



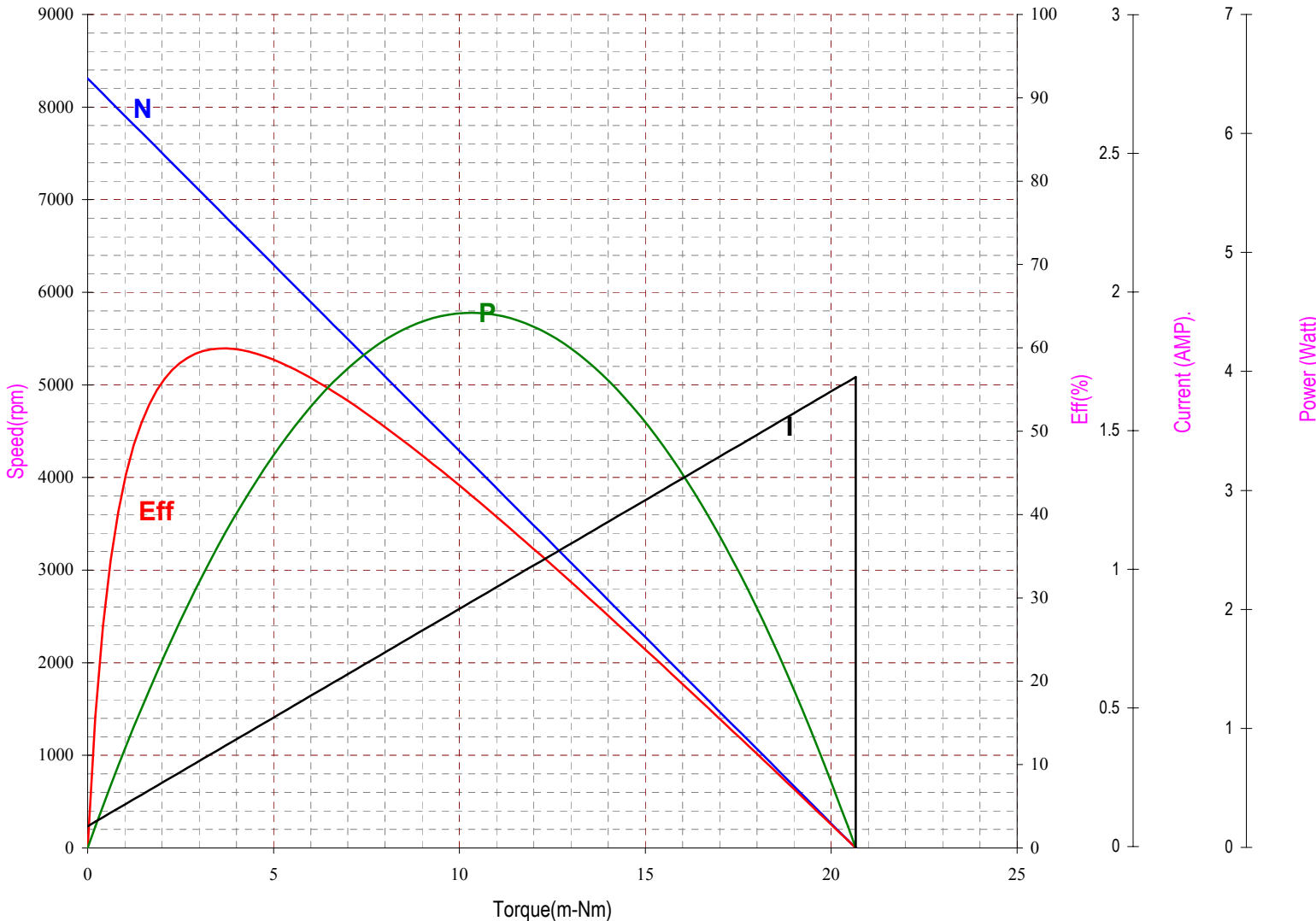
JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

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

Excellence in *Micromotors* Since 1959

Date : 05-9-2

Project No.: 01D1069-20242
 Winding : 0.16 - 230
 Motor test reference no : NF243G



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 : 8309 Rpm
 Current: 0.078 Amp

At stall (Extrapolated)
 Torque : 20.657 m-Nm
 Current: 1.695 Amp

At maximum efficiency
 Efficiency : 59.94 %
 Torque : 3.649 m-Nm
 Speed : 6841 Rpm
 Current : 0.364 Amp
 Output : 2.615 Watts

At maximum power
 Torque : 10.328 m-Nm
 Speed : 4154 Rpm
 Current : 0.886 Amp
 Output : 4.495 Watts

Characteristics
 Torque Constant : 12.777 m-Nm/Amp
 E.M.F Constant : 12.777 mV/rad/sec
 Dy. Resistance : 7.081 Ohms
 Motor Regulation: 402.228 Rpm/m-Nm

At Torque Level:

Torque: 9.800 m-Nm
 Speed: 4367 Rpm
 Current: 0.845 Amp
 Efficiency: 44.21 %
 Output: 4.483 Watts

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