GROUP 3P – 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>3150</td>
<td>45.33</td>
<td>68.00</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3180</td>
<td>54.33</td>
<td>81.50</td>
<td>3000</td>
<td>207</td>
</tr>
<tr>
<td>3210</td>
<td>63.67</td>
<td>95.50</td>
<td>3000</td>
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</tr>
<tr>
<td>3250</td>
<td>75.67</td>
<td>113.50</td>
<td>3000</td>
<td>207</td>
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<tr>
<td>3300</td>
<td>90.67</td>
<td>136.00</td>
<td>2525</td>
<td>174</td>
</tr>
<tr>
<td>3330</td>
<td>100.00</td>
<td>150.00</td>
<td>2300</td>
<td>159</td>
</tr>
<tr>
<td>3380</td>
<td>115.33</td>
<td>173.00</td>
<td>2000</td>
<td>138</td>
</tr>
<tr>
<td>3500</td>
<td>151.33</td>
<td>227.00</td>
<td>1500</td>
<td>100</td>
</tr>
</tbody>
</table>

TYPICAL PERFORMANCE

TYPICAL PUMP DELIVERY
Flow at Max. Pressure.

TYPICAL INPUT HORSEPOWER
Fluid SAE 20W
Fluid Temperature 50°C
3P SERIES

INSTALLATION DIMENSIONS

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>DIMENSION-X</th>
<th>DIMENSION-Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>3P 3150</td>
<td>70.1</td>
<td>145.2</td>
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<tr>
<td>3P 3180</td>
<td>72.5</td>
<td>150.0</td>
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<tr>
<td>3P 3210</td>
<td>74.9</td>
<td>154.8</td>
</tr>
<tr>
<td>3P 3250</td>
<td>78.1</td>
<td>161.2</td>
</tr>
<tr>
<td>3P 3300</td>
<td>82.1</td>
<td>169.1</td>
</tr>
<tr>
<td>3P 3330</td>
<td>84.6</td>
<td>174.3</td>
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<tr>
<td>3P 3380</td>
<td>88.6</td>
<td>182.3</td>
</tr>
<tr>
<td>3P 3500</td>
<td>98.9</td>
<td>202.8</td>
</tr>
</tbody>
</table>

All dimensions are in mm unless specified.
3P SERIES

DRIVE SHAFT

CODE - T

CODE - P

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
3P SERIES

DRIVE SHAFT

CODE - S

CODE - J

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.

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DRIVE SHAFT

CODE - B

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

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
**3P SERIES**

**MOUNTING FLANGE**

**CODE - D**

All dimensions are in mm unless specified.

**CODE - S**

All dimensions are in mm unless specified.
3P SERIES

MOUNTING FLANGE

4-Bolt SAE C Mounting Flange CODE - C

4-Bolt SAE-B Mounting Flange CODE - B

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
MOUNTING FLANGE

4-Bolt SAE C Mounting Flange with Bearing support CODE - 3
Available with shaft code P and S only

4-Bolt SAE B Mounting Flange with Bearing support CODE - 2
Available with shaft code P and S only

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
3P SERIES

BODY PORTS

CODE - S

ALL TYPES

PUMP TYPES 3P3330 & 3380

PUMP TYPES 3P3150 TO 3300

INLET

OUTLET

CODE - S

PUMP TYPE 3P 3500

(ONLY ABOVE CONFIGURATION AVAILABLE)

WITH SUCTION ADAPTOR

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
3P SERIES

BODY PORT

CODE - F

ALL TYPES

PUMP TYPES 3P3150 TO 3300

PUMP TYPES 3P3330 & 3380

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
3P SERIES

COVER

Ø180.9

141.0

21.1

33.5

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED.
QUESTIONNAIRE – SINGLE PUMPS

1. Customer

2. Pump Model

3. Flow / displacement

4. Application

5. Rated rpm Minimum Maximum

6. Working Pressure Minimum Maximum

7. Working Pressure (Peak)

8. Oil Used

9. Viscosity

10. Reservoir Capacity

11. Oil Temperature

12. Filtration (Suction/any other)

13. Suction Head (vacuum)

14. Cavitation (if any)

15. Direction of Rotation

16. Type of Shaft

17. Length of Shaft from flange face

18. Drive Mechanism

19. Power takeoff from Gearbox/ Crankshaft/camshaft/driveshaft/Universal joint

20. Whether bearing support required

21. Mounting Flange details

22. Suction Port details

23. Delivery port details

24. Type of piping

25. Space restrictions (if any)

27. Remarks / Suggestions