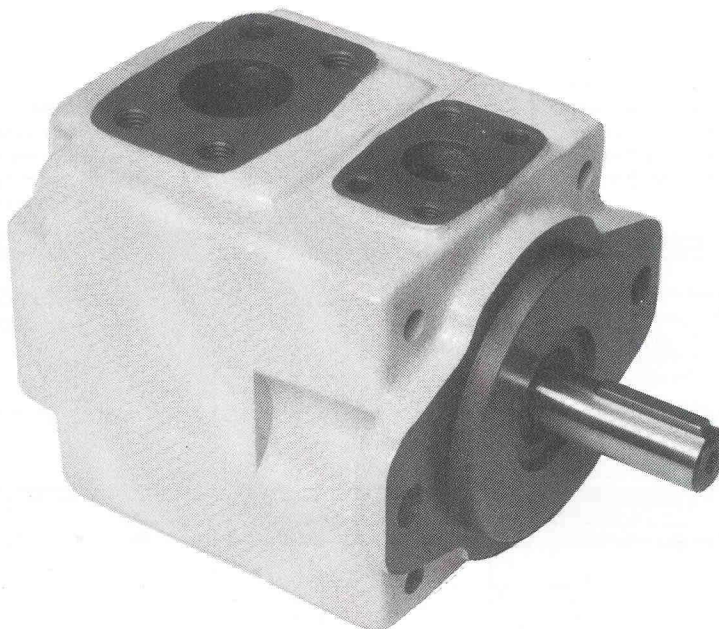


## New Vane Single Pump

Series T6CSH



T6CSH

### Description

This new pump has a very thick body to increase mass and stiffness. It offers the same mounting and piping dimensions as the present T6C pump.

### Features

- **Great flow** range from 10 cm<sup>3</sup>/rev. up to 100 cm<sup>3</sup>/rev. in 13 different displacement cartridges.

- **High pressure** :  
Pressure rating to 275 bar reduces size and cost of actuator (028 and 031 = 210 bar max).

- **Higher efficiency** :  
Better efficiency under load increases productivity, reduces heating and increases machine efficiency.

- **Low noise level** :  
The increase of pump mass contributes to lower power unit noise level as well as lower pump airborne noise.

### - Cartridge design :

Provides for drop-in assemblies. It permits easy conversion and renewal of serviceable elements.

### - Mounting flexibility

Fully SAE/ISO compatibility.  
Four positions of inlet and outlet ports. This reduces mounting cost and improves performances.

### - Wide range of acceptable fluids :

This pump can operate with all the hydraulic fluids : mineral oils, biodegradable oils as well all the fire resistance fluids including phosphate esters and water base fluids.

## Ordering Code

Model No. **T6CSHW. - 022 - 1 R 00 - A 1 00**

Series  
SAE "B" 2-bolts J744c

Use for sever duty shaft only

one letter can be added to specify special parts in series.

Cam ring

(Delivery at 0 bar & 1500 r.p.m.)

003 = 16,2 l/min	017 = 87,4 l/min
005 = 25,8 l/min	020 = 95,7 l/min
006 = 31,9 l/min	022 = 105,4 l/min
008 = 39,6 l/min	025 = 118,9 l/min
010 = 51,1 l/min	028 = 133,2 l/min
012 = 55,6 l/min	031 = 150,0 l/min
014 = 69,0 l/min	

Type of shaft

- 1 = keyed (SAE-B)
- 3 = splined (SAE-B)
- 4 = splined (SAE-BB)
- Sever duty shaft T6CSHW
- 5 = keyed (SAE B-B)

Direct. of rotation (view on shaft end)

- R = clockwise
- L = counter-clockwise

Modification

Mounting w/connection variable

00 = 4-bolts SAE flanges  
(J518c) UNC thread

P1 = 1" SAE size

S = 1"1/2 SAE size

M0 = 4-bolts SAE flanges  
(J518c) metric thread

P1 = 1" SAE size

S = 1"1/2 SAE size

Seal class

1 = S1 (for mineral oil)

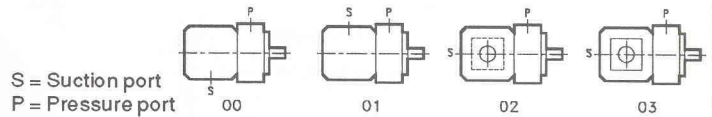
4 = S4 (for the resistant fluids)

5 = S5 (for mineral oil and fire resistant fluids)

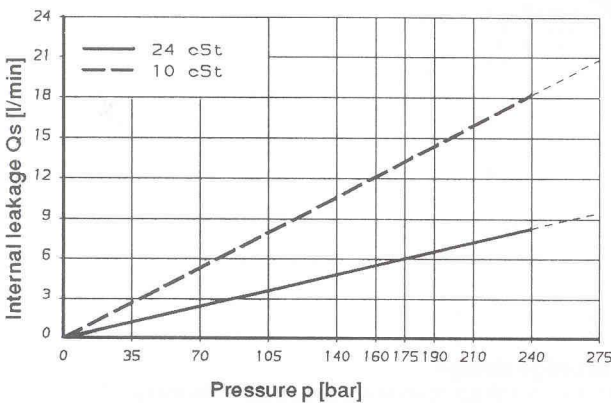
Design letter

Porting combination

00 = Standard

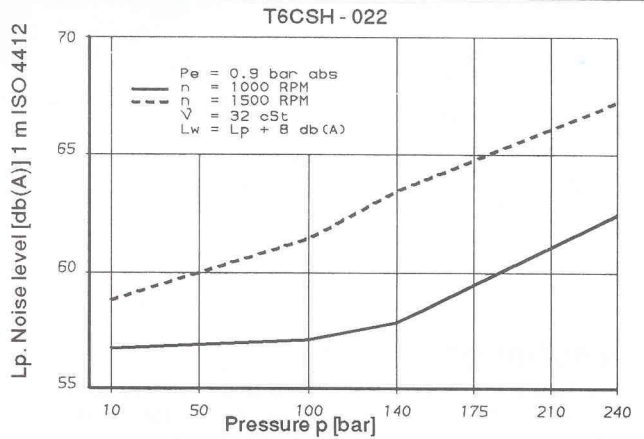


### Internal leakage

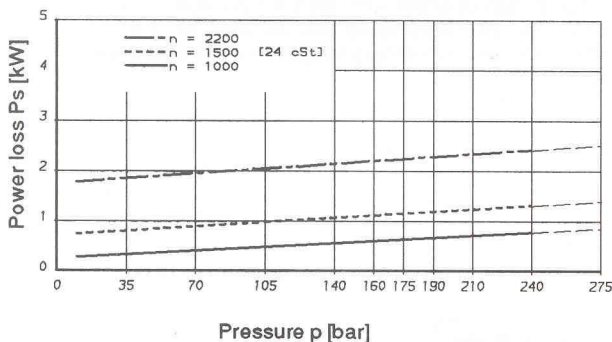


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50% of theoretical flow.

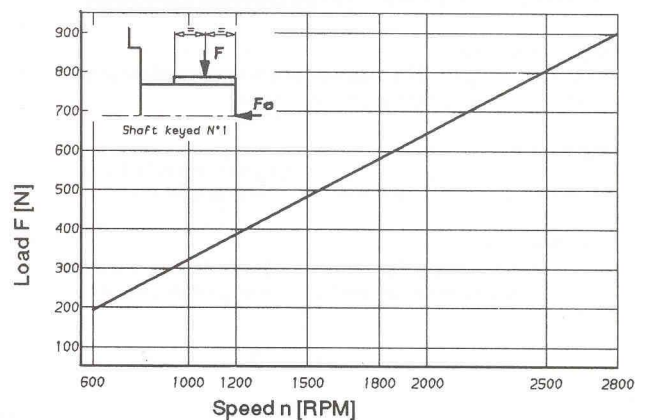
### Noise level



### Power loss hydromechanics



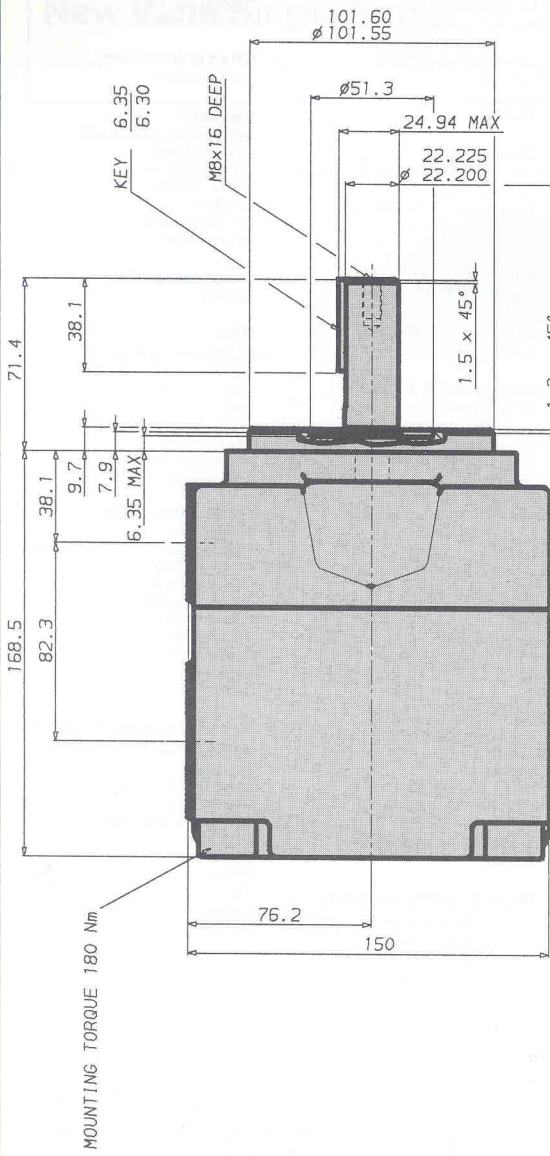
### Permissible radial load



Maximum axial load permissible Fa = 800 N

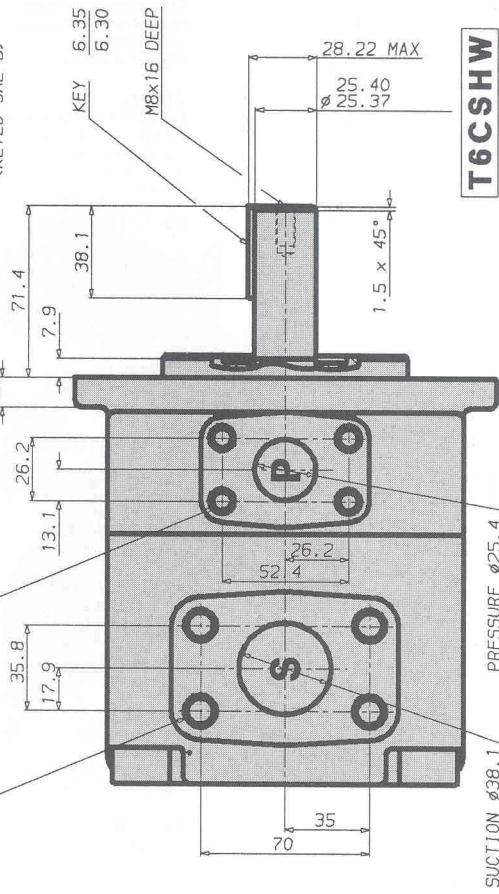


Dimensions



**Shaft Code 1**  
(KEYED SAE B)

1/2 13UNC x 22.4 DEEP  
\*M12 x 22.4 DEEP



**T6CSHW**

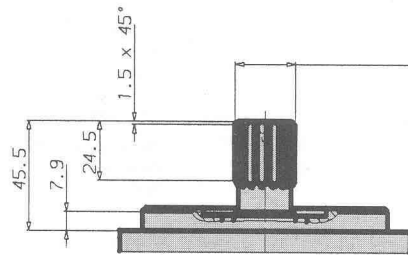
**Shaft Code 5**  
(KEYED SAE BB)

Shaft	Vp x p max
1	16500
3	20600
5	21420

Shaft torque Limits [mL/revxbar]

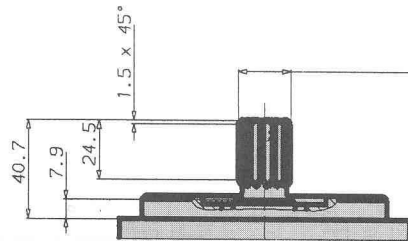
**Shaft Code 4**

SAE B-B spline shaft  
Class 1-J498 b  
16/32 d.p. -15 teeth  
30° pressure angle  
flat root side fit



**Shaft Code 3**

SAE B spline shaft  
Class 1-J498 b  
16/32 d.p. -13 teeth  
30° pressure angle  
flat root side fit



\* Metric thread