

GE Transportation

Drilling Motor Standard Specification

Model number: 5GE752AUT2

Description

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

Type

Vertical, drip-proof, separately ventilated

Ratings

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

Maximum continuous torque: 880 HP (656 kW), 6620 lb-ft (8976 Nm), 1250 ADC, 570 VDC, and 700 rpm

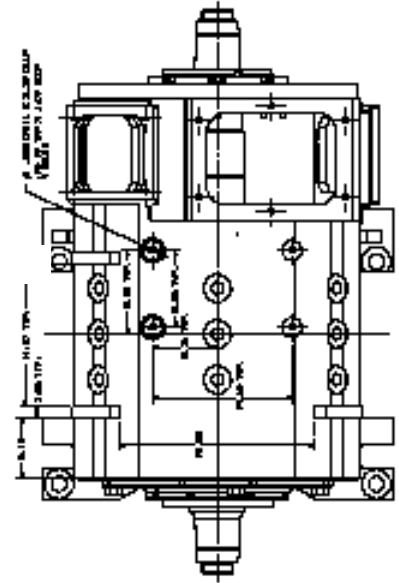
Intermittent duty cycle: 1320 HP (984 kW), 7530 lb-ft (10209 Nm), 1400 ADC, 750 VDC, and 920 rpm
(60 sec. run – 30 sec. rest)

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

- Special commutator-end thrust bearing and framehead for vertical operation
- Self-excited series field
- Class H insulation, robotically tape, Mica-Kapton system
- **Double shaft extension. Hubs included only on request**
- (4) Braided cables 646 MCM – 16 ft (4.8 m) long, without lugs. Connection lugs and terminal box not included
- Two RTDs, 100 ohm platinum, embedded in 2 commutating coils. Leads are not terminated
- Separately ventilated – flanged inlet provided for forced ventilation, **blower not included** – 2800 scfm required
- Primer coat only. Final paint coat not applied
- Hardware retainers are not included. GE hardware not modified to accept retainer wire
- Encoder, space heater, pressure sensor and discharge air handler are not included
- Approximate weight: 6720 lb., 3051 kg



5GE752AUT2 is a standard vertical GE Drilling Motor that requires additional wiring, modifications and accessories to be added by the user. This motor is not a direct replacement for an existing top drive. Top drive manufacturers make modifications and/or additions to these motors prior to mounting. These modifications and/or additions are not included in this equipment. GE recommends contacting the equipment manufacturer for replacement motors to insure compatibility with existing equipment. GE is not responsible for insuring the motor will mount to existing equipment.