



Aeromax helical geared motors

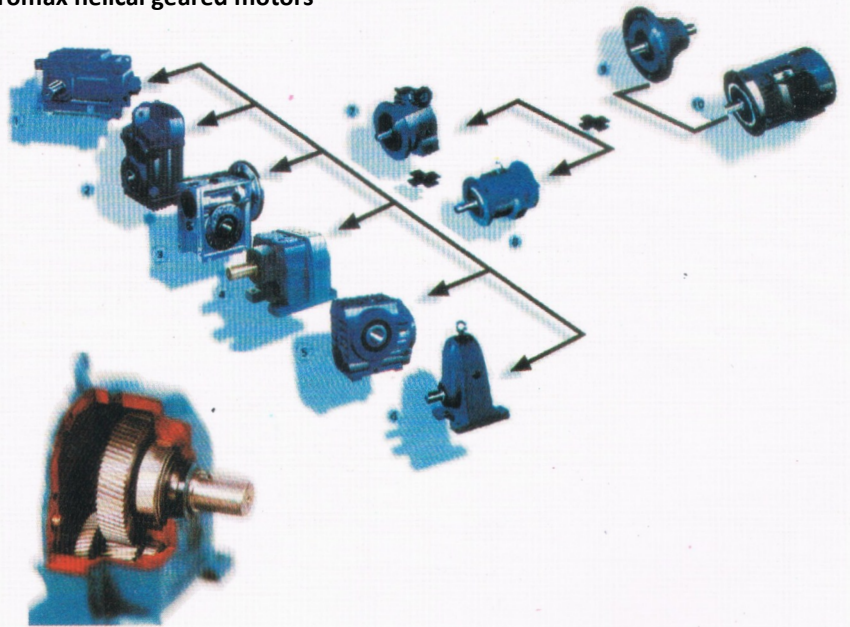




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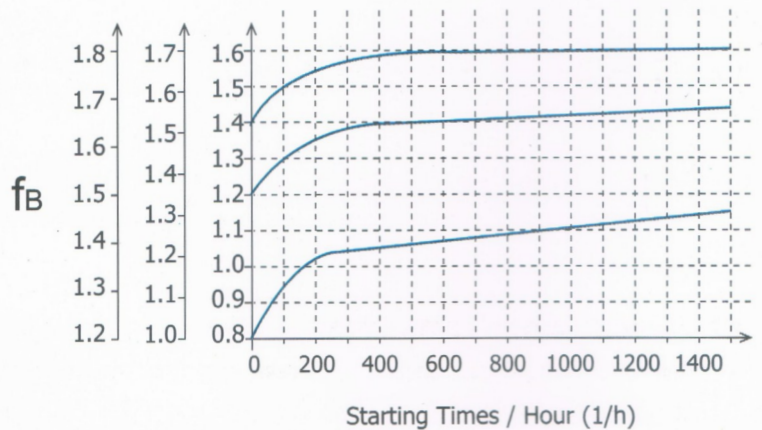
i Main Characteristics :

- ~ Strong and rigid in construction
- ~ Compact and small in size
- ~ High torque output and smooth power transmission
- ~ Gear cases are made from high tensile iron, gears from high grade steel alloy
- ~ Modular design, with high flexibility in gear construction and installation
- ~ Modular combination offers various types of driving motors and different types of mounting
- ~ Wide selection of reduction ratios for various application
- ~ Various sizes of driving motors can be used
- ~ High transmission efficiency due to fine machining and high grade materials
- ~ Quiet transmission, low vibration, long life



i Selection of Geared Motor :

- ~ Before selecting a model, we need to know exactly the load Classification (as shown in the table below) and working condition of the application.
- ~ We will have to base on the number of operating hours in a day, and the number of starting times in every hour of the application to determine the suitable Service Factor f_B as stated in the Selection Table of this catalogue, so that the service factor $f_B >$ Working Factor f_B as shown in the figure at the right hand side.
- ~ Besides our standard products, we can also provide service to customers to specially design the motors to meet customer requirement.



i Load Classification for Various Application :

Application		Load Classification
Mixers	liquid	I
	liquid and solid	II
	dense liquid	
Blowers	centrifugal	I
	blades	II
	sirocco	
Air Compressors	centrifugal	I
	rotary	II
	piston, multi cylinders	III
	piston, 1 cylinder	
Conveyors (even load)	plate type	I
	bucket type	
	Belt & chain type	
	rotary type	
Conveyors (heavy and uneven load)	plate type	II
	Belt & chain type	
	Reciprocating type	
	rotary type	III
	vibrator type	

Application		Load Classification
Plastic Extruders	thin films	I
	rods	
	pipes	
Rollers	blower	II
	heavy duty	III
	normal duty	II
	Stone crushers	III
	Hammer crushers	
	Concrete mixers	
Petroleum Industry	press, filter	II
	refrigerator	
Rubber and Plastic Industries	crusher	III
	mixer	
	refiner	II
	press, roller	
Textile Industries	weaving	II
	knitting	
	washing	
Tobacco Industry	cutting	

Note on Load Classification :

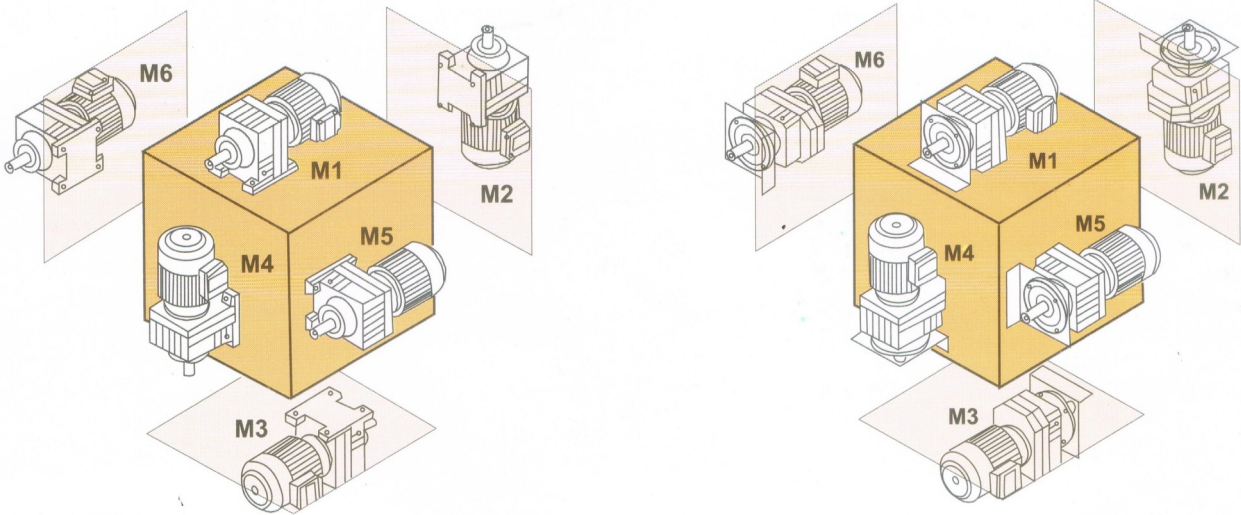
I : Even Load, II : Moderate Load, III : Heavy Shock Load



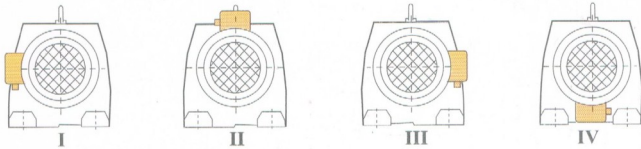
Aeromax helical geared motors

Type of Mounting :

Possible types of mounting for various applications :



Various types of Terminal Box Positions :



When viewed from fan cover of the driving motor :

- I : At the left hand side
- II : At the top
- III : At the right hand side
- IV : At the bottom

i Precautions on Installation :

Before installing the reducers, it is necessary to note the following recommendations :

- ~ Check the correct direction of rotation of the output shaft of the reducer before fitting to the machine.
- ~ The mounting base on the machine must be stable to avoid vibration.
- ~ In case of long period of storage (such as over four month), and if the oil seal is not immersed in the lubricant inside the reducer, it is recommended to change the oil seal before installation.
- ~ Whenever possible, protect the gear reducer against solar radiation and extreme weather (above 40 °C).
- ~ Ensure that there is good ventilation for cooling of the driving motor of the reducer.
- ~ For reducers equipped with oil plugs, replace the closed plugs used for shipping with special air breather plugs.
- ~ Check the correct level of the lubricant through the indicator, if there is any

Input Power and Permitted Torque :

Models	18	28	38	48	58	68	78	88	98	108	138	148	168
Types	TR						TRF						
Input power (kW)	0.18-0.75	0.18-3	0.18-3	0.18-5.5	0.18-7.5	0.18-7.5	0.18-11	0.55-22	0.55-30	2.2-45	5.5-55	11-90	11-160
Reduction Ratio	3.83-74.84	3.37-135.09	3.41-134.82	3.83-176.88	4.39-186.89	4.29-199.81	5.21-195.24	5.36-246.54	4.49-289.60	5.06-245.5	5.15-223.34	5.00-163.46	8.77-196.41
Permitted Torque (N.m)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000

Volume of Lubricants :

Models	Volume of Lubricant (liters)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
TR18	0.25	0.6	0.35	0.6	0.35	0.35
TR28	0.25/0.4	0.7	0.4	0.7	0.4	0.4
TR38	0.3/1	0.9	1	1.1	0.8	1
TR48	0.7/1.5	1.6	1.5	1.7	1.5	1.5
TR58	0.8/1.7	1.9	1.7	2.1	1.7	1.7
TR68	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
TR78	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4

Models	Volume of Lubricant (liters)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
TR88	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
TR98	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
TR108	6/13.7	16.3	16.9	19.2	13.2	15.9
TR138	10/25	28	29.5	31.5	25	25
TR148	15.4/40	46.5	48	52	39.5	41
TR168	27/70	82	78	88	66	69



Aeromax helical geared motors

r/min	Nm	i	f _B	Type	p
0.18kW					
7.0	232	199.81	2.4		
7.6	214	184.07	2.6		
8.8	184	158.14	3.1	TR 68	4
10	160	137.67	3.5	TRF68	4
11	150	128.97	3.8		
12	132	113.94	4.3		
13	123	105.83	4.6		
4.5	355	186.89	1.19		
4.9	327	172.17	1.29	TR 58	6
5.7	281	147.92	1.50	TRF58	6
6.6	245	128.77	1.73		
7.0	229	120.63	1.84		
7.4	217	186.89	1.95		
8.1	200	172.17	2.1		
9.4	172	147.92	2.5		
11	150	128.77	2.8	TR 58	4
12	140	120.63	3.0	TRF58	4
13	124	106.58	3.4		
14	115	98.99	3.7		
15	104	89.71	4.1		
7.9	206	176.88	1.37		
8.5	189	162.94	1.49		
9.9	163	139.99	1.73		
11	142	121.87	1.99	TR 48	4
12	133	114.17	2.1	TRF48	4
14	117	100.86	2.4		
15	109	93.68	2.6		
16	99	84.90	2.9		
18	89	76.23	3.2		
6.9	235	123.66	0.80		
8.1	200	105.28	0.94	TR 38	6
9.4	173	90.77	1.09	TRF38	6
10	161	84.61	1.17		
10	157	134.82	1.20		
11	144	123.66	1.31		
13	122	105.28	1.54		
15	106	90.77	1.78		
16	98	84.61	1.91	TR 38	4
19	86	73.96	2.2	TRF38	4
20	81	69.33	2.3		
23	71	61.18	2.6		
25	65	55.76	2.9		
29	56	48.08	3.4		
11	144	123.91	0.85		
13	123	105.49	1.00		
15	106	90.96	1.16		
16	99	84.78	1.24		
19	86	74.11	1.42		
20	81	69.47	1.51		
23	71	61.30	1.71		
25	65	55.87	1.88		
29	56	48.17	2.2		
31	52	44.90	2.3		
35	46	39.25	2.7	TR 28	4
38	44	36.79	2.8	TRF28	4
43	39	32.47	3.2		
48	34	28.78	3.6		
57	29	24.47	4.2		
49	34	28.37	3.6		
53	31	26.09	3.9		
62	26	22.32	4.6		
72	23	19.35	5.3		
77	21	18.08	5.7		
89	19	15.63	6.6		
105	16	13.28	7.8		

r/min	Nm	i	f _B	Type	p
0.18kW					
37	45	23.13	1.78	TR 18	6
40	41	21.22	1.94	TRF18	6
47	35	18.06	2.28		
19	87	74.84	0.92		
22	75	64.52	1.07		
23	70	60.14	1.14		
26	61	52.57	1.31		
28	57	49.28	1.39		
32	51	43.49	1.58		
34	47	40.49	1.70		
39	41	35.40	1.94		
42	39	33.18	2.07		
47	34	29.28	2.3		
54	30	25.96	2.6		
60	27	23.13	2.9		
63	26	22.06	3.1		
66	25	21.22	3.2		
77	21	18.06	3.7	TR 18	4
89	18	15.57	4.3	TRF18	4
96	17	14.52	4.6		
110	15	12.69	5.3		
117	14	11.89	5.7		
132	12	10.5	6.1		
149	11	9.31	6.5		
176	9	7.91	7.2		
184	9	7.55	5.9		
197	8	7.04	6.2		
226	7	6.15	7.0		
241	7	5.76	7.3		
273	6	5.09	7.9		
308	5	4.51	8.4		
363	4.5	3.83	10		
140	12	6.07	3.4		
164	10	5.18	6.9	TRX 68	6
188	9.0	4.53	8.6	TRXF68	6
198	8.5	4.30	8.8		
229	7.4	6.07	5.5		
268	6.3	5.18	11		
307	5.5	4.53	14		
323	5.2	4.30	14		
369	4.6	3.77	18	TRX 68	4
434	3.9	3.20	24	TRXF68	4
481	3.5	2.89	28		
547	3.1	2.54	36		
579	2.9	2.40	40		
681	2.5	2.04	51		
0.37kW					
5.1	651	166.59	1.18	TR 78	6
5.8	569	145.67	1.35	TRF78	6
6.1	541	138.39	1.43		
7.1	467	195.24	1.65		
8.3	398	166.59	1.94		
9.5	348	145.67	2.2	TR 78	4
10	331	138.39	2.3	TRF78	4
11	290	121.42	2.7		
13	246	102.99	3.1		
15	222	92.97	3.47		
5.4	618	158.14	0.91		
6.2	538	137.67	1.05	TR 68	6
6.6	504	128.97	1.12	TRF68	6
7.5	445	113.94	1.27		
7.0	477	199.81	1.18	TR 68	4
7.6	440	184.07	1.28	TRF68	4
8.8	378	158.14	1.49		

r/min	Nm	i	f _B	Type	p
0.37kW					
10	329	137.67	1.71		
11	308	128.97	1.83		
12	272	113.94	2.1		
13	253	105.83	2.2		
14	229	95.91	2.5	TR 68	4
16	206	86.11	2.7	TRF68	4
19	177	74.17	3.2		
20	167	69.75	3.4		
23	146	61.26	3.9		
24	136	56.89	4.1		
6.6	503	128.77	0.84		
7.0	471	120.63	0.90	TR 58	6
8.0	416	106.58	1.02	TRF58	6
8.6	387	98.99	1.09		
7.4	447	186.89	0.95		
8.1	411	172.17	1.03		
9.4	353	147.92	1.20		
11	308	128.77	1.37		
12	288	120.63	1.47		
13	255	106.58	1.66		
14	237	98.99	1.79	TR 58	4
15	214	89.71	1.97	TRF58	4
17	192	80.55	2.2		
20	165	69.23	2.6		
21	155	64.85	2.7		
24	137	57.29	3.1		
26	127	53.22	3.3		
29	115	48.23	3.7		
9.9	335	139.99	0.84		
11	291	121.87	0.97		
12	273	114.17	1.03		
14	241	100.86	1.17		
15	224	93.68	1.26		
16	203	84.90	1.39		
18	182	76.23	1.55		
20	164	68.54	1.72		
22	153	64.21	1.84		
25	136	56.73	2.1	TR 48	4
26	126	52.69	2.2	TRF48	4
29	114	47.75	2.5		
32	102	42.87	2.8		
38	88	36.93	3.2		
40	83	34.73	3.4		
41	81	33.79	2.8		
45	74	31.12	2.8		
52	64	26.74	4.4		
60	56	23.28	5.1		
64	52	21.81	5.4		
15	217	90.77	0.87		
16	202	84.61	0.93		
19	177	73.96	1.06		
20	166	69.33	1.13		
23	146	61.18	1.29		
25	133	55.76	1.41		
29	115	48.08	1.64	TR 38	4
31	107	44.81	1.76	TRF38	4
35	94	39.17	2.0		
38	88	36.72	2.1		
43	77	32.40	2.4		
48	69	28.73	2.7		
57	58	24.42	3.2		
49	68	28.32	2.8		
53	62	26.03	2.8		
62	53	22.27	3.5		
72	46	19.31	4.1		
77	43	18.05	4.4		
89	38	15.60	4.9		
105	32	13.25	5.5		
117	29	11.83	6.0		



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r/min	Nm	i	fb	Type	p
0.37kW					
23	146	61.30	0.83		
25	134	55.87	0.92		
29	115	48.17	1.06		
31	107	44.90	1.14		
35	94	39.25	1.30		
38	88	36.79	1.39		
43	78	32.47	1.57		
48	69	28.78	1.78	TR 28	4
57	58	24.47	2.1	TRF28	4
49	68	28.37	1.80		
53	62	26.09	1.96		
62	53	22.32	2.3		
72	46	19.35	2.6		
77	43	18.08	2.8		
89	37	15.63	3.3		
105	32	13.28	3.9		
39	85	35.40	0.94		
42	79	33.18	1.01		
47	70	29.28	1.14		
54	62	25.96	1.29		
63	53	22.06	1.52		
60	55	23.13	1.45		
66	51	21.22	1.58		
77	43	18.06	1.85		
89	37	15.57	2.1		
96	35	14.52	2.3		
110	30	12.69	2.6	TR 18	4
117	28	11.89	2.8	TRF18	4
132	25	10.50	3.0		
149	22	9.31	3.3		
176	19	7.91	3.6		
184	18	7.55	2.9		
197	17	7.04	3.1		
226	15	6.15	3.5		
241	14	5.76	3.6		
273	12	5.09	3.9		
308	11	4.51	4.2		
363	9.2	3.83	4.6		
164	21	5.18	3.3		
188	18	4.53	4.2	TRX 68	6
198	18	4.30	4.3	TRXF68	6
225	15	3.77	5.3		
229	15	6.07	2.7		
268	13	5.18	5.5		
307	11	4.53	6.8		
323	11	4.30	7.0		
369	9.4	3.77	8.7	TRX 68	4
434	8.0	3.20	12	TRXF68	4
481	7.2	2.89	14		
547	6.3	2.54	18		
579	6.0	2.40	19		
681	5.1	2.04	25		
0.75kW					
3.6	1901	256.89	1.49	TR 98	6
3.8	1782	240.83	1.58	TRF98	6
4.2	1598	215.94	1.76		
4.8	1403	289.60	2.0		
5.4	1244	256.89	2.3		
5.8	1167	240.83	2.4	TR 98	4
6.4	1046	215.94	2.7	TRF98	4
7.5	901	185.97	3.1		
8.2	819	169.06	3.4		
4.2	1602	216.54	0.91	TR 88	6
4.4	1522	205.71	0.96	TRF88	6
5.0	1345	181.77	1.08		

r/min	Nm	i	fb	Type	p
0.75kW					
5.9	1149	155.34	1.27	TR 88	6
6.4	1054	142.41	1.38	TRF88	6
5.6	1194	246.54	1.22		
6.4	1049	216.54	1.39		
6.8	996	205.71	1.46		
7.6	880	181.77	1.65		
8.9	752	155.34	1.94	TR 88	4
9.8	690	142.41	2.1	TRF88	4
11	605	124.97	2.4		
12	574	118.43	2.5		
13	502	103.65	2.9		
15	452	93.38	3.2		
8.3	807	166.59	0.96		
9.5	706	145.67	1.09		
10	670	138.39	1.15		
11	588	121.42	1.31		
13	499	102.99	1.55		
15	450	92.97	1.71	TR 78	4
17	396	81.80	1.95	TRF78	4
18	375	77.24	2.1		
21	319	65.77	2.4		
25	273	56.38	2.8		
27	247	50.90	3.1		
31	217	44.78	3.6		
33	205	42.29	3.8		
11	625	128.97	0.90		
12	552	113.94	1.02		
13	513	105.83	1.10		
14	465	95.91	1.21		
16	417	86.11	1.35	TR 68	4
19	359	74.17	1.57	TRF68	4
20	338	69.75	1.67		
23	297	61.26	1.90		
24	276	56.89	2.0		
27	250	51.56	2.3		
30	224	46.29	2.5		
13	516	106.58	0.82		
14	479	98.99	0.88		
15	435	89.71	0.97		
17	390	80.55	1.08		
20	335	69.23	1.26		
21	314	64.85	1.35		
24	277	57.29	1.52		
26	258	53.22	1.64	TR 58	4
29	234	48.23	1.81	TRF58	4
32	210	43.30	2.0		
37	181	37.30	2.3		
40	170	35.07	2.5		
46	146	30.18	2.9		
52	131	26.97	3.2		
53	130	26.31	3.3		
56	124	24.99	3.4		
63	108	21.93	3.9		
75	92	18.60	4.6		
20	332	68.54	0.85		
22	311	64.21	0.91		
25	275	56.73	1.03		
26	255	52.69	1.10		
29	231	47.75	1.22		
32	208	42.87	1.36	TR 48	4
38	179	36.93	1.58	TRF48	4
40	168	34.73	1.68		
47	145	29.88	1.95		
52	129	26.70	2.2		
59	114	23.59	2.5		
52	130	26.74	2.2		
60	113	23.28	2.5		

r/min	Nm	i	fb	Type	p
0.75kW					
64	106	21.81	2.7		
72	93	19.27	3.0	TR 48	4
78	87	17.89	3.1	TRF48	4
86	79	16.22	3.3		
29	233	48.08	0.81		
31	217	44.81	0.87		
35	190	39.17	0.99		
38	178	36.72	1.06		
43	157	32.40	1.20		
48	139	28.73	1.35		
57	118	24.42	1.59	TR 38	4
62	110	22.27	1.71	TRF38	4
72	96	19.31	1.97		
77	89	18.05	2.1		
89	77	15.60	2.4		
105	66	13.25	2.7		
117	59	11.83	2.9		
137	50	10.11	3.2		
147	47	9.47	3.4		
48	139	28.78	0.88		
57	119	24.47	1.03		
62	110	22.32	1.11		
72	96	19.35	1.28		
77	89	18.08	1.37		
89	77	15.63	1.58		
105	66	13.28	1.86	TR 28	4
117	59	11.86	2.1	TRF28	4
137	50	10.13	2.3		
148	47	9.41	2.5		
170	40	8.16	2.7		
182	38	7.63	2.8		
211	33	6.59	3.1		
248	28	5.60	3.4		
278	25	5.00	3.6		
77	89	18.06	0.89		
89	77	15.57	1.04		
96	72	14.52	1.11		
110	63	12.69	1.27		
117	59	11.89	1.36		
132	52	10.50	1.47		
149	46	9.31	1.57	TR 18	4
176	39	7.91	1.73	TRF18	4
184	37	7.55	1.41		
197	35	7.04	1.48		
226	30	6.15	1.67		
241	28	5.76	1.75		
273	25	5.09	1.90		
308	22	4.51	2.0		
363	19	3.83	2.2		
201	35	4.53	2.2		
212	33	4.30	2.3	TRX 68	6
241	29	3.77	2.8	TRXF68	6
284	25	3.20	3.8		
1.5kW					
5.4	2417	256.89	1.14		
5.8	2316	240.83	1.22		
6.5	2077	215.94	1.36		
7.5	1789	185.97	1.58		
8.3	1626	169.06	1.73	TR 98	4
9.3	1450	150.78	1.94	TRF98	4
11	1219	126.75	2.3		
12	1120	116.48	2.5		
14	995	103.44	2.8		
15	889	92.48	3.2		



Aeromax helical geared motors

r/min	Nm	i	f _B	Type	p
1.5kW					
7.7	1748	181.77	0.83		
9.0	1494	155.34	0.98		
9.8	1370	142.41	1.06		
11	1202	124.97	1.21		
12	1139	118.43	1.28		
14	997	103.65	1.46		
15	898	93.38	1.62	TR 88	4
17	788	81.92	1.85	TRF88	4
19	696	72.37	2.1		
22	611	63.50	2.4		
23	579	60.18	2.5		
27	507	52.67	2.9		
30	456	47.75	3.2		
34	400	41.63	3.6		
38	353	36.73	4.1		
15	894	92.97	0.86		
17	787	81.80	0.98		
18	743	77.24	1.04		
21	633	65.77	1.22		
25	542	56.38	1.42		
28	490	50.90	1.57		
31	431	44.78	1.79	TR 78	4
33	407	42.29	1.90	TRF78	4
39	346	36.01	2.2		
43	315	32.72	2.4		
49	273	28.35	2.8		
57	237	24.67	3.1		
60	225	23.37	3.4		
65	206	21.43	3.7		
74	181	18.80	4.1		
23	589	61.26	0.96		
25	547	56.89	1.03		
27	496	51.56	1.14		
30	445	46.29	1.27		
35	384	39.88	1.47		
37	361	37.50	1.56	TR 68	4
43	310	32.27	1.82	TRF68	4
49	277	28.83	2.0		
50	276	28.13	2.0		
52	262	26.72	2.1		
60	230	23.44	2.4		
70	195	19.89	2.9		
78	176	17.95	3.2		
26	523	53.22	0.8		
29	474	48.23	0.9		
32	425	43.30	1.0		
38	366	37.30	1.15		
40	344	35.07	1.23		
46	296	30.18	1.43		
52	265	26.97	1.60	TR 58	4
53	258	26.31	1.64	TRF58	4
56	245	24.99	1.72		
64	215	21.93	1.96		
75	183	18.60	2.3		
83	165	16.79	2.6		
95	145	14.77	2.8		
100	137	13.95	2.9		
118	117	11.88	3.3		
1.5kW					
38	355	36.93	0.8		
40	334	34.73	0.84		
47	287	29.88	0.98	TR 48	4
52	257	26.70	1.1	TRF48	4
59	227	23.59	1.2		
60	224	23.28	1.26		
64	210	21.81	1.34		

r/min	Nm	i	f _B	Type	p
1.5kW					
73	185	19.27	1.50		
78	172	17.89	1.58		
86	156	16.22	1.66		
96	140	14.56	1.8		
112	121	12.54	1.9		
119	113	11.79	2.0		
138	98	10.15	2.2		
154	87	9.07	2.4	TR 48	4
175	77	8.01	2.5	TRF48	4
180	75	7.76	2.1		
201	67	6.96	2.2		
233	58	6.00	2.5		
248	54	5.64	2.7		
289	47	4.85	3.0		
323	42	4.34	3.3		
366	37	3.83	3.7		
73	186	19.31	1.01		
78	174	18.05	1.08		
90	150	15.60	1.25		
106	127	13.25	1.40		
118	114	11.83	1.51		
138	97	10.11	1.64		
148	91	9.47	1.72	TR 38	4
176	77	7.97	1.91	TRF38	4
210	64	6.67	2.1		
247	55	5.67	2.4		
277	49	5.06	2.6		
324	42	4.32	2.9		
346	39	4.05	2.9		
411	33	3.41	3.2		
90	150	15.63	0.81		
105	128	13.28	0.96		
118	114	11.86	1.06		
138	97	10.13	1.18		
172	78	8.16	1.39		
183	73	7.63	1.43	TR 28	4
212	63	6.59	1.57	TRF28	4
250	54	5.60	1.73		
280	48	5.00	1.86		
328	41	4.27	1.99		
350	38	4.00	2.1		
415	32	3.37	2.3		
249	54	5.63	1.91		
262	51	5.35	1.88		
296	45	4.73	2.5		
347	39	4.04	3.5	TRX 78	4
378	36	3.70	4.0	TRXF78	4
431	31	3.25	5.5		
455	30	3.08	6.1		
519	26	2.70	7.8		
576	23	2.43	8.6		
2.2kW					
5.8	3414	245.50	1.18		
6.3	3145	226.11	1.29		
7.1	2744	200.87	1.45		
8.5	2327	167.29	1.74		
9.1	2170	156.04	1.86	TR 108	4
10	1940	139.47	2.1	TRF108	4
11	1746	125.55	2.3		
12	1581	113.70	2.6		
14	1402	100.82	2.9		
16	1286	91.16	3.2		
6.6	3003	215.94	0.94		
7.6	2586	185.97	1.09	TR 98	4
8.4	2351	169.06	1.20	TRF98	4
9.4	2097	150.78	1.34		

r/min	Nm	i	f _B	Type	p
2.2kW					
11	1763	126.75	1.60		
12	1620	116.48	1.74		
14	1439	103.44	1.96		
15	1286	92.48	2.2		
17	1156	83.15	2.4	TR 98	4
20	1004	72.17	2.8	TRF98	4
22	906	65.12	3.1		
24	832	59.84	3.4		
27	739	53.14	3.8		
30	661	47.51	4.3		
11	1738	124.97	0.84		
12	1647	118.43	0.88		
14	1442	103.65	1.01		
15	1299	93.38	1.12		
17	1139	81.92	1.28		
20	1007	72.37	1.45		
22	883	63.50	1.65		
24	837	60.18	1.74	TR 88	4
27	733	52.67	1.99	TRF88	4
30	660	47.45	2.2		
34	579	41.63	2.5		
39	511	36.73	2.9		
44	453	32.57	3.2		
41	478	34.34	3.0		
45	434	31.22	3.4		
51	387	27.81	3.8		
61	325	23.40	4.5		
66	299	21.51	4.7		
22	915	65.77	0.8		
25	784	56.38	1.0		
28	708	50.90	1.1		
32	623	44.78	1.2		
34	588	42.29	1.31		
39	501	36.01	1.54		
43	455	32.72	1.69	TR 78	4
50	394	28.35	1.95	TRF78	4
58	343	24.67	2.1		
61	325	23.37	2.4		
66	298	21.43	2.6		
76	261	18.80	2.8		
80	248	17.82	3.0		
91	217	15.60	3.2		
101	195	14.05	3.5		
36	555	39.88	0.98		
38	522	37.50	1.03		
44	449	32.27	1.13		
49	401	28.83	1.22		
61	326	23.44	1.61		
71	277	19.89	2.0		
79	250	17.95	2.2	TR 68	4
90	220	15.79	2.4	TRF68	4
95	207	14.91	2.5		
112	177	12.70	2.8		
123	160	11.54	2.9		
142	139	10.00	3.2		
163	121	8.70	3.4		
182	108	7.79	3.3		
38	519	37.30	0.82		
40	488	35.07	0.87		
47	420	30.18	1.01		
53	375	26.97	1.13		
65	305	21.93	1.39	TR 58	4
76	259	18.60	1.64	TRF58	4
85	234	16.79	1.81		
96	205	14.77	1.99		
102	194	13.95	2.1		
120	165	11.88	2.3		
132	150	10.79	2.4		



AEROMAX HELICAL GEARED MOTORS

r/min	Nm	i	fb	Type	p
2.2kW					
152	130	9.35	2.7	TR 58	4
157	126	9.06	2.8	TRF58	4
178	111	7.97	3.0		
74	268	19.27	1.03		
88	226	16.22	1.15		
98	203	14.56	1.23		
113	174	12.54	1.35		
120	164	11.79	1.40		
140	141	10.15	1.53		
157	126	9.07	1.64	TR 48	4
177	111	8.01	1.73	TRF48	4
183	108	7.76	1.42		
204	97	6.96	1.54		
237	83	6.00	1.76		
252	78	5.64	1.86		
293	67	4.85	2.1		
327	60	4.34	2.3		
371	53	3.83	2.5		
91	217	15.60	0.87		
107	184	13.25	0.97		
120	165	11.83	1.05		
140	141	10.11	1.14		
150	132	9.47	1.19	TR 38	4
178	111	7.97	1.32	TRF38	4
213	93	6.67	1.46		
250	79	5.67	1.69		
281	70	5.06	1.80		
329	60	4.32	2.0		
351	56	4.05	2.0		
416	47	3.41	2.2		
140	141	10.13	0.81		
215	92	6.59	1.09		
254	78	5.60	1.19	TR 28	4
284	70	5.00	1.28	TRF28	4
333	59	4.27	1.38		
355	56	4.00	1.44		
421	47	3.37	1.58		
4.0kW					
4.3	8354	223.34	0.90		
5.1	7038	188.16	1.07		
5.5	6523	174.40	1.15		
6.1	5847	156.31	1.29	TR 138	6
6.8	5278	141.12	1.42	TRF138	6
7.5	4794	128.18	1.57		
8.4	4254	113.72	1.77		
9.3	3860	103.2	1.95		
11	3318	88.70	2.3		
9	4172	167.29	0.97		
9	3891	156.04	1.04		
10	3478	139.47	1.16		
11	3131	125.55	1.29		
13	2835	113.70	1.43	TR 108	4
14	2514	100.82	1.61	TRF108	4
16	2273	91.16	1.78		
19	1927	77.26	2.1		
20	1795	72.00	2.3		
22	1616	64.81	2.5		
25	1464	58.69	2.8		
28	1298	52.05	3.1		
12	2905	116.48	0.97		
14	2579	103.44	1.09		
16	2306	92.48	1.22	TR 98	4
17	2073	83.15	1.36	TRF98	4
20	1800	72.17	1.57		
22	1624	65.12	1.74		

r/min	Nm	i	fb	Type	p
4.0kW					
24	1492	59.84	1.89		
27	1325	53.14	2.1		
30	1185	47.51	2.4		
34	1065	42.72	2.6		
39	925	37.08	3.0		
43	828	33.20	3.3	TR 98	4
45	803	32.22	3.0	TRF98	4
54	669	26.84	3.6		
58	624	25.03	4.3		
64	558	22.37	4.6		
71	502	20.14	4.9		
78	455	18.24	6.2		
23	1583	63.5	0.92		
24	1501	60.18	0.97		
27	1313	52.67	1.11		
30	1183	47.45	1.23		
35	1038	41.63	1.40		
39	916	36.73	1.59		
44	812	32.57	1.79		
52	693	27.81	2.1	TR 88	4
42	856	34.34	1.70	TRF88	4
46	779	31.22	1.87		
52	694	27.84	2.1		
62	584	23.40	2.5		
67	536	21.51	2.7		
75	476	19.10	3.1		
84	426	17.08	3.1		
94	383	15.35	3.3		
108	332	13.33	3.6		
121	297	11.93	3.9		
40	898	36.01	0.86		
44	816	32.72	0.94		
51	707	28.35	1.09		
58	615	24.67	1.19		
62	583	23.37	1.32		
67	534	21.43	1.44		
77	469	18.80	1.56		
81	444	17.82	1.65		
92	389	15.60	1.79	TR 78	4
102	350	14.05	1.93	TRF78	4
117	307	12.33	2.1		
132	271	10.88	2.3		
149	240	9.64	2.5		
171	210	8.42	2.8		
190	189	7.59	3.0		
216	166	6.66	3.3		
245	147	5.88	3.5		
276	130	5.21	3.7		
72	496	19.89	1.14		
80	448	17.95	1.24		
91	394	15.79	1.34		
97	372	14.91	1.39		
113	317	12.70	1.54		
125	288	11.54	1.63		
144	249	10.00	1.77	TR 68	4
166	217	8.70	1.91	TRF68	4
185	194	7.79	1.84		
196	184	7.36	1.90		
230	156	6.27	2.0		
253	142	5.70	2.1		
292	123	4.93	2.2		
336	107	4.29	2.4		
77	464	18.60	0.91		
86	419	16.79	1.01		
97	368	14.77	1.11	TR 58	4
103	348	13.95	1.16	TRF58	4
121	296	11.88	1.29		
133	269	10.79	1.36		

r/min	Nm	i	fb	Type	p
4.0kW					
154	233	9.35	1.49		
159	226	9.06	1.56		
181	199	7.97	1.68		
191	188	7.53	1.75	TR 58	4
225	160	6.41	1.97	TRF58	4
247	145	5.82	2.1		
285	126	5.05	2.3		
328	109	4.39	2.4		
142	253	10.15	0.85		
159	226	9.07	0.91		
180	200	8.01	0.96		
207	174	6.96	0.86	TR 48	4
240	150	6.00	0.98	TRF48	4
255	141	5.64	1.04		
297	121	4.85	1.17		
332	108	4.34	1.27		
376	96	3.83	1.42		
5.5kW					
5.9	7960	163.46	1.54		
6.5	7151	146.85	1.71		
8	6133	119.24	2.0	TR 148	6
8.8	5659	110.03	2.2	TRF148	6
10	4865	94.60	2.5		
12	4293	83.47	2.8		
5.6	8790	128.18	0.86		
6.3	7798	113.72	0.96	TR 138	8
7.0	7077	103.2	1.06	TRF138	8
8.1	6083	88.70	1.24		
5.5	8970	174.40	0.84		
6.1	8039	156.31	0.94		
6.8	7258	141.12	1.04	TR 138	6
7.5	6592	128.18	1.14	TRF138	6
8.4	5849	113.72	1.29		
9.3	5308	103.20	1.42		
6.4	7658	223.34	0.98		
7.7	6451	188.16	1.17		
8.3	5980	174.40	1.26		
9.2	5359	156.31	1.40		
10	4839	141.12	1.55		
11	4395	128.18	1.71		
13	3899	113.72	1.93	TR 138	4
14	3538	103.20	2.1	TRF138	4
16	3041	88.70	2.5		
18	2774	80.91	2.7		
20	2520	73.49	3.0		
22	2236	65.20	3.4		
24	2029	59.17	3.7		
28	1744	50.86	4.3		
11	4305	125.55	0.94		
13	3898	113.70	1.04		
14	3457	100.82	1.17		
16	3126	91.16	1.29		
19	2649	77.26	1.54	TR 108	4
20	2469	72.00	1.64	TRF108	4
22	2222	64.81	1.82		
25	2012	58.69	2.01		
28	1785	52.05	2.3		
31	1614	47.06	2.5		
36	1367	39.88	3.0		
17	2851	83.15	0.99		
20	2475	72.17	1.14	TR 98	4
22	2233	65.12	1.26	TRF98	4
24	2052	59.84	1.37		
27	1822	53.14	1.55		



Aeromax helical geared motors

r/min	Nm	i	fb	Type	p
5.5kW					
30	1629	47.51	1.73		
34	1465	42.72	1.93	TR 98	4
39	1271	37.08	2.2	TRF98	4
43	1138	33.20	2.4		
52	944	27.54	2.7		
45	1105	32.22	2.2		
54	920	26.84	2.6		
58	858	25.03	3.1	TR 98	4
64	767	22.37	3.3	TRF98	4
71	691	20.14	3.6		
79	625	18.24	3.8		
89	554	16.17	4.1		
30	1627	47.45	0.90		
35	1427	41.63	1.02		
39	1259	36.73	1.16		
44	1117	32.57	1.30		
52	954	27.81	1.53		
52	955	27.84	1.53		
62	802	23.40	1.82		
67	738	21.51	2.0	TR 88	4
75	655	19.10	2.1	TRF88	4
84	586	17.08	2.2		
94	526	15.35	2.4		
108	457	13.33	2.6		
121	409	11.93	2.8		
145	339	9.90	3.3		
156	317	9.25	3.6		
173	285	8.32	3.8		
199	248	7.22	4.1		
77	645	18.80	1.14		
81	611	17.82	1.20		
92	535	15.60	1.30		
102	482	14.05	1.40		
117	423	12.33	1.53		
132	373	10.88	1.66	TR 78	4
149	331	9.64	1.79	TRF78	4
171	289	8.42	2.1		
190	260	7.59	2.2		
216	228	6.66	2.4		
245	202	5.88	2.52		
276	179	5.21	2.68		
91	541	15.79	0.97		
97	511	14.91	1.01		
113	435	12.70	1.12		
125	396	11.54	1.19		
144	343	10.00	1.29		
166	298	8.70	1.39	TR 68	4
185	267	7.79	1.34	TRF68	4
196	252	7.36	1.38		
230	215	6.27	1.44		
253	195	5.70	1.49		
292	169	4.93	1.61		
336	147	4.29	1.73		
97	506	14.77	0.81		
103	478	13.95	0.85		
121	407	11.88	0.93		
133	370	10.79	0.99		
154	321	9.35	1.08	TR 58	4
181	273	7.97	1.22	TRF58	4
191	258	7.53	1.27		
225	220	6.41	1.43		
247	200	5.82	1.51		
285	173	5.05	1.66		
328	151	4.39	1.75		

r/min	Nm	i	fb	Type	p
5.5kW					
116	443	6.22	3.79	TRX 158	8
				TRXF158	8
123	420	5.88	2.64	TRX 128	8
				TRXF128	8
147	350	6.47	3.18	TRX 128	6
164	315	5.88	3.53	TRXF128	6
182	283	5.28	3.92		
217	238	6.65	1.82		
257	200	5.60	2.14	TRX 108	4
277	186	5.19	3.52	TRXF108	4
310	166	4.65	3.93		
247	208	5.82	1.9		
297	173	4.85	2.1		
319	162	4.52	3.5		
356	144	4.04	3.9		
396	130	3.64	4.3		
436	118	3.30	4.7	TRX 98	4
493	104	2.92	5.4	TRXF98	4
545	94	2.64	5.9		
643	80	2.24	7.0		
735	70	1.96	7.6		
878	59	1.64	8.1		
1014	51	1.42	8.4		
7.5kW					
4.9	13775	196.41	1.23		
6.0	11277	160.80	1.50		
7.4	9145	130.44	1.84		
7.9	8485	120.99	1.99		
9.2	7323	104.41	2.31	TRX 168	6
10	6462	92.14	2.6	TRXF168	6
12	5602	79.88	3.0		
14	4984	71.07	3.4		
15	4487	63.61	3.8		
16	4103	59.00	4.1		
4.4	15285	163.46	0.80		
4.9	13732	146.85	0.89	TR 148	8
6.0	11150	119.24	1.09	TRF148	8
6.6	10289	110.03	1.20		
5.9	11464	163.46	1.07		
6.5	10299	146.85	1.19		
8.0	8363	119.24	1.45	TR 148	6
8.8	7717	110.03	1.59	TRF148	6
10	6635	94.60	1.84		
12	5854	83.47	2.1		
7.7	8677	188.16	0.87		
8.4	8042	174.40	0.94		
9.3	7208	156.31	1.04		
10	6508	141.12	1.16	TR 138	4
11	5911	128.18	1.27	TRF138	4
13	5244	113.72	1.43		
14	4759	103.20	1.58		
16	4090	88.70	1.84		
18	3731	80.91	2.0		
20	3389	73.49	2.2		
22	3007	65.20	2.5		
25	2729	59.17	2.8		
29	2345	50.86	3.2		
16	4204	91.16	0.96		
19	3563	77.26	1.13	TR 108	4
20	3320	72.00	1.22	TRF108	4
23	2989	64.81	1.35		
25	2706	58.69	1.49		

r/min	Nm	i	fb	Type	p
7.5kW					
28	2400	52.05	1.68		
31	2170	47.06	1.86		
37	1839	39.88	2.2		
42	1607	34.84	2.5	TR 108	4
50	1344	29.14	3.0	TRF108	4
48	1404	30.40	2.9		
54	1257	27.25	3.2		
59	1134	24.60	3.6		
65	1030	22.34	3.9		
24	2760	59.84	1.02		
27	2451	53.14	1.15		
31	2191	47.51	1.29		
34	1970	42.72	1.43		
39	1710	37.08	1.65		
44	1531	33.20	1.77	TR 98	4
53	1270	27.54	1.98	TRF98	4
45	1486	32.22	1.72		
54	1238	26.84	1.94		
58	1154	25.03	2.30		
65	1032	22.37	2.48		
72	929	20.14	2.64		
80	841	18.24	2.79		
40	1694	36.73	0.86		
45	1502	32.57	0.97		
52	1282	27.81	1.1		
52	1284	27.84	1.13		
62	1079	23.40	1.35		
68	992	21.51	1.42		
76	881	19.10	1.54	TR 88	4
85	788	17.08	1.66	TRF88	4
95	708	15.35	1.78		
110	615	13.33	1.96		
122	550	11.93	2.1		
147	457	9.90	2.4		
158	427	9.25	2.7		
175	384	8.32	2.8		
202	333	7.22	3.0		
226	298	6.47	3.2		
272	247	5.36	3.5		
78	867	18.80	0.85		
82	822	17.82	0.89		
94	719	15.60	0.97		
104	648	14.05	1.04		
118	569	12.33	1.14		
134	502	10.88	1.24	TR 78	4
151	445	9.64	1.33	TRF78	4
173	388	8.42	1.53		
192	350	7.59	1.64		
219	307	6.66	1.78		
248	271	5.88	1.87		
280	240	5.21	2.00		
115	586	12.70	0.83		
127	532	11.54	0.88		
146	461	10.00	0.96		
168	401	8.70	1.03		
187	359	7.79	0.99	TR 68	4
198	339	7.36	1.02	TRF68	4
233	289	6.27	1.07		
256	263	5.70	1.11		
296	227	4.93	1.20		
340	198	4.29	1.28		
183	368	7.97	0.91		
194	347	7.53	0.95		
228	296	6.41	1.07	TR 58	4
251	268	5.82	1.12	TRF58	4
289	233	5.05	1.23		
333	202	4.39	1.30		



Aeromax helical geared motors

r/min	Nm	i	fb	Type	p
7.5kW					
123	572	5.00	1.94	TRX 128	8
				TRXF128	8
156	449	6.22	3.74	TRX 158	6
				TRXF158	6
123	572	5.88	2.94	TRX 128	6
136	515	5.28	3.26	TRXF128	6
167	420	4.29	4.0		
221	318	6.47	3.49	TRX 128	4
245	286	5.88	3.88	TRXF128	4
11kW					
6.0	16540	160.80	1.02		
7.4	13417	130.44	1.26	TR 168	6
7.9	12445	120.99	1.36	TRF168	6
9.2	10740	104.41	1.58		
7.4	13284	196.41	1.27		
9.1	10876	160.80	1.56		
11.2	8822	130.44	1.91		
12	8183	120.99	2.07	TR 168	4
14	7062	104.41	2.4	TRF168	4
16	6232	92.14	2.7		
18	5403	79.88	3.1		
21	4807	71.07	3.5		
6.5	15105	146.85	0.81		
8.1	12265	119.24	1.0	TR 148	6
8.7	11318	110.03	1.08	TRF148	6
10	9731	94.60	1.26		
12	8586	83.47	1.42		
8.9	11056	163.46	1.11		
10	9932	146.85	1.23		
12	8065	119.24	1.52		
13	7442	110.03	1.64		
15	6398	94.60	1.91	TR 148	4
17	5645	83.47	2.2	TRF148	4
20	4876	72.09	2.5		
22	4508	66.65	2.7		
24	4129	61.50	3.0		
28	3576	52.87	3.4		
10	9545	141.12	0.8		
11	8669	128.18	0.87		
13	7691	113.72	0.98		
14	6980	103.2	1.08		
16	5999	88.70	1.25		
18	5472	80.91	1.37	TR 138	4
20	4970	73.49	1.51	TRF138	4
22	4410	65.20	1.71		
25	4002	59.17	1.88		
29	3440	50.86	2.2		
33	3002	44.39	2.5		
39	2540	37.65	3.0		
44	2226	32.91	3.4		
23	4383	64.81	0.92		
26	3969	58.69	1.02		
28	3520	52.05	1.15		
31	3183	47.06	1.27		
37	2697	39.88	1.50		
42	2356	34.84	1.72	TR 108	4
50	1971	29.14	2.1	TRF108	4
48	2059	30.44	1.96		
54	1843	27.25	2.2		
59	1664	24.60	2.4		
65	1511	22.34	2.7		
74	1341	19.82	3.0		
81	1217	17.99	3.3		

r/min	Nm	i	fb	Type	p
11kW					
34	2889	42.72	0.98		
39	2508	37.08	1.12		
44	2245	33.20	1.21		
53	1863	27.54	1.35		
58	1693	25.03	1.57		
65	1513	22.37	1.69		
72	1362	20.14	1.80		
80	1234	18.24	1.90	TR 98	4
90	1094	16.17	2.1	TRF98	4
100	989	14.62	2.2		
118	838	12.39	2.5		
135	732	10.83	2.7		
158	626	9.26	3.0		
174	566	8.37	3.4		
206	480	7.09	3.9		
235	419	6.20	4.2		
68	1455	21.51	0.97		
76	1292	19.10	1.05		
85	1155	17.08	1.13		
95	1038	15.35	1.21		
110	902	13.33	1.33		
122	807	11.93	1.43	TR 88	4
147	670	9.90	1.66	TRF 88	4
158	626	9.25	1.82		
175	563	8.32	1.94		
202	488	7.22	2.1		
226	438	6.47	2.2		
272	363	5.36	2.4		
134	736	10.88	0.84		
151	652	9.64	0.91		
192	513	7.59	1.12	TR 78	4
219	450	6.66	1.21	TRF78	4
248	398	5.88	1.28		
280	352	5.21	1.36		
191	539	5.05	3.12	TR 158	6
209	492	4.68	3.41	TRF158	6
240	429	4.04	3.92		
235	437	6.22	3.84	TRX 158	4
				TRXF158	4
249	414	5.88	2.68		
277	372	5.28	2.98	TRX 128	4
339	304	4.29	3.65	TRXF128	4
372	277	3.95	4.01		
15kW					
7.4	18201	130.44	0.93		
8.0	16883	120.99	1.00	TR 168	6
9.2	14569	104.41	1.16	TRF168	6
11	12857	92.14	1.32		
7.4	18115	196.41	0.93		
9.1	14830	160.80	1.14		
11	12030	130.44	1.41		
12	11159	120.99	1.52		
14	9630	104.41	1.76	TR 168	4
16	8498	92.14	1.99	TRF168	4
18	7367	79.88	2.3		
21	6555	71.07	2.6		
23	5901	63.98	2.9		
25	5396	58.51	3.1		
8.8	15353	110.03	0.80		
10	13200	94.60	0.93	TR 148	6
12	11647	83.47	1.05	TRF148	6
13	10059	72.09	1.21		
14	9300	66.65	1.31		

r/min	Nm	i	fb	Type	p
15kW					
8.9	15076	163.46	0.81		
9.9	13544	146.85	0.90		
12	10997	119.24	1.11		
13	10148	110.03	1.20		
15	8725	94.60	1.40	TR 148	4
17	7698	83.47	1.59	TRF148	4
20	6649	72.09	1.84		
22	6147	66.65	1.99		
24	5631	61.50	2.2		
28	4876	52.87	2.5		
31	4303	46.65	2.8		
14	9518	103.2	0.8		
16	8181	88.70	0.92		
18	7462	80.91	1.01		
20	6778	73.49	1.11		
22	6013	65.20	1.25	TR 138	4
25	5457	59.17	1.38	TRF138	4
29	4691	50.86	1.60		
33	4094	44.39	1.84		
39	3472	37.65	2.2		
44	3035	32.91	2.5		
52	2567	27.83	2.9		
31	4340	47.06	0.9		
37	3678	39.88	1.10		
42	3213	34.84	1.26		
50	2688	29.14	1.50		
48	2807	30.44	1.44		
54	2513	27.25	1.61	TR 108	4
59	2269	24.60	1.78	TRF108	4
65	2060	22.34	1.96		
74	1828	19.82	2.2		
81	1659	17.99	2.4		
94	1426	15.46	2.8		
108	1245	13.50	3.2		
53	2540	27.54	1.1		
58	2309	25.03	1.15		
65	2063	22.37	1.24		
72	1858	20.14	1.32		
80	1682	18.24	1.40		
90	1491	16.17	1.51		
100	1348	14.62	1.6	TR 98	4
118	1143	12.39	1.8	TRF98	4
135	999	10.83	2.0		
158	854	9.26	2.4		
174	772	8.37	2.5		
206	654	7.09	2.9		
235	572	6.20	3.1		
85	1575	17.08	1.13		
95	1416	15.35	0.89		
110	1229	13.33	0.98		
122	1100	11.93	1.05		
147	913	9.90	1.21	TR 88	4
158	853	9.25	1.33	TRF88	4
175	767	8.32	1.42		
202	666	7.22	1.51		
226	597	6.47	1.61		
272	494	5.36	1.73		
287	488	5.05	3.44	TRX 158	4
315	446	4.68	3.77	TRXF158	4
361	388	4.04	3.32		
372	378	3.95	2.94	TRX 128	4
				TRXF128	4



Aeromax helical geared motors

r/min	Nm	i	fs	Type	p
18.5kW					
9.1	18291	160.80	0.93		
11	14838	130.44	1.13		
12	13763	120.99	1.24		
14	11877	104.41	1.42		
16	10481	92.14	1.61	TR 168	4
18	9086	79.88	1.86	TRF168	4
21	8084	71.07	2.1		
23	7278	63.61	2.3		
25	6655	59.00	2.5		
29	5791	50.91	2.9		
12	13564	119.24	0.90		
13	12516	110.03	0.98		
15	10761	94.60	1.14		
17	9495	83.47	1.29		
20	8200	72.09	1.49	TR 148	4
22	7581	66.65	1.61	TRF148	4
24	6944	61.50	1.76		
28	6014	52.87	2.0		
31	5306	46.65	2.3		
36	4583	40.29	2.7		
18	9203	80.91	0.82		
20	8359	73.49	0.90		
22	7416	65.20	1.01		
25	6731	59.17	1.12		
29	5785	50.86	1.30		
33	5049	44.39	1.49		
39	4283	37.65	1.76	TR 138	4
44	3744	32.91	2.0	TRF138	4
52	3166	27.83	2.3		
49	3362	29.56	2.2		
61	2730	24.00	2.7		
66	2520	22.15	3.0		
77	2166	19.04	3.5		
87	1911	16.80	3.9		
37	4536	39.88	0.89		
42	3963	34.84	1.02		
50	3315	29.14	1.22		
59	2798	24.60	1.44		
65	2541	22.34	1.59		
74	2255	19.82	1.79	TR 108	4
81	2046	17.99	1.98	TRF108	4
94	1759	15.46	2.3		
108	1536	13.50	2.6		
128	1302	11.45	3.1		
146	1139	10.01	3.5		
181	918	8.07	3.0		
213	778	6.84	3.6		
72	2291	20.14	1.07		
80	2075	18.24	1.13		
90	1839	16.17	1.23		
100	1663	14.62	1.30		
118	1409	12.39	1.46		
135	1232	10.83	1.59	TR 98	4
158	1053	9.26	1.81	TRF98	4
174	952	8.37	2.0		
206	806	7.09	2.3		
235	705	6.20	2.5		
282	589	5.18	2.8		
325	511	4.49	3.0		
110	1516	13.33	0.8		
122	1357	11.93	0.85		
147	1126	9.90	0.98		
158	1052	9.25	1.08	TR 88	4
175	946	8.32	1.15	TRF88	4
202	821	7.22	1.22		
226	736	6.47	1.30		
272	610	5.36	1.40		

r/min	Nm	i	fs	Type	p
18.5kW					
317	547	4.68	3.07	TRX 158	4
364	476	4.04	3.53	TRXF158	4
412	420	3.57	4.0		
348	478	4.20	1.63		
383	452	3.81	1.73		
432	401	3.38	1.95		
476	364	3.07	2.1	TRX 108	4
553	313	2.64	2.5	TRXF108	4
635	273	2.30	2.9		
749	231	1.95	3.1		
854	203	1.71	3.3		
1014	171	1.44	3.6		
22kW					
11	17645	130.44	0.95		
12	16366	120.99	1.04		
14	14124	104.41	1.20		
16	12464	92.14	1.36		
18	10805	79.88	1.57	TR 168	4
21	9614	71.07	1.76	TRF168	4
23	8655	63.61	2.0		
25	7915	59	2.1		
29	6887	50.91	2.5		
32	6078	44.93	2.8		
37	5269	38.95	3.2		
13	14884	110.03	0.83		
15	12797	94.60	0.95		
17	11291	83.47	1.08		
20	9752	72.09	1.3		
22	9016	66.65	1.36	TR 148	4
24	8258	61.50	1.48	TRF148	4
28	7152	52.87	1.71		
31	6310	46.65	1.94		
36	5450	40.29	2.2		
41	4821	35.64	2.5		
49	4051	29.95	3.0		
22	8820	65.20	0.85		
25	8004	59.17	0.94		
29	6880	50.86	1.09		
33	6005	44.39	1.25		
39	5093	37.65	1.48		
44	4452	32.91	1.69		
52	3765	27.83	2.00	TR 138	4
49	3999	29.56	1.88	TRF138	4
61	3246	24.00	2.3		
66	2996	22.15	2.5		
77	2576	19.04	2.9		
87	2273	16.80	3.3		
101	1963	14.51	3.8		
114	1736	12.83	4.3		
42	4713	34.84	0.86		
50	3942	29.14	1.03		
59	3328	24.60	1.21		
65	3022	22.34	1.34		
74	2681	19.82	1.51		
81	2434	17.99	1.66		
94	2091	15.46	1.93	TR 108	4
108	1826	13.50	2.2	TRF108	4
128	1549	11.45	2.6		
146	1354	10.01	3.0		
173	1144	8.46	3.5		
181	1092	8.07	2.6		
213	925	6.84	3.0		
244	809	5.98	3.5		

r/min	Nm	i	fs	Type	p
22kW					
72	2724	20.14	0.90		
80	2467	18.24	0.95		
90	2187	16.17	1.05		
100	1978	14.62	1.10		
118	1676	12.39	1.23		
135	1465	10.83	1.34	TR 98	4
158	1253	9.26	1.52	TRF98	4
174	1132	8.37	1.69		
206	959	7.09	1.96		
235	839	6.20	2.1		
282	701	5.18	2.4		
325	607	4.49	2.5		
147	1339	9.90	0.83		
158	1251	9.25	0.91		
175	1125	8.32	0.97	TR 88	4
202	977	7.22	1.03	TRF88	4
226	875	6.47	1.10		
272	725	5.36	1.18		
412	500	3.57	3.36	TRX 158	4
				TRXF158	4
348	592	4.20	1.32		
383	537	3.81	1.45		
432	477	3.38	1.64		
476	433	3.07	1.80	TR 108	4
553	372	2.64	2.10	TRF108	4
635	324	2.30	2.41		
749	275	1.95	2.61		
854	241	1.71	2.75		
1014	203	1.44	2.99		
30kW					
16	16996	92.14	1.0		
18	14735	79.88	1.15		
21	13109	71.07	1.29		
23	11802	63.61	1.43		
25	10793	59.00	1.57		
29	9391	50.91	1.80	TR 168	4
32	8288	44.93	2.04	TRF168	4
37	7185	38.95	2.4		
42	6393	34.66	2.6		
49	5510	29.87	3.1		
60	4477	24.27	3.8		
71	3796	20.58	4.5		
17	15397	83.47	0.8		
20	13298	72.09	0.92		
22	12294	66.65	0.99		
24	11261	61.50	1.09		
28	9752	52.87	1.25		
31	8605	46.65	1.42	TR 148	4
36	7432	40.29	1.64	TRF148	4
41	6574	35.64	1.86		
49	5525	29.95	2.2		
60	4462	24.19	2.5		
71	3770	20.44	3.0		
81	3328	18.04	3.0		
93	2885	15.64	4.2		
29	9382	50.86	0.80		
33	8188	44.39	0.92		
39	6945	37.65	1.08		
44	6071	32.91	1.24		
52	5133	27.83	1.41	TRX 138	4
61	4427	24.00	1.69	TRXF138	4
66	4086	22.15	1.85		
77	3512	19.04	2.1		
87	3099	16.80	2.4		
101	2676	14.51	2.8		



Aeromax helical geared motors

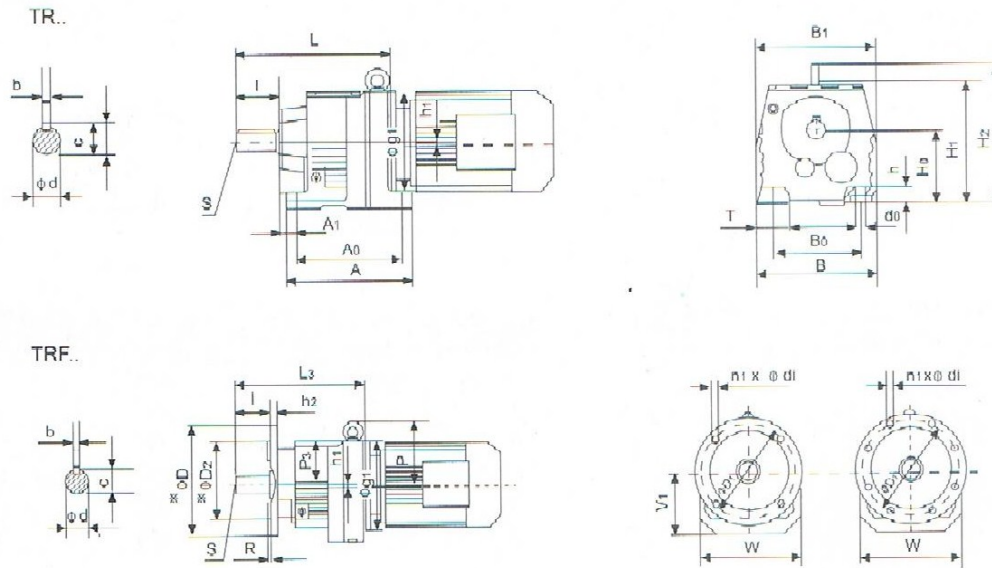
r/min	Nm	i	fb	Type	p
30kW					
114	2367	12.83	3.2		
135	1990	10.79	3.8	TRX 138	4
192	1400	7.59	3.4	TRXF138	4
229	1177	6.38	4.1		
74	3656	19.82	1.11		
81	3318	17.99	1.22		
94	2852	15.46	1.42		
108	2490	13.50	1.62		
128	2112	11.45	1.91	TR 108	4
146	1846	10.01	2.2	TRF108	4
173	1561	8.46	2.6		
181	1489	8.07	1.88		
213	1262	6.84	2.2		
244	1103	5.98	2.5		
289	933	5.06	2.9		
100	2697	14.62	0.80		
118	2285	12.39	0.90		
135	1998	10.83	0.98		
158	1708	9.26	1.12	TR 98	4
174	1544	8.37	1.24	TRF98	4
206	1308	7.09	1.44		
235	1144	6.20	1.55		
282	955	5.18	1.75		
325	828	4.49	1.85		
37kW					
18	18049	79.88	0.94		
21	16058	71.07	1.05		
23	14456	63.61	1.17		
25	13220	59.00	1.28		
29	11503	50.91	1.47		
33	10152	44.93	1.67	TR 168	4
38	8801	38.95	1.92	TRF168	4
42	7831	34.66	2.16		
49	6749	29.87	2.5		
61	5484	24.27	3.1		
78	4232	18.73	4.0		
90	3685	16.31	4.6		
101	3290	14.56	5.1		
22	15060	66.65	0.81		
24	13794	61.50	0.89		
28	11946	52.87	1.02		
32	10541	46.65	1.16		
36	9104	40.29	1.34		
41	8053	35.64	1.52	TR 148	4
49	6767	29.95	1.81	TRF148	4
61	5466	24.19	2.0		
72	4618	20.44	2.4		
81	4076	18.04	2.4		
94	3534	15.64	3.5		
106	3143	13.91	3.8		
39	8507	37.65	0.88		
45	7436	32.91	1.01		
53	6288	27.83	1.20		
61	5423	24.00	1.38		
67	5005	22.15	1.51		
77	4302	19.04	1.75		
88	3796	16.80	1.98	TR 138	4
101	3279	14.51	2.3	TRF138	4
115	2899	12.83	2.6		
136	2438	10.79	3.1		
169	1968	8.71	3.7		
194	1715	7.59	2.8		
230	1442	6.38	3.3		
285	1164	5.15	3.7		

r/min	Nm	i	fb	Type	p
37kW					
74	4478	19.82	0.90		
82	4065	17.99	0.99		
95	3493	15.46	1.16		
109	3050	13.50	1.33		
128	2587	11.45	1.56	TRX 108	4
147	2262	10.01	1.79	TRXF108	4
174	1912	8.46	2.1		
182	1823	8.07	1.5		
215	1546	6.84	1.8		
246	1351	5.98	2.1		
291	1143	5.06	2.4		
45kW					
23	17463	63.61	0.97		
25	15970	59.00	1.06		
29	13896	50.91	1.22		
33	12264	44.93	1.38		
38	10631	38.95	1.59		
43	9460	34.66	1.79	TR 168	4
50	8153	29.87	2.08	TRF168	4
61	6624	24.27	2.6		
72	5617	20.58	3.0		
79	5112	18.73	2.4		
91	4452	16.31	3.4		
102	3974	14.56	3.5		
28	14431	52.87	0.85		
32	12733	46.65	0.96		
37	10997	40.29	1.11		
42	9728	35.64	1.26		
49	8175	29.95	1.49		
61	6603	24.19	1.69	TR 148	4
72	5579	20.44	2.0	TRF148	4
82	4924	18.04	2.0		
95	4269	15.64	2.9		
106	3797	13.91	3.2		
123	3273	11.99	3.7		
204	1979	7.25	4.1		
45	8983	32.91	0.84		
53	7596	27.83	0.99		
62	6551	24.00	1.15		
67	6046	22.15	1.24		
78	5197	19.04	1.45		
88	4586	16.80	1.64	TR 138	4
102	3960	14.51	1.90	TRF138	4
115	3502	12.83	2.1		
137	2945	10.79	2.6		
170	2377	8.71	3.1		
195	2072	7.59	2.3		
232	1741	6.38	2.8		
287	1406	5.15	3.1		
96	4220	15.46	0.96		
110	3685	13.50	1.10		
129	3125	11.45	1.29		
148	2732	10.01	1.48	TR 108	4
175	2309	8.46	1.75	TRF108	4
183	2203	8.07	1.27		
216	1867	6.84	1.50		
247	1632	5.98	1.71		
292	1381	5.06	2.0		
55kW					
29	16984	50.91	1.00		
33	14989	44.93	1.13		
38	12984	38.95	1.30	TR 168	4
43	11563	34.66	1.46	TRF168	4
50	9963	29.87	1.70		
61	8097	24.27	2.09		

r/min	Nm	i	fb	Type	p
55kW					
72	6866	20.58	2.50		
79	6248	18.73	1.96		
91	5441	16.31	2.76	TR 168	4
102	4857	14.56	2.90	TRF168	4
119	4140	12.41	4.09		
144	3429	10.28	4.66		
32	15563	46.65	0.8		
37	13441	40.29	0.91		
42	11890	35.64	1.03		
49	9991	29.95	1.22		
61	8070	24.19	1.39		
72	6819	20.44	1.65		
82	6018	18.04	1.64	TR 148	4
95	5218	15.64	2.3	TRF148	4
106	4640	13.91	2.6		
123	4000	11.99	3.1		
152	3249	9.74	3.8		
204	2419	7.25	3.4		
251	1965	5.89	4.1		
78	6352	19.04	1.18		
88	5605	16.80	1.34		
102	4841	14.51	1.55		
115	4280	12.83	1.76	TR 138	4
137	3600	10.79	2.1	TRF138	4
170	2906	8.71	2.5		
195	2532	7.59	1.9		
232	2128	6.38	2.3		
287	1718	5.15	2.5		
75kW					
38	17719	38.95	0.95		
43	15767	34.66	1.07		
50	13588	29.87	1.25		
61	11041	24.27	1.53		
72	9362	20.58	1.81	TR 168	4
79	8521	18.73	1.43	TRF168	4
91	7420	16.31	2.03		
102	6624	14.56	2.13		
119	5646	12.41	3.0		
144	4677	10.28	3.4		
169	3990	8.77	4.0		
49	13625	29.95	0.90		
61	11004	24.19	1.11		
72	9298	20.44	1.21		
82	8207	18.04	1.20		
95	7115	15.64	1.72		
106	6328	13.91	1.87	TR 148	4
123	5454	11.99	2.2	TRF148	4
152	4431	9.74	2.8		
179	3758	8.26	3.3		
204	3298	7.25	2.5		
251	2679	5.89	3.0		
296	2275	5.00	3.6		
90kW					
43	18921	34.66	0.89		
50	16306	29.87	1.04		
61	13249	24.27	1.28		
72	11235	20.58	1.51		
79	10225	18.73	1.20		
91	8904	16.31	1.69	TR 168	4
102	7948	14.56	1.77	TRF168	4
119	6775	12.41	2.5		
144	5612	10.28	2.8		
169	4788	8.77	3.3		



Aeromax helical geared motors



Dimensions (mm)

Gear type	Ho	Bo	Ao	A1	do	d	b	c	l	s	L	A	B	H1	T	h
TR18	75	110	110	18	9	20k6	6	22.5	40	M6	207	131	140	134	25	12
TR28	90	110	130	25	9	25k6	8	28	50	M10	193	152	151	147	32	18
TR38	90	110	130	25	9	25k6	8	28	50	M10	201	160	145	151	35	18
TR48	115	135	165	30	13.5	30k6	8	33	60	M10	235	195	170	187	42	24
TR58	115	135	165	30	13.5	35k6	10	38	70	M12	257	200	190	187	55	24
TR68	130	150	195	30	14	35k6	10	38	70	M12	280	235	210	212	60	30
TR78	140	170	205	35	17.5	40k6	12	43	80	M16	300	245	230	228	60	30
TR88	180	215	260	40	17.5	50k6	14	53.5	100	M16	372	310	290	295	75	45
TR98	225	250	310	40	22	60m6	18	64	120	M20	440	365	340	368	90	55
TR108	250	290	370	45	26	70m6	20	74.5	140	M20	495	440	400	408	110	65
TR138	315	340	410	50	33	90m8	25	95	170	M24	589	490	450	495	110	70
TR148	355	380	500	50	39	110m6	28	116	210	M24	695	590	530	565	150	80
TR188	425	500	580	60	39	120m6	32	127	210	M24	790	670	660	675	160	100

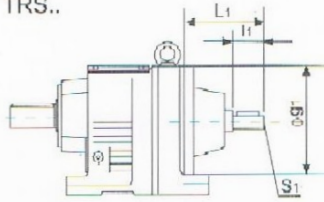
Dimensions (mm)

Gear type	D	D1	D2	R	n1	d1	h2	h1	V1	W	P3	L1	P	H2	g1	B1	Weight(Kg) w/motor
TRF18	140	115	95j6	3	4	8.5	9	0	76	130	59	215	-	-	120	140	4
TRF28	160	130	110j6	3.5	4	8.5	10	3.4	92	142	57	199	-	-	120	151	5.5
TRF38	200	165	130j6	3.5	4	11	12	10.1	94	161	61	207	-	-	120	161	8.5
TRF48	200	165	130j6	3.5	4	11	12	14	118	178	72	235	-	-	160	178	10
TRF58	250	215	180j6	4	4	13.5	15	11.2	121	202	72	257	-	-	160	202	18
TRF68	250	215	180j6	4	4	13.5	15	20.7	134	215	82	280	113	243	160	215	25
TRF78	300	265	230j6	4	4	13.5	16	15.9	144	235	88	300	129	269	200	235	36
TRF88	350	300	250h6	5	4	17.5	18	12.6	184	297	115	372	165	345	250	297	63
TRF98	450	400	350h6	5	8	17.5	22	10.2	230	348	144	440	193	418	300	348	101
TRF108	450	400	350h6	5	8	17.5	22	20.4	265	409	158	495	224	475	350	409	153
TRF138	550	500	450h6	5	8	17.5	25	25.1	320	458	180	589	247	562	400	458	220
TRF148	550	500	450h6	5	8	17.5	25	33.4	381	540	210	695	285	637	450	540	400
TRF168	660	600	550h6	6	8	22	28	59.9	430	670	250	790	324	749	550	670	700

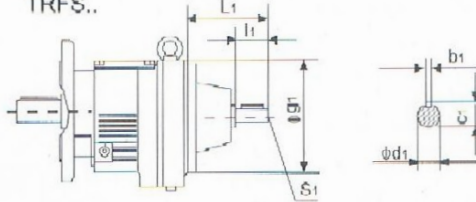


Aeromax helical geared motors

TRS..



TRFS..

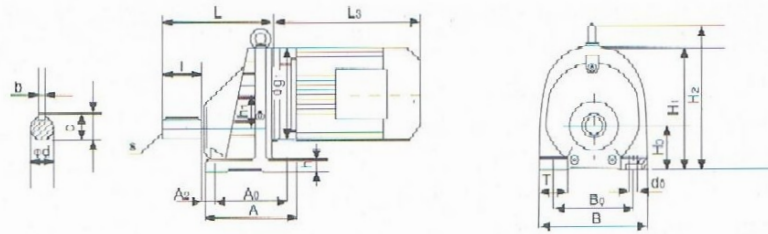


Dimensions (mm)

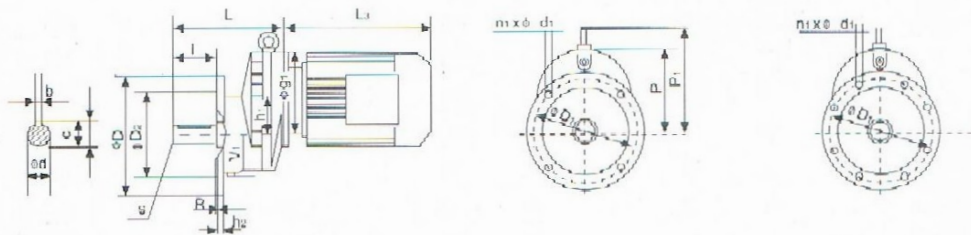
Gear Type	d1	L1	l1	S1	c1	b1	g1
TR..S28	16k6	115	40	M5	18	5	120
TR..S38	16k6	115	40	M5	18	5	120
TR..S48	19k6	120	40	M6	21.5	6	160
TR..S58	19k6	120	40	M6	21.5	6	160
TR..S68	19k6	120	40	M6	21.5	6	160
TR..S78	24k6	140	50	M8	27	8	200

Gear Type	d1	L1	l1	S1	c1	b1	g1
TR..S88	28k6	180	60	M10	31	8	250
TR..S98	38k6	220	80	M12	41	10	300
TR..S108	42k6	270	110	M16	46	12	350
TR..S138	55m6	307	110	M20	59	16	400
TR..S148	55m6	297	110	M20	59	16	450
TR..S168	70m6	374	74.5	M20	74.5	20	550

TRX..



TRXF..



Dimensions (mm)

Gear Type	H0	A0	B0	A2	d0	h1	d	c	b	l	s	g1	L	A	B	H1	T	h	H2	P	P1
TRX38	55	110	125	12	9	46	20k6	22.5	6	40	M6	140	140	140	160	169	40	12	-	114	-
TRX58	63	110	125	16	11	52	20k6	22.5	6	40	M6	160	174	137	156	202	31	18	-	139	-
TRX68	80	120	135	25	13.5	60	25k6	28	8	50	M10	180	201	150	170	226	35	20	-	147	-
TRX78	90	150	170	25	17.5	72	30k6	33	8	60	M10	200	227	190	204	271	50	25	311	181	221
TRX90	100	160	215	30	18	93.5	40k6	43	12	80	M16	250	269	206	266	332	60	30	372	232	272
TRX98	112	185	250	40	22	116	50k6	53.5	14	100	M16	300	316	240	320	393	70	35	440	281	328
TRX108	140	210	310	32	22	130	60m6	64	18	120	M20	350	364	260	360	459	80	45	506	319	366
TRX128	160	270	100	35	26	157	75m6	79.5	20	140	M24	450	400	350	510	541	120	55	615	381	456
TRX158	200	300	500	51	33	180	90m6	95	25	170	M24	550	477	400	620	662	120	70	764	462	564

Dimensions (mm)

Gear Type	D	D1	D1	R	n1	d1	h2	h1	g1	v1	L
TRXF38	160	130	110j6	3	4	9	8	46	140	60	140
TRXF58	200	165	130j6	3.5	4	11	12	52	160	62	174
TRXF68	250	215	180j6	4	4	13.5	15	60	160	70	204
TRXF78	250	215	180j6	4	4	13.5	15	72	200	78	227
TRXF88	300	265	230j6	4	4	13.5	18	93.5	250	98	269

Gear Type	D	D1	D1	R	n1	d1	h2	h1	g1	v1	L
TRXF98	350	300	250h6	5	4	18	18	116	300	118	316
TRXF108	450	400	350h6	5	8	18	22	130	350	135	364
TRXF128	450	400	350h6	5	8	18	-	157	450	170	400
TRXF158	550	500	450h6	5	8	22	-	180	550	214	477



Aeromax helical geared motors

GEAR UNITS SERVICE FACTOR

Table 1		Factor for driven machine							
		Effective daily operating period under load in hours			Effective daily operating period under load in hours				
		≤ 0.5h	0.5-10h	< 10h	≤ 0.5h	0.5-10h	< 10h		
Waste water treatment	Thickeners (central drive)	-	-	1.2	Metal working mills	Reversing slabbing mills	-	2.5	2.5
	Filter presses	1.0	1.3	1.5		Reversing wire mills	-	1.8	1.8
	Flocculation apparata	0.8	1.0	1.3		Reversing sheet mills	-	2.0	2.0
	Aerators	-	1.8	2.0		Reversing plate mills	-	1.8	1.8
	Raking equipment	1.0	1.2	1.3		Roll adjustment drives	0.9	1.0	-
	Combined longitudinal and rotary rakes	1.0	1.3	1.5	Conveyors	Bucket conveyors	-	1.2	1.5
	Pre-thickeners	-	1.1	1.3		Hauling winches	1.4	1.6	1.6
	Screw pumps	-	1.3	1.5		Hoists	-	1.5	1.8
	Water turbine	-	-	2.0		Belt conveyors <150 kw	1.0	1.2	1.3
	Centrifugal pumps	1.0	1.2	1.3		Belt conveyors ≥150 kw	1.1	1.3	1.5
	1 piston positive-displacement pumps	1.3	1.4	1.8		Goods lifts *	-	1.2	1.5
	>1 piston positive-displacement pumps	1.2	1.4	1.5		Passenger lifts *	-	1.5	1.8
Bucket conveyors	-	1.6	1.6	Apron conveyors		-	1.2	1.5	
Dredgers	Dumping devices	-	1.3	1.5		Escalators	-	1.2	1.4
Caterpillar travelling gears	-	1.6	1.8	Rail travelling gears		-	1.5	-	
Bucket wheel excavators as pick-up	-	1.7	1.7	Frequency converters	-	1.8	2.0		
Bucket wheel excavators for primitive material	-	2.2	2.2	Reciprocating compressors	-	1.8	1.9		
Cutter heads	-	2.2	2.2	Cranes	Slewing gears	1.0	1.4	1.8	
Traversing gears *	-	1.4	1.8		Luffing gears	1.0	1.25	1.5	
Plate bending machines	-	1.0	1.0		Travelling gears	1.5	1.75	2.0	
Chemical industry	Extruders	-	-		1.6	Hoisting gears	1.0	1.25	1.5
	Dough mills	-	1.8		1.8	Derricking jib cranes	1.0	1.25	1.6
	Rubber calenders	-	1.5	1.5	Cooling tower fans	-	-	2.0	
	Cooling drums	-	1.3	1.4	Blowers (axial and radial)	-	1.4	1.5	
	Mixers for uniform media	1.0	1.3	1.4	Cane sugar production	Cane knives *	-	-	1.7
	Mixers for non-uniform media	1.4	1.6	1.7	Cane mills	-	-	1.7	
	Agitators for media with uniform density	1.0	1.3	1.5	Beet sugar production	Beet cosettes macerators	-	-	1.2
	Agitators for media with non-uniform density	1.2	1.4	1.6		Extraction plants, Mechanical refrigerators, Juice boilers	-	-	1.4
	Agitators for media with non-uniform gas absorption	1.4	1.6	1.8		Sugar beet washing machines	-	-	1.5
	Toasters	1.0	1.3	1.5		Sugar beet cutters	-	-	1.5
	Centrifuges	1.0	1.2	1.3	Paper machines	Of all-kind **	-	1.8	2.0
	Plate tilters	1.0	1.0	1.2	Pulper drives	2.0	2.0	2.0	
Ingot pushers	1.0	1.2	1.2	Centrifugal compressors	-	1.4	1.5		
Metal working mills	Winding machines	-	1.6	1.6	Cableways	Material ropeways	-	1.3	1.4
	Cooling bed transfer frames	-	1.5	1.5		To-and fro system aerial ropeways	-	1.6	1.8
	Roller straighteners	-	1.6	1.6		T-bar lifts	-	1.3	1.4
	Roller tables continuous	-	1.5	1.5		Continuous ropeways	-	1.4	1.6
	Roller tables intermittent	-	2.0	2.0		Concrete mixers	-	1.5	1.5
	Roller tables Reversing tube mills	-	1.8	1.8	Cement industry	Breakers *	-	1.2	1.4
	Shears continuous *	-	1.5	1.5		Rotary kilns	-	-	2.0
	Shears crank type *	1.0	1.0	1.0		Tube mills	-	-	2.0
	Continuous casting drivers	-	1.4	1.4		Separators	-	1.6	1.6
	Reversing blooming mills	-	2.5	2.5		Roll crudhers	-	-	2.0

Design for power rating of driven machine P₂

*) Designed power corresponding to max. torque.

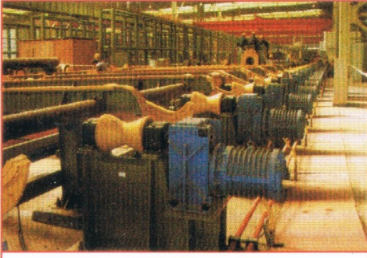
***) A check for thermal capacity is absolutely essential.

Table 2	Factor for prime mover	f ₂
Electric motors, hydraulic motors, turbines		1.0
Piston engines 4-6 cylinders		1.25
Piston engines 1-3 cylinders		1.5

Table 3		Start factor			f ₃
f ₃	f ₁ x f ₂	1	1.25 - 1.75	2 - 2.75	≥3
starts per hour					
≤5		1	1	1	1
6 - 25		1.2	1.12	1.06	1
26 - 60		1.3	1.2	1.12	1.06
61 - 180		1.5	1.3	1.2	1.12
>180		1.7	1.5	1.3	1.2



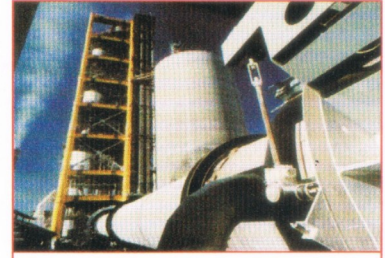
Aeromax helical geared motors



Metallurgical Equipment



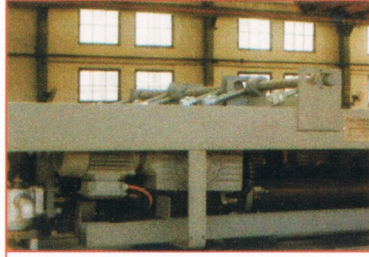
Water Equipment



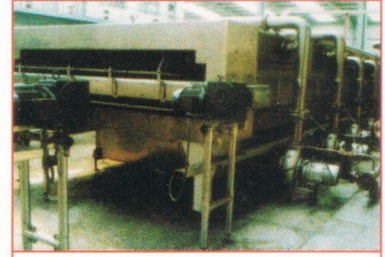
Cement Equipment



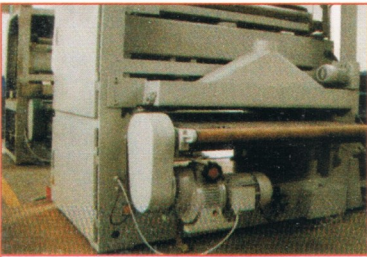
Chemical Processing Equipment



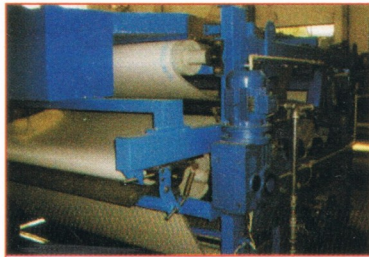
Power Generating Equipment



Beer Making Machinery



Wood Working Machinery

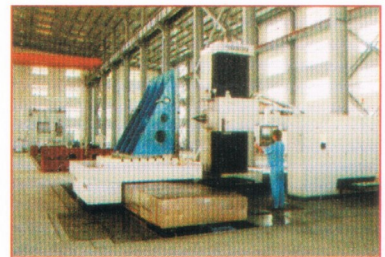


Light Industry Machinery

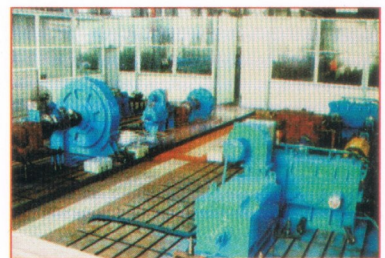
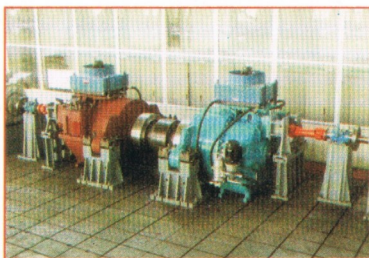


Palm Oil Mill

Processing Equipment



Testing Equipment





Aeromax helical geared motors



TR..YDA



TK..AM..YDT



TRF..YDA



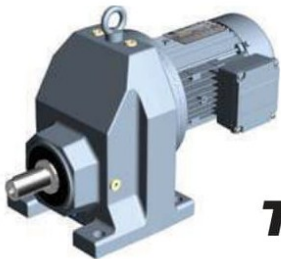
TK..YDT



TR..F..YDA



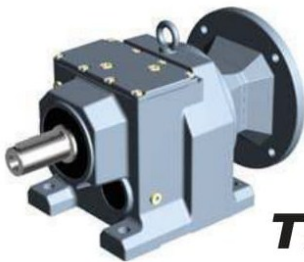
TR..YDT



TRX..YDA



FR..YDT



TR..IEC



A3..UDL..TA



TRX..IEC



A3..LM