

GE Transportation

Drilling Motor Standard Specification

Model number: 5GE752ARB2

Description

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

Type

Horizontal, drip-proof fully guarded, separately ventilated. **Blower not included.**

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.
- Connection box and inspection covers sealed to IP56.
- Pressurized IP56 painted steel connection box mounted on left "A" side of motor as viewed from commutator end, with double bolt-on armature cable connections. Connection box can be specified on right "B" side (must be specified on order).
- Two auxiliary connection boxes, ATEX certified Ex e II T6, for RTD and space heater terminations.
- Two RTDs, 100 ohm platinum, mounted on surface of excitation and commutating coils.
- Space heater, 120 / 240 volts, 100 watts, ATEX certified.
- Auxiliary lockout switch, ATEX certified.
- Provisions for forced ventilation. Motor ventilation air must be ducted from a remote blower located in a safe area. Blower and associated duct not included. Requires 3000 SCFM of forced ventilation.
- Discharge air manifold for connection of spark arrestor or discharge air duct.
- Spark arrestors are provided as standard – can be removed if discharge air is ducted to a safe area.
- Purge & pressurization control system – ATEX Certified.
- Drill motor is ATEX certified Ex px de IIC T3,  II 2 G by Baseefa, 04ATEX0350X.
-   when motor is used in hazardous areas with  marked SCR drives
- Marine features including ABS certified shaft and armored cable.
- Approximate weight: 7200 lb., 3265 kg

