

# 500mm (20") AUXILIARY VENTILATION FAN



**COMPLIES WITH MDG No.3 June, 1996**  
MINES DEPARTMENT APPROVAL No. MDA910091 & 910091/A



Guards not shown for clarity

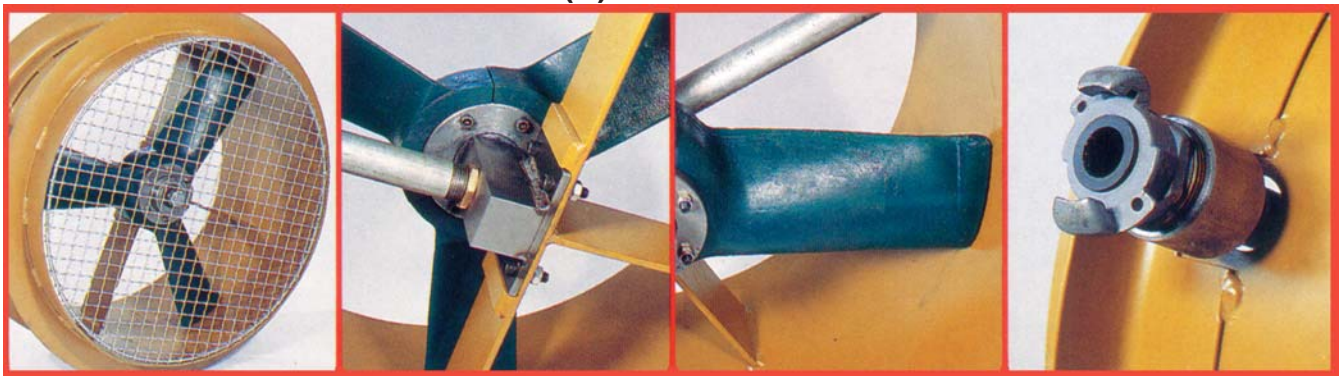
The  $\varnothing 500\text{mm}$  (20") TYPHOON Ventilation fan is a light, portable, multi blade unit design for auxiliary ventilation of industrial, mining and construction applications.

The rotational/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 mining applications is of fabricated mild steel construction with end flanges to suit selected ducting. Industrial and other applications can, as an alternative used reinforced fire resistant anti-static (FRAS) fiberglass casing, resulting in an ultra light, highly efficient air mover/unit. Fan speed and output can be varied infinitely, by simply adjusting the air supply to the unit.

- Compressed Air Driven
- Fan Diameter 500mm
- Housing Diameter 521mm
- Housing Length 300mm
- Weight Fibreglass 12kg - Steel 27kg
- 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)



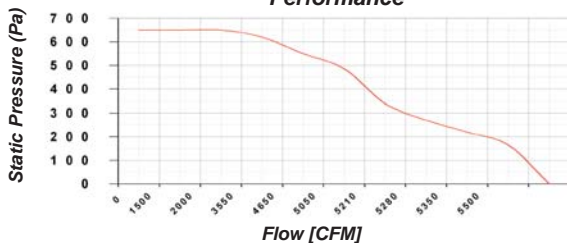
FAN ASSEMBLY WITH MESH PROTECTIVE GUARD

AIR INLET MANIFOLD

URETHANE BLADE

KAMLOCK QUICK RELEASE INPUT AIR COUPLING

$\varnothing 500$  Auxiliary Ventilation Fan Performance



$\varnothing 500$  Auxiliary Ventilation Fan Performance v's Air Input

