

JOHNSON ELECTRIC ENGINEERING LTD.

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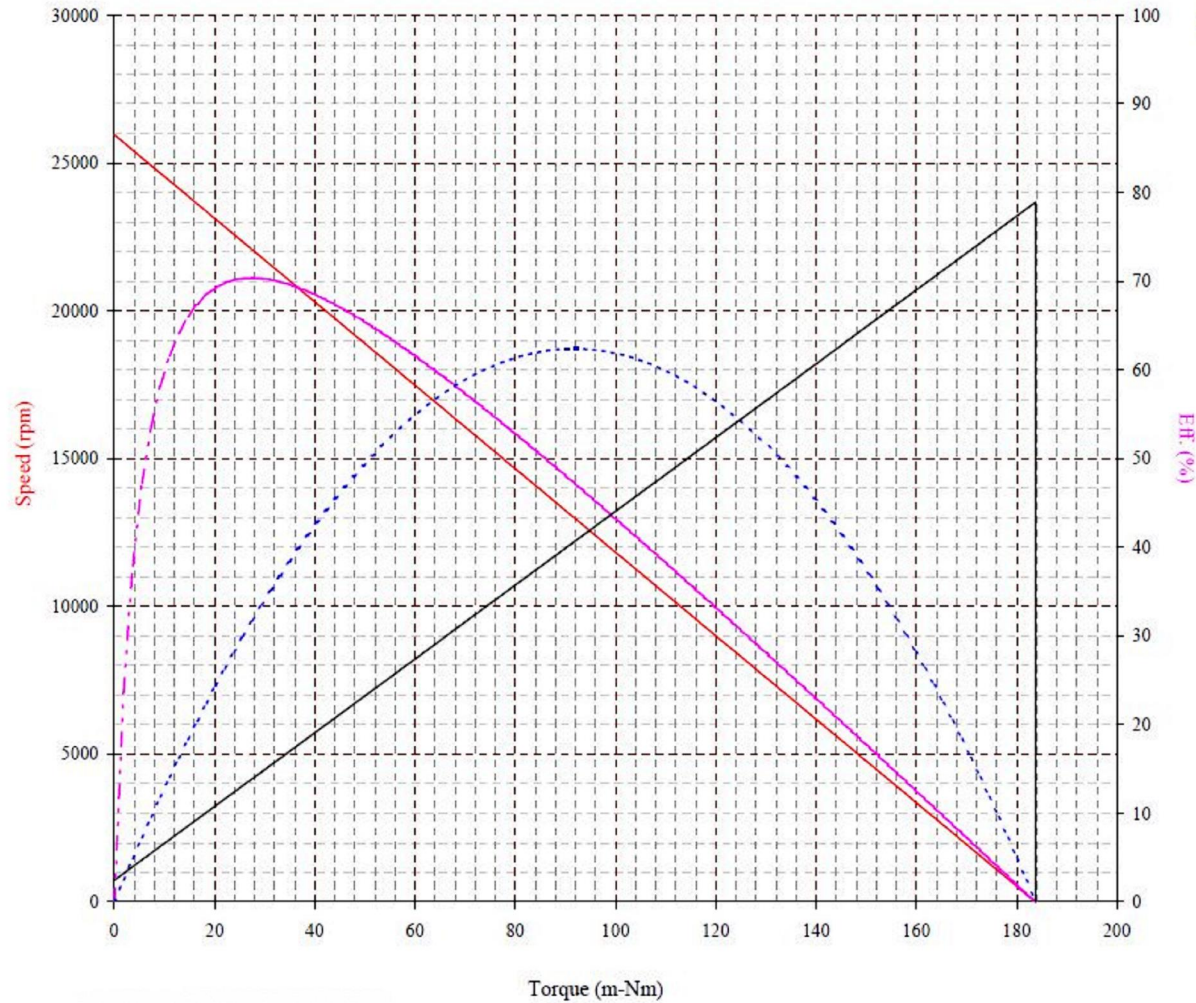
Project No : Production Motor
Curve No : KC415LG-45102

Winding : 0.50 - 19

Date : 04/27/2005

Model :

Full Scales :
50.00 Amp
200.00 Watts



Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of 13.00 Volts
with a circuit resistance 0.000 Ohm

(At the ambient temperature of 25~30 deg C)

At No Load

Speed : 25952 Rpm
Current : 1.220 Amp

At Stall (Extrapolated)

Torque : 183.73 m-Nm
Current : 39.45 Amp

At Maximum Efficiency

Efficiency : 70.37 %
Torque : 27.56 m-Nm
Speed : 22059 Rpm
Current : 6.96 Amp
Output : 63.62 Watts

At Maximum Power

Torque : 91.86 m-Nm
Speed : 12976 Rpm
Current : 20.33 Amp
Output : 124.75 Watts

Characteristics

Torque Constant : 4.8060 m-Nm/Amp
Dy. Resistance : 0.3300 Ohms
Motor Regulation : 141.2520 Rpm/m-Nm

COMPUTER PRINT-OUT
NOMINAL MOTOR CURVES.
Performance and characteristics are measured based on limited motor samples only.

Reference no :