

SOF NO. : 150727-002B

Proposal No: B2838M(9S6PN10)

Dia.

Turns

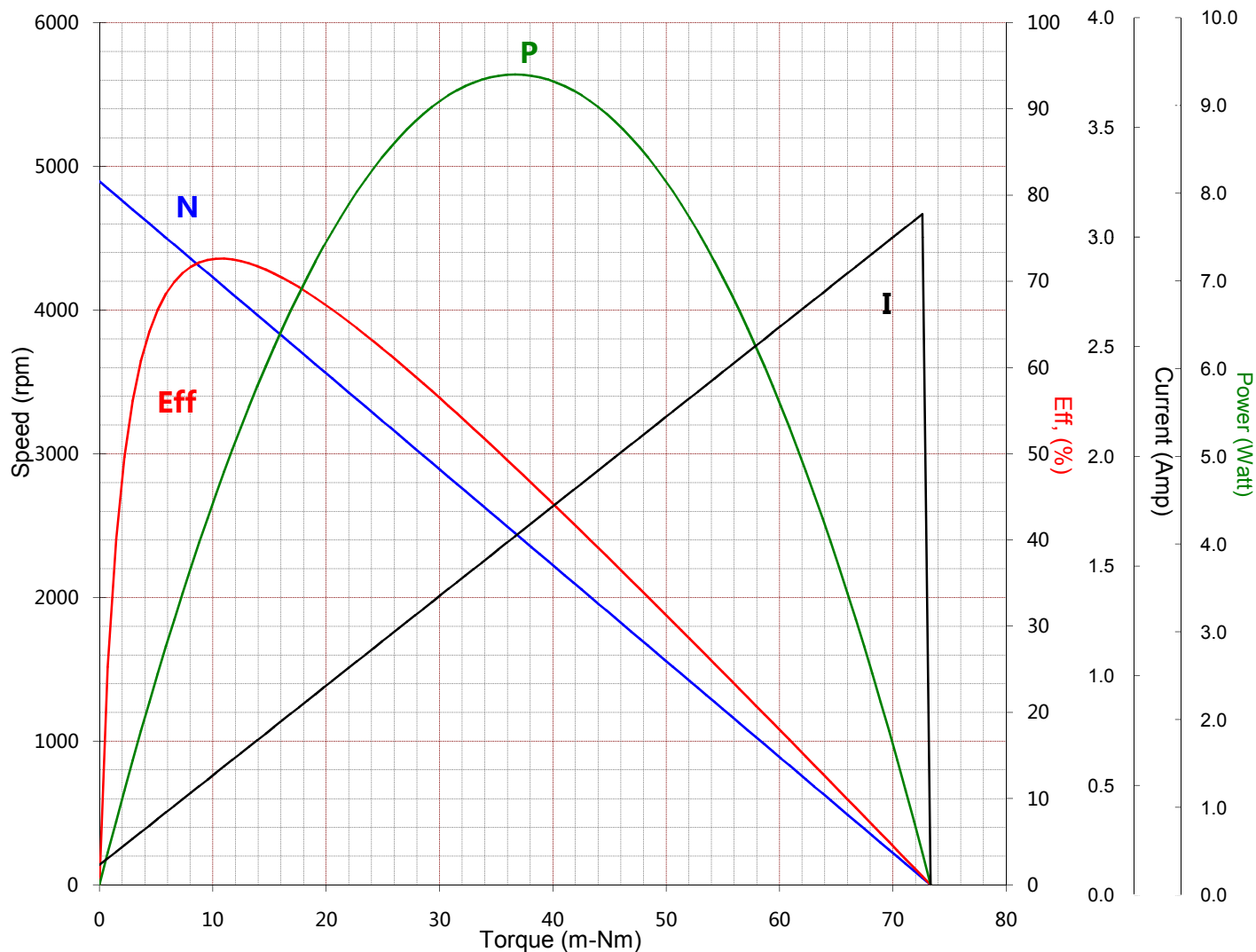
Date : 2020/8/5

Winding :

Motor test reference no : Test

PWM: 100%

Full scales Units :



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 : 4897 Rpm
Current: 0.092 Amp

At stall (Extrapolated)

Torque : 73.333 m-Nm
Current: 3.143 Amp

At maximum efficiency

Efficiency : 72.67 %
Torque : 10.726 m-Nm
Speed : 4180 Rpm
Current : 0.538 Amp
Output : 4.696 Watts

At maximum power

Torque : 36.666 m-Nm
Speed : 2448 Rpm
Current : 1.618 Amp
Output : 9.401 Watts

Characteristics

Torque Constant : 24.038 m-Nm/Amp
E.M.F Constant : 24.038 mV/rad/sec
Dy. Resistance : 3.818 Ohms
Motor Regulation: 66.771 Rpm/m-Nm

Calculation

At Torque Level: 12.000 m-Nm

Speed : 4095 Rpm
Current : 0.591 Amp
Efficiency : 72.51 %
Output : 5.146 Watts

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