**HORIZONTAL MOTORS**

**AUTOMOTIVE DUTY WITH NEMA "C" FACE**

**FRAME: 254, 256UC**

**BASIC TYPE: JADF, JDEF**

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**DIMENSIONS ARE IN INCHES AND MILLIMETERS**

<table>
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<tr>
<th>UNITS</th>
<th>C</th>
<th>P</th>
<th>T</th>
<th>U</th>
<th>W</th>
<th>AA</th>
<th>AB</th>
<th>AC</th>
<th>AF</th>
<th>AG</th>
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<tbody>
<tr>
<td>IN</td>
<td>22.88</td>
<td>13.31</td>
<td>1.75</td>
<td>1.375</td>
<td>.38</td>
<td>11.56</td>
<td>8.56</td>
<td>2.63</td>
<td>19.38</td>
<td>3.50</td>
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<td>MM</td>
<td>581</td>
<td>338</td>
<td>44</td>
<td>34.93</td>
<td>10</td>
<td>294</td>
<td>217</td>
<td>67</td>
<td>492</td>
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<tr>
<th>UNITS</th>
<th>AJ</th>
<th>AK</th>
<th>BB MIN</th>
<th>BC</th>
<th>BD MAX</th>
<th>BF</th>
<th>BV</th>
<th>ES MIN</th>
<th>SQ KEY</th>
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<tr>
<td>IN</td>
<td>7.250</td>
<td>.003</td>
<td>25</td>
<td>25</td>
<td>9.00</td>
<td>1/2-13 X .75</td>
<td>10.00</td>
<td>2.76</td>
<td>3.13</td>
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<td>MM</td>
<td>184.15</td>
<td>215.50</td>
<td>6</td>
<td>6</td>
<td>229</td>
<td>254</td>
<td>70</td>
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**TOLERANCES**

- **FACE RUNOUT**: .004 T.I.R.
- **PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET**: .004 T.I.R.
- **PERMISSIBLE SHAFT RUNOUT**: .002 T.I.R.

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1. ALL ROUGH DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
2. TAP SIZE AND BOLT PENETRATION ALLOWANCE.
3. ALL TAPPED HOLES ARE UNIFIED NATIONAL COARSE, RIGHT HAND THREAD.
4. TOLERANCE SHOWN ARE IN INCHES ONLY.
5. CONDUIT BOX MAY BE LOCATED ON EITHER SIDE OF MOTOR. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90 DEGREES REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.
6. LARGEST MOTOR WIDTH.
7. THIS UNIT MAY HAVE HORIZONTAL LIFTING, VERTICAL LIFTING OR BOTH.

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*Nidec Motor Corporation*

St. Louis, Missouri

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