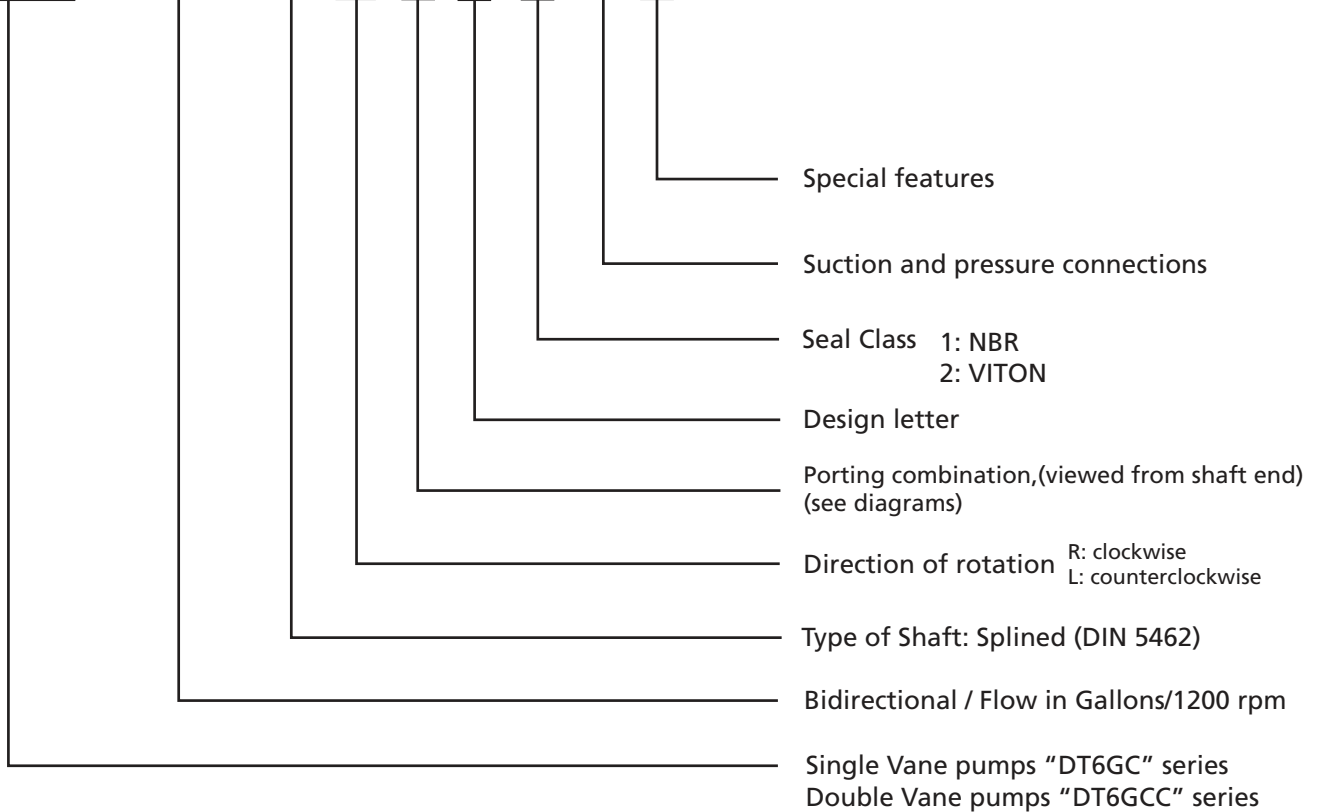


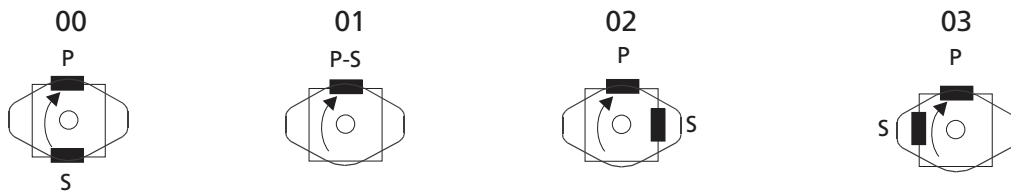
DT6GC SINGLE & DT6GCC DOUBLE VANE PUMPS
ORDERING CODE

T6GC(C) - B22(B22) - 6 - R - 00 - A - 1 - 00 - *

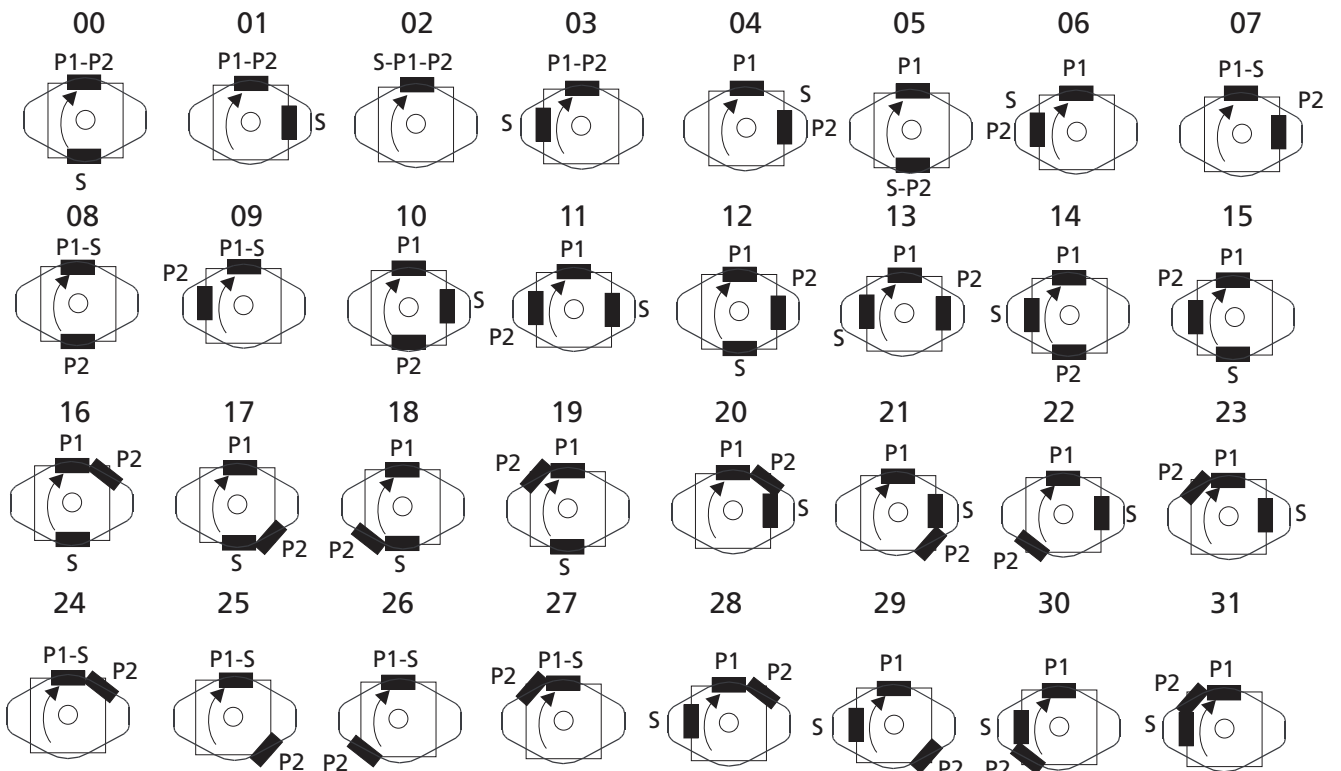


DT6GC & DT6GCC PORTING COMBINATION

DT6GC



DT6GCC

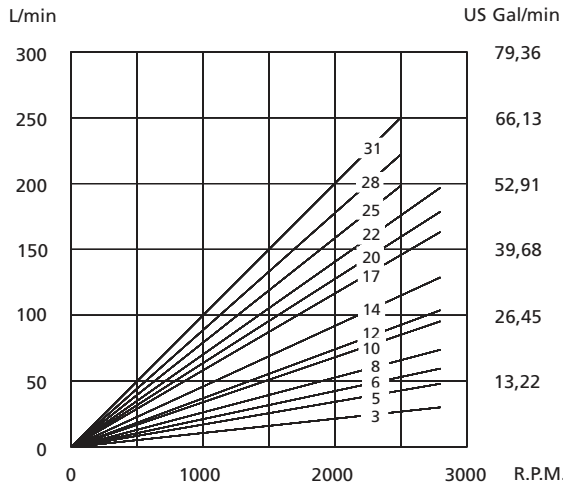


DT6GC OPERATING CHARACTERISTICS

DATA SHEET

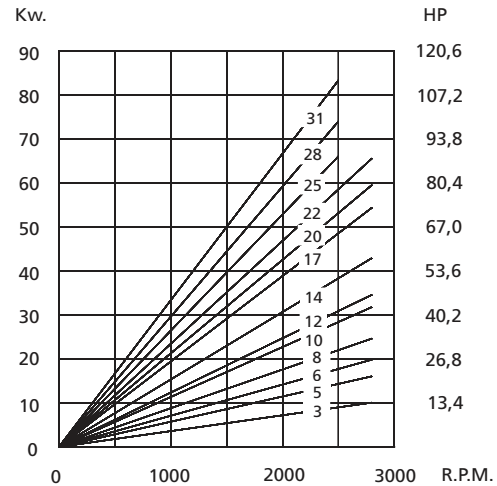
| FLOW | | | | | | | | | | SPEED (rpm) | | PRESSURE (bar) | | WEIGHT | | | | |
|----------------------|----|----|----|----|----|----|----|----|----|-------------|----|----------------|-----|--------|------|-----------|---------|--------|
| Lts/min.at 1000 rpm | 11 | 17 | 21 | 26 | 34 | 37 | 46 | 58 | 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 | 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, subtract the internal leakage value for this pressure (see diagram below) from the theoretical flow. (See diagram above).



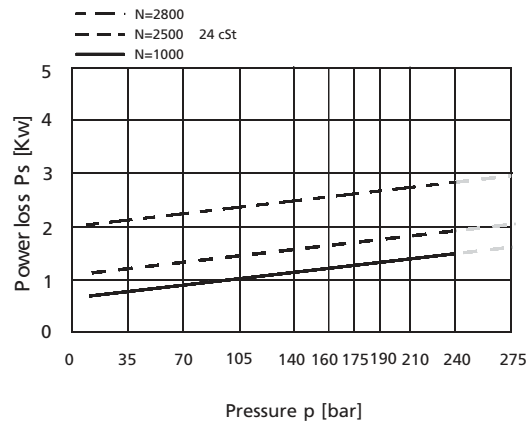
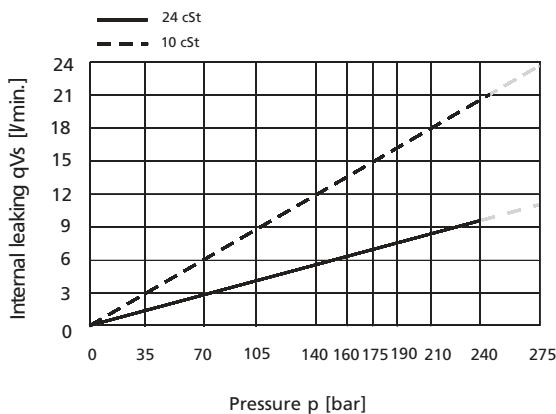
Theoretical Input Power at 200 Bar

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.

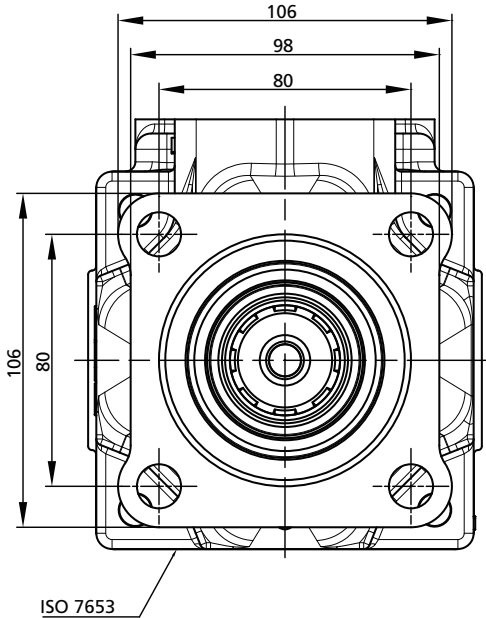
To calculate the real input power, add to the theoretical power the hydromechanical power losses (see diagram below).



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

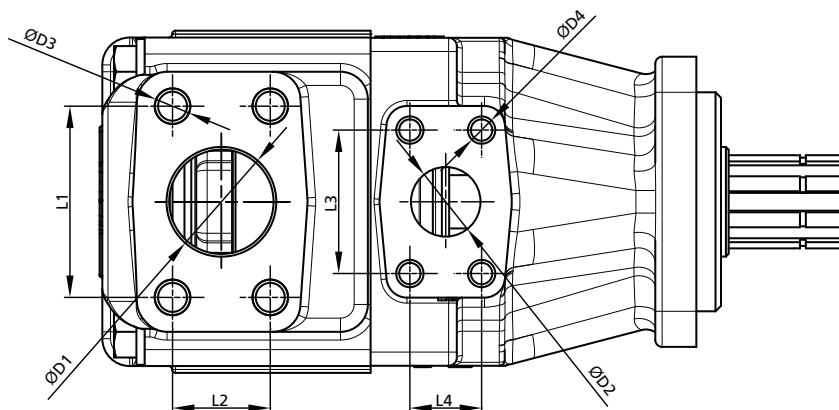
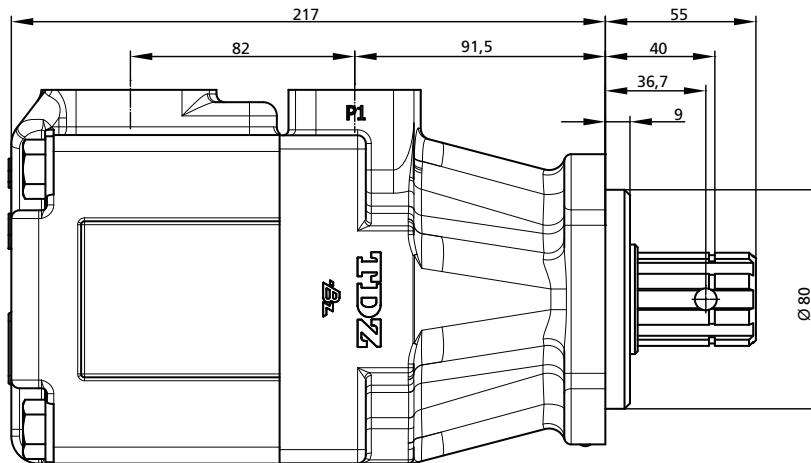
DIMENSIONS - SINGLE VANE PUMPS DT6GC

DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm



Suction and Pressure ports options

| | ØD1 | ØD3 | L1 | L2 |
|--------|------------|--------------|-------|-------|
| COVER | 1" 1/2 SAE | 1/2"-13H UNC | 69,85 | 35,7 |
| | 1" 1/2 SAE | M12 | 69,85 | 35,7 |
| | ØD2 | ØD4 | 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

DATA SHEET

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 (page 94)

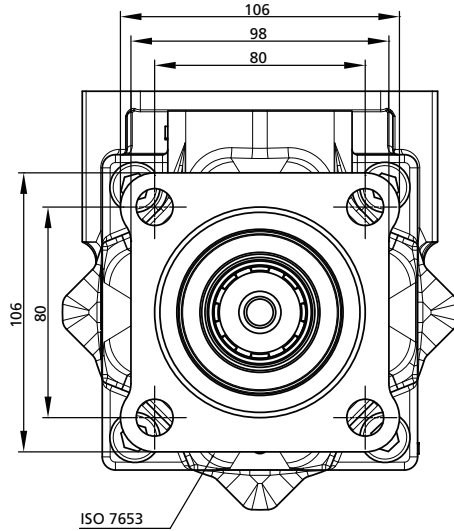
COVER END

See **DT6GC** Single Pumps for flow and input power diagrams (page 94)



DOUBLE PUMPS DT6GCC - DIMENSIONS - WEIGHT: 29 Kg

DIMENSIONS IN MILLIMETERS. 1" = 25,4 mm



COVER

Suction and Pressure ports options

| ØD1 | ØD4 | L1 | L2 |
|----------|--------------|------|------|
| 1" SAE | 3/8"-16H UNC | 52,4 | 26,2 |
| 1" SAE | M10 | 52,4 | 26,2 |
| 3/4" SAE | 3/8"-16H UNC | 47,6 | 22,2 |
| 3/4" SAE | M10 | 47,6 | 22,2 |

MIDDLE BODY

| ØD2 | ØD5 | L3 | L4 |
|------------|--------------|-------|------|
| 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 |

FLANGE

| ØD3 | ØD6 | L5 | L6 |
|----------|--------------|------|------|
| 1" SAE | 3/8"-16H UNC | 52,4 | 26,2 |
| 1" SAE | M10 | 52,4 | 26,2 |
| 1" BSP | | | |
| 3/4" BSP | | | |

