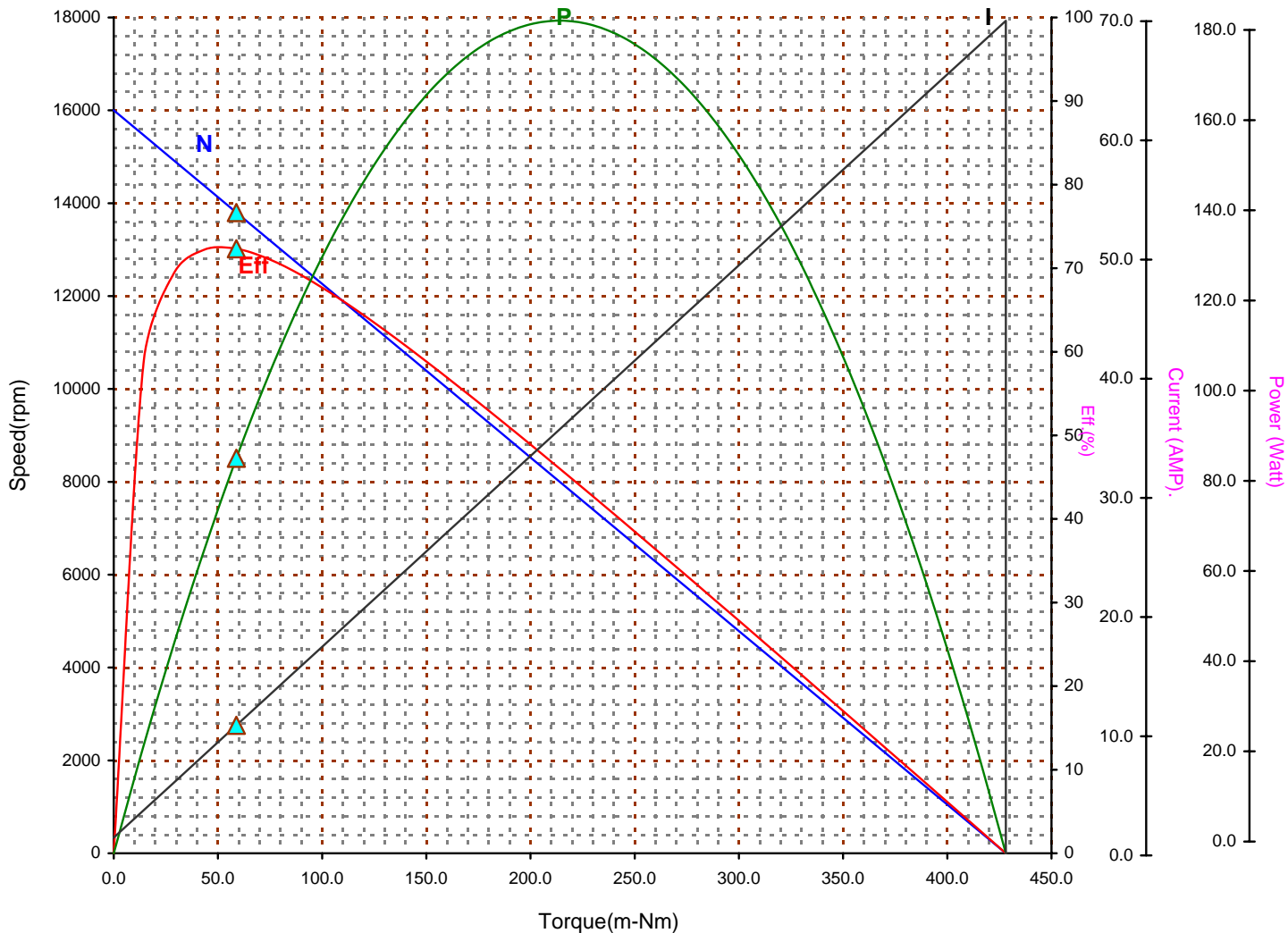


Project No : DB-30F-2005
 Proposal No:
 Winding : 0.00 - 0
 Motor test reference no : (CCW)

Operator : JACKY
 Date : 2011/11/10



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 : 16000 Rpm
 Current: 1.200 Amp

At stall (Extrapolated)

Torque : 428.073 m-Nm
 Current: 63.745 Amp

At maximum efficiency

Efficiency : 72.50 %
 Torque : 51.647 m-Nm
 Speed : 14070 Rpm
 Current : 8.746 Amp
 Output : 76.095 Watts

At maximum power

Torque : 214.036 m-Nm
 Speed : 8000 Rpm
 Current : 32.473 Amp
 Output : 179.311 Watts

Characteristics

Torque Constant : 6.844 m-Nm/Amp
 E.M.F Constant : 6.844 mV/rad/sec
 Dy. Resistance : 0.188 Ohms
 Motor Regulation: 37.377 Rpm/m-Nm

Calculation

At Torque Level:		At Fan:	
Torque:	58.860 m-Nm	Torque:	m-Nm
Speed:	13800 Rpm	Speed:	Rpm
Current:	9.800 Amp	Current:	Amp
Efficiency:	72.33 %	Efficiency:	%
Output:	85.061 Watts	Output:	Watts

COMPUTER PRINT-OUT
 NOMINAL MOTOR CURVE
 Performance and characteristics are measured based on limited motor sample only