

CONSULTANTS SPECIFICATION

FAN DESCRIPTION

The extract fan/s shall be located in the positions indicated on the drawings and in accordance with the relevant fan schedule.

The fan shall be of the XS type and shall be supplied complete with integrated low loss radial backdraught shutter, silent operation via a thermo actuator, room side grille, connection kit and external louvre/roof cowl to suit the particular application.

The high efficiency, low noise axial flow impeller shall be directly driven by an external rotor motor featuring enclosure protection to IP 44, class B winding insulation and maintenance free ball bearings. All models shall be suitable for air over motor temperatures of up to 60°C and 95% R.H (non-condensing).

The motor and impeller shall be dynamically balanced as an assembly.

Fan casing, impeller and shutter shall be manufactured from UV stabilised ABS polymer. All models shall include an economy/high efficiency setting facility and are dove grey in colour.

The fan shall be provided complete with integrated or remote controls as detailed in the schedule and as described below.

Where indicated the fans shall be interlinked and controlled from 1No. controller (up to 5 fans sizes 6 & 9, up to 3 fans size 12).

Fans shall be reversible via reversing switch on XS-MFC fan controller.

Fan to have a manufacturers 3 year warranty.

Fan to be of the XS type as manufactured by Nuaire Ltd.

FAN CONTROL OPTION

The fan shall be provided with either integrated sensor to activate the fan or one of the remote options:

INTEGRATED CONTROL OPTIONS:

- PIR (passive infra-red) movement detector (includes run-on timer), 2-40 mins
- Humidity sensor (includes run-on timer), 30-90% RH - 2-40 mins RT
- Air quality sensor (includes run-on timer), 2-40 mins
- Run-on timer (all adjustable between 2-40 mins)
- Temperature sensor (includes run-on timer), 5-35°C (fixed 2mm overrun)

REMOTE CONTROL OPTIONS:

- PIR (passive infra-red) movement detector (includes run-on timer), 2-40 mins
- Humidity sensor (includes run-on timer), 30-90% RH - 2-40 mins RT
- Air quality sensor (includes run-on timer), 2-40 mins RT
- Anti-tamper security strap.
- XS-MFC controller incorporating economy switch, reversing switch and rotary speed control –

1No. XS-MFC controller may be used to control up to 5 fans.

Fan, integrated controls or associated sensors/controllers shall be as manufactured by Nuaire Ltd all with a 3 years warranty.

The manufacturer's recommendations should be observed at all times.