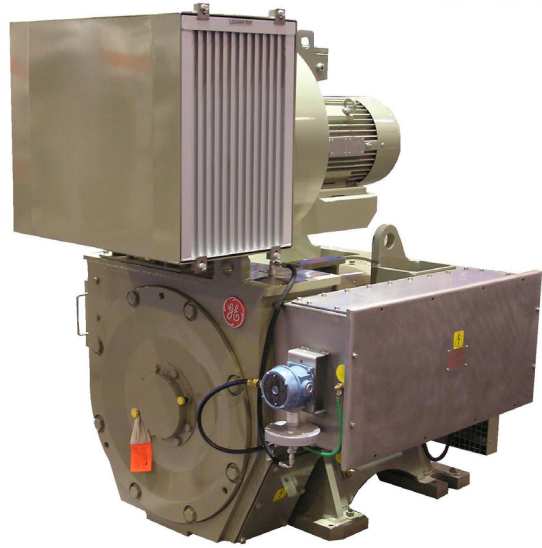


# 5GEB22

## AC Drilling Motor

### Offshore Features

### 1150 HP (858kW)



#### Performance ratings

The 5GEB22 AC drilling motor with 3000 SCFM airflow and temperature rise of 110°C at 45°C ambient.

	Continuous Rating	Drawworks Duty Cycle
Volts (AC)	587	587
Current (Amp)	1120	1380
HP (kW)(1044)	1150 (858)	1400 (1044)
Speed @ rated HP (RPM)	800 to 1800	800
Torque - lb <sub>r</sub> -ft (Nm)	7550 (10,240)	9200 (12,475)
Speed @ rated torque (RPM)	0 to 800	0 to 800 RPM
Max speed (RPM)	3000 RPM	

GE has more than 55 years of experience in the drilling industry, a worldwide service network, thousands of AC & DC drilling motors in service today – built to match the most rugged drilling applications on earth.

#### Standard Features

- 6-pole stator with FORM WOUND windings
- Copper chromium alloy rotor bars
- Class H insulation, robotically taped, Mica-Kapton system
- 4340 alloy shaft, ABS certified
- Insulated bearing on non-drive end
- Single-shaft extension with hub
- IP56 stainless steel universal (field convertible from A to B side) connection box with bus bar connections for main cables and terminals for RTDs and tape heaters
- Six (6) RTDs; Two (2) 100 ohm platinum in each stator winding
- Pressure sensor to verify ventilation
- 15 HP (11kW) blower assembly providing 3000 SCFM
- Intake louvers to protect from water ingress
- Tape heater – 400 watts (200 watts per each end of motor)
- Same shaft height and mounting feet dimensions as the 5GE752.

#### Optional Features

- ATEX Certified Ex e II T3, II 2 G c T3 Tamb -40°C to +55°C
- when motor is used in hazardous areas with approved Variable Frequency Drivers (VFD).
- ABS and/or DNV certification
- Encoder
- Sound attenuation
- Bearing RTDs
- Totally Enclosed Water to Air cooling (IP56)

#### Models Offered:

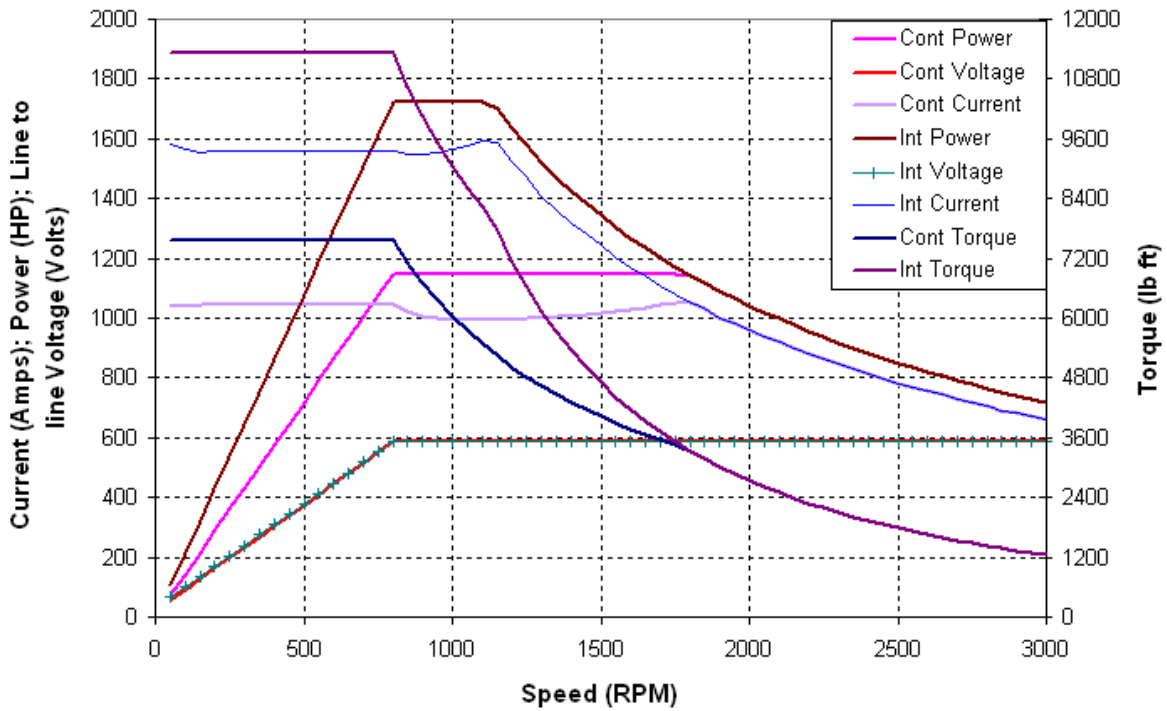
- 5GEB22A - large roller bearing with 4340 alloy shaft
- 5GEB22D - large roller bearing with oversized 4340 alloy shaft
- 5GEB22E - small roller bearing for direct (axially) connected loads with 1045 shaft steel



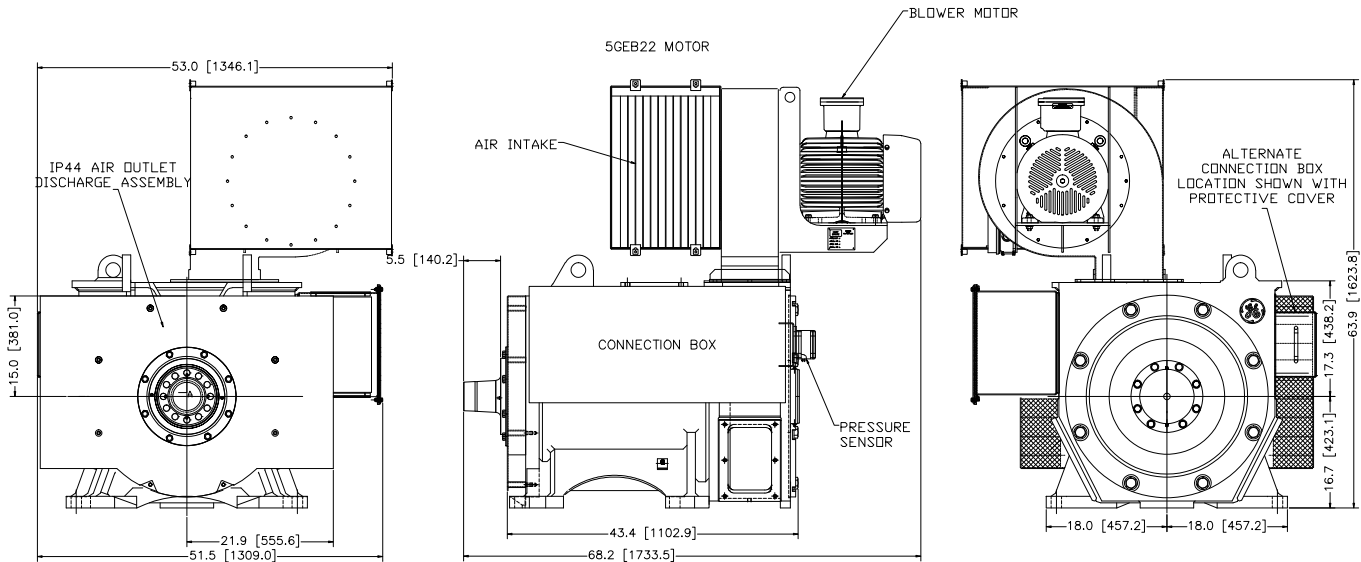
Calculated by  
GEMCM

### GEB20/22 Performance Curves

Rated & 150% Overload (Intermittent Short-Time Capability)



Approximate Dry Weight: 6500 lbs., 2948 kg.



DIMENSIONS ARE APPROXIMATE. NOT TO BE USED FOR CONSTRUCTION



GE imagination at work

To find out more,  
fax inquiries to 832-295-7600  
or visit us online at  
[www.getransportation.com](http://www.getransportation.com)