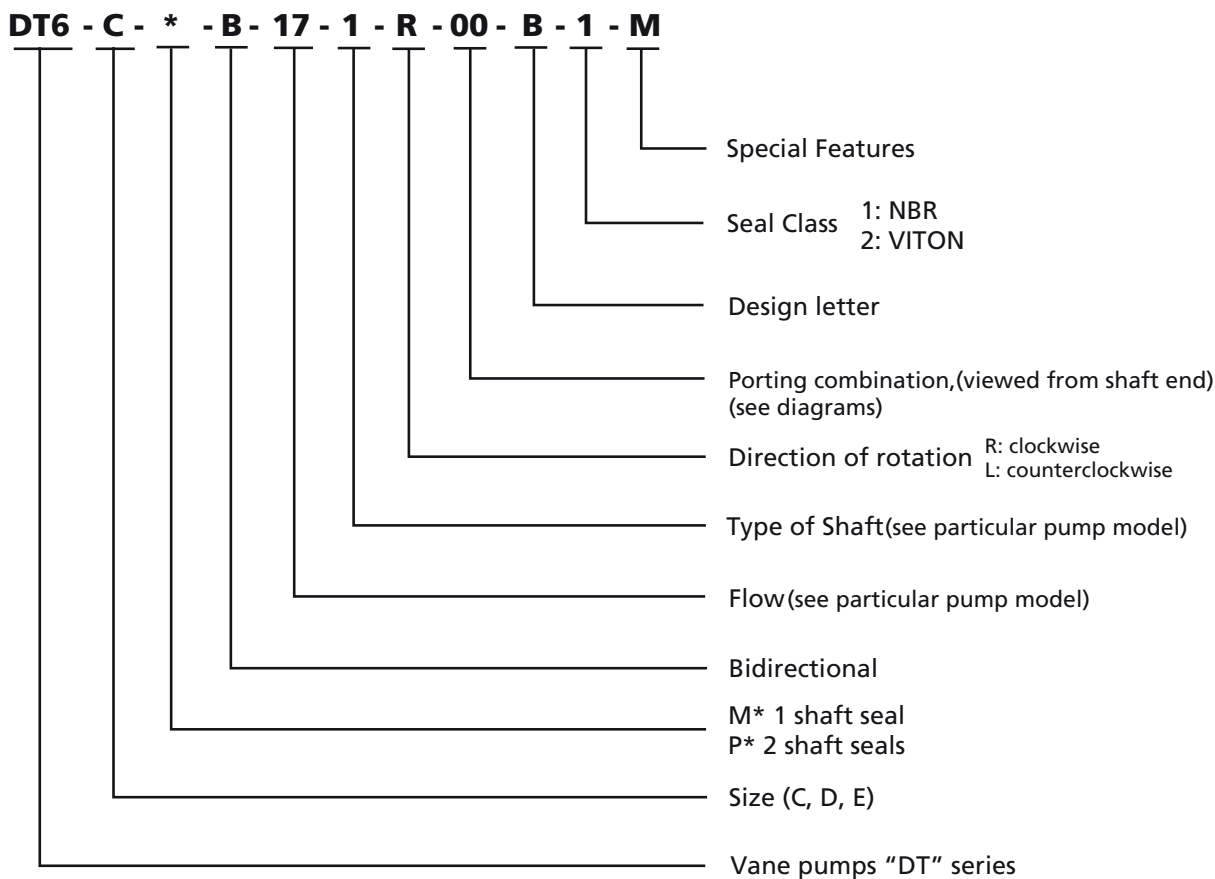


DT6 SINGLE VANE PUMPS ORDERING CODE

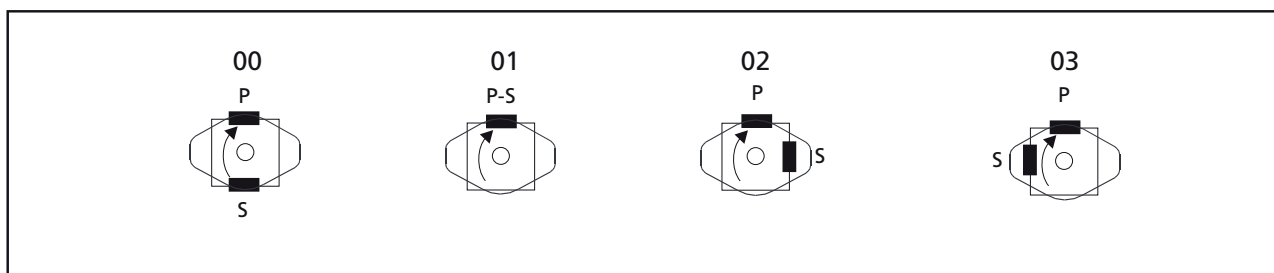
DATA SHEET



DT6 SINGLE VANE PUMPS - GENERAL CHARACTERISTICS

SINGLE PUMPS

Pump Model	Cartridge Model	Theoretical displacement cm ³ /rev	Maximum Pressure	Max.speed rpm	Min. speed rpm	Weight Kgs	Front flange Standard SAE j744c ISO 3019-4	SAE 4 holes flange	
								Suction	Pressure
DT6C	003	10.8	275	2800	500	15	SAE B	1 ½"	1"
	005	17.2							
	006	21.3							
	008	26.4							
	010	34.1							
	012	37.1							
	014	46.0							
	017	58.3							
	020	63.8							
	022	70.3							
	025	79.3							
		028	88.8	210	2500				
	031	100							
DT6CP Pump model only mount B14 to B31 cartridges									
DT6D	014	47.6	240	2500	500	24	SAE C	2"	1 1/4"
	020	66.0							
	024	79.5							
	028	89.7							
	031	98.3							
	035	111.0							
	038	120.3							
	042	136.0							
	045	145.7							
	050	158.0							
	061	190.5							
				210	2200				
			120	1800					
DT6E	042	132.3	240	2200	500	44	SAE C	3"	1 ½"
	045	142.4							
	050	158.5							
	052	164.8							
	062	196.7							
	066	213.3							
	072	227.1							
		085	269.8	90	2000				

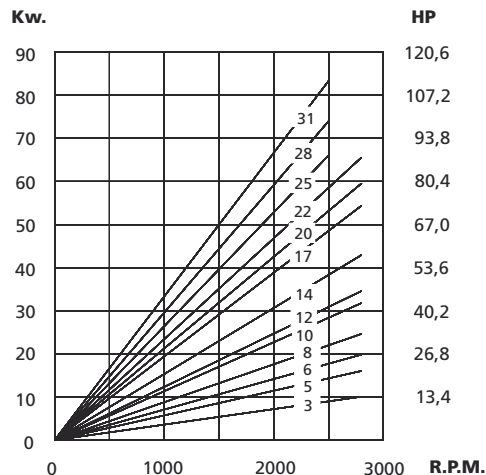
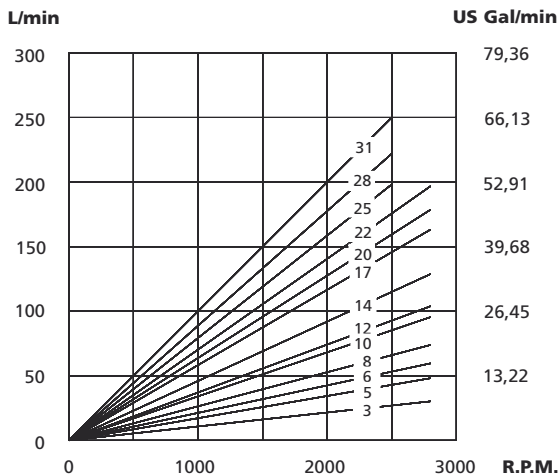


DT6C OPERATING CHARACTERISTICS

DATA SHEET

FLOW													SPEED (rpm)		PRESSURE (bar)		WEIGHT (Kgs.)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Min.	Máx.	Intermit.	Contin.	(Kgs.)
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	400	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, subtract the internal leakage value for this pressure (see diagram below) from the theoretical flow. (See diagram above).

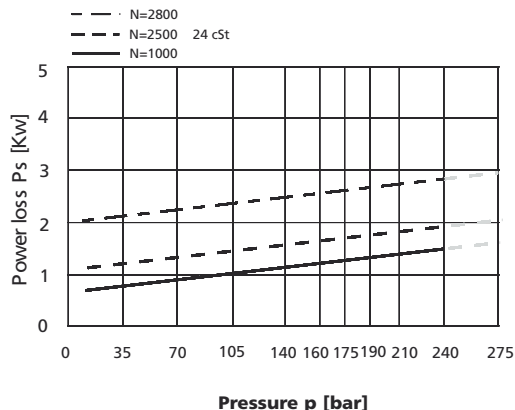
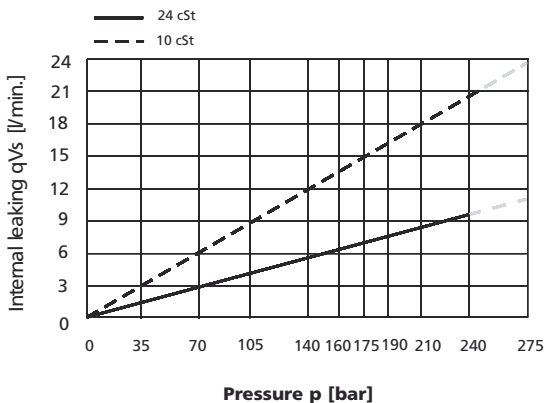
Theoretical Input Power at 200 Bar

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

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

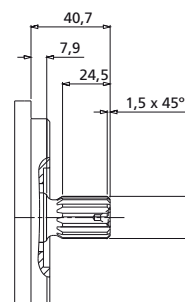
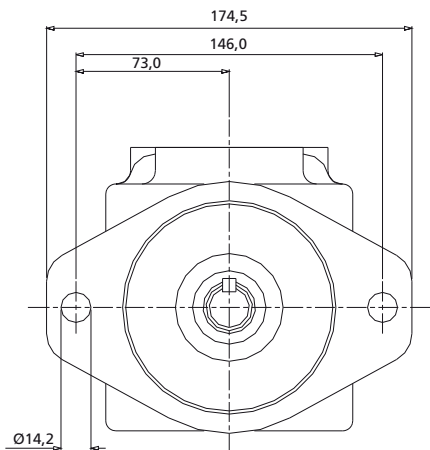
Where Q is the theoretical flow (upper left diagram) and P the operating pressure.

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

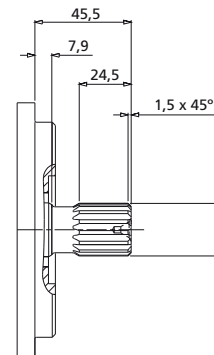


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow

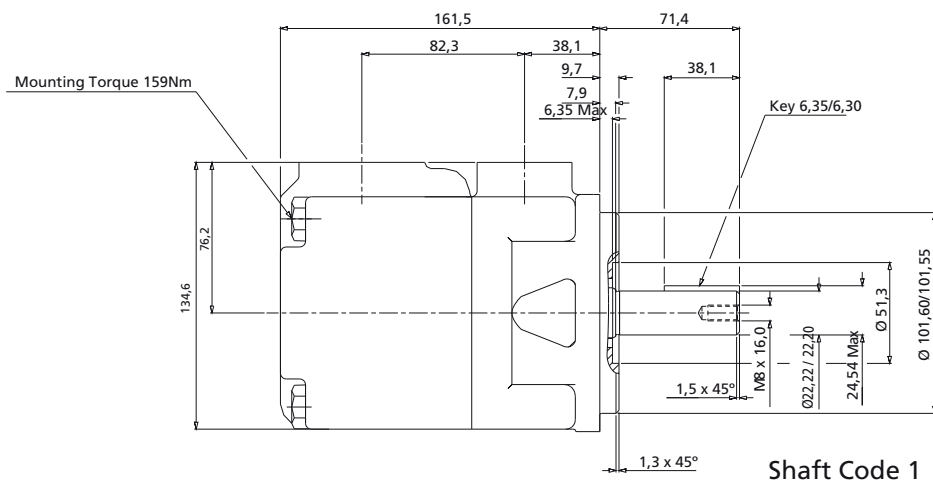
DIMENSIONS - SINGLE VANE PUMPS DT6C



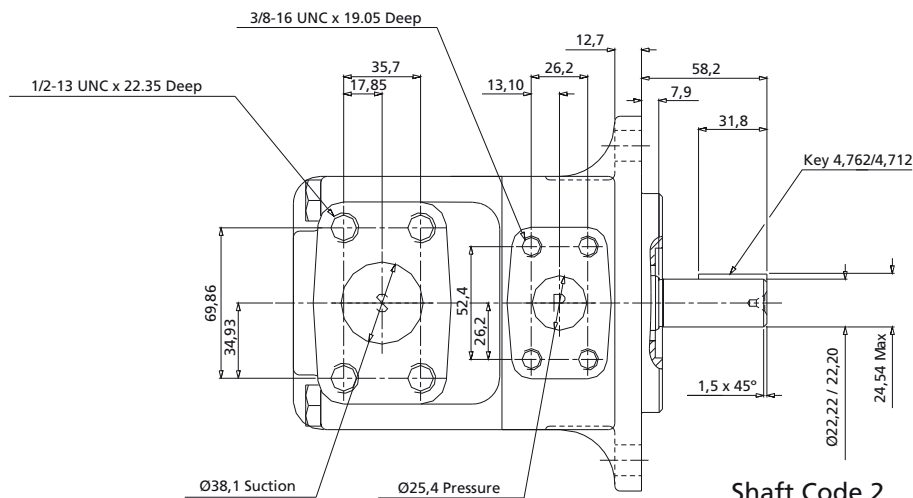
Shaft Code 3
SAE B Splined shaft 1-J498b
16/32 d.p. - 13 teeth
30° Pressure angle



Shaft Code 4
SAE BB Splined shaft1-J498b
16/32 d.p. - 15 teeth
30° Pressure angle



Shaft Code 1



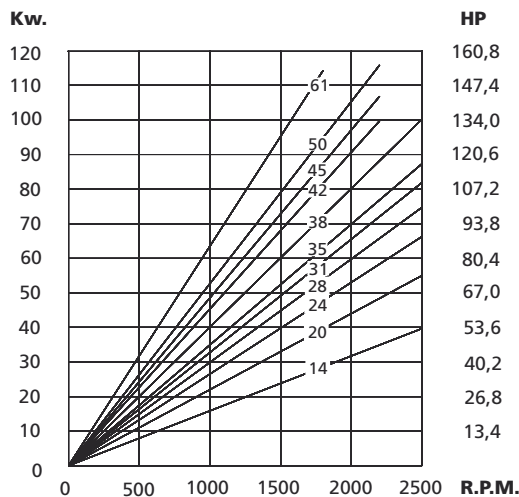
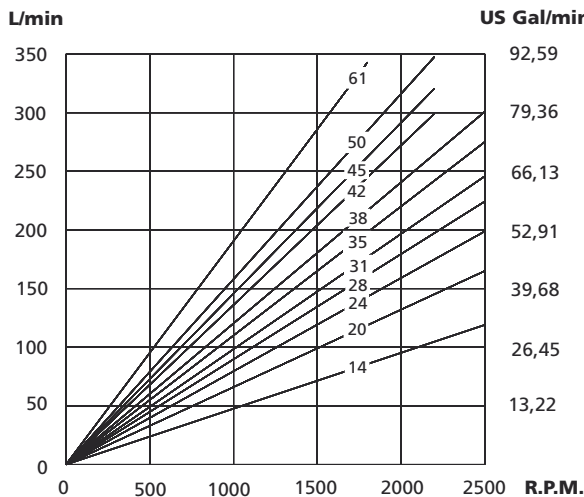
Shaft Code 2

DT6D OPERATING CHARACTERISTICS

DATA SHEET

FLOW											SPEED (rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm											Min.	Máx.	Intermit.	Contin.	(Kgs.)
48	66	80	90	98	111	120	136	146	158	191	400	2500*	240	210	24
Gal/min.at 1200 rpm															
14	20	24	28	31	35	38	42	45	50	61					

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



Theoretical Flow (0 Bar)

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

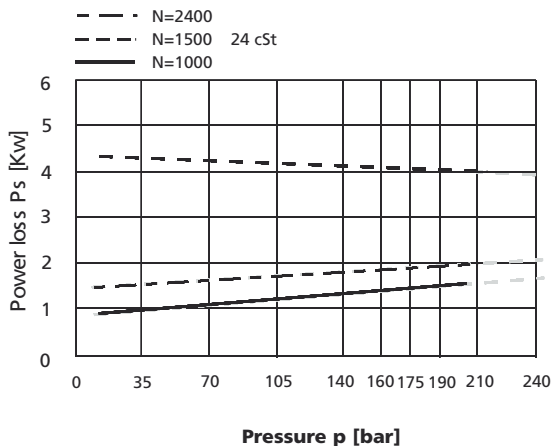
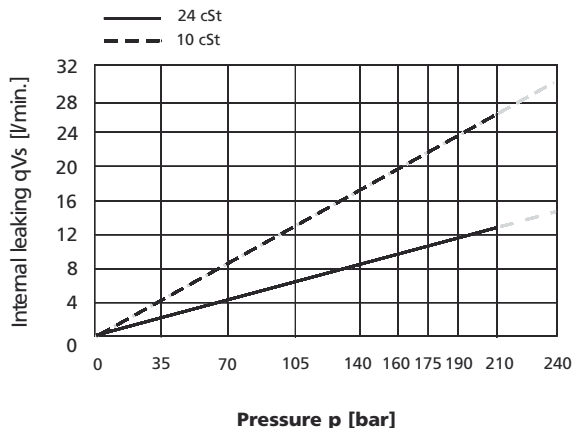
Theoretical Input Power at 200 Bar

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

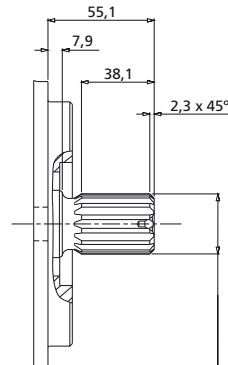
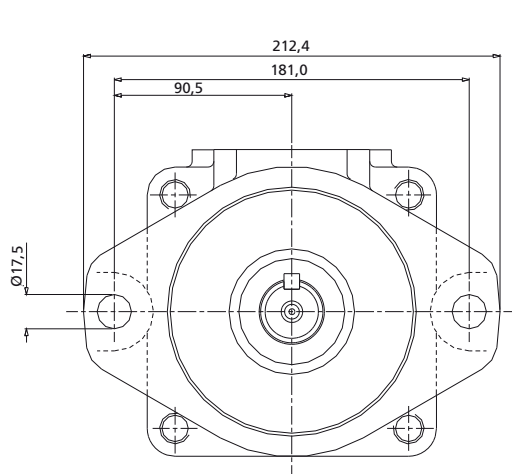
$$P(\text{Kw}) = \frac{Q(\text{L/min.}) \times P(\text{Bar})}{600}$$

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).

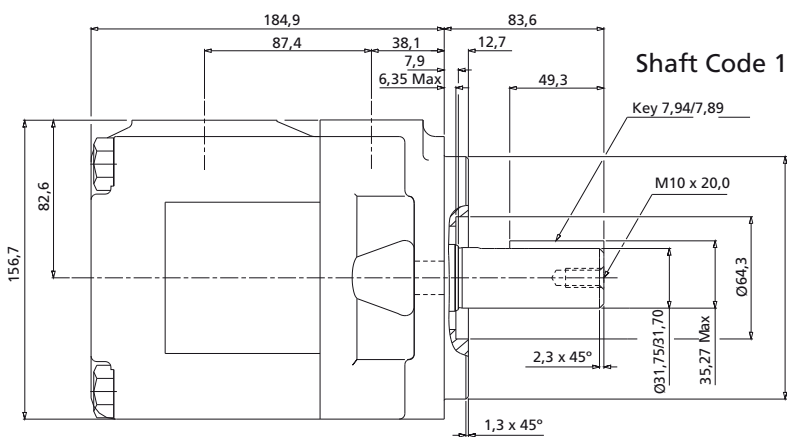


DIMENSIONS - SINGLE VANE PUMPS DT6D

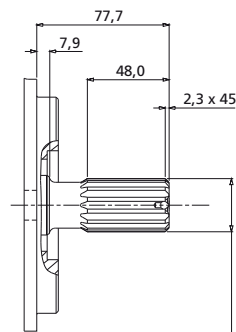


Shaft Code 3

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

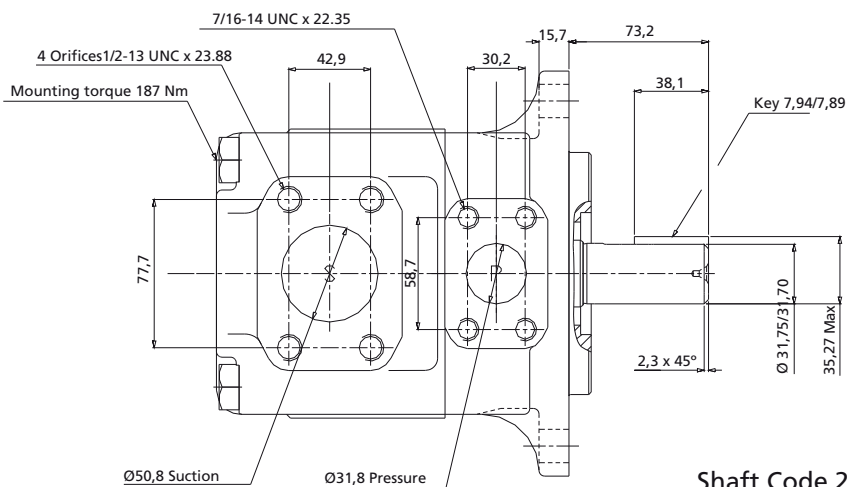


Shaft Code 1



Shaft Code 4

No SAE Splined shaft 1-J498b
12/24 d.p. - 14 Teeth
30° Pressure angle



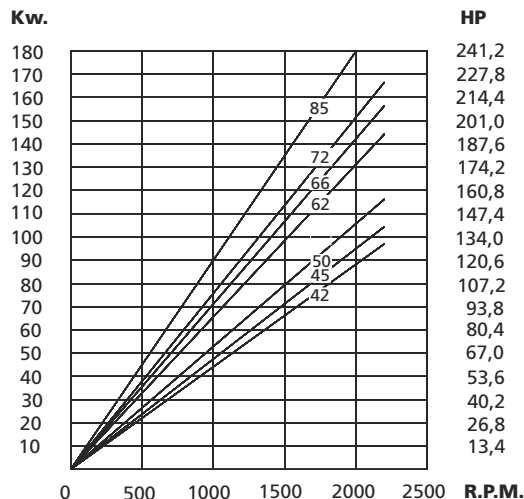
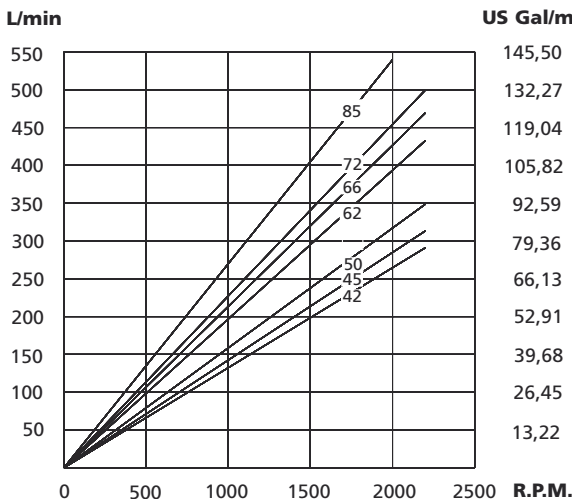
Shaft Code 2

DT6E OPERATING CHARACTERISTICS

DATA SHEET

	FLOW							SPEED (rpm)		PRESSURE (bar)		WEIGHT (Kgs.)
	Lts/min.at 1000 rpm	132	142	156	197	213	227	270	Mín.	Máx.	Intermit	
Gal/min.at 1200 rpm	42	45	50	62	66	72	85	400	2200*	240	210	44

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



Theoretical Flow (0 Bar)

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

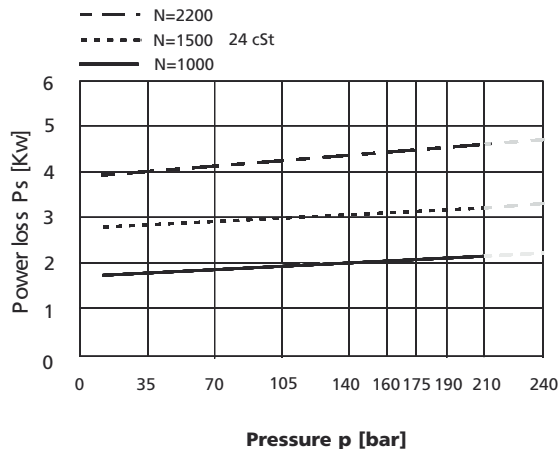
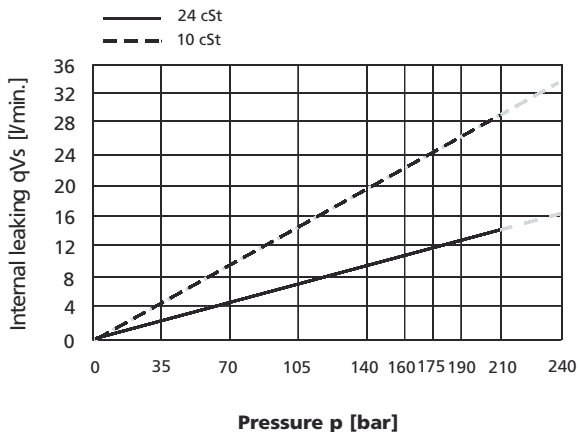
Theoretical Input Power at 200 Bar

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).



DIMENSIONS - SINGLE VANE PUMPS DT6E

