

Pumps - Fixed Displacement

Vane – SAE

DENISON®

Single



- 275 bar max pressure for T6CM. 240 bar for T6DM & T6EM
- Silent technology even under high pressure
- Wide range of displacements
- User friendly = easy conversions & evolutions
- Wide number of shafts available (SAE, ISO & specials)
- Double shaft seal option possible (T6CP, T6DP & T6EP)
- Rear drive train options available (SAE A, SAE B or SAE C)

Frame size TB	003	004	005	006	008	009	011	012
Displacement (cm ³ /rev)	8.8	12.8	16.0	20.7	26.1	31.5	35.6	39.7
Max cont pressure (bar)	175	175	175	175	175	175	175	175
Max operating speed ¹ (rpm)	3500	3500	3400	3400	3300	3300	3200	3200
Input power ² (kW)	3.3	5.8	7.2	9.2	11.5	13.9	15.7	17.5
Weight (kg)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

Frame size T6CM	B03	B05	B06	B08	B10	B12	B14	B17	B20	B22	B25	B28	B31
Displacement (cm ³ /rev)	10.8	17.2	21.3	26.4	34.1	37.1	46.0	58.3	63.8	70.3	79.3	88.8	100.0
Max cont pressure (bar)	240	240	240	240	240	240	240	240	240	240	240	160	160
Max operating speed ¹ (rpm)	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2500	2500	2500
Input power ² (kW)	5.3 ³⁾	12.2	14.7	17.7	22.3	24.1	29.5	36.9	40.2	44.1	49.5	48.5 ⁴⁾	54.4 ⁴⁾
Weight (kg)	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7

Frame size T6DM	B14	B17	B20	B24	B28	B31	B35	B38	B42	B45	B50
Displacement (cm ³ /rev)	47.6	58.2	66.0	79.5	89.7	98.3	111.0	120.3	136.0	145.7	158.0
Max cont pressure (bar)	210	210	210	210	210	210	210	210	210	210	160
Max operating speed ¹ (rpm)	2500	2500	2500	2500	2500	2500	2500	2500	2200	2200	2200
Input power ² (kW)	30.6	37.0	41.7	49.8	55.9	61.0	68.7	74.3	83.7	89.5	85.0 ⁴⁾
Weight (kg)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0

Frame size T6EM	042	045	050	052	054	057	062	066	072
Displacement (cm ³ /rev)	132.3	142.4	158.5	164.8	171.0	183.3	196.7	213.3	227.1
Max cont pressure (bar)	210	210	210	210	210	210	210	210	210
Max operating speed ¹ (rpm)	2200	2200	2200	2200	2200	2200	2200	2200	2200
Input power ² (kW)	82.6	88.7	98.3	102.1	105.8	113.2	121.3	131.2	139.5
Weight (kg)	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3

1) Shaft speed for petroleum based fluids. For higher speeds, please contact Parker

2) 1500 rpm at 240 bar (except TB at 175 bar)

3) 140 bar

4) 210 bar max

Double



- Very low noise
- SAE or ISO standards
- One piece shaft (no internal torque limitations)
- Single common inlet
- 32 porting orientations available, 16 different double pump frames
- 819 displacement possibility (from 10.8 to 227.1 cm³/rev) with a max displacement of 454.2 cm³/rev
- Displacement combinations with above T6CM – T6DM & T6EM
- High power to weight ratio
- Wide range of options available = different shafts, threads, pilots
- Double shaft seal option available (T6CCP, T6DCP, T6ECP & T6EDP)
- Special shafts for tractors (J718c) T6CCMW, T6DCMW, T6ECM & T6EDM)

Triple



- Very low noise
- Single common inlet
- 128 porting orientations available
- 6766 displacement combinations (from 10.8 to 227.1 cm³/rev) with a max displacement of 552 cm³/rev
- One piece shaft (no internal torque limitation)
- High power to weight ratio
- 15 different triple pump frames available

Pumps - Fixed Displacement

Vane

DENISON®

Single & Double



- Special PTO shaft DIN 5462
- Silent technology
- Designed for radial load capability
- Flexibility in the porting
- Two pilot options = 4 bolts Ø 80.0 or 3 bolts Ø 52.0
- Maximum working pressure 275 bar
- Double pump available (T6GCC)

Frame size T6GC - T6ZC	B03	B05	B06	B08	B10	B12	B14	B17	B20	B22	B25	B28	B31
Displacement (cm ³ /rev)	10.8	17.2	21.3	26.4	34.1	37.1	46.0	58.3	63.8	70.3	79.3	88.8	100.0
Max cont pressure (bar)	240	240	240	240	240	240	240	240	240	240	240	160	160
Max operating speed ¹ (rpm)	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2500	2500	2500
Max input power ² (kW)	-	12.2	14.7	17.7	22.3	24.1	29.5	36.9	40.2	44.1	49.5	48.5	54.4
Weight (kg)				T6GC = 18.0			T6ZC = 14.0		T6GCC = 27.2				

1) Shaft speed for petroleum based fluids. For higher speeds, please contact Parker Denison

2) 1500 rpm at 240 bar

Vane – Cardan Shaft

Double – T6CCZ



- High radial & axial loads capabilities
- 3 different keyed shafts available
- One inlet
- Displacements = on P1 from 10 to 100 cm³/rev & P2 from 10 to 100 cm³/rev
- Pressure: up to 275 bar on P1 & P2

Axial Piston & Fixed Vane Combination

Double & Triple



- Variable piston & vane pump combination
- Wide range of displacements:
 - Variable piston unit of 42 cm³/rev (SAE B) or 62 cm³/rev (SAE C)
 - Vane unit from 6 cm³/rev to 158 cm³/rev
- One inlet, one shaft (no internal torque limitations)
- Pressure controls (standard, ventable & ventable by electronic valve, load sensing)
- Very compact unit
- Splined & keyed shafts available
- 10 frame size available