

TYPHOON $5.5\text{m}^3/\text{sec}$ (Ducted) AUXILIARY VENTILATION



COMPLIES WITH MDG No.37 June, 1996



- Compressed Air Driven
- Fan Diameter 600mm
- Housing Diameter 618mm
- Housing Length 500mm
- Weight 30kg
- Delivered Air @ $5.2\text{m}^3/\text{sec}$ 600 (kPa)
- Delivered Air @ $5.5\text{m}^3/\text{sec}$ 650 (kPa)
- Air Consumption @ $5.5\text{m}^3/\text{sec}$ 80 lt/sec
- Sound Power @ $5.5\text{m}^3/\text{sec}$ 93 dB(A)

The new Whyte-Hall TYPHOON series fan has been specifically developed to meet the demands of ducted underground auxiliary ventilation systems.

The TYPHOON develops greater pressure at higher volumes than any other fan in its class, making it especially suited to the high pressure loads inherent in ducted systems. The result is more airflow where you need it.

The fan design also allows for the direct coupling to most ducting used underground (Mineglass, Layflat etc..).

The dynamically balanced nine bladed fan is driven by Whyte-Hall's high output TurboVane motor and is constructed of Mines department approved Statkon, Antistatic, Glass reinforced ultra violet stabilised material. The blades are coupled to the Mines Department approved Zinc Alloy ("Zamak G") hub, then fastened to the motor shaft through a 1615 taper lock coupling. The blade and motor assemblies are housed in a Hand laid MDA FRAS Fibreglass cowling.

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Blades AS 2380.1 - 1989

Electrical equipment for explosive Atmospheres
Explosion protection techniques.

Hub AS 3584 - 1988

Diesel Engine Systems for Underground Coal Mines (as relative to engine fan.)

MDA FRAS Fibreglass cowling to AS1334.9, AS1334.10 and ISO 2878 as referenced by MDG3006 MTR8.

Air Supply Pressure Bar (Psi)	Air Consumption L/min (CFM)	Air Flow (m^3/sec) v Static Pressure (Pa)					
		0	100	200	400	600	800
4.13 (60)	2760 (97)	3.15	2.00	1.00			
5.5 (80)	3822 (135)	3.90	2.69	1.56			
6.2 (90)	4620 (163)	4.37	3.50	2.31	1.23		
6.9 (100)	5160 (182)	5.06	4.42	3.38	2.40	1.44	
7.5 (110)	5520 (195)	5.60	5.10	4.20	3.20	2.15	1.40

600mm Air Fan Performance

