## Injection Unit

<table>
<thead>
<tr>
<th>International Size</th>
<th>Measure</th>
<th>360</th>
<th>500</th>
<th>720</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Std.</td>
<td>HiPr</td>
<td>xHiPr</td>
</tr>
<tr>
<td>Injection Capacity (GPPS)</td>
<td>oz.</td>
<td>9.7</td>
<td>7.7</td>
<td>5.9</td>
</tr>
<tr>
<td></td>
<td>g</td>
<td>276</td>
<td>218</td>
<td>167</td>
</tr>
<tr>
<td>Injection Capacity</td>
<td>cu. in.</td>
<td>17.9</td>
<td>14.1</td>
<td>10.8</td>
</tr>
<tr>
<td></td>
<td>ccm</td>
<td>293</td>
<td>231</td>
<td>177</td>
</tr>
<tr>
<td>Recovery Rate (GPPS)</td>
<td>oz./sec.</td>
<td>1.18</td>
<td>1.04</td>
<td>0.99</td>
</tr>
<tr>
<td></td>
<td>g/sec</td>
<td>33.4</td>
<td>29.4</td>
<td>28.1</td>
</tr>
<tr>
<td>Injection Pressure</td>
<td>psi</td>
<td>17,901</td>
<td>22,656</td>
<td>29,592</td>
</tr>
<tr>
<td></td>
<td>bar</td>
<td>1,234</td>
<td>1,562</td>
<td>2,040</td>
</tr>
<tr>
<td>Injection Rate (@ 10,000 psi)</td>
<td>@ 700 bar</td>
<td>21.0</td>
<td>16.6</td>
<td>12.7</td>
</tr>
<tr>
<td></td>
<td>cu. in./sec.</td>
<td>344</td>
<td>271</td>
<td>208</td>
</tr>
<tr>
<td></td>
<td>ccm/sec</td>
<td>184</td>
<td>148</td>
<td>104</td>
</tr>
<tr>
<td>Injection Stroke</td>
<td>in.</td>
<td>7.2</td>
<td>7.2</td>
<td>7.2</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>184</td>
<td>148</td>
<td>104</td>
</tr>
<tr>
<td>Screw Diameter</td>
<td>in.</td>
<td>1.77</td>
<td>1.57</td>
<td>1.38</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>45</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>Screw L/D Ratio</td>
<td>20/1</td>
<td>20/1</td>
<td>20/1</td>
<td>20/1</td>
</tr>
<tr>
<td></td>
<td>20/1</td>
<td>20/1</td>
<td>20/1</td>
<td>20/1</td>
</tr>
</tbody>
</table>

## Clamp Unit

<table>
<thead>
<tr>
<th>Clamp Force</th>
<th>U.S. tons</th>
<th>165</th>
<th>1,469</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamp Stroke - Max.</td>
<td>in.</td>
<td>19.7</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>41.7</td>
<td>1,060</td>
</tr>
<tr>
<td>Open Daylight - Max.</td>
<td>in.</td>
<td>9.8</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>9.8</td>
<td>250</td>
</tr>
<tr>
<td>Mold Thickness - Min.</td>
<td>in.</td>
<td>19.7</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>19.7</td>
<td>500</td>
</tr>
<tr>
<td>Distance Between Tie Bars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizontal</td>
<td>in.</td>
<td>19.7</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td>Vertical</td>
<td>in.</td>
<td>19.7</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td>Platen Size</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizontal</td>
<td>in.</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td>Vertical</td>
<td>in.</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>29.5</td>
<td>750</td>
</tr>
<tr>
<td>Ejector</td>
<td>Ejector Force</td>
<td>U.S. tons</td>
<td>5.6</td>
</tr>
<tr>
<td></td>
<td>in.</td>
<td>6.3</td>
<td>160</td>
</tr>
</tbody>
</table>

## General Machine Specifications

<table>
<thead>
<tr>
<th>Measure</th>
<th>360</th>
<th>500</th>
<th>720</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Motor</td>
<td>hp</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>kW</td>
<td>22.4</td>
<td>22.4</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>gal.</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>l</td>
<td>341</td>
<td>341</td>
</tr>
<tr>
<td>Machine Weight (approx.)</td>
<td>lb</td>
<td>16,300</td>
<td>16,300</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td>7,400</td>
<td>7,400</td>
</tr>
<tr>
<td>Machine Dimensions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>ft.</td>
<td>17.1</td>
<td>17.1</td>
</tr>
<tr>
<td></td>
<td>m</td>
<td>5.2</td>
<td>5.2</td>
</tr>
<tr>
<td>Width</td>
<td>ft.</td>
<td>4.9</td>
<td>4.9</td>
</tr>
<tr>
<td></td>
<td>m</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Height</td>
<td>ft.</td>
<td>6.9</td>
<td>6.9</td>
</tr>
<tr>
<td></td>
<td>m</td>
<td>2.1</td>
<td>2.1</td>
</tr>
</tbody>
</table>

Performance specifications are based on theoretical data and mold, material and conditions. Since continuous improvement is Van Dorn Demag’s policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.

The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.