

# ODP (Steel Fabricated "M" Line)

60Hz and 50Hz



**"MGA/MGP" and "MAA" lines**

Developed with our own technology, WEG offers a product of outstanding quality, high performance and suitable for a wide range of applications.

## Standard Features

- Induction Motors: Type MGA/MGP and MAA
- From 250HP up to 20.000HP
- Squirrel cage rotor or Slip Ring
- Cast Iron or Steel Fabricated
- IEC or NEMA - 60Hz or 50Hz
- Direct Coupling
- Degree of protection: IP23
- Up to 15000 Volts
- Class "F" insulation
- Service Factor: 1.15
- 80°C Temperature rise at 1.0 S.F.
- 104° F (40°C) Ambient Temperature
- Altitude: 3300 ft (1000m)
- Continuous Duty: S1
- Starting method: D.O.L (squirrel cage) / Rheostat (slip ring)
- Unidirectional Rotation for four pole (1800 rpm) motors and up
- F-1 mounting (Foot Mounted)
- Alkydic painting
- Painting RAL 5007 (Blue)
- Accessories terminal box located at the opposite side of the main terminal box.
- Lead Terminals: 3 leads (6 leads on request)
- Labyrinth seals

### Antifriction grease lubricated D.E. bearings

- Ball - 5000 and 5800 NEMA frames (315 and 355 IEC frames)
- Roller - 6800 NEMA frame (400 IEC frame) and up except 3600 rpm motors that designed with sleeve bearings

### Two pole (3600 rpm) motors

- Oil lubricated ball bearings for 6800 NEMA frame (400 IEC frame)
- Sleeve bearings for 8000 NEMA frame (450 IEC frame ) and up.

## Accessories Included

- NDE insulated bearing – only for 8000 NEMA (450 IEC frame) and up
- PT-100 2 wires (01 per phase)
- PT-100 2 wires (01 per bearing)
  - Horizontal motors – only for 6800 NEMA (400 IEC frame) and up
  - Vertical motors – all frames
  - 2 pole (vertical and horizontal) – 5000 NEMA (315 IEC frame) and up
- Stainless steel nameplate
- Drain holes
- Automatic / Manual brush lifting device for wound rotor motors



## Optional Features

- RTD PT100: 1 per bearing
- PTC Thermistors: 1 per bearing, 1 per phase
- Surge Protection: Lightning arrester, capacitor up to 15kV
- Terminal box for surge capacitors, lightning arresters and CT's
- CT's for differential protection
- Vibration detector / sensor
- Bearing thermometer

## Applications

- Steel Plants
- Fans
- Compressors
- Blowers
- Conveyors
- Pulp and Paper
- Pumps
- Chemical and Petrochemical
- Cement Plants
- Others

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