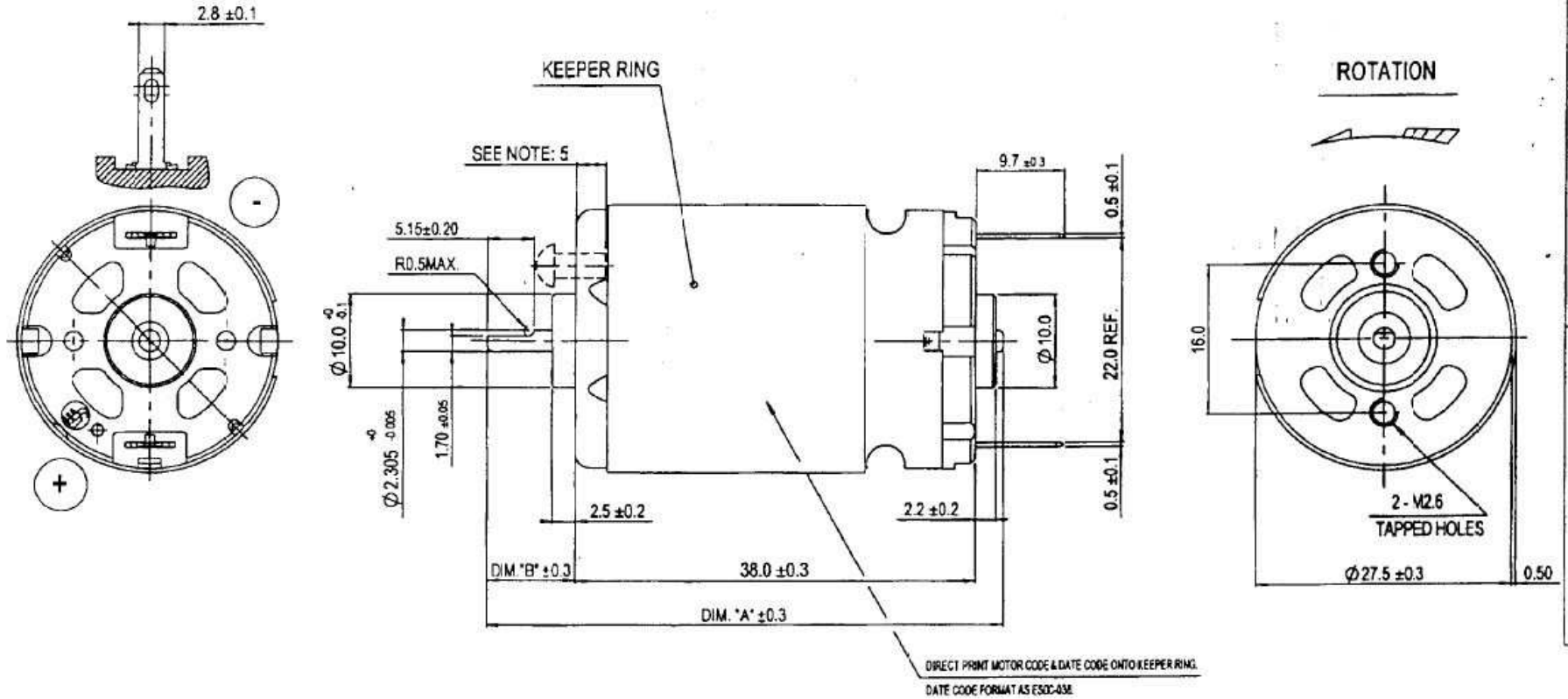

JOHNSON ELECTRIC GROUP OF COMPANIES ("JOHNSON ELECTRIC")
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The assembler incorporating this motor into an appliance, has to assure that his appliance meets the appropriate local, national or international standards, directives and specification for E.M.C.
Johnson Electric is prepared to assist the assembler in solving potential E.M.C problems

NOTES:-

1. LENGTH OF SHAFT, DIM. "A" 51.0 mm.
2. FRONT EXTENSION, DIM. "B" 9.7 mm., MEASURED WITH SHAFT PUSHED AGAINST PLASTIC END CAP.
3. DIRECTION OF ROTATION : ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL
4. END PLAY : 0.50 mm. MAX..
5. MAX. MALE SCREW LENGTH ENGAGED INTO MOTOR HOUSING TO BE 3.0 mm.

ALT.	REF.	DESCRIPTION	BY	DATE
A		FIRST ISSUE (01U3008)	LH XU	2001/07/09

MATERIAL

FINISH

TOLERANCES
1 DEC PLACE ± 0.15
2 DEC PLACES ±
3 DEC PLACES ±
ANGULAR ± 2°

A3

SCALE	2:1	DATE
DWN. BY	LH XU	2001/07/09
CHK. BY		
APP. BY		
DWG. NO.		

301 DCC
CONTROLLED DOCUMENT

TESTCO
800-748-6285
WWW.TESTCO-INC.COM
P/N HC313MG-27.5-038-003

A JOHNSON ELECTRIC GROUP COMPANY.
JOHNSON BUILDING, TAI PO, HONGKONG.

ALL DIMENSIONS ARE IN MILLIMETRES

DO NOT SCALE DRAWING

ONLINE

JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

Johnson Building,6-22, Dai Shun Street, Tai Po, Hong Kong.

Excellence in ***Micromotors*** Since 1959

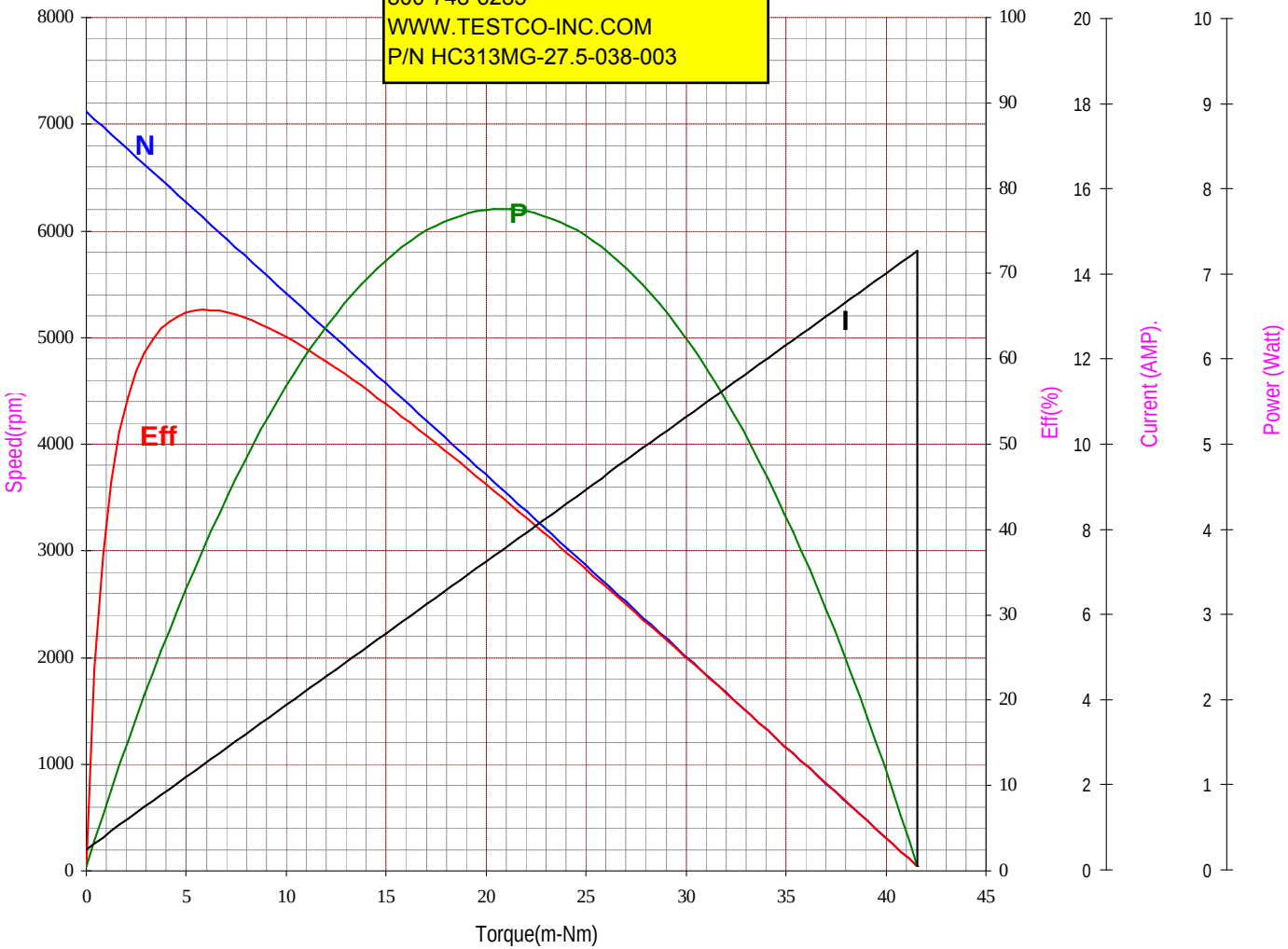
SOF NO : 02W5036/15/002 (57835) **Date :** 2002/11/02

Project No.: 02W5036

Winding : 0.47 - 34

Motor test reference no :

TESTCO
800-748-6285
WWW.TESTCO-INC.COM
P/N HC313MG-27.5-038-003



Performance (In an ambient temperature of 25 -30 C)
Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of	**2.40**	Volts
With a circuit resistance	0.000	Ohms

At No Load

Speed :	7076	Rpm
Current:	0.407	Amp

At stall (Extrapolated)

Torque :	41.569	m-Nm
Current:	14.432	Amp

At maximum efficiency

Efficiency :	65.22	%
Torque :	5.977	m-Nm
Speed :	6059	Rpm
Current :	2.424	Amp
Output :	3.794	Watts

At maximum power

Torque :	20.784	m-Nm
Speed :	3538	Rpm
Current :	7.419	Amp
Output :	7.704	Watts

Characteristics

Torque Constant :	2.964	m-Nm/Amp
E.M.F Constant :	2.964	mV/rad/sec
Dy. Resistance :	0.166	Ohms
Motor Regulation:	170.224	Rpm/m-Nm

At Torque Level:

Torque: m-Nm

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

Issued by Motor Sampling

FORM : PIB-930701-1