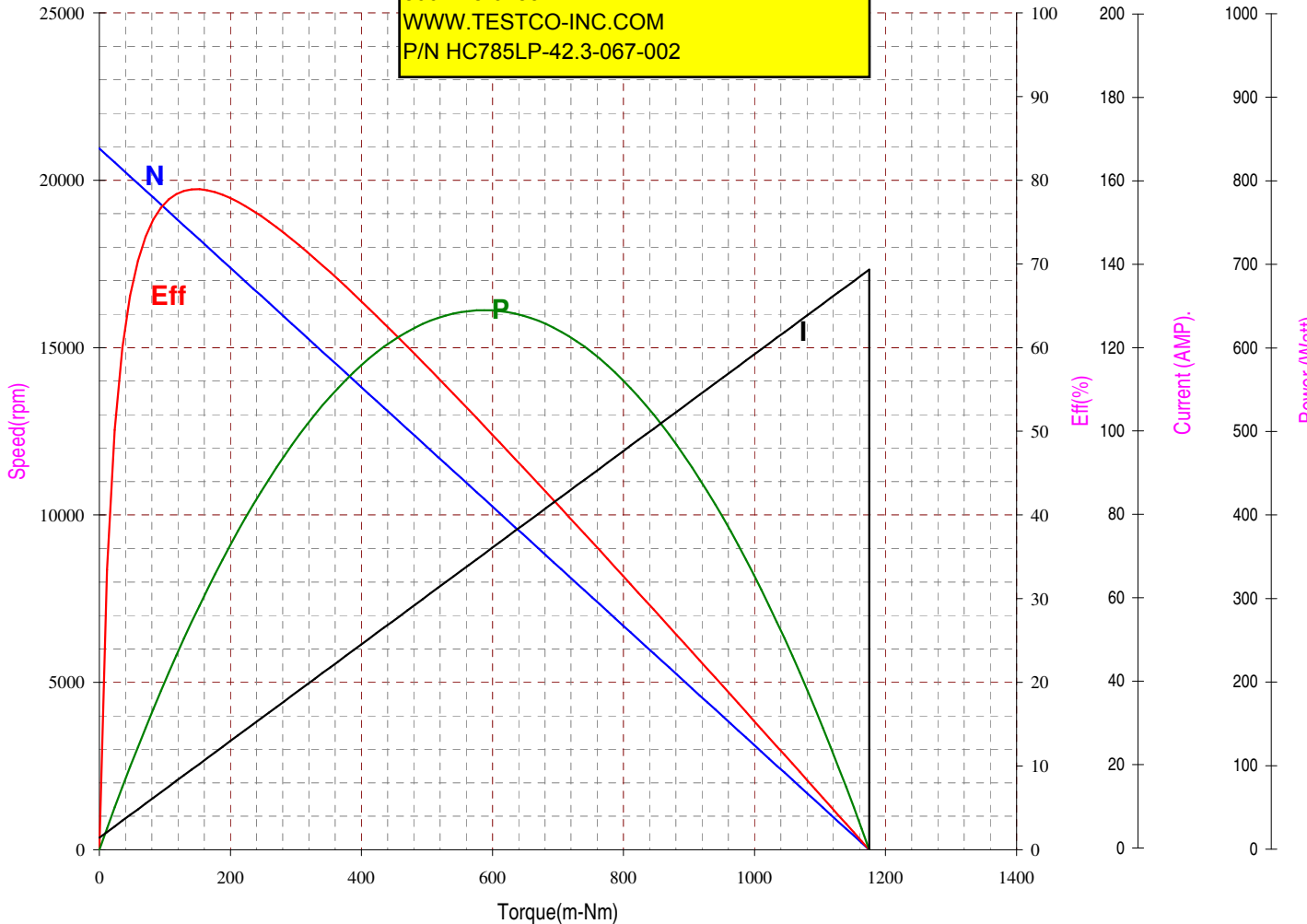


Excellence in *Micromotors* Since 1959

Date : 05/19/10

SOF NO : 15/0001 (71173)
 Project No.: 03U3096
 Winding : 0.85 - 13
 Motor test reference no :

TESTCO
 800-748-6285
 WWW.TESTCO-INC.COM
 P/N HC785LP-42.3-067-002



Performance (In an ambient temperature of 25 -30 C)

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **18.00** Volts
 With a circuit resistance **0.000** Ohms

At No Load
 Speed : 20950 Rpm
 Current: 2.883 Amp

At stall (Extrapolated)
 Torque : 1175.031 m-Nm
 Current: 138.637 Amp

At maximum efficiency
 Efficiency : 78.94 %
 Torque : 148.098 m-Nm
 Speed : 18310 Rpm
 Current : 19.993 Amp
 Output : 284.078 Watts

At maximum power
 Torque : 587.515 m-Nm
 Speed : 10475 Rpm
 Current : 70.760 Amp
 Output : 644.738 Watts

Characteristics
 Torque Constant : 8.656 m-Nm/Amp
 E.M.F Constant : 8.656 mV/rad/sec
 Dy. Resistance : 0.130 Ohms
 Motor Regulation: 17.830 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 Motor Sampling