Performance (In an ambient temperature of 25 - 30 C)
Motor tested rapidly to prevent significant
temperature rise.

At a constant voltage of 12.00 Volts
With a circuit resistance 0.000 Ohms

AT No Load
- Speed: 16000 Rpm
- Current: 1.200 Amp

At stall (Extrapolated)
- Torque: 428.073 m-Nm
- Current: 63.745 Amp

At maximum efficiency
- Efficiency: 72.50 %
- Torque: 51.647 m-Nm
- Speed: 14070 Rpm
- Current: 8.746 Amp
- Output: 76.095 Watts

At maximum power
- Torque: 214.036 m-Nm
- Speed: 8000 Rpm
- Current: 32.473 Amp
- Output: 179.311 Watts

Characteristics
- Torque Constant: 6.844 m-Nm/Amp
- E.M.F Constant: 6.844 mV/rad/sec
- Dy. Resistance: 0.188 Ohms
- Motor Regulation: 37.377 Rpm/m-Nm

Calculation
At Torque Level:
- Torque: 58.860 m-Nm
- Speed: 13800 Rpm
- Current: 9.800 Amp
- Efficiency: 72.33 %

At Fan:
- Torque: m-Nm
- Speed: Rpm
- Current: Amp
- Efficiency: %

Output: 85.061 Watts

Performance and characteristics are measured based on limited motor sample only