Bezares Group

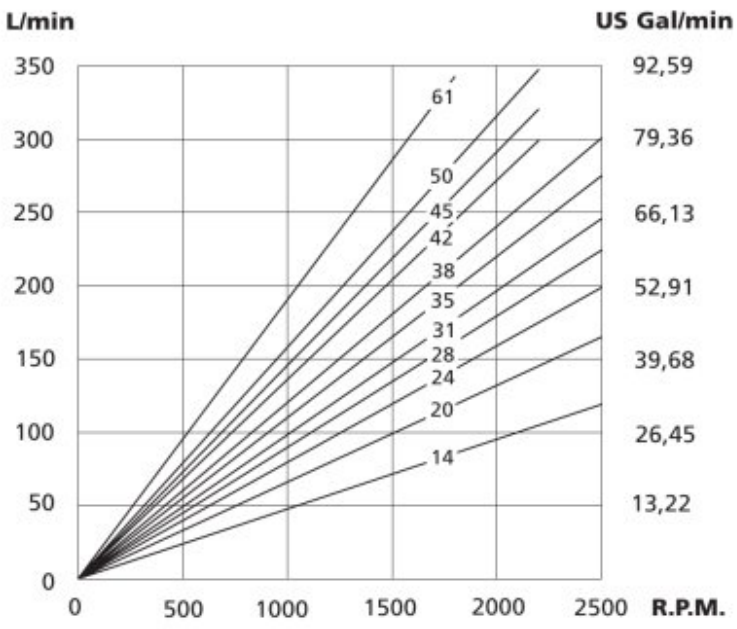
DT6/7 SINGLE VANE PUMPS

DATA SHEET

DT6D OPERATING CHARACTERISTICS

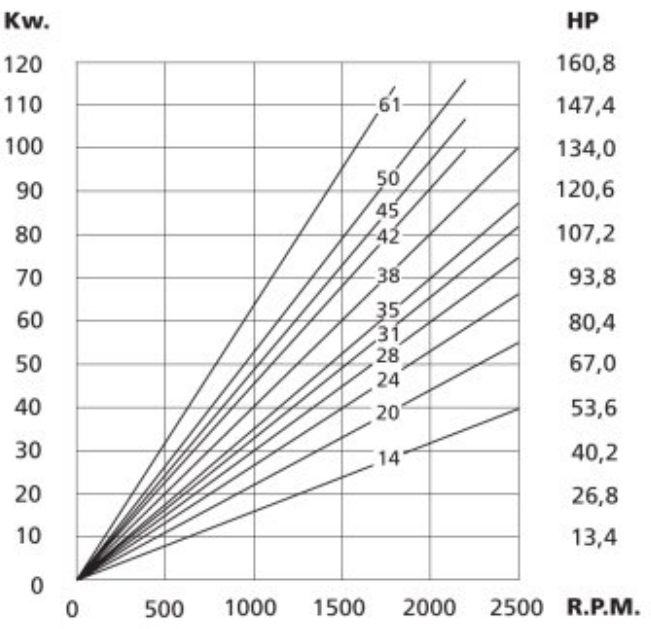
FLOW													SPEED (rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000	**rpm**	48	66	80	90	98	111	120	136	146	158	191	Mín.	Máx.	Intermit.	Contin.	**(Kgs.)**
Gal/min.at 1200	**rpm**	14	20	24	28	31	35	38	42	45	50	61	500	2500*	240	210	24

* See page 41 for further information about speed & pressure.



Theoretical Flow (0 Bar)

To calculate the real flow at a given operating pressure, substract the internal leakage value for this pressure (see diagram below) from the theoretical flow. (See diagram above).



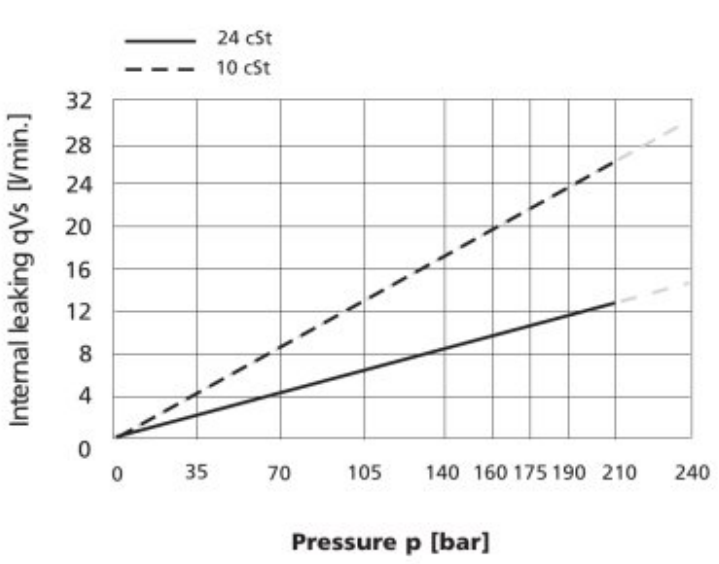
Theoretical Input Power at 200 Bar

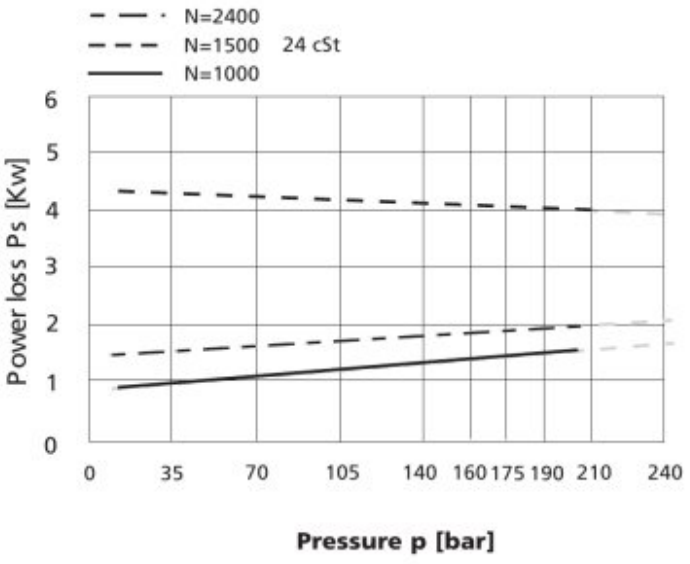
To calculate the theoretical input power at other pressures and speeds, use the formula:

$$P(Kw)\ \frac{Q(L/min.)\times P(Bar)}{600}$$

Where Q is the theoretical flow (upper left diagram) and P the operating pressure.

To calculate the real input power, add to the theoretical power the hydromechanical power losses (see diagram below).





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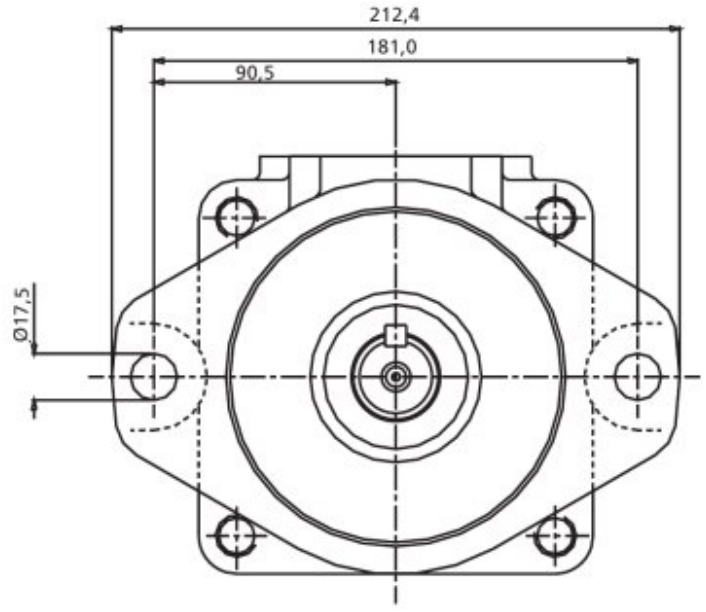
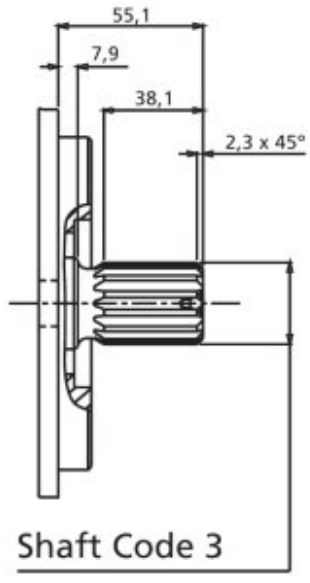
DT6/7 SINGLE VANE PUMPS

DIMENSIONS - SINGLE VANE PUMPS DT6D

DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**

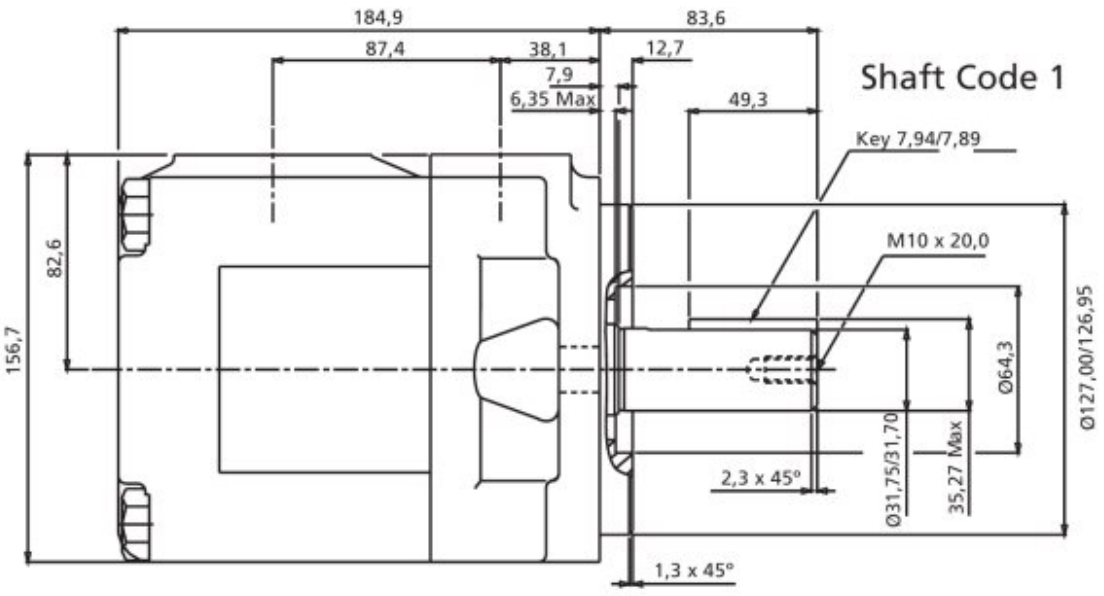
DATA SHEET



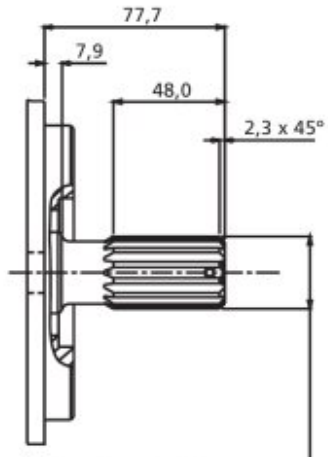


Shaft Code 3

SAE C Splined shaft 1-J498b
12/24 d.p. - 14 Teeth
30° Pressure angle

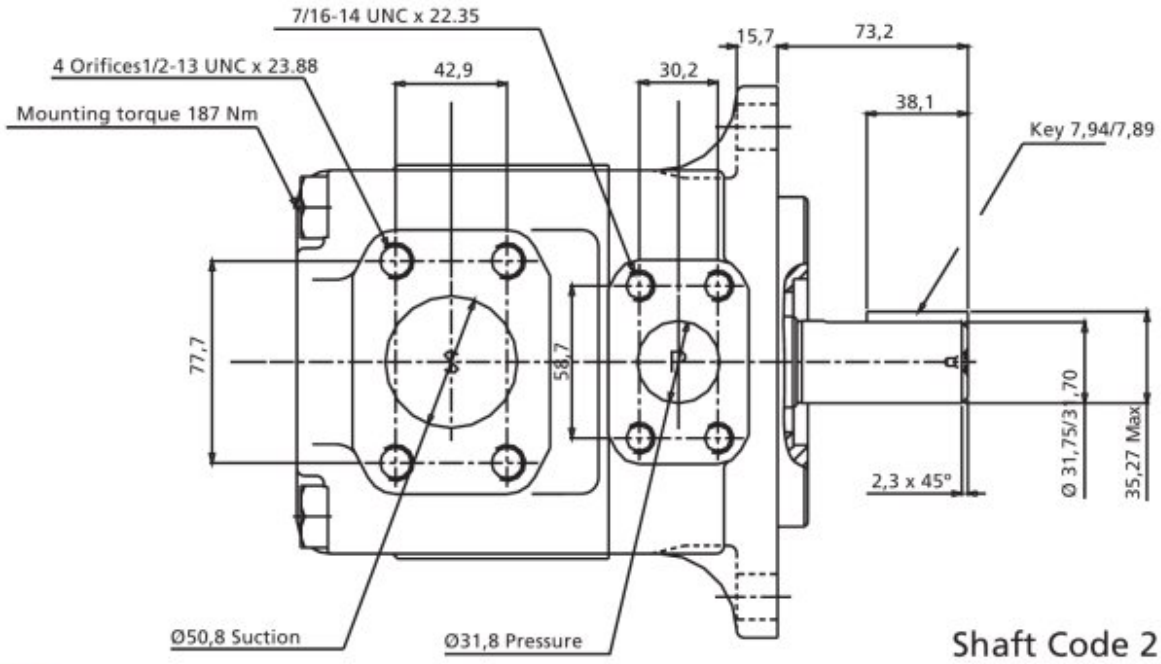


Shaft Code 1



Shaft Code 4

No SAE Splined shaft1-J498b
12/24 d.p. - 14 Teeth
30° Pressure angle



Shaft Code 2