GROUP 2P – P3000 SERIES

PERFORMANCE DATA

Pressures quoted are relief valve maximum by-pass
Performance with SAE 20W oil at 50°C

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>Nominal Displacement</th>
<th>Nominal Delivery @ 1500 rpm &amp; Pressure P</th>
<th>Maximum Continuous Pressure P</th>
<th>Speed at Maximum Continuous Pressure P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>cc/rev</td>
<td>lpm</td>
<td>psi</td>
<td>bar</td>
</tr>
<tr>
<td>3050</td>
<td>15.13</td>
<td>22.70</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3070</td>
<td>21.33</td>
<td>32.00</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3090</td>
<td>27.33</td>
<td>41.00</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3105</td>
<td>31.80</td>
<td>47.70</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3120</td>
<td>36.33</td>
<td>54.50</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3146</td>
<td>44.33</td>
<td>66.50</td>
<td>2525</td>
<td>174</td>
</tr>
<tr>
<td>3158</td>
<td>47.87</td>
<td>71.80</td>
<td>2525</td>
<td>174</td>
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<tr>
<td>3220</td>
<td>66.67</td>
<td>100.00</td>
<td>2000</td>
<td>138</td>
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</tbody>
</table>

TYPICAL PERFORMANCE

TYPICAL PUMP DELIVERY
Flow at Max. Pressure.

TYPICAL INPUT HORSEPOWER
Fluid SAE 20W
Fluid Temperature 50°C
2P SERIES

INSTALLATION DIMENSIONS

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>DIM-X</th>
<th>DIM-Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2P-3220</td>
<td>81.7</td>
<td>167.8</td>
</tr>
<tr>
<td>2P-3200</td>
<td>72.8</td>
<td>150.0</td>
</tr>
<tr>
<td>2P-3180</td>
<td>69.7</td>
<td>143.8</td>
</tr>
<tr>
<td>2P-3158</td>
<td>74.3</td>
<td>153.0</td>
</tr>
<tr>
<td>2P-3146</td>
<td>72.8</td>
<td>150.0</td>
</tr>
<tr>
<td>2P-3120</td>
<td>69.7</td>
<td>143.8</td>
</tr>
<tr>
<td>2P-3105</td>
<td>67.9</td>
<td>140.0</td>
</tr>
<tr>
<td>2P-3090</td>
<td>59.1</td>
<td>122.6</td>
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<tr>
<td>2P-3070</td>
<td>56.7</td>
<td>117.7</td>
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<tr>
<td>2P-3050</td>
<td>54.3</td>
<td>113.0</td>
</tr>
<tr>
<td>PUMP TYPE</td>
<td>DIM-X</td>
<td>DIM-Y</td>
</tr>
</tbody>
</table>

All dimensions are in mm unless specified.

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2P SERIES

DRIVE SHAFT

CODE - T

WOODRUFF KEY
BS:46-506

Ø21.59 GAUGE BASIC TAPER.
PER INCH ON DIA 0.125" (1:8)

CODE - S

SAE SPLINE,
FLAT ROOT SIDE FIT.
13 TEETH 16/32 DP.
CLASS 1 FIT.

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
2P SERIES

DRIVE SHAFT

CODE - P

All dimensions are in mm unless specified.
MOUNTING FLANGE

CODE - D

All dimensions are in mm unless specified.

CODE - S

All dimensions are in mm unless specified.
MOUNTING FLANGE

CODE - X

2 HOLES
Ø11.0

106.2 PCD.

6xØ11.0 EQUISPACED
ON 82.5 PCD.

CODE - H
2P SERIES

DRIVE SHAFT

CODE - Q, QUILL ADAPTER

<table>
<thead>
<tr>
<th>QUILL CODE</th>
<th>MAX. STANDOUT, A</th>
<th>SPLINE LENGTH, B</th>
</tr>
</thead>
<tbody>
<tr>
<td>K2</td>
<td>30.5</td>
<td>12.2</td>
</tr>
<tr>
<td>K3</td>
<td>41.5</td>
<td>25.4</td>
</tr>
</tbody>
</table>

DATUM FACE-Z

SPLINE DATA:
13 TEETH 16/32 DP
MAX Eff. Tooth Thick
0.13 Below Class 1 Fit.

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
2P SERIES

BODY PORT

CODE - S

CODE - F

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
2P SERIES

BODY PORT

CODE - J

INLET

1-5/8"-12 UN

OUTLET

1-5/16"-12 UN

CODE - T

INLET

1" BSP

OUTLET

3/4" BSP

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.