

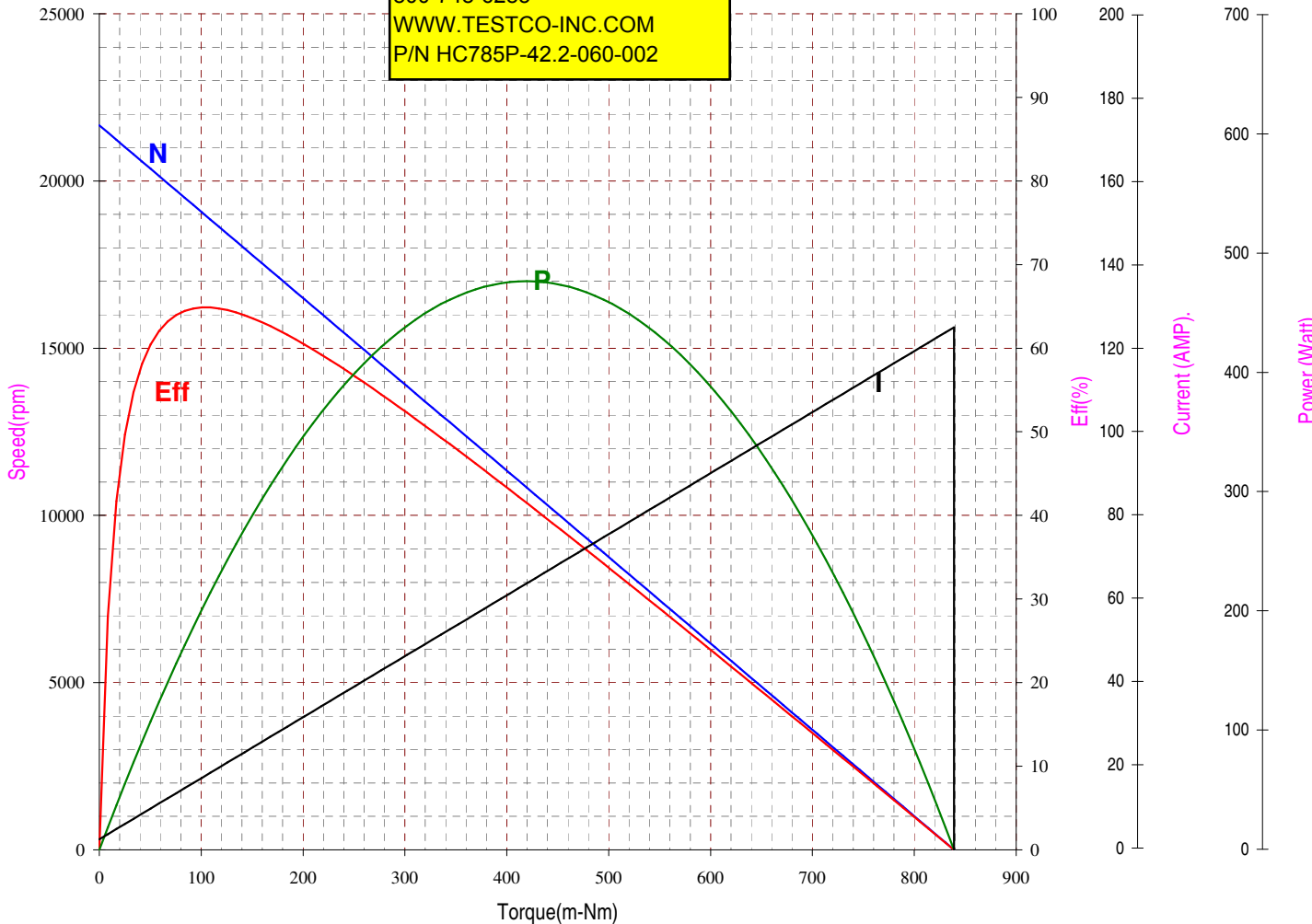


Excellence in *Micromotors* Since 1959

Date : 05/18/10

SOF NO : 15/0001 (89361)  
 Project No.: 05U3125  
 Winding : 0.75 - 16  
 Motor test reference no :

TESTCO  
 800-748-6285  
 WWW.TESTCO-INC.COM  
 P/N HC785P-42.2-060-002



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 : 21664 Rpm  
 Current: 2.523 Amp

At stall (Extrapolated)  
 Torque : 839.045 m-Nm  
 Current: 125.001 Amp

At maximum efficiency  
 Efficiency : 64.89 %  
 Torque : 104.381 m-Nm  
 Speed : 18969 Rpm  
 Current : 17.760 Amp  
 Output : 207.431 Watts

At maximum power  
 Torque : 419.523 m-Nm  
 Speed : 10832 Rpm  
 Current : 63.762 Amp  
 Output : 476.074 Watts

Characteristics  
 Torque Constant : 6.851 m-Nm/Amp  
 E.M.F Constant : 6.851 mV/rad/sec  
 Dy. Resistance : 0.144 Ohms  
 Motor Regulation: 25.820 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