

GE Transportation

Drilling Motor Standard Specification

Model number: 5GE752US2

Description

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

Type

Vertical, drip-proof, separately ventilated

Ratings (at 60 Field Amps)

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

Maximum continuous torque: 1030 HP (768 kW), 5995 lb-ft (8128 Nm), 1250 ADC, 650 VDC, and 900 rpm

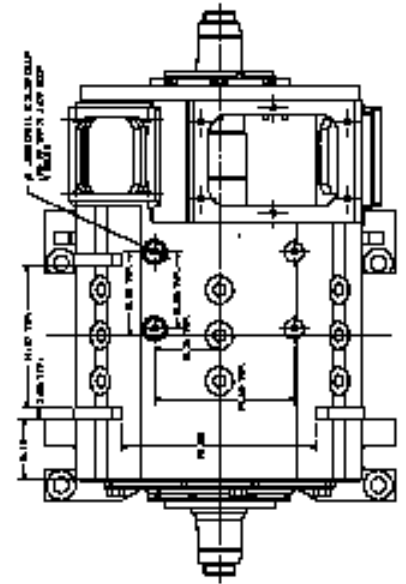
Intermittent duty cycle: 1365 HP (1018 kW), 6745 lb-ft (9145 Nm), 1435 ADC, 750 VDC, and 1065 rpm
(60 sec. run – 30 sec. rest)

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

- Special commutator-end thrust bearing and framehead for vertical operation
- Separately excited shunt 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



5GE752US2 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.