

SOF NO. : 0

Proposal No: 0

Winding :

Motor test reference no :

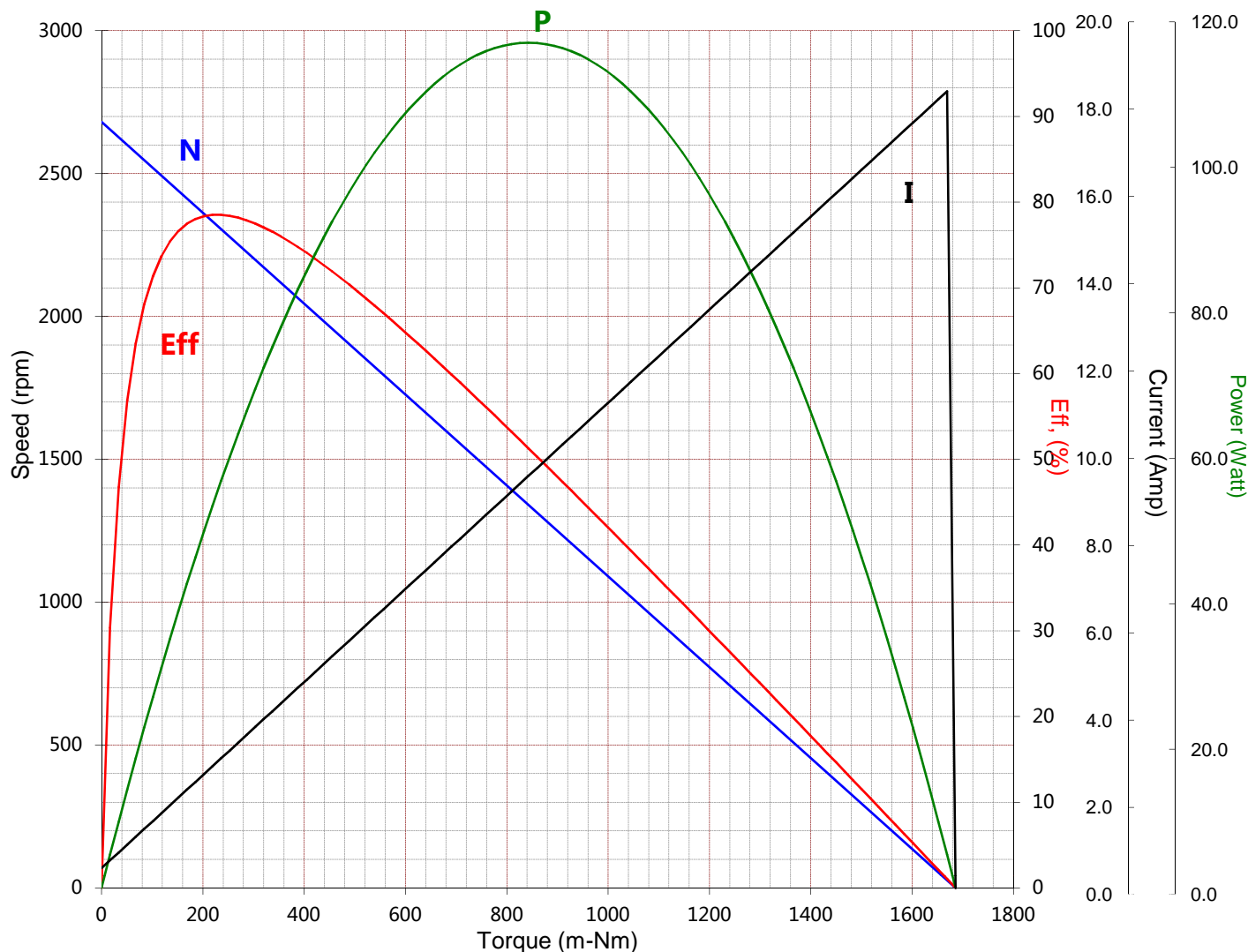
Dia.

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 : 2680 Rpm

Current: 0.460 Amp

At stall (Extrapolated)

Torque : 1685.714 m-Nm

Current: 18.766 Amp

At maximum efficiency

Efficiency : 78.53 %

Torque : 228.272 m-Nm

Speed : 2317 Rpm

Current : 2.939 Amp

Output : 55.398 Watts

At maximum power

Torque : 842.857 m-Nm

Speed : 1340 Rpm

Current : 9.613 Amp

Output : 118.292 Watts

Characteristics

Torque Constant : 92.089 m-Nm/Amp

E.M.F Constant : 92.089 mV/rad/sec

Dy. Resistance : 1.279 Ohms

Motor Regulation: 1.590 Rpm/m-Nm

Calculation

At Torque Level: **253.000** m-Nm

Speed : 2278 Rpm

Current : 3.208 Amp

Efficiency : 78.40 %

Output : 60.357 Watts

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