THE RANGE covers four fan diameters namely - 400, 500, 630, and 800mm. Each fan size is available in two speeds giving a range of volumes from 0.25 m³/s to 4.5 m³/s at pressures up to 125 Pa.

FAN WITH MOUNTING PLATE
Maxair fan sizes 400 and 500 are generally supplied fully assembled, complete with an electro coated pressed steel mounting plate incorporating an integral bell mouth orifice for optimum performance, an epoxy powder coated motor side screen, electric motor, neoprene anti-vibration mounts and balanced impellers.

FAN WITHOUT MOUNTING PLATE
Maxair fan sizes 630 and 800 are generally supplied in component kit format, complete with electric motor, neoprene anti-vibration mounts, mounting arms and balanced impellers, for fixing to customer's equipment. (Electro coated mounting plates and screens are available on request)

IMPELLERS
Incorporate heavy gauge pressed steel blades, contoured for smooth airflow, to move large air volumes with low power consumption at relatively low noise levels. Blades are mounted on pressed steel hub plates. Impellers are balanced to I.S.O. 1940 - G6.3 standard.

MOTORS
Motors are totally enclosed with IP55 protection, specifically designed to match their respective impellers. Most fans are available for either 230V single phase or 400V three phase power supply. Single phase motors are of the capacitor start - capacitor run type.
Electrical performance complies with BS 2613/1970. Motors have Class F insulation and are suitable for operation at ambient temperatures from -25 °C to 40 °C and in relative humidities up to 95%.

BEARINGS AND LUBRICATION
All motors have sealed ball bearings, lubricated for life. The motors have a 40 000 hours statistical bearing design life (L10).

CONNECTIONS
A terminal block is contained within the non-drive end cover of each motor. Screwed conduit entry is provided. The terminal covers are dust and splash proof.

VOLTAGES
Standard voltages are:
- Three phase - 400 volts
- Single phase - 230 volts
- Frequency - 50 Hz.
Other voltages, frequencies and degree of insulations are available on request.

MOUNTING PLATES
Each mounting plate incorporates an integral pressed bell mouth orifice as a standard feature. These mounting plates are designed for use as diaphragm plates when duct mounting is required.

VIBRATION ISOLATORS
All fans are supplied with neoprene vibration isolating fixings, located at the extreme ends of the mounting screens / mounting arms. These are designed to minimise the transmission of vibration from fans to their mountings.

DIRECTION OF AIR FLOW
All fans can be assembled to give either Form A or Form B direction of air flow as shown in the diagram. (Standard airflow is Form A)
All fans are suitable for mounting at any angle.

FINISH
The highest degree of corrosion resistance of steel and alloy components is ensured by an electro coated finish on all carbon steel surfaces.
Motor side and impeller side guards are protected with red epoxy coatings.
Bolts, nuts, etc. are supplied zinc plated.

PERFORMANCE DATA
All performance data is based on tests carried out in accordance with BS 848 : Part No.1 : Test Method Nos. 6 and 8.
Ratings are based on air having a density of 1.2 kg/m³ corresponding to a temperature of 20 °C, a barometric pressure of 101.325 kPa, and a relative humidity of 62%.

SOUND LEVELS
The sound data indicated on performance charts are shown as both average A-Scale Sound Levels and Sound Power Levels (dB(A), re 10⁻¹² watt). All measurements have been taken strictly in accordance with BS 848 : Part 2 :
All technical information contained herein is subject to change without prior notice.