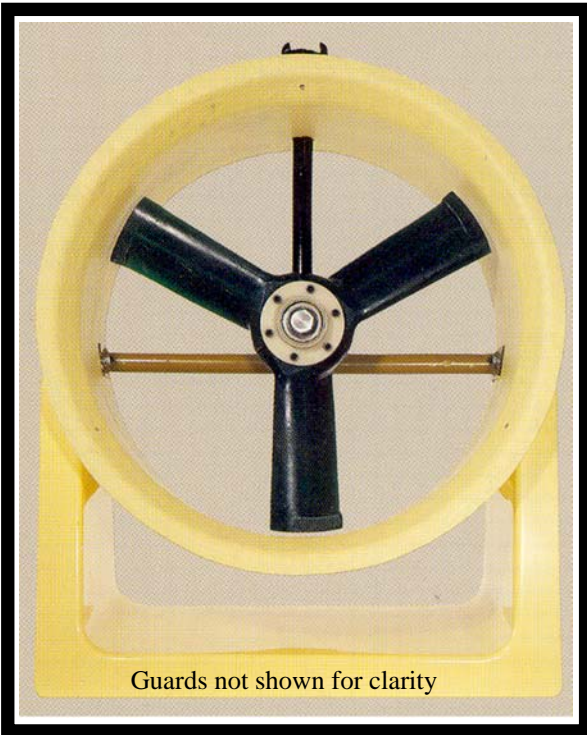


# 500mm (20") F.R.A.S. AUXILIARY VENTILATION FAN



**COMPLIES WITH MDG No.37 June, 1996**  
**MINES DEPARTMENT APPROVAL No. MDA910091 & 910091/A**

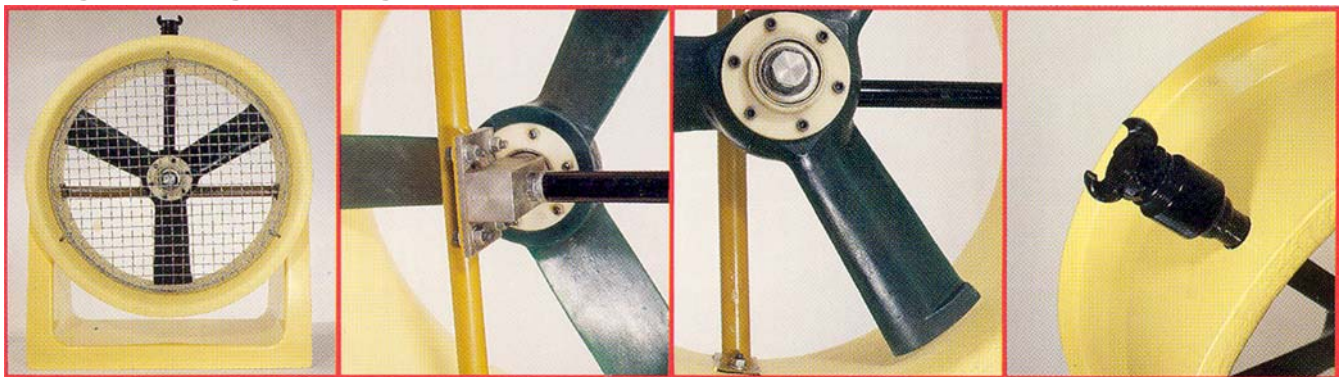


Guards not shown for clarity

The Whyte-Hall 500mm (20") fan is a light portable multi blade unit designed for auxiliary ventilation of industrial, mining and construction applications. The rotation/motive force for the urethane multi blade rotor is obtained from reactional air jets located at the blade extremities. Efficiency of fan propulsion is enhanced by the rotor design which contains air sealing components, bearings and seals, with the complete assembly including blades rotating on a dead shaft. The design of the fan blades and rotor is such as to require zero dynamic balancing to achieve the required level of balance. The outer casing for all applications is fabricated from reinforced fibre glass. For those installations where it is necessary to comply with AS1334.9-1982, BS2050-1978 method A4Z and AS1344.10-1994, in respect to fire resistance - anti-static properties the unit has NSW Department of Mineral Resources Approval No: MDA910091 and 910091/A. Together with an Austalon rotor the fibre glass, housed assembly results, in an ultra light highly efficient air mover/unit. Total weight 11kgs. Fan speed and output can be varied infinitely by simply adjustment of input volume/pressure of air supply. Typical performance curve pressure/air volume illustrated below.

- Compressed Air Driven
- Fan Diameter 500mm
- Housing Diameter 521mm
- Housing Length 300mm
- Weight Fibreglass 12kg

- Delivered Air @ 3.2m<sup>3</sup>/sec 650 (kPa)
- Air Consumption @ 3.2m<sup>3</sup>/sec 35 lt/sec
- Sound Power @ 3.2m<sup>3</sup>/sec 93 dB(A)



FAN ASSEMBLY WITH MESH PROTECTIVE GUARD

AIR INLET MANIFOLD

URETHANE BLADE

KAMLOCK QUICK RELEASE INPUT AIR COUPLING

