DATA SHEET

DT6G & DT67G ORDERING CODE

T6GC | B22 | 6 | R | 00 | A | 1 | 00 | *

DT6GC/DT67GB
Single Vane pumps
DT6GCC/DT67GCB/ DT67GBC/DT67GBB
Double Vane pumps

BIDIRECTIONAL (FLOW)
in US Gallons / 1200rpm

SHAFT TYPE
Splined (DIN 5462)

ROTATION
D = Clockwise rotation
Y = Counterclockwise
Viewed from shaft end of pump

PORTING COMBINATION
Viewed from shaft end of pump
(See diagrams)

DESIGN LETTER

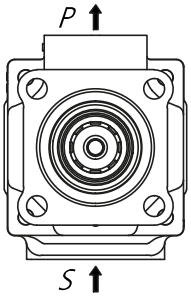
SEAL CLASS
1: NBR
5: Viton

SUCTION AND PRESSURE CONNECTIONS

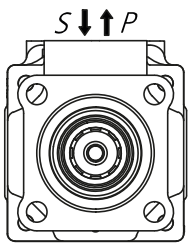
SPECIAL FEATURES

PORTING COMBINATION | DT6GC

00



01



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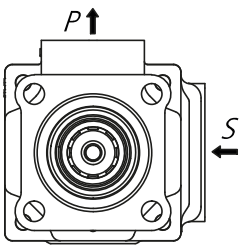

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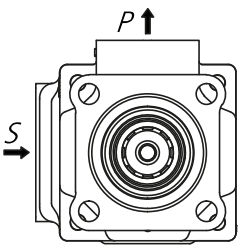
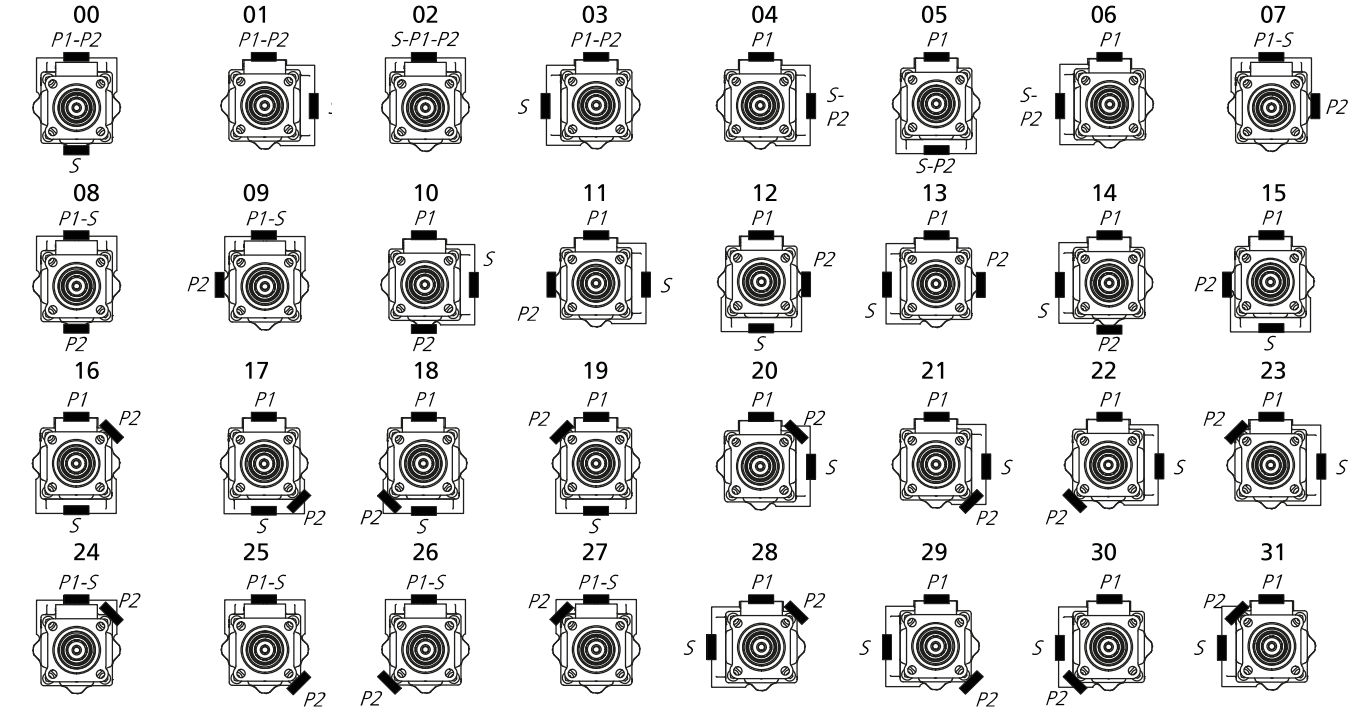


PORTING COMBINATION | DT6GCC



OPERATING CHARACTERISTICS

T6C 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	700	2800	240	275	18

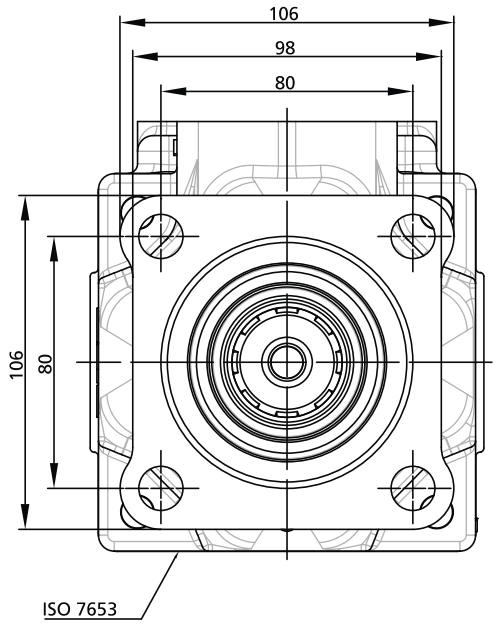
T7B FLOW														SPEED(rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm	6	10	13	16	20	22	25	28	32	35	41	45	50	Mín.	Máx.*	Contin.*	Intermit.*	(Kgs.)
Gal/min.at1200 rpm	2	3	4	5	6	7	8	9	10	11	12	14	15	500	3600	290	320	23

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

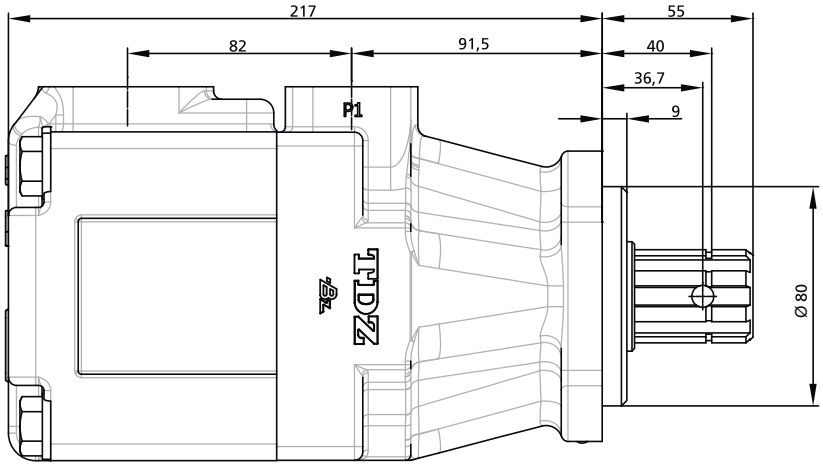
DATA SHEET

DIMENSIONS

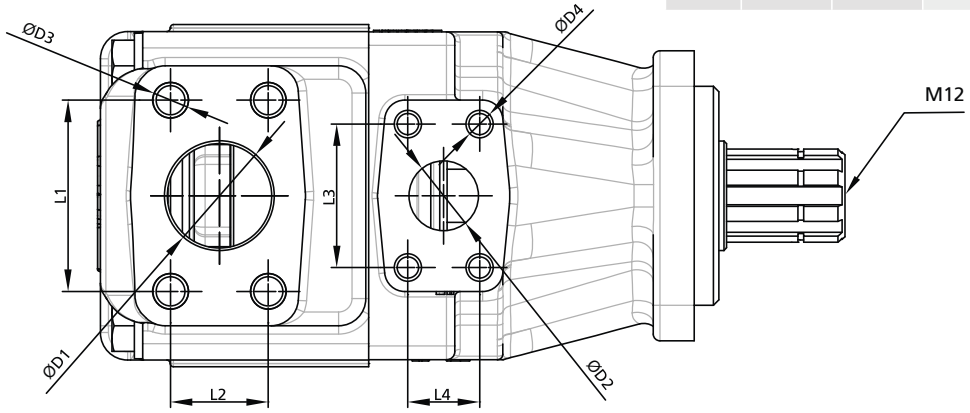
DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm



	PORTS OPTIONS			
	ØD1	ØD3	L1	L2
COVER	1 ½" SAE	½" 13H UNC M12	69,85	35,7
	ØD2	ØD4	L3	L4
FLANGE	1" SAE	3/8" 16H UNC M10	52,4	26,2
	1" BSP	-	-	-
	¾" BSP			



CODE	A	B	S	P
00*	½" 13 UNC	3/8" 16 UNC	1 ½"	1"
M0*	M12	M10		



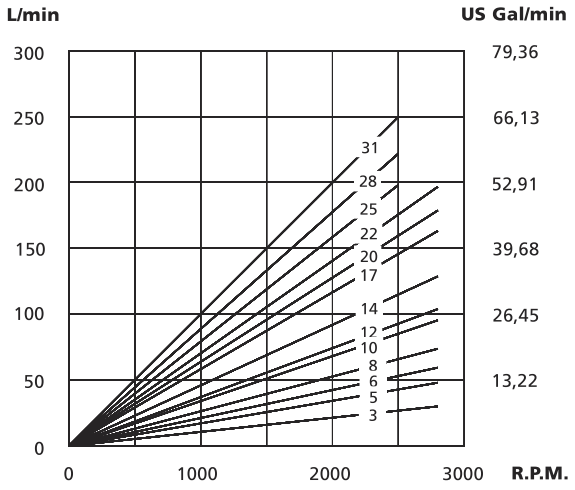
DATA SHEET

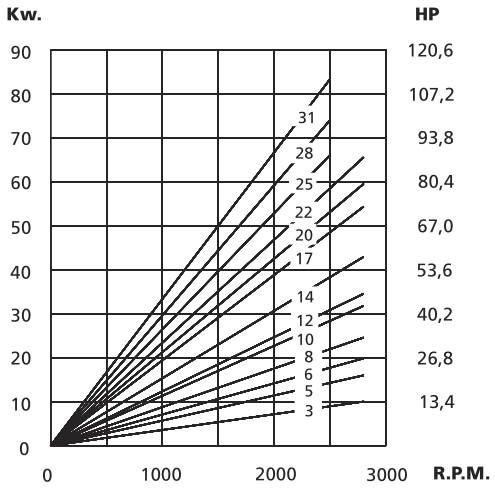
DT6C OPERATING CHARACTERISTICS

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.*	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, substract the internal leakage value for this pressure (see diagram below) from the theoretical flow. (See diagram above).

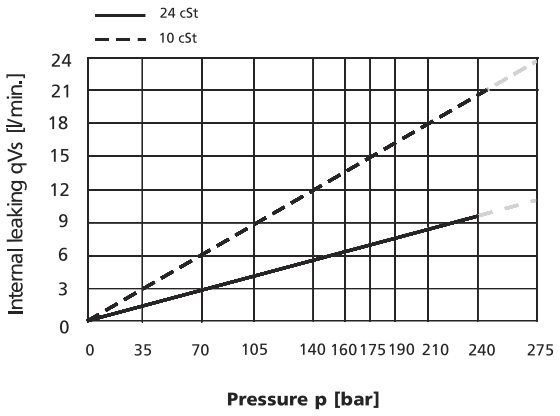
Theoretical Input Power at 200 Bar

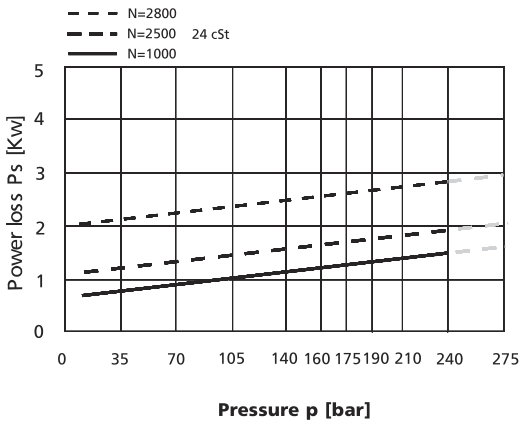
To calculate the theoretical input power at other pressures and speeds, use the formula:

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

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).





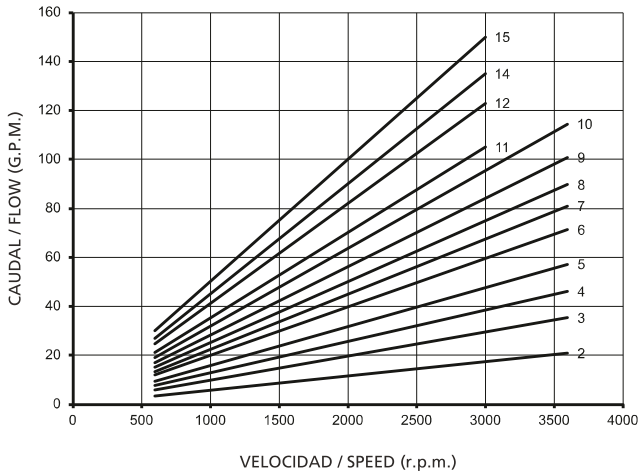
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow

DATA SHEET

DT7BS / DT67B CHARACTERISTICS

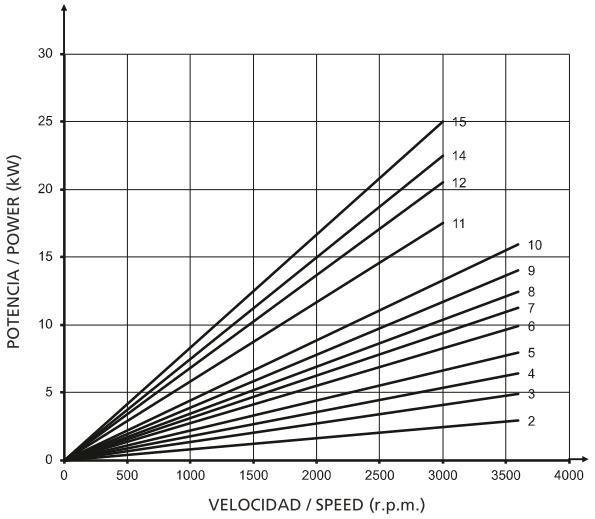
FLOW														SPEED(rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm	6	10	13	16	20	22	25	28	32	35	41	45	50	Mín.	Máx.*	Contin.*	Intermit.*	(Kgs.)
Gal/min.at1200 rpm	2	3	4	5	6	7	8	9	10	11	12	14	15	500	3600	290	320	23

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



Theoretical Flow (0 Bar)

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



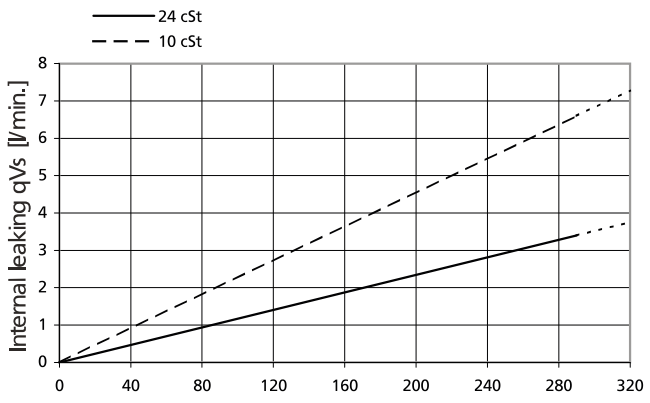
Theoretical Input Power at 300 Bar

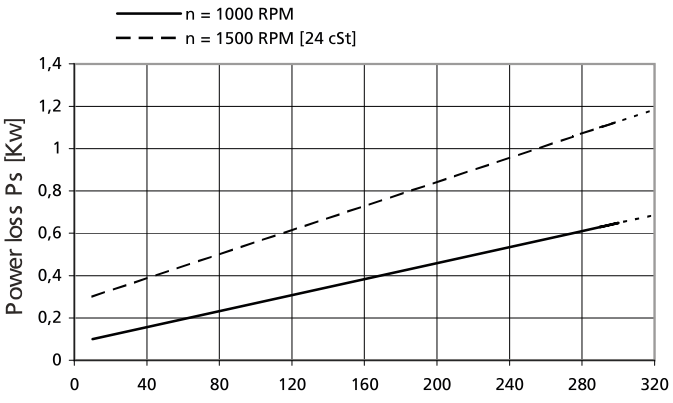
To calculate the theoretical input power at other pressures and speeds, use the formula:

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

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