



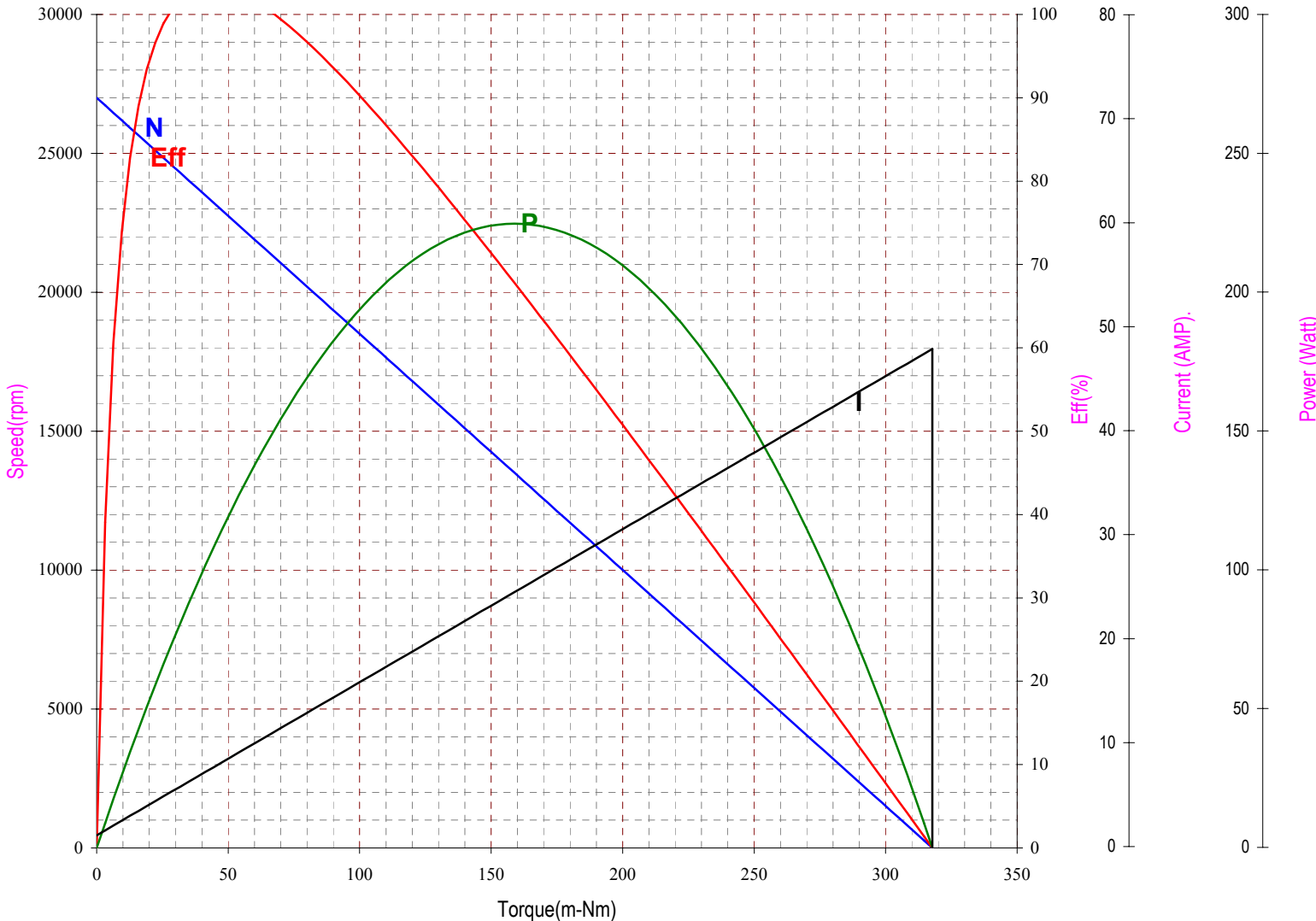
JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

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

Excellence in *Micromotors* Since 1959

Date : 2005/10/24

Project No.: 00D1022-45102
 Winding : 0.5 - 19
 Motor test reference no : KC415LG



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 : 27000 Rpm
 Current: 1.220 Amp

At stall (Extrapolated)
 Torque : 317.780 m-Nm
 Current: 47.896 Amp

At maximum efficiency
 Efficiency : 103.38 %
 Torque : 43.737 m-Nm
 Speed : 23284 Rpm
 Current : 7.644 Amp
 Output : 106.686 Watts

At maximum power
 Torque : 158.890 m-Nm
 Speed : 13500 Rpm
 Current : 24.558 Amp
 Output : 224.716 Watts

Characteristics
 Torque Constant : 6.808 m-Nm/Amp
 E.M.F Constant : 6.808 mV/rad/sec
 Dy. Resistance : 0.282 Ohms
 Motor Regulation: 84.965 Rpm/m-Nm

At Torque Level:
 Torque: 100.000 m-Nm
 Speed: 18504 Rpm
 Current: 15.908 Amp
 Efficiency: 90.26 %
 Output: 193.847 Watts

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

Issued by Motor Sampling