

Drilling Motor Specification

Model Number: 5GEB29A-L (Land Features)

Description

GE 1500 HP (1120 kW) AC drilling motor.

Type

Horizontal, splash-proof fully guarded (IP44), **blower ventilated**.

Ratings

Maximum continuous power: 1500 HP (1120 kW), 8750 lb_f-ft (11863 Nm), 1360 amps, 600 vac, and 900 - 1200 rpm

Intermittent duty cycle: 1830 HP (1365 kW), 12000 lb_f-ft (16270 Nm), 1740 amps, 600 vac, and 800 rpm, (60 sec. on – 30 sec. off)

Maximum RPM: 3000

Temperature rating: 110°C rise at 45°C ambient

Features

- 6-pole stator with form wound windings.
- Copper alloy rotor bars and end rings.
- Class H insulation, robotically taped, Mica-Kapton system.
- Insulated non-drive end bearing. Drive end bearing designed for radial loads.
- Oversized single shaft extension & hub for high-tension radial loads. High strength 4340 alloy steel shaft.
- ABS certified shaft.
- Painted steel main terminal box is IP56 with bus bar connections for main cable terminations. Terminal points for RTD & pressure sensor connections. Terminal box can be specified to be mounted on left "A" side or right "B" side of motor as viewed from non-drive end of motor.
- (6) RTDs, 100 ohm platinum, two per phase embedded in stator slots.
- Air pressure sensor.
- Auxiliary lockout switch.
- Blower assembly: 20HP (15 kW) / 460vac / 60 Hz blower motor meets or exceeds 3900scfm of required ventilation air.
- Space heater: 185 watt 240V explosion proof
- Motor enclosure: IP44.
- Motor is dimensionally interchangeable with the GE 752 motor; shaft height and mounting feet are the same.
- ABS certification available as option.
- Approximate weight: 8600 lb., 3900 kg.