VERTICAL MOTORS  
TEFC - HIGH THRUST  
FRAME: 284VP THRU 286VPHZ  
BASIC TYPE: TV4

**ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS**

<table>
<thead>
<tr>
<th>FRAME</th>
<th>UNITS</th>
<th>C</th>
<th>P</th>
<th>AA</th>
<th>AB</th>
<th>AC</th>
<th>AF</th>
<th>AG</th>
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<tbody>
<tr>
<td>284, 286VP, VPA, VPH</td>
<td>IN</td>
<td>30.88</td>
<td>13.38</td>
<td>1.50</td>
<td>11.07</td>
<td>8.31</td>
<td>2.59</td>
<td>28.13</td>
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<td>MM</td>
<td>784</td>
<td>340</td>
<td>281</td>
<td>211</td>
<td>68</td>
<td>715</td>
<td></td>
</tr>
<tr>
<td>284, 286VPZ, VPAZ, VPHZ</td>
<td>IN</td>
<td>32.63</td>
<td>13.38</td>
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<td>715</td>
<td></td>
</tr>
</tbody>
</table>

1: ALL ROUGH DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.  
2: LARGEST MOTOR WIDTH.  
3: CONDUIT OPENING MAY BE LOCATED IN STEPS OF 180°. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.  
4: TOLERANCES SHOWN ARE IN INCHES ONLY.  
5: FRAME REFERENCE: 14.750”/284/286

**TOLERANCES**

- .8250 AK ± .003
- 13.500 AK ± .003

**FACE RUNOUT**

- .004 T.I.R.  
- .004 T.I.R.

**PERMISSIBLE ECCENTRICITY**

- .004 T.I.R.  
- .004 T.I.R.

**PERMISSIBLE SHAFT RUNOUT**

- .002 T.I.R.  
- .002 T.I.R.

**"AK" DIMENSION**

- +.000, -.003  
- +.000, -.003

_Nidec Motor Corporation  
St. Louis, Missouri_