



***Suggested Specification For JBC Series Fume Exhaust Fan**

Fume Exhaust Fan

The fume exhaust fan(s) shall JBC Series expressly suitable for the purposes of corrosive fume extraction.

The fume exhaust fans shall be of the backward inclined centrifugal type with non-overloading characteristics.

Fan casings shall be fabricated from UPVC and shall have single thickness blades.

Impellers shall be moulded from polypropylene with the shaft being sealed from the air stream; the impellers shall be statically and dynamically balanced.

Fans shall be belt driven and bearings shall be of the ball or roller type with readily accessible grease points.

Motor base, bearing pedestal, etc, shall be constructed from mild steel and is then to be zinc plated then finished with powder coat.

Cadmium plated nuts and bolts are to be used externally.

Fans shall be driven by a means of a weather proof TEFC squirrel cage induction motor 420 volt 3 phase power supply of ample capacity for the required duty on continuous operation and starting.

Each exhaust fan should be capable of providing a velocity rate of not less than 0.5m/s across the open face of the fume cupboard, after taking into consideration the pressure losses throughout the extract system.