

Motors - Fixed Displacement

Gerotor

TE



TF



TG



TH



- High volumetric efficiency
- Full flow spline cooling
- High pressure shaft seal / no drainline
- High flow shaft seal cooling
- High starting torque
- High side load capacity
- Long life
- Balanced performance in both directions of rotation (TE)
- Very compact design (TL)

TL



Frame size TE	0036	0045	0050	0065	0080	0100	0130	0165	0195
Displacement (cm ³ /rev)	36	41	49	65	82	98	130	163	195
Max cont pressure (bar)	140	140	140	140	140	140	140	140	140
Max operating speed (rpm)	1141	1024	1020	877	695	582	438	348	292
Max cont output torque (Nm)	55	71	90	125	160	190	255	310	390
Weight (kg)	6.7	6.8	6.9	7.0	7.1	7.2	7.6	7.8	8.1

Frame size TE	0230	0260	0295	0330	0365	0390
Displacement (cm ³ /rev)	228	260	293	328	370	392
Max cont pressure (bar)	120	110	100	100	95	85
Max operating speed (rpm)	328	287	256	228	203	191
Max cont output torque (Nm)	380	400	428	443	467	445
Weight (kg)	8.3	8.6	8.8	9.1	9.4	9.6

Frame size TF	0080	0100	0130	0140	0170	0195	0240	0280	0360	0405	0475
Displacement (cm ³ /rev)	81	100	128	141	169	197	238	280	364	405	477
Max cont pressure (bar)	207	155	138	138	138	138	138	138	130	128	113
Max operating speed (rpm)	693	749	583	530	444	381	394	334	258	231	195
Max cont output torque (Nm)	220	195	230	255	315	365	425	510	595	655	680
Weight (kg)	14.0	14.0	14.2	14.3	14.6	14.9	15.3	15.6	16.3	17.0	17.5

Frame size TL	0140	0170	0195	0240	0280	0310	0360
Displacement (cm ³ /rev)	140	169	195	238	280	310	364
Max cont pressure (bar)	190	190	190	190	190	190	172
Max operating speed (rpm)	613	512	484	399	335	310	255
Max cont output torque (Nm)	364	449	511	620	730	847	890
Weight (kg)	10.9	11.1	11.4	11.8	12.2	12.4	12.9

Frame size TG	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Displacement (cm ³ /rev)	141	169	195	238	280	310	337	405	477	528	623	786	959
Max cont pressure (bar)	207	207	207	207	207	207	207	172	138	138	121	103	69
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118
Max cont output torque (Nm)	390	475	555	675	795	924	965	940	885	980	985	1045	775
Weight (kg)	14.6	14.8	15.1	15.5	15.9	16.1	16.3	16.9	17.5	18.3	19.0	20.5	22.2

Frame size TH	0140	0170	0195	0240	0280	0310	0335	0405	0475	0530	0625	0785	0960
Displacement (cm ³ /rev)	141	169	195	238	280	310	337	405	477	528	623	786	959
Max cont pressure (bar)	207	207	207	207	207	207	207	172	138	138	121	103	69
Max operating speed (rpm)	660	554	477	393	334	303	277	232	237	213	182	143	118
Max cont output torque (Nm)	390	475	555	675	795	924	965	940	885	980	985	1045	775
Weight (kg)	16.9	17.2	17.4	17.8	18.2	18.4	18.6	19.2	19.8	20.6	21.3	22.9	24.5

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TK



- High volumetric efficiency
- Flow through internal spline and shaft seal cooling
- High pressure shaft seal / no drainline
- High starting torque
- High side load capacity
- Long life

Frame size TK	0250	0315	0400	0500	0630	0800	1000	
Displacement (cm ³ /rev)	250	315	400	500	630	800	1000	
Max cont pressure (bar)	241	241	207	207	207	190	172	
Max operating speed (rpm)	523	413	373	298	237	276	218	
Max cont output torque (Nm)	814	1029	1153	1439	1617	1916	2413	
Weight (kg)	30.8	31.4	32.3	33.2	34.5	36.0	37.9	