



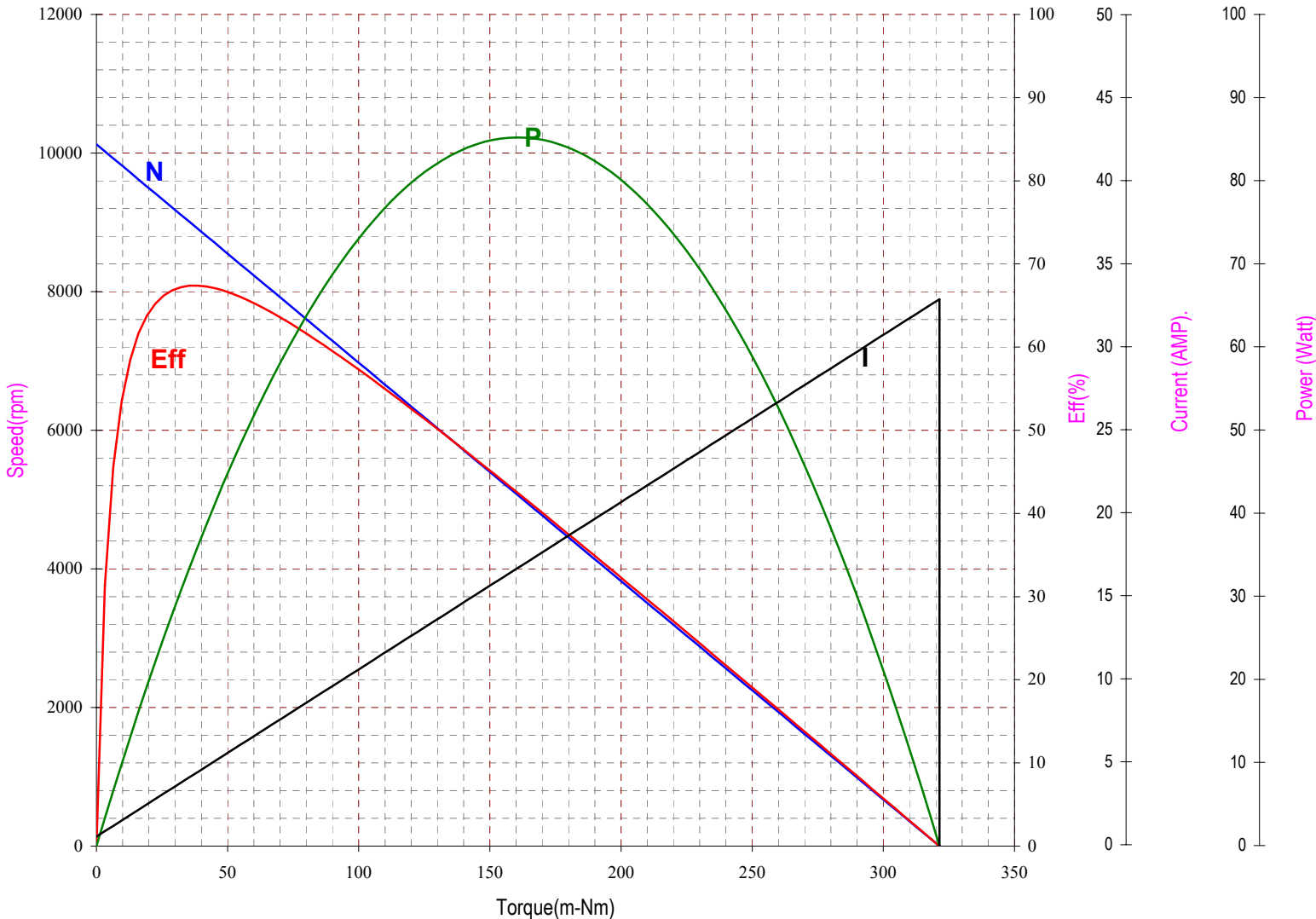
# JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

Johnson Building,6-22, Dai Shun Street, Tai Po, Hong Kong.

Excellence in *Micromotors* Since 1959

Date : 2006/10/13

SOF NO : 1999-1060406  
 Project No.: 04DN017  
 Winding : 0.5 - 23  
 Motor test reference no : HC685LG



FORM : PIB-930701-1

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 : 10125 Rpm  
 Current: 0.573 Amp

At stall (Extrapolated)  
 Torque : 321.360 m-Nm  
 Current: 32.881 Amp

At maximum efficiency  
 Efficiency : 67.41 %  
 Torque : 37.485 m-Nm  
 Speed : 8944 Rpm  
 Current : 4.342 Amp  
 Output : 35.122 Watts

At maximum power  
 Torque : 160.680 m-Nm  
 Speed : 5062 Rpm  
 Current : 16.727 Amp  
 Output : 85.215 Watts

Characteristics  
 Torque Constant : 9.947 m-Nm/Amp  
 E.M.F Constant : 9.947 mV/rad/sec  
 Dy. Resistance : 0.365 Ohms  
 Motor Regulation: 31.506 Rpm/m-Nm

At Torque Level:

Torque: 100.000 m-Nm  
 Speed: 6974 Rpm  
 Current: 10.627 Amp  
 Efficiency: 57.29 %  
 Output: 73.062 Watts

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

Issued by Motor Sampling