HFGS RANGE

HFGS spindles are motorised spindles capable of performing at high speeds during use in boring, milling, turning and drilling applications. High frequency spindles can increase productivity due to their higher speeds, increased power output and improved performance.

The spindles are designed as compact units by incorporating the shaft and electric motor together. Traces of vibration are then removed by balancing the unit.

The spindles generally feature precision angular contact bearings to maximise stiffness of the spindle while minimising temperature rises.

HFGS spindles can be supplied for operation at any common voltage as well as other specifications if required.

Spindles are designed for a preferred configuration although they can be supplied to run horizontally, vertically or at any angles. For units with coolant requirements there may be other design considerations.

As well as the standard HFGS range, bespoke spindles can be designed to your requirements.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>DIMENSIONS (L x W x H or ØD x L)</th>
<th>645 x 255 x 260 mm</th>
<th>25.4 x 10.1 x 10.3 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX SPEED</td>
<td>9000 RPM</td>
<td></td>
</tr>
<tr>
<td>POWER</td>
<td>22.4 kW</td>
<td>30 HP</td>
</tr>
<tr>
<td>ROTATION</td>
<td>ANTI-CLOCKWISE</td>
<td></td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>380</td>
<td></td>
</tr>
<tr>
<td>SUPPLY FREQUENCY</td>
<td>300 Hz</td>
<td></td>
</tr>
<tr>
<td>LUBRICATION</td>
<td>GREASE</td>
<td></td>
</tr>
<tr>
<td>TOOL INTERFACE</td>
<td>BT40</td>
<td></td>
</tr>
<tr>
<td>COOLING</td>
<td>FAN</td>
<td></td>
</tr>
<tr>
<td>ORIENTATION</td>
<td>VERTICAL NOSE DOWN</td>
<td></td>
</tr>
<tr>
<td>BODY TYPE</td>
<td>PRISMATIC</td>
<td></td>
</tr>
</tbody>
</table>
DIMENSIONS

HFGS 849

4 x M10 ON 66.675 mm P.C.D.

6 x M18 TAPPED HOLES

260,4 mm [10.25 in]
255,6 mm [10.063 in]
196,9 mm [7.75 in]
257,2 mm [10.125 in]

645,2 mm [25.4 in]
443,8 mm [17.473 in]
144,3 mm [5.683 in]
127 mm [5 in]
127 mm [5 in]
130,9 mm [5.155 in]
96,8 mm [3.89 in]
187,3 mm [7.375 in]

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