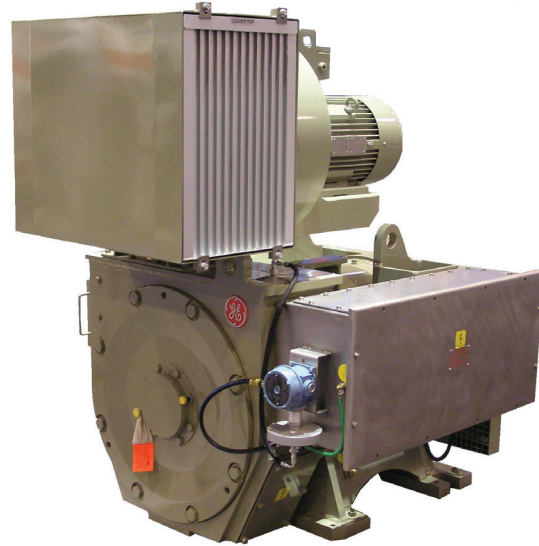


5GEB22

AC Drilling Motor

Offshore Features

1150 HP (858kW)



GE's AC and DC motors have delivered industry leading technology for more than 50 years. Pioneering the application of AC technology to oilfield equipment, GE has more than 4,000 AC units in operation on more than 600 rigs worldwide.

GE's AC motors have been field proven in the harshest conditions and are now compliant to a broader range of industry certifications: ATEX, IECEx, and CSAus, satisfying the new North American AEx requirements and increasing operations across more rigs, geographies and regulated territories. GE AC motors, 5GEB20 & 5GEB22, in the 1150hp class offers rotor inertia levels that are among the lowest in the industry and optimal for drawworks applications. Torque & power density levels are also among the highest in the industry, optimal for deeper-water offshore applications, where space is a premium.

Performance ratings

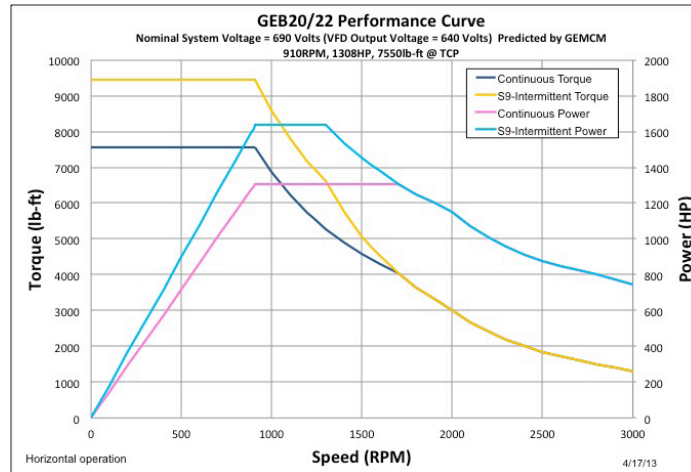
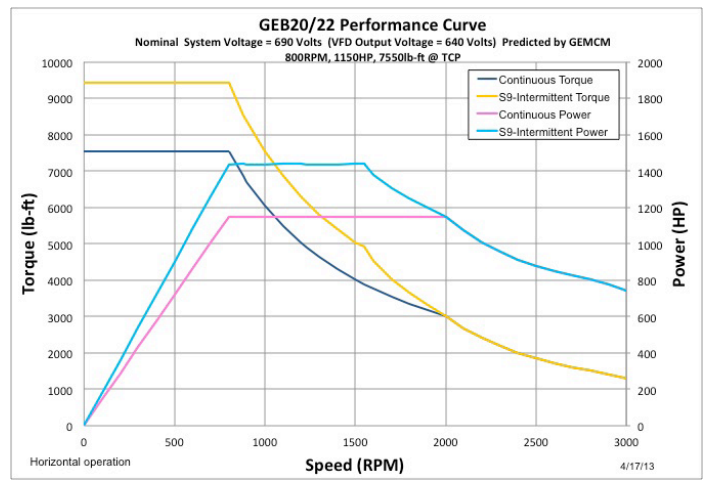
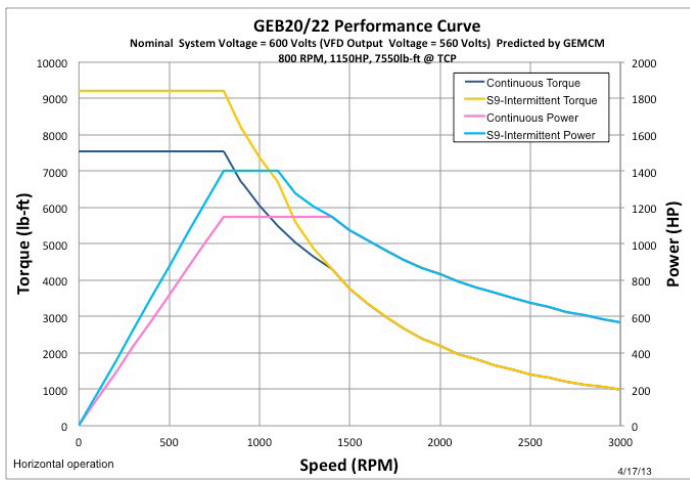
The 5GEB22 AC drilling motor with 3000 SCFM airflow and temperature rise of 110°C at 45°C ambient.

	Continuous Rating		Intermittent Rating - S9 (120 sec on ~ 90 sec off)	
Rated Volts (AC)	587		587	
Current (Amps)	1120		1380	
Base Speed (RPM)	800	910	800	910
with 600v VFD				
Speed @ Rated HP (RPM)	800-1400		800-1100	
HP (kW)	1150 (858)		1403 (1046)	
with 690v VFD				
Speed @ Rated HP (RPM)	800-2000	910-1700	800-1538	910-1300
HP (kW)	1150 (858)	1308 (975)	1438 (1072)	1635 (1219)
Torque lb-ft (Nm)	7550 (10236)		9438 (12796)	
Speed @ Rated Torque	0-800	0-910	0-800	0-910
Max Speed (RPM)	3000		3000	

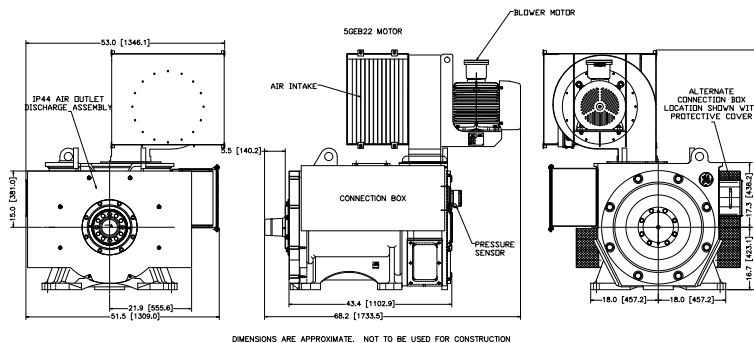
Standard Features

- 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.





Approximate Dry Weight: 6500 lbs., 2948 kg.



Optional Features

- ATEX Certified Ex e II T3, Ex II 2 G c T3 Tamb -40°C to +55°C
- CE Ex 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



GE imagination at work

To find out more,
fax inquiries to 832-295-7600
or visit us online at
www.getransportation.com

new code???