**INTERMITTENT FORCE @ 10% DUTY CYCLE**
- 130.8 N 29.4 LB

**CONTINUOUS FORCE**
- 41.4 N 9.3 LB

**FORCE CONSTANT**
- 14.6 N/A 3.3 LB/A

**BACK EMF CONSTANT**
- 14.6 V/M/S 0.4 V/IN/S

**STROKE**
- 282 mm 11.1 IN

**MAGNETIC COUPLING FORCE**
- 0.0 N 0.0 LB

**MOVING MASS**
- 2 KG 4.4 LB

**TOTAL MASS**
- 14.5 KG 31.9 LB

**COIL RESISTANCE - PHASE TO PHASE**
- 4.7 Ohms

**COIL INDUCTANCE - PH TO PH @ 1KHz**
- 2.4 mH

**MAX CONTINUOUS POWER**
- 38 W

**MAX BALANCED VERTICAL LOAD**
- 91 KG 200 LB

**LINEAR BEARING TYPE**
- RECIRCULATING BALL

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**NOTES:**
- ALL VALUES AT 25°C
- SHOWN AT LIMIT AGAINST INNER STOP
- UNLESS OTHERWISE SPECIFIED

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**DIMENSIONS ARE IN INCHES (mm)**

<table>
<thead>
<tr>
<th>DECIMALS</th>
<th>FRACTIONS</th>
<th>ANGLES</th>
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<tbody>
<tr>
<td>±0.005</td>
<td>±1/25</td>
<td>±1/2</td>
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**UNLESS OTHERWISE SPECIFIED**

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**MATERIAL**

**FINISH**

**APPLICATION**

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**REVISIONS**

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<th>ZONE</th>
<th>LETTER</th>
<th>DESCRIPTION</th>
<th>DATE</th>
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**MOTICONT**

**LINEAR POSITIONING STAGE**

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**CONTRACT**

**DRN**

**CHRG**

**APPROVED**

**SIZE CODE**

**DWG. NO.**

**CX-280-01**

**REV.**

**SCALE: 1/8 SHEET 1 OF 1**