

FAITH

CONSULTANTS SPECIFICATION

Extract fans shall be as Nuair 'FAITH' and Nuair 'FAITH-SELV' and include the following;

The fan shall be capable of a fully adjustable duty of between 4 and 25l/s. Increments shall be 4, 8, 10, 13, 15, 18, 20, 25 l/s.

The fan shall be complete with low-energy motors with sealed-for-life-bearings having a maximum of 5W consumption at 25 l/s. The fan must not exceed 0.5w of energy in 'stand-by' mode in compliance with the EUP Directive.

The motor shall have locked motor protection to prevent overheating in the event of fan failure.

The fan shall operate at a noise level of no more than 33 dBA at 3m when at maximum speed.

Boost activation shall be either by switched live or integral pull-cord.

The fan shall incorporate an adjustable humidistat which shall boost the unit to a selectable speed independent of the switched live or pull-cord boost facility.

The fan shall be capable of operating in 'continuous' mode with independent low level and boost settings ranging from 8 l/s up to 25 l/s complete with overrun facility ranging from 1-30 minutes.

The fan shall incorporate a control panel with three push-button-switches and three digit seven-segment-displays. The control panel should allow the adjustments of the following functions:

- Display litres per second (l/s)
- Continuous flowrate requirement between 4 l/s to 13 l/s
- Boost flowrate requirement by humidity between 6 l/s and 25 l/s
- Boost flowrate requirement by switched live or pull-cord between 13 l/s and 25 l/s
- Ability to set the installed condition in either "through wall" or "in-room" installation
- Select either fixed flowrate or constant volume. Selecting constant volume should allow the fan to speed up or slow down depending on the loading placed upon the fan
- Humidity trigger set point between off and 95%
- Run-on period – 0 to 30 mins
- 3 minute boost delay – unit will not boost unless switched live has been activated for more than 3 minutes

The fan shall be equipped with 100mm diameter outlet connection.

The front cover plate shall incorporate a safety feature which will, if removed, prevent the impeller rotating.

FAITH unit shall be suitable for 230v mains connection. FAITH-SELV shall be supplied with a housing incorporating a 24v DC safe extra low voltage (SELV) power supply.

The fan shall be IPX4 rated.

The case shall be made of 100% recyclable ABS.

The above shall be complete with a 5 year manufacturer's warranty (1 year parts and labour and 4 additional years parts only).

In addition to the above, the fan shall have the following options:-

Window mounting kit – Part Number FAITH-WKIT

Wall plate – Part Number FAITH-WP

Through the wall kits –

- Part Number FAITH-WALLKIT-WH (White)
- Part Number FAITH-WALLKIT-COT (Cotswolds)
- Part Number FAITH-WALLKIT-TC (Terracotta)
- Part Number FAITH-WALLKIT-BR (Brown)