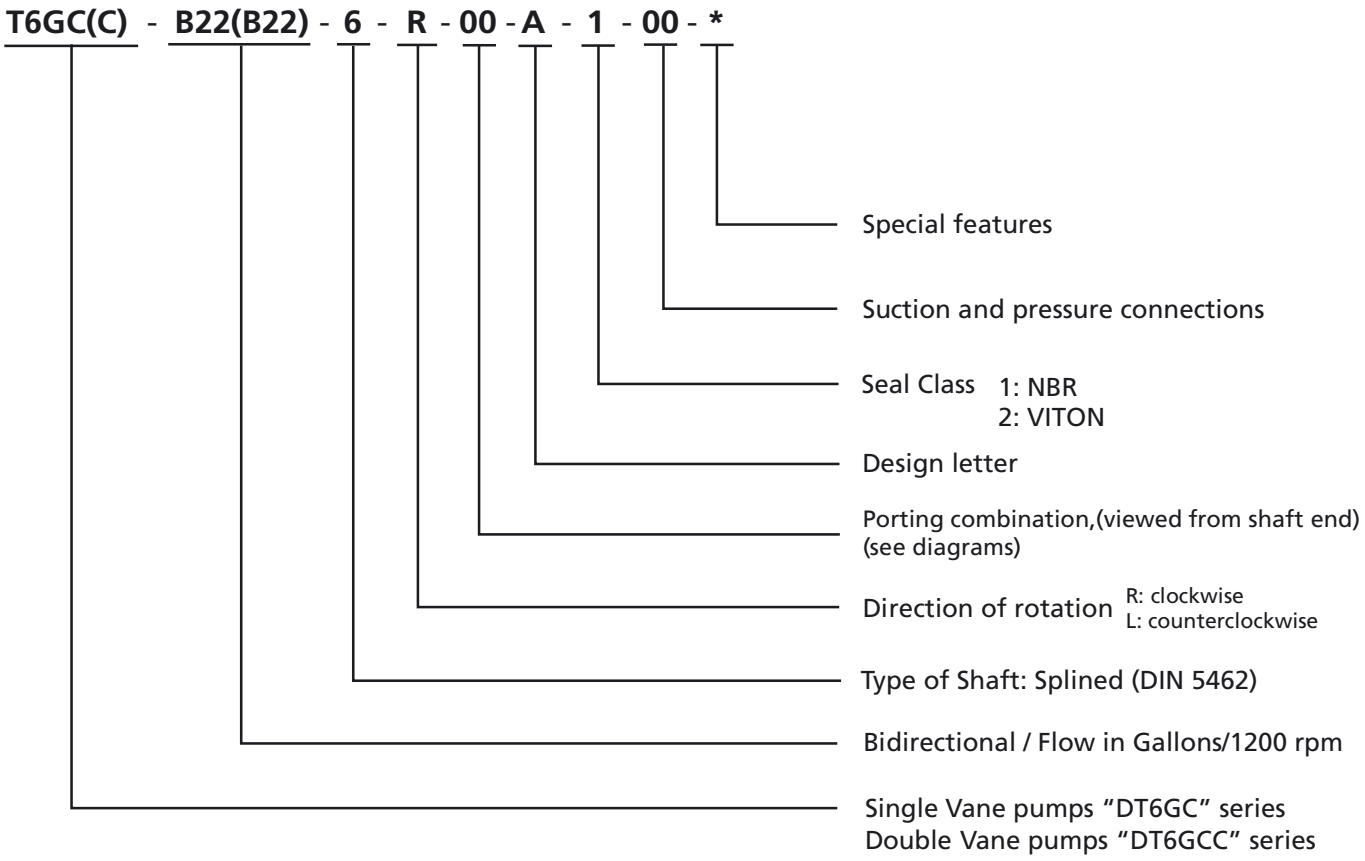
HYDROLIFT

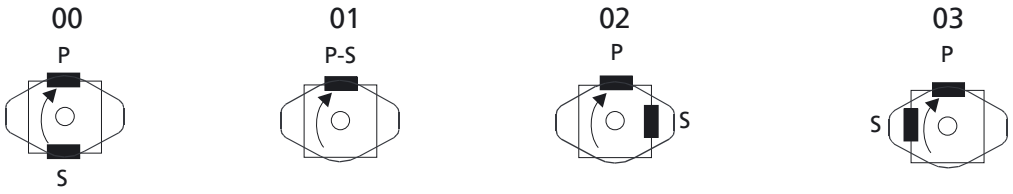
T6GCC series - Single and Double Vane Pump ISO Mount Type PTO Mountable

DT6GC SINGLE & DT6GCC DOUBLE VANE PUMPS
ORDERING CODE

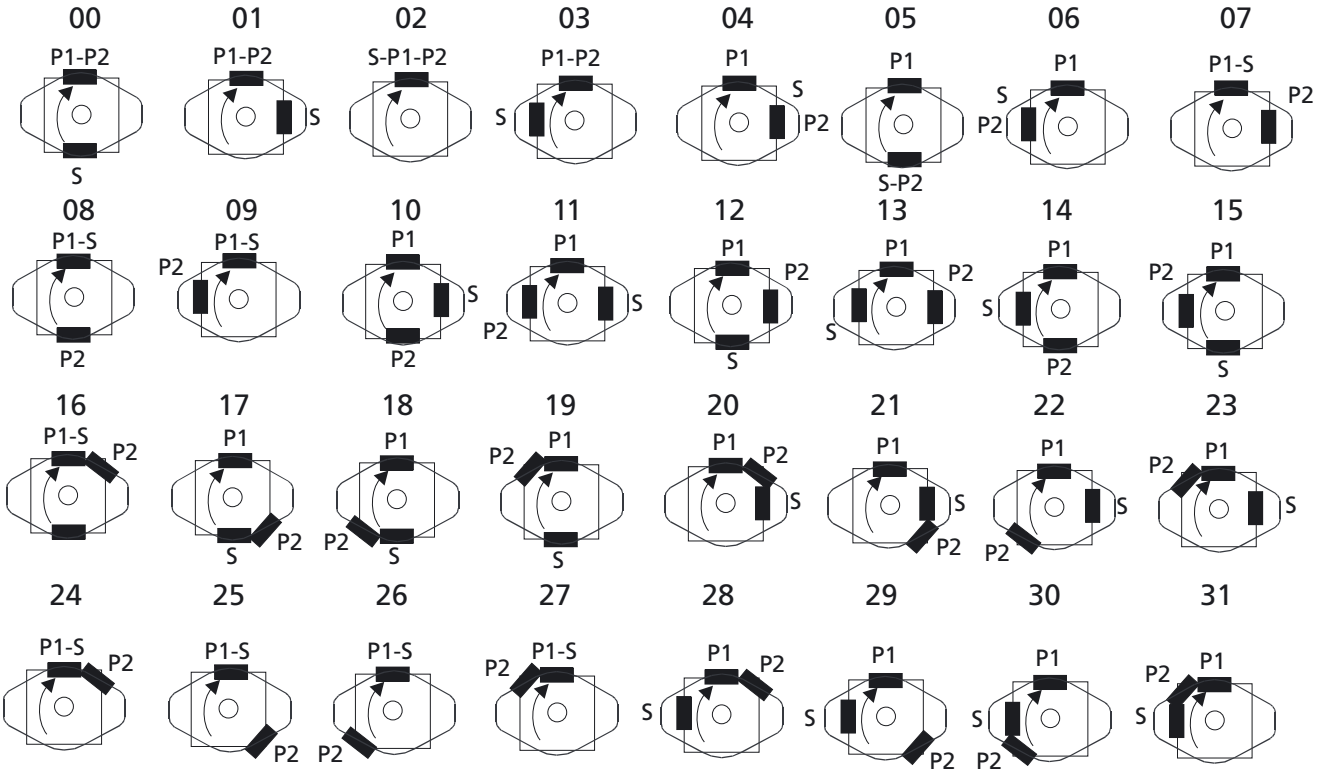


DT6GC & DT6GCC PORTING COMBINATION

DT6GC



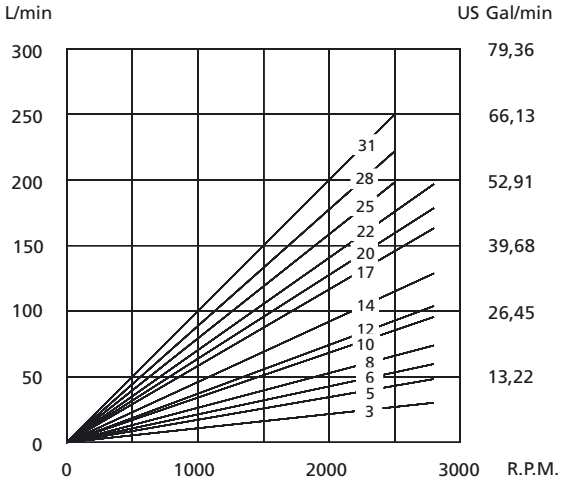
DT6GCC



DT6GC OPERATING CHARACTERISTICS

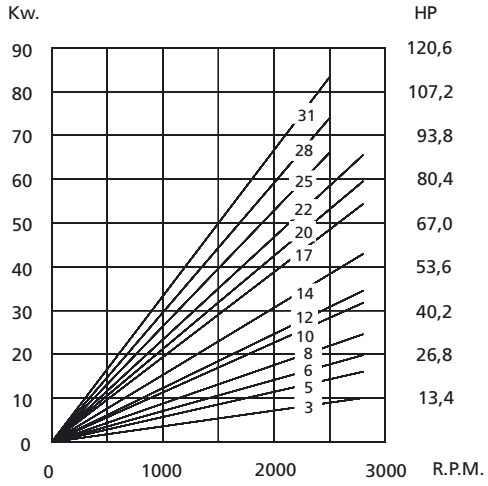
FLOW														SPEED (rpm)		PRESSURE (bar)		WEIGHT
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.	(Kgs.)
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	700	2800	275	240	18

*** 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).



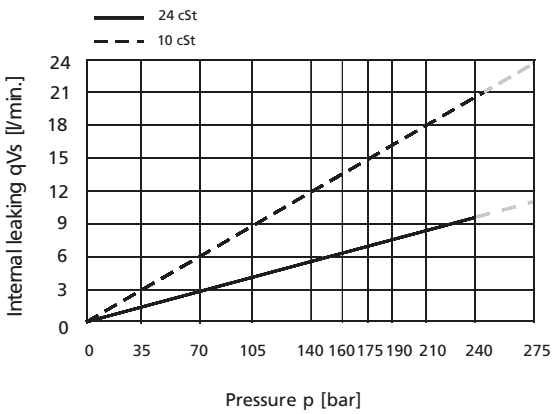
Theoretical Input Power at 200 Bar

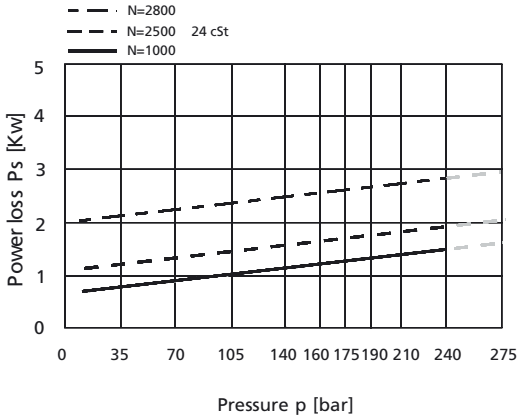
To calculate the theoretical input power at other pressures and speeds, use the formula:

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

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).

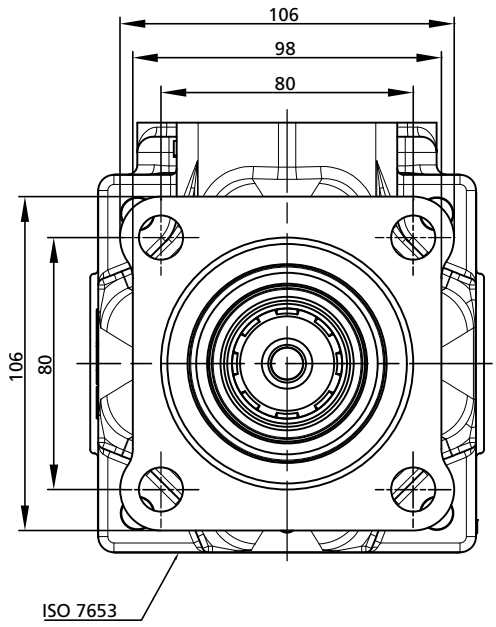




Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow

DIMENSIONS - SINGLE VANE PUMPS DT6GC

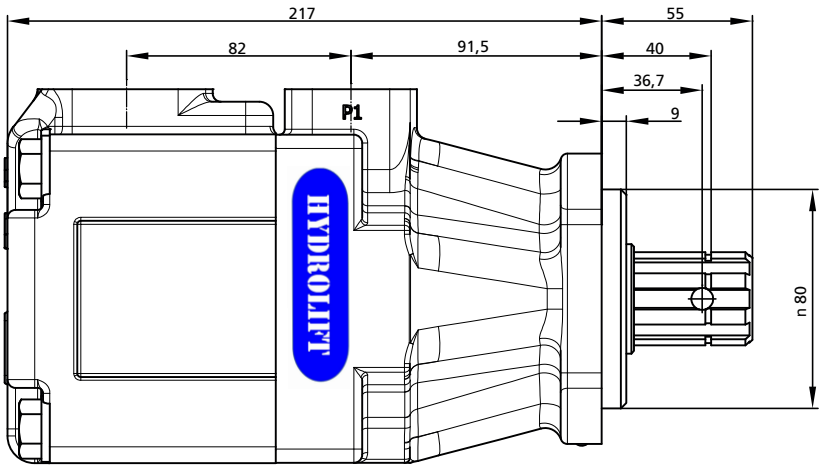
DIMENSIONS IN MILLIMETERS. **1” = 25,4 mm**

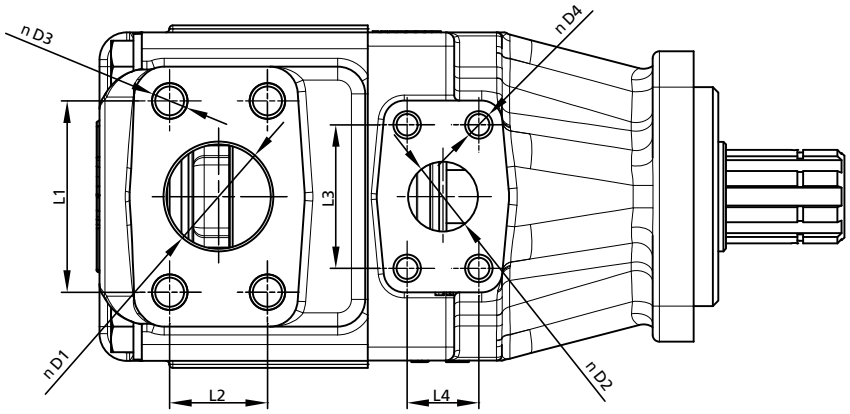


Suction and Pressure ports options

	∅D1	∅D3	L1	L2
COVER	1" 1/2 SAE	1/2"-13H UNC	69,85	35,7
	1" 1/2 SAE	M12	69,85	35,7

	∅D2	∅D4	L3	L4
FLANGE	1" SAE	3/8"-16H UNC	52,4	26,2
	1" SAE	M10	52,4	26,2
	1" BSP	———	———	———
	3/4" BSP	———	———	———





DOUBLE PUMPS DT6GCC - OPERATING CHARACTERISTICS

SHAFT END SECTION

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.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	700	2800*	275	240*

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

COVER END SECTION

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.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	700	2800*	275	240*

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

DT6GCC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

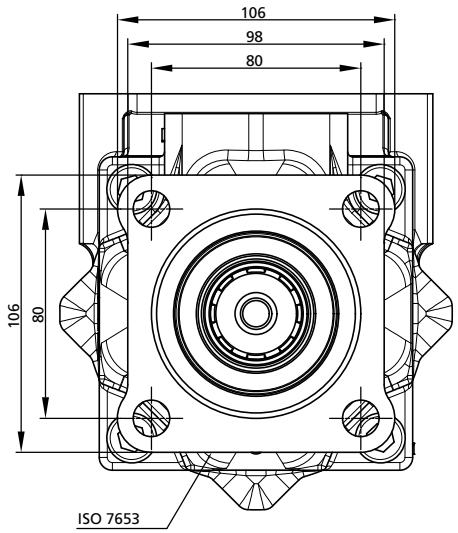
See **DT6GC** Single Pumps for flow and input power diagrams

COVER END

See **DT6GC** Single Pumps for flow and input power diagrams

DOUBLE PUMPS DT6GCC - DIMENSIONS - WEIGHT: 29 Kg

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



Suction and Pressure ports options

	⌀ D1	⌀ D4	L1	L2
COVER	1" SAE	3/8"-16H UNC	69,85	35,7
	1" SAE	M10	69,85	35,7
	3/4" SAE	3/8"-16H UNC	47,6	22,2
	3/4" SAE	M10	47,6	22,2

	⌀ D2	⌀ D5	L3	L4
MIDDLE BODY	2" 1/2 SAE	1/2"-13H UNC	88,9	50,8
	3" SAE	5/8"-16H UNC	106,4	61,9
	2" 1/2 SAE	M12	88,9	50,8
	3" SAE	M16	106,4	61,9

	⌀ D3	⌀ D6	L5	L6
FLANGE	1" SAE	3/8"-16H UNC	52,4	26,2
	1" SAE	M10	52,4	26,2
	1" BSP	———	———	———
	3/4" BSP	———	———	———