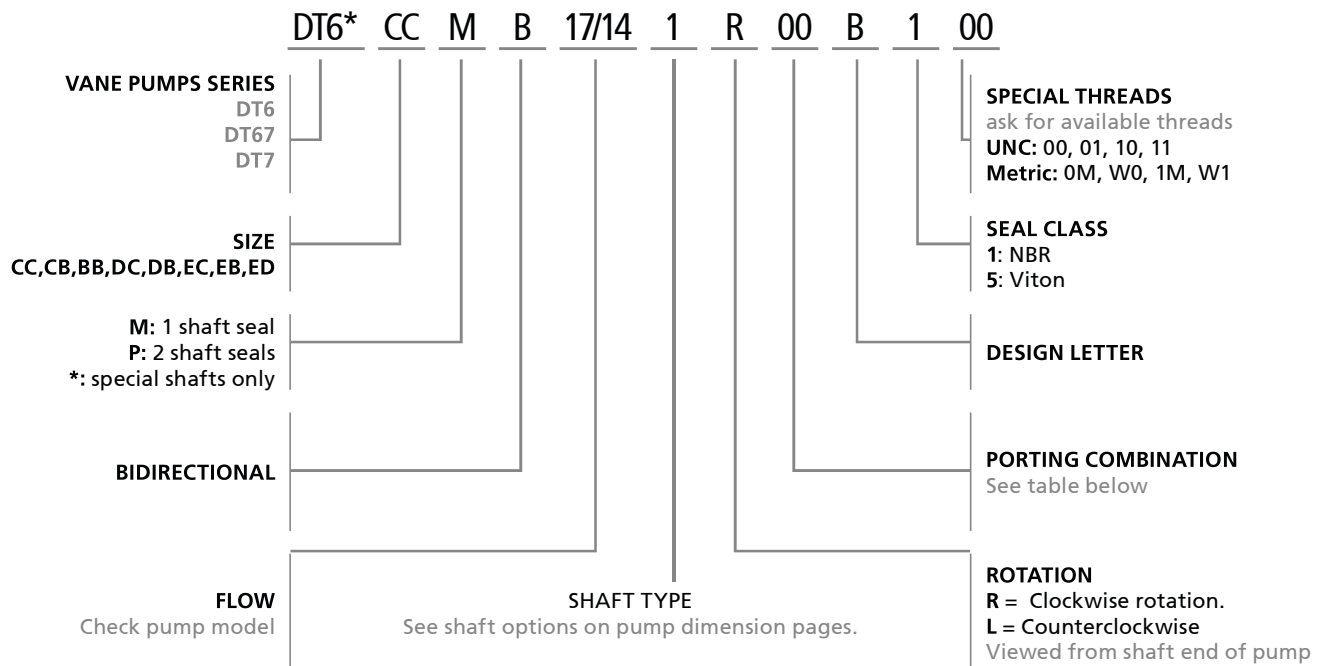
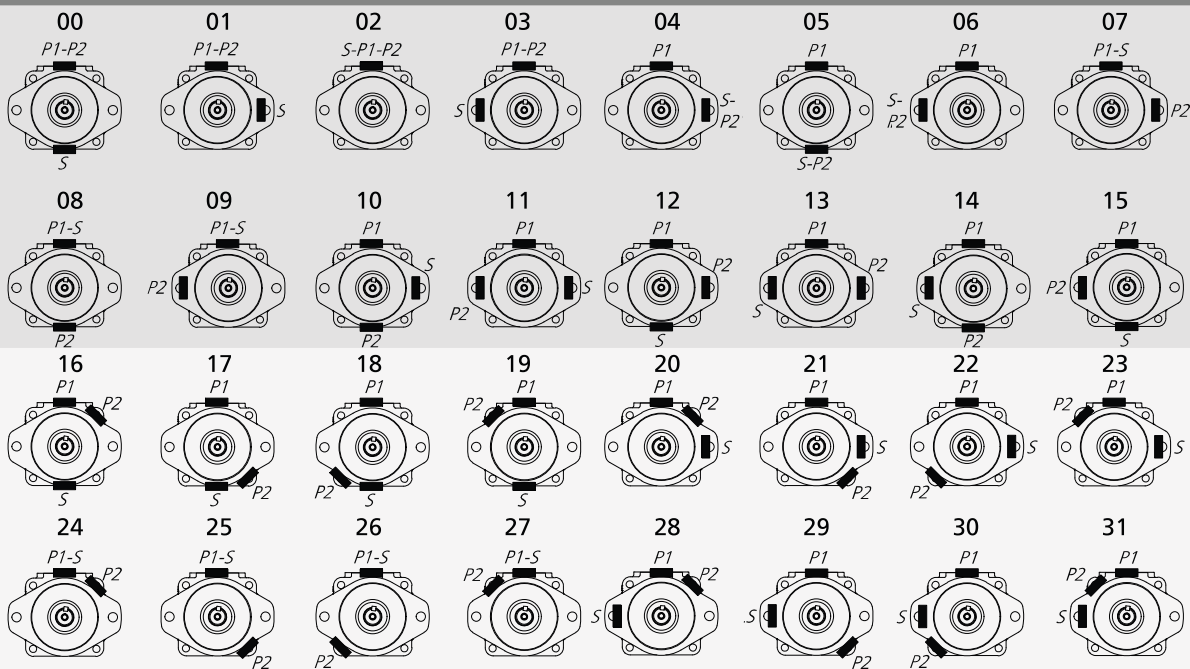


ORDERING CODE



PORTING COMBINATION


DT6ED
ALL SERIES

GENERAL CHARACTERISTICS

TYPE		P1*			P2*				SPEED	FRONT FLANGE	WEIGHT	SAE 4 HOLES FLANGE		
DENISON	FLOW		MAX PRESS. (BAR)	NOMINAL POWER	FLOW		MAX PRESS. (BAR)	NOMINAL POWER	RANGE	SAE j744c ISO 3019-1	KG	SUCTION S	PRESSURE	
	GAL./min @ 1200 RPM	L./min @ 1000 RPM			GAL./min @ 1200 RPM	L./min @ 1000 RPM							P1	P2
DT6CC/M	3-31	11-100	275	2,4-22,2	3-31	11-100	275	2,4-22,2	500-2800	SAE B	26	2 ½" 3"	1"	1" ¾"
DT67CB/M	3-31	11-100	275	2,4-22,2	2-15	6-50	320	1,3-11,1						
DT67BB/M	2-15	6-50	320	1,3-11,1	2-15	6-50	320	1,3-11,1						
DT6DC/M	14-61	48-191	240	10,7-42,4	3-31	11-100	275	2,4-22,2						
DT67DB/M	14-61	48-191	240	10,7-42,4	2-15	6-50	320	1,3-11,1						
DT7DB/M	14-61	44-191	300	9,8-42,4	2-15	6-50	320	1,3-11,1	500-2200	SAE C	37	3"	1 1/4"	1"
DT6EC/M	42-85	132-270	240	29,3-60	3-31	11-100	275	2,4-22,2						
DT67EB/M	42-85	132-270	240	29,3-60	2-15	6-50	320	1,3-11,1						
DT6ED/M	42-85	132-270	240	29,3-60	14-61	48-191	240	10,7-42,4						
DT67ED/M	42-85	132-270	240	29,3-60	14-61	44-191	300	9,8-42,4						

* See page 41 for further information about speed & pressure

EXCEPTIONS TABLE															
MODEL	7B				6C			6D			7D				6E
FLOW	011	012	014	015	025	028	031	035	038	042	042	045	050	061	085
MAX INTERMITENT PRESSURE (BAR)	300			280	-	210		280		260	-		210	120	90
RPM MAX	3000				2500			2800		2500	2200				2000

Above mentioned values of maximum speed and maximum pressure are based on use of antiwear oil only.
Please contact Bezares SA for particular values when different fluids are used, (synthetic fluids, water in oil emulsions, water glycol, etcetera)

DT6CC / DT67CB / DT67BB
OPERATING CHARACTERISTICS

T6C SHAFT END FLOW														SPEED(rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.*	Contin.*	Intermit.*
Gal/min.at1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800	240	275

T7BS SHAFT END FLOW														SPEED(rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	6	10	13	16	20	22	25	28	32	35	41	45	50	Mín.	Máx.*	Contin.*	Intermit.*
Gal/min.at1200 rpm	2	3	4	5	6	7	8	9	10	11	12	14	15	500	3600	290	320

T6C COVER END FLOW														SPEED(rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.*	Contin.*	Intermit.*
Gal/min.at1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800	240	275

T7BS COVER END FLOW														SPEED(rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	6	10	13	16	20	22	25	28	32	35	41	45	50	Mín.	Máx.*	Contin.*	Intermit.*
Gal/min.at1200 rpm	2	3	4	5	6	7	8	9	10	11	12	14	15	500	3600	290	320

* See page 41 for further information about speed & pressure

Flow & input power diagrams	
SHAFT END	COVER END
See DT6C Single Pumps for flow and input power diagrams (page 46)	
See DT7BS single pumps for flow and input power diagrams (page 42)	

Shaft torque limitS	
Shaft	Nm
1	227.7
2	341.1
3	520.2
5	328

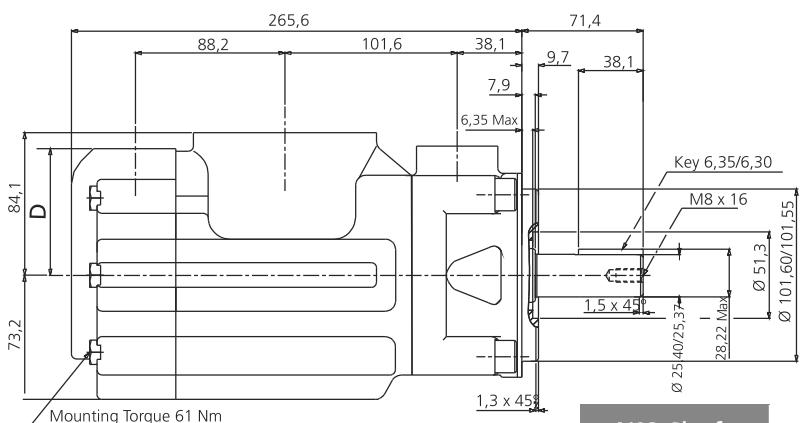
Mounting with connection variables				
UNC	00*	01 *	10*	11*
METRIC	0M*	W0*	1M*	W1 *
S	3		2 ½	
P1	1			
P2	1	¾	1	¾
You may use suction S of 2 ½ for 126 cc/rev. max. You may use pressure port P2 of ¾ for 46 cc/rev max.				
*Add the following numbers at the end of the DT6CC reference depending your option.				

DT6CC/DT67CB/DT67BB DIMENSIONS

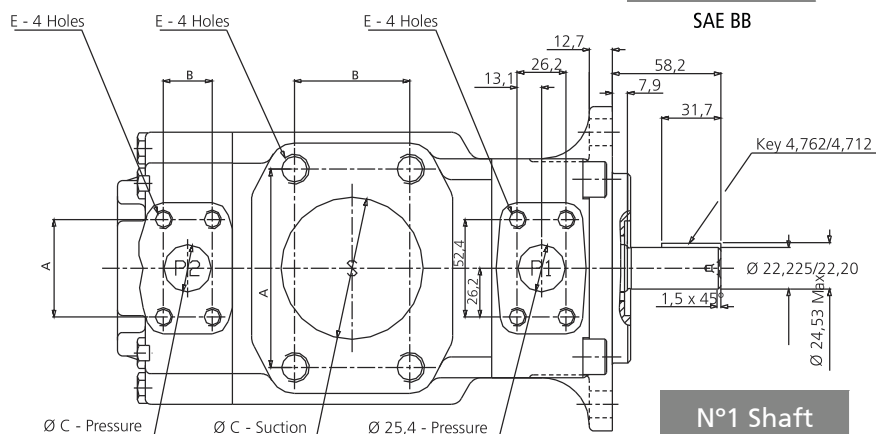
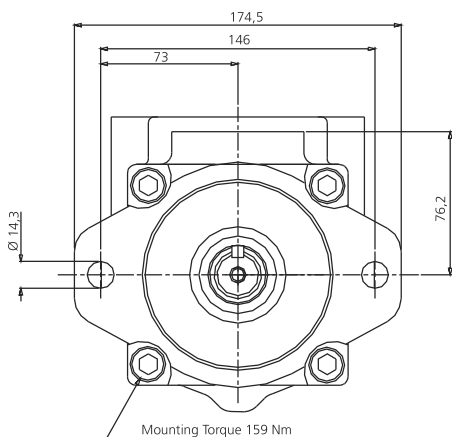
DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm

Suction and pressure Port dimension variables.

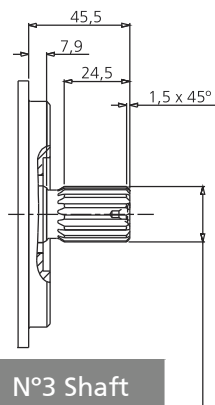
Thread Port	A	B	C	D	E
S	3	106,4	61,9	76,2	5/8 - 11UNC x 28,5 (M16 x 28,5)
	2 1/2	88,9	50,8	63,5	1/2 - 13UNC x 24 (M12 x 24)
P1	1	52,4	26,2	25,4	3/8 - 16UNC x 19 (M10 x 19)
P2	3/4	47,7	22,4	19	
	1	52,4	26,2	25,4	74,7

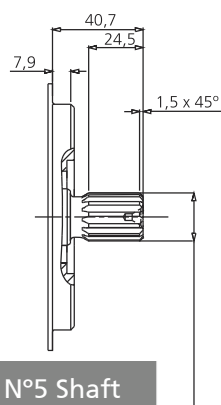

N°2 Shaft

SAE BB


N°1 Shaft

Keyed no SAE


N°3 Shaft

 SAE BB Splined shaft
1-J498b 16/32 d.p. - 15 Teeth
30° Pressure angle

N°5 Shaft

 SAE B Splined shaft
1-J498b 16/32 d.p. - 13 Teeth
30° Pressure angle

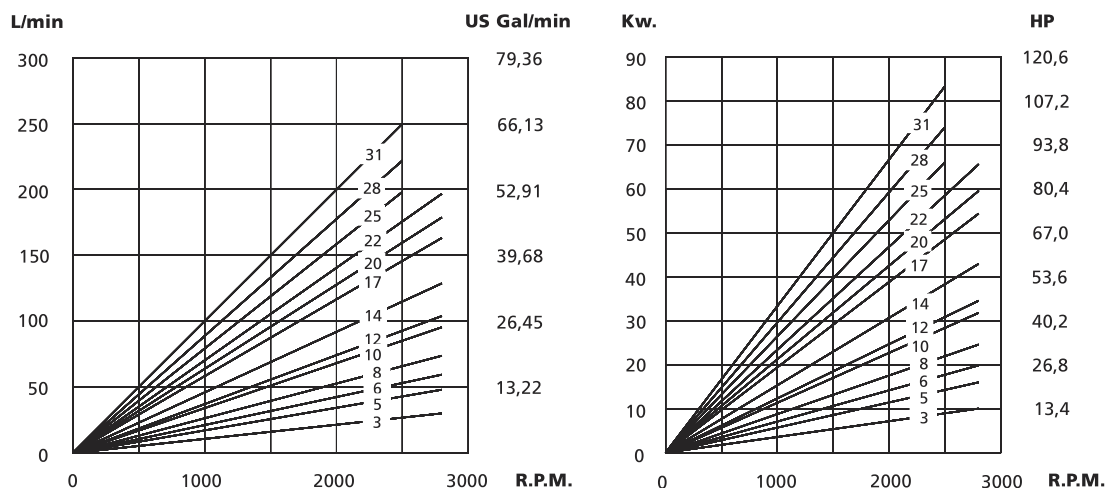
ADDITIONAL SHAFT CODES: SEE ON PAGES 114-118

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.*	Contin.*	Intermit.*	(Kgs.)
Gal/min.at1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800	240	275	15

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

DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm



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).

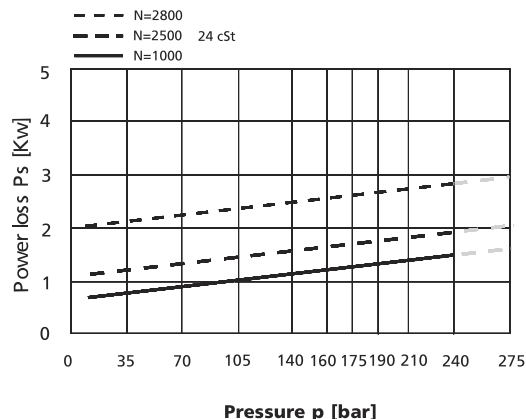
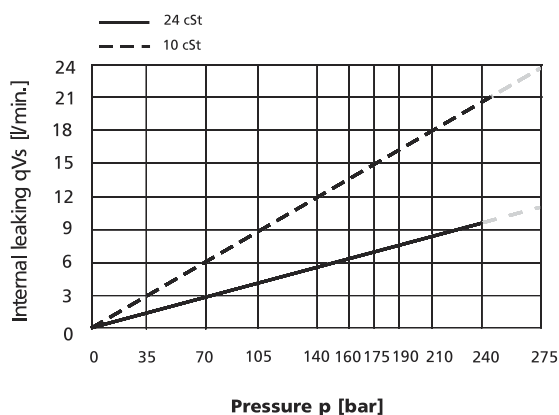
Theoretical Input Power at 200 Bar

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).

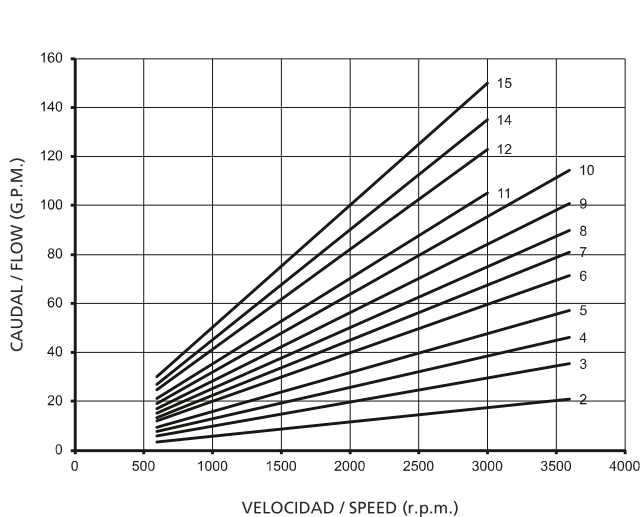


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow

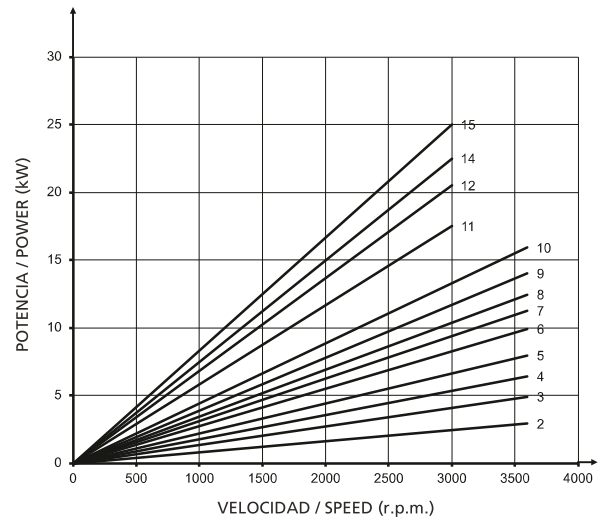
DT7BS / DT67B CHARACTERISTICS

FLOW															SPEED(rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm	6	10	13	16	20	22	25	28	32	35	41	45	50	Mín.	Máx.*	Contin.*	Intermit.*	(Kgs.)	
Gal/min.at1200 rpm	2	3	4	5	6	7	8	9	10	11	12	14	15	500	3600	290	320	23	

* 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).

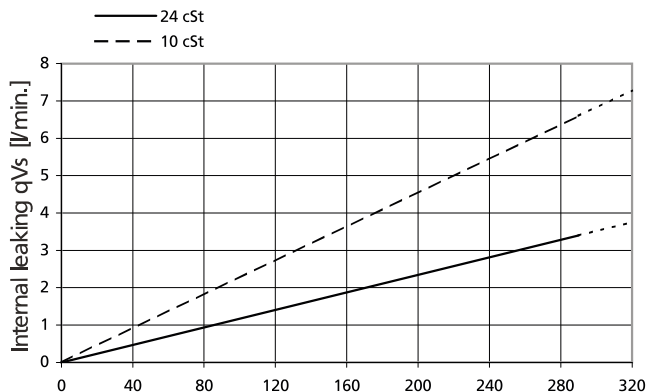
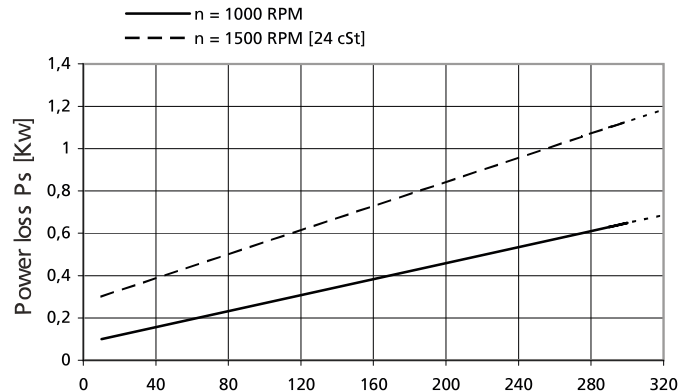

Theoretical Input Power at 300 Bar

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).


Pressure p [bar]

Pressure p [bar]

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