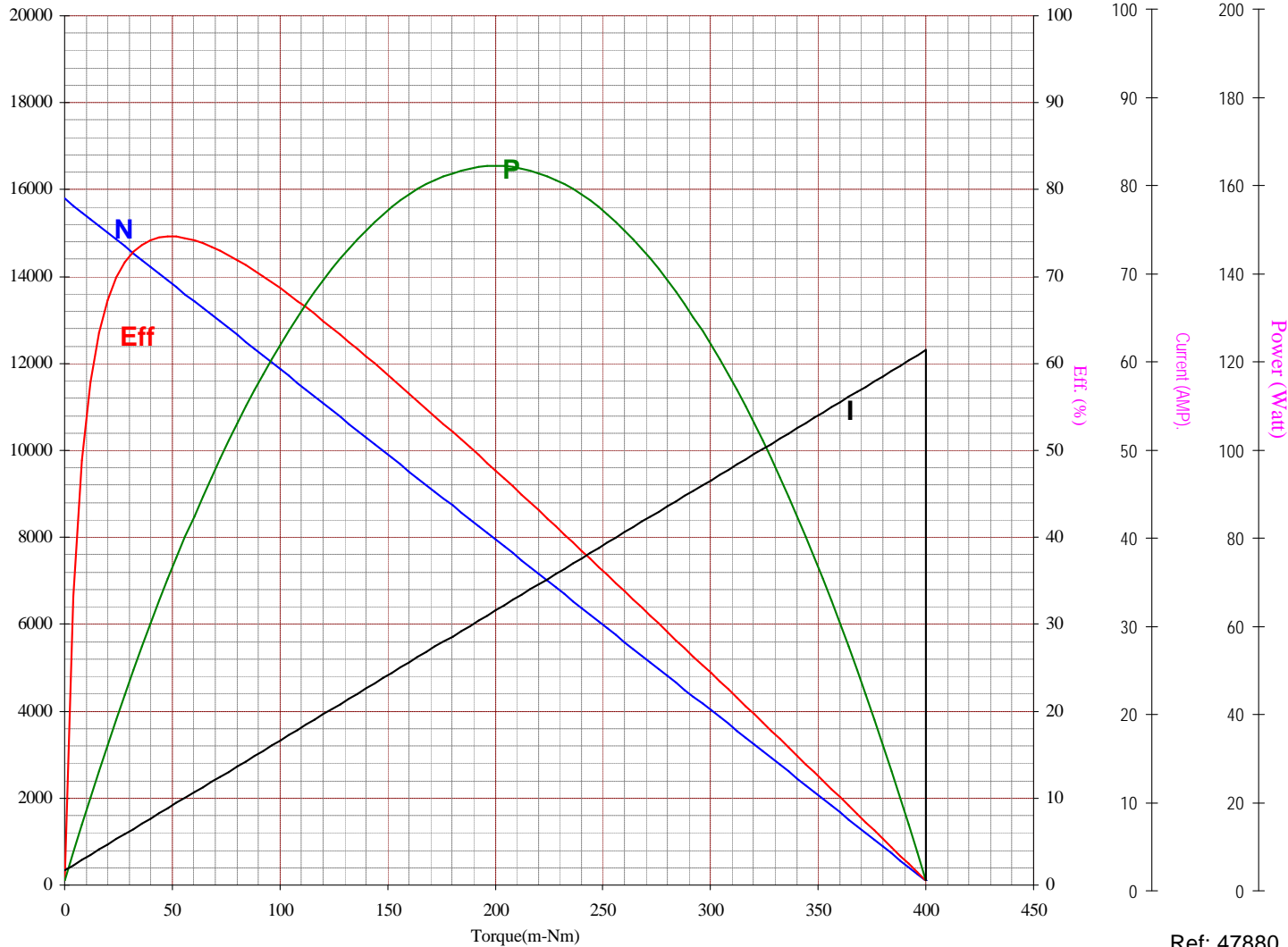


Excellence in *Micromotors* Since 1959

Date : 2002/09/15

Project No.: 00J5006
 Winding : 0.65 - 26
 Motor test reference no : 0



Ref: 47880

Simulation at 25 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 : 15694 Rpm
 Current: 1.181 Amp

At stall (Extrapolated)

Torque : 400.127 m-Nm
 Current: 61.042 Amp

At maximum efficiency

Efficiency : 74.11 %
 Torque : 48.865 m-Nm
 Speed : 13777 Rpm
 Current : 8.492 Amp
 Output : 70.528 Watts

At maximum power

Torque : 200.063 m-Nm
 Speed : 7847 Rpm
 Current : 31.112 Amp
 Output : 164.463 Watts

Characteristics

Torque Constant : 6.684 m-Nm/Amp
 E.M.F Constant : 6.684 mV/rad/sec
 Dy. Resistance : 0.197 Ohms
 Motor Regulation: 39.222 Rpm/m-Nm

At Torque Level:

Torque: m-Nm

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

Issued by CATD Simulation