

GE Transportation

Drilling Motor Standard Specification

Model number: 5GE752RB2

Description

GE 1130 HP (843 kW) **High-Torque**, shunt wound, **ATEX certified**, DC drilling motor

Type

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

Ratings (at 60 Field Amps)

Maximum continuous power: 1130 HP (843 kW), 5705 lb-ft (7735 Nm), 1185 ADC, 750 VDC, and 1040 rpm

Intermittent duty cycle: 1365 HP (1018 kW), 6745 lb-ft (9145 Nm), 1435 ADC, 750 VDC, and 1065 rpm
(60 sec. run – 30 sec. rest)

Maximum RPM: 2300

Temperature rating: 155°C rise over 40°C ambient (1130 HP, 843 kW)
140°C rise over 55°C ambient (1074 HP, 801 kW)

Features

- Separately excited shunt 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

