

JOHNSON ELECTRIC ENGINEERING LTD.

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Project No : Production Motor
Curve No : KC315MSG-35600

Winding : 0.30 - 38

Date : 04/27/1999
Model :

Full Scales :
50.00 Amp
50.00 Watts



Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **13.50** Volts
with a circuit resistance **0.000** Ohm

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

At No Load

Speed : 28086 Rpm
Current : 0.523 Amp

At Stall (Extrapolated)

Torque : 55.19 m-Nm
Current : 12.53 Amp

At Maximum Efficiency

Efficiency : 66.11 %
Torque : 9.38 m-Nm
Speed : 23311 Rpm
Current : 2.57 Amp
Output : 22.89 Watts

At Maximum Power

Torque : 27.59 m-Nm
Speed : 14043 Rpm
Current : 6.53 Amp
Output : 40.55 Watts

Characteristics

Torque Constant : 4.5960 m-Nm/Amp
Dy. Resistance : 1.0770 Ohms
Motor Regulation : 508.9240 Rpm/m-Nm

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