

Torqmotor™ Small Frame

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www.parker.com/hyd/te



- High volumetric efficiency
- Long life
- Full flow spline cooling
- High pressure shaft seal
- High flow shaft seal cooling
- High starting torque

Frame size TC	-0036	-0045	-0050	-0065	-0080	-0100	-0130	-0165	-0195	-0230	-0260	-0295	-0330	-0365	-0390
Displacement (cm ³ /rev) (in ³ /rev)	36 2.2	41 2.5	49 3.0	65 4.0	82 5.0	98 6.0	130 8.0	163 10.0	195 11.9	228 13.9	260 15.9	293 17.9	328 20.0	370 22.6	392 24.0
Max cont pressure (Bar) (PSI)	86 1250	86 1250	86 1250	86 1250	86 1250	86 1250	86 1250	86 1250	86 1250	76 1100	66 950	59 850	52 750	45 650	45 650
Max operating speed (rpm)	902	810	688	517	413	460	429	346	287	246	217	193	173	152	144

Frame size TB	-0036	-0045	-0050	-0065	-0080	-0100	-0130	-0165	-0195	-0230	-0260	-0295	-0330	-0365	-0390
Displacement (cm ³ /rev) (in ³ /rev)	36 2.2	41 2.5	49 3.0	65 4.0	82 5.0	98 6.0	130 8.0	163 10.0	195 11.9	228 13.9	260 15.9	293 17.9	328 20.0	370 22.6	392 24.0
Max cont pressure (Bar) (PSI)	124 1800	124 1800	124 1800	124 1800	124 1800	124 1800	124 1800	124 1800	124 1800	103 1500	100 1450	97 1400	93 1350	86 1250	83 1200
Max operating speed (rpm)	932	785	678	511	409	454	430	343	287	246	216	191	171	151	143

Frame size TE	-0036	-0045	-0050	-0065	-0080	-0100	-0130	-0165	-0195	-0230	-0260	-0295	-0330	-0365	-0390
Displacement (cm ³ /rev) (in ³ /rev)	36 2.2	41 2.5	49 3.0	65 4.0	82 5.0	98 6.0	130 8.0	163 10.0	195 12.0	228 14.0	260 16.0	293 18.0	328 20.0	370 22.6	392 24.0
Max cont pressure (Bar) (PSI)	140 2030	140 2000	140 2000	140 2000	140 2000	140 2000	140 2000	140 2000	140 2000	123 1750	116 1650	109 1550	102 1450	93 1325	88 1250
Max operating speed (rpm)	1141	1024	1020	877	695	582	438	348	292	328	287	256	228	203	191

Torqmotor™ Medium Frame

www.parker.com/hyd/tj



TJ

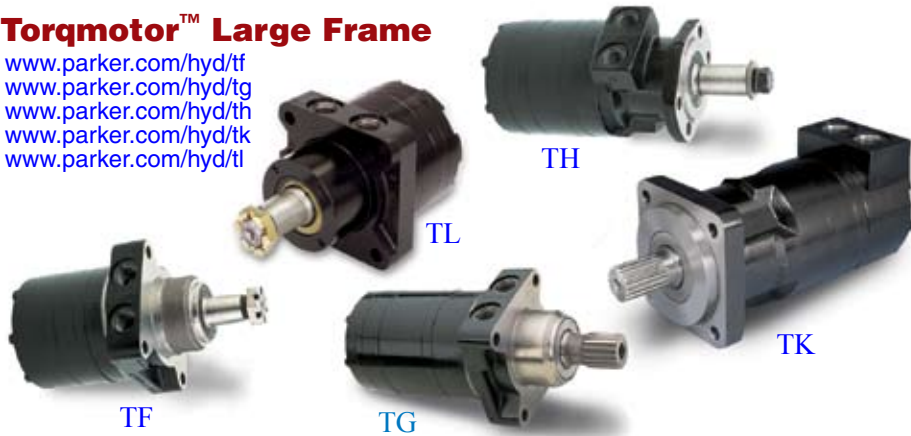
- High volumetric efficiency
- Full flow spline cooling
- High pressure shaft seal
- High flow shaft seal cooling
- High starting torque
- High side load capacity
- Long life

Frame size TJ	-0045	-0050	-0065	-0080	-0100	-0130	-0165	-0195	-0230	-0260	-0295	-0330	-0365	-0390
Displacement (cm ³ /rev) (in ³ /rev)	41 2.5	49 3.0	65 4.0	82 5.0	98 6.0	130 8.0	163 10.0	195 12.0	228 14.0	260 16.0	293 18.0	328 20.0	370 22.6	392 24.0
Max cont pressure (Bar) (PSI)	140 2030	140 2030	140 2030	140 2030	140 2030	140 2030	140 2030	140 2030	120 1740	110 1595	100 1450	100 1450	95 1378	85 1233
Max operating speed (rpm)	1024	1020	877	695	582	438	348	292	328	287	256	228	203	191

Fixed Displacement Low Speed High Torque Motors

Torqmotor™ Large Frame

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www.parker.com/hyd/tg
www.parker.com/hyd/th
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- High volumetric efficiency
- Full flow spline cooling
- High pressure shaft seal
- High flow shaft seal cooling
- High starting torque
- High side load capacity
- Long life

Frame size TF	-0080	-0100	-0130	-0140	-0170	-0195	-0240	-0280	-0360	-0405	-0475
Displacement (cm ³ /rev) (in ³ /rev)	81 4.9	100 6.1	128 7.8	141 8.6	169 10.3	197 12.0	238 14.5	280 17.1	364 22.2	405 24.7	477 29.1
Max cont pressure (Bar) (PSI)	207 3000	155 2250	138 2000	138 2000	138 2000	138 2000	138 2000	138 2000	130 1880	128 1850	113 1645
Max operating speed (rpm)	693	749	583	530	444	381	394	334	258	231	195

Frame size TL	-0140	-0170	-0195	-0240	-0280	-0310	-0360
Displacement (cm ³ /rev) (in ³ /rev)	140 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	364 22.2
Max cont pressure (Bar) (PSI)	190 2750	190 2750	190 2750	190 2750	190 2750	190 2750	172 2500
Max operating speed (rpm)	613	512	484	399	335	310	255

Frame size TG	-0140	-0170	-0195	-0240	-0280	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm ³ /rev) (in ³ /rev)	141 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	337 20.6	405 24.7	477 29.1	528 32.3	623 38.0	786 48.0	959 58.5
Max cont pressure (Bar) (PSI)	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	172 2500	138 2000	138 2000	121 1750	103 1500	69 1000
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118

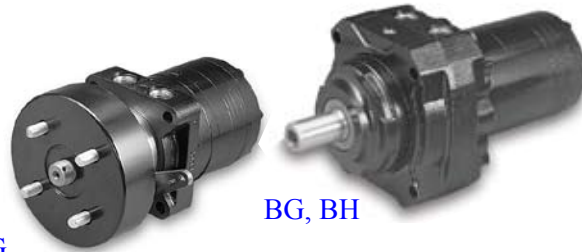
Frame size TH	-0140	-0170	-0195	-0240	-0280	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm ³ /rev) (in ³ /rev)	141 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	337 20.6	405 24.7	477 29.1	528 32.3	623 38.0	786 48.0	959 58.5
Max cont pressure (Bar) (PSI)	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	172 2500	138 2000	138 2000	121 1750	103 1500	69 1000
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118

Frame size TK	-0250	-0315	-0400	-0500	-0630	-0800	-1000
Displacement (cm ³ /rev) (in ³ /rev)	250 15.3	315 19.2	400 24.4	500 30.5	630 38.4	800 48.8	1000 61
Max cont pressure (Bar) (PSI)	241 3500	241 3500	207 3000	207 3000	207 3000	190 2750	172 2500
Max operating speed (rpm)	523	413	373	298	237	276	218



Torqmotor™ and Brake Motors

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www.parker.com/hyd/dg
www.parker.com/hyd/df
www.parker.com/hyd/bh



DF, DG

BG, BH

- High volumetric efficiency
- Full flow spline cooling
- High pressure shaft seal
- High flow shaft seal cooling
- High starting torque
- High side load capacity
- Long life

Mechanical Brakes

Frame size DF	-0080	-0100	-0130	-0140	-0170	-0195	-0240	-0280	-0360	-0405	-0475
Displacement (cm ³ /rev) (in ³ /rev)	81 4.9	100 6.1	128 7.8	141 8.6	169 10.3	197 12.0	238 14.5	280 17.1	364 22.2	405 24.7	477 29.1
Max cont pressure (Bar) (PSI)	207 3000	155 2250	138 2000	138 2000	138 2000	138 2000	138 2000	138 2000	130 1880	128 1850	113 1645
Max operating speed (rpm)	693	749	583	530	444	381	394	334	258	231	195

Max holding torque: 497 Nm (4400 in lbs)

Frame size DG	-0140	-0170	-0195	-0240	-0280	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm/rev) (in/rev)	141 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	337 20.6	405 24.7	477 29.1	528 32.3	623 38.0	786 48.0	959 58.5
Max cont pressure (Bar) (PSI)	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	172 2500	138 2000	138 2000	121 1750	103 1500	69 1000
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118

Max holding torque: 497 Nm (4400 in lbs)

Spring Applied, Hydraulically Released Brakes

Frame size BG	-0140	-0170	-0195	-0240	-0280	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm/rev) (in/rev)	141 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	337 20.6	405 24.7	477 29.1	528 32.3	623 38.0	786 48.0	959 58.5
Max cont pressure (Bar) (PSI)	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	172 2500	138 2000	138 2000	121 1750	103 1500	69 1000
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118

Rated holding capacity: 1350 Nm (12,000 in lbs)

Frame size BH	-0140	-0170	-0195	-0240	-0280	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm/rev) (in/rev)	141 8.6	169 10.3	195 11.9	238 14.5	280 17.1	310 18.9	337 20.6	405 24.7	477 29.1	528 32.3	623 38.0	786 48.0	959 58.5
Max cont pressure (Bar) (PSI)	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	207 3000	172 2500	138 2000	138 2000	121 1750	103 1500	69 1000
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118

Rated holding capacity: 1800 Nm (16,000 in lbs)