass should remain in position to ensure minimal disruption to occupier and no re-decoration is required.

#### Bathroom

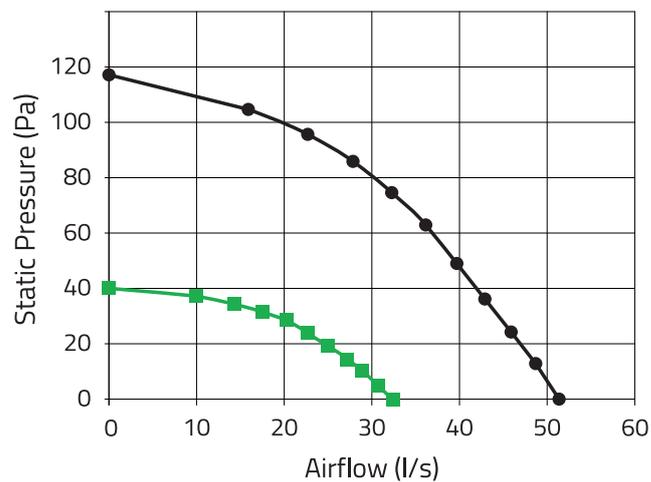
- The contractor shall provide a wall mounted centrifugal bathroom extract fan where detailed on the schedule of works.
- The fan shall be a continuous running 2-speed Filterless Extract Fan and incorporate Intellitrac® Technology, the unique humidity tracking controls, which enables the fan to automatically increase and decrease speed in direct correlation with indoor relative humidity and occupancy levels.
- The fan should also have a double helix expansion chamber and cyclone technology to assist the unrestricted flow of moisture laden contaminated air from room to atmosphere with quiet running and a pullcord to boost for odour control.
- For safety and ease of cleaning, the fan should have a 'Hall Effect' magnet to isolate the fan when the front cover is removed. There should be a robust forward curved quick release impeller. The fan should be pre-wired with 300mm length of flexible cable and consumes no more than 7 watts on boost speed (34 l/s) and 1 watt on trickle (9 l/s).
- The fan can be supplied in mains (IPX4) or SELV (IPX5) with a streamline SELV [Safety Extra Low Voltage] fused spur unit.
- The fan shall have a removable 4" spigot which converts to 6" spigot by means of a kit for installation in any situation.
- The fans should have a factory fitted back draught shutter.
- The fan should be powered by an Ultra Low Watt DC motor.
- The plastics should be of acrylonitrile-butadiene-styrene-copolymer (ABS), treated with UV stabilizer to prevent discolouration.
- The fan should come branded with the client's logo. Any changes to the logo must be approved by the client.

## TECHNICAL SPECIFICATION FILTERLESS EXTRACT FAN

### Size



### Performance Curve



● Kitchen Boost      ■ Bathroom Boost