Industrial Hydraulic Pumps

T6EC

Denison Vane Technology, fixed displacement

Hydraulic Pumps
Hydraulic Motors
Hydraulic Valves
Hydraulic Cylinders
Hydraulic Filtration
Hydraulic Accumulators

We are doing our parts to keep you moving!
DTA your 1 Stop Shop for Hydraulics, Pneumatics and Power Transmissions.
DECLARATION OF CONFORMITY

DTA Hydraulics is a tradename of Damen Technical Agencies BV, supplying hydraulic parts to various industries since 1990. As a Certified Distributor Hydraulics by Parker Hannifin and Authorized Denison Vane Pump Assembler, we guarantee the use of original parts and components. As such we provide you with vane pumps of the same level of quality and warranty conditions as the factory does.

We highly recommend to use genuine Denison Hydraulics spare parts only in order to ensure smooth operation and longer service life. Spare parts that we have on stock include pump cartridge kits, shaft and bearing assemblies, seal kits and non-wearing parts of both the T6 and T7 series vane pumps.

ALL VANE PUMPS SUPPLIED OR REPAIRED BY DTA HYDRAULICS HAVE BEEN ASSEMBLED ACCORDING TO THE LATEST FACTORY SPECIFICATIONS WITH BRAND NEW AND GENUINE DENISON HYDRAULICS PARTS

We are able to provide you a large variety of options of the original Parker Denison single, double, and triple vane pumps. We can build any customized vane pump from our stock of genuine parts. You can now easily configure that vane pump yourself with the Denison Hydraulics Vane Pump Configurator.

vanepump.eu/vanepumps

Use advanced search to filter results based on configurable options and select any of the 25,000 vane pumps that are listed in our online catalogue. Most of the models are available from stock and ready for shipment to any place in the world instantly. We can supply Any part, Anytime, Anywhere!
Model No.  
Series  
Cam ring for "P1"  
(Delivery at 0 bar & 1500 r.p.m.)  
042 = 198,5 l/min  
045 = 213,6 l/min  
050 = 237,7 l/min  
052 = 247,2 l/min  
Cam ring for "P2"  
(Delivery at 0 bar & 1500 r.p.m.)  
003 = 16,2 l/min  
005 = 25,8 l/min  
006 = 31,9 l/min  
008 = 39,6 l/min  
010 = 51,1 l/min  
012 = 55,6 l/min  
014 = 69,0 l/min  
Seal class  
1 = S1 (for mineral oil)  
4 = S4 (for resistant fluids)  
5 = S5 (for mineral oil and fire resistant fluids)  
Design letter  
Porting combination (see page 30)  
00 = standard  
Direct. of rotation (view on shaft end)  
R = clockwise  
L = counter-clockwise  
Type of shaft  
1 = keyed (SAE CC)  
2 = keyed (no SAE)  
3 = splined (SAE C)  
4 = splined (SAE CC)  

Do not operate the pump more than 5 seconds at any speed or viscosity, if internal leakage is more than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

Double pump noise level is given with each section discharging at the pressure noted on the curve.

Total hydrodynamic power loss is the sum of each section at its operating conditions.

Maximum permissible axial load $F_a = 2000 N$
DIMENSIONS & OPERATING CHARACTERISTICS - Weight: 55,0 kg - T6EC SERIES INDUSTRIAL APPLICATION

**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

<table>
<thead>
<tr>
<th>Pressure port</th>
<th>Series</th>
<th>Volumetric Displacement $V_i$</th>
<th>Flow $q_{ve}$ [l/min] &amp; $n = 1500$ RPM</th>
<th>Input power $P$ [kW] &amp; $n = 1500$ RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$p = 0$ bar</td>
<td>$p = 140$ bar</td>
<td>$p = 240$ bar</td>
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<tr>
<td><strong>P1</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>042</td>
<td></td>
<td>132,3 ml/rev</td>
<td>198,5</td>
<td>188,5</td>
</tr>
<tr>
<td>045</td>
<td></td>
<td>142,4 ml/rev</td>
<td>213,6</td>
<td>203,6</td>
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<tr>
<td>050</td>
<td></td>
<td>158,5 ml/rev</td>
<td>237,7</td>
<td>227,7</td>
</tr>
<tr>
<td>052</td>
<td></td>
<td>164,8 ml/rev</td>
<td>247,2</td>
<td>237,2</td>
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<tr>
<td>062</td>
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<td>196,7 ml/rev</td>
<td>295,0</td>
<td>285,0</td>
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<tr>
<td>066</td>
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<td>213,3 ml/rev</td>
<td>319,9</td>
<td>309,9</td>
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<tr>
<td>072</td>
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<td>227,1 ml/rev</td>
<td>340,6</td>
<td>330,6</td>
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<tr>
<td><strong>P2</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003</td>
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<td>10,8 ml/rev</td>
<td>16,2</td>
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<tr>
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<td>17,2 ml/rev</td>
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<td>26,4 ml/rev</td>
<td>39,6</td>
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<td>34,1 ml/rev</td>
<td>51,1</td>
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<tr>
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<td>37,1 ml/rev</td>
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<tr>
<td>014</td>
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<td>46,0 ml/rev</td>
<td>69,0</td>
<td>64,0</td>
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<td>017</td>
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<td>58,3 ml/rev</td>
<td>87,4</td>
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<td>020</td>
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<td>63,8 ml/rev</td>
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<td>022</td>
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<td>70,3 ml/rev</td>
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<td>100,4</td>
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<tr>
<td>025</td>
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<td>79,3 ml/rev</td>
<td>118,9</td>
<td>113,9</td>
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<tr>
<td>028</td>
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<td>88,8 ml/rev</td>
<td>133,2</td>
<td>128,2</td>
</tr>
<tr>
<td>031</td>
<td></td>
<td>100,0 ml/rev</td>
<td>150,0</td>
<td>145,0</td>
</tr>
</tbody>
</table>

1) $028 - 031 = 210$ bar max. int. Port connection can be furnished with metric threads.
ANY PART
ANY TIME
ANY WHERE

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