Bezares Group

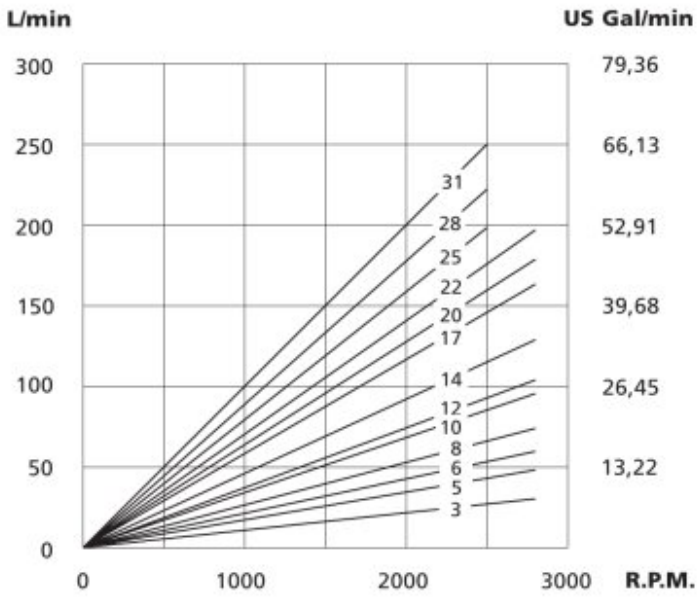
DT6/7 SINGLE VANE PUMPS

DATA SHEET

DT6C OPERATING CHARACTERISTICS

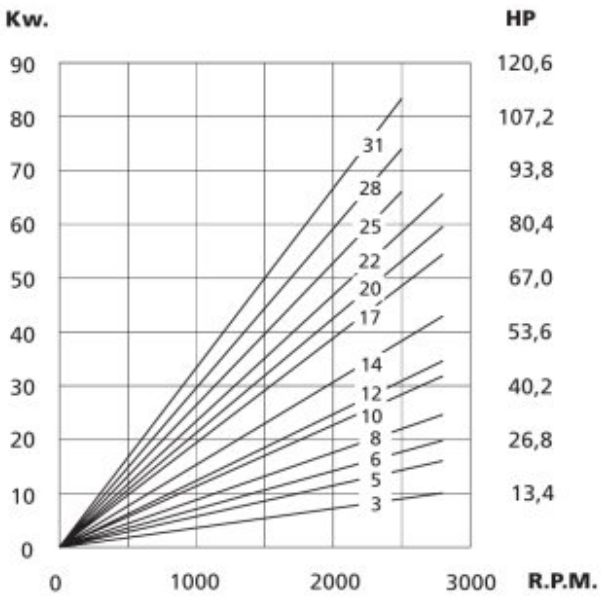
FLOW														SPEED (rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.	(Kgs.)
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*	15

* 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).



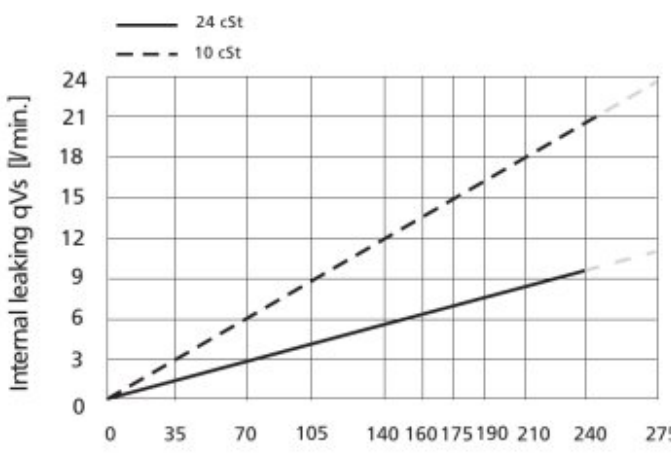
Theoretical Input Power at 200 Bar

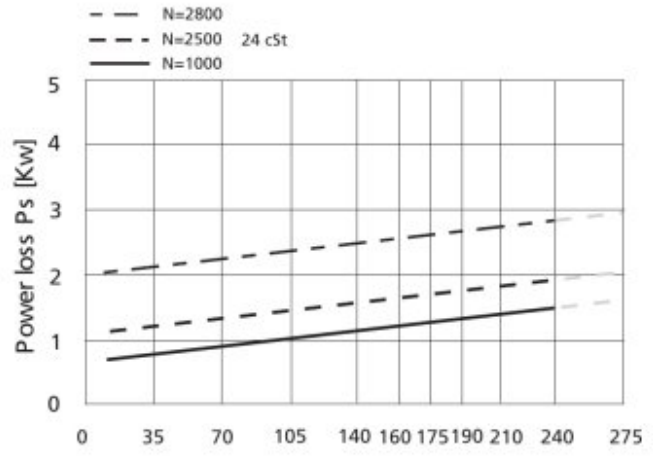
To calculate the theoretical input power at other pressures and speeds, use the formula:

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

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).





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

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DT6/7 SINGLE VANE PUMPS

DIMENSIONS - SINGLE VANE PUMPS DT6C

DATA SHEET

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