

DIREC DATE DATE
 PRINT CUSTOMER P/N & CODE ONTO REAR HOUSING
 CODE FORMAT AS ESDC-038

BEFORE SOLDERING

SCN # 0 5 1 3 2

- NOTES:
1. LENGTH OF SHAFT, DIM."A" 81.0 mm.
 2. FRONT EXTENSION, DIM."B" 123 mm. MEASURED WITH SHAFT PUSHED AGAINST METAL END CAP.
 3. DIRECTION OF ROTATION: A. CLOCKWISE WHEN VIEWING MOTOR OUTPUT SHAFT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
 4. END PLAY 0.50 mm. MAX.
 5. TAPPED HOLES CAN ACCEPT MAX. MALE USABLE SCREW LENGTH OF 3.0 mm.
 6. LEAD WIRE ENDS SHOULD PUT THROUGH TERMINAL HOLES AS SHOWN IN THE DRAWING BEFORE SOLDERING. BOTH SOLDER JOINTS TO BE PROTECTED WITH SHRINKABLE TUBE.
 7. TAPPED HOLES CAN ACCEPT MAX. MALE USABLE SCREW LENGTH OF 2.3 mm IN STEEL END CAP.
 8. BENDING 90° REF. IN POSITIVE TERMINAL.

This assembly is supporting the motor into our apparatus. Please refer to the applicable national and international standards, directives and regulations for EMC. Do not start the operation in accordance with the instructions.

TESTCO
 WWW.TESTCO-INC.COM
 800-748-6285
 P/N HC685LG-35.8-057-001

REV. NO.	DATE	DESCRIPTION	BY	CHKD BY
1	20050314	INITIAL RELEASE	YJ C-BN	

TEST	REQUIREMENT	RESULT	REMARKS
1	APPROVAL	OK	
2	FUNCTIONAL	OK	
3	PERFORMANCE	OK	
4	RELIABILITY	OK	
5	ENVIRONMENTAL	OK	
6	EMC	OK	
7	OTHER	OK	

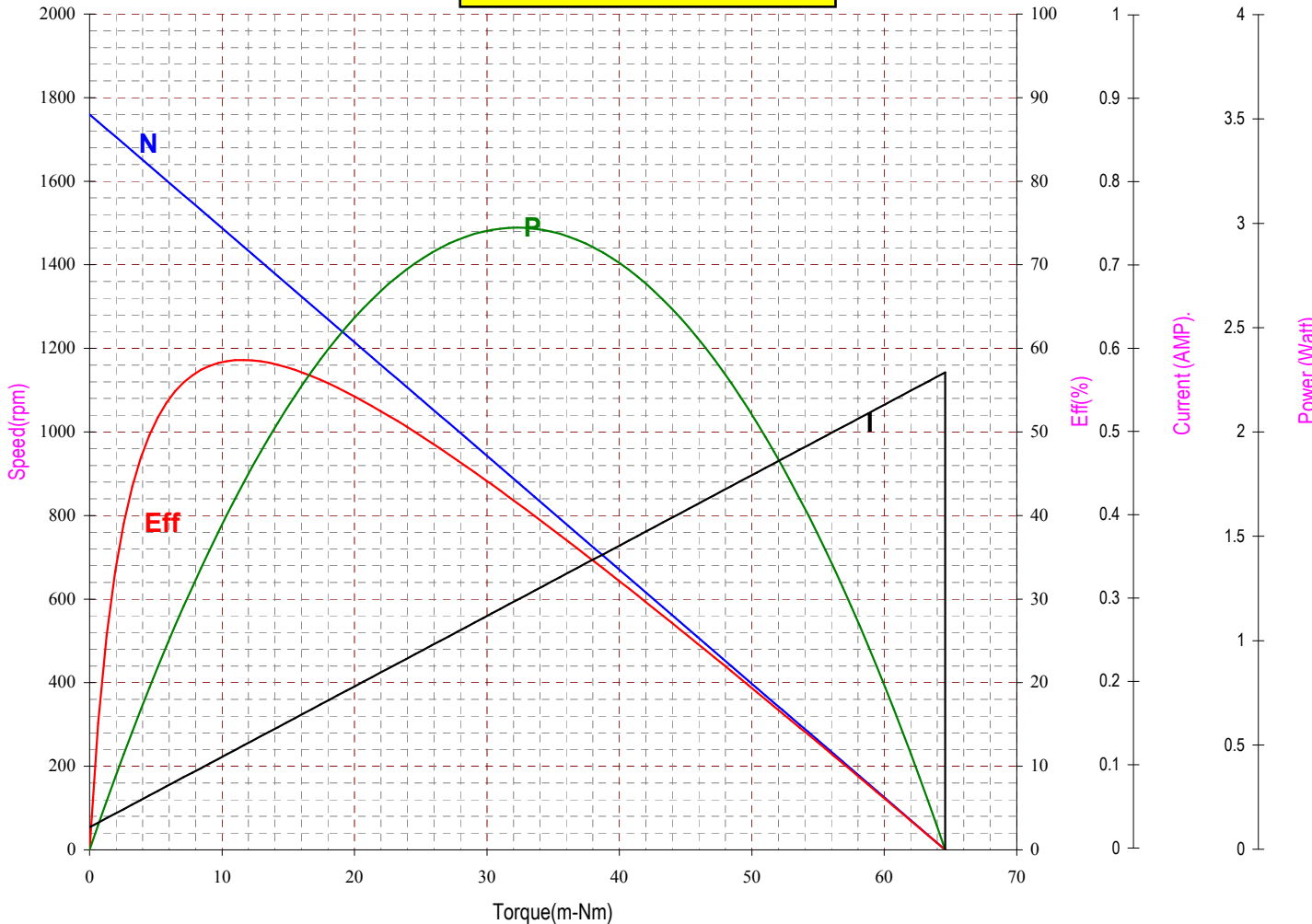
ON-LINE

SOF NO : 15/0001 (97650)
 Project No.: 04J4077

Excellence in *Micromotors* Since 1959

Date : 8/12/2010

TESTCO
 WWW.TESTCO-INC.COM
 800-748-6285
 P/N HC685LG-35.8-057-001



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 : 1760 Rpm
 Current: 0.027 Amp

At stall (Extrapolated)
 Torque : 64.599 m-Nm
 Current: 0.571 Amp

At maximum efficiency
 Efficiency : 58.62 %
 Torque : 11.536 m-Nm
 Speed : 1446 Rpm
 Current : 0.124 Amp
 Output : 1.747 Watts

At maximum power
 Torque : 32.300 m-Nm
 Speed : 880 Rpm
 Current : 0.299 Amp
 Output : 2.978 Watts

Characteristics
 Torque Constant : 118.685 m-Nm/Amp
 E.M.F Constant : 118.685 mV/rad/sec
 Dy. Resistance : 42.010 Ohms
 Motor Regulation: 27.245 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