RADIAL PISTON PUMPS  MODEL : 1RP3

Description
Radial piston arrangement with 3 pumping elements.
Oil immersed, open execution.
Face mounting.
Valve controlled.
Fixed delivery.
Bi-directional rotation of shaft.

Unit Dimensions

Dimensions in mm.

Minimum oil level

M8x1.25 tap, 12 deep, on 80 p.c.d. 4 nos.

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RADIAL PISTON PUMPS    MODEL : 1RP3

Technical Specifications

Designation ................................................................................. 1RP, basic radial piston pump group
Design ............................................................................... Radial piston, valve controlled
No.of Pistons ..................................................................... 3
Mounting ............................................................................. Face mounting. (Factory standard)
Direction of rotation ........................................... Can be run in either directions
Connection ..................................................... Suction ... Sucks oil directly from tank,
                                     No suction port is provided
Delivery ...................................................... G 1/4 Female
Speed range .......................................................... 300 to 2000 rpm
Hydraulic medium .................................................. Mineral oil
Viscosity range ................................................... 16 to 32 cSt
Temperature range ........................................................... -10 to +80 degree celcius
                                     (Do not exceed viscosity limits at extreme
temperatures for efficient running of pump)
Fluid cleanliness requirement ................................................ As per ISO code 16/13
Performance .............................................................. Refer Table no.1

Table No.1

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Geometrical Displacement</th>
<th>Rated Output @ 1450 rpm</th>
<th>Operating pressure bar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CC / REV</td>
<td>550</td>
<td>50 bar</td>
</tr>
<tr>
<td>3A</td>
<td>1.21</td>
<td>1.5</td>
<td>0.17</td>
</tr>
<tr>
<td>3B</td>
<td>1.88</td>
<td>2.5</td>
<td>0.27</td>
</tr>
<tr>
<td>3C</td>
<td>2.71</td>
<td>3.7</td>
<td>0.38</td>
</tr>
<tr>
<td>3D</td>
<td>3.19</td>
<td>4.3</td>
<td>0.45</td>
</tr>
<tr>
<td>3E</td>
<td>3.69</td>
<td>5</td>
<td>0.5</td>
</tr>
<tr>
<td>3F</td>
<td>4.24</td>
<td>5.8</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Note:- The first digit in the code No. indicates No. of pumping elements in the pump. The second letter indicates flow and pressure rating of pumping elements.

Code No. 3C for example indicates a pump with 3 elements having rated flow of 3.7 l/min and operating pressure up to 350 bar.
Ordering code

Radial piston pump
Open execution, Oil immersed

Flow & pressure rating
Ref code No. in table No.1 3A through 3F

Design code subject to change. Installation dimensions remain same for design code 11 thru 19

1RP 3D 11