



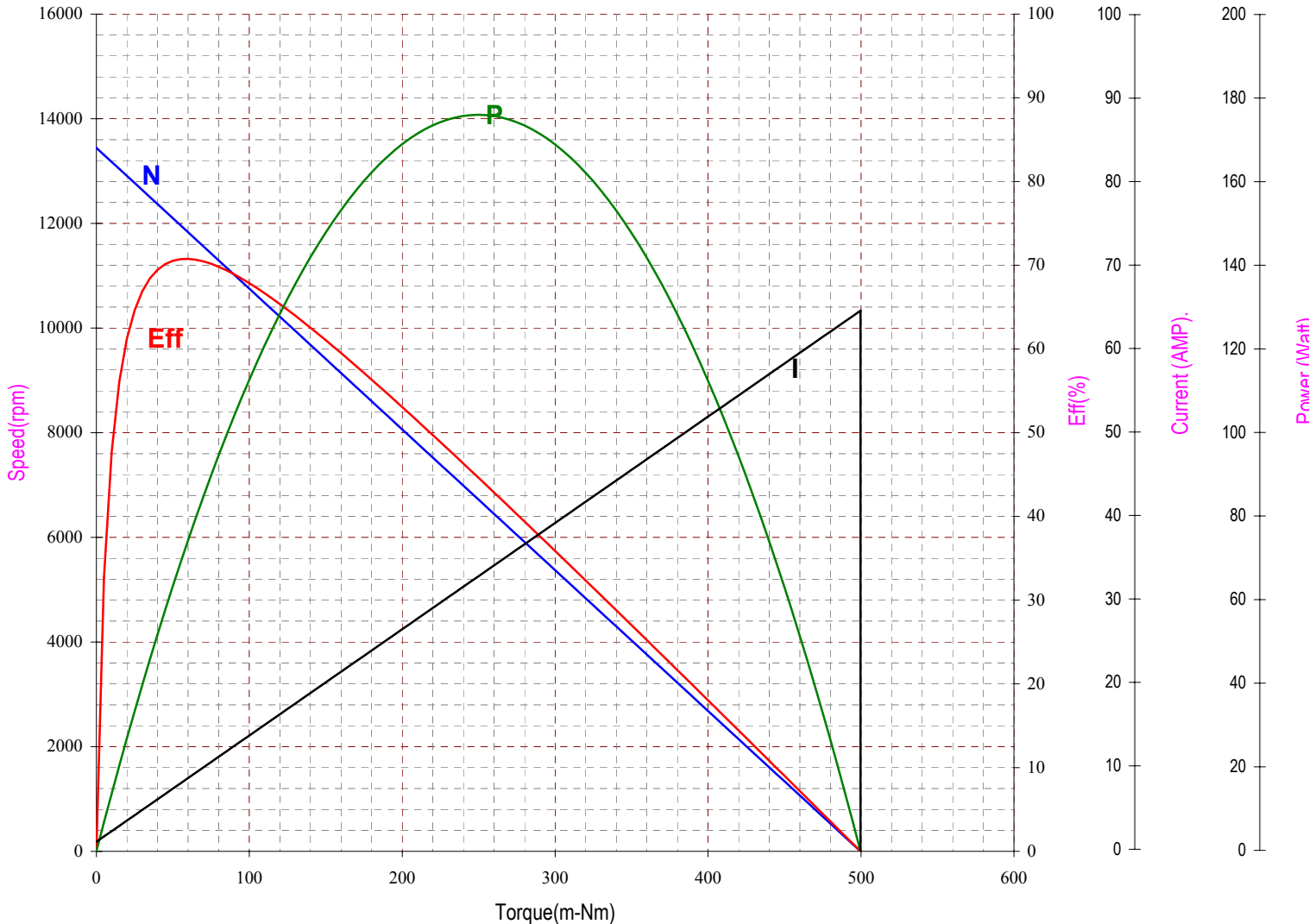
JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

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

Excellence in *Micromotors* Since 1959

SOF NO : 05/0023 (70331)
 Project No.: 96M0126
 Winding : 0.7 - 30
 Motor test reference no : HC683XLLG/FS/45070/5E1(CCW)

Date : 18/07/2005



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 : 13444 Rpm
 Current: 1.139 Amp

At stall (Extrapolated)

Torque : 499.680 m-Nm
 Current: 64.576 Amp

At maximum efficiency

Efficiency : 70.77 %
 Torque : 58.589 m-Nm
 Speed : 11868 Rpm
 Current : 8.578 Amp
 Output : 72.844 Watts

At maximum power

Torque : 249.840 m-Nm
 Speed : 6722 Rpm
 Current : 32.858 Amp
 Output : 175.944 Watts

Characteristics

Torque Constant : 7.877 m-Nm/Amp
 E.M.F Constant : 7.877 mV/rad/sec
 Dy. Resistance : 0.186 Ohms
 Motor Regulation: 26.906 Rpm/m-Nm

At Torque Level:

Torque: 60.000 m-Nm
 Speed: 11830 Rpm
 Current: 8.757 Amp
 Efficiency: 70.77 %
 Output: 74.360 Watts

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

Issued by Motor Sampling