



OR 63



10.5

ir	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	
7.9	354	140	5.8	90	177	170	3.5	90	114	190	2.5	90	63	200	1.5	90	112 B5 112 B14
10.3	272	150	4.7	90	136	185	2.9	90	88	200	2.0	90	49	215	1.2	90	
11.5	244	155	4.4	90	122	190	2.7	90	78	205	1.9	90	44	220	1.1	90	
13.3	211	175	4.3	90	105	220	2.7	90	68	235	1.9	90	38	245	1.1	90	
14.8	189	180	4.0	90	94	220	2.4	90	61	240	1.7	90	34	250	0.99	90	
17.2	163	185	3.5	90	82	220	2.1	90	52	245	1.5	90	29	255	0.86	90	
19.5	143	190	3.2	90	72	230	1.9	90	46	245	1.3	90	26	255	0.77	90	
23.7	118	220	3.0	90	59	240	1.6	90	38	260	1.1	90	21	270	0.66	90	
27.5	102	225	2.7	90	51	240	1.4	90	33	260	1.0	90	18.2	270	0.57	90	
31.2	90	230	2.4	90	45	240	1.3	90	29	260	0.88	90	16.0	270	0.50	90	
35.8	78	230	2.1	90	39	250	1.1	90	25	260	0.76	90	14.0	270	0.44	90	
44.6	63	230	1.7	90	31	250	0.90	90	20	260	0.61	90	11.2	270	0.35	90	
52.4	53	230	1.4	90	27	250	0.79	90	17.2	260	0.52	90	9.5	270	0.30	90	
69.0	41	230	1.1	90	20	250	0.58	90	13.0	260	0.39	90	7.2	270	0.23	90	
79.5	35	230	0.94	90	17.6	250	0.51	90	11.3	260	0.34	90	6.3	270	0.20	90	
90.6	31	200	0.72	90	15.4	230	0.41	90	9.9	250	0.29	90	5.5	265	0.17	90	
103.8	27	200	0.63	90	13.5	235	0.37	90	8.7	250	0.25	90	4.8	265	0.15	90	
129.3	22	200	0.51	90	10.8	240	0.30	90	7.0	260	0.21	90	3.9	270	0.12	90	
151.9	18.4	205	0.44	90	9.2	245	0.26	90	5.9	260	0.18	90	3.3	280	0.11	90	
200.1	14.0	210	0.34	90	7.0	250	0.20	90	4.5	260	0.14	90	2.5	280	0.08	90	
243.3	11.5	230	0.31	90	5.8	250	0.17	90	3.7	270	0.12	90	2.1	290	0.07	90	
280.4	10.0	230	0.27	90	5.0	250	0.15	90	3.2	280	0.10	90	1.8	290	0.06	90	
346.4	8.1	230	0.22	90	4.0	250	0.12	90	2.6	280	0.08	90	1.4	290	0.05	90	

OR 71



18.0

ir	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	
6.9	408	220	10.4	90	204	270	6.4	90	131	294	4.5	90	73	296	2.5	90	112 B5 112 B14
8.4	333	250	9.7	90	167	300	5.8	90	107	312	3.9	90	59	313	2.1	90	
9.9	282	260	8.5	90	141	320	5.2	90	91	350	3.7	90	50	350	2.0	90	
11.4	246	280	8.0	90	123	340	4.9	90	79	380	3.5	90	44	435	2.2	90	
13.9	201	320	7.5	90	100	400	4.7	90	65	440	3.3	90	36	490	2.1	90	
16.5	170	330	6.5	90	85	400	4.0	90	55	440	2.8	90	30	500	1.7	90	
18.7	150	330	5.8	90	75	410	3.6	90	48	460	2.6	90	27	560	1.8	90	
22.9	122	350	5.0	90	61	430	3.1	90	39	490	2.2	90	22	585	1.5	90	
27.1	103	375	4.5	90	52	460	2.8	90	33	525	2.0	90	18.5	597	1.3	90	
30.6	92	375	4.0	90	46	460	2.5	90	29	525	1.8	90	16.4	597	1.1	90	
37.1	76	375	3.3	90	38	460	2.0	90	24	525	1.5	90	13.5	597	0.94	90	
42.6	66	375	2.9	90	33	460	1.8	90	21	525	1.3	90	11.7	597	0.81	90	
49.3	57	375	2.5	90	28	460	1.5	90	18.2	525	1.1	90	10.1	599	0.70	90	
53.4	52	375	2.3	90	26	460	1.4	90	16.9	525	1.0	90	9.4	602	0.66	90	
57.9	48	375	2.1	90	24	460	1.3	90	15.5	525	0.95	90	8.6	604	0.60	90	
76.1	37	375	1.6	90	18.4	460	0.98	90	11.8	525	0.72	90	6.6	610	0.47	90	
87.4	32	375	1.4	90	16.0	460	0.86	90	10.3	525	0.63	90	5.7	612	0.41	90	
98.6	28	375	1.2	90	14.2	460	0.76	90	9.1	525	0.56	90	5.1	614	0.36	90	
107.6	26	375	1.1	90	13.0	460	0.70	90	8.4	525	0.51	90	4.6	598	0.32	90	
123.5	23	375	1.0	90	11.3	460	0.60	90	7.3	525	0.45	90	4.0	608	0.28	90	
143.1	19.6	375	0.86	90	9.8	460	0.52	90	6.3	525	0.38	90	3.5	618	0.25	90	
154.8	18.1	375	0.79	90	9.0	460	0.48	90	5.8	525	0.35	90	3.2	621	0.23	90	
168.0	16.7	375	0.73	90	8.3	460	0.44	90	5.4	525	0.33	90	3.0	622	0.22	90	
179.6	15.6	375	0.68	90	7.8	460	0.42	90	5.0	513	0.30	90	2.8	555	0.18	90	
193.6	14.5	375	0.63	90	7.2	460	0.39	90	4.6	516	0.28	90	2.6	558	0.17	90	
209.4	13.4	375	0.58	90	6.7	460	0.36	90	4.3	522	0.26	90	2.4	567	0.16	90	
220.8	12.7	375	0.55	90	6.3	460	0.34	90	4.1	525	0.25	90	2.3	625	0.17	90	
253.4	11.0	375	0.48	90	5.5	460	0.29	90	3.6	525	0.22	90	2.0	625	0.15	90	
286.0	9.8	375	0.43	90	4.9	460	0.26	90	3.1	525	0.19	90	1.7	625	0.12	90	
298.8	9.4	375	0.41	90	4.7	460	0.25	90	3.0	525	0.18	90	1.7	590	0.12	90	
342.9	8.2	375	0.36	90	4.1	460	0.22	90	2.6	525	0.16	90	1.5	607	0.11	90	
387.0	7.2	375	0.31	90	3.6	460	0.19	90	2.3	525	0.14	90	1.3	618	0.09	90	



OR 90



44.0

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	
7.2	388	325	14.7	90	194	430	9.7	90	125	457	6.6	90	69	545	4.4	90	132 B5 132 B14 112 B5 112 B14 100 B5 100 B14 90 B5 90 B14 80 B5 80 B14 71 B5
9.0	310	350	12.6	90	155	450	8.1	90	100	490	5.7	90	55	586	3.7	90	
10.1	276	357	11.5	90	138	500	8.0	90	89	550	5.7	90	49	600	3.4	90	
11.5	244	400	11.4	90	122	520	7.4	90	79	560	5.1	90	44	613	3.1	90	
13.0	215	406	10.2	90	108	540	6.8	90	69	570	4.6	90	38	613	2.7	90	
14.0	200	528	12.3	90	100	590	6.9	90	64	740	5.5	90	36	850	3.6	90	
15.7	178	570	11.8	90	89	720	7.5	90	57	780	5.2	90	32	950	3.5	90	
17.7	158	570	10.5	90	79	750	6.8	90	51	820	4.9	90	28	950	3.1	90	
20.1	139	610	9.9	90	70	790	6.4	90	45	870	4.6	90	25	950	2.8	90	
23.0	122	640	9.1	90	61	820	5.8	90	39	900	4.1	90	22	950	2.4	90	
25.7	109	700	8.9	90	55	900	5.8	90	35	980	4.0	90	19.5	1122	2.5	90	
28.8	97	740	8.4	90	49	910	5.2	90	31	1040	3.8	90	17.3	1122	2.3	90	
32.5	86	740	7.4	90	43	910	4.6	90	28	1040	3.4	90	15.4	1122	2.0	90	
36.9	76	740	6.5	90	38	910	4.0	90	24	1040	2.9	90	13.5	1122	1.8	90	
42.2	66	740	5.7	90	33	910	3.5	90	21	1040	2.5	90	11.9	1122	1.6	90	
45.2	62	740	5.3	90	31	910	3.3	90	19.9	1040	2.4	90	11.1	1122	1.4	90	
52.4	53	740	4.6	90	27	910	2.9	90	17.2	1040	2.1	90	9.5	1122	1.2	90	
59.5	47	740	4.0	90	24	910	2.5	90	15.1	1040	1.8	90	8.4	1122	1.1	90	
73.3	38	740	3.3	90	19.1	910	2.0	90	12.3	1040	1.5	90	6.8	1122	0.89	90	
80.7	35	740	3.0	90	17.4	910	1.8	90	11.2	1040	1.4	90	6.2	1122	0.81	90	
92.5	30	740	2.6	90	15.1	910	1.6	90	9.7	1040	1.2	90	5.4	1122	0.70	90	
94.4	30	740	2.6	90	14.8	910	1.6	90	9.5	1040	1.1	90	5.3	1122	0.69	90	
106.7	26	740	2.2	90	13.1	910	1.4	90	8.4	1040	1.0	90	4.7	1122	0.61	90	
122.3	23	740	2.0	90	11.4	910	1.2	90	7.4	1040	0.90	90	4.1	1122	0.54	90	
131.1	21	740	1.8	90	10.7	910	1.1	90	6.9	1040	0.83	90	3.8	1122	0.50	90	
151.9	18.4	740	1.6	90	9.2	910	0.97	90	5.9	1040	0.71	90	3.3	1122	0.43	90	
165.2	16.9	740	1.5	90	8.5	910	0.90	90	5.4	1040	0.65	90	3.0	1122	0.39	90	
212.6	13.2	740	1.1	90	6.6	910	0.70	90	4.2	1040	0.51	90	2.4	1122	0.31	90	
234.1	12.0	740	1.0	90	6.0	910	0.64	90	3.8	1040	0.46	90	2.1	1122	0.27	90	
268.3	10.4	740	0.90	90	5.2	910	0.55	90	3.4	1040	0.41	90	1.9	1122	0.25	90	
294.9	9.5	740	0.82	90	4.7	910	0.50	90	3.1	1040	0.38	90	1.7	1122	0.22	90	
309.6	9.0	740	0.77	90	4.5	910	0.48	90	2.9	1040	0.35	90	1.6	1122	0.21	90	
338.1	8.3	740	0.71	90	4.1	910	0.43	90	2.7	1040	0.33	90	1.5	1122	0.20	90	
390.0	7.2	740	0.62	90	3.6	910	0.38	90	2.3	1040	0.28	90	1.3	1122	0.17	90	



OR 112



68.0

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
7.7	366	540	23	90	183	670	14.3	90	118	760	10.4	90	65	800	6.1	90	160 B5 132 B5 112 B5 100 B5 90 B5 80 B5
8.9	315	580	21	90	157	715	13.1	90	101	810	9.5	90	56	850	5.5	90	
11.8	238	690	19.1	90	119	850	11.8	90	77	970	8.7	90	43	1000	5.0	90	
13.1	214	720	17.9	90	107	890	11.1	90	69	1000	8.0	90	38	1050	4.6	90	
16.1	174	940	19.0	90	87	1160	11.7	90	56	1300	8.5	90	31	1400	5.0	90	
17.9	156	1000	18.2	90	78	1230	11.2	90	50	1400	8.1	90	28	1450	4.7	90	
20.9	134	1040	16.2	90	67	1280	10.0	90	43	1460	7.3	90	24	1500	4.2	90	
22.3	126	1350	19.8	90	63	1750	12.8	90	40	1850	8.6	90	22	1900	4.9	90	
23.6	119	1100	15.2	90	59	1350	9.3	90	38	1540	6.8	90	21	1500	3.7	90	
25.6	109	1130	14.3	90	55	1400	9.0	90	35	1600	6.5	90	19.5	1600	3.6	90	
29.4	95	1420	15.7	90	48	1750	9.8	90	31	1900	6.9	90	17.0	1900	3.8	90	
32.8	85	1450	14.3	90	43	1750	8.8	90	27	1900	6.0	90	15.2	1900	3.4	90	
38.2	73	1450	12.3	90	37	1750	7.5	90	24	1900	5.3	90	13.1	1900	2.9	90	
43.2	65	1450	11.0	90	32	1750	6.5	90	21	1900	4.6	90	11.6	1900	2.6	90	
46.8	60	1450	10.1	90	30	1750	6.1	90	19.2	1900	4.2	90	10.7	1900	2.4	90	
53.4	52	1450	8.8	90	26	1750	5.3	90	16.9	1900	3.7	90	9.4	1900	2.1	90	
57.2	49	1450	8.3	90	24	1750	4.9	90	15.7	1900	3.5	90	8.7	1900	1.9	90	
64.6	43	1450	7.3	90	22	1750	4.5	90	13.9	1900	3.1	90	7.7	1900	1.7	90	
77.0	36	1450	6.1	90	18.2	1750	3.7	90	11.7	1900	2.6	90	6.5	1900	1.4	90	
85.4	33	1450	5.6	90	16.4	1750	3.3	90	10.5	1900	2.3	90	5.9	1900	1.3	90	
93.9	30	1450	5.1	90	14.9	1750	3.0	90	9.6	1900	2.1	90	5.3	1900	1.2	90	
102.8	27	1450	4.6	90	13.6	1750	2.8	90	8.8	1900	1.9	90	4.9	1900	1.1	90	
110.9	25	1450	4.2	90	12.6	1750	2.6	90	8.1	1900	1.8	90	4.5	1900	0.99	90	
125.2	22	1450	3.7	90	11.2	1750	2.3	90	7.2	1900	1.6	90	4.0	1900	0.88	90	
135.6	21	1450	3.5	90	10.3	1750	2.1	90	6.6	1900	1.5	90	3.7	1900	0.82	90	
154.8	18.1	1450	3.1	90	9.0	1750	1.8	90	5.8	1900	1.3	90	3.2	1900	0.71	90	
166.0	16.9	1450	2.9	90	8.4	1750	1.7	90	5.4	1900	1.2	90	3.0	1900	0.66	90	
194.9	14.4	1450	2.4	90	7.2	1750	1.5	90	4.6	1750	0.94	90	2.6	1750	0.53	90	
223.5	12.5	1450	2.1	90	6.3	1750	1.3	90	4.0	1900	0.88	90	2.2	1900	0.49	90	
247.9	11.3	1450	1.9	90	5.6	1750	1.1	90	3.6	1900	0.80	90	2.0	1900	0.44	90	
272.4	10.3	1450	1.7	90	5.1	1750	1.0	90	3.3	1900	0.73	90	1.8	1900	0.40	90	
298.1	9.4	1450	1.6	90	4.7	1750	0.96	90	3.0	1900	0.66	90	1.7	1900	0.38	90	
342.9	8.2	1450	1.4	90	4.1	1750	0.83	90	2.6	1750	0.53	90	1.5	1750	0.31	90	
375.3	7.5	1450	1.3	90	3.7	1750	0.75	90	2.4	1750	0.49	90	1.3	1750	0.26	90	

N.B. Per i riduttori evidenziati dal doppio bordo nella colonna delle potenze è necessario verificare lo scambio termico del riduttore (come indicato nel par. 1.5). Per maggiori informazioni contattare l'ufficio tecnico STM.

NOTE. Please pay attention to the frame around the input power value: for this gearboxes it's important to check the thermal capacity (comp. par. 1.5). For details please contact our technical department.
For details please contact our technical

HINWEIS. Sind in den Tabellen Nennleistungen eingerahmt, so ist die thermische Leistungsgrenze der Getriebe zu beachten (s. Kapitel 1.5). Für weitere Informationen wenden Sie sich bitte an unser technisches Büro.

N.B. I pesi riportati sono indicativi e possono variare in funzione della versione del riduttore.

NOTE. Listed weights are for reference only and can vary according to the gearbox version.

HINWEIS. Die angegebenen Gewichtsmaße sind Richtwerte und können je nach Getriebeversion variieren.



ROC 125



100

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
ROC3.																	
10.0	280	2140	67	94	145	2250	36	94	90	2500	25	94	50	2600	14.5	94	90 B5 100 B5 112 B5 132 B5 160 B5 180 B5 200 B5
12.4	226	2380	60	94	117	2500	33	94	73	2550	21	94	40	2650	11.9	94	
16.3	172	2380	46	94	89	2500	25	94	55	2550	15.7	94	31	2650	9.1	94	
20.6	136	2420	37	94	70	2550	20	94	44	2600	12.7	94	24	2750	7.4	94	
23.3	120	2470	33	94	62	2600	18.0	94	39	2650	11.4	94	21	2750	6.6	94	
24.9	113	2470	31	94	58	2600	16.9	94	36	2650	10.7	94	20	2800	6.3	94	
28.5	98	2470	27	94	51	2600	14.7	94	32	2650	9.3	94	17.6	2800	5.5	94	
30.6	92	2470	25	94	47	2600	13.7	94	29	2650	8.7	94	16.3	2800	5.1	94	
35.6	79	2570	23	94	41	2700	12.2	94	25	2750	7.7	94	14.0	2800	4.4	94	
38.6	73	2570	21	94	38	2700	11.3	94	23	2750	7.1	94	13.0	2800	4.0	94	
46.0	61	2570	17.4	94	32	2700	9.5	94	19.6	2750	6.0	94	10.9	2800	3.4	94	
50.6	55	2660	16.4	94	29	2800	8.9	94	17.8	2800	5.5	94	9.9	2800	3.1	94	
55.1	51	2660	15.1	94	26	2800	8.2	94	16.3	2800	5.1	94	9.1	2800	2.8	94	
65.0	43	2660	12.8	94	22	2800	7.0	94	13.8	2800	4.3	94	7.7	2800	2.4	94	
71.2	39	2660	11.7	94	20	2800	6.4	94	12.6	2800	3.9	94	7.0	2800	2.2	94	
82.9	34	2570	9.7	94	17.5	2700	5.3	94	10.9	2750	3.3	94	6.0	2800	1.9	94	
89.8	31	2570	8.9	94	16.1	2700	4.9	94	10.0	2750	3.1	94	5.6	2800	1.7	94	
97.8	29	2570	8.2	94	14.8	2700	4.5	94	9.2	2750	2.8	94	5.1	2800	1.6	94	
107.1	26	2570	7.5	94	13.5	2700	4.1	94	8.4	2750	2.6	94	4.7	2800	1.5	94	
ROC4.																	
126.8	22	2660	6.7	92	11.4	2800	3.6	92	7.1	2800	2.3	92	3.9	2800	1.3	92	63 B5 71 B5 80 B5 90 B5 100 B5 112 B5
137.5	20	2660	6.2	92	10.5	2800	3.4	92	6.5	2800	2.1	92	3.6	2800	1.2	92	
163.9	17.1	2660	5.2	92	8.8	2800	2.8	92	5.5	2800	1.7	92	3.1	2800	1.0	92	
180.4	15.5	2660	4.7	92	8.0	2800	2.6	92	5.0	2800	1.6	92	2.8	2800	0.9	92	
207.0	13.5	2570	4.0	92	7.0	2700	2.2	92	4.3	2750	1.4	92	2.4	2800	0.8	92	
225.4	12.4	2570	3.6	92	6.4	2700	2.0	92	4.0	2750	1.2	92	2.2	2800	0.7	92	
246.6	11.4	2570	3.3	92	5.9	2700	1.8	92	3.6	2750	1.1	92	2.0	2800	0.6	92	
271.4	10.3	2570	3.0	92	5.3	2700	1.6	92	3.3	2750	1.0	92	1.8	2800	0.6	92	
303.0	9.2	2570	2.7	92	4.8	2700	1.5	92	3.0	2750	0.9	92	1.6	2800	0.5	92	
352.7	7.9	2570	2.3	92	4.1	2700	1.3	92	2.6	2750	0.8	92	1.4	2800	0.5	92	
382.5	7.3	2570	2.1	92	3.8	2700	1.2	92	2.4	2750	0.7	92	1.3	2800	0.4	92	
455.8	6.1	2570	1.8	92	3.2	2700	1.0	92	2.0	2750	0.6	92	1.1	2800	0.3	92	
501.6	5.6	2570	1.6	92	2.9	2700	0.9	92	1.8	2750	0.6	92	1.0	2800	0.3	92	
555.7	5.0	2570	1.5	92	2.6	2700	0.8	92	1.6	2750	0.5	92	0.9	2800	0.3	92	



110



ROC 140



140

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
ROC3.																	
9.8	285	3090	98	94	148	3250	53	94	92	3500	36	94	51	3700	21	94	100 B5 112 B5 132 B5 160 B5 180 B5 200 B5 225 B5
12.1	231	3280	84	94	119	3450	46	94	74	3600	30	94	41	3800	17.4	94	
16.0	175	3330	65	94	91	3500	35	94	56	3600	23	94	31	3800	13.2	94	
20.2	139	3420	53	94	72	3600	29	94	45	3700	18.4	94	25	3900	10.8	94	
22.9	122	3520	48	94	63	3700	26	94	39	3800	16.7	94	22	3900	9.5	94	
24.4	115	3520	45	94	59	3700	24	94	37	3800	15.6	94	20	4000	9.1	94	
28.0	100	3520	39	94	52	3700	21	94	32	3800	13.6	94	17.9	4000	8.0	94	
30.0	93	3520	37	94	48	3700	19.9	94	30	3800	12.7	94	16.6	4000	7.4	94	
35.0	80	3610	32	94	41	3800	17.6	94	26	3900	11.2	94	14.3	4000	6.4	94	
37.9	74	3610	30	94	38	3800	16.2	94	24	3900	10.3	94	13.2	4000	5.9	94	
45.2	62	3610	25	94	32	3800	13.6	94	19.9	3900	8.7	94	11.1	4000	4.9	94	
49.7	56	3800	24	94	29	4000	13.0	94	18.1	4000	8.1	94	10.1	4000	4.5	94	
53.9	52	3800	22	94	27	4000	12.0	94	16.7	4000	7.4	94	9.3	4000	4.1	94	
64.5	43	3800	18.4	94	22	4000	10.0	94	14.0	4000	6.2	94	7.8	4000	3.5	94	
71.2	39	3800	16.7	94	20	4000	9.1	94	12.6	4000	5.6	94	7.0	4000	3.1	94	
81.2	35	3610	13.9	94	17.9	3800	7.6	94	11.1	3900	4.8	94	6.2	4000	2.7	94	
88.5	32	3610	12.7	94	16.4	3800	6.9	94	10.2	3900	4.4	94	5.7	4000	2.5	94	
97.0	29	3610	11.6	94	14.9	3800	6.3	94	9.3	3900	4.0	94	5.2	4000	2.3	94	
107.1	26	3610	10.5	94	13.5	3800	5.7	94	8.4	3900	3.7	94	4.7	4000	2.1	94	
ROC4.																	
126.7	22	3800	9.6	92	11.4	4000	5.2	92	7.1	4000	3.2	92	3.9	4000	1.8	92	71 B5 80 B5 90 B5 100 B5 112 B5 132 B5
137.4	20	3800	8.8	92	10.6	4000	4.8	92	6.5	4000	3.0	92	3.6	4000	1.7	92	
163.8	17.1	3800	7.4	92	8.9	4000	4.0	92	5.5	4000	2.5	92	3.1	4000	1.4	92	
180.2	15.5	3800	6.7	92	8.0	4000	3.7	92	5.0	4000	2.3	92	2.8	4000	1.3	92	
206.8	13.5	3800	5.9	92	7.0	3800	3.0	92	4.4	3900	1.9	92	2.4	4000	1.1	92	
225.2	12.4	3610	5.1	92	6.4	3800	2.8	92	4.0	3900	1.8	92	2.2	4000	1.0	92	
246.4	11.4	3610	4.7	92	5.9	3800	2.5	92	3.7	3900	1.6	92	2.0	4000	0.9	92	
271.2	10.3	3610	4.2	92	5.3	3800	2.3	92	3.3	3900	1.5	92	1.8	4000	0.8	92	
308.8	9.1	3610	3.7	92	4.7	3800	2.0	92	2.9	3900	1.3	92	1.6	4000	0.7	92	
359.4	7.8	3610	3.2	92	4.0	3800	1.7	92	2.5	3900	1.1	92	1.4	4000	0.6	92	
389.8	7.2	3610	3.0	92	3.7	3800	1.6	92	2.3	3900	1.0	92	1.3	4000	0.6	92	
424.5	6.6	3610	2.7	92	3.4	3800	1.5	92	2.1	3900	0.9	92	1.2	4000	0.5	92	
511.2	5.5	3610	2.3	92	2.8	3800	1.2	92	1.8	3900	0.8	92	1.0	4000	0.4	92	
566.4	4.9	3610	2.0	92	2.6	3800	1.1	92	1.6	3900	0.7	92	0.9	4000	0.4	92	



155



ROC 160



180

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
ROC3.																	
10.0	280	4660	145	94	145	4900	79.1	94	90	5000	50	94	50	5200	29	94	100 B5 112 B5 132 B5 160 B5 180 B5 200 B5 225 B5 250 B5
12.4	226	4750	120	94	117	5000	65.3	94	73	5100	41	94	40	5300	24	94	
16.3	172	4750	91	94	89	5000	49.6	94	55	5100	31	94	31	5300	18.1	94	
20.6	136	4850	74	94	70	5100	40.0	94	44	5200	25	94	24	5500	14.9	94	
23.3	120	4940	66	94	62	5200	36.0	94	39	5300	23	94	21	5500	13.1	94	
24.9	113	4940	62	94	58	5200	33.8	94	36	5300	21	94	20	5600	12.5	94	
28.5	98	4940	54	94	51	5200	29.5	94	32	5300	18.7	94	17.6	5600	11.0	94	
30.6	92	4940	50	94	47	5200	27.5	94	29	5300	17.4	94	16.3	5600	10.2	94	
35.6	79	5130	45	94	41	5400	24.5	94	25	5500	15.5	94	14.0	5600	8.8	94	
38.6	73	5130	41	94	38	5400	22.6	94	23	5500	14.3	94	13.0	5600	8.1	94	
46.0	61	5130	35	94	32	5400	19.0	94	19.6	5500	12.0	94	10.9	5600	6.8	94	
50.6	55	5320	33	94	29	5600	17.9	94	17.8	5600	11.1	94	9.9	5600	6.2	94	
54.9	51	5320	30	94	26	5600	16.5	94	16.4	5600	10.2	94	9.1	5600	5.7	94	
65.7	43	5320	25	94	22	5600	13.8	94	13.7	5600	8.5	94	7.6	5600	4.7	94	
72.5	39	5320	23	94	20	5600	12.5	94	12.4	5600	7.7	94	6.9	5600	4.3	94	
82.7	34	5130	19.4	94	17.5	5400	10.6	94	10.9	5500	6.7	94	6.0	5600	3.8	94	
90.1	31	5130	17.8	94	16.1	5400	9.7	94	10.0	5500	6.1	94	5.5	5600	3.5	94	
98.8	28	5130	16.2	94	14.7	5400	8.8	94	9.1	5500	5.6	94	5.1	5600	3.2	94	
109.1	26	5130	14.7	94	13.3	5400	8.0	94	8.3	5500	5.1	94	4.6	5600	2.9	94	
ROC4.																	
129.1	22	5320	13.1	92	11.2	5600	7.2	92	7.0	5600	4.4	92	3.9	5600	2.5	92	71 B5 80 B5 90 B5 100 B5 112 B5 132 B5
140.0	20	5320	12.1	92	10.4	5600	6.6	92	6.4	5600	4.1	92	3.6	5600	2.3	92	
166.8	16.8	5320	10.2	92	8.7	5600	5.5	92	5.4	5600	3.4	92	3.0	5600	1.9	92	
183.6	15.3	5320	9.2	92	7.9	5600	5.0	92	4.9	5600	3.1	92	2.7	5600	1.7	92	
210.6	13.3	5130	7.8	92	6.9	5400	4.2	92	4.3	5500	2.7	92	2.4	5600	1.5	92	
229.3	12.2	5130	7.1	92	6.3	5400	3.9	92	3.9	5500	2.5	92	2.2	5600	1.4	92	
251.0	11.2	5130	6.5	92	5.8	5400	3.6	92	3.6	5500	2.2	92	2.0	5600	1.3	92	
276.2	10.1	5130	5.9	92	5.3	5400	3.2	92	3.3	5500	2.0	92	1.8	5600	1.2	92	
314.6	8.9	5130	5.2	92	4.6	5400	2.8	92	2.9	5500	1.8	92	1.6	5600	1.0	92	
366.1	7.6	5130	4.5	92	4.0	5400	2.4	92	2.5	5500	1.5	92	1.4	5600	0.9	92	
397.0	7.1	5130	4.1	92	3.7	5400	2.2	92	2.3	5500	1.4	92	1.3	5600	0.8	92	
432.3	6.5	5130	3.8	92	3.4	5400	2.1	92	2.1	5500	1.3	92	1.2	5600	0.7	92	
520.6	5.4	5130	3.1	92	2.8	5400	1.7	92	1.7	5500	1.1	92	1.0	5600	0.6	92	
576.8	4.9	5130	2.8	92	2.5	5400	1.5	92	1.6	5500	1.0	92	0.9	5600	0.6	92	



200



ROC 180



270

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
ROC3.																	
9.7	290	6180	199	94	150	6500	109	94	93	7050	73	94	52	7500	43	94	132 B5 160 B5 180 B5 200 B5 225 B5 250 B5 280 B5
12.9	217	6650	161	94	113	7000	88	94	70	7150	56	94	39	7700	33	94	
16.0	175	6650	130	94	91	7000	71	94	56	7150	45	94	31	7700	27	94	
20.1	139	6840	106	94	72	7200	58	94	45	7400	37	94	25	7900	22	94	
22.7	123	7130	98	94	64	7500	53	94	40	7700	34	94	22	7900	19.4	94	
25.8	109	7130	86	94	56	7500	47	94	35	7700	30	94	19.4	8000	17.3	94	
27.6	102	7130	81	94	53	7500	44	94	33	7700	28	94	18.1	8000	16.2	94	
31.7	88	7130	70	94	46	7500	38	94	28	7700	24	94	15.8	8000	14.1	94	
34.1	82	7320	67	94	43	7700	36	94	26	7900	23	94	14.7	8000	13.1	94	
40.0	70	7320	57	94	36	7700	31	94	23	7900	19.8	94	12.5	8000	11.2	94	
43.5	64	7320	52	94	33	7700	29	94	21	7900	18.2	94	11.5	8000	10.2	94	
52.4	53	7600	45	94	28	8000	25	94	17.2	8000	15.3	94	9.5	8000	8.5	94	
55.9	50	7600	42	94	26	8000	23	94	16.1	8000	14.3	94	8.9	8000	8.0	94	
61.0	46	7600	39	94	24	8000	21	94	14.8	8000	13.2	94	8.2	8000	7.3	94	
73.8	38	7600	32	94	19.6	8000	17.5	94	12.2	8000	10.9	94	6.8	8000	6.0	94	
84.2	33	7320	27	94	17.2	7700	14.8	94	10.7	7900	9.4	94	5.9	8000	5.3	94	
91.7	31	7320	25	94	15.8	7700	13.6	94	9.8	7900	8.6	94	5.4	8000	4.9	94	
100.6	28	7320	23	94	14.4	7700	12.4	94	8.9	7900	7.9	94	5.0	8000	4.4	94	
111.1	25	7320	21	94	13.1	7700	11.2	94	8.1	7900	7.1	94	4.5	8000	4.0	94	
123.6	23	7320	18.5	94	11.7	7700	10.1	94	7.3	7900	6.4	94	4.0	8000	3.6	94	
ROC4.																	
142.1	19.7	7600	17.0	92	10.2	8000	9.3	92	6.3	8000	5.8	92	3.5	8000	3.2	92	80 B5 90 B5 100 B5 112 B5 132 B5 160 B5
154.7	18.1	7600	15.7	92	9.4	8000	8.5	92	5.8	8000	5.3	92	3.2	8000	2.9	92	
186.2	15.0	7600	13.0	92	7.8	8000	7.1	92	4.8	8000	4.4	92	2.7	8000	2.4	92	
206.2	13.6	7600	11.7	92	7.0	8000	6.4	92	4.4	8000	4.0	92	2.4	8000	2.2	92	
232.7	12.0	7320	10.0	92	6.2	7700	5.5	92	3.9	7900	3.5	92	2.1	8000	2.0	92	
254.6	11.0	7320	9.2	92	5.7	7700	5.0	92	3.5	7900	3.2	92	2.0	8000	1.8	92	
280.1	10.0	7320	8.3	92	5.2	7700	4.5	92	3.2	7900	2.9	92	1.8	8000	1.6	92	
327.8	8.5	7320	7.1	92	4.4	7700	3.9	92	2.7	7900	2.5	92	1.5	8000	1.4	92	
383.9	7.3	7320	6.1	92	3.8	7700	3.3	92	2.3	7900	2.1	92	1.3	8000	1.2	92	
417.9	6.7	7320	5.6	92	3.5	7700	3.0	92	2.2	7900	1.9	92	1.2	8000	1.1	92	
457.2	6.1	7320	5.1	92	3.2	7700	2.8	92	2.0	7900	1.8	92	1.1	8000	1.0	92	
503.0	5.6	7320	4.6	92	2.9	7700	2.5	92	1.8	7900	1.6	92	1.0	8000	0.9	92	
557.2	5.0	7320	4.2	92	2.6	7700	2.3	92	1.6	7900	1.5	92	0.9	8000	0.8	92	



285



ROC 200



340

ir	$n_1 = 2800 \text{ min}^{-1}$				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				IEC
	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	n_2	T_{2M}	P	RD	
	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	min^{-1}	Nm	kW	%	
ROC3.																	
10.1	277	9310	288	94	144	9800	157	94	89	10000	99	94	50	10500	58	94	132 B5 160 B5 180 B5 200 B5 225 B5 250 B5 280 B5
12.4	226	9410	237	94	117	9900	129	94	73	10100	82	94	40	10800	49	94	
15.2	184	9410	193	94	95	9900	105	94	59	10100	66	94	33	10800	39	94	
21.3	132	9600	141	94	68	10100	77	94	42	10350	49	94	24	11000	29	94	
22.5	124	9980	138	94	64	10500	75	94	40	10750	48	94	22	11200	28	94	
25.5	110	9980	122	94	57	10500	67	94	35	10750	42	94	19.6	11200	24	94	
29.0	96	9980	107	94	50	10500	58	94	31	10750	37	94	17.2	11200	21	94	
31.1	90	9980	100	94	47	10500	55	94	29	10750	35	94	16.1	11200	20.1	94	
35.9	78	10260	89	94	40	10800	49	94	25	11000	31	94	13.9	11200	17.4	94	
38.7	72	10260	83	94	37	10800	45	94	23	11000	28	94	12.9	11200	16.1	94	
45.7	61	10260	70	94	32	10800	38	94	19.7	11000	24	94	10.9	11200	13.7	94	
50.0	56	10640	66	94	29	11200	36	94	18.0	11200	22	94	10.0	11200	12.5	94	
54.9	51	10640	60	94	26	11200	33	94	16.4	11200	20	94	9.1	11200	11.4	94	
62.1	45	10640	53	94	23	11200	29	94	14.5	11200	18.1	94	8.1	11200	10.1	94	
68.1	41	10640	49	94	21	11200	27	94	13.2	11200	16.5	94	7.3	11200	9.2	94	
75.1	37	10640	44	94	19.3	11200	24	94	12.0	11200	14.9	94	6.7	11200	8.3	94	
93.4	30	10260	34	94	15.5	10800	18.7	94	9.6	11000	11.8	94	5.4	11200	6.7	94	
102.4	27	10260	31	94	14.2	10800	17.0	94	8.8	11000	10.8	94	4.9	11200	6.1	94	
113.1	25	10260	28	94	12.8	10800	15.4	94	8.0	11000	9.8	94	4.4	11200	5.5	94	
125.8	22	10260	25	94	11.5	10800	13.9	94	7.2	11000	8.8	94	4.0	11200	5.0	94	

ROC4.																	
137.8	20	10640	25	92	10.5	11200	13.4	92	6.5	11200	8.3	92	3.6	11200	4.6	92	80 B5 90 B5 100 B5 112 B5 132 B5 160 B5
162.4	17.2	10640	21	92	8.9	11200	11.4	92	5.5	11200	7.1	92	3.1	11200	3.9	92	
177.6	15.8	10640	19.1	92	8.2	11200	10.4	92	5.1	11200	6.5	92	2.8	11200	3.6	92	
195.3	14.3	10640	17.4	92	7.4	11200	9.5	92	4.6	11200	5.9	92	2.6	11200	3.3	92	
207.3	13.5	10260	15.8	92	7.0	10800	8.6	92	4.3	11000	5.4	92	2.4	11200	3.1	92	
244.4	11.5	10260	13.4	92	5.9	10800	7.3	92	3.7	11000	4.6	92	2.0	11200	2.6	92	
267.3	10.5	10260	12.2	92	5.4	10800	6.7	92	3.4	11000	4.2	92	1.9	11200	2.4	92	
293.9	9.5	10260	11.1	92	4.9	10800	6.1	92	3.1	11000	3.8	92	1.7	11200	2.2	92	
344.7	8.1	10260	9.5	92	4.2	10800	5.2	92	2.6	11000	3.3	92	1.5	11200	1.8	92	
372.2	7.5	10260	8.8	92	3.9	10800	4.8	92	2.4	11000	3.0	92	1.3	11200	1.7	92	
438.9	6.4	10260	7.5	92	3.3	10800	4.1	92	2.1	11000	2.6	92	1.1	11200	1.5	92	
479.9	5.8	10260	6.8	92	3.0	10800	3.7	92	1.9	11000	2.3	92	1.0	11200	1.3	92	
527.8	5.3	10260	6.2	92	2.7	10800	3.4	92	1.7	11000	2.1	92	0.9	11200	1.2	92	
584.3	4.8	10260	5.6	92	2.5	10800	3.1	92	1.5	11000	1.9	92	0.9	11200	1.1	92	



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Nella tab. 3.6 sono riportate le grandezze motore accoppiabili (IEC) unitamente alle dimensioni albero/flangia motore standard.

In table 3.6 the possible shaft/flange dimensions IEC standard are listed.

In Tabelle 3.6 sind die verfügbaren IEC-Standardmotoreingänge mit den Wellen- u. Flanschabmessungen aufgelistet.

Tab.3.6

Possibili accoppiamenti con motori IEC - Possible couplings with IEC motors Mögliche Verbindungen mit IEC-Motoren			
	IEC	ir	
		Tutti / All / Alle	
OM 63	63	11/140 (B5)	
	71	14/160 (B5)	
	80	19/200 (B5) - 19/120 (B14)	19/160 - 19/140
	90	24/200 (B5) - 24/140 (B14)	24/160 - 24/120
	100	28/250 (B5) - 28/160 (B14)	
OM 71	63	11/140 (B5)	
	71	14/160 (B5)	14/200 - 14/140 - 14/120
	80	19/200 (B5) - 19/120 (B14)	19/160 - 19/140
	90	24/200 (B5) - 24/140 (B14)	24/160 - 24/120
	100	28/250 (B5) - 28/160 (B14)	
OM 90	71	14/160 (B5)	
	80	19/200 (B5) - 19/120 (B14)	19/160 - 19/140
	90	24/200 (B5) - 24/140 (B14)	24/300 - 24/250 24/160 - 24/120
	100	28/250 (B5) - 28/160 (B14)	28/200 - 28/300
	112	28/250 (B5) - 28/160 (B14)	
	132	38/300 (B5) - 38/200 (B14)	
OM 112	80	19/200 (B5)	
	90	24/200 (B5)	
	100	28/250 (B5)	28/350 - 28/300
	112	28/250 (B5)	
	132	38/300 (B5)	
	160	42/350 (B5)	

Legenda:

19/200 (B5) 19/160

19/200 : combinazioni albero/flangia standard
(B5) : forma costruttiva motore IEC
19/160 : combinazione albero/flangia a richiesta

Key:

19/200 (B5) 19/160

19/200 : standard shaft/flange combination
(B5) : IEC motor constructive shape
19/160 : shaft/flange combinations upon request

Legende:

19/200 (B5) 19/160

19/200 : Standardkombinationen Welle/Flansch
(B5) : Konstruktionsform IEC-Motor
19/160 : Sonderkombinationen Welle/Flansch

ROC3.		Possibili accoppiamenti con motori IEC Possible couplings with IEC motors Mögliche Verbindungen mit IEC-Motoren		ROC4.	
	IEC	ir		IEC	
		Tutti / All / Alle			
		11/140 (B5)		63	ROC 125
		14/160 (B5)		71	
		19/200 (B5)		80	
ROC 125	90	24/200 (B5)		90	ROC 140
	100	28/250 (B5)		100	
	112	28/250 (B5)		112	
	132	38/300 (B5)			
	160	42/350 (B5)			
	180	48/350 (B5)			
ROC 140		14/160 (B5)		71	ROC 160
		19/200 (B5)		80	
		24/200 (B5)		90	
	100	28/250 (B5)		100	
	112	28/250 (B5)		112	
	132	38/300 (B5)		132	
ROC 140	160	42/350 (B5)			ROC 180
	180	48/350 (B5)			
	200	55/400 (B5)			
	225	55/450 - 60/450 (B5)			
		14/160 (B5)		71	
		19/200 (B5)		80	
		24/200 (B5)		90	
	100	28/250 (B5)		100	
ROC 160	112	28/250 (B5)		112	ROC 200
	132	38/300 (B5)		132	
	160	42/350 (B5)			
	180	48/350 (B5)			
	200	55/400 (B5)			
	225	55/450 - 60/450 (B5)			
	250	60/550 - 65/550 (B5)			
		19/200 (B5)		80	
	24/200 (B5)		90		
ROC 180		28/250 (B5)		100	ROC 200
		28/250 (B5)		112	
	132	38/300 (B5)		132	
	160	42/350 (B5)		160	
	200	55/400 (B5)			
ROC 180	225	55/450 - 60/450 (B5)			ROC 200
	250	60/550 - 65/550 (B5)			
	280	65/550 - 75/550 (B5)			
		19/200 (B5)		80	
		24/200 (B5)		90	
		28/250 (B5)		100	
		28/250 (B5)		112	
ROC 200	132	38/300 (B5)		132	ROC 200
	160	42/350 (B5)		160	
	180	48/350 (B5)			
	200	55/400 (B5)			
	225	55/450 - 60/450 (B5)			
	250	60/550 - 65/550 (B5)			
280	65/550 - 75/550 (B5)				



3.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.09 kW	$n_1 = 860 \text{ min}^{-1}$	63B 6
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44	19.5	18	14.0	63	63B 6
31	27.5	25	10.5	63	63B 6
28	31.2	28	9.3	63	63B 6
24	35.8	32	8.1	63	63B 6
19.3	44.6	40	6.5	63	63B 6
16.4	52.4	47	5.5	63	63B 6
12.5	69.0	62	4.2	63	63B 6
10.8	79.5	71	3.6	63	63B 6
9.5	90.6	82	3.1	63	63B 6
8.3	103.8	93	2.7	63	63B 6
6.7	129.3	116	2.2	63	63B 6
5.7	151.9	137	1.9	63	63B 6
4.8	179.6	162	3.2	71	63B 6
4.4	193.6	174	3.0	71	63B 6
4.3	200.1	180	1.4	63	63B 6
3.9	220.8	199	2.6	71	63B 6
3.5	243.3	219	1.2	63	63B 6
3.4	253.4	228	2.3	71	63B 6
3.1	280.4	252	1.1	63	63B 6
3.0	286.0	257	2.0	71	63B 6
2.5	342.9	308	1.7	71	63B 6
2.5	346.4	312	0.9	63	63B 6
2.2	387.0	348	1.5	71	63B 6

0.13 kW	$n_1 = 1360 \text{ min}^{-1}$ $n_1 = 860 \text{ min}^{-1}$	63A 4 63C 6
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57	23.7	20	12.3	63	63A 4
50	27.5	23	10.6	63	63A 4
44	30.6	25	18.3	71	63A 4
44	31.2	26	9.3	63	63A 4
38	35.8	29	8.5	63	63A 4
31	44.6	37	6.8	63	63A 4
26	52.4	43	5.8	63	63A 4
19.7	69.0	57	4.4	63	63A 4
17.1	79.5	65	3.8	63	63A 4
15.0	90.6	74	3.1	63	63A 4
13.1	103.8	85	2.8	63	63A 4
10.5	129.3	106	2.3	63	63A 4
9.0	151.9	125	2.0	63	63A 4
8.1	168.0	138	3.3	71	63A 4
7.6	179.6	148	3.1	71	63A 4
7.0	193.6	159	2.9	71	63A 4
6.8	200.1	164	1.5	63	63A 4
6.5	209.4	172	2.7	71	63A 4
6.2	220.8	181	2.5	71	63A 4
5.6	243.3	200	1.3	63	63A 4
5.4	253.4	208	2.2	71	63A 4
4.8	280.4	230	1.1	63	63A 4
4.6	298.8	245	1.9	71	63A 4
4.0	342.9	282	1.6	71	63A 4
3.9	346.4	285	0.9	63	63A 4
3.5	387.0	318	1.4	71	63A 4
2.9	298.8	388	1.4	71	63C 6
2.5	342.9	445	1.2	71	63C 6
2.2	387.0	503	1.0	71	63C 6

3.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.18 kW	$n_1 = 1370 \text{ min}^{-1}$ $n_1 = 870 \text{ min}^{-1}$	63B 4 71A 6
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92	14.8	17	13.1	63	63B 4
80	17.2	19	11.4	63	63B 4
70	19.5	22	10.4	63	63B 4
58	23.7	27	9.0	63	63B 4
50	27.5	31	7.7	63	63B 4
44	31.2	35	6.8	63	63B 4
38	35.8	40	6.2	63	63B 4
31	44.6	50	5.0	63	63B 4
26	52.4	59	4.2	63	63B 4
19.9	69.0	78	3.2	63	63B 4
17.2	79.5	90	2.8	63	63B 4
15.1	90.6	102	2.2	63	63B 4
13.2	103.8	117	2.0	63	63B 4
11.1	123.5	139	3.3	71	63B 4
10.6	129.3	146	1.6	63	63B 4
9.6	143.1	162	2.8	71	63B 4
9.0	151.9	172	1.4	63	63B 4
8.9	154.8	175	2.6	71	63B 4
8.2	168.0	190	2.4	71	63B 4
7.6	179.6	203	2.3	71	63B 4
7.1	193.6	219	2.1	71	63B 4
6.8	200.1	226	1.1	63	63B 4
6.5	209.4	236	1.9	71	63B 4
6.2	220.8	249	1.8	71	63B 4
5.6	243.3	275	0.9	63	63B 4
5.4	253.4	286	1.6	71	63B 4
4.9	280.4	317	0.8	63	63B 4
4.8	286.0	323	1.4	71	63B 4
4.6	298.8	337	1.4	71	63B 4
4.0	342.9	387	1.2	71	63B 4
3.5	387.0	437	1.1	71	63B 4
3.0	294.9	524	2.0	90	71A 6
2.9	298.8	531	1.0	71	71A 6
2.8	309.6	551	1.9	90	71A 6
2.6	338.1	601	1.7	90	71A 6
2.5	342.9	610	0.9	71	71A 6
2.2	390.0	694	1.5	90	71A 6
1.7	501.6	912	3.0	125	71A 6
1.6	555.7	1010	2.7	125	71A 6

0.22 kW	$n_1 = 1400 \text{ min}^{-1}$	63C 4
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122	11.5	15	12.3	63	63C 4
105	13.3	18	12.3	63	63C 4
94	14.8	20	11.0	63	63C 4
82	17.2	23	9.5	63	63C 4
72	19.5	26	8.7	63	63C 4
59	23.7	32	7.5	63	63C 4
51	27.5	37	6.5	63	63C 4
45	31.2	42	5.7	63	63C 4
39	35.8	48	5.2	63	63C 4
31	44.6	60	4.2	63	63C 4
27	52.4	71	3.5	63	63C 4
20	69.0	93	2.7	63	63C 4
17.6	79.5	107	2.3	63	63C 4
15.4	90.6	122	1.9	63	63C 4

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.22 kW	$n_1 = 1400 \text{ min}^{-1}$	63C 4
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13.5	103.8	140	1.7	63	63C 4
11.3	123.5	167	2.8	71	63C 4
10.8	129.3	175	1.4	63	63C 4
9.8	143.1	193	2.4	71	63C 4
9.2	151.9	205	1.2	63	63C 4
9.0	154.8	209	2.2	71	63C 4
8.3	168.0	227	2.0	71	63C 4
7.8	179.6	243	1.9	71	63C 4
7.2	193.6	262	1.8	71	63C 4
7.0	200.1	270	0.9	63	63C 4
6.7	209.4	283	1.6	71	63C 4
6.3	220.8	298	1.5	71	63C 4
5.5	253.4	343	1.3	71	63C 4
4.9	286.0	386	1.2	71	63C 4
4.7	298.8	404	1.1	71	63C 4
4.1	342.9	463	1.0	71	63C 4
3.6	387.0	523	0.9	71	63C 4
2.5	555.7	767	3.5	125	63C 4

0.25 kW	$n_1 = 1370 \text{ min}^{-1}$ $n_1 = 870 \text{ min}^{-1}$	71A 4 71B 6
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173	7.9	12	13.7	63	71A 4
133	10.3	16	11.5	63	71A 4
119	11.5	18	10.6	63	71A 4
103	13.3	21	10.6	63	71A 4
92	14.8	23	9.5	63	71A 4
80	17.2	27	8.2	63	71A 4
70	19.5	31	7.5	63	71A 4
58	23.7	37	6.4	63	71A 4
50	27.5	43	5.6	63	71A 4
44	31.2	49	4.9	63	71A 4
38	35.8	56	4.5	63	71A 4
31	44.6	70	3.6	63	71A 4
26	52.4	82	3.0	63	71A 4
19.9	69.0	108	2.3	63	71A 4
17.2	79.5	125	2.0	63	71A 4
15.7	87.4	137	3.4	71	71A 4
15.1	90.6	142	1.6	63	71A 4
13.9	98.6	155	3.0	71	71A 4
13.2	103.8	163	1.4	63	71A 4
12.7	107.6	169	2.7	71	71A 4
11.1	123.5	194	2.4	71	71A 4
10.6	129.3	203	1.2	63	71A 4
9.0	151.9	238	1.0	63	71A 4
8.9	154.8	243	1.9	71	71A 4
8.2	168.0	263	1.7	71	71A 4
7.6	179.6	282	1.6	71	71A 4
6.5	209.4	328	1.4	71	71A 4
6.4	212.6	333	2.7	90	71A 4
6.2	220.8	346	1.3	71	71A 4
5.9	234.1	367	2.5	90	71A 4
5.4	253.4	397	1.2	71	71A 4
5.1	268.3	421	2.2	90	71A 4
4.8	286.0	449	1.0	71	71A 4
4.6	294.9	463	2.0	90	71A 4
4.6	298.8	469	1.0	71	71A 4
4.4	309.6	486	1.9	90	71A 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.25 kW	$n_1 = 1370 \text{ min}^{-1}$ $n_1 = 870 \text{ min}^{-1}$	71A 4 71B 6
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0.37 kW	$n_1 = 2790 \text{ min}^{-1}$ $n_1 = 1380 \text{ min}^{-1}$ $n_1 = 910 \text{ min}^{-1}$ $n_1 = 880 \text{ min}^{-1}$	63C 2 71B 4 80A 6 71C 6
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0.55 kW	$n_1 = 2800 \text{ min}^{-1}$ $n_1 = 1380 \text{ min}^{-1}$ $n_1 = 1390 \text{ min}^{-1}$ $n_1 = 910 \text{ min}^{-1}$	71B 2 71C 4 80A 4 80B 6
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4.1	338.1	530	1.7	90	71A 4
4.0	342.9	538	0.9	71	71A 4
3.5	390.0	612	1.5	90	71A 4
3.4	253.4	626	0.8	71	71B 6
3.0	294.9	728	1.4	90	71B 6
2.8	309.6	765	1.4	90	71B 6
2.6	338.1	835	1.2	90	71B 6
2.5	555.7	891	3.0	125	71A 4
2.3	382.5	966	2.8	125	71B 6
2.2	390.0	963	1.1	90	71B 6
1.9	455.8	1151	2.4	125	71B 6
1.7	501.6	1266	2.2	125	71B 6
1.6	555.7	1403	2.0	125	71B 6

5.9	234.1	539	1.7	90	71B 4
5.4	253.4	584	0.8	71	71B 4
5.1	268.3	618	1.5	90	71B 4
4.9	179.6	649	0.8	71	71C 6
4.7	294.9	680	1.3	90	71B 4
4.5	309.6	713	1.3	90	71B 4
4.1	338.1	779	1.2	90	71B 4
4.1	223.5	781	2.4	112	80A 6
3.7	247.9	866	2.2	112	80A 6
3.6	382.5	901	3.0	125	71B 4
3.5	390.0	899	1.0	90	71B 4
3.0	455.8	1074	2.5	125	71B 4
2.8	309.6	1119	0.9	90	71C 6
2.8	501.6	1182	2.3	125	71B 4
2.5	555.7	1309	2.1	125	71B 4
2.4	566.4	1334	2.8	140	71B 4
2.4	375.3	1311	1.3	112	80A 6
2.4	382.5	1366	2.0	125	80A 6
2.3	389.8	1440	2.7	140	71C 6
2.1	424.5	1516	2.6	140	80A 6
2.0	455.8	1628	1.7	125	80A 6
1.8	501.6	1792	1.5	125	80A 6
1.8	511.2	1826	2.1	140	80A 6
1.7	520.6	1860	3.0	160	80A 6
1.6	555.7	1985	1.4	125	80A 6
1.6	566.4	2023	1.9	140	80A 6
1.6	576.8	2061	2.7	160	80A 6
1.5	576.8	2131	2.6	160	71C 6

14.9	92.5	317	2.9	90	71C 4
14.0	98.6	338	1.4	71	71C 4
12.9	106.7	366	2.5	90	71C 4
12.8	107.6	369	1.2	71	71C 4
11.3	122.3	419	2.2	90	71C 4
11.2	123.5	423	1.1	71	71C 4
10.5	131.1	449	2.0	90	71C 4
9.6	143.1	490	0.9	71	71C 4
9.1	151.9	520	1.7	90	71C 4
8.9	154.8	530	0.9	71	71C 4
8.4	166.0	565	3.1	112	80A 4
8.4	165.2	566	1.6	90	71C 4
8.2	168.0	575	0.8	71	71C 4
7.1	194.9	663	2.6	112	80A 4
6.5	212.6	728	1.2	90	71C 4
6.2	223.5	760	2.3	112	80A 4
5.9	234.1	802	1.1	90	71C 4
5.1	268.3	919	1.0	90	71C 4
5.1	272.4	926	1.9	112	80A 4
5.1	271.4	950	2.8	125	71C 4
4.7	298.1	1014	1.7	112	80A 4
4.6	303.0	1061	2.5	125	71C 4
4.5	309.6	1060	0.9	90	71C 4
4.1	342.9	1166	1.5	112	80A 4
3.9	352.7	1235	2.2	125	71C 4
3.7	375.3	1276	1.4	112	80A 4
3.6	382.5	1339	2.0	125	71C 4
3.5	389.8	1365	2.8	140	71C 4
3.0	455.8	1596	1.7	125	71C 4
2.7	511.2	1790	2.1	140	71C 4
2.5	555.7	1946	1.4	125	71C 4
2.4	566.4	1983	1.9	140	71C 4
2.4	576.8	2020	2.7	160	71C 4
2.0	455.8	2420	1.1	125	80B 6
1.8	501.6	2664	1.0	125	80B 6
1.8	511.2	2714	1.4	140	80B 6
1.7	520.6	2765	2.0	160	80B 6
1.6	555.7	2951	0.9	125	80B 6
1.6	566.4	3007	1.3	140	80B 6
1.6	576.8	3063	1.8	160	80B 6

0.37 kW	$n_1 = 2790 \text{ min}^{-1}$ $n_1 = 1380 \text{ min}^{-1}$ $n_1 = 910 \text{ min}^{-1}$ $n_1 = 880 \text{ min}^{-1}$	63C 2 71B 4 80A 6 71C 6
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271	10.3	12	12.8	63	63C 2
243	11.5	13	11.9	63	63C 2
210	13.3	15	11.6	63	63C 2
188	14.8	17	10.6	63	63C 2
174	7.9	18	9.3	63	71B 4
163	17.2	20	9.5	63	63C 2
143	19.5	22	8.5	63	63C 2
134	10.3	24	7.8	63	71B 4
120	11.5	26	7.2	63	71B 4
104	13.3	31	7.2	63	71B 4
93	14.8	34	6.4	63	71B 4
80	17.2	40	5.6	63	71B 4
71	19.5	45	5.1	63	71B 4
58	23.7	55	4.4	63	71B 4
50	27.5	63	3.8	63	71B 4
44	31.2	72	3.3	63	71B 4
39	35.8	82	3.0	63	71B 4
31	44.6	103	2.4	63	71B 4
26	52.4	121	2.1	63	71B 4
20	69.0	159	1.6	63	71B 4
18.1	76.1	175	2.6	71	71B 4
17.4	79.5	183	1.4	63	71B 4
15.8	87.4	201	2.3	71	71B 4
15.2	90.6	209	1.1	63	71B 4
14.0	98.6	227	2.0	71	71B 4
13.3	103.8	239	1.0	63	71B 4
12.8	107.6	248	1.9	71	71B 4
11.3	122.3	282	3.2	90	71B 4
11.2	123.5	285	1.6	71	71B 4
10.7	129.3	298	0.8	63	71B 4
10.1	87.4	316	1.7	71	71C 6
8.9	154.8	357	1.3	71	71B 4
8.4	165.2	381	2.4	90	71B 4
8.2	168.0	387	1.2	71	71B 4
7.7	179.6	414	1.1	71	71B 4
7.1	193.6	446	1.0	71	71B 4
6.6	209.4	483	1.0	71	71B 4
6.5	212.6	490	1.9	90	71B 4
6.2	220.8	509	0.9	71	71B 4

0.55 kW	$n_1 = 2800 \text{ min}^{-1}$ $n_1 = 1380 \text{ min}^{-1}$ $n_1 = 1390 \text{ min}^{-1}$ $n_1 = 910 \text{ min}^{-1}$	71B 2 71C 4 80A 4 80B 6
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354	7.9	13	10.5	63	71B 2
272	10.3	17	8.6	63	71B 2
244	11.5	19	8.0	63	71B 2
211	13.3	22	7.8	63	71B 2
174	7.9	27	6.3	63	71C 4
134	10.3	35	5.3	63	71C 4
120	11.5	39	4.8	63	71C 4
104	13.3	46	4.8	63	71C 4
93	14.8	51	4.3	63	71C 4
80	17.2	59	3.7	63	71C 4
71	19.5	67	3.4	63	71C 4
58	23.7	81	3.0	63	71C 4
50	27.5	94	2.6	63	71C 4
44	31.2	107	2.2	63	71C 4
39	35.8	123	2.0	63	71C 4
32	42.6	146	3.2	71	71C 4
31	44.6	153	1.6	63	71C 4
28	49.3	169	2.7	71	71C 4
26	52.4	179	1.4	63	71C 4
26	53.4	183	2.5	71	71C 4
24	57.9	198	2.3	71	71C 4
20	69.0	236	1.1	63	71C 4
18.1	76.1	261	1.8	71	71C 4
17.4	79.5	272	0.9	63	71C 4
15.8	87.4	299	1.5	71	71C 4

0.75 kW	$n_1 = 2800 \text{ min}^{-1}$ $n_1 = 1390 \text{ min}^{-1}$ $n_1 = 910 \text{ min}^{-1}$	71C 2 80B 4 80C 6
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354	7.9	18	7.7	63	71C 2
272	10.3	24	6.3	63	71C 2
244	11.5	26	5.9	63	71C 2
211	13.3	31	5.7	63	71C 2
176	7.9	37	4.6	63	80B 4
135	10.3	48	3.9	63	80B 4
121	11.5	53	3.6	63	80B 4
105	13.3	61	3.6	63	80B 4
94	14.8	69	3.2	63	80B 4
81	17.2	80	2.8	63	80B 4
71	19.5	91	2.5	63	80B 4
59	23.7	110	2.2	63	80B 4
51	27.5	127	1.9	63	80B 4
45	30.6	142	3.2	71	80B 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.75 kW	$n_1 = 2800 \text{ min}^{-1}$	71C 2
	$n_1 = 1390 \text{ min}^{-1}$	80B 4
	$n_1 = 910 \text{ min}^{-1}$	80C 6

44	31.2	145	1.7	63	80B 4
39	35.8	166	1.5	63	80B 4
37	37.1	172	2.7	71	80B 4
33	42.6	197	2.3	71	80B 4
31	44.6	207	1.2	63	80B 4
28	49.3	229	2.0	71	80B 4
27	52.4	243	1.0	63	80B 4
26	53.4	247	1.9	71	80B 4
23	59.5	276	3.3	90	80B 4
20	69.0	320	0.8	63	80B 4
19.0	73.3	340	2.7	90	80B 4
18.3	76.1	353	1.3	71	80B 4
17.2	80.7	374	2.4	90	80B 4
15.9	87.4	405	1.1	71	80B 4
15.0	92.5	429	2.1	90	80B 4
14.1	98.6	457	1.0	71	80B 4
13.0	106.7	495	1.8	90	80B 4
12.9	107.6	499	0.9	71	80B 4
11.4	122.3	567	1.6	90	80B 4
11.3	123.5	573	0.8	71	80B 4
10.6	131.1	608	1.5	90	80B 4
10.2	135.6	629	2.8	112	80B 4
9.2	151.9	704	1.3	90	80B 4
9.0	154.8	718	2.4	112	80B 4
8.4	165.2	766	1.2	90	80B 4
8.4	166.0	770	2.3	112	80B 4
7.1	194.9	904	1.9	112	80B 4
6.7	207.0	981	2.8	125	80B 4
6.5	212.6	986	0.9	90	80B 4
6.2	223.5	1036	1.7	112	80B 4
6.2	225.4	1068	2.5	125	80B 4
5.9	234.1	1086	0.8	90	80B 4
5.6	246.6	1169	2.3	125	80B 4
5.6	247.9	1149	1.5	112	80B 4
5.1	272.4	1263	1.4	112	80B 4
4.7	298.1	1383	1.3	112	80B 4
4.6	303.0	1437	1.9	125	80B 4
4.5	308.8	1464	2.6	140	80B 4
4.1	342.9	1590	1.1	112	80B 4
3.9	352.7	1672	1.6	125	80B 4
3.7	375.3	1740	1.0	112	80B 4
3.6	382.5	1813	1.5	125	80B 4
3.6	389.8	1848	2.1	140	80B 4
3.5	397.0	1882	2.9	160	80B 4
3.0	455.8	2161	1.2	125	80B 4
2.7	511.2	2423	1.6	140	80B 4
2.7	520.6	2468	2.2	160	80B 4
2.5	555.7	2635	1.0	125	80B 4
2.5	566.4	2685	1.4	140	80B 4
2.4	576.8	2735	2.0	160	80B 4
2.0	455.8	3300	0.8	125	80C 6
2.0	457.2	3311	2.4	180	80C 6
1.7	520.6	3770	1.5	160	80C 6
1.6	566.4	4101	1.0	140	80C 6
1.6	584.3	4231	2.6	200	80C 6

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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0.88 kW	$n_1 = 1350 \text{ min}^{-1}$	80C 4

171	7.9	44	3.8	63	80C 4
131	10.3	58	3.2	63	80C 4
118	11.5	64	3.0	63	80C 4
102	13.3	74	3.0	63	80C 4
91	14.8	83	2.6	63	80C 4
79	17.2	96	2.3	63	80C 4
69	19.5	109	2.1	63	80C 4
59	22.9	128	3.3	71	80C 4
57	23.7	133	1.8	63	80C 4
50	27.1	152	3.0	71	80C 4
49	27.5	154	1.6	63	80C 4
38	35.8	200	1.2	63	80C 4
36	37.1	208	2.2	71	80C 4
32	42.6	238	1.9	71	80C 4
30	44.6	250	1.0	63	80C 4
27	49.3	276	1.7	71	80C 4
26	52.4	293	3.1	90	80C 4
26	52.4	293	0.9	63	80C 4
23	57.9	324	1.4	71	80C 4
23	59.5	333	2.7	90	80C 4
18.4	73.3	411	2.2	90	80C 4
17.7	76.1	427	1.1	71	80C 4
16.7	80.7	452	2.0	90	80C 4
15.5	87.4	489	0.9	71	80C 4
14.6	92.5	518	1.8	90	80C 4
14.4	93.9	526	3.3	112	80C 4
12.7	106.7	598	1.5	90	80C 4
12.2	110.9	621	2.8	112	80C 4
10.3	131.1	735	1.2	90	80C 4
10.0	135.6	760	2.3	112	80C 4
8.9	151.9	851	1.1	90	80C 4
8.7	154.8	868	2.0	112	80C 4
8.2	165.2	896	1.0	90	80C 4
8.1	166.0	830	1.9	112	80C 4
7.5	180.4	1033	2.7	125	80C 4
6.9	194.9	1092	1.6	112	80C 4
6.5	207.0	1185	2.3	125	80C 4
6.0	223.5	1252	1.4	112	80C 4
6.0	225.2	1290	2.9	140	80C 4
6.0	225.4	1291	2.1	125	80C 4
5.0	271.2	1553	2.4	140	80C 4
5.0	271.4	1555	1.7	125	80C 4
5.0	272.4	1526	1.1	112	80C 4
3.9	342.9	1921	0.9	112	80C 4
3.8	352.7	2020	1.3	125	80C 4
3.8	359.4	2058	1.8	140	80C 4
3.7	366.1	2097	2.6	160	80C 4
3.2	424.5	2431	1.6	140	80C 4
3.1	432.3	2476	2.2	160	80C 4
3.0	455.8	2610	1.0	125	80C 4
3.0	457.2	2618	2.9	180	80C 4
2.4	555.7	3183	0.8	125	80C 4
2.4	557.2	3191	2.4	180	80C 4
2.4	566.4	3244	1.2	140	80C 4
2.3	576.8	3304	1.6	160	80C 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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1.1 kW	$n_1 = 2830 \text{ min}^{-1}$	80B 2
	$n_1 = 1390 \text{ min}^{-1}$	80D 4
	$n_1 = 920 \text{ min}^{-1}$	90L 6

358	7.9	26	5.3	63	80B 2
275	10.3	34	4.4	63	80B 2
247	11.5	38	4.0	63	80B 2
213	13.3	44	3.9	63	80B 2
191	14.8	50	3.6	63	80B 2
176	17.2	54	3.2	63	80D 4
165	17.2	57	3.2	63	80B 2
145	19.5	65	2.9	63	80B 2
135	10.3	70	2.6	63	80D 4
121	11.5	78	2.4	63	80D 4
105	13.3	90	2.4	63	80D 4
94	14.8	101	2.2	63	80D 4
81	17.2	117	1.9	63	80D 4
74	18.7	127	3.2	71	80D 4
71	19.5	133	1.7	63	80D 4
61	22.9	156	2.8	71	80D 4
59	23.7	161	1.5	63	80D 4
51	27.1	184	2.5	71	80D 4
51	27.5	187	1.3	63	80D 4
45	30.6	208	2.2	71	80D 4
44	31.2	213	1.1	63	80D 4
39	35.8	243	1.0	63	80D 4
37	37.1	252	1.8	71	80D 4
33	42.2	287	3.2	90	80D 4
33	42.6	290	1.6	71	80D 4
31	44.6	303	0.8	63	80D 4
28	49.3	336	1.4	71	80D 4
27	52.4	356	2.6	90	80D 4
26	53.4	363	1.3	71	80D 4
24	57.9	394	1.2	71	80D 4
23	59.5	404	2.3	90	80D 4
19.0	73.3	498	1.8	90	80D 4
18.3	76.1	518	0.9	71	80D 4
18.0	77.0	524	3.3	112	80D 4
17.2	80.7	549	1.7	90	80D 4
16.3	85.4	581	3.0	112	80D 4
15.9	87.4	594	0.8	71	80D 4
14.8	93.9	639	2.7	112	80D 4
14.7	94.4	642	1.4	90	80D 4
13.5	102.8	699	2.5	112	80D 4
13.0	106.7	726	1.3	90	80D 4
12.5	110.9	754	2.3	112	80D 4
11.4	122.3	832	1.1	90	80D 4
11.1	125.2	852	2.1	112	80D 4
10.6	131.1	892	1.0	90	80D 4
10.2	135.6	923	1.9	112	80D 4
10.1	137.5	956	2.9	125	80D 4
9.2	151.9	1033	0.9	90	80D 4
9.0	154.8	1053	1.7	112	80D 4
8.5	163.9	1140	2.5	125	80D 4
8.4	165.2	1124	0.8	90	80D 4
8.4	166.0	1129	1.5	112	80D 4
7.7	180.4	1254	2.2	125	80D 4
7.1	194.9	1326	1.3	112	80D 4
6.7	206.8	1438	2.6	140	80D 4
6.7	207.0	1439	1.9	125	80D 4
6.2	223.5	1520	1.2	112	80D 4
6.2	225.2	1566	2.4	140	80D 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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1.1 kW	$n_1 = 2830 \text{ min}^{-1}$	80B 2
	$n_1 = 1390 \text{ min}^{-1}$	80D 4
	$n_1 = 920 \text{ min}^{-1}$	90L 6

6.2	225.4	1567	1.7	125	80D 4
5.6	246.4	1713	2.2	140	80D 4
5.6	246.6	1715	1.6	125	80D 4
5.6	247.9	1686	1.0	112	80D 4
5.1	271.2	1885	2.0	140	80D 4
5.1	271.4	1887	1.4	125	80D 4
5.1	272.4	1853	0.9	112	80D 4
4.7	298.1	2028	0.9	112	80D 4
4.6	303.0	2107	1.3	125	80D 4
4.5	308.8	2147	1.8	140	80D 4
4.4	314.6	2187	2.5	160	80D 4
3.9	352.7	2452	1.1	125	80D 4
3.9	359.4	2499	1.5	140	80D 4
3.8	366.1	2545	2.1	160	80D 4
3.3	424.5	2951	1.3	140	80D 4
3.2	432.3	3006	1.8	160	80D 4
3.0	455.8	3169	0.9	125	80D 4
3.0	457.2	3179	2.4	180	80D 4
2.5	557.2	3874	2.0	180	80D 4
2.5	566.4	3938	1.0	140	80D 4
2.4	576.8	4011	1.3	160	80D 4
2.2	424.5	4459	0.9	140	90L 6
2.1	432.3	4541	1.2	160	90L 6
2.1	438.9	4610	2.4	200	90L 6
2.0	457.2	4803	1.6	180	90L 6
1.7	557.2	5853	1.3	180	90L 6
1.6	576.8	6060	0.9	160	90L 6
1.6	584.3	6138	1.8	200	90L 6

1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6

412	6.9	31	7.0	71	80C 2
358	7.9	36	3.9	63	80C 2
337	8.4	38	6.5	71	80C 2
275	10.3	47	3.2	63	80C 2
247	11.5	52	3.0	63	80C 2
213	13.3	61	2.9	63	80C 2
191	14.8	68	2.7	63	80C 2
177	7.9	73	2.3	63	90L 4
165	17.2	78	2.4	63	80C 2
145	19.5	89	2.1	63	80C 2
136	10.3	95	2.0	63	90L 4
123	11.4	105	3.2	71	90L 4
122	11.5	106	1.8	63	90L 4
105	13.3	122	1.8	63	90L 4
100	13.9	128	3.1	71	90L 4
94	14.8	137	1.6	63	90L 4
85	16.5	152	2.6	71	90L 4
82	17.2	158	1.4	63	90L 4
75	18.7	172	2.4	71	90L 4
72	19.5	180	1.3	63	90L 4
61	22.9	211	2.0	71	90L 4
59	23.7	219	1.1	63	90L 4
52	27.1	249	1.8	71	90L 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6

51	27.5	253	0.9	63	90L 4
46	30.6	282	1.6	71	90L 4
45	31.2	288	0.8	63	90L 4
43	32.5	300	3.0	90	90L 4
38	36.9	340	2.7	90	90L 4
38	37.1	342	1.3	71	90L 4
33	42.2	388	2.3	90	90L 4
33	42.6	392	1.2	71	90L 4
31	45.2	416	2.2	90	90L 4
28	49.3	454	1.0	71	90L 4
27	52.4	482	1.9	90	90L 4
26	53.4	491	0.9	71	90L 4
24	57.2	527	3.3	112	90L 4
24	57.9	533	0.9	71	90L 4
24	59.5	548	1.7	90	90L 4
22	64.6	594	2.9	112	90L 4
19.1	73.3	675	1.3	90	90L 4
18.2	77.0	709	2.5	112	90L 4
17.4	80.7	743	1.2	90	90L 4
16.4	85.4	787	2.2	112	90L 4
15.1	92.5	852	1.1	90	90L 4
14.9	93.9	865	2.0	112	90L 4
13.6	102.8	946	1.8	112	90L 4
13.1	106.7	983	0.9	90	90L 4
13.1	107.1	1031	2.6	125	90L 4
12.6	110.9	1021	1.7	112	90L 4
11.4	122.3	1126	0.8	90	90L 4
11.2	125.2	1153	1.5	112	90L 4
11.0	126.8	1194	2.3	125	90L 4
10.3	135.6	1249	1.4	112	90L 4
10.2	137.5	1295	2.2	125	90L 4
9.0	154.8	1426	1.2	112	90L 4
8.5	163.8	1541	2.6	140	90L 4
8.5	163.9	1543	1.8	125	90L 4
8.4	166.0	1529	1.1	112	90L 4
7.8	180.4	1698	1.6	125	90L 4
7.2	194.9	1795	1.0	112	90L 4
6.8	206.8	1946	2.0	140	90L 4
6.8	207.0	1948	1.4	125	90L 4
6.6	210.6	1982	2.7	160	90L 4
6.3	223.5	2058	0.9	112	90L 4
6.2	225.2	2120	1.8	140	90L 4
6.2	225.4	2122	1.3	125	90L 4
6.1	229.3	2159	2.5	160	90L 4
5.7	246.4	2319	1.6	140	90L 4
5.7	246.6	2322	1.2	125	90L 4
5.6	251.0	2362	2.3	160	90L 4
5.2	271.2	2553	1.5	140	90L 4
5.2	271.4	2555	1.1	125	90L 4
5.1	276.2	2600	2.1	160	90L 4
5.0	280.1	2637	2.9	180	90L 4
4.6	303.0	2853	0.9	125	90L 4
4.5	308.8	2907	1.3	140	90L 4
4.5	314.6	2961	1.8	160	90L 4
4.3	327.8	3085	2.5	180	90L 4
4.0	352.7	3320	0.8	125	90L 4
3.9	359.4	3383	1.1	140	90L 4
3.8	366.1	3446	1.6	160	90L 4
3.4	417.9	3934	2.0	180	90L 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6

3.3	424.5	3996	1.0	140	90L 4
3.2	432.3	4070	1.3	160	90L 4
3.2	438.9	4131	2.6	200	90L 4
2.5	557.2	5245	1.5	180	90L 4
2.4	576.8	5430	1.0	160	90L 4
2.4	584.3	5501	2.0	200	90L 4
2.1	438.9	6253	1.8	200	90LB 6
2.0	457.2	6514	1.2	180	90LB 6
1.7	557.2	7939	1.0	180	90LB 6
1.6	584.3	8325	1.3	200	90LB 6

1.8 kW	$n_1 = 2770 \text{ min}^{-1}$	80D 2
	$n_1 = 1400 \text{ min}^{-1}$	90LB 4
	$n_1 = 940 \text{ min}^{-1}$	100B 6

404	6.9	38	5.7	71	80D 2
350	7.9	44	3.2	63	80D 2
279	9.9	55	4.7	71	80D 2
269	10.3	57	2.6	63	80D 2
241	11.5	64	2.4	63	80D 2
208	13.3	74	2.4	63	80D 2
187	14.8	83	2.2	63	80D 2
177	7.9	87	1.9	63	90LB 4
167	8.4	93	3.2	71	90LB 4
141	9.9	110	2.9	71	90LB 4
136	10.3	114	1.6	63	90LB 4
123	11.4	126	2.7	71	90LB 4
122	11.5	127	1.5	63	90LB 4
105	13.3	147	1.5	63	90LB 4
100	13.9	154	2.6	71	90LB 4
94	14.8	164	1.3	63	90LB 4
85	16.5	182	2.2	71	90LB 4
82	17.2	190	1.2	63	90LB 4
75	18.7	207	2.0	71	90LB 4
72	19.5	216	1.1	63	90LB 4
61	22.9	253	1.7	71	90LB 4
61	23.0	254	3.2	90	90LB 4
59	23.7	262	0.9	63	90LB 4
55	25.7	284	3.2	90	90LB 4
52	27.1	299	1.5	71	90LB 4
51	27.5	304	0.8	63	90LB 4
49	28.8	319	2.9	90	90LB 4
46	30.6	338	1.4	71	90LB 4
43	32.5	360	2.5	90	90LB 4
38	37.1	410	1.1	71	90LB 4
33	42.2	466	2.0	90	90LB 4
33	42.6	470	1.0	71	90LB 4
31	45.2	500	1.8	90	90LB 4
28	49.3	545	0.8	71	90LB 4
26	53.4	590	0.8	71	90LB 4
26	53.4	590	3.0	112	90LB 4
24	57.2	632	2.8	112	90LB 4
24	59.5	657	1.4	90	90LB 4
22	64.6	713	2.5	112	90LB 4
19.1	73.3	810	1.1	90	90LB 4
18.2	77.0	851	2.1	112	90LB 4



3.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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1.8 kW	$n_1=2770\text{ min}^{-1}$ $n_1=1400\text{ min}^{-1}$ $n_1=940\text{ min}^{-1}$	80D 2 90LB 4 100B 6
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17.4	80.7	892	1.0	90	90LB 4
16.9	82.9	956	2.8	125	90LB 4
16.4	85.4	944	1.9	112	90LB 4
15.6	89.8	1036	2.6	125	90LB 4
15.1	92.5	1022	0.9	90	90LB 4
14.9	93.9	1038	1.7	112	90LB 4
14.3	97.8	1129	2.4	125	90LB 4
13.6	102.8	1136	1.5	112	90LB 4
13.1	107.1	1237	2.2	125	90LB 4
12.6	110.9	1226	1.4	112	90LB 4
11.2	125.2	1384	1.3	112	90LB 4
11.0	126.7	1431	2.8	140	90LB 4
11.0	126.8	1433	2.0	125	90LB 4
10.3	135.6	1499	1.2	112	90LB 4
10.2	137.4	1552	2.6	140	90LB 4
10.2	137.5	1554	1.8	125	90LB 4
9.0	154.8	1711	1.0	112	90LB 4
8.5	163.8	1850	2.2	140	90LB 4
8.5	163.9	1852	1.5	125	90LB 4
8.4	166.0	1835	1.0	112	90LB 4
8.4	166.8	1884	3.0	160	90LB 4
7.8	180.2	2036	2.0	140	90LB 4
7.8	180.4	2038	1.4	125	90LB 4
7.6	183.6	2073	2.7	160	90LB 4
7.2	194.9	2154	0.8	112	90LB 4
6.2	225.2	2544	1.5	140	90LB 4
6.2	225.4	2546	1.1	125	90LB 4
6.1	229.3	2591	2.1	160	90LB 4
6.0	232.7	2629	2.9	180	90LB 4
5.2	271.2	3063	1.2	140	90LB 4
5.2	271.4	3066	0.9	125	90LB 4
5.1	276.2	3120	1.7	160	90LB 4
5.0	280.1	3164	2.4	180	90LB 4
4.3	327.8	3703	2.1	180	90LB 4
4.1	344.7	3894	2.8	200	90LB 4
3.9	359.4	4060	0.9	140	90LB 4
3.8	366.1	4135	1.3	160	90LB 4
3.2	432.3	4884	1.1	160	90LB 4
3.2	438.9	4958	2.2	200	90LB 4
3.1	457.2	5165	1.5	180	90LB 4
2.7	527.8	5962	1.8	200	90LB 4
2.5	557.2	6294	1.2	180	90LB 4
2.4	576.8	6516	0.8	160	90LB 4
2.1	457.2	7692	1.0	180	100B 6
2.0	479.9	8074	1.4	200	100B 6
1.7	557.2	9375	0.8	180	100B 6
1.6	584.3	9831	1.1	200	100B 6

2.2 kW	$n_1=2840\text{ min}^{-1}$ $n_1=1410\text{ min}^{-1}$ $n_1=940\text{ min}^{-1}$	90L 2 100A 4 100BL 6
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414	6.9	46	4.8	71	90L 2
359	7.9	53	2.7	63	90L 2
338	8.4	56	4.5	71	90L 2
286	9.9	66	3.9	71	90L 2
276	10.3	68	2.2	63	90L 2
250	11.4	76	3.7	71	90L 2

3.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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2.2 kW	$n_1=2840\text{ min}^{-1}$ $n_1=1410\text{ min}^{-1}$ $n_1=940\text{ min}^{-1}$	90L 2 100A 4 100BL 6
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248	11.5	76	2.0	63	90L 2
214	13.3	88	2.0	63	90L 2
206	6.9	92	2.9	71	100A 4
192	14.8	99	1.8	63	90L 2
178	7.9	106	1.6	63	100A 4
168	8.4	113	2.7	71	100A 4
142	9.9	133	2.4	71	100A 4
137	10.3	138	1.3	63	100A 4
124	11.4	153	2.2	71	100A 4
123	11.5	154	1.2	63	100A 4
109	13.0	174	3.1	90	100A 4
106	13.3	178	1.2	63	100A 4
101	13.9	187	2.1	71	100A 4
101	14.0	188	3.1	90	100A 4
95	14.8	199	1.1	63	100A 4
86	16.5	221	1.8	71	100A 4
82	17.2	230	1.0	63	100A 4
79	17.7	238	3.2	90	100A 4
75	18.7	251	1.6	71	100A 4
72	19.5	262	0.9	63	100A 4
70	20.1	270	2.9	90	100A 4
61	22.9	308	1.4	71	100A 4
61	23.0	308	2.7	90	100A 4
55	25.7	344	2.6	90	100A 4
52	27.1	363	1.3	71	100A 4
49	28.8	387	2.4	90	100A 4
46	30.6	410	1.1	71	100A 4
43	32.5	436	2.1	90	100A 4
38	36.9	495	1.8	90	100A 4
38	37.1	497	0.9	71	100A 4
33	42.2	565	1.6	90	100A 4
33	42.6	571	0.8	71	100A 4
31	45.2	606	1.5	90	100A 4
30	46.8	627	2.8	112	100A 4
27	52.4	702	1.3	90	100A 4
26	53.4	716	2.4	112	100A 4
25	57.2	768	2.3	112	100A 4
24	59.5	797	1.1	90	100A 4
22	64.6	866	2.0	112	100A 4
19.8	71.2	997	2.8	125	100A 4
19.2	73.3	983	0.9	90	100A 4
18.3	77.0	1033	1.7	112	100A 4
17.5	80.7	1082	0.8	90	100A 4
17.4	81.2	1137	3.3	140	100A 4
17.0	82.9	1161	2.3	125	100A 4
16.5	85.4	1146	1.5	112	100A 4
15.7	89.8	1258	2.1	125	100A 4
15.0	93.9	1259	1.4	112	100A 4
14.5	97.0	1359	2.8	140	100A 4
13.7	102.8	1378	1.3	112	100A 4
13.2	107.1	1500	2.5	140	100A 4
13.2	107.1	1501	1.8	125	100A 4
12.7	110.9	1487	1.2	112	100A 4
11.3	125.2	1679	1.0	112	100A 4
11.1	126.7	1737	2.3	140	100A 4
11.1	126.8	1739	1.6	125	100A 4
10.4	135.6	1819	1.0	112	100A 4
10.3	137.4	1884	2.1	140	100A 4
10.3	137.5	1886	1.5	125	100A 4

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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2.2 kW	$n_1=2840\text{ min}^{-1}$ $n_1=1410\text{ min}^{-1}$ $n_1=940\text{ min}^{-1}$	90L 2 100A 4 100BL 6
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10.1	140.0	1919	2.9	160	100A 4
9.1	154.8	2076	0.8	112	100A 4
8.6	163.8	2245	1.8	140	100A 4
8.6	163.9	2247	1.2	125	100A 4
8.5	166.0	2227	0.8	112	100A 4
7.8	180.2	2470	1.6	140	100A 4
7.8	180.4	2473	1.1	125	100A 4
7.7	183.6	2516	2.2	160	100A 4
6.8	206.8	2834	1.3	140	100A 4
6.8	207.0	2837	1.0	125	100A 4
6.7	210.6	2887	1.9	160	100A 4
6.3	225.2	3087	1.2	140	100A 4
6.3	225.4	3090	0.9	125	100A 4
6.1	229.3	3144	1.7	160	100A 4
6.1	232.7	3190	2.4	180	100A 4
5.3	267.3	3664	2.9	200	100A 4
5.2	271.2	3717	1.0	140	100A 4
5.1	276.2	3786	1.4	160	100A 4
5.0	280.1	3840	2.0	180	100A 4
4.3	327.8	4493	1.7	180	100A 4
4.1	344.7	4726	2.3	200	100A 4
3.9	366.1	5018	1.1	160	100A 4
3.3	432.3	5926	0.9	160	100A 4
3.2	438.9	6016	1.8	200	100A 4
3.1	457.2	6267	1.2	180	100A 4
2.5	557.2	7638	1.0	180	100A 4
2.4	584.3	8011	1.3	200	100A 4
2.1	457.2	9401	0.8	180	100BL 6
2.0	479.9	9868	1.1	200	100BL 6
1.8	527.8	10852	1.0	200	100BL 6
1.6	584.3	12016	0.9	200	100BL 6

3 kW	$n_1=2840\text{ min}^{-1}$ $n_1=1420\text{ min}^{-1}$ $n_1=940\text{ min}^{-1}$	90LB 2 100B 4 112B 6
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414	6.9	62	3.5	71	90LB 2
359	7.9	72	1.9	63*	90LB 2
338	8.4	76	3.3	71	90LB 2
286	9.9	90	2.9	71	90LB 2
276	10.3	93	1.6	63*	90LB 2
250	11.4	103	2.7	71	90LB 2
248	11.5	104	1.5	63*	90LB 2
214	13.3	121	1.5	63*	90LB 2
207	6.9	125	2.2	71	100B 4
197	7.2	131	3.3	90	100B 4
192	14.8	135	1.3	63*	90LB 2
180	7.9	144	1.2	63*	100B 4
169	8.4	153	2.0	71	100B 4
157	9.0	164	2.7	90	100B 4
143	9.9	180	1.8	71	100B 4
140	10.1	184	2.7	90	100B 4
138	10.3	187	1.0	63*	100B 4
125	11.4	207	1.6	71	100B 4
124	11.5	208	2.5	90	100B 4
124	11.5	208	0.9	63*	100B 4
109	13.0	236	2.3	90	100B 4
107	13.3	241	0.9	63*	100B 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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3 kW	$n_1 = 2840 \text{ min}^{-1}$	90LB 2
	$n_1 = 1420 \text{ min}^{-1}$	100B 4
	$n_1 = 940 \text{ min}^{-1}$	112B 6

102	13.9	253	1.6	71	100B 4
101	14.0	254	2.3	90	100B 4
96	14.8	269	0.8	63*	100B 4
90	15.7	285	2.5	90	100B 4
86	16.5	299	1.3	71	100B 4
80	17.7	322	2.3	90	100B 4
76	18.7	340	1.2	71	100B 4
71	20.1	366	2.2	90	100B 4
68	20.9	380	3.4	112	100B 4
62	22.9	416	1.0	71	100B 4
62	23.0	418	2.0	90	100B 4
60	23.6	429	3.1	112	100B 4
55	25.6	465	3.0	112	100B 4
55	25.7	466	1.9	90	100B 4
52	27.1	492	0.9	71	100B 4
49	28.8	524	1.7	90	100B 4
48	29.4	534	3.3	112	100B 4
46	30.6	555	0.8	71	100B 4
44	32.5	591	1.5	90	100B 4
43	32.8	595	2.9	112	100B 4
37	38.2	694	2.5	112	100B 4
34	42.2	766	1.2	90	100B 4
33	43.2	784	2.2	112	100B 4
31	45.2	821	1.1	90	100B 4
30	46.8	849	2.1	112	100B 4
28	50.6	960	2.9	125	100B 4
27	52.4	951	1.0	90	100B 4
27	53.4	969	1.8	112	100B 4
26	55.1	1044	2.7	125	100B 4
25	57.2	1039	1.7	112	100B 4
24	59.5	1080	0.8	90	100B 4
22	64.6	1172	1.5	112	100B 4
22	65.0	1233	2.3	125	100B 4
19.9	71.2	1350	3.0	140	100B 4
19.9	71.2	1350	2.1	125	100B 4
18.4	77.0	1399	1.3	112	100B 4
17.5	81.2	1539	2.5	140	100B 4
17.2	82.7	1568	3.4	160	100B 4
16.6	85.4	1551	1.1	112	100B 4
16.1	88.5	1678	2.3	140	100B 4
15.8	89.8	1703	1.6	125	100B 4
15.1	93.9	1705	1.0	112	100B 4
14.6	97.0	1840	2.1	140	100B 4
14.5	97.8	1855	1.5	125	100B 4
14.4	98.8	1874	2.9	160	100B 4
13.8	102.8	1866	0.9	112	100B 4
13.3	107.1	2031	1.9	140	100B 4
13.3	107.1	2032	1.3	125	100B 4
13.0	109.1	2069	2.6	160	100B 4
12.8	110.9	2014	0.9	112	100B 4
11.2	126.7	2352	1.7	140	100B 4
11.2	126.8	2354	1.2	125	100B 4
11.0	129.1	2396	2.3	160	100B 4
10.3	137.4	2551	1.6	140	100B 4
10.3	137.5	2553	1.1	125	100B 4
10.1	140.0	2598	2.2	160	100B 4
10.0	142.1	2637	3.0	180	100B 4
8.7	163.8	3040	1.3	140	100B 4
8.7	163.9	3042	0.9	125	100B 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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3 kW	$n_1 = 2840 \text{ min}^{-1}$	90LB 2
	$n_1 = 1420 \text{ min}^{-1}$	100B 4
	$n_1 = 940 \text{ min}^{-1}$	112B 6

8.5	166.8	3096	1.8	160	100B 4
7.9	180.2	3345	1.2	140	100B 4
7.9	180.4	3348	0.8	125	100B 4
7.7	183.6	3407	1.6	160	100B 4
7.6	186.2	3456	2.3	180	100B 4
6.9	206.2	3828	2.1	180	100B 4
6.9	206.8	3838	1.0	140	100B 4
6.7	210.6	3909	1.4	160	100B 4
6.3	225.2	4180	0.9	140	100B 4
6.2	229.3	4257	1.3	160	100B 4
6.1	232.7	4320	1.8	180	100B 4
5.8	246.4	4574	0.8	140	100B 4
5.7	251.0	4658	1.2	160	100B 4
5.1	276.2	5127	1.1	160	100B 4
5.1	280.1	5200	1.5	180	100B 4
4.8	293.9	5456	2.0	200	100B 4
4.5	314.6	5839	0.9	160	100B 4
4.3	327.8	6084	1.3	180	100B 4
4.1	344.7	6399	1.7	200	100B 4
3.8	372.2	6909	1.6	200	100B 4
3.7	383.9	7125	1.1	180	100B 4
3.4	417.9	7757	1.0	180	100B 4
3.2	438.9	8146	1.3	200	100B 4
3.1	457.2	8486	0.9	180	100B 4
3.0	479.9	8908	1.2	200	100B 4
2.8	503.0	9337	0.8	180	100B 4
2.7	527.8	9796	1.1	200	100B 4
2.4	584.3	10846	1.0	200	100B 4
2.0	479.9	13457	0.8	200	112B 6

4 kW	$n_1 = 2860 \text{ min}^{-1}$	100B 2
	$n_1 = 1410 \text{ min}^{-1}$	100BL 4

417	6.9	82	2.7	71*	100B 2
362	7.9	95	1.5	63*	100B 2
340	8.4	101	2.5	71*	100B 2
317	9.0	109	3.2	90	100B 2
288	9.9	119	2.2	71*	100B 2
282	10.1	122	2.9	90	100B 2
278	10.3	124	1.2	63*	100B 2
251	11.4	137	2.0	71*	100B 2
249	11.5	138	1.1	63*	100B 2
220	13.0	156	2.6	90	100B 2
206	6.9	167	1.6	71*	100BL 4
195	7.2	176	2.4	90	100BL 4
178	7.9	193	0.9	63*	100BL 4
168	8.4	205	1.5	71*	100BL 4
159	8.9	217	3.3	112	100BL 4
156	9.0	220	2.0	90	100BL 4
142	9.9	242	1.3	71*	100BL 4
139	10.1	247	2.0	90	100BL 4
124	11.4	277	1.2	71*	100BL 4
123	11.5	279	1.9	90	100BL 4
120	11.8	287	3.0	112	100BL 4
109	13.0	317	1.7	90	100BL 4
108	13.1	320	2.8	112	100BL 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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4 kW	$n_1 = 2860 \text{ min}^{-1}$	100B 2
	$n_1 = 1410 \text{ min}^{-1}$	100BL 4

101	13.9	340	1.2	71*	100BL 4
101	14.0	341	1.7	90	100BL 4
90	15.7	383	1.9	90	100BL 4
88	16.1	393	3.0	112	100BL 4
86	16.5	401	1.0	71*	100BL 4
79	17.7	433	1.7	90	100BL 4
79	17.9	438	2.8	112	100BL 4
75	18.7	456	0.9	71*	100BL 4
70	20.1	491	1.6	90	100BL 4
67	20.9	510	2.5	112	100BL 4
63	22.3	543	3.2	112	100BL 4
61	23.0	561	1.5	90	100BL 4
60	23.6	576	2.3	112	100BL 4
55	25.6	624	2.2	112	100BL 4
55	25.7	626	1.4	90	100BL 4
49	28.8	703	1.3	90	100BL 4
48	29.4	717	2.4	112	100BL 4
43	32.5	793	1.1	90	100BL 4
43	32.8	800	2.2	112	100BL 4
40	35.6	907	3.0	125	100BL 4
38	36.9	900	1.0	90	100BL 4
37	37.9	965	3.9	140	100BL 4
37	38.2	932	1.9	112	100BL 4
37	38.6	983	2.7	125	100BL 4
33	42.2	1028	0.9	90	100BL 4
33	43.2	1053	1.7	112	100BL 4
31	45.2	1102	0.8	90	100BL 4
31	46.0	1172	2.3	125	100BL 4
30	46.8	1140	1.5	112	100BL 4
28	50.6	1290	2.2	125	100BL 4
26	53.4	1301	1.3	112	100BL 4
26	53.9	1373	2.9	140	100BL 4
26	55.1	1402	2.0	125	100BL 4
22	64.5	1642	2.4	140	100BL 4
22	64.6	1574	1.1	112	100BL 4
22	65.0	1655	1.7	125	100BL 4
19.8	71.2	1813	2.2	140	100BL 4
19.8	71.2	1813	1.5	125	100BL 4
19.4	72.5	1846	3.0	160	100BL 4
18.3	77.0	1878	0.9	112	100BL 4
17.4	81.2	2067	1.8	140	100BL 4
17.1	82.7	2105	2.6	160	100BL 4
17.0	82.9	2110	1.3	125	100BL 4
16.5	85.4	2083	0.8	112	100BL 4
15.9	88.5	2253	1.7	140	100BL 4
15.7	89.8	2287	1.2	125	100BL 4
15.6	90.1	2295	2.4	160	100BL 4
14.5	97.0	2471	1.5	140	100BL 4
14.4	97.8	2491	1.1	125	100BL 4
14.3	98.8	2516	2.1	160	100BL 4
13.3	107.1	2700	1.0	125	100BL 4
13.2	107.1	2728	1.4	140	100BL 4
12.9	109.1	2778	1.9	160	100BL 4
11.1	126.7	3158	1.3	140	100BL 4
11.1	126.8	3161	0.9	125	100BL 4
10.9	129.1	3217	1.7	160	100BL 4
10.3	137.4	3425	1.2	140	100BL 4
10.3	137.5	3428	0.8	125	100BL 4



3.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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4 kW	$n_1=2860 \text{ min}^{-1}$ $n_1=1410 \text{ min}^{-1}$	100B 2 100BL 4
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10.1	140.0	3488	1.6	160	100BL 4
8.7	162.4	4048	2.8	200	100BL 4
8.6	163.8	4081	1.0	140	100BL 4
8.5	166.8	4157	1.3	160	100BL 4
7.7	183.6	4575	1.2	160	100BL 4
7.6	186.2	4640	1.7	180	100BL 4
7.2	195.3	4869	2.3	200	100BL 4
6.8	206.2	5140	1.6	180	100BL 4
6.8	207.3	5166	2.1	200	100BL 4
6.7	210.6	5249	1.0	160	100BL 4
6.1	229.3	5716	0.9	160	100BL 4
6.1	232.7	5801	1.3	180	100BL 4
5.8	244.4	6092	1.8	200	100BL 4
5.0	280.1	6982	1.1	180	100BL 4
4.8	293.9	7326	1.5	200	100BL 4
4.3	327.8	8170	0.9	180	100BL 4
4.1	344.7	8593	1.3	200	100BL 4
3.8	372.2	9277	1.2	200	100BL 4
3.7	383.9	9567	0.8	180	100BL 4
3.2	438.9	10939	1.0	200	100BL 4
2.9	479.9	11961	0.9	200	100BL 4
2.7	527.8	13155	0.8	200	100BL 4

5.5 kW	$n_1=2880 \text{ min}^{-1}$ $n_1=1400 \text{ min}^{-1}$	112B 2 112BL 4
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420	6.9	113	2.0	71*	112B 2
399	7.2	118	2.7	90	112B 2
343	8.4	138	1.8	71*	112B 2
319	9.0	148	2.4	90	112B 2
290	9.9	163	1.6	71*	112B 2
284	10.1	167	2.1	90	112B 2
253	11.4	187	1.5	71*	112B 2
251	11.5	188	2.1	90	112B 2
204	6.9	232	1.2	71*	112BL 4
194	7.2	244	1.8	90	112BL 4
183	7.7	258	2.6	112	112BL 4
167	8.4	284	1.1	71*	112BL 4
157	8.9	300	2.4	112	112BL 4
155	9.0	305	1.5	90	112BL 4
141	9.9	335	1.0	71*	112BL 4
138	10.1	343	1.5	90	112BL 4
123	11.4	384	0.9	71*	112BL 4
122	11.5	387	1.3	90	112BL 4
119	11.8	397	2.1	112	112BL 4
108	13.0	439	1.2	90	112BL 4
107	13.1	443	2.0	112	112BL 4
100	13.9	471	0.8	71*	112BL 4
100	14.0	472	1.2	90	112BL 4
89	15.7	531	1.4	90	112BL 4
87	16.1	544	2.1	112	112BL 4
79	17.7	599	1.3	90	112BL 4
78	17.9	606	2.0	112	112BL 4
70	20.1	680	1.2	90	112BL 4
67	20.9	706	1.8	112	112BL 4
63	22.3	751	2.3	112	112BL 4
61	23.0	776	1.1	90	112BL 4
59	23.6	798	1.7	112	112BL 4

3.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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5.5 kW	$n_1=2880 \text{ min}^{-1}$ $n_1=1400 \text{ min}^{-1}$	112B 2 112BL 4
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56	24.9	877	3.0	125	112BL 4
55	25.6	864	1.6	112	112BL 4
55	25.7	866	1.0	90	112BL 4
49	28.5	1004	2.6	125	112BL 4
49	28.8	974	0.9	90	112BL 4
48	29.4	993	1.8	112	112BL 4
46	30.6	1079	2.4	125	112BL 4
43	32.5	1099	0.8	90	112BL 4
43	32.8	1107	1.6	112	112BL 4
39	35.6	1256	2.2	125	112BL 4
37	38.2	1291	1.4	112	112BL 4
36	38.6	1362	2.0	125	112BL 4
32	43.2	1458	1.2	112	112BL 4
31	45.2	1593	2.4	140	112BL 4
30	46.0	1623	1.7	125	112BL 4
30	46.8	1579	1.1	112	112BL 4
28	50.6	1786	1.6	125	112BL 4
26	53.4	1802	1.0	112	112BL 4
26	53.9	1902	2.1	140	112BL 4
25	54.9	1937	2.9	160	112BL 4
25	55.1	1942	1.4	125	112BL 4
24	57.2	1933	0.9	112	112BL 4
22	64.5	2274	1.8	140	112BL 4
22	64.6	2180	0.8	112	112BL 4
22	65.0	2292	1.2	125	112BL 4
21	65.7	2316	2.4	160	112BL 4
19.7	71.2	2510	1.6	140	112BL 4
19.7	71.2	2511	1.1	125	112BL 4
19.3	72.5	2557	2.2	160	112BL 4
17.3	81.2	2862	1.3	140	112BL 4
16.9	82.7	2915	1.9	160	112BL 4
15.8	88.5	3120	1.2	140	112BL 4
15.5	90.1	3178	1.7	160	112BL 4
14.4	97.0	3421	1.1	140	112BL 4
14.2	98.8	3485	1.5	160	112BL 4
13.1	107.1	3777	1.0	140	112BL 4
12.8	109.1	3847	1.4	160	112BL 4
11.0	126.7	4374	0.9	140	112BL 4
10.8	129.1	4455	1.3	160	112BL 4
10.2	137.8	4755	2.4	200	112BL 4
10.0	140.0	4831	1.2	160	112BL 4
9.9	142.1	4904	1.6	180	112BL 4
9.1	154.7	5339	1.5	180	112BL 4
8.6	162.4	5606	2.0	200	112BL 4
8.4	166.8	5757	1.0	160	112BL 4
7.9	177.6	6131	1.8	200	112BL 4
7.5	186.2	6426	1.2	180	112BL 4
7.2	195.3	6742	1.7	200	112BL 4
6.8	206.2	7118	1.1	180	112BL 4
6.8	207.3	7154	1.5	200	112BL 4
6.0	232.7	8033	1.0	180	112BL 4
5.7	244.4	8436	1.3	200	112BL 4
5.5	254.6	8788	0.9	180	112BL 4
5.2	267.3	9225	1.2	200	112BL 4
4.8	293.9	10145	1.1	200	112BL 4
4.1	344.7	11899	0.9	200	112BL 4
3.8	372.2	12847	0.8	200	112BL 4

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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7.5 kW	$n_1=2860 \text{ min}^{-1}$ $n_1=1440 \text{ min}^{-1}$	112BL 2 132M 4
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417	6.9	155	1.4	71*	112BL 2
396	7.2	163	2.0	90*	112BL 2
374	7.7	172	3.1	112	112BL 2
340	8.4	189	1.3	71*	112BL 2
322	8.9	200	2.9	112	112BL 2
317	9.0	204	1.7	90*	112BL 2
288	9.9	224	1.2	71*	112BL 2
282	10.1	229	1.6	90*	112BL 2
251	11.4	256	1.1	71*	112BL 2
250	11.5	258	1.5	90*	112BL 2
243	11.8	265	2.6	112	112BL 2
220	13.0	293	1.4	90*	112BL 2
218	13.1	295	2.4	112	112BL 2
205	13.9	314	1.0	71*	112BL 2
200	7.2	323	1.3	90*	132M 4
188	7.7	343	2.0	112	132M 4
178	16.1	363	2.6	112	112BL 2
162	8.9	398	1.8	112	132M 4
159	9.0	404	1.1	90*	132M 4
142	10.1	454	1.1	90*	132M 4
126	11.5	513	1.0	90*	132M 4
122	11.8	526	1.6	112	132M 4
111	13.0	582	0.9	90*	132M 4
110	13.1	587	1.5	112	132M 4
103	14.0	626	0.9	90*	132M 4
92	15.7	704	1.0	90*	132M 4
89	16.1	721	1.6	112	132M 4
81	17.7	794	0.9	90*	132M 4
80	17.9	803	1.6	112	132M 4
72	20.1	901	0.9	90*	132M 4
70	20.6	962	2.7	125	132M 4
69	20.9	937	1.4	112	132M 4
65	22.3	996	1.8	112	132M 4
63	23.0	1029	0.8	90*	132M 4
62	23.3	1090	2.4	125	132M 4
61	23.6	1058	1.3	112	132M 4
58	24.9	1163	2.2	125	132M 4
56	25.6	1146	1.2	112	132M 4
56	25.7	1149	0.8	90*	132M 4
51	28.0	1307	2.8	140	132M 4
51	28.5	1332	2.0	125	132M 4
49	29.4	1317	1.3	112	132M 4
48	30.0	1404	2.6	140	132M 4
47	30.6	1430	1.8	125	132M 4
44	32.8	1468	1.2	112*	132M 4
40	35.6	1665	1.6	125	132M 4
38	37.9	1772	2.1	140	132M 4
38	38.2	1711	1.0	112*	132M 4
37	38.6	1805	3.0	160	132M 4
37	38.6	1805	1.5	125	132M 4
33	43.2	1933	0.9	112	132M 4
32	45.2	2112	1.8	140	132M 4
31	46.0	2151	2.5	160	132M 4
31	46.0	2151	1.3	125	132M 4
31	46.8	2093	0.8	112	132M 4
29	49.7	2324	1.7	140	132M 4
28	50.6	2367	2.4	160	132M 4
28	50.6	2367	1.2	125	132M 4
27	53.9	2522	1.6	140	132M 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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7.5 kW	$n_1=2860 \text{ min}^{-1}$ $n_1=1440 \text{ min}^{-1}$	112BL 2 132M 4
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26	54.9	2568	2.2	160	132M 4
26	55.1	2575	1.1	125	132M 4
24	61.0	2851	2.8	180	132M 4
22	64.5	3014	1.3	140	132M 4
22	65.0	3039	0.9	125	132M 4
22	65.7	3070	1.8	160	132M 4
20	71.2	3328	1.2	140	132M 4
20	71.2	3329	0.8	125	132M 4
19.9	72.5	3390	1.7	160	132M 4
19.5	73.8	3451	2.3	180	132M 4
17.7	81.2	3794	1.0	140	132M 4
17.4	82.7	3864	1.4	160	132M 4
17.1	84.2	3935	2.0	180	132M 4
16.0	90.1	4213	1.3	160	132M 4
15.7	91.7	4290	1.8	180	132M 4
15.4	93.4	4366	2.5	200	132M 4
14.6	98.8	4620	1.2	160	132M 4
14.3	100.6	4704	1.6	180	132M 4
14.1	102.4	4788	2.3	200	132M 4
13.2	109.1	5101	1.1	160	132M 4
13.0	111.1	5193	1.5	180	132M 4
12.7	113.1	5286	2.0	200	132M 4
11.6	123.6	5781	1.3	180	132M 4
11.4	125.8	5884	1.8	200	132M 4
11.2	129.1	5906	0.9	160	132M 4
10.5	137.8	6303	1.8	200	132M 4
10.3	140.0	6405	0.9	160	132M 4
10.1	142.1	6501	1.2	180	132M 4
9.3	154.7	7078	1.1	180	132M 4
8.9	162.4	7433	1.5	200	132M 4
8.1	177.6	8128	1.4	200	132M 4
7.7	186.2	8519	0.9	180	132M 4
7.4	195.3	8938	1.3	200	132M 4
7.0	206.2	9437	0.8	180	132M 4
6.9	207.3	9485	1.1	200	132M 4
5.9	244.4	11184	1.0	200	132M 4
5.4	267.3	12230	0.9	200	132M 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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9.2 kW	$n_1=1450 \text{ min}^{-1}$	132ML 4
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63	22.9	1303	2.8	140	132ML 4
62	23.3	1327	2.0	125	132ML 4
61	23.6	1288	1.0	112	132ML 4
57	25.6	1395	1.0	112	132ML 4
52	28.0	1593	2.3	140	132ML 4
51	28.5	1622	1.6	125	132ML 4
49	29.4	1604	1.1	112	132ML 4
44	32.8	1788	1.0	112	132ML 4
41	35.0	1991	1.9	140	132ML 4
41	35.6	2028	1.3	125	132ML 4
41	35.6	2028	2.7	160	132ML 4
38	38.2	2085	0.8	112	132ML 4
32	45.2	2573	1.5	140	132ML 4
32	46.0	2621	2.1	160	132ML 4
32	46.0	2621	1.0	125	132ML 4
29	50.6	2884	1.0	125	132ML 4
26	55.1	3136	0.9	125	132ML 4
26	55.9	3186	2.5	180	132ML 4
24	61.0	3473	2.3	180	132ML 4
20	71.2	4054	1.0	140	132ML 4
20	72.5	4129	1.4	160	132ML 4
17.5	82.7	4708	1.1	160	132ML 4
17.2	84.2	4793	1.6	180	132ML 4
16.1	90.1	5132	1.1	160	132ML 4
15.8	91.7	5226	1.5	180	132ML 4
15.5	93.4	5319	2.0	200	132ML 4
14.4	100.6	5730	1.3	180	132ML 4
14.2	102.4	5833	1.9	200	132ML 4
13.1	111.1	6327	1.2	180	132ML 4
12.8	113.1	6439	1.7	200	132ML 4
11.7	123.6	7042	1.1	180	132ML 4
11.5	125.8	7168	1.5	200	132ML 4
10.5	137.8	7679	1.5	200	132ML 4
10.2	142.1	7919	1.0	180	132ML 4
9.4	154.7	8622	0.9	180	132ML 4
8.9	162.4	9055	1.2	200	132ML 4
8.2	177.6	9901	1.1	200	132ML 4
7.4	195.3	10889	1.0	200	132ML 4
7.0	207.3	11555	0.9	200	132ML 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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11 kW	$n_1=2940 \text{ min}^{-1}$ $n_1=1455 \text{ min}^{-1}$	132M 2 160M 4
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124	11.8	764	1.1	112*	160M 4
118	12.4	840	3.0	125	160M 4
111	13.1	852	1.0	112*	160M 4
90	16.1	1046	1.1	112*	160M 4
89	16.3	1105	2.3	125	160M 4
81	17.9	1166	1.1	112*	160M 4
72	20.2	1371	2.6	140	160M 4
71	20.6	1396	1.8	125	160M 4
70	20.9	1360	0.9	112*	160M 4
65	22.3	1446	1.2	112*	160M 4
64	22.9	1553	2.4	140	160M 4
62	23.3	1582	1.6	125	160M 4
62	23.6	1535	0.9	112*	160M 4
60	24.4	1657	2.2	140	160M 4
59	24.9	1688	1.5	125	160M 4
57	25.6	1663	0.8	112*	160M 4
51	28.5	1933	2.7	160	160M 4
51	28.5	1933	1.3	125	160M 4
49	29.4	1912	0.9	112*	160M 4
48	30.0	2038	1.8	140	160M 4
48	30.6	2076	2.5	160	160M 4
48	30.6	2076	1.3	125	160M 4
44	32.8	2131	0.8	112*	160M 4
42	35.0	2372	1.6	140	160M 4
41	35.6	2416	1.1	125	160M 4
41	35.6	2416	2.2	160	160M 4
38	37.9	2573	1.5	140	160M 4
38	38.6	2620	2.1	160	160M 4
38	38.6	2620	1.0	125	160M 4
36	40.0	2712	2.8	180	160M 4
33	43.5	2952	2.6	180	160M 4
32	45.2	3066	1.2	140	160M 4
32	46.0	3123	1.7	160	160M 4
32	46.0	3123	0.9	125	160M 4
29	49.7	3374	1.2	140	160M 4
29	50.6	3436	1.6	160	160M 4
29	50.6	3436	0.8	125	160M 4
28	52.4	3554	2.3	180	160M 4
27	53.9	3660	1.1	140	160M 4
26	54.9	3728	1.5	160	160M 4
26	54.9	3728	3.0	200	160M 4
26	55.9	3796	2.1	180	160M 4
24	61.0	4138	1.9	180	160M 4
23	62.1	4212	2.7	200	160M 4
23	64.5	4376	0.9	140	160M 4
22	65.7	4457	1.3	160	160M 4
21	68.1	4619	2.4	200	160M 4
20	72.5	4920	1.1	160	160M 4
19.7	73.8	5010	1.6	180	160M 4
19.4	75.1	5099	2.2	200	160M 4
17.3	84.2	5711	1.3	180	160M 4
15.9	91.7	6227	1.2	180	160M 4
15.6	93.4	6338	1.7	200	160M 4
14.5	100.6	6828	1.1	180	160M 4
14.2	102.4	6950	1.6	200	160M 4
13.1	111.1	7538	1.0	180	160M 4
12.9	113.1	7673	1.4	200	160M 4
11.6	125.8	8541	1.3	200	160M 4
10.6	137.8	9150	1.2	200	160M 4

9.2 kW	$n_1=1450 \text{ min}^{-1}$	132ML 4
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201	7.2	393	1.1	90*	132ML 4
189	7.7	417	1.6	112	132ML 4
163	8.9	485	1.5	112	132ML 4
161	9.0	492	0.9	90*	132ML 4
143	10.1	553	0.9	90*	132ML 4
127	11.5	625	0.8	90*	132ML 4
123	11.8	641	1.3	112	132ML 4
111	13.1	715	1.2	112	132ML 4
92	15.7	857	0.8	90*	132ML 4
90	16.1	878	1.3	112	132ML 4
89	16.3	927	2.7	125	132ML 4
82	17.7	968	0.8	90*	132ML 4
81	17.9	979	1.3	112	132ML 4
70	20.6	1172	2.2	125	132ML 4
69	20.9	1141	1.1	112	132ML 4

11 kW	$n_1=2940 \text{ min}^{-1}$ $n_1=1455 \text{ min}^{-1}$	132M 2 160M 4
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407	7.2	232	1.4	90*	132M 2
384	7.7	246	2.2	112*	132M 2
331	8.9	286	2.0	112*	132M 2
326	9.0	290	1.2	90*	132M 2
290	10.1	326	1.1	90*	132M 2
257	11.5	368	1.1	90*	132M 2
250	11.8	378	1.8	112*	132M 2
226	13.0	418	1.0	90*	132M 2
224	13.1	422	1.7	112*	132M 2
210	14.0	450	1.2	90*	132M 2
190	7.7	497	1.3	112*	160M 4
164	8.9	578	1.2	112*	160M 4
146	20.1	647	0.9	90*	132M 2
132	22.3	716	1.9	112*	132M 2



3.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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11 kW	$n_1=2940\text{ min}^{-1}$ $n_1=1455\text{ min}^{-1}$	132M 2 160M 4
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10.2	142.1	9436	0.8	180	160M 4
9.0	162.4	10789	1.0	200	160M 4
8.2	177.6	11798	0.9	200	160M 4
7.4	195.3	12974	0.9	200	160M 4

15 kW	$n_1=2900\text{ min}^{-1}$ $n_1=1455\text{ min}^{-1}$	132ML 2 160L 4
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402	7.2	321	1.0	90*	132ML 2
379	7.7	340	1.6	112*	132ML 2
326	8.9	395	1.5	112*	132ML 2
321	9.0	401	0.9	90*	132ML 2
286	10.1	451	0.8	90*	132ML 2
253	11.5	509	0.8	90*	132ML 2
247	11.8	523	1.3	112*	132ML 2
221	13.1	583	1.2	112*	132ML 2
207	14.0	622	0.8	90*	132ML 2
190	7.7	678	1.0	112*	160L 4
164	8.9	788	0.9	112*	160L 4
145	10.0	926	2.4	125	160L 4
139	20.9	930	1.1	112*	132ML 2
130	22.3	989	1.4	112*	132ML 2
124	11.8	1042	0.8	112*	160L 4
118	12.4	1145	2.2	125	160L 4
113	25.6	1138	1.0	112*	132ML 2
91	16.0	1479	2.4	140	160L 4
90	16.1	1427	0.8	112*	160L 4
89	16.3	1506	1.7	125	160L 4
81	17.9	1590	0.8	112*	160L 4
72	20.2	1869	1.9	140	160L 4
71	20.6	1904	2.7	160	160L 4
71	20.6	1904	1.3	125	160L 4
65	22.3	1972	0.9	112*	160L 4
64	22.9	2117	1.7	140	160L 4
62	23.3	2157	1.2	125	160L 4
62	23.3	2157	2.4	160	160L 4
60	24.4	2259	1.6	140	160L 4
59	24.9	2301	2.3	160	160L 4
59	24.9	2301	1.1	125	160L 4
53	27.6	2550	2.9	180	160L 4
52	28.0	2588	1.4	140	160L 4
51	28.5	2636	2.0	160	160L 4
51	28.5	2636	1.0	125	160L 4
48	30.0	2780	1.3	140	160L 4
48	30.6	2831	1.8	160	160L 4
48	30.6	2831	0.9	125	160L 4
46	31.7	2932	2.6	180	160L 4
43	34.1	3157	2.4	180	160L 4
42	35.0	3235	1.2	140	160L 4
41	35.6	3295	0.8	125	160L 4
41	35.6	3295	1.6	160	160L 4
38	37.9	3508	1.1	140	160L 4
38	38.6	3573	1.5	160	160L 4
38	38.7	3585	3.0	200	160L 4
36	40.0	3698	2.1	180	160L 4
33	43.5	4026	1.9	180	160L 4
32	45.2	4181	0.9	140	160L 4

3.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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15 kW	$n_1=2900\text{ min}^{-1}$ $n_1=1455\text{ min}^{-1}$	132ML 2 160L 4
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32	45.7	4228	2.6	200	160L 4
32	46.0	4258	1.3	160	160L 4
29	49.7	4601	0.9	140	160L 4
29	50.0	4623	2.4	200	160L 4
29	50.6	4686	1.2	160	160L 4
28	52.4	4846	1.7	180	160L 4
27	53.9	4991	0.8	140	160L 4
26	54.9	5084	1.1	160	160L 4
26	54.9	5084	2.2	200	160L 4
26	55.9	5176	1.5	180	160L 4
24	61.0	5643	1.4	180	160L 4
23	62.1	5744	1.9	200	160L 4
22	65.7	6077	0.9	160	160L 4
21	68.1	6298	1.8	200	160L 4
20	72.5	6710	0.8	160	160L 4
19.7	73.8	6832	1.2	180	160L 4
19.4	75.1	6954	1.6	200	160L 4
15.6	93.4	8643	1.2	200	160L 4
14.2	102.4	9477	1.1	200	160L 4
12.9	113.1	10463	1.0	200	160L 4
10.6	137.8	12477	0.9	200	160L 4

18.5 kW	$n_1=2910\text{ min}^{-1}$ $n_1=1460\text{ min}^{-1}$ $n_1=970\text{ min}^{-1}$	160L 2 180M 4 200L 6
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380	7.7	418	1.3	112*	160L 2
327	8.9	486	1.2	112*	160L 2
291	10.0	571	3.7	125	160L 2
247	11.8	643	1.1	112*	160L 2
235	12.4	706	3.4	125	160L 2
222	13.1	716	1.0	112*	160L 2
181	16.1	880	1.1	112*	160L 2
179	16.3	929	2.6	125	160L 2
162	17.9	981	1.0	112*	160L 2
149	9.8	1118	2.9	140	180M 4
146	10.0	1138	2.0	125	180M 4
123	23.6	1291	0.9	112*	160L 2
120	12.1	1382	2.5	140	180M 4
118	12.4	1407	1.8	125	180M 4
114	25.6	1398	0.8	112*	160L 2
99	29.4	1608	0.9	112*	160L 2
91	16.0	1818	1.9	140	180M 4
90	16.3	1851	1.4	125	180M 4
90	16.3	1851	2.7	160	180M 4
82	35.6	2032	1.3	125	160L 2
82	35.6	2032	2.5	160	160L 2
72	20.2	2297	1.6	140	180M 4
71	20.6	2340	2.2	160	180M 4
71	20.6	2340	1.1	125	180M 4
64	22.7	2582	2.9	180	180M 4
64	22.9	2603	1.4	140	180M 4
63	23.3	2651	1.0	125	180M 4
63	23.3	2651	2.0	160	180M 4
59	24.9	2828	1.8	160	180M 4
59	24.9	2828	0.9	125	180M 4
57	25.8	2932	2.6	180	180M 4

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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18.5 kW	$n_1=2910\text{ min}^{-1}$ $n_1=1460\text{ min}^{-1}$ $n_1=970\text{ min}^{-1}$	160L 2 180M 4 200L 6
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53	27.6	3134	2.4	180	180M 4
52	28.0	3181	1.2	140	180M 4
51	28.5	3240	1.6	160	180M 4
51	28.5	3240	0.8	125	180M 4
49	30.0	3417	1.1	140	180M 4
48	30.6	3480	1.5	160	180M 4
47	31.1	3534	3.0	200	180M 4
46	31.7	3604	2.1	180	180M 4
43	34.1	3881	2.0	180	180M 4
42	35.0	3976	1.0	140	180M 4
41	35.6	4050	1.3	160	180M 4
41	35.9	4082	2.6	200	180M 4
39	37.9	4312	0.9	140	180M 4
38	38.6	4392	1.2	160	180M 4
38	38.7	4407	2.5	200	180M 4
37	40.0	4545	1.7	180	180M 4
34	43.5	4948	1.6	180	180M 4
32	45.7	5196	2.1	200	180M 4
32	46.0	5234	1.0	160	180M 4
29	50.0	5682	2.0	200	180M 4
29	50.6	5760	1.0	160	180M 4
28	52.4	5956	1.3	180	180M 4
27	54.9	6248	0.9	160	180M 4
27	54.9	6249	1.8	200	180M 4
26	55.9	6362	1.3	180	180M 4
24	61.0	6936	1.2	180	180M 4
24	62.1	7060	1.6	200	180M 4
21	68.1	7741	1.4	200	180M 4
19.8	73.8	8397	1.0	180	180M 4
19.4	75.1	8547	1.3	200	180M 4
15.6	93.4	10623	1.0	200	180M 4
14.3	68.1	11652	1.0	200	200L 6
12.9	75.1	12864	0.9	200	200L 6

22 kW	$n_1=2925\text{ min}^{-1}$ $n_1=1460\text{ min}^{-1}$ $n_1=975\text{ min}^{-1}$	180M 2 180L 4 200L 6
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292	10.0	676	3.2	125	180M 2
236	12.4	835	2.8	125	180M 2
180	16.3	1099	2.2	125	180M 2
149	9.8	1329	2.4	140	180L 4
146	10.0	1354	1.7	125	180L 4
120	12.1	1643	2.1	140	180L 4
118	12.4	1673	3.0	160	180L 4
118	12.4	1673	1.5	125	180L 4
91	16.0	2162	1.6	140	180L 4
90	16.3	2202	1.1	125	180L 4
90	16.3	2202	2.3	160	180L 4
73	20.1	2720	2.6	180	180L 4
72	20.2	2732	1.3	140	180L 4
71	20.6	2783	1.8	160	180L 4
71	20.6	2783	0.9	125	180L 4
64	22.7	3070	2.4	180	180L 4
64	22.9	3095	1.2	140	180L 4
63	23.3	3152	0.8	125	180L 4
63	23.3	3152	1.6	160	180L 4



3.7 Prestazioni motoriduttori

3.7 Gearmotors performances

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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22 kW	$n_1 = 2925 \text{ min}^{-1}$ $n_1 = 1460 \text{ min}^{-1}$ $n_1 = 975 \text{ min}^{-1}$	180M 2 180L 4 200L 6
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60	24.4	3302	1.1	140	180L 4
59	24.9	3364	1.5	160	180L 4
57	25.5	3448	3.0	200	180L 4
57	25.8	3487	2.2	180	180L 4
53	27.6	3727	2.0	180	180L 4
52	28.0	3783	1.0	140	180L 4
51	28.5	3853	1.3	160	180L 4
50	29.0	3926	2.7	200	180L 4
49	30.0	4063	0.9	140	180L 4
48	30.6	4138	1.3	160	180L 4
47	31.1	4203	2.5	200	180L 4
46	31.7	4286	1.7	180	180L 4
43	34.1	4615	1.7	180	180L 4
42	35.0	4728	0.8	140	180L 4
41	35.6	4816	1.1	160	180L 4
41	35.9	4854	2.2	200	180L 4
38	38.6	5223	1.0	160	180L 4
38	38.7	5241	2.1	200	180L 4
37	40.0	5405	1.4	180	180L 4
34	43.5	5884	1.3	180	180L 4
32	45.7	6179	1.7	200	180L 4
32	46.0	6224	0.9	160	180L 4
29	50.0	6757	1.7	200	180L 4
29	50.6	6849	0.8	160	180L 4
28	52.4	7083	1.1	180	180L 4
27	54.9	7431	1.5	200	180L 4
26	55.9	7565	1.1	180	180L 4
24	61.0	8248	1.0	180	180L 4
24	62.1	8395	1.3	200	180L 4
21	68.1	9206	1.2	200	180L 4
19.8	73.8	9985	0.8	180	180L 4
19.4	75.1	10164	1.1	200	180L 4
17.7	54.9	11128	1.0	200	200L 6
15.7	62.1	12571	0.9	200	200L 6
14.3	68.1	13785	0.8	200	200L 6

30 kW	$n_1 = 2945 \text{ min}^{-1}$ $n_1 = 1465 \text{ min}^{-1}$	200L 2 200L 4
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294	10.0	915	2.3	125	200L 2
242	12.1	1111	3.0	140	200L 2
238	12.4	1131	2.1	125	200L 2
184	16.0	1461	2.3	140	200L 2
181	16.3	1488	1.6	125	200L 2
149	9.8	1806	1.8	140	200L 4
146	10.0	1840	2.7	160	200L 4
146	10.0	1840	1.2	125	200L 4
121	12.1	2233	1.5	140	200L 4
118	12.4	2274	2.2	160	200L 4
118	12.4	2274	1.1	125	200L 4
114	12.9	2369	3.0	180	200L 4
92	16.0	2938	1.2	140	200L 4
92	16.0	2941	2.4	180	200L 4
90	16.3	2992	0.8	125	200L 4
90	16.3	2992	1.7	160	200L 4
84	35.0	3197	1.1	140	200L 2

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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30 kW	$n_1 = 2945 \text{ min}^{-1}$ $n_1 = 1465 \text{ min}^{-1}$	200L 2 200L 4
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73	20.1	3696	1.9	180	200L 4
73	20.2	3713	1.0	140	200L 4
71	20.6	3781	1.3	160	200L 4
69	21.3	3907	2.6	200	200L 4
65	22.5	4145	2.5	200	200L 4
65	22.7	4172	1.8	180	200L 4
64	22.9	4206	0.9	140	200L 4
63	23.3	4284	1.2	160	200L 4
60	24.4	4488	0.8	140	200L 4
59	24.9	4571	1.1	160	200L 4
57	25.5	4686	2.2	200	200L 4
57	25.8	4739	1.6	180	200L 4
53	27.6	5064	1.5	180	200L 4
51	28.5	5236	1.0	160	200L 4
50	29.0	5336	2.0	200	200L 4
48	30.6	5624	0.9	160	200L 4
47	31.1	5712	1.8	200	200L 4
46	31.7	5825	1.3	180	200L 4
43	34.1	6272	1.2	180	200L 4
41	35.6	6545	0.8	160	200L 4
41	35.9	6597	1.6	200	200L 4
38	38.7	7122	1.5	200	200L 4
37	40.0	7345	1.0	180	200L 4
34	43.5	7997	1.0	180	200L 4
32	45.7	8398	1.3	200	200L 4
29	50.0	9183	1.2	200	200L 4
28	52.4	9626	0.8	180	200L 4
27	54.9	10099	1.1	200	200L 4
24	62.1	11409	1.0	200	200L 4
22	68.1	12511	0.9	200	200L 4
19.5	75.1	13812	0.8	200	200L 4

37 kW	$n_1 = 2950 \text{ min}^{-1}$ $n_1 = 1475 \text{ min}^{-1}$	200L 2 225S 4
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300	9.8	1106	2.8	140	200L 2
295	10.0	1127	1.9	125*	200L 2
243	12.1	1368	2.4	140	200L 2
238	12.4	1393	1.7	125*	200L 2
185	16.0	1799	1.9	140	200L 2
181	16.3	1833	1.3	125*	200L 2
181	16.3	1833	2.6	160	200L 2
153	9.7	2177	3.0	180	225S 4
150	9.8	2213	1.5	140	225S 4
147	10.0	2253	2.2	160	225S 4
121	12.1	2735	1.3	140	225S 4
119	12.4	2786	1.8	160	225S 4
114	12.9	2902	2.4	180	225S 4
97	15.2	3431	2.9	200	225S 4
92	16.0	3598	1.0	140	225S 4
92	16.0	3603	1.9	180	225S 4
91	16.3	3665	1.4	160	225S 4
84	35.0	3936	0.9	140	200L 2
73	20.1	4528	1.6	180	225S 4
72	20.6	4632	1.1	160	225S 4
69	21.3	4786	2.1	200	225S 4

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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37 kW	$n_1 = 2950 \text{ min}^{-1}$ $n_1 = 1475 \text{ min}^{-1}$	200L 2 225S 4
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65	22.5	5078	2.1	200	225S 4
65	22.7	5111	1.5	180	225S 4
63	23.3	5248	1.0	160	225S 4
59	24.9	5599	0.9	160	225S 4
58	25.5	5741	1.8	200	225S 4
57	25.8	5805	1.3	180	225S 4
54	27.6	6204	1.2	180	225S 4
52	28.5	6414	0.8	160	225S 4
51	29.0	6536	1.6	200	225S 4
47	31.1	6997	1.5	200	225S 4
47	31.7	7135	1.1	180	225S 4
43	34.1	7683	1.0	180	225S 4
41	35.9	8081	1.3	200	225S 4
38	38.7	8724	1.2	200	225S 4
37	40.0	8997	0.9	180	225S 4
32	45.7	10287	1.0	200	225S 4
30	50.0	11249	1.0	200	225S 4
27	54.9	12371	0.9	200	225S 4
24	62.1	13976	0.8	200	225S 4

45 kW	$n_1 = 2945 \text{ min}^{-1}$ $n_1 = 1475 \text{ min}^{-1}$	225M 2 225M 4
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300	9.8	1348	2.3	140*	225M 2
294	10.0	1373	3.4	160	225M 2
242	12.1	1666	2.0	140*	225M 2
238	12.4	1697	2.8	160	225M 2
184	16.0	2192	1.5	140*	225M 2
181	16.3	2233	2.1	160	225M 2
153	9.7	2647	2.5	180	225M 4
150	9.8	2691	1.2	140*	225M 4
147	10.0	2741	1.8	160	225M 4
130	22.7	3113	2.3	180	225M 2
121	12.1	3327	1.0	140*	225M 4
119	12.4	3388	2.9	200	225M 4
119	12.4	3388	1.5	160	225M 4
114	12.9	3530	2.0	180	225M 4
97	15.2	4172	2.4	200	225M 4
92	16.0	4382	1.6	180	225M 4
91	16.3	4458	1.1	160	225M 4
83	35.6	4884	1.1	160	225M 2
73	20.1	5507	1.3	180	225M 4
72	20.6	5634	0.9	160	225M 4
69	21.3	5821	1.7	200	225M 4
65	22.5	6175	1.7	200	225M 4
65	22.7	6216	1.2	180	225M 4
63	23.3	6382	0.8	160	225M 4
58	25.5	6982	1.5	200	225M 4
57	25.8	7060	1.1	180	225M 4
54	27.6	7545	1.0	180	225M 4
51	29.0	7949	1.3	200	225M 4
47	31.1	8510	1.2	200	225M 4
47	31.7	8678	0.9	180	225M 4
43	34.1	9344	0.8	180	225M 4
41	35.9	9828	1.1	200	225M 4
38	38.7	10611	1.0	200	225M 4



3.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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45 kW	$n_1 = 2945 \text{ min}^{-1}$	225M 2
	$n_1 = 1475 \text{ min}^{-1}$	225M 4

32	45.7	12511	0.9	200	225M 4
30	50.0	13681	0.8	200	225M 4

55 kW	$n_1 = 2950 \text{ min}^{-1}$	250M 2
	$n_1 = 1475 \text{ min}^{-1}$	250M 4

305	9.7	1618	3.8	180	250M 2
229	12.9	2157	3.1	180	250M 2
184	16.0	2678	2.5	180	250M 2
153	9.7	3236	2.0	180	250M 4
148	10.0	3347	1.5	160	250M 4
146	10.1	3378	2.9	200	250M 4
119	12.4	4150	1.2	160	250M 4
119	12.4	4140	2.4	200	250M 4
114	12.9	4314	1.6	180	250M 4
97	15.2	5100	1.9	200	250M 4
92	16.0	5356	1.3	180	250M 4
90	16.3	5456	0.9	160*	250M 4
73	20.1	6730	1.1	180	250M 4
69	21.3	7114	1.4	200	250M 4
65	22.5	7548	1.4	200	250M 4
65	22.7	7597	1.0	180	250M 4
58	25.5	8533	1.2	200	250M 4
57	25.8	8629	0.9	180	250M 4
54	27.6	9222	0.8	180	250M 4
51	29.0	9716	1.1	200	250M 4
47	31.1	10401	1.0	200	250M 4
41	35.9	12012	0.9	200	250M 4
38	38.7	12968	0.8	200	250M 4

3.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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75 kW	$n_1 = 2975 \text{ min}^{-1}$	280S 2
	$n_1 = 1470 \text{ min}^{-1}$	250M 4

308	9.7	2188	2.8	180*	280S 2
295	10.1	2284	4.1	200	280S 2
231	12.9	2917	2.3	180*	280S 2
195	15.2	3448	2.7	200	280S 2
186	16.0	3621	1.8	180*	280S 2
152	9.7	4427	1.5	180*	250M 4
146	10.1	4622	2.1	200	250M 4
119	12.4	5665	1.7	200	250M 4
114	12.9	5903	1.2	180*	250M 4
96	15.2	6978	1.4	200	250M 4
92	16.0	7328	1.0	180*	250M 4
69	21.3	9734	1.0	200	250M 4
65	22.5	10327	1.0	200	250M 4
58	25.5	11676	0.9	200	250M 4

3.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'	OM-OC ROC	
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90 kW	$n_1 = 2975 \text{ min}^{-1}$	280M 2
	$n_1 = 1480 \text{ min}^{-1}$	280M 4

308	9.7	2625	2.4	180*	280M 2
295	10.1	2741	3.4	200*	280M 2
241	12.4	3359	2.8	200*	280M 2
231	12.9	3500	1.9	180*	280M 2
195	15.2	4137	2.3	200*	280M 2
186	16.0	4345	1.5	180*	280M 2
153	9.7	5277	1.2	180*	280M 4
147	10.1	5509	1.8	200*	280M 4
120	12.4	6752	1.5	200*	280M 4
115	12.9	7036	1.0	180*	280M 4
97	15.2	8317	1.2	200*	280M 4
93	16.0	8734	0.8	180*	280M 4
70	21.3	11602	0.9	200*	280M 4
66	22.5	12309	0.9	200*	280M 4

N.B.

Tutte le potenze indicate si riferiscono alla potenza meccanica dei riduttori.

Per i riduttori contrassegnati con (*) è opportuno effettuare la verifica della potenza limite termico secondo le indicazioni riportate nel par. 1.5

NOTE.

The power indicated is based on the mechanical capacities of the gearboxes. For the gearboxes marked with (*) it is also necessary to obey the thermal capacity like shown on chapter 1.5.

HINWEIS.

Die Leistungsangaben beziehen sich auf die mechanische Belasbarkeit der Getriebe. Bei den mit (*) gekennzeichneten Getrieben ist außerdem die thermische Leistungsgrenze zu beachten (s. Kap 1.5).