

GE Transportation

Drilling Motor Standard Specification

Model number: **5GE752ARB1**
(Marine Features)

Description

GE 1085 HP (809 kW) **High-Torque**, series wound, DC drilling motor

Type

Horizontal, drip-proof fully guarded, blower ventilated

Ratings

Maximum continuous power: 1085 HP (809 kW), 5900 lb-ft (7999 Nm), 1150 ADC, 750 VDC, and 965 rpm

Intermittent duty cycle: 1320 HP (984 kW), 7530 lb-ft (10209 Nm), 1400 ADC, 750 VDC, and 920 rpm
(60 sec. run – 30 sec. rest)

Maximum RPM: 2300

Temperature rating: 155°C rise over 40°C ambient (1085 HP, 809 kW)
140°C rise over 55°C ambient (1030 HP, 768 kW)

Features

- Self-excited series field
- Class H insulation, robotically tape, Mica-Kapton system
- Single shaft extension with hub
- Pressurized connection box mounted on left “A” side of motor as viewed from commutator end, with double bolt-on armature cable connections and terminations for space heater, auxiliary switch, and pressure sensor. Connection box can be specified on right “B” side (must be specified on order)
- Two RTDs, 100-ohm platinum, embedded in 2 commutating coils
- Space heater, 240 volts, 185 watts – Explosion Proof
- Air pressure sensor – Explosion Proof
- Auxiliary lockout switch – Explosion Proof
- Blower assembly - 10 HP, 460 VAC, 60Hz, **40°C ambient**, Explosion Proof blower motor providing a minimum of 2800 scfm of ventilation
- Marine features including ABS certified shaft and armored cable
- Approximate weight: 7200 lb., 3265 kg

