Industrial Hydraulic Pumps
T6ER, T6ERY
Denison Vane Technology, fixed displacement
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.

Certificate

This is to certify that company:

Damen Technical Agencies BV
Prins Willemstraat 10
NL 4791 JR Klundert - The Netherlands

Has been qualified as:
“Authorized Denison Vane Pumps Assembler”

Initial certification date: 07/2015
This renewal is valid until: 12/2017

Parker Hannifin Manufacturing France SAS
Hydraulics Europe
Vane Pump Distributors Services
14 Route de Villers (85500)
La Roche-sur-Yon - France
Tel: +33 2 48 50 01 34

Robert Van Den Bergh
Sales & Product Support Manager

ENGINEERING YOUR SUCCESS.

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. | T6ER (Y) - 066 - 1 R 00 - A 10 - A 1...
--- | ---
Series | Y = Port flanges with metric threads
Cam ring | (Delivery at 0 bar & 1500 r.p.m.)
042 = 198,5 l/min 062 = 295,0 l/min
045 = 213,6 l/min 066 = 319,9 l/min
050 = 237,7 l/min 072 = 340,6 l/min
052 = 247,2 l/min
Type of shaft | 1 = keyed (SAE C)
3 = splined (SAE C)
4 = splined (SAE C)
Direct. of rotation (view on shaft end) | R = clockwise
L = counter-clockwise
Porting combination | 00 = standard

Modification
Seal class
1 = S1 (for mineral oil)
4 = S4 (for the resistant fluids)
5 = S5 (for mineral oil and fire resistant fluids)
Design letter
Porting adaptor
Coupling
1 = SAE A
2 = SAE B
3 = SAE BB
16/32 - 11 teeth
Adaptor
0 = None
B = SAE B
A = SAE A
C = SAE C

INTERNAL LEAKAGE (TYPICAL)

NOISE LEVEL (TYPICAL) - T6ER - 050

POWER LOSS HYDROMECHANICAL (TYPICAL)

PERMISSIBLE RADIAL LOAD

Maximum permissible axial load Fa = 2000 N
**Hydraulic Pumps, Fixed**

**Series T6ER, Denison Industrial Vane Pumps**

**Dimensions & Operating characteristics**

### Dimensions & Operating characteristics

#### Hydraulic Pumps, Fixed

- **Series T6ER, Denison Industrial Vane Pumps**

#### Weight

- **Weight:** 42.5 kg

### Adaptors & Coupling Drives

<table>
<thead>
<tr>
<th>Adaptor</th>
<th>SAE A</th>
<th>SAE B</th>
<th>SAE C</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>M10</td>
<td>M12</td>
<td>M16</td>
</tr>
<tr>
<td>D2</td>
<td>24</td>
<td>28</td>
<td>-</td>
</tr>
<tr>
<td>P</td>
<td>106,4</td>
<td>146,0</td>
<td>181,0</td>
</tr>
<tr>
<td>L1</td>
<td>11,0</td>
<td>16,0</td>
<td>16,0</td>
</tr>
<tr>
<td>L2</td>
<td>8,0</td>
<td>8,0</td>
<td>8,0</td>
</tr>
<tr>
<td>L3</td>
<td>32,0</td>
<td>46,0</td>
<td>56,0</td>
</tr>
<tr>
<td>L4</td>
<td>272,0</td>
<td>286,0</td>
<td>296,0</td>
</tr>
</tbody>
</table>

#### Shaft Torque Limits [ml/rev x bar]

<table>
<thead>
<tr>
<th>Shaft</th>
<th>Vi x p max.</th>
<th>Coupling drive</th>
<th>Vi x p max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>80560</td>
<td>SAE A</td>
<td>11000</td>
</tr>
<tr>
<td>2</td>
<td>61200</td>
<td>SAE B</td>
<td>20600</td>
</tr>
<tr>
<td>4</td>
<td>120210</td>
<td>SAE BB</td>
<td>32670</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SAE C</td>
<td>66480</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SAE - 11 teeth</td>
<td>15850</td>
</tr>
</tbody>
</table>

### Pressure Torque & Suction Ports

- **MOUNTING TORQUE:** 187 Nm
- **SUCTION ø 75**
- **PRESSURE ø 37,1**

### Operating Characteristics - Typical [24 cSt]

<table>
<thead>
<tr>
<th>Series</th>
<th>Volumetric Displacement Vi</th>
<th>Flow Q [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>
</tr>
<tr>
<td>042</td>
<td>132,3 ml/rev</td>
<td>198,5</td>
<td>188,5</td>
</tr>
<tr>
<td>045</td>
<td>142,4 ml/rev</td>
<td>213,6</td>
<td>203,6</td>
</tr>
<tr>
<td>050</td>
<td>158,5 ml/rev</td>
<td>237,7</td>
<td>227,7</td>
</tr>
<tr>
<td>052</td>
<td>164,8 ml/rev</td>
<td>247,2</td>
<td>237,2</td>
</tr>
<tr>
<td>062</td>
<td>196,7 ml/rev</td>
<td>295,0</td>
<td>285,0</td>
</tr>
<tr>
<td>066</td>
<td>213,3 ml/rev</td>
<td>319,9</td>
<td>309,9</td>
</tr>
<tr>
<td>072</td>
<td>227,1 ml/rev</td>
<td>340,6</td>
<td>330,6</td>
</tr>
</tbody>
</table>

- Port connection can be furnished with metric threads.

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Parker Hannifin Manufacturing France SAS
VPDE, Denison Vane Pumps
Vierzon - France
OVER 25 YEARS
we are doing our parts to keep you moving!

DTA your ONE Stop Shop
for Hydraulics, Pneumatics and Power Transmissions