

# JOHNSON ELECTRIC ENGINEERING LTD.

6-22, Dai Shun St., Tai Po Industrial Estate, N.T., H.K. Fax: 852-2663 6108

Project No : Production Motor  
Curve No : HC315XLG-34507

Winding : 0.16 - 130

Date : 04/27/1999  
Model :

Full Scales :  
5.00 Amp  
5.00 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 : 4059 Rpm  
Current : 0.078 Amp

At Stall (Extrapolated)

Torque : 35.09 m-Nm  
Current : 1.28 Amp

At Maximum Efficiency

Efficiency : 57.51 %  
Torque : 7.02 m-Nm  
Speed : 3247 Rpm  
Current : 0.32 Amp  
Output : 2.39 Watts

At Maximum Power

Torque : 17.55 m-Nm  
Speed : 2030 Rpm  
Current : 0.68 Amp  
Output : 3.73 Watts

Characteristics

Torque Constant : 29.1210 m-Nm/Amp  
Dy. Resistance : 10.1330 Ohms  
Motor Regulation : 115.6740 Rpm/m-Nm

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

Reference no : 30542