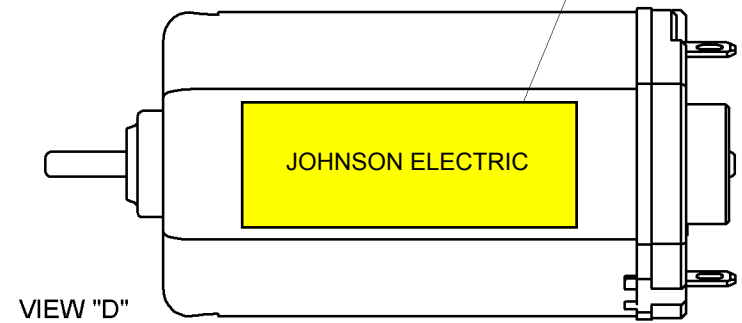
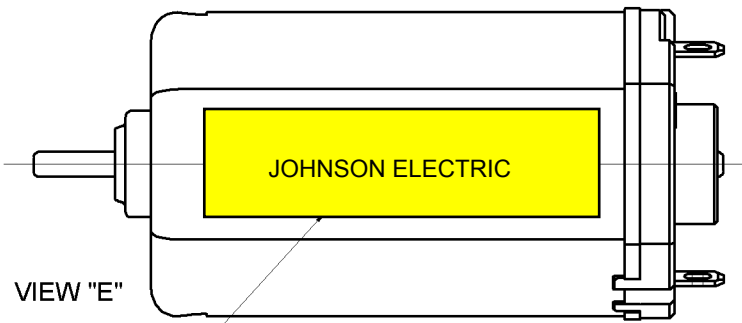
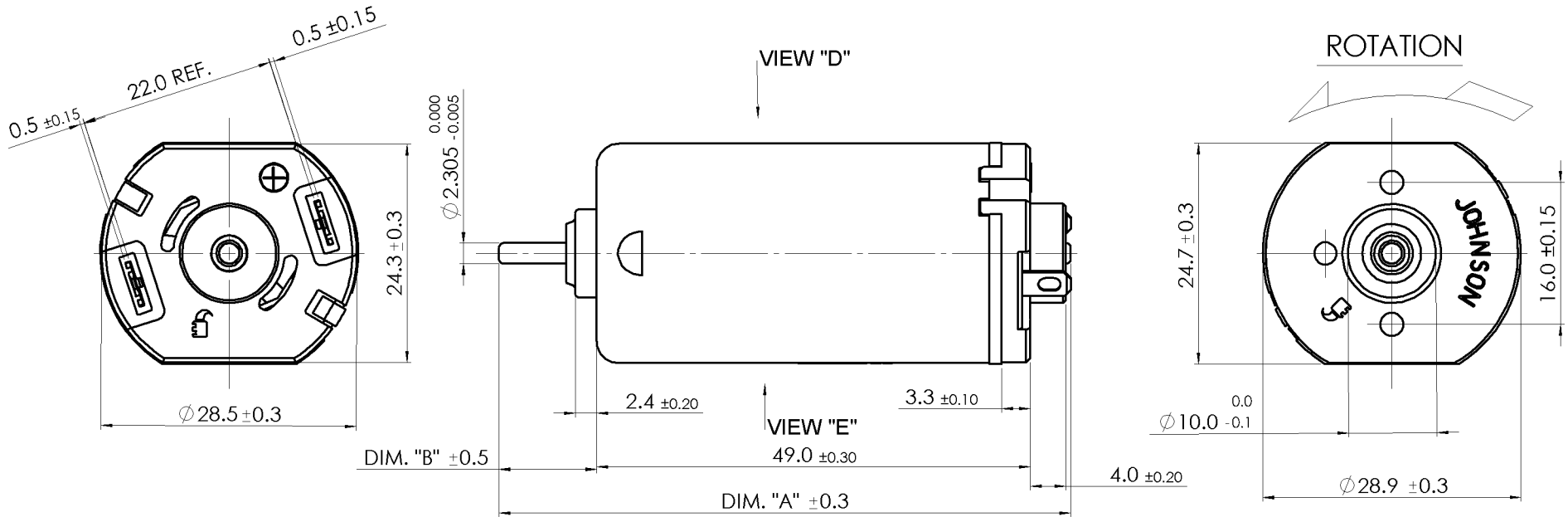


| ALT. | REF. | DESCRIPTION              | DATE (yyyymmdd) | BY   |
|------|------|--------------------------|-----------------|------|
| B    |      | DELETED "®" IN THE LABEL | 20030801        | CHAN |



DIRECT PRINT CUSTOMER LOGO, MOTOR CODE & DATE CODE ONTO REAR HOUSING. DATE CODE FORMAT AS ESDC- 038.

NOTES :

1. LENGTH OF SHAFT, DIM. "A" 64.5 mm
2. FRONT EXTENSION, DIM. "B" 11.0 MEASURED WITH SHAFT PUSHING AGAINST REAR HOUSING.
3. DIRECTION OF ROTATION : ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT WITH POSITIVE VOLTAGE APPLIES TO POSITIVE TERMINAL.
4. END PLAY: 0.5 mm MAX.
5. MALES SCREW LENGTH ENGAGED INTO MOTOR HOUSING TO BE 3.0 mm



Id : 507015000000

The assembler incorporating this motor into an apparatus, has to ensure that his apparatus meets the appropriate local, national or international standards, directives and specification for EMC. Johnson Electric is prepared to assist the assembler in solving potential EMC problems.

|                 |          |                 |  |
|-----------------|----------|-----------------|--|
| DWN. BY         | KK Chan  | CHK. BY         |  |
| Date (yyyymmdd) | 20030801 | Date (yyyymmdd) |  |

|                     |  |
|---------------------|--|
| Class               | 1  |
| MATERIAL :          |  |
| FINISH :            |  |
| General Tolerance : | ISO 2768-1 Class f (Unless specified)  |
| CRITICAL DIM        | JOHNSON ELECTRIC GROUP OF COMPANIES ("JOHNSON ELECTRIC")   |
| CONTROL DIM         | This document is the property of Johnson Electric and the information therein contained is confidential. Unauthorised reproduction or other use thereof, whether directly or indirectly, in whole or in part, is strictly prohibited. All products made or otherwise derived directly or indirectly from this document are proprietary to Johnson Electric. © Copyright Johnson Electric S.A. 2003. All rights reserved. |

TESTCO  
800-748-6285  
WWW.TESTCO-IN.COM  
P/N DF315XLG-28.9-049-001

Excellence in *Micromotors* Since 1959

SOF NO : 02J5007/15/001 (58974)

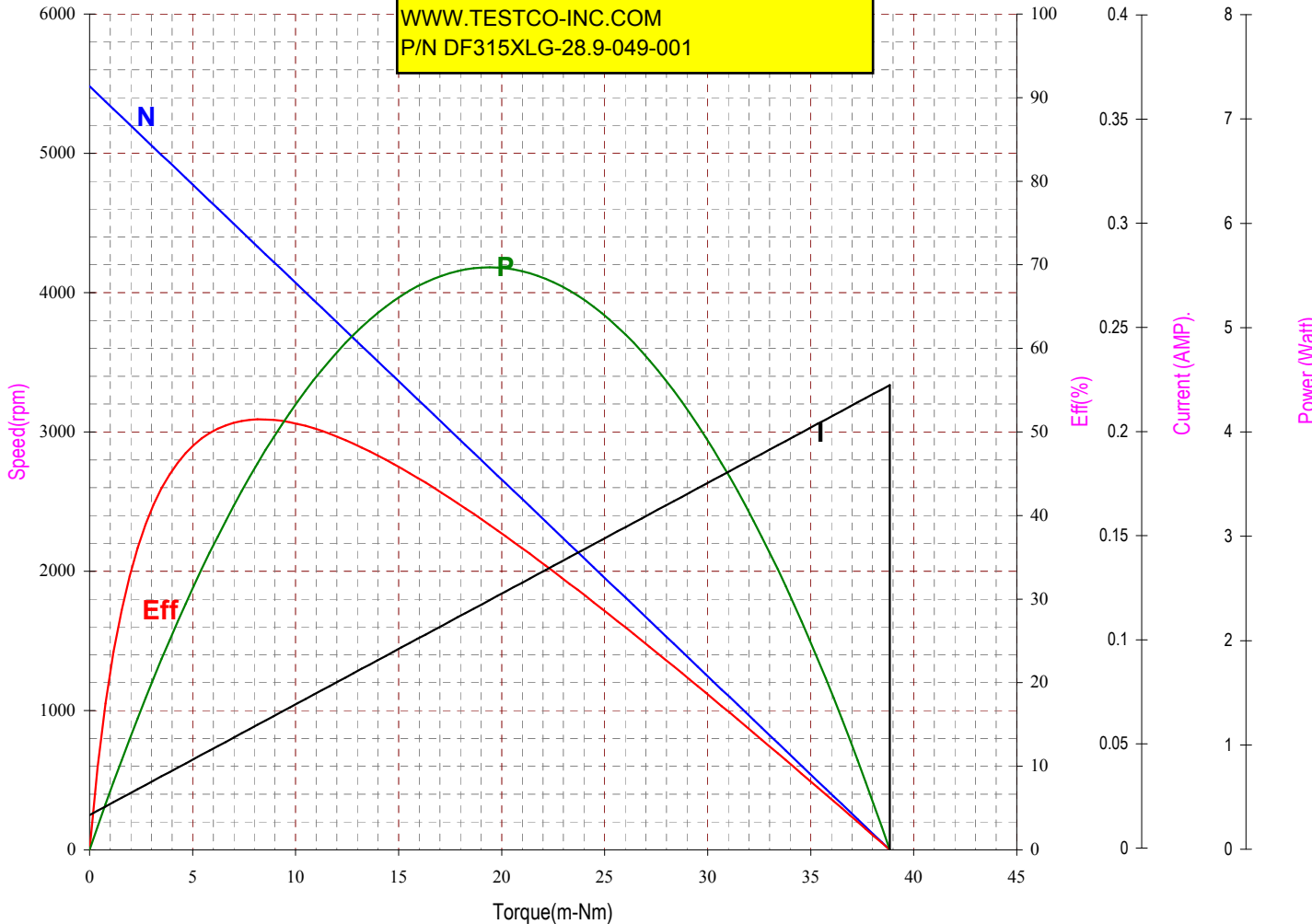
Date : 5/27/2010

Project No.: 02J5007

Winding : 0.06 - 850.0

Motor test reference no :

TESTCO  
800-748-6285  
WWW.TESTCO-INC.COM  
P/N DF315XLG-28.9-049-001



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

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **120.00** Volts  
With a circuit resistance **0.000** Ohms

At No Load  
Speed : 5482 Rpm  
Current: 0.017 Amp

At stall (Extrapolated)  
Torque : 38.834 m-Nm  
Current: 0.222 Amp

At maximum efficiency  
Efficiency : 51.51 %  
Torque : 8.346 m-Nm  
Speed : 4304 Rpm  
Current : 0.061 Amp  
Output : 3.763 Watts

At maximum power  
Torque : 19.417 m-Nm  
Speed : 2741 Rpm  
Current : 0.120 Amp  
Output : 5.575 Watts

Characteristics  
Torque Constant : 188.764 m-Nm/Amp  
E.M.F Constant : 188.764 mV/rad/sec  
Dy. Resistance : 539.582 Ohms  
Motor Regulation: 141.156 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