



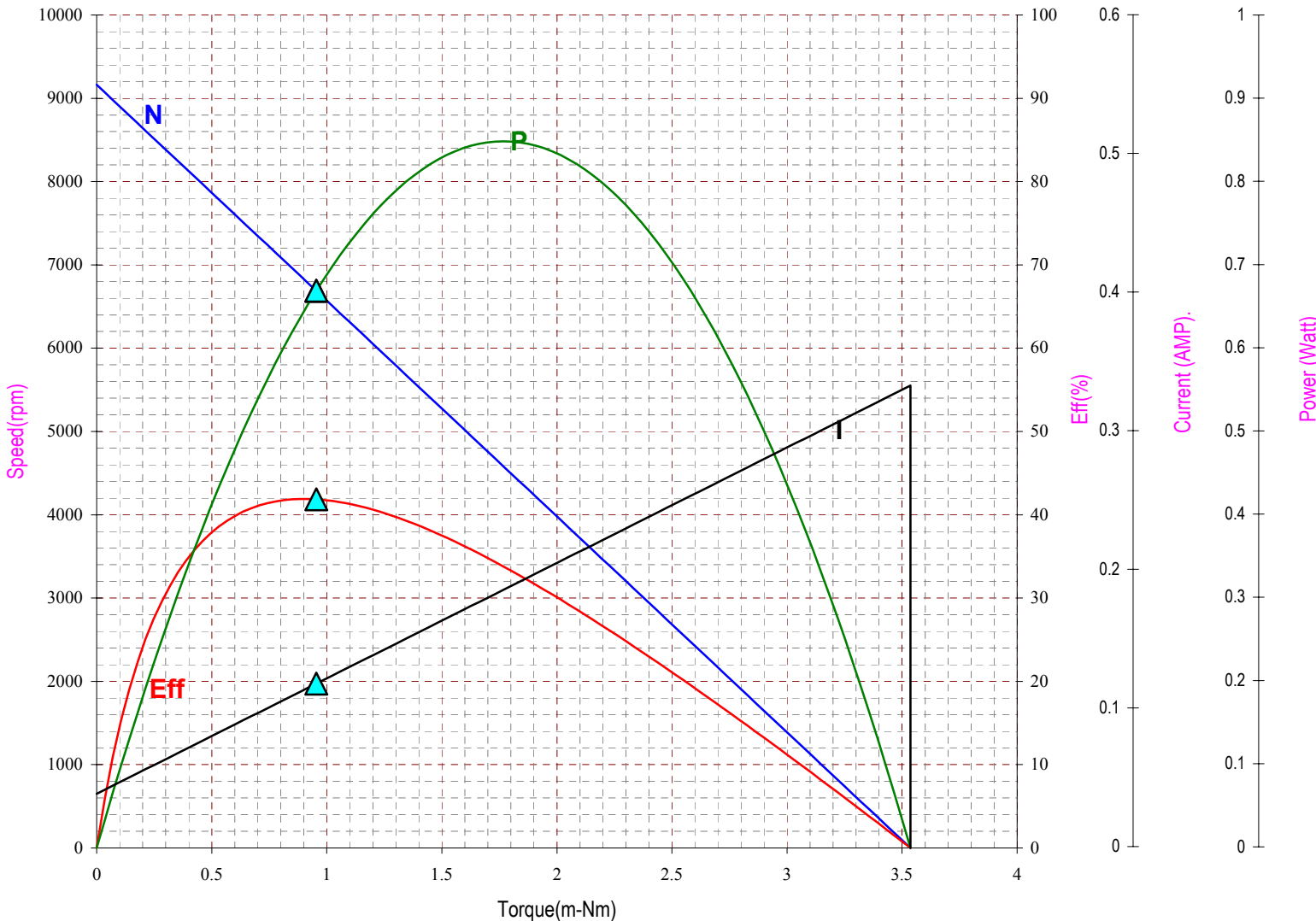
# JOHNSON ELECTRIC INTERNATIONAL LTD.

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

Excellence in *Micromotors* Since 1959

Date : 2008/09/05

Project No.: 07d1038  
 Winding : 0.08 - 520  
 Motor test reference no : -



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 **13.50** Volts  
 With a circuit resistance **0.000** Ohms

At No Load  
 Speed : 9162 Rpm  
 Current: 0.039 Amp

At stall (Extrapolated)  
 Torque : 3.536 m-Nm  
 Current: 0.333 Amp

At maximum efficiency  
 Efficiency : 41.91 %  
 Torque : 0.902 m-Nm  
 Speed : 6826 Rpm  
 Current : 0.114 Amp  
 Output : 0.645 Watts

At maximum power  
 Torque : 1.768 m-Nm  
 Speed : 4581 Rpm  
 Current : 0.186 Amp  
 Output : 0.848 Watts

Characteristics  
 Torque Constant : 12.027 m-Nm/Amp  
 E.M.F Constant : 12.027 mV/rad/sec  
 Dy. Resistance : 40.541 Ohms  
 Motor Regulation: 2590.939 Rpm/m-Nm

At Torque Level: At Fan: C40

Torque: 0.980 m-Nm	Torque: 0.927
Speed: 6622 Rpm	Speed: 6760
Current: 0.120 Amp	Current: 0.116
Efficiency: 41.80 %	Efficiency: 41.89
Output: 0.680 Watts	Output: 0.657

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

Engineering Sample