

## CONSULTANTS SPECIFICATION

The ventilation fan Unit shall be configured and arranged as detailed on the drawings and in accordance with the schedule of equipment and shall be of the SQRBO type as manufactured by Nuair. The units shall be manufactured heavy gauge Aluzinc corrosion resistant steel, acoustically lined with class 'O' flame retardant acoustic foam and fitted with rigid circular spigots. The general construction is to class A leakage.

The fan performance and noise levels shall be as detailed in the fan schedule and in accordance with the manufacturers details.

The fan impeller and motor shall be selected to provide the most energy efficient solution conforming to part L regulations and shall be backward curve, direct drive with high efficiency motors to BS5000 as standard, class B insulation and IP44 protection. It shall be capable of operating at an ambient temperature of up to 50 degrees C (40 degrees C with speed control). The unit shall incorporate an access panel for removal of fan module and for general maintenance.

For ease of installation the unit shall be provided with a single fixing mounting bracket with integrated anti vibration seals.

The unit shall be supplied, where indicated, with an integrated silencer to form a compact package, avoiding unnecessary sound breakout from fan/silencer connections.

The contractor shall allow for all necessary ductwork transformations to and from the fan unit and any associated components in accordance with the manufacturers recommendations, DW 144 and general good practice.

The Fan unit shall have a 3 year warranty.

The fan and ancillaries shall be of the SQRBO type as manufactured by Nuair Limited.

All other components shall be in accordance with the manufacturer's specification.