NOTES:

1. ELECTRICAL SPEC. No.097
2. MAX RADIAL LOAD AT RATED SPEED 105N

MOTOR RATINGS.

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>30 Vdc</td>
</tr>
<tr>
<td>Current</td>
<td>7.9 Amps</td>
</tr>
<tr>
<td>Torque</td>
<td>49 Ncm</td>
</tr>
<tr>
<td>Speed</td>
<td>3000 r.p.m</td>
</tr>
<tr>
<td>Power</td>
<td>154 Watts</td>
</tr>
</tbody>
</table>

MOTOR CONSTANTS.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Ke 7.6 V/1000 r.p.m</td>
</tr>
<tr>
<td>Torque</td>
<td>Kt 7.3 Ncm/Amp</td>
</tr>
<tr>
<td>Damping</td>
<td>Kd 0.78 Ncm/1000 r.p.m</td>
</tr>
<tr>
<td>Friction</td>
<td>Tf 2.8 Ncm</td>
</tr>
<tr>
<td>Terminal Resistance</td>
<td>0.85 Ohm</td>
</tr>
</tbody>
</table>

FINISH

- N/A

DIMENSIONS

- Unless otherwise stated, dimensions are in millimeters (mm).
- Tolerances are ±0.05 mm for linear dimensions and ±0.5° for angular dimensions.
- Surface finish 1.6.

GENERAL ASSEMBLY DETAILS

SEE DRG. 539868

ELECTRICAL SPEC. No.097

MAX RADIAL LOAD AT RATED SPEED 105N

PRINTED MOTOR WORKS Ltd, ALTON, HAMPSHIRE, GU34 2QW, UK

CUSTOMER OUTLINE DRAWING GN9 STD

ISS. DATE CR No. ZONE INITIALS
02 22/11/2011 CR3847 GB
01 17/01/2011 GB

DRAWN BY G. BELL
CHECKED BY
APPROVED BY

DATE 10/12/2010
DATE
DATE

SCALE 1:1
FINISH N/A

MATERIAL N/A

ESTIMATED MASS 1716.56

TERMINAL RESISTANCE 0.85 Ohm

PART MARKING

INCORRECT MARK ON PART NO. WHERE MARKED

UNLESS OTHERWISE STATED CHAMFER OR RADIUS 0.13 (0.005”) MAX. REMOVE BURRS & SHARP EDGES. DIMENSIONS APPLY AFTER PLATING

TOLERANCES UNLESS STATED

+0.4 -0.0 ±0.1 ±0.000 ±0.05 ANGULAR ±0.5°

SURFACE FINISH 1.6/