

# **MODEL WH960**

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## **MIXER MOTOR**

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**SERVICE & MAINTENANCE MANUAL**



## 1 INTRODUCTION

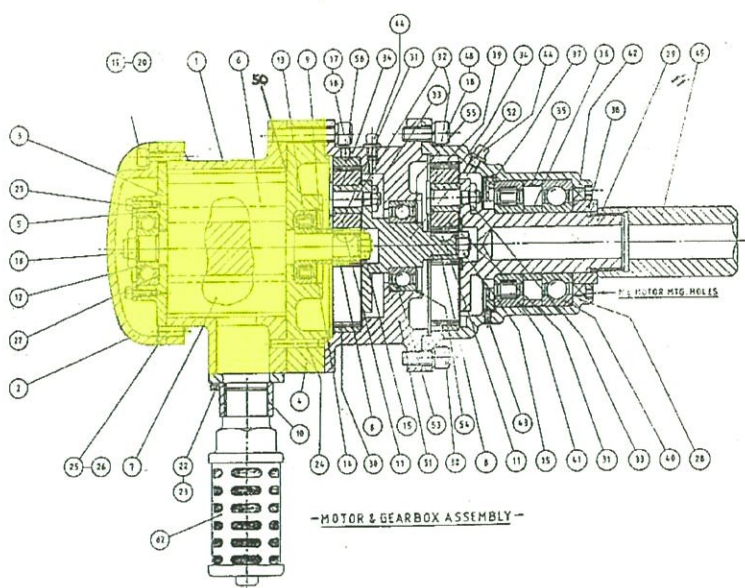
- ♦ **APPLICATION** – Aid the mixing of grout through driving a mixing paddle in the 160lt or 63lt mixing vessel.
- ♦ **MATERIALS** - Steel and S.G. Iron Complies with Coal Mines (Underground) Regulation 1999 (re: No Aluminium). Polyurethane FRAS.
- ♦ **MAIN FEATURES** - Strong construction, epicyclic gearbox, self-starting characteristic.

## 2 SPECIFICATIONS

### TECHNICAL DATA

- ♦ **AIR CONSUMPTION** 55CFM @ 90 PSI (26lt/sec@620kPa)
- ♦ **AIR SUPPLY** Max. Working Air Pressure: 100 PSI (650kPa)
- ♦ **OPERATING SPEED** Operating Speed 150 r.p.m. (No Load)
- ♦ **STALL TORQUE** 155FT/LBS (210.15 Nm)
- ♦ **HOSE CONNENCTION** ¾" BSP (via TYPE 'A' Claw Coupling)
- ♦ **FINISH** Motor - White Enamel
- ♦ **WEIGHT** 13kg

## 4 AIR MOTOR – DISMANTLING & ASSEMBLY



### 4.1 AIR MOTOR DISMANTLING

- a) Remove End Cover (2) by withdrawing six screws (19).
- b) Prevent chuck from rotating and unscrew Bearing Locknut (16) from rear end of Rotor shaft.
- c) Remove gearbox from machine by withdrawing four screws (17) carefully grip Motor Pinion (8) to prevent rotor from rotating and unscrew Locknut (15). Pull off Pinion and remove Drive Key (11).
- d) The rotor can now be pressed out from the front bearing, the rear bearing (12) and the rear end plate remaining on the rotor. Once the rotor is clear of the case the Rotor Blades (7) can be collected from the rotor slots.
- e) Withdraw the Front End Plate (4) from its locating dowels (24). Remove the Bearing Retaining Circlip (14) and drift out Bearing (13).
- f) Pull Rear End Plate (3) from the rotor. Remove four screws (21) from the Bearing cover plate (5). Drift out Bearing (12) and collect Shims (27).