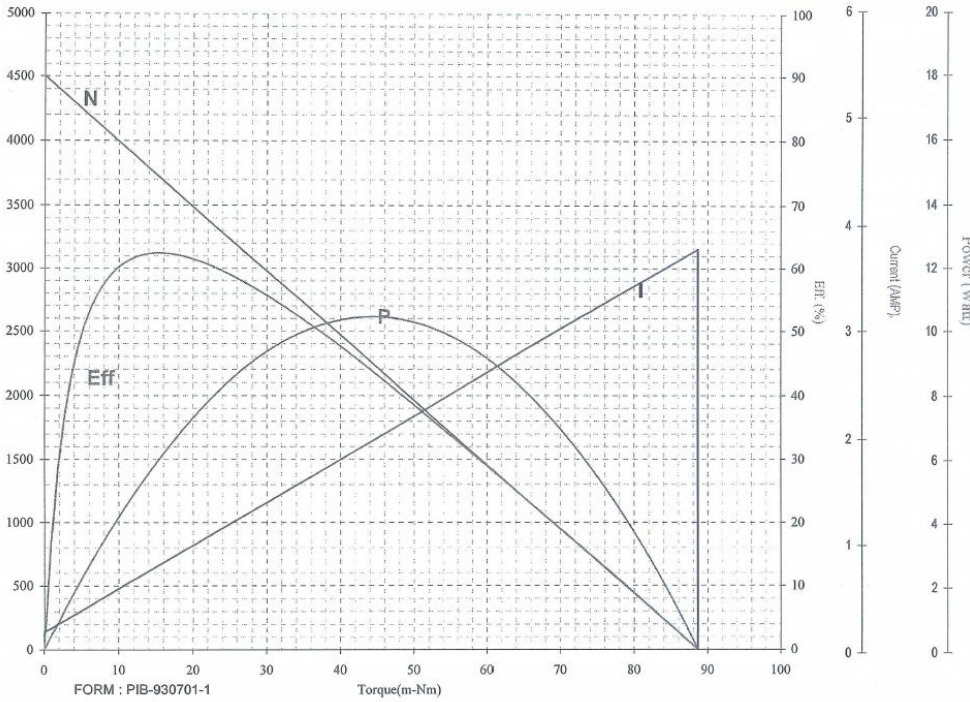


Excellence in *Micromotors* Since 1959

SOF NO : 01D1031/05/001(49934)  
 Project No.: 01D1031  
 Winding : 0.27 - 85  
 Motor test reference no : HC685G/BS/25046/5E0 (CCW)

Date : 05-11-29



Performance (In an ambient temperature of 25 -30 C)  
 Motor tested rapidly to prevent significant temperature rise.  
 At a constant voltage of 12.00 Volts  
 With a circuit resistance 0.000 Ohm

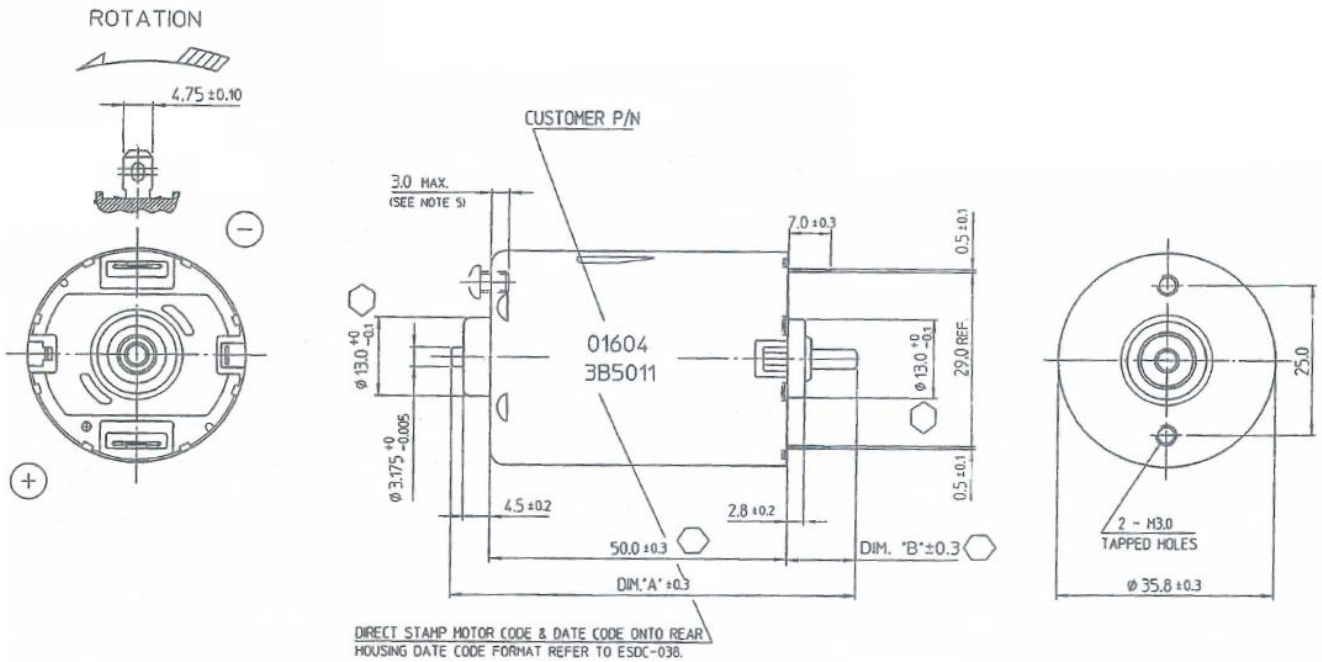
AT No Load	Speed :	4501 Rpm
	Current :	0.167 Amp
At stall (Extrapolated)	Torque :	88.669 m-Nm
	Current :	3.783 Amp
At maximum efficiency	Efficiency :	62.43 %
	Torque :	15.382 m-Nm
	Speed :	3720 Rpm
	Current :	0.794 Amp
	Output :	5.995 Watts
At maximum power	Torque :	44.335 m-Nm
	Speed :	2251 Rpm
	Current :	1.975 Amp
	Output :	10.453 Watts

Characteristics	
Torque Constant :	24.517 m-Nm/Amp
E.M.F Constant :	24.517 mV/rad/sec
Dy. Resistance :	3.318 Ohms
Motor Regulation:	50.765 Rpm/m-Nm

Calculation	
At Torque Level:	0.000 m-Nm

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

Issued by Motor Sampling



NOTES :

1. LENGTH OF SHAFT, DIM 'A' 68.0 mm.
2. FRONT EXTENSION, DIM 'B' 11.5 mm, MEASURED WITH SHAFT PUSHED AGAINST END CAP
3. DIRECTION OF ROTATION : ANTI-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. FOR THOSE DIMS. WITH SYMBOL  $\phi$ , THE CAPABILITY SHOULD CONFORM TO  $Cpk \geq 1.33$ .