

Fixed Displacement Low Speed High Torque Motors

TC



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

Frame size TC	-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 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	76 1100	66 950	59 850	52 750	45 650	45 650
Max op speed (RPM)	810	688	517	413	460	429	346	287	246	217	193	173	152	144

TB



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

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
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
Max op speed (RPM)	932	785	678	511	409	454	430	343	287	246	216	191	171	151

TE



- High volumetric efficiency
- Full flow spline cooling
- High pressure shaft seal
- High flow shaft seal cooling
- High starting torque
- High side load capacity
- Balanced performance in both directions of rotation
- Long life

Frame size TE	-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 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 op speed (RPM)	1024	1020	877	695	582	438	348	292	328	287	256	228	203	191

Motors Fixed Displacement Low Speed High Torque

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 op speed (RPM)	1024	1020	877	695	582	438	348	292	328	287	256	228	203	191

TF



- 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 op speed (RPM)	693	749	583	530	444	381	394	334	258	231	195

TG



- 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 TG	-0140	-0170	-0195	-0290	-0295	-0310	-0335	-0405	-0475	-0530	-0625	-0785	-0960
Displacement (cm ³ /rev) (in ³ /rev)	140 8.6	169 10.3	195 11.9	237 14.5	280 17.1	310 18.9	337 20.6	405 24.7	476 29.1	529 32.3	624 38.0	786 48.0	958 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 op speed (RPM)	660	554	477	393	334	303	277	232	237	213	182	143	118