

SOF NO. : 0

Proposal No: 0

Winding :

Motor test reference no :

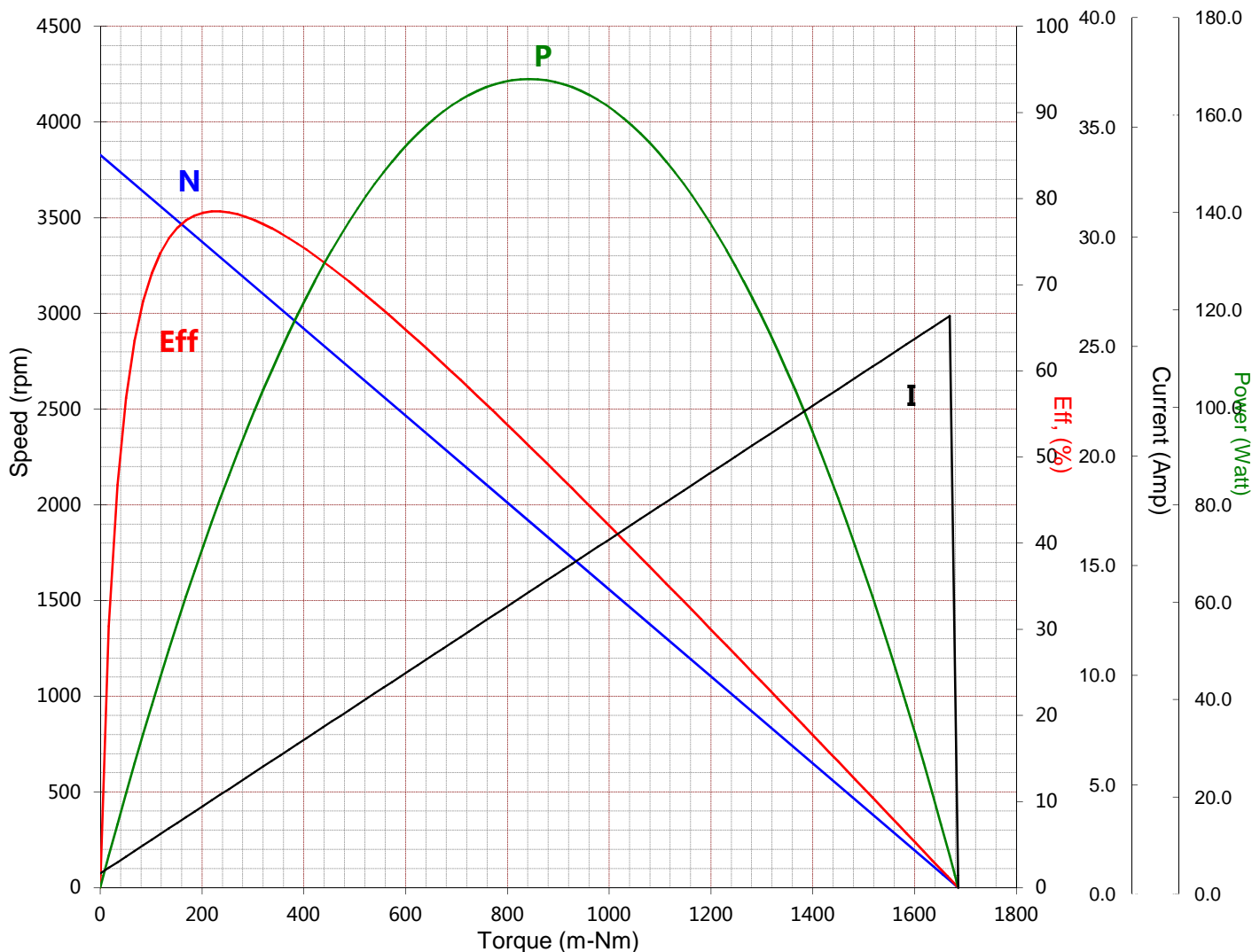
Dia.

Turns

Date : 2017/4/25

Test

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 **24.00** Volts

With a circuit resistance **0.000** Ohms

AT No Load

Speed : 3829 Rpm

Current: 0.658 Amp

At stall (Extrapolated)

Torque : 1685.714 m-Nm

Current: 26.808 Amp

At maximum efficiency

Efficiency : 78.53 %

Torque : 228.272 m-Nm

Speed : 3311 Rpm

Current : 4.199 Amp

Output : 79.140 Watts

At maximum power

Torque : 842.857 m-Nm

Speed : 1915 Rpm

Current : 13.733 Amp

Output : 168.989 Watts

Characteristics

Torque Constant : 64.462 m-Nm/Amp

E.M.F Constant : 64.462 mV/rad/sec

Dy. Resistance : 0.895 Ohms

Motor Regulation: 2.272 Rpm/m-Nm

Calculation

At Torque Level: **167.000** m-Nm

Speed : 3450 Rpm

Current : 3.248 Amp

Efficiency : 77.39 %

Output : 60.331 Watts

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