DUTY CYCLE
MOTOR RATINGS.

VOLTAGE........... 48 VDC
CURRENT.......... 10.25 Amps
TORQUE........... 8.0 Nm
SPEED............ 480 r.p.m
POWER............ 402 Watts

MOTOR CONSTANTS.

VOLTAGE........... Ke 61 V/1000 r.p.m
TORQUE............... Kt 58 Ncm/ Amp
DAMPING........... Kd Ncm / 1000 r.p.m
DAMPING........... Tf Ncm
TERMINAL RESISTANCE 0.51 Ohm L - L
TERMINAL INDUCTANCE 2.94 mH L - L

ENCODER.

CPR 2072
CHANNEL A & B
INDEX

NOTES:

1. ELECTRICAL TEST SPEC. No. 2131
2. THERMISTER NTC 10K 5%
   ND03N00103JCC
3. ENCODER.
   CPR 2072
   CHANNEL A & B
   INDEX

GENERAL ASSEMBLY DRG.
5310765

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CUSTOMER OUTLINE DRG. XR15-05E

DO NOT SCALE.
IF IN DOUBT ASK.
BS 8888

DRAWING NUMBER
009208

SHEET
1 OF 2

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SCALE
1:1.5

DIMENSIONS
mm

ESTIMATED MASS
3269.80

FINISH
SEE NOTE

TOLERANCES
UNLESS STATED

DIMENSIONS

UNLESS SPECIFIED
ALL CHAMFERS & RAUSD 0.5 MAX. REMOVE BURRS & SHARP EDGES. DIMENSIONS APPLY AFTER PLATING

MATERIAL
SEE NOTE

PART MARKING
INDELIBLY MARK ON PART No. PRINTED MOTOR WORKS Ltd,
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WHERE MARKED

SHAFT CENTRES SHALL CONFORM TO BS EN ISO 6411-1997 TYPE A.
CENTRE SPACES TO CONFORM TO ISO 6411

STYLE

ALTERNATIVE

GRAPHICS

WHERE MARKED

1/8 " 33°

33°

16.5°

134.0 d10 (0.145)

4 HOLES M55 5 MIN FULL THREAD
[EQUISPACED ON 121.0 PCD
C'BORE 5.5 x 3 -0.10/-0.05 DEEP
C'BORE 10.0 x 1 -0.0/+0.05 DEEP

4 HOLES M87.0
2 HOLES M4 THRO' X

4 HOLES M4 THRO' X

4 HOLES M4 THRO' X

4 HOLES M4 THRO' X

POWER CABLES
BRAID SCREEN
U,V,W 45° ± 20
CONTROL CABLE
14 WAY SCREENED
450 ± 20
CONTROL RIBBON
SEE DRG. 4810788

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTIONALITY</th>
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<tbody>
<tr>
<td>1</td>
<td>+5V</td>
</tr>
<tr>
<td>2</td>
<td>0V</td>
</tr>
<tr>
<td>3</td>
<td>HALL 1</td>
</tr>
<tr>
<td>4</td>
<td>HALL 2</td>
</tr>
<tr>
<td>5</td>
<td>HALL 3</td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>INDEX +5V</td>
</tr>
<tr>
<td>8</td>
<td>INDEX 0V</td>
</tr>
<tr>
<td>9</td>
<td>CHANNEL A +5V</td>
</tr>
<tr>
<td>10</td>
<td>CHANNEL A 0V</td>
</tr>
<tr>
<td>11</td>
<td>CHANNEL B +5V</td>
</tr>
<tr>
<td>12</td>
<td>CHANNEL B 0V</td>
</tr>
<tr>
<td>13</td>
<td>THERMISTOR 1</td>
</tr>
<tr>
<td>14</td>
<td>THERMISTOR 2</td>
</tr>
</tbody>
</table>

PIN 1 'U' RED
PIN 2 'V' YELLOW
PIN 3 'W' BLUE