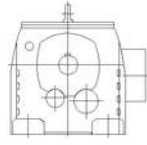
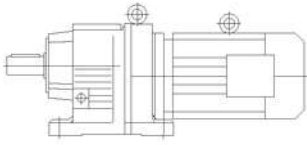


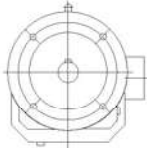
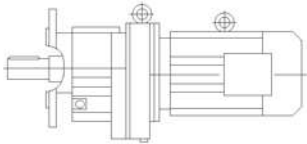
## 6 JRTR rechte motorreductor

### 6.1 Uitvoeringen



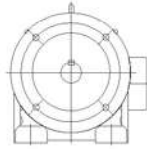
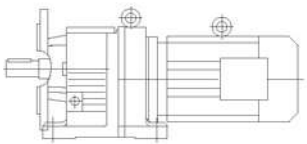
#### **JRTR..D..**

volle uitgaande as, voetmontage



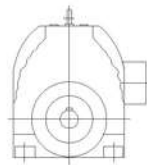
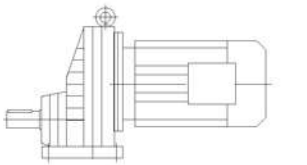
#### **JRTRF..D..**

volle uitgaande as, flensmontage



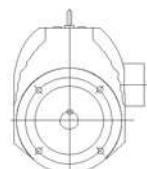
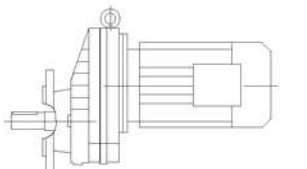
#### **JRTR..F D..**

volle ingaande as, voet- en flensmontage



#### **JRTRX..D..**

ééntraps reductor, voetmontage



#### **JRTRXF..D..**

ééntraps reductor, flensmontage

## 6.2 Tabel met combinaties van reductor en elektromotor en overbrengingsverhouding

Type	Trappen	D63 /D71	D80	D90	D100	D112	D132S	D132M
JRTRX/RXF57	1	1.65-5.50	1.30-4.35	1.30-3.79	1.30-2.64 3.14	1.30-2.64	1.30-2.04	1.30-2.04
JRTRX/RXF67	1	2.04-6.07	1.61-5.18	1.40-4.53	1.40-3.77	1.40-3.20	1.40-2.54	1.40-2.54
JRTRX/RXF77	1	2.70-8.00	2.13-6.41	1.42-5.63	1.42-4.73	1.42-4.04	1.42-3.25	1.42-3.25
JRTRX/RXF87	1		3.09-8.65	2.15-7.63	1.60-6.45	1.60-5.56	1.39-4.50	1.39-4.50
JRTRX/RXF97	1		4.04-8.23	2.92-8.23	2.24-8.23	2.24-7.16	1.42-5.79	1.42-5.79
JRTRX/RXF107	1				2.64-6.63	2.64-6.63	1.71-6.63	1.71-6.63
JRTR/RF17	2	3.83-25.23	3.83-19.71					
JRTR/RF17	3	24.07-81.64	24.07-81.64	3.37-8.16				
JRTR/RF27	2	3.37-28.37	3.37-22.32	10.13-19.35	3.37-6.59 10.13-15.63			
JRTR/RF27	3	24.47-135.09	24.47-105.49	24.47-48.17 61.30-90.96	24.47-32.47 39.25 61.30 74.11			
JRTR/RF37	2	3.41-28.32	3.41-22.27	3.41-19.31	3.41-15.60			
JRTR/RF37	3	24.42-134.82	24.42-105.28	24.42-48.08 61.18-90.77	24.42-32.40 39.17 61.18 73.96			
JRTR/RF47	2	4.85-7.76 10.15-33.79	3.83-26.74	3.83-23.28	3.83-16.22 19.27	3.83-16.22	3.83-6.00 8.01-12.54	3.83-6.00 8.01-12.54
JRTR/RF47	3	29.88-176.88	23.59-139.99	23.59-121.87	23.59-47.75 56.73 76.23-84.90 100.86	23.59-47.75		23.59-36.93
JRTR/RF57	2	6.41-9.06 11.88-26.31	5.05-26.31	4.39-26.31	4.39-21.93	4.39-18.60	4.39-7.97 9.35-14.77	4.39-7.97 9.35-14.77
JRTR/RF57	3	30.18-186.89	26.97-147.92	26.97-128.77	26.97-48.23 57.29 80.55-89.71 106.58	26.97-48.23 80.55-89.71	26.97-37.30	26.97-37.30
JRTR/RF67	2	6.27-7.79 12.70-28.13	4.93-7.79 10.00-28.13	4.29-28.13	4.29-23.44	4.29-19.89	4.29-15.79	4.29-15.79
JRTR/RF67	3	32.27-199.81	28.83-158.14	28.83-137.67	28.83-51.56 61.26-95.91 113.94	28.83-51.56 69.75-95.91	28.83-39.88 69.75-74.17	28.83-39.88 69.75-74.17
JRTR/RF77	2	8.59 15.60-23.37	6.79-8.59 12.33-23.37	5.31-23.37	5.31-23.37	5.31-23.37	5.31-18.80	5.31-18.80
JRTR/RF77	3	36.83-195.24	29.00-166.59	25.23-145.67	25.23-121.42	25.23-102.99	25.23-45.81 65.77-81.80	25.23-45.81 65.77-81.80
JRTR/RF87	2		19.10-34.40	7.13-9.14 13.33-34.40	5.30-34.40	5.30-34.40	5.30-27.84	5.30-27.84
JRTR/RF87	3		41.74-246.54	27.88-216.54	27.88-181.77	27.88-155.34	27.88-63.68 81.92-124.97	27.88-63.68 81.92-124.97
JRTR/RF97	2		22.37-32.05	9.29 16.17-32.05	7.12-9.26 12.39-32.05	7.12-9.29 12.39-32.05	4.50-32.05	4.50-32.05
JRTR/RF97	3		53.21-65.21 103.44-289.74	37.13-255.71	27.58-216.28	27.58-186.30	27.58-150.78	27.58-150.78
JRTR/RF107	2				15.65-30.77	15.65-30.77	5.82-7.86 10.13-30.77	5.82-7.86 10.13-30.77
JRTR/RF107	3					40.37-251.15	29.49-203.16	29.49-203.16
JRTR/RF137	2						7.59 12.83-29.57	7.59 12.83-29.57
JRTR/RF137	3						32.91-222.60	32.91-222.60

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Type	Trappen	D160S	D160M	D160L	D180	D200	D225	D250M
JRTRX/RXF77	1	1.42-2.43	1.42-2.43					
JRTRX/RXF87	1	1.39-3.48	1.39-3.48	1.39-3.48	1.39-2.76			
JRTRX/RXF97	1	1.42-4.52	1.42-4.52	1.42-4.52	1.42-3.64	1.42-29.2		
JRTRX/RXF107	1	1.44-5.19	1.44-5.19	1.44-5.19	1.44-4.20	1.44-3.38	1.44-3.38	
JRTR/RF77	2	5.31-7.74 9.64-14.05	5.31-7.74 9.64-14.05					
JRTR/RF77	3	25.23-33.47	25.23-33.47					
JRTR/RF87	2	5.30-21.51	5.30-21.51	5.30-21.51	5.30-17.08			
JRTR/RF87	3	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-36.84			
JRTR/RF97	2	4.50-25.03	4.50-25.03	4.50-25.03	4.50-20.14	4.50-16.17		
JRTR/RF97	3	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-47.58 72.17-92.48	27.58-37.13 72.17		
JRTR/RF107	2	4.92-30.77	4.92-30.77	4.92-30.77	4.92-24.90	4.92-20.07	4.92-20.07	
JRTR/RF107	3	29.49-158.68	29.49-158.68	29.49-158.68	29.49-65.60 78.57-127.68	29.49-52.68 78.57-102.53	29.49-52.68 78.57-102.53	
JRTR/RF137	2	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	5.15-29.57	5.15-24.12	5.15-24.12	5.15-19.04
JRTR/RF137	3	27.83-174.40	27.83-174.40	27.83-174.40	27.83-141.12	27.83-65.20 88.70-113.72	27.83-65.20 88.70-113.72	27.83-50.86 88.70
JRTR/RF147	2	7.25 11.99-20.44	7.25 11.99-20.44	7.25 11.99-20.44	5.89-7.25 9.74-20.44	5.00-20.44	5.00-20.44	5.00-20.44
JRTR/RF147	3	29.95-163.31	29.95-163.31	29.95-163.31	24.19-146.91	24.19-119.86	24.19-119.86	24.19-52.87 72.09-94.60
JRTR/RF167	2		14.48-46.00	14.48-46.00	11.99-37.74	10.24-30.71	10.24-30.71	10.24-24.57
JRTR/RF167	3		34.41-229.71	34.41-229.71	27.96-186.93	23.71-153.07	23.71-153.07	23.71-58.65 82.91-121.81
JRTR177/RF177	2	11.37-36.12	11.37-36.12	11.37-36.12	9.6-29.64	8.19-24.12	8.19-24.12	8.19-19.29
JRTR177/RF177	3	24.56-32.3 57.51-182.73	24.56-32.3 57.51-182.73	24.56-32.3 57.51-182.73	20.35-32.3 57.51-149.94	17.37-122	17.37-122	17.37-97.6
JRTR187/RF187	2				9.57 13.26-20.19	8.16-20.19	8.16-20.19	8.16-20.19
JRTR187/RF187	3				21.21 66.15-160.87	18.08-160.87	18.08-160.87	18.08-129.32

Type	Trappen	D280	D315	D315M-A/B				
JRTR/RF147	2	5.00-20.44						
JRTR/RF147	3	24.19-52.87 72.09-94.60						
JRTR/RF167	2	10.24-24.57	10.24-19.03	10.24-14.48				
JRTR/RF167	3	23.71-58.65 82.91-121.81	23.71-44.87 82.91-93.19	23.71-34.41				
JRTR177/RF177	2	8.19-19.29	8.19-14.95	8.19-11.37				
JRTR177/RF177	3	17.37-97.6	17.37-75.62	17.37-24.56 40.67-57.51				
JRTR187/RF187	2	8.16-20.19	8.16-20.19	8.16-15.78				
JRTR187/RF187	3	18.08-129.32	18.08-100.71	18.08-34.98 47.73-78.71				

## 6.3 Tabellen met overbrengingsverhoudingen en maximale koppels

JRTRX57-107  $n_e=1400$  1/min

JRTRX57		70Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
5.50	255	39	3010	AD <sub>2</sub>
5.07	276	36	3030	
4.35	322	68	2640	
3.79	369	69	2480	
3.55	394	69	2420	
3.14	446	65	2320	
2.91	481	67	2170	
2.64	530	69	1810	
2.37	591	69	1500	
2.04	686	69	1070	AD <sub>3</sub>
1.92	729	69	890	
1.65	848	69	430	
1.48	946	68	112	
1.30	1075	63	132	

JRTRX67		135Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
6.07	231	43	4010	AD <sub>2</sub>
5.18	270	75	3580	
4.53	309	82	3350	
4.30	326	80	3300	
3.77	371	87	3090	
3.20	438	100	2800	
2.89	484	106	2640	AD <sub>3</sub>
2.54	551	118	2000	
2.40	583	123	1530	
2.04	686	134	230	
1.86	753	126	225	
1.61	870	114	245	
1.40	1000	104	205	

JRTRX77		215Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
8.00	175	57	6330	AD <sub>2</sub>
7.47	187	53	6200	
6.41	218	103	5600	
5.63	249	110	5300	
5.35	262	103	5240	AD <sub>3</sub>
4.73	296	123	4900	
4.04	347	143	4500	
3.70	378	153	4290	
3.25	431	182	3200	
3.08	455	193	2560	AD <sub>4</sub>
2.70	519	215	1110	
2.43	576	215	510	
2.13	657	200	435	
1.88	745	187	335	
1.67	838	173	315	
1.42	986	155	315	

JRTRX87		400Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
8.65	162	139	7890	AD <sub>2</sub>
7.63	183	149	7490	
7.20	194	140	7380	
6.45	217	192	6850	AD <sub>3</sub>
5.56	252	225	6320	
5.07	276	250	5980	
4.50	311	290	5500	AD <sub>4</sub>
3.78	370	305	5030	
3.48	402	405	2730	AD <sub>5</sub>
3.09	453	405	1950	
2.76	507	405	1200	
2.48	565	405	470	
2.15	651	385	42	
1.93	725	355	185	
1.60	875	315	74	
1.39	1005	290	74	

JRTRX97		600Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
8.23	170	225	9560	AD <sub>3</sub>
7.16	196	260	8950	
6.56	213	300	8500	
5.79	242	420	7630	AD <sub>4</sub>
4.91	285	395	7220	
4.52	310	595	6180	AD <sub>5</sub>
4.04	347	595	5380	
3.64	385	595	4530	
3.30	424	595	3730	
2.92	479	595	2810	
2.64	530	595	1980	
2.24	625	595	495	
1.96	714	570	19	
1.64	854	505	51	
1.42	986	455	132	

JRTRX107		830Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
6.63	211	460	9700	AD <sub>4</sub>
5.61	250	455	9080	
5.19	270	695	7850	AD <sub>5</sub>
4.65	301	695	7450	
4.20	333	830	6420	
3.81	367	830	5550	
3.38	414	830	4490	
3.07	456	830	3600	AD <sub>5</sub>
2.64	530	830	2170	
2.30	609	830	900	
1.95	718	765	555	
1.71	819	705	480	
1.44	972	645	315	

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JRTR17-37  $n_e=1400$  1/min

JRTR17		85Nm	
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]
3-stage			
81.64	17	85	1770
70.39	20	85	1770
65.61	21	85	1770
57.35	24	85	1770
53.76	26	85	1770
47.44	30	85	1770
44.18	32	85	1770
38.61	36	85	1770
36.20	39	85	1770
31.94	44	85	1770
28.32	49	85	1770
24.07	58	85	1650
2-stage			
25.23	55	85	1690
23.15	60	85	1620
19.71	71	85	1500
16.99	82	85	1400
15.84	88	85	1350
13.84	101	85	1270
12.98	108	85	1230
11.45	122	81	1180
10.15	138	77	1140
8.63	162	72	1090
7.55	185	56	1040
7.04	199	55	1010
6.15	228	54	950
5.76	243	53	930
5.09	275	51	890
4.51	310	48	870
3.83	366	45	830

JRTR27		130Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
135.09	10	130	4230	
123.91	11	130	4230	
105.49	13	130	4230	AD1
90.96	15	130	4230	
84.78	17	130	4230	
74.11	19	130	4230	
69.47	20	130	4180	
61.30	23	130	3980	
55.87	25	130	3840	
48.17	29	130	3630	
44.90	31	130	3530	AD1
39.25	36	130	3350	
36.79	38	130	3260	
32.47	43	130	3100	
28.78	49	130	2950	
24.47	57	130	2770	
2-stage				
28.37	49	130	2940	
26.09	54	130	2840	
22.32	63	130	2660	
19.35	72	130	2510	
18.08	77	130	2440	
15.63	90	130	2290	
13.28	105	130	2140	
11.86	118	129	1990	
10.13	138	122	1890	AD2
9.41	149	122	900	
8.16	172	116	870	
7.63	183	112	900	
6.59	212	106	880	
5.60	250	99	880	
5.00	280	95	860	
4.27	328	87	920	
4.00	350	85	910	
3.37	415	79	900	

JRTR37		200Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
134.82	10	200	4950	
123.66	11	200	4950	
105.28	13	200	4950	
90.77	15	200	4950	
84.61	17	200	4950	AD1
73.96	19	200	4950	
69.33	20	200	4950	
61.18	23	200	4950	
55.76	25	200	4950	
48.08	29	200	4950	
44.81	31	200	4950	
39.17	36	200	4760	
36.72	38	200	4540	AD2
32.40	43	200	4120	
28.73	49	200	3740	
24.42	57	200	3240	
2-stage				
28.32	49	200	3690	
26.03	54	185	3860	
22.27	63	200	2970	
19.31	73	200	2570	
18.05	78	200	2390	
15.60	90	200	2010	
13.25	106	190	1880	
11.83	118	183	1810	AD2
10.11	138	170	1820	
9.47	148	167	1760	
7.97	176	156	1720	
6.67	210	144	1000	
5.67	247	142	760	
5.06	277	135	790	
4.32	324	126	820	
4.05	346	122	850	
3.41	411	112	900	

JRTR47-67  $n_g=1400$  1/min

JRTR47		300Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
176.88	7.9	300	5420	
162.94	8.6	300	5420	
139.99	10	300	5420	
121.87	11	300	5420	
114.17	12	300	5420	
100.86	14	300	5420	
93.68	15	300	5420	
84.90	16	300	5420	
76.23	18	300	5420	
68.54	20	300	5420	
64.21	22	300	5420	AD <sub>2</sub>
56.73	25	300	5420	
52.69	27	300	5350	
47.75	29	300	5150	
42.87	33	300	4930	
36.93	38	300	4630	
34.73	40	300	4520	
29.88	47	300	4240	
26.70	52	300	4050	
23.59	59	300	3840	
2-stage				
33.79	41	240	4690	
31.12	45	220	4610	
26.74	52	300	4050	
23.28	60	300	3820	
21.81	64	300	3710	
19.27	73	295	3530	
17.89	78	290	3390	
16.22	86	275	3350	
14.56	96	265	3230	
12.54	112	250	3080	AD <sub>2</sub>
11.79	119	245	3020	
10.15	138	230	2890	
9.07	154	220	2780	
8.01	175	205	2690	
7.76	180	163	2720	
6.96	201	159	2620	
6.00	233	156	2470	
5.64	248	155	2410	
4.85	289	150	2280	
4.34	323	146	2190	
3.83	366	144	2090	AD <sub>3</sub>

JRTR57		450Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
186.89	7.5	450	7110	
172.17	8.1	450	7110	
147.92	9.5	450	7110	
128.77	11	450	7110	
120.63	12	450	7110	
106.58	13	450	7110	
98.99	14	450	7110	
89.71	16	450	7110	AD <sub>2</sub>
80.55	17	450	7110	
69.23	20	450	7110	
64.85	22	450	6980	
57.29	24	450	6630	
53.22	26	450	6430	
48.23	29	450	6170	
43.30	32	450	5900	
37.30	38	450	5530	
35.07	40	450	5390	
30.18	46	450	5050	
26.97	52	450	4800	
2-stage				
26.31	53	450	4750	
24.99	56	450	4640	
21.93	64	450	4370	AD <sub>2</sub>
18.60	75	450	4050	
16.79	83	450	3860	
14.77	95	435	3690	
13.95	100	430	3610	
11.88	118	405	3430	
10.79	130	390	3330	
9.35	150	370	3180	
9.06	155	375	2010	
7.97	176	355	2020	AD <sub>3</sub>
7.53	186	350	1950	
6.41	218	335	1770	
5.82	241	320	1820	
5.05	277	305	1730	
4.39	319	280	1900	

JRTR67		600Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
199.81	7.0	600	7650	
184.07	7.6	600	7650	
158.14	8.9	600	7650	
137.67	10	600	7650	
128.97	11	600	7650	
113.94	12	600	7650	
105.83	13	600	7650	
95.91	15	600	7650	
86.11	16	600	7650	
74.17	19	600	7650	AD <sub>2</sub>
69.75	20	600	7650	
61.26	23	600	7650	
56.89	25	600	7650	
51.56	27	600	7650	
46.29	30	600	7650	
39.88	35	580	7790	
37.50	37	570	7900	
32.27	43	540	8210	
28.83	49	520	8400	
2-stage				
28.13	50	540	8210	
26.72	52	540	8210	AD <sub>2</sub>
23.44	60	560	8010	
19.89	70	600	7560	
17.95	78	590	7330	
15.79	89	560	7130	
14.91	94	550	6980	
12.70	110	520	6650	
11.54	121	500	6500	
10.00	140	470	6220	
8.70	161	440	5960	AD <sub>3</sub>
7.79	180	380	5830	
7.36	190	370	5790	
6.27	223	330	5590	
5.70	246	310	5450	
4.93	284	290	5210	
4.29	326	270	5000	

JRTR

DRIVE SYSTEMS

JRTR77-97  $n_g=1400$  1/min

JRTR77		820Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
195.24	7.2	820	9920	
166.59	8.4	820	9920	
145.67	9.6	820	9920	
138.39	10	820	9920	
121.42	12	820	9920	
102.99	14	820	9920	
92.97	15	820	9920	
81.80	17	820	9920	
77.24	18	820	9920	AD <sub>2</sub>
65.77	21	820	9920	
57.68	24	820	9920	
52.07	27	820	9920	
45.81	31	820	9920	
43.26	32	820	9920	
36.83	38	820	9920	
33.47	42	820	9920	
29.00	48	820	9920	
25.23	55	780	10100	
2-stage				
23.37	60	820	8870	
21.43	65	820	8250	
18.80	74	780	7980	
17.82	79	780	7620	
15.60	90	740	7390	AD <sub>3</sub>
14.05	100	720	7050	
12.33	114	690	6740	
10.88	129	660	6490	
9.64	145	630	6300	
8.59	163	630	4110	
7.74	181	610	3940	
6.79	206	580	3850	AD <sub>4</sub>
5.99	234	540	3990	
5.31	264	510	3990	

JRTR87		1550Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
246.54	5.7	1550	16900	
216.54	6.5	1550	16900	
205.71	6.8	1550	16900	
181.77	7.7	1550	16900	
155.34	9.0	1550	16900	
142.41	9.8	1550	16900	
124.97	11	1550	16900	
118.43	12	1550	16900	AD <sub>2</sub>
103.65	14	1550	16900	
93.38	15	1550	16900	
81.92	17	1550	16900	
72.57	19	1550	16900	
63.68	22	1550	15800	
60.35	23	1550	15200	
52.82	27	1550	13500	
47.58	29	1550	16900	
41.74	34	1550	16900	
36.84	38	1550	16800	
32.66	43	1550	16000	AD <sub>3</sub>
27.88	50	1550	15100	
2-stage				
34.40	41	1550	9480	
31.40	45	1550	7820	AD <sub>3</sub>
27.84	50	1550	15000	
23.40	60	1550	13900	
21.51	65	1550	13600	
19.10	73	1440	13000	
17.08	82	1390	12600	AD <sub>4</sub>
15.35	91	1340	12100	
13.33	105	1280	11600	
11.93	117	1230	11200	
9.90	141	1180	10400	
9.14	153	1210	10500	
8.22	170	1160	10200	
7.13	196	1070	9780	AD <sub>5</sub>
6.39	219	1020	9450	
5.30	254	910	8980	

JRTR97		3000Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
289.74	4.8	3000	19800	
255.71	5.5	3000	19800	
241.25	5.8	3000	19800	
216.28	6.5	3000	19800	
186.30	7.5	3000	19800	
170.02	8.2	3000	19800	
150.78	9.3	3000	19800	
126.75	11	3000	19800	AD <sub>3</sub>
116.48	12	3000	19800	
103.44	14	3000	19800	
92.48	15	3000	19800	
83.15	17	3000	19800	
72.17	19	3000	19800	
65.21	21	3000	19800	
59.92	23	3000	19800	
53.21	26	3000	19800	
47.58	29	3000	19800	
42.78	33	3000	19800	
37.13	38	3000	18600	AD <sub>4</sub>
33.25	42	2890	17900	
27.58	51	2670	16900	
2-stage				
32.05	44	2560	10600	
27.19	51	2560	8380	AD <sub>4</sub>
25.03	56	2830	15900	
22.37	63	2720	15300	
20.14	70	2610	14800	
18.24	77	2500	14400	
16.17	87	2400	13800	
14.62	96	2300	13400	
12.39	113	2190	12700	AD <sub>5</sub>
10.83	129	2090	12100	
9.29	151	2030	12200	
8.39	167	2030	11700	
7.12	197	2000	10900	
6.21	225	1890	10500	
5.20	269	1780	9850	
4.50	311	1630	9500	AD <sub>5</sub>

JRTR107-147  $n_e=1400$  1/min

JRTR107		4300Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
251.15	5.6	4300	29500	
229.95	6.1	4300	29500	
203.16	6.9	4300	29500	
172.34	8.1	4300	29500	
158.68	8.8	4300	29500	
141.83	9.9	4300	29500	AD <sub>3</sub>
127.68	10	4300	29500	
115.63	12	4300	29500	
102.53	14	4300	29500	
92.70	15	4300	29500	
78.57	18	4300	29500	
72.88	19	4300	29500	
65.60	21	4300	29200	
59.41	24	4300	28000	
52.68	27	4300	26600	
47.63	29	4300	25500	AD <sub>4</sub>
40.37	35	4300	23800	
35.26	40	4300	22400	
29.49	47	4300	20700	
2-stage				
30.77	45	4300	21100	
27.58	51	4300	20100	
24.90	56	4300	19200	
22.62	62	4300	18300	AD <sub>4</sub>
20.07	70	4300	17300	
18.21	77	4300	16600	
15.65	89	4300	15400	
13.66	102	4300	14400	
11.59	121	4300	13300	
10.13	138	4300	12400	
8.56	164	4300	11300	
7.86	178	2970	13800	AD <sub>5</sub>
6.66	210	2970	12800	
5.82	241	2970	12100	
4.92	285	2900	11300	

JRTR137		8000Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
222.60	6.3	8000	53400	
188.45	7.4	8000	53400	
174.40	8.0	8000	53400	
156.31	9.0	8000	53400	
141.12	9.9	8000	53400	
128.18	11	8000	53400	AD <sub>4</sub>
113.72	12	8000	53400	
103.20	14	8000	53400	
88.70	16	8000	53400	
80.91	17	8000	53400	
73.49	19	8000	53400	
65.20	21	8000	53400	
59.17	24	8000	53400	
50.86	28	8000	53400	
44.39	32	8000	53400	
37.65	37	8000	53400	AD <sub>5</sub>
32.91	43	8000	53400	
27.83	50	7680	54100	
2-stage				
29.57	47	7780	53900	
24.12	58	8000	49400	AD <sub>5</sub>
22.00	64	8000	47100	
19.04	74	8000	43500	
16.80	83	8000	40600	
14.51	96	8000	37300	
12.83	109	8000	34700	AD <sub>7</sub>
10.79	130	8000	31100	
8.71	161	7840	27600	
7.59	184	5110	39000	
6.38	219	5110	35900	
5.15	272	4600	34500	

JRTR147		13000Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
163.31	8.6	13000	62700	
146.91	9.5	13000	62700	
119.86	12	13000	62700	AD <sub>4</sub>
109.31	13	13000	62700	
94.60	15	13000	62700	
83.47	17	13000	62700	
72.09	19	13000	62700	
66.99	21	13000	62700	
61.09	23	13000	62700	AD <sub>5</sub>
52.87	26	13000	62700	
46.65	30	13000	62700	
40.29	35	13000	62700	AD <sub>6</sub>
35.64	39	13000	62700	
29.95	47	13000	62700	AD <sub>7</sub>
24.19	58	11900	64700	
2-stage				
20.44	68	12000	64600	
18.04	78	10500	67000	
15.64	90	13000	62700	
13.91	101	12600	63400	
11.99	117	13000	60400	
9.74	144	13000	54400	AD <sub>8</sub>
8.26	169	13000	49900	
7.25	193	8670	58400	
5.89	238	8670	53200	
5.00	280	8670	49300	



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JRTR167-187  $n_e=1400$  1/min

JRTR167		18000Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
229.71	6.1	18000	120000	AD <sub>5</sub>
186.93	7.5	18000	120000	
153.07	9.1	18000	120000	
139.98	10	18000	120000	
121.81	11	18000	120000	
107.49	13	18000	120000	
93.19	15	18000	120000	
82.91	17	18000	120000	
73.70	19	18000	120000	
67.40	21	18000	120000	
58.65	24	18000	120000	
51.76	27	18000	120000	
44.87	31	18000	120000	AD <sub>7</sub>
39.92	35	18000	120000	
34.41	41	18000	120000	
27.96	50	18000	120000	AD <sub>8</sub>
23.71	59	18000	116500	
2-stage				
46.00	30	7000	120000	AD <sub>5</sub>
37.74	37	9000	120000	AD <sub>6</sub>
30.71	46	10000	120000	
24.57	57	14000	120000	AD <sub>8</sub>
21.85	64	13000	120000	
19.03	74	16000	111400	
16.98	82	15000	108900	
14.48	97	18000	93800	
11.99	117	17000	88700	
10.24	137	17000	82500	

JRTR177		32000 Nm			
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD	
3-stage					
182.73	7.66	32000	150000	AD <sub>5</sub>	
149.94	9.34	32000	150000		
122.00	11.48	32000	150000	AD <sub>6</sub>	
97.60	14.34	32000	147200		
86.80	16.13	32000	140100	AD <sub>7</sub>	
75.62	18.51	32000	132000		
67.47	20.75	32000	125600		
57.51	24.35	32000	117000	AD <sub>8</sub>	
47.65	29.38	32000	107400		
40.67	34.42	32000	99700		
32.30	43.34	32000	93700		
28.82	48.58	32000	88600		
24.56	57.00	32000	81700		
20.35	68.80	32000	74000		
17.37	80.60	32000	67900		
2-stage					
36.12	38.76	15000	145000		JIE
29.64	47.23	18000	132000		
24.12	58.05	20000	120000		
19.29	72.57	31000	91000		
17.16	81.60	27000	92000		
14.95	93.66	32000	78000		
13.34	104.97	31000	77000		
11.37	123.16	32000	68000		
9.60	145.83	31000	64000		
8.19	170.94	29000	62000		

JRTR187		50000 Nm		
i	$n_a$ [1/min]	$M_{amax}$ [Nm]	$F_{Ra}$ [N]	AD
3-stage				
160.87	8.70	50000	190000	AD <sub>6</sub>
147.76	9.47	50000	190000	
129.32	10.83	50000	190000	AD <sub>7</sub>
115.99	12.07	50000	188200	
100.71	13.90	50000	177200	
91.38	15.32	50000	169000	AD <sub>8</sub>
78.71	17.79	50000	159000	
66.15	21.16	50000	147000	
57.28	24.44	50000	137500	
47.73	29.33	50000	126100	
44.75	31.28	50000	116600	
40.61	34.48	50000	112700	
34.98	40.03	50000	107200	
29.40	47.62	50000	99100	
25.45	55.01	47600	90200	
21.21	66.01	43900	86800	
18.08	77.42	41400	84000	
2-stage				
20.19	69.33	45000	177200	JIE
18.32	76.41	42000	169900	
15.78	88.70	50000	159000	
13.26	105.55	48000	147000	
11.48	121.90	48000	137500	
9.57	146.28	45000	126100	
8.16	171.57	45000	116000	







DRIVE SYSTEMS

JRTR137/147R77, JRTR147R87,  $n_g=1400$  1/min

JRTR137R77		8000Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R137	R77		
22203	0.06	3	3	8000	53400
18945	0.07	3	3	8000	53400
16566	0.08	3	3	8000	53400
14777	0.09	3	3	8000	53400
12921	0.11	3	3	8000	53400
11712	0.12	3	3	8000	53400
10573	0.13	3	3	8000	53400
8784	0.16	3	3	8000	53400
7479	0.19	3	3	8000	53400
6559	0.21	3	3	8000	53400
5834	0.24	3	3	8000	53400
5116	0.27	3	3	8000	53400
4709	0.30	2	3	8000	53400
4464	0.31	3	3	8000	53400
4018	0.35	2	3	8000	53400
3928	0.36	3	3	8000	53400
3514	0.40	2	3	8000	53400
3454	0.41	3	3	8000	53400
3338	0.42	2	3	8000	53400
2993	0.47	3	3	8000	53400
2929	0.48	2	3	8000	53400
2658	0.53	3	2	8000	53400
2484	0.56	2	3	8000	53400
2412	0.58	3	2	8000	53400
2242	0.62	2	3	8000	53400
2073	0.68	3	2	8000	53400
1863	0.75	2	3	8000	53400
1839	0.76	3	2	8000	53400
1598	0.88	3	2	8000	53400
1586	0.88	2	3	8000	53400
1397	1.0	3	2	8000	53400
1391	1.0	2	3	8000	53400
1256	1.1	2	3	8000	53400
1226	1.1	3	2	8000	53400
1105	1.3	2	3	8000	53400
1090	1.3	3	2	8000	53400
1043	1.3	2	3	8000	53400
951	1.5	3	2	8000	53400
888	1.6	2	3	8000	53400
831	1.7	3	2	8000	53400
730	1.9	3	2	8000	53400
699	2.0	2	3	8000	53400
629	2.2	3	2	8000	53400
609	2.3	2	3	8000	53400
564	2.5	2	2	8000	53400
560	2.5	3	2	8000	53400
517	2.7	2	2	8000	53400
490	2.9	3	2	8000	53400
453	3.1	2	2	8000	53400
428	3.3	3	2	8000	53400
381	3.7	3	2	8000	53400
376	3.7	2	2	8000	53400
339	4.1	2	2	8000	53400
323	4.3	3	2	8000	53400
297	4.7	2	2	8000	53400
291	4.8	3	2	8000	53400
255	5.5	3	2	8000	53400
223	6.3	3	2	8000	53400
197	7.1	3	2	8000	53400
175	8.0	3	2	8000	53400

JRTR147R77		13000Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R147	R77		
23401	0.06	3	3	13000	62700
21342	0.07	3	3	13000	62700
18210	0.08	3	3	13000	62700
15923	0.09	3	3	13000	62700
14075	0.10	3	3	13000	62700
12344	0.11	3	3	13000	62700
11143	0.13	3	3	13000	62700
9743	0.14	3	3	13000	62700
8443	0.17	3	3	13000	62700
7307	0.19	3	3	13000	62700
6447	0.22	3	3	13000	62700
5568	0.25	3	3	13000	62700
4926	0.28	3	3	13000	62700
4325	0.32	3	3	13000	62700
3754	0.37	3	3	13000	62700
3302	0.42	3	3	13000	62700
2898	0.48	3	3	13000	62700
2555	0.55	3	2	13000	62700
2211	0.63	3	2	13000	62700
1951	0.72	3	2	13000	62700
1705	0.82	3	2	13000	62700
1536	0.91	3	2	13000	62700
1329	1.1	3	2	13000	62700
1166	1.2	3	2	13000	62700
1029	1.4	3	2	13000	62700
889	1.6	3	2	13000	62700
784	1.8	3	2	13000	62700
695	2.0	3	2	13000	62700
619	2.3	3	2	13000	62700
558	2.5	3	2	13000	62700
489	2.9	3	2	13000	62700
415	3.4	3	2	13000	62700

JRTR147R87		13000Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R147	R87		
533	2.6	3	2	13000	62700
462	3.0	3	2	13000	62700
426	3.3	3	2	13000	62700
368	3.8	3	2	13000	62700
326	4.3	3	2	13000	62700
280	5.0	3	2	13000	62700
247	5.7	3	2	13000	62700
214	6.5	3	2	13000	62700
189	7.4	3	2	13000	62700
159	8.8	3	2	13000	62700

JRTR167R97, JRTR167R107, JRTR177R97  $n_g=1400$  1/min

JRTR167R97		18000Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R167	R97		
27001	0.05	3	3	18000	120000
22482	0.06	3	3	18000	120000
20002	0.07	3	3	18000	120000
17361	0.08	3	3	18000	120000
15446	0.09	3	3	18000	120000
14051	0.10	3	3	18000	120000
11812	0.12	3	3	18000	120000
10509	0.13	3	3	18000	120000
9631	0.15	3	3	18000	120000
7749	0.18	3	3	18000	120000
6894	0.20	3	3	18000	120000
6077	0.23	3	3	18000	120000
5407	0.26	3	3	18000	120000
4650	0.30	3	3	18000	120000
4129	0.34	3	3	18000	120000
3692	0.38	3	3	18000	120000
3099	0.45	3	3	18000	120000
2657	0.53	3	2	18000	120000
2333	0.60	3	2	18000	120000
2085	0.67	3	2	18000	120000
1877	0.75	3	2	18000	120000
1670	0.84	3	2	18000	120000
1438	0.97	3	2	18000	120000
1279	1.1	3	2	18000	120000
1123	1.2	3	2	18000	120000
999	1.4	3	2	18000	120000
861	1.6	3	2	18000	120000
760	1.8	3	2	18000	120000
656	2.1	3	2	18000	120000
579	2.4	3	2	18000	120000
503	2.8	3	2	18000	120000
432	3.2	3	2	18000	120000
376	3.7	3	2	18000	120000
335	4.2	3	2	18000	120000
303	4.6	3	2	18000	120000
279	5.0	3	2	18000	120000

JRTR167R107		18000Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R167	R107		
3637	0.38	2	3	18000	120000
3330	0.42	2	3	18000	120000
2757	0.51	2	3	18000	120000
2436	0.57	2	3	18000	120000
2298	0.61	2	3	18000	120000
2066	0.68	2	3	18000	120000
1849	0.76	2	3	18000	120000
1674	0.84	2	3	18000	120000
1485	0.94	2	3	18000	120000
1342	1.0	2	3	18000	120000
1229	1.1	2	3	18000	120000
1111	1.3	2	3	18000	120000
950	1.5	2	3	18000	120000
860	1.6	2	3	18000	120000
763	1.8	2	3	18000	120000
690	2.0	2	3	18000	120000
585	2.4	2	3	18000	120000
511	2.7	2	3	18000	120000
446	3.1	2	2	18000	120000
399	3.5	2	2	18000	120000
361	3.9	2	2	18000	120000
349	4.0	3	2	18000	120000
328	4.3	2	2	18000	120000
295	4.7	3	2	18000	120000
291	4.8	2	2	18000	120000
270	5.2	3	2	18000	120000
264	5.3	2	2	18000	120000
229	6.1	3	2	18000	120000
227	6.2	2	2	18000	120000
200	7.0	3	2	18000	120000
198	7.1	2	2	18000	120000
169	8.3	3	2	18000	120000
168	8.3	2	2	18000	120000

JRTR177R97		32000 Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R177	R97		
21910	0.06	3	3	32000	150000
19337	0.07	3	3	32000	150000
16663	0.08	3	3	32000	150000
14706	0.10	3	3	32000	150000
12857	0.11	3	3	32000	150000
11402	0.12	3	3	32000	150000
9585	0.15	3	3	32000	150000
7289	0.19	3	3	32000	150000
5949	0.24	3	3	32000	150000
5319	0.26	3	3	32000	150000
4531	0.31	3	3	32000	150000
3750	0.37	3	3	32000	150000
3060	0.46	3	3	32000	150000
2514	0.56	3	3	32000	150000
2056	0.68	3	2	32000	150000
1893	0.74	3	2	32000	150000
1564	0.90	3	2	32000	150000
1439	0.97	3	2	32000	150000
1223	1.14	3	2	32000	150000
1049	1.33	3	2	32000	150000
937	1.49	3	2	32000	150000
841	1.67	3	2	32000	150000
703	1.99	3	2	32000	150000
623	2.25	3	2	32000	150000
534	2.62	3	2	32000	150000
470	2.98	3	2	32000	150000
409	3.42	3	2	32000	150000

JRTR177R107, JRTR187R97, JRTR187R107  $n_g=1400$  1/min

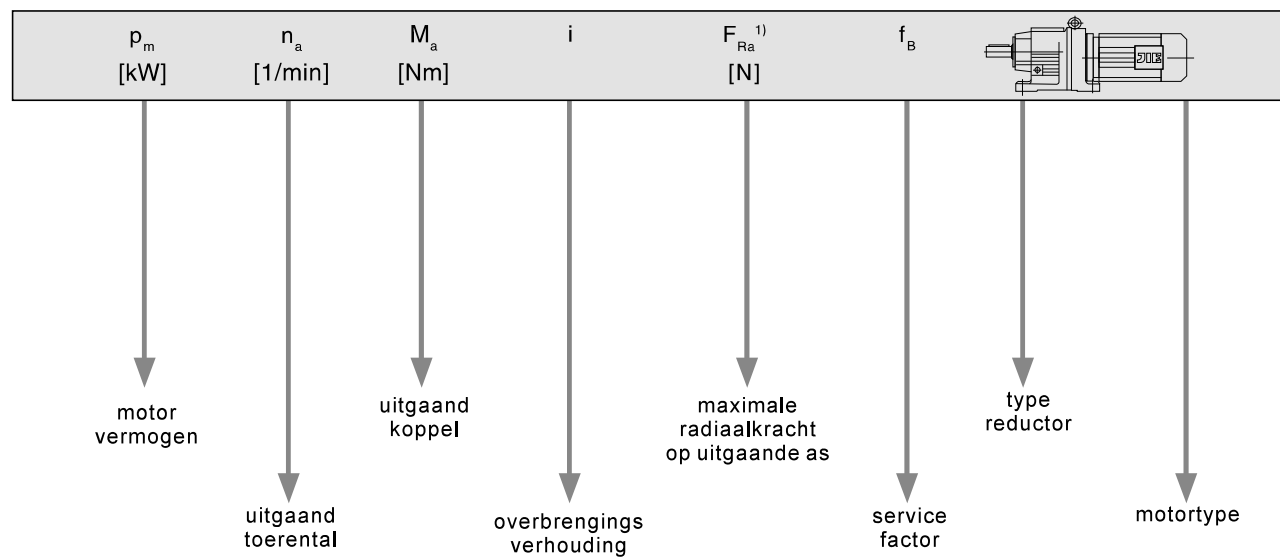
JRTR177R107		32000 Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R177	R107		
368	3.81	2	2	32000	150000
350	4.00	2	2	32000	150000
314	4.46	2	2	32000	150000
283	4.95	2	2	32000	150000
257	5.44	2	2	32000	150000
228	6.14	2	2	32000	150000
207	6.76	2	2	32000	150000
178	7.87	2	2	32000	150000

JRTR187R97		50000 Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R187	R97		
29180	0.05	3	3	50000	190000
24296	0.06	3	3	50000	190000
19764	0.07	3	3	50000	190000
17123	0.08	3	3	50000	190000
15185	0.09	3	3	50000	190000
12765	0.11	3	3	50000	190000
11731	0.12	3	3	50000	190000
10417	0.13	3	3	50000	190000
9314	0.15	3	3	50000	190000
8374	0.17	3	3	50000	190000
7268	0.19	3	3	50000	190000
6567	0.21	3	3	50000	190000
6035	0.23	3	3	50000	190000
5359	0.26	3	3	50000	190000
4792	0.29	3	3	50000	190000
4308	0.32	3	3	50000	190000
3739	0.37	3	3	50000	190000
3228	0.43	3	2	50000	190000
2738	0.51	3	2	50000	190000
2521	0.56	3	2	50000	190000
2253	0.62	3	2	50000	190000
2028	0.69	3	2	50000	190000
1837	0.76	3	2	50000	190000
1628	0.86	3	2	50000	190000
1436	0.98	3	2	50000	160000
1248	1.12	3	2	50000	190000
1151	1.22	3	2	50000	160000
936	1.50	3	2	50000	190000
845	1.66	3	2	50000	190000
660	2.12	3	2	50000	160000
555	2.52	3	2	50000	160000
471	2.97	3	2	50000	160000

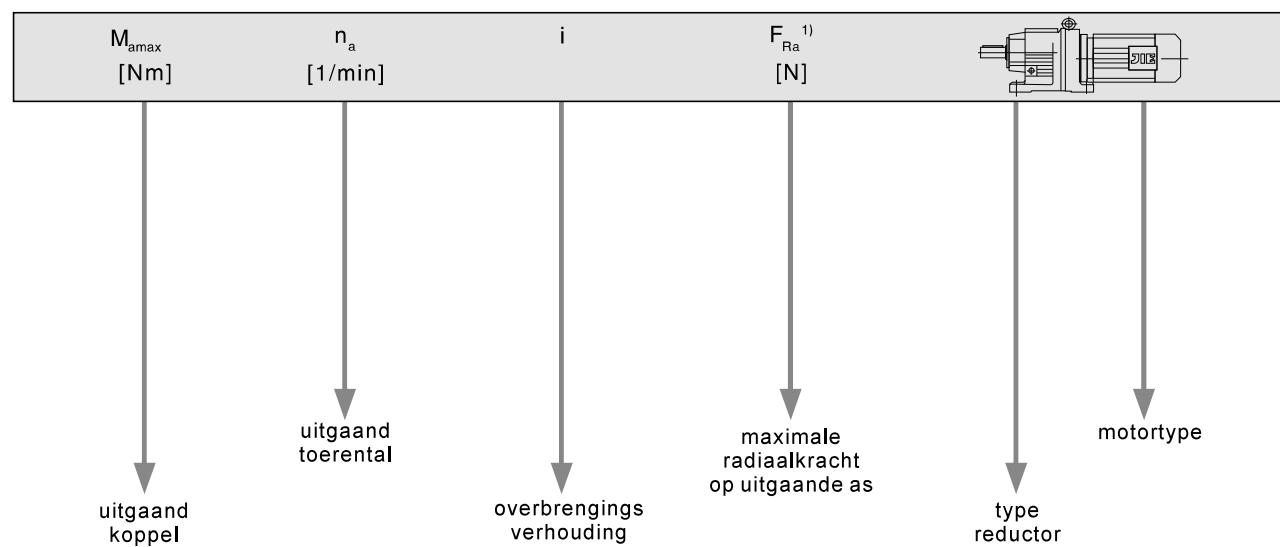
JRTR187R107		50000 Nm			
i	$n_a$ [1/min]	Stage		$M_{amax}$ [Nm]	$F_{Ra}$ [N]
		R187	R107		
435	3.22	2	2	50000	160000
393	3.56	2	2	50000	160000
357	3.92	2	2	50000	160000
317	4.42	2	2	50000	160000
287	4.87	2	2	50000	160000
247	5.67	2	2	50000	160000
216	6.49	2	2	50000	160000
183	7.65	2	2	50000	160000
160	8.76	2	2	50000	160000
135	10.36	2	2	50000	160000

## 6.4 Selectietabellen

### Selectietabel voor motorreductoren



### Selectietabel voor motorreductoren met een laag uitgaand toerental





uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>0.12kW</b>					
0.06	13300	21342	62000	1.00	
0.08	11400	18210	65700	1.15	JRTR147R77DS63S4
0.09	9930	15923	67900	1.30	JRTRF147R77DS63S4
0.10	8780	14075	69400	1.50	
0.11	7650	12344	70700	1.70	
0.12	6740	11143	71600	1.95	
0.14	6040	9743	72200	2.2	JRTR147R77DS63S4
0.16	4830	8443	73100	2.7	JRTRF147R77DS63S4
0.19	4180	7307	73400	3.1	
0.21	3690	6447	73700	3.5	
0.25	3190	5568	73900	4.1	
0.11	8060	12921	53300	1.00	
0.12	7260	11712	54900	1.10	
0.13	6390	10573	56400	1.25	
0.16	5030	8784	58400	1.60	JRTR137R77DS63S4
0.18	4090	7479	59400	1.95	JRTRF137R77DS63S4
0.21	4060	6559	59400	1.95	
0.24	3190	5834	60200	2.5	
0.27	3170	5116	60200	2.5	
0.18	4410	7583	28800	0.95	
0.20	3690	6743	32400	1.15	
0.23	3660	5914	32500	1.15	
0.27	2830	5168	35500	1.50	JRTR107R77DS63S4
0.31	2540	4435	36100	1.70	JRTRF107R77DS63S4
0.35	2270	3896	36500	1.90	
0.45	1880	3039	36900	2.3	
0.35	2470	3918	36200	1.75	
0.41	2110	3343	36700	2.0	
0.45	1910	3034	36900	2.3	JRTR107R77DS63S4
0.52	1670	2653	37100	2.6	JRTRF107R77DS63S4
0.61	1440	2280	37300	3.0	
0.67	1300	2067	37400	3.3	
0.30	3050	4559	17700	1.00	JRTR97R57DS63S4
0.34	2570	4004	23700	1.15	JRTRF97R57DS63S4
0.40	2270	3481	25200	1.30	
0.29	3240	4678	4840	0.95	
0.32	2980	4309	20400	1.00	
0.37	2560	3702	23700	1.15	
0.46	2080	3019	26100	1.45	JRTR97R57DS63S4
0.52	1810	2668	27100	1.65	JRTRF97R57DS63S4
0.61	1480	2245	27700	2.0	
0.68	1310	2016	27900	2.3	
0.80	1200	1733	28000	2.5	
0.45	2120	3065	25900	1.40	JRTR97R57DS63S4
0.51	1880	2722	26800	1.60	JRTRF97R57DS63S4

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>0.12kW</b>					
0.60	1590	2311	27500	1.90	
0.66	1430	2078	27700	2.1	
0.76	1240	1823	28000	2.4	JRTR97R57DS63S4
0.87	1070	1583	28200	2.8	JRTRF97R57DS63S4
0.99	910	1396	28300	3.3	
1.1	775	1228	28400	3.9	
0.48	1770	2873	15200	0.90	JRTR87R57DS63S4
0.70	1300	1961	18500	1.20	JRTRF87R57DS63S4
0.50	1850	2770	10700	0.85	
0.53	1790	2595	15000	0.85	JRTR87R57DS63S4
0.65	1430	2129	17700	1.10	JRTRF87R57DS63S4
0.72	1270	1930	18600	1.20	
0.80	1120	1733	19300	1.40	
0.79	1150	1737	19200	1.35	
0.91	1010	1524	19800	1.55	
1.1	810	1303	20000	1.90	
1.2	710	1143	20000	2.2	JRTR87R57DS63S4
1.6	585	885	20000	2.7	JRTRF87R57DS63S4
1.8	515	776	20000	3.0	
2.0	450	685	20000	3.4	
2.3	360	599	20000	4.3	
0.97	950	1430	8220	0.85	
1.1	940	1303	8660	0.85	
1.2	800	1124	10100	1.05	JRTR77R37DS63S4
1.3	740	1047	10600	1.10	JRTRF77R37DS63S4
1.5	640	915	11300	1.30	
0.99	940	1394	8660	0.85	
1.1	820	1218	9910	1.00	
1.3	740	1084	10600	1.10	
1.5	665	940	11200	1.25	JRTR77R37DS63S4
1.7	525	821	12000	1.55	JRTRF77R37DS63S4
1.9	480	731	12200	1.70	
2.1	460	646	12300	1.80	
2.7	380	520	12600	2.2	
3.1	325	451	12700	2.5	JRTR77R37DS63S4
3.3	300	422	12800	2.7	JRTRF77R37DS63S4
3.8	255	365	12900	3.2	
1.4	655	956	5950	0.90	
1.6	630	891	7190	0.95	
1.9	505	730	8530	1.2	JRTR67R37DS63S4
2.1	440	644	9060	1.35	JRTRF67R37DS63S4
2.4	385	571	9430	1.55	
2.8	320	486	9790	1.85	
1.7	590	836	7670	1.00	JRTR67R37DS63S4
1.8	495	750	8630	1.2	JRTRF67R37DS63S4

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.12kW</b>					
2.1	440	646	9050	1.35	
2.4	400	574	9330	1.5	JRTR67R37DS63S4
2.8	345	495	9660	1.75	JRTRF67R37DS63S4
3.2	285	438	9940	2.1	
1.8	550	782	4650	0.8	
2.0	455	678	7070	1.00	
2.3	415	604	7260	1.1	JRTR57R37DS63S4
2.6	375	537	7400	1.2	JRTRF57R37DS63S4
2.9	330	471	7550	1.35	
3.9	245	357	7770	1.85	
4.3	215	319	7830	2.1	
3.8	260	359	7730	1.75	
4.3	235	324	7790	1.95	
4.8	205	290	7840	2.2	JRTR57R37DS63S4
5.3	185	262	7880	2.4	JRTRF57R37DS63S4
5.6	171	246	7900	2.6	
6.3	150	220	7930	3.0	
2.4	375	572	2500	0.80	
2.7	345	510	4360	0.85	JRTR47R37DS63S4
3.2	285	436	5490	1.05	JRTRF47R37DS63S4
3.4	265	408	5590	1.1	
4.0	220	344	5790	1.35	
2.8	365	502	3020	0.8	
3.2	315	429	5350	0.95	
3.7	270	372	5580	1.1	
4.0	250	348	5670	1.2	JRTR47R37DS63S4
4.6	210	301	5810	1.4	JRTRF47R37DS63S4
5.4	177	255	5930	1.7	
6.0	156	228	5980	1.95	
7.1	130	195	6040	2.3	
4.1	225	338	4570	0.90	
4.7	210	296	4790	0.95	
5.3	184	259	5130	1.1	JRTR37R17DS63S4
6.0	163	228	5360	1.25	JRTRF37R17DS63S4
6.9	140	199	5550	1.4	
8.0	123	172	5680	1.65	
4.2	240	328	3730	0.85	
4.8	205	289	4880	1.00	
5.2	192	265	5040	1.05	JRTR37R17DS63S4
6.1	156	226	5410	1.3	JRTRF37R17DS63S4
6.8	144	202	5530	1.4	
7.7	125	179	5660	1.6	
6.0	158	229	4090	0.8	JRTR27R17DS63S4
6.9	138	200	4200	0.95	JRTRF27R17DS63S4
7.8	121	177	4270	1.05	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.12kW</b>					
8.3	116	166	4290	1.1	JRTR27R17DS63S4 JRTRF27R17DS63S4
6.1	157	227	4100	0.85	
6.8	144	203	4170	0.9	JRTR27R17DS63S4
7.7	125	179	4260	1.05	JRTRF27R17DS63S4
8.8	106	156	4330	1.25	
4.6	250	195.24	12900	3.3	JRTR77DS63M6
5.4	210	166.59	13000	3.9	JRTRF77DS63M6
6.2	186	145.67	13000	4.4	
4.5	255	199.81	10100	2.4	
4.9	235	184.07	10100	2.6	
5.7	200	158.14	10300	3.0	JRTR67DS63M6
6.5	175	137.67	10300	3.4	JRTRF67DS63M6
7.0	164	128.97	10400	3.7	
7.9	145	113.94	10400	4.1	
6.9	166	199.81	10300	3.6	JRTR67DS63S4
7.5	153	184.07	10400	3.9	JRTRF67DS63S4
4.8	240	186.89	7780	1.90	
5.2	220	172.17	7820	2.1	
6.1	188	147.92	7870	2.4	JRTR57DS63M6
7.0	164	128.77	7910	2.7	JRTRF57DS63M6
7.5	154	120.63	7920	2.9	
8.4	136	106.58	7950	3.3	
9.1	126	98.99	7960	3.6	
7.4	155	186.89	7920	2.9	
8.0	143	172.17	7940	3.2	JRTR57DS63S4
9.3	123	147.92	7960	3.7	JRTRF57DS63S4
11	107	128.77	7980	4.2	
5.1	225	176.88	5760	1.35	
5.5	210	162.94	5830	1.45	JRTR47DS63M6
6.4	178	139.99	5920	1.70	JRTRF47DS63M6
7.4	155	121.87	5980	1.95	
7.8	147	176.88	6000	2.0	
8.5	135	162.94	6030	2.2	
9.9	116	139.99	6070	2.6	
11	101	121.87	6100	3.0	JRTR47DS63S4
12	95	114.17	6110	3.2	JRTRF47DS63S4
14	84	100.86	6120	3.6	
15	78	93.68	6130	3.9	
6.7	172	134.82	5270	1.15	
7.3	157	123.66	5410	1.25	
8.6	134	105.28	5600	1.50	
9.9	116	90.77	5730	1.75	JRTR37DS63M6
11	108	84.61	5770	1.85	JRTRF37DS63M6
12	94	73.96	5850	2.1	
10	112	134.82	5750	1.80	JRTR37DS63S4 JRTRF37DS63S4

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>0.12kW</b>					
11	103	123.66	5800	1.95	JRTR37DS63S4 JRTRF37DS63S4
13	87	105.28	5880	2.3	
15	75	90.77	5930	2.7	
16	70	84.61	5950	2.8	
19	61	73.96	5980	3.3	
7.3	158	123.91	4090	0.80	JRTR27DS63M6 JRTRF27DS63M6
8.5	134	105.49	4210	0.95	
9.9	116	90.96	4300	1.10	
11	108	84.78	4330	1.20	
12	94	74.11	4370	1.40	
10	112	135.09	4310	1.15	JRTR27DS63S4 JRTRF27DS63S4
11	103	123.91	4340	1.25	
13	88	105.49	4390	1.50	
15	76	90.96	4430	1.70	
16	70	84.78	4440	1.85	
19	62	74.11	4460	2.1	
20	58	69.47	4470	2.3	
23	51	61.30	4400	2.6	
25	46	55.87	4280	2.8	
29	40	48.17	4090	3.3	
31	37	44.90	4000	3.5	
11	104	81.64	1300	0.80	JRTR17DS63M6 JRTRF17DS63M6
13	90	70.39	1470	0.95	
14	84	65.61	1860	1.00	
16	73	57.35	2430	1.15	
17	68	53.76	2500	1.25	
19	60	47.44	2500	1.40	
17	68	81.64	2500	1.25	JRTR17DS63S4 JRTRF17DS63S4
20	58	70.39	2500	1.45	
21	55	65.61	2500	1.55	
24	48	57.35	2500	1.80	
26	45	53.76	2500	1.90	
29	39	47.44	2500	2.2	
31	37	44.18	2500	2.3	
36	32	38.61	2430	2.7	
38	30	36.20	2390	2.8	
43	27	31.94	2310	3.2	
49	24	28.32	2230	3.6	
57	20	24.07	2130	4.3	
55	21	25.23	2160	4.1	JRTR17DS63S4 JRTRF17DS63S4
60	19	23.15	2110	4.4	
70	16	19.71	2010	5.2	
81	14	16.99	1920	6.0	
87	13	15.84	1880	6.4	
100	12	13.84	1810	7.4	
106	11	12.98	1770	7.9	
121	9.5	11.45	1710	8.5	
136	8.4	10.15	1640	9.2	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model	
<b>0.12kW</b>						
160	7.2	8.63	1560	10	JRTR17DS63S4 JRTRF17DS63S4	
183	6.3	7.55	1490	8.9		
196	5.8	7.04	1460	9.5		
224	5.1	6.15	1400	11		
239	4.8	5.76	1370	11		
271	4.2	5.09	1320	12		
306	3.7	4.51	1270	13		
360	3.2	3.83	1200	14		
227	5.0	6.07	4270	8.6		JRTRX67DS63S4 JRTRXF67DS63S4
267	4.3	5.18	4050	17		
305	3.8	4.53	3870	22		
321	3.6	4.30	3810	22	JRTRX57DS63S4 JRTRXF57DS63S4	
251	4.6	5.50	3360	8.5		
272	4.2	5.07	3270	8.6		
317	3.6	4.35	3120	19		
364	3.1	3.79	2980	22		
389	2.9	3.55	2910	24		
440	2.6	3.14	2800	25		
474	2.4	2.91	2730	28		
523	2.2	2.64	2640	31		
582	2.0	2.37	2550	35		
676	1.7	2.04	2430	41		
719	1.6	1.92	2380	43		
835	1.4	1.65	2260	49		
<b>0.18kW</b>						
0.09	15000	14075	50900	0.85	JRTR147R77DS63M4 JRTRF147R77DS63M4	
0.11	13100	12344	62500	1.00		
0.12	11600	11143	65200	1.10		
0.14	10300	9743	67300	1.25		
0.16	8550	8443	69200	1.50	JRTR147R77DS63M4 JRTRF147R77DS63M4	
0.18	7400	7307	70900	1.75		
0.20	6530	6447	71800	2.0		
0.24	5640	5568	72500	2.3		
0.27	5150	4926	72800	2.5		
0.31	4420	4325	73300	2.9		
0.35	3920	3754	73600	3.3		
0.40	3380	3302	73800	3.9		
0.15	8900	8784	50100	0.90		JRTR137R77DS63M4 JRTRF137R77DS63M4
0.18	7390	7479	54600	1.1		
0.20	6950	6559	55500	1.15		
0.23	5770	5834	57400	1.4		
0.26	5420	5116	57900	1.50		
0.30	4520	4464	59000	1.75		
0.34	3980	3928	59500	2.0		
0.28	5060	4709	58300	1.6	JRTR137R77DS63M4 JRTRF137R77DS63M4	
0.33	4320	4018	59200	1.85		
0.38	3780	3514	59700	2.1		
0.40	3590	3338	59900	2.2		

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.18kW</b>					
0.45	3150	2929	60200	2.5	JRTR137R77DS63M4 JRTRF137R77DS63M4
0.30	4490	4435	28400	0.95	JRTR107R77DS63M4 JRTRF107R77DS63M4
0.34	3980	3896	31100	1.10	
0.43	3220	3039	34200	1.35	
0.34	4210	3918	29000	1.00	JRTR107R77DS63M4 JRTRF107R77DS63M4
0.39	3590	3343	32400	1.2	
0.44	3260	3034	34100	1.30	
0.50	2850	2653	35400	1.50	
0.58	2450	2280	36200	1.75	
0.64	2200	2067	36500	1.95	
0.66	2100	1987	36700	2.1	JRTR107R77DS63M4 JRTRF107R77DS63M4
0.72	1870	1827	36900	2.3	
0.83	1600	1599	37200	2.7	
0.94	1440	1400	37300	3.0	
1.1	1230	1226	37400	3.5	
0.49	3000	2668	20000	1.0	JRTR97R77DS63M4 JRTRF97R77DS63M4
0.59	2480	2245	24200	1.2	
0.65	2210	2016	25500	1.35	
0.76	1970	1733	26500	1.5	
0.81	1840	1623	27000	1.65	
0.92	1610	1434	27500	1.85	
1.1	1330	1207	27900	2.3	
1.2	1190	1084	28000	2.5	
1.4	1000	934	28200	3.0	
1.5	940	878	28300	3.2	
0.49	3090	2722	15900	0.95	JRTR97R77DS63M4 JRTRF97R77DS63M4
0.57	2620	2311	23400	1.15	
0.64	2360	2078	24800	1.25	
0.76	1850	1733	10800	0.85	JRTR87R57DS63M4 JRTRF87R57DS63M4
0.89	1690	1489	15900	0.9	
0.95	1580	1395	16700	1.0	
1.1	1380	1232	18000	1.1	
1.2	1280	1145	18600	1.2	
1.3	1150	1037	19200	1.35	
1.4	1020	931	19800	1.5	
1.6	860	802	20000	1.8	
0.76	1850	1737	11200	0.85	JRTR87R57DS63M4 JRTRF87R57DS63M4
0.87	1680	1524	15900	0.9	
1.0	1390	1303	17900	1.1	
1.2	1220	1143	18900	1.25	
1.5	980	885	19900	1.6	
1.7	860	776	20000	1.8	
1.5	980	858	5830	0.85	JRTR77R37DS63M4 JRTRF77R37DS63M4
1.7	850	757	9590	0.95	
2.0	750	671	10500	1.1	
2.3	630	571	11400	1.3	
1.6	890	821	9230	0.9	JRTR77R37DS63M4 JRTRF77R37DS63M4

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model	
$n_a$	$T_a$	$i$	FRA	$f_B$		
[toeren/min]	[Nm]		[N]			
<b>0.18kW</b>						
1.8	800	731	10100	1.0	JRTR77R37DS63M4 JRTRF77R37DS63M4	
2.0	745	646	10500	1.1		
2.4	645	560	11300	1.25		
2.7	550	488	11800	1.5		
3.0	490	436	12100	1.7		
3.5	420	373	12400	1.95		
4.0	370	327	12600	2.2		
4.6	330	289	12700	2.5		
2.3	640	571	7060	0.95		JRTR67R37DS63M4
2.7	535	486	8250	1.1		JRTRF67R37DS63M4
2.3	655	574	5820	0.9	JRTR67R37DS63M4 JRTRF67R37DS63M4	
2.7	565	495	7950	1.05		
3.0	480	438	8740	1.25		
3.4	425	388	9160	1.4		
3.8	395	344	9380	1.55		
4.5	320	294	9800	1.9		
5.1	290	261	9920	2.1		
2.9	500	454	6650	0.90	JRTR57R37DS63M4	
3.2	455	410	7090	1.00	JRTRF57R37DS63M4	
2.8	540	471	5250	0.85	JRTR57R37DS63M4 JRTRF57R37DS63M4	
3.7	405	357	7300	1.1		
4.1	355	319	7460	1.25		
4.8	300	273	7630	1.5		
5.5	260	241	7730	1.75		
6.1	235	215	7790	1.95		
3.7	420	359	7230	1.05		JRTR57R37DS63M4 JRTRF57R37DS63M4
4.1	380	324	7380	1.2		
4.6	335	290	7530	1.35		
5.0	305	262	7620	1.5		
5.3	280	246	7680	1.6		
6.0	250	220	7750	1.8		
7.0	210	188	7830	2.1		
8.3	177	159	7890	2.6		
4.4	350	301	4150	0.85	JRTR47R37DS63M4 JRTRF47R37DS63M4	
5.2	290	255	5460	1.05		
5.8	260	228	5630	1.15		
6.8	220	195	5790	1.4		
6.6	230	199	4510	0.85		JRTR37R17DS63M4
7.7	199	172	4960	1.0	JRTRF37R17DS63M4	
8.8	173	150	5260	1.15	JRTR37R17DS63M4 JRTRF37R17DS63M4	
5.8	250	226	2090	0.8		
6.5	235	202	4050	0.85		
7.4	205	179	4870	0.95		
8.5	176	156	5230	1.15		
9.4	157	141	4100	0.85	JRTR27R17DS63M4 JRTRF27R17DS63M4	
11	139	124	4190	0.95		
12	125	110	4260	1.05		
14	105	94	4340	1.25		

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.18kW</b>					
9.8	152	135	4120	0.85	
11	139	118	4190	0.95	JRTR27R17DS63M4
13	121	104	4270	1.1	JRTRF27R17DS63M4
15	105	90	4340	1.25	
4.5	385	195.24	12500	2.1	JRTR77DS63L6
5.2	330	166.59	12700	2.5	JRTRF77DS63L6
6.0	290	145.67	12800	2.9	
6.3	275	138.39	12900	3.0	JRTR77DS63L6
7.2	240	121.42	12900	3.4	JRTRF77DS63L6
6.8	255	195.24	12900	3.2	
7.9	215	166.59	13000	3.8	JRTR77DS63M4
9.1	190	145.67	13000	4.3	JRTRF77DS63M4
9.5	180	138.39	13000	4.6	
4.3	395	199.81	9370	1.50	
4.7	365	184.07	9560	1.65	
5.5	310	158.14	9830	1.90	
6.3	270	137.67	10000	2.2	
6.8	255	128.97	10100	2.4	JRTR67DS63L6
7.6	225	113.94	10200	2.7	JRTRF67DS63L6
8.2	210	105.83	10200	2.9	
9.1	190	95.91	10300	3.2	
10	170	86.11	10300	3.5	
12	147	74.17	10400	4.1	
12	138	69.75	10400	4.4	
6.6	260	199.81	10100	2.3	
7.2	240	184.07	10100	2.5	
8.4	205	158.14	10200	2.9	
9.6	179	137.67	10300	3.4	JRTR67DS63M4
10	168	128.97	10300	3.6	JRTRF67DS63M4
12	148	113.94	10400	4.0	
12	138	105.83	10400	4.4	
4.7	370	186.89	7420	1.20	
5.1	340	172.17	7510	1.30	
5.9	290	147.92	7650	1.55	JRTR57DS63L6
6.8	255	128.77	7740	1.75	JRTRF57DS63L6
7.2	240	120.63	7780	1.90	
7.1	245	186.89	7770	1.85	
7.7	225	172.17	7810	2.0	
8.9	193	147.92	7870	2.3	
10	168	128.77	7900	2.7	JRTR57DS63M4
11	157	120.63	7920	2.9	JRTRF57DS63M4
12	139	106.58	7940	3.2	
13	129	98.99	7950	3.5	
15	117	89.71	7970	3.9	
7.5	230	176.88	5740	1.30	
8.1	210	162.94	5810	1.40	JRTR47DS63M4
9.4	182	139.99	5910	1.65	JRTRF47DS63M4
11	159	121.87	5980	1.90	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.18kW</b>					
12	149	114.17	6000	2.0	
13	131	100.86	6040	2.3	JRTR47DS63M4
14	122	93.68	6060	2.5	JRTRF47DS63M4
16	111	84.90	6080	2.7	
17	99	76.23	6100	3.0	
7.0	245	123.66	3060	0.80	
8.3	210	105.28	4840	0.95	JRTR37DS63L6
9.6	179	90.77	5190	1.10	JRTRF37DS63L6
10	167	84.61	5310	1.20	
9.8	176	134.82	5230	1.15	
11	161	123.66	5370	1.25	
13	137	105.28	5580	1.45	
15	118	90.77	5710	1.70	
16	110	84.61	5760	1.80	JRTR37DS63M4
18	96	73.96	5840	2.1	JRTRF37DS63M4
19	90	69.33	5870	2.2	
22	80	61.18	5920	2.5	
24	73	55.76	5940	2.8	
27	63	48.08	5960	3.2	
11	161	123.91	4070	0.80	
13	137	105.49	4200	0.95	
15	118	90.96	4280	1.10	
16	110	84.78	4320	1.20	
18	97	74.11	4370	1.35	
19	91	69.47	4380	1.45	
22	80	61.30	4320	1.65	
24	73	55.87	4210	1.80	JRTR27DS63M4
27	63	48.17	4040	2.1	JRTRF27DS63M4
29	59	44.90	3960	2.2	
34	51	39.25	3810	2.5	
36	48	36.79	3740	2.7	
41	42	32.47	3610	3.1	
46	38	28.78	3480	3.5	
54	32	24.47	3310	4.1	
47	37	28.37	3470	3.5	
51	34	26.09	3380	3.8	
59	29	22.32	3220	4.5	JRTR27DS63M4
68	25	19.35	3090	5.2	JRTRF27DS63M4
73	24	18.08	3020	5.5	
84	20	15.63	2890	6.4	
99	17	13.28	2750	7.5	
16	106	81.64	1046	0.80	
19	92	70.39	1330	0.95	
20	85	65.61	1740	1.00	
23	75	57.35	2350	1.15	JRTR17DS63M4
25	70	53.76	2500	1.20	JRTRF17DS63M4
28	62	47.44	2450	1.40	
30	58	44.18	2410	1.50	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.18kW</b>					
34	50	38.61	2340	1.70	
36	47	36.20	2300	1.80	JRTR17DS63M4
41	42	31.94	2240	2.0	JRTRF17DS63M4
47	37	28.32	2170	2.3	
55	31	24.07	2080	2.7	
34	50	25.23	2330	1.70	JRTR17DS63L6
38	46	23.15	2290	1.85	JRTRF17DS63L6
44	39	19.71	2200	2.2	
52	33	25.23	2110	2.6	
57	30	23.15	2060	2.8	
67	26	19.71	1970	3.3	
78	22	16.99	1890	3.8	
83	21	15.84	1860	4.1	
95	18	13.84	1790	4.7	
102	17	12.98	1760	5.0	
115	15	11.45	1690	5.4	
130	13	10.15	1640	5.8	JRTR17DS63M4
153	11	8.63	1560	6.4	JRTRF17DS63M4
175	9.8	7.55	1480	5.7	
188	9.2	7.04	1450	6.0	
215	8.0	6.15	1390	6.8	
229	7.5	5.76	1370	7.1	
259	6.6	5.09	1320	7.7	
293	5.9	4.51	1270	8.1	
344	5.0	3.83	1210	9.0	
268	6.4	10.15	1310	12	
315	5.5	8.63	1250	13	
360	4.8	7.55	1190	12	
387	4.4	7.04	1160	13	JRTR17DS63S2
442	3.9	6.15	1120	14	JRTRF17DS63S2
472	3.6	5.76	1090	15	
535	3.2	5.09	1050	16	
603	2.8	4.51	1010	17	
710	2.4	3.83	960	19	
143	12	6.07	4940	3.6	
168	10	5.18	4690	7.3	JRTRX67DS63L6
192	8.9	4.53	4490	9.2	JRTRXF67DS63L6
202	8.5	4.30	4410	9.4	
218	7.9	6.07	4310	5.4	
255	6.7	5.18	4090	11	
292	5.9	4.53	3920	14	
307	5.6	4.30	3850	14	
350	4.9	3.77	3690	18	JRTRX67DS63M4
413	4.2	3.20	3500	24	JRTRXF67DS63M4
457	3.8	2.89	3380	28	
519	3.3	2.54	3240	36	
550	3.1	2.40	3180	40	
646	2.7	2.04	3020	50	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.18kW</b>					
158	11	5.50	3880	3.6	
172	10	5.07	3780	3.6	JRTRX57DS63L6
200	8.6	4.35	3600	7.9	JRTRXF57DS63L6
230	7.5	3.79	3440	9.2	
240	7.2	5.50	3400	5.4	
261	6.6	5.07	3310	5.5	
303	5.7	4.35	3150	12	
348	4.9	3.79	3010	14	
372	4.6	3.55	2950	15	
421	4.1	3.14	2830	16	JRTRX57DS63M4
453	3.8	2.91	2760	18	JRTRXF57DS63M4
500	3.4	2.64	2670	20	
557	3.1	2.37	2580	22	
647	2.7	2.04	2460	26	
688	2.5	1.92	2410	28	
799	2.2	1.65	2290	31	
<b>0.25kW</b>					
0.13	15200	9743	48200	0.85	
0.15	12800	8443	63100	1.00	
0.18	11000	7307	66200	1.20	
0.20	9740	6447	68100	1.35	
0.23	8410	5568	69800	1.55	JRTR147R77DS63L4
0.26	7600	4926	70700	1.7	JRTRF147R77DS63L4
0.30	6570	4325	71700	2.0	
0.35	5790	3754	72400	2.3	
0.39	5020	3302	72900	2.6	
0.45	4380	2898	73300	3.0	
0.22	8670	5834	51100	0.90	
0.25	7970	5116	53500	1.00	JRTR137R77DS63L4
0.29	6740	4464	55800	1.20	JRTRF137R77DS63L4
0.33	5930	3928	57100	1.35	
0.28	7430	4709	54600	1.1	
0.32	6340	4018	56500	1.25	JRTR137R77DS63L4
0.37	5550	3514	57700	1.45	JRTRF137R77DS63L4
0.39	5270	3338	58100	1.5	
0.44	4620	2929	58900	1.75	
0.49	4190	2658	59300	1.9	
0.54	3800	2412	59700	2.1	
0.63	3270	2073	60100	2.5	JRTR137R77DS63L4
0.71	2810	1839	60500	2.8	JRTRF137R77DS63L4
0.93	2180	1397	60800	3.7	
1.1	1890	1226	61000	4.2	
0.43	4730	3039	25600	0.90	JRTR107R77DS63L4
					JRTRF107R77DS63L4

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>0.25kW</b>					
0.43	4790	3034	23600	0.90	JRTR107R77DS63L4 JRTRF107R77DS63L4
0.65	3100	1987	34600	1.40	JRTR107R77DS63L4 JRTRF107R77DS63L4
0.71	2790	1827	35600	1.55	
0.81	2410	1599	36300	1.80	
0.93	2140	1400	36600	2.0	
1.1	1840	1226	36900	2.3	
1.4	1440	939	37300	3.0	
1.6	1240	822	37400	3.5	
0.64	3160	2016	12400	0.95	JRTR97R57DS63L4 JRTRF97R57DS63L4
0.75	2840	1733	22000	1.05	
0.80	2660	1623	23200	1.15	
0.71	2960	1823	21100	1.0	JRTR97R57DS63L4 JRTRF97R57DS63L4
0.82	2570	1583	23700	1.15	
0.93	2230	1396	25400	1.35	
1.1	1940	1228	26600	1.55	
1.2	1750	1069	27300	1.7	
1.4	1530	938	27600	1.96	
1.6	1300	824	27900	2.3	
1.8	1160	737	28100	2.6	
2.1	1000	632	28200	3.0	
1.1	1850	1145	10700	0.85	
1.2	1670	1037	16000	0.95	
1.4	1490	931	17400	1.05	
1.6	1270	802	18600	1.2	
1.1	1800	1143	14700	0.85	JRTR87R57DS63L4 JRTRF87R57DS63L4
1.5	1420	885	17800	1.1	
1.7	1250	776	18700	1.25	
1.9	1100	685	19400	1.4	
2.2	930	599	20000	1.65	
2.5	820	525	20000	1.9	
2.8	715	456	20000	2.2	
4.9	415	268	20000	3.7	
2.3	920	571	8910	0.90	JRTR77R37DS63L4 JRTRF77R37DS63L4
2.3	930	560	8780	0.90	JRTR77R37DS63L4 JRTRF77R37DS63L4
2.7	795	488	10100	1.05	
3.0	705	436	10900	1.15	
3.5	610	373	11500	1.35	
4.0	535	327	11900	1.55	
4.5	475	289	12200	1.75	
5.0	425	260	12400	1.95	
5.8	355	224	12600	2.3	
3.3	620	388	7290	0.95	JRTR67R37DS63L4 JRTRF67R37DS63L4
3.8	565	344	7950	1.05	
4.4	465	294	8870	1.3	
5.0	425	261	9180	1.4	
5.5	380	234	9460	1.6	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model	
<b>0.25kW</b>						
6.5	320	200	9780	1.85	JRTR67R37DS63L4 JRTRF67R37DS63L4	
7.4	280	176	9980	2.2		
8.2	250	158	10100	2.4		
3.4	645	384	6960	0.95	JRTR67R37DS63L4 JRTRF67R37DS63L4	
3.6	600	359	7550	1.00		
4.2	515	310	8430	1.15		
4.9	435	264	9100	1.4		
5.5	385	235	9420	1.55		
6.5	325	201	9750	1.85		
7.2	295	181	9910	2.0		
4.1	520	319	6050	0.85		JRTR57R37DS63L4 JRTRF57R37DS63L4
4.8	440	273	7160	1.05		
5.4	380	241	7380	1.2		
6.1	340	215	7510	1.3		
6.9	300	187	7630	1.5		
7.9	260	164	7730	1.75		
9.2	225	142	7800	2.0		
4.0	545	324	4980	0.85	JRTR57R37DS63L4 JRTRF57R37DS63L4	
4.5	485	290	6950	0.95		
5.0	435	262	7160	1.05		
5.3	405	246	7280	1.1		
5.9	360	220	7450	1.25		
5.7	375	228	2440	0.8		JRTR47R37DS63L4 JRTRF47R37DS63L4
6.7	315	195	5320	0.95		
7.1	295	182	5440	1.0		
8.5	245	154	5680	1.2		
8.7	250	150	2540	0.8		
10	210	130	4790	0.95	JRTR37R17DS63L4 JRTRF37R17DS63L4	
10	200	124	4930	1.0		
12	178	110	5200	1.1		
14	152	94	5460	1.3		
8.4	250	156	2350	0.8	JRTR37R17DS63L4 JRTRF37R17DS63L4	
9.7	220	135	4660	0.9		
10	215	127	4770	0.95		
13	174	104	5250	1.15		
14	150	90	5470	1.35		
2.3	1020	289.74	28200	3.0		JRTR97D80N8 * JRTRF97D80N8 *
2.7	900	255.71	28300	3.3		
2.8	850	241.25	28400	3.5		
3.1	760	216.28	28400	4.0		
2.8	870	246.54	20000	1.80	JRTR87D80N8 * JRTRF87D80N8 *	
3.1	760	216.54	20000	2.0		
3.3	720	205.71	20000	2.2		
3.7	640	181.77	20000	2.4		
4.1	585	166.59	11600	1.40		
4.1	585	166.59	11600	1.40	JRTR77D80N8 * JRTRF77D80N8 *	
4.7	510	145.67	12000	1.60		
4.9	485	138.39	12100	1.70		
5.6	425	121.42	12400	1.90		

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.25kW</b>					
4.5	530	195.24	11900	1.55	JRTR77DS71S6
5.3	450	166.59	12300	1.80	JRTRF77DS71S6
6.0	395	145.67	12500	2.1	
6.7	360	195.24	12600	2.3	
7.8	305	166.59	12800	2.7	JRTR77DS63L4
8.9	270	145.67	12900	3.1	JRTRF77DS63L4
9.4	255	138.39	12900	3.2	
11	225	121.42	13000	3.7	
4.3	555	158.14	8060	1.10	
4.9	485	137.67	8730	1.25	JRTR67D80N8
5.3	455	128.97	8970	1.35	JRTRF67D80N8
6.0	400	113.94	9340	1.50	
4.4	540	199.81	8190	1.10	
4.8	500	184.07	8590	1.20	
5.6	430	158.14	9140	1.40	JRTR67DS71S6
6.4	375	137.67	9500	1.60	JRTRF67DS71S6
6.8	350	128.97	9630	1.70	
7.7	310	113.94	9840	1.95	
8.3	285	105.83	9940	2.1	
6.5	365	199.81	9540	1.65	
7.1	340	184.07	9700	1.80	
8.2	290	158.14	9930	2.1	
9.4	255	137.67	10100	2.4	JRTR67DS63L4
10	235	128.97	10100	2.5	JRTRF67DS63L4
11	210	113.94	10200	2.9	
12	194	105.83	10300	3.1	
14	176	95.91	10300	3.4	
15	158	86.11	10400	3.8	
4.7	505	186.89	6450	0.90	
5.1	465	172.17	7030	0.95	
5.9	400	147.92	7300	1.10	JRTR57DS71S6
6.8	350	128.77	7480	1.30	JRTRF57DS71S6
7.3	325	120.63	7550	1.35	
8.3	290	106.58	7660	1.55	
8.9	270	98.99	7710	1.70	
7.0	345	186.89	7500	1.30	
7.6	315	172.17	7590	1.40	
8.8	270	147.92	7700	1.65	
10	235	128.77	7780	1.90	
11	220	120.63	7810	2.0	JRTR57DS63L4
12	196	106.58	7860	2.3	JRTRF57DS63L4
13	182	98.99	7880	2.5	
14	165	89.71	7910	2.7	
16	148	80.55	7930	3.0	
19	127	69.23	7960	3.5	
7.4	325	176.88	5280	0.90	
8.0	300	162.94	5420	1.00	JRTR47DS63L4
9.3	255	139.99	5630	1.15	JRTRF47DS63L4
11	225	121.87	5770	1.35	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.25kW</b>					
11	210	114.17	5820	1.45	
13	185	100.86	5900	1.60	
14	172	93.68	5940	1.75	
15	156	84.90	5980	1.90	
17	140	76.23	6020	2.1	JRTR47DS63L4
19	126	68.54	6050	2.4	JRTRF47DS63L4
20	118	64.21	6070	2.5	
23	104	56.73	6090	2.9	
25	97	52.69	6100	3.1	
27	88	47.75	6080	3.4	
9.6	250	134.82	2630	0.80	
11	225	123.66	4560	0.90	
12	193	105.28	5030	1.05	
14	167	90.77	5320	1.20	
15	155	84.61	5420	1.30	
18	136	73.96	5590	1.45	
19	127	69.33	5650	1.55	JRTR37DS63L4
21	112	61.18	5750	1.80	JRTRF37DS63L4
23	102	55.76	5800	1.95	
27	88	48.08	5870	2.3	
29	82	44.81	5760	2.4	
33	72	39.17	5540	2.8	
35	67	36.72	5430	3.0	
40	60	32.40	5230	3.4	
15	156	84.78	4100	0.85	
18	136	74.11	4210	0.95	
19	128	69.47	4250	1.00	
21	113	61.30	4190	1.15	
23	103	55.87	4090	1.25	
27	89	48.17	3940	1.45	JRTR27DS63L4
29	83	44.90	3870	1.60	JRTRF27DS63L4
33	72	39.25	3730	1.80	
35	68	36.79	3670	1.90	
40	60	32.47	3540	2.2	
45	53	28.78	3420	2.5	
53	45	24.47	3270	2.9	
46	52	28.37	3410	2.5	
50	48	26.09	3330	2.7	
58	41	22.32	3180	3.2	
67	36	19.35	3050	3.7	
72	33	18.08	2990	3.9	
83	29	15.63	2860	4.5	
98	24	13.28	2730	5.3	JRTR27DS63L4
110	22	11.86	2630	5.9	JRTRF27DS63L4
128	19	10.13	2510	6.6	
138	17	9.41	2440	7.1	
159	15	8.16	2330	7.7	
170	14	7.63	2290	8.0	



uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>0.25kW</b>					
197	12	6.59	2180	8.8	
232	10	5.60	2080	9.6	
260	9.2	5.00	2000	10	JRTR27DS63L4
304	7.8	4.27	1910	11	JRTRF27DS63L4
325	7.3	4.00	1870	12	
386	6.2	3.37	1770	13	
23	105	57.35	756	0.80	
24	99	53.76	785	0.85	
27	87	47.44	1630	1.00	
29	81	44.18	2000	1.05	JRTR17DS63L4
34	71	38.61	2200	1.20	JRTRF17DS63L4
36	67	36.20	2180	1.30	
41	59	31.94	2130	1.45	
46	52	28.32	2070	1.65	
54	44	24.07	2000	1.90	
52	46	25.23	2020	1.85	
56	43	23.15	1980	2.0	
66	36	19.71	1910	2.3	
77	31	16.99	1840	2.7	
82	29	15.84	1810	2.9	
94	25	13.84	1750	3.3	
100	24	12.98	1720	3.6	
114	21	11.45	1660	3.9	JRTR17DS63L4
128	19	10.15	1600	4.1	JRTRF17DS63L4
151	16	8.63	1530	4.6	
172	14	7.55	1450	4.0	
185	13	7.04	1420	4.3	
211	11	6.15	1370	4.8	
226	11	5.76	1350	5.0	
256	9.3	5.09	1300	5.5	
288	8.3	4.51	1250	5.8	
339	7.0	3.83	1190	6.4	
433	5.5	6.15	1110	9.8	
461	5.2	5.76	1090	10	JRTR17DS63M2
523	4.6	5.09	1050	11	JRTRF17DS63M2
590	4.0	4.51	1010	12	
694	3.4	3.83	960	13	
145	17	6.07	4890	2.6	
170	14	5.18	4650	5.4	JRTRX67DS71S6
194	12	4.53	4450	6.7	JRTRXF67DS71S6
205	12	4.30	4380	6.8	
214	11	6.07	4310	3.9	
251	9.5	5.18	4100	7.9	
287	8.3	4.53	3920	9.9	
302	7.9	4.30	3860	10	JRTRX67DS63L4
345	6.9	3.77	3700	13	JRTRXF67DS63L4
406	5.9	3.20	3500	17	
450	5.3	2.89	3390	20	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>0.25kW</b>					
511	4.7	2.54	3250	25	JRTRX67DS63L4
542	4.4	2.40	3190	28	JRTRXF67DS63L4
636	3.8	2.04	3020	35	
160	15	5.50	3840	2.6	
174	14	5.07	3740	2.6	
202	12	4.35	3560	5.8	
232	10	3.79	3410	6.7	
236	10	5.50	3390	3.9	
257	9.3	5.07	3300	3.9	
299	8.0	4.35	3150	8.5	JRTRX57DS63L4
343	7.0	3.79	3010	9.9	JRTRXF57DS63L4
366	6.5	3.55	2950	11	
414	5.8	3.14	2830	11	
446	5.3	2.91	2760	13	
492	4.8	2.64	2680	14	
548	4.4	2.37	2580	16	
637	3.7	2.04	2460	19	
677	3.5	1.92	2410	20	
787	3.0	1.65	2300	23	
<b>0.37kW</b>					
0.19	15900	7307	37500	0.80	
0.21	14100	6447	60400	0.90	
0.25	12100	5568	64300	1.05	JRTR147R77DS71S4*
0.28	10900	4926	66400	1.20	JRTRF147R77DS71S4*
0.32	9480	4325	68500	1.35	
0.37	8310	3754	70000	1.55	
0.42	7240	3302	71100	1.80	
0.48	6320	2898	71900	2.1	
0.31	9740	4464	39400	0.80	JRTR137R77DS71S4*
0.35	8570	3928	51500	0.95	JRTRF137R77DS71S4*
0.34	9080	4018	49200	0.90	
0.39	7940	3514	53500	1.00	
0.41	7540	3338	54300	1.05	JRTR137R77DS71S4*
0.47	6620	2929	56000	1.20	JRTRF137R77DS71S4*
0.56	5600	2484	57600	1.45	
0.62	5030	2242	58400	1.60	
0.52	6000	2658	57000	1.35	
0.57	5440	2412	57800	1.45	
0.67	4680	2073	58800	1.70	
0.75	4060	1839	59400	1.95	
0.99	3130	1397	60200	2.6	JRTR137R77DS71S4*
1.1	2720	1226	60500	2.9	JRTRF137R77DS71S4*
1.3	2440	1090	60700	3.3	
1.5	2130	951	60900	3.8	
0.67	4660	2067	27300	0.90	
0.82	3790	1693	31900	1.15	
0.89	3420	1550	33500	1.25	JRTR107R77DS71S4*
0.98	3110	1407	34600	1.40	JRTRF107R77DS71S4*
1.1	2670	1209	35900	1.60	
1.3	2330	1055	36400	1.85	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.37kW</b>					
0.69	4450	1987	28600	0.95	
0.76	4030	1827	30800	1.05	
0.86	3490	1599	33200	1.25	JRTR107R77DS71S4*
0.99	3090	1400	34600	1.40	JRTRF107R77DS71S4*
1.1	2670	1226	35900	1.60	
1.5	2070	939	36700	2.1	
1.7	1790	822	37000	2.4	
0.96	3240	1434	10800	0.95	JRTR97R57DS71S4*
1.1	2760	1207	22500	1.10	JRTRF97R57DS71S4*
1.3	2470	1084	24300	1.20	
0.99	3180	1396	10800	0.95	
1.1	2780	1228	22500	1.10	
1.3	2480	1069	24200	1.20	
1.5	2160	938	25700	1.40	
1.7	1860	824	26900	1.60	JRTR97R57DS71S4*
1.9	1670	737	27400	1.80	JRTRF97R57DS71S4*
2.2	1430	632	27700	2.1	
3.2	980	431	28200	3.1	
3.6	860	379	28300	3.5	
4.1	765	336	28400	3.9	
1.7	1810	802	13800	0.85	JRTR87R57DS71S4*
1.8	1700	754	15800	0.90	JRTRF87R57DS71S4*
2.1	1450	649	17600	1.05	
1.8	1780	776	15100	0.85	
2.0	1570	685	16800	1.00	
2.3	1340	599	18300	1.15	JRTR87R57DS71S4*
2.6	1170	525	19100	1.30	JRTRF87R57DS71S4*
3.0	1030	456	19700	1.50	
5.2	595	268	20000	2.6	
5.8	525	236	20000	2.9	
2.6	1260	538	18700	1.25	
2.9	1100	472	19400	1.40	JRTR87R57DS71S4*
3.5	930	400	20000	1.65	JRTRF87R57DS71S4*
3.8	830	361	20000	1.85	
3.2	980	436	5390	0.85	
3.7	860	373	9520	0.95	
4.2	755	327	10500	1.10	
4.8	670	289	11100	1.2	JRTR77R37DS71S4*
5.3	600	260	11600	1.35	JRTRF77R37DS71S4*
6.2	510	224	12000	1.60	
7.0	445	197	12300	1.85	
8.1	390	169	12500	2.1	
9.3	340	149	12700	2.4	
4.7	665	294	4670	0.90	
5.3	600	261	7550	1.00	JRTR67R37DS71S4*
5.9	540	234	8220	1.1	JRTRF67R37DS71S4*
6.9	460	200	8930	1.3	
2.7	1330	255.71	27900	2.3	JRTR97D90S8 *
2.8	1250	241.25	28000	2.4	JRTRF97D90S8 *
3.1	1120	216.28	28100	2.7	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.37kW</b>					
3.7	970	186.30	28300	3.1	JRTR97D90S8 * JRTRF97D90S8 *
3.1	1140	289.74	28100	2.6	
3.5	1000	255.71	28200	3.0	JRTR97DS71M6 *
3.7	950	241.25	28300	3.2	JRTRF97DS71M6 *
4.2	850	216.28	28400	3.5	
3.1	1130	216.54	19300	1.40	JRTR87D90S8 *
3.3	1070	205.71	19600	1.45	JRTRF87D90S8 *
3.7	940	181.77	20000	1.65	
3.7	970	246.54	20000	1.60	
4.2	850	216.54	20000	1.80	
4.4	810	205.71	20000	1.90	JRTR87DS71M6 *
4.9	715	181.77	20000	2.2	JRTRF87DS71M6 *
5.8	610	155.34	20000	2.5	
6.3	560	142.41	20000	2.8	
4.7	755	145.67	10500	1.10	JRTR77D90S8 *
4.9	720	138.39	10800	1.15	JRTRF77D90S8 *
5.6	630	121.42	11400	1.30	
5.4	655	166.59	11200	1.25	
6.2	570	145.67	11700	1.45	JRTR77DS71M6 *
6.5	545	138.39	11900	1.50	JRTRF77DS71M6 *
7.1	500	195.24	12100	1.65	
8.3	425	166.59	12400	1.90	
9.5	375	145.67	12600	2.2	JRTR77DS71S4*
10	355	138.39	12600	2.3	JRTRF77DS71S4*
11	310	121.42	12800	2.6	
13	265	102.99	12900	3.1	
15	240	92.97	12900	3.5	
5.7	620	158.14	7300	0.95	
6.5	540	137.67	8210	1.10	JRTR67DS71M6 *
7.0	505	128.97	8530	1.20	JRTRF67DS71M6 *
7.9	445	113.94	9010	1.35	
6.9	510	199.81	8480	1.15	
7.5	470	184.07	8820	1.25	
8.7	405	158.14	9310	1.50	
10	355	137.67	9620	1.70	
11	330	128.97	9740	1.80	
12	290	113.94	9920	2.1	JRTR67DS71S4*
13	270	105.83	10000	2.2	JRTRF67DS71S4*
14	245	95.91	10100	2.4	
16	220	86.11	10200	2.7	
19	190	74.17	10300	3.2	
20	179	69.75	10300	3.4	
23	157	61.26	10400	3.8	
24	146	56.89	10400	4.1	
7.0	505	128.77	6510	0.90	
7.5	475	120.63	7000	0.95	JRTR57DS71M6 *
8.4	420	106.58	7240	1.10	JRTRF57DS71M6 *
9.1	390	98.99	7350	1.15	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.37kW</b>					
7.4	480	186.89	6980	0.95	
8.0	440	172.17	7140	1.00	
9.3	380	147.92	7390	1.20	
11	330	128.77	7550	1.35	
11	310	120.63	7610	1.45	
13	275	106.58	7700	1.65	
14	255	98.99	7750	1.80	JRTR57DS71S4*
15	230	89.71	7800	1.95	JRTRF57DS71S4*
17	205	80.55	7840	2.2	
20	177	69.23	7890	2.5	
21	166	64.85	7910	2.7	
24	147	57.29	7760	3.1	
26	136	53.22	7600	3.3	
29	124	48.23	7380	3.6	
9.9	360	139.99	3490	0.85	
11	310	121.87	5350	0.95	
12	290	114.17	5460	1.05	
14	260	100.86	5630	1.15	
15	240	93.68	5700	1.25	
16	215	84.90	5790	1.40	
18	195	76.23	5870	1.55	
20	176	68.54	5930	1.70	JRTR47DS71S4*
21	164	64.21	5960	1.80	JRTRF47DS71S4*
24	145	56.73	6010	2.1	
26	135	52.69	5990	2.2	
29	122	47.75	5820	2.5	
32	110	42.87	5650	2.7	
37	95	36.93	5410	3.2	
40	89	34.73	5310	3.4	
41	87	33.79	5270	2.8	
44	80	31.12	5150	2.8	JRTR47DS71S4*
52	69	26.74	4920	4.4	JRTRF47DS71S4*
59	60	23.28	4720	5.0	
63	56	21.81	4620	5.4	
15	230	90.77	4250	0.85	JRTR37DS71S4*
16	215	84.61	4720	0.90	JRTRF37DS71S4*
19	189	73.96	5070	1.05	
20	178	69.33	5210	1.15	
23	157	61.18	5410	1.30	
25	143	55.76	5530	1.40	
29	123	48.08	5590	1.60	
31	115	44.81	5480	1.75	JRTR37DS71S4*
35	100	39.17	5290	2.0	JRTRF37DS71S4*
38	94	36.72	5190	2.1	
43	83	32.40	5010	2.4	
48	74	28.73	4850	2.7	
57	63	24.42	4620	3.2	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.37kW</b>					
49	73	28.32	4830	2.8	
53	67	26.03	4710	2.8	JRTR37DS71S4*
62	57	22.27	4500	3.5	JRTRF37DS71S4*
71	49	19.31	4320	4.1	
76	46	18.05	4230	4.3	
88	40	15.60	4050	5.0	JRTR37DS71S4*
104	34	13.25	3850	5.6	JRTRF37DS71S4*
117	30	11.83	3720	6.0	
23	157	61.30	3870	0.85	
25	143	55.87	3800	0.90	
29	123	48.17	3680	1.05	
31	115	44.90	3620	1.15	JRTR27DS71S4*
35	101	39.25	3510	1.30	JRTRF27DS71S4*
38	94	36.79	3460	1.40	
43	83	32.47	3350	1.55	
48	74	28.78	3250	1.75	
56	63	24.47	3110	2.1	
49	73	28.37	3240	1.80	
53	67	26.09	3170	1.95	
62	57	22.32	3040	2.3	JRTR27DS71S4*
71	50	19.35	2920	2.6	JRTRF27DS71S4*
76	46	18.08	2860	2.8	
88	40	15.63	2750	3.2	
104	34	13.28	2620	3.8	
36	99	38.61	770	0.85	
38	93	36.20	1260	0.90	JRTR17DS71S4*
43	82	31.94	1910	1.05	JRTRF17DS71S4*
49	73	28.32	1880	1.15	
57	62	24.07	1830	1.40	
55	65	25.23	1840	1.30	
60	59	23.15	1820	1.45	
70	51	19.71	1760	1.70	
81	44	16.99	1710	1.95	
87	41	15.84	1680	2.1	
100	35	13.84	1630	2.4	
106	33	12.98	1610	2.6	
121	29	11.45	1560	2.8	JRTR17DS71S4*
136	26	10.15	1520	3.0	JRTRF17DS71S4*
160	22	8.63	1460	3.3	
183	19	7.55	1370	2.9	
196	18	7.04	1350	3.1	
224	16	6.15	1300	3.4	
239	15	5.76	1280	3.6	
271	13	5.09	1240	3.9	
306	12	4.51	1200	4.2	
360	9.8	3.83	1150	4.6	
191	19	13.84	1390	4.6	JRTR17DS63L2
204	17	12.98	1360	4.9	JRTRF17DS63L2

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.37kW</b>					
231	15	11.45	1320	5.3	
261	14	10.15	1270	5.7	
307	12	8.63	1220	6.3	
351	10	7.55	1150	5.5	JRTR17DS63L2
377	9.4	7.04	1130	5.8	JRTRF17DS63L2
431	8.2	6.15	1090	6.6	
460	7.7	5.76	1070	6.9	
521	6.8	5.09	1030	7.5	
588	6.0	4.51	990	8.0	
691	5.1	3.83	950	8.8	
174	20	5.18	4570	3.7	
199	18	4.53	4380	4.6	JRTRX67DS71M6 *
209	17	4.30	4310	4.7	JRTRXF67DS71M6 *
239	15	3.77	4130	5.9	
227	16	6.07	4200	2.8	
267	13	5.18	3990	5.6	
305	12	4.53	3820	7.1	
321	11	4.30	3760	7.3	
366	9.7	3.77	3610	9.0	JRTRX67DS71S4*
431	8.2	3.20	3420	12	JRTRXF67DS71S4*
478	7.4	2.89	3310	14	
543	6.5	2.54	3170	18	
575	6.1	2.40	3110	20	
675	5.2	2.04	2950	26	
207	17	4.35	3500	4.0	JRTRX57DS71M6 *
238	15	3.79	3350	4.6	JRTRXF57DS71M6 *
254	14	3.55	3280	5.0	
251	14	5.50	3300	2.8	
272	13	5.07	3210	2.8	
317	11	4.35	3060	6.1	
364	9.7	3.79	2930	7.1	
389	9.1	3.55	2870	7.6	
440	8.0	3.14	2760	8.1	JRTRX57DS71S4*
474	7.5	2.91	2690	8.9	JRTRXF57DS71S4*
523	6.8	2.64	2610	10	
582	6.1	2.37	2520	11	
676	5.2	2.04	2400	13	
719	4.9	1.92	2350	14	
835	4.2	1.65	2240	16	
<b>0.55kW</b>					
0.09	50495	15185	190000	0.99	
0.11	42448	12765	190000	1.18	
0.12	39009	11731	190000	1.28	JRTR187R97DS71M4*
0.13	34640	10417	190000	1.44	
0.21	21837	6567	190000	2.29	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.55kW</b>					
0.15	31873	9585	150000	1.00	
0.19	24238	7289	150000	1.32	JRTR177R97DS71M4*
0.23	19782	5949	150000	1.62	
0.31	15067	4531	150000	2.12	
0.22	19800	6077	120000	0.90	
0.25	17600	5407	120000	1.00	JRTR167R97DS71M4*
0.29	15100	4650	120000	1.20	JRTRF167R97DS71M4*
0.33	13300	4129	120000	1.35	
0.28	16900	4926	22000	0.75	
0.31	14700	4325	53900	0.90	JRTR147R77DS71M4*
0.36	12900	3754	62900	1.00	JRTRF147R77DS71M4*
0.41	11200	3302	65900	1.15	
0.47	9830	2898	98000	1.30	
0.53	8890	2555	69300	1.45	
0.62	7700	2211	70600	1.70	
0.70	6790	1951	71500	1.90	JRTR147R77DS71M4*
0.80	5810	1705	72400	2.3	JRTRF147R77DS71M4*
0.89	5210	1536	72800	2.5	
1.0	4510	1329	73300	2.9	
1.2	3920	1166	73600	3.3	
0.55	8650	2484	51200	0.90	JRTR137R77DS71M4*
					JRTRF137R77DS71M4*
0.51	9250	2658	49200	0.90	
0.56	8400	2412	52900	0.95	
0.66	7220	2073	55200	1.15	
0.74	6320	1839	56700	1.30	
0.85	5420	1598	58000	1.50	JRTR137R77DS71M4*
0.97	4840	1397	58700	1.70	JRTRF137R77DS71M4*
1.1	4220	1226	59400	1.95	
1.2	3780	1090	59800	2.2	
1.4	3300	951	60200	2.5	
1.6	2820	831	60500	2.9	
0.97	4830	1407	23400	0.90	
1.1	4150	1209	30400	1.05	
1.3	3620	1055	32800	1.20	JRTR107R77DS71M4*
1.5	3170	919	34500	1.35	JRTRF107R77DS71M4*
1.7	2830	815	35600	1.55	
1.9	2470	717	36200	1.75	
2.2	2160	626	36600	2.0	
0.97	4810	1400	25600	0.90	
1.1	4180	1226	30400	1.05	JRTR107R77DS71M4*
1.2	3740	1104	32400	1.15	JRTRF107R77DS71M4*
1.5	3220	939	34400	1.35	
1.7	2800	822	35700	1.55	
1.5	3240	938	4620	0.95	
1.7	2810	824	22200	1.05	JRTR97R57DS71M4*
1.8	2510	737	24000	1.15	JRTRF97R57DS71M4*
2.1	2200	632	25700	1.35	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.55kW</b>					
2.4	1920	560	26700	1.55	
2.8	1670	484	27400	1.80	
3.2	1510	431	27600	2.0	JRTR97R57DS71M4*
3.6	1320	379	27900	2.3	JRTRF97R57DS71M4*
4.0	1180	336	28000	2.6	
4.6	1030	296	28200	2.9	
5.5	860	249	28300	3.5	
2.6	1820	525	13600	0.85	
3.0	1580	456	16700	1.00	JRTR87R57DS71M4*
3.4	1370	398	18100	1.15	JRTRF87R57DS71M4*
3.9	1210	352	18900	1.30	
4.4	1040	305	19700	1.50	
2.9	1690	472	15900	0.90	JRTR87R57DS71M4*
3.4	1420	400	17800	1.10	JRTRF87R57DS71M4*
3.8	1280	361	18600	1.20	
4.9	990	276	4510	0.85	
5.8	840	236	9730	1.00	JRTR77R37DS71M4*
6.2	785	221	10200	1.05	JRTRF77R37DS71M4*
7.3	660	186	11200	1.25	
2.7	1980	255.71	26500	1.50	JRTR97D90L8 *
2.8	1860	241.25	26900	1.60	JRTRF97D90L8 *
3.1	1670	216.28	27400	1.80	
3.1	1690	289.74	27400	1.75	
3.5	1490	255.71	27700	2.0	JRTR97DS80S6*
3.7	1410	241.25	27800	2.1	JRTRF97DS80S6*
4.2	1260	216.28	28000	2.4	
4.7	1120	289.74	28100	2.7	
5.3	990	255.71	28200	3.0	JRTR97DS71M4*
5.6	930	241.25	28300	3.2	JRTRF97DS71M4*
6.3	840	216.28	28400	3.6	
3.7	1440	246.54	17700	1.10	
4.2	1260	216.54	18700	1.25	JRTR87DS80S6*
4.4	1200	205.71	19000	1.30	JRTRF87DS80S6*
4.9	1060	181.77	19600	1.45	
5.8	910	155.34	20000	1.70	
5.5	950	246.54	20000	1.65	
6.3	840	216.54	20000	1.85	
6.6	795	205.71	20000	1.95	
7.5	700	181.77	20000	2.2	JRTR87DS71M4*
8.8	600	155.34	20000	2.6	JRTRF87DS71M4*
9.6	550	142.41	20000	2.8	
11	485	124.97	20000	3.2	
11	455	118.43	20000	3.4	
13	400	103.65	20000	3.9	
8.2	645	166.59	11300	1.25	
9.3	565	145.67	11800	1.45	JRTR77DS71M4*
9.8	535	138.39	11900	1.55	JRTRF77DS71M4*
11	470	121.42	12200	1.75	
13	400	102.99	12500	2.1	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.55kW</b>					
15	360	92.97	12600	2.3	
17	315	81.80	12800	2.6	JRTR77DS71M4*
18	300	77.24	12800	2.8	JRTRF77DS71M4*
21	255	65.77	12900	3.2	
8.6	610	158.14	7430	1.00	
9.9	530	137.67	8290	1.15	
11	500	128.97	8600	1.20	JRTR67DS71M4*
12	440	113.94	9060	1.35	JRTRF67DS71M4*
13	410	105.83	9280	1.45	
14	370	95.91	9520	1.60	
16	335	86.11	9730	1.80	
18	285	74.17	9940	2.1	
20	270	69.75	10000	2.2	
22	235	61.26	10100	2.5	
24	220	56.89	10200	2.7	
11	465	120.63	7030	0.95	
13	410	106.58	7260	1.10	
14	380	98.99	7370	1.20	
15	345	89.71	7490	1.30	
17	310	80.55	7600	1.45	
20	265	69.23	7710	1.70	JRTR57DS71M4*
21	250	64.85	7750	1.80	JRTRF57DS71M4*
24	220	57.29	7530	2.0	
26	205	53.22	7390	2.2	
28	186	48.23	7190	2.4	
31	167	43.30	6980	2.7	
36	144	37.30	6700	3.1	
39	136	35.07	6580	3.3	
52	102	26.31	6060	4.4	
54	97	24.99	5970	4.7	JRTR57DS71M4*
62	85	21.93	5740	5.3	JRTRF57DS71M4*
73	72	18.60	5460	6.3	
15	360	93.68	3280	0.85	
16	330	84.90	5230	0.90	
18	295	76.23	5450	1.00	
20	265	68.54	5600	1.15	
21	250	64.21	5670	1.20	
24	220	56.73	5790	1.35	JRTR47DS71M4*
26	205	52.69	5770	1.45	JRTRF47DS71M4*
28	184	47.75	5630	1.65	
32	166	42.87	5470	1.80	
37	143	36.93	5260	2.1	
39	134	34.73	5180	2.2	
46	115	29.88	4970	2.6	
51	103	26.74	4820	2.9	JRTR47DS71M4*
58	90	23.28	4630	3.3	JRTRF47DS71M4*
62	84	21.81	4550	3.6	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.55kW</b>					
22	235	61.18	3910	0.85	
24	215	55.76	4740	0.95	
28	186	48.08	5120	1.10	
30	173	44.81	5230	1.15	JRTR37DS71M4*
35	151	39.17	5070	1.30	JRTRF37DS71M4*
37	142	36.72	4990	1.40	
42	125	32.40	4840	1.60	
47	111	28.73	4700	1.80	
56	94	24.42	4500	2.1	
61	86	22.27	4390	2.3	
70	75	19.31	4220	2.7	
75	70	18.05	4140	2.9	JRTR37DS71M4*
87	60	15.60	3970	3.3	JRTRF37DS71M4*
103	51	13.25	3790	3.7	
115	46	11.83	3670	4.0	
35	152	39.25	3280	0.85	
37	142	36.79	3240	0.90	JRTR27DS71M4*
42	125	32.47	3160	1.05	JRTRF27DS71M4*
47	111	28.78	3080	1.15	
56	95	24.47	2970	1.40	
61	86	22.32	2910	1.50	
70	75	19.35	2810	1.75	
75	70	18.08	2760	1.85	
87	60	15.63	2660	2.2	
102	51	13.28	2550	2.5	
115	46	11.86	2470	2.8	
134	39	10.13	2370	3.1	
145	36	9.41	2290	3.4	JRTR27DS71M4*
167	32	8.16	2200	3.7	JRTRF27DS71M4*
178	29	7.63	2160	3.8	
206	26	6.59	2070	4.2	
243	22	5.60	1980	4.6	
272	19	5.00	1910	4.9	
318	17	4.27	1830	5.3	
340	15	4.00	1790	5.5	
404	13	3.37	1700	6.1	
50	105	53.76	1235	0.80	
57	92	47.44	1280	0.90	JRTR17DS71M2*
61	86	44.18	1610	1.00	JRTRF17DS71M2*
70	75	38.61	1590	1.15	
69	76	19.71	1590	1.10	
80	66	16.99	1560	1.30	
86	61	15.84	1550	1.40	JRTR17DS71M4*
98	54	13.84	1510	1.60	JRTRF17DS71M4*
105	50	12.98	1500	1.70	
119	44	11.45	1460	1.85	
134	39	10.15	1430	1.95	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.55kW</b>					
158	33	8.63	1380	2.2	
180	29	7.55	1290	1.90	
193	27	7.04	1270	2.0	
221	24	6.15	1240	2.3	JRTR17DS71M4*
236	22	5.76	1220	2.4	JRTRF17DS71M4*
267	20	5.09	1190	2.6	
302	17	4.51	1150	2.8	
355	15	3.83	1110	3.0	
313	17	8.63	1170	4.3	
358	15	7.55	1100	3.8	
384	14	7.04	1080	4.0	
439	12	6.15	1050	4.5	JRTR17DS71M2*
468	11	5.76	1030	4.7	JRTRF17DS71M2*
531	9.9	5.09	990	5.2	
599	8.8	4.51	960	5.4	
704	7.5	3.83	920	6.0	
174	30	5.18	4510	2.5	
199	26	4.53	4320	3.1	JRTRX67DS80S6*
209	25	4.30	4260	3.2	JRTRXF67DS80S6*
239	22	3.77	4090	4.0	
263	20	5.18	3970	3.8	
300	18	4.53	3800	4.7	
316	17	4.30	3740	4.8	
360	15	3.77	3590	6.0	
425	12	3.20	3410	8.1	JRTRX67DS71M4*
471	11	2.89	3300	9.5	JRTRXF67DS71M4*
535	9.8	2.54	3170	12	
567	9.3	2.40	3110	13	
666	7.9	2.04	2950	17	
732	7.2	1.86	2860	18	
845	6.2	1.61	2730	18	
207	25	4.35	3440	2.7	
238	22	3.79	3300	3.1	JRTRX57DS80S6*
254	21	3.55	3230	3.3	JRTRXF57DS80S6*
287	18	3.14	3110	3.5	
309	17	2.91	3040	3.9	
312	17	4.35	3040	4.1	
359	15	3.79	2910	4.7	
383	14	3.55	2850	5.0	
434	12	3.14	2740	5.4	
467	11	2.91	2680	6.0	
515	10	2.64	2600	6.8	JRTRX57DS71M4*
574	9.2	2.37	2510	7.5	JRTRXF57DS71M4*
666	7.9	2.04	2390	8.7	
708	7.4	1.92	2350	9.3	
823	6.4	1.65	2230	11	
921	5.7	1.48	2150	12	
1045	5.0	1.30	2070	13	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>0.75kW</b>					
0.12	53195	11731	190000	0.94	
0.13	47236	10417	190000	1.06	
0.15	42235	9314	190000	1.18	
0.17	37972	8374	190000	1.32	JRTR187R97DS80S4*
0.19	32957	7268	190000	1.52	
0.21	29778	6567	190000	1.68	
0.23	27366	6035	190000	1.83	
0.26	24301	5359	190000	2.06	
0.19	33294	7289	150000	0.96	
0.23	27171	5949	150000	1.18	
0.30	20696	4531	150000	1.55	JRTR177R97DS80S4*
0.37	17129	3750	150000	1.87	
0.45	13977	3060	150000	2.29	
0.30	20700	4650	120000	0.85	JRTR167R97DS80S4*
0.33	18300	4129	120000	1.00	JRTRF167R97DS80S4*
0.52	12100	2657	120000	1.50	
0.59	10500	2333	120000	1.7	JRTR167R97DS80S4*
0.66	8300	2085	120000	1.95	JRTRF167R97DS80S4*
0.96	6550	1438	120000	2.8	
0.42	15300	3302	46300	0.85	JRTR147R77DS80S4*
0.48	13400	2898	61800	1.00	JRTRF147R77DS80S4*
0.54	12100	2555	64400	1.10	
0.62	10500	2211	67100	1.25	
0.71	9230	1951	68800	1.40	JRTR147R77DS80S4*
0.81	7940	1705	70400	1.65	JRTRF147R77DS80S4*
0.90	7130	1536	71200	1.80	
1.0	6170	1329	72100	2.1	
1.2	5380	1166	72700	2.4	
0.74	8730	1863	50900	0.90	
0.87	7390	1586	54600	1.1	JRTR137R77DS80S4*
0.99	6580	1391	56100	1.2	JRTRF137R77DS80S4*
1.1	5920	1256	57100	1.35	
0.67	9810	2073	37900	0.80	
0.75	8610	1839	51400	0.95	
0.86	7410	1598	54600	1.10	
0.99	6590	1397	56100	1.2	
1.1	5750	1226	57400	1.40	JRTR137R77DS80S4*
1.3	5140	1090	58200	1.55	JRTRF137R77DS80S4*
1.5	4490	951	59000	1.80	
1.7	3860	831	59600	2.1	
1.9	3360	730	60100	2.4	
1.3	4940	1055	16400	0.85	JRTR107R77DS80S4*
1.5	4310	919	29400	1.00	JRTRF107R77DS80S4*
1.7	3840	815	31700	1.1	
1.2	5050	1104	28000	0.85	JRTR107R77DS80S4*
1.5	4400	939	28900	1.00	JRTRF107R77DS80S4*

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>0.75kW</b>					
1.7	3830	822	31800	1.1	JRTR107R77DS80S4*
3.7	1710	369	37100	2.5	JRTRF107R77DS80S4*
4.3	1490	323	37200	2.9	
2.2	2990	632	20100	1.00	
2.5	2620	560	23400	1.15	
2.8	2270	484	25200	1.3	JRTR97R57DS80S4*
3.2	2050	431	26200	1.45	JRTRF97R57DS80S4*
3.6	1800	379	27100	1.65	
4.1	1600	336	27500	1.90	
4.7	1400	296	27800	2.1	
5.5	1170	249	28100	2.6	
3.5	1870	398	9720	0.85	
3.9	1650	352	16200	0.95	
4.5	1430	305	17700	1.10	JRTR87R57DS80S4*
5.2	1260	268	18700	1.25	JRTRF87R57DS80S4*
5.8	1110	236	19400	1.40	
3.8	1740	361	15500	0.90	JRTR87R57DS80S4*
4.6	1440	300	17700	1.10	JRTRF87R57DS80S4*
5.4	1220	256	18900	1.25	
2.8	2610	251.15	36000	1.65	JRTR107D100M8 *
3.0	2390	229.95	36300	1.80	JRTRF107D100M8 *
3.4	2110	203.16	36700	2.0	
3.2	2240	216.28	25300	1.35	JRTR97D100M8 *
3.7	1930	186.30	26600	1.55	JRTRF97D100M8 *
4.1	1760	170.02	27200	1.70	
3.5	2030	255.71	26200	1.45	JRTR97DS80M6*
3.7	1920	241.25	26700	1.55	JRTRF97DS80M6*
4.2	1720	216.28	27300	1.75	
4.8	1500	289.74	27600	2.0	
5.4	1330	255.71	27900	2.3	
5.7	1250	241.25	28000	2.4	JRTR97DS80S4*
6.4	1120	216.28	28100	2.7	JRTRF97DS80S4*
7.4	970	186.30	28300	3.1	
8.1	880	170.02	28300	3.4	
4.2	1720	216.54	15600	0.90	JRTR87DS80M6*
4.4	1640	205.71	16300	0.95	JRTRF87DS80M6*
4.9	1450	181.77	17600	1.05	
5.8	1240	155.34	18800	1.25	JRTR87DS80M6*
6.3	1130	142.41	19300	1.35	JRTRF87DS80M6*
5.6	1280	246.54	18600	1.20	
6.4	1120	216.54	19300	1.40	
6.7	1070	205.71	19600	1.45	
7.6	940	181.77	20000	1.65	
8.9	810	155.34	20000	1.90	JRTR87DS80S4*
9.7	740	142.41	20000	2.0	JRTRF87DS80S4*
11	650	124.97	20000	2.4	
12	615	118.43	20000	2.5	
13	540	103.65	20000	2.9	
15	485	93.38	20000	3.2	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.75kW</b>					
8.3	860	166.59	9490	0.95	
9.5	755	145.67	10500	1.10	JRTR77DS80S4*
10	720	138.39	10800	1.15	JRTRF77DS80S4*
11	630	121.42	11400	1.30	
13	535	102.99	11900	1.55	
15	485	92.97	12200	1.70	
17	425	81.80	12400	1.95	JRTR77DS80S4*
18	400	77.24	12500	2.1	JRTRF77DS80S4*
21	340	65.77	12700	2.4	
24	300	57.68	12800	2.7	
27	270	52.07	12900	3.0	
30	240	45.81	12900	3.5	
32	225	43.26	13000	3.7	
11	670	128.97	4040	0.90	
12	590	113.94	7660	1.00	
13	550	105.83	8120	1.10	
14	500	95.91	8600	1.20	
16	445	86.11	9010	1.35	JRTR67DS80S4*
19	385	74.17	9430	1.55	JRTRF67DS80S4*
20	360	69.75	9570	1.65	
23	320	61.26	9800	1.90	
24	295	56.89	9910	2.0	
27	270	51.56	10000	2.2	
30	240	46.29	10100	2.5	
13	555	106.58	4610	0.80	
14	515	98.99	6200	0.90	
15	465	89.71	7040	0.95	JRTR57DS80S4*
17	420	80.55	7240	1.10	JRTRF57DS80S4*
20	360	69.23	7450	1.25	
21	335	64.85	7430	1.35	
24	295	57.29	7220	1.50	
26	275	53.22	7090	1.65	
29	250	48.23	6930	1.80	
32	225	43.30	6740	2.0	JRTR57DS80S4*
37	194	37.30	6490	2.3	JRTRF57DS80S4*
39	182	35.07	6380	2.5	
46	157	30.18	6130	2.9	
51	140	26.97	5940	3.2	
52	137	26.31	5900	3.3	
55	130	24.99	5820	3.5	JRTR57DS80S4*
63	114	21.93	5610	4.0	JRTRF57DS80S4*
74	97	18.60	5350	4.7	
20	355	68.54	3660	0.85	JRTR47DS80S4*
21	335	64.21	4950	0.90	JRTRF47DS80S4*
24	295	56.73	5450	1.00	
26	275	52.69	5480	1.10	JRTR47DS80S4*
29	250	47.75	5370	1.20	JRTRF47DS80S4*
32	225	42.87	5240	1.35	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>0.75kW</b>					
37	192	36.93	5060	1.55	
40	180	34.73	4980	1.65	JRTR47DS80S4*
46	155	29.88	4800	1.95	JRTRF47DS80S4*
52	139	26.70	4660	2.2	
58	122	23.59	4510	2.5	
52	139	26.74	4660	2.2	
59	121	23.28	4490	2.5	
63	113	21.18	4420	2.7	JRTR47DS80S4*
72	100	19.27	4270	3.0	JRTRF47DS80S4*
77	93	17.89	4180	3.1	
85	84	16.22	4070	3.3	
29	250	48.08	2330	0.80	JRTR37DS80S4*
31	235	44.81	4230	0.85	JRTRF37DS80S4*
35	205	39.17	4720	1.00	
38	191	36.72	4740	1.05	
43	168	32.40	4610	1.20	JRTR37DS80S4*
48	149	28.73	4490	1.35	JRTRF37DS80S4*
57	127	24.42	4320	1.60	
62	116	22.27	4230	1.75	
71	100	19.31	4080	2.0	
76	94	18.05	4010	2.1	JRTR37DS80S4*
88	81	15.60	3850	2.5	JRTRF37DS80S4*
104	69	13.25	3690	2.8	
117	61	11.83	3570	3.0	
137	53	10.11	3420	3.2	
146	49	9.47	3360	3.4	
48	149	28.78	2880	0.85	JRTR27DS80S4*
56	127	24.47	2800	1.00	JRTRF27DS80S4*
62	116	22.32	2750	1.10	
71	100	19.35	2670	1.30	
76	94	18.08	2630	1.40	
88	81	15.63	2550	1.60	
104	69	13.28	2450	1.90	
116	62	11.86	2380	2.1	JRTR27DS80S4*
136	53	10.13	2290	2.3	JRTRF27DS80S4*
147	49	9.41	2210	2.5	
169	42	8.16	2130	2.7	
181	40	7.63	2090	2.8	
209	34	6.59	2010	3.1	
246	29	5.60	1930	3.4	
276	26	5.00	1870	3.7	
70	102	19.71	1465	0.85	
81	88	16.99	1390	0.95	
87	82	15.84	1380	1.05	JRTR17DS80S4*
100	72	13.84	1370	1.20	JRTRF17DS80S4*
106	67	12.98	1360	1.25	
121	59	11.45	1350	1.35	
136	53	10.15	1320	1.45	



uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>0.75kW</b>					
160	45	8.63	1290	1.60	
183	39	7.55	1200	1.45	
196	37	7.04	1180	1.50	
224	32	6.15	1160	1.70	JRTR17DS80S4*
239	30	5.76	1150	1.75	JRTRF17DS80S4*
271	26	5.09	1120	1.95	
306	23	4.51	1090	2.0	
360	20	3.83	1060	2.3	
236	30	11.45	1200	2.7	
266	27	10.15	1170	2.9	
313	23	8.63	1130	3.1	
358	20	7.55	1060	2.8	
384	19	7.04	1040	2.9	JRTR17DS80S2*
439	16	6.15	1010	3.3	JRTRF17DS80S2*
468	15	5.76	990	3.5	
531	14	5.09	960	3.8	
599	12	4.51	930	4.0	
704	10	3.83	890	4.4	
199	36	4.53	4260	2.3	
209	34	4.30	4200	2.3	JRTRX67DS80M6*
239	30	3.77	4040	2.9	JRTRXF67DS80M6*
281	26	3.20	3840	3.9	
267	27	5.18	3900	2.8	
305	24	4.53	3750	3.5	
321	22	4.30	3690	3.6	
366	20	3.77	3540	4.4	
431	17	3.20	3360	6.0	JRTRX67DS80S4*
478	15	2.89	3260	7.1	JRTRXF67DS80S4*
543	13	2.54	3130	8.9	
575	13	2.40	3070	9.8	
675	11	2.04	2920	13	
743	9.6	1.86	2830	13	
858	8.3	1.61	2700	14	
238	30	3.79	3240	2.3	
254	28	3.55	3180	2.4	JRTRX57DS80M6*
287	25	3.14	3060	2.6	JRTRXF57DS80M6*
309	23	2.91	3000	2.9	
341	21	2.64	2910	3.3	
317	23	4.35	2980	3.0	
364	20	3.79	2860	3.5	
389	18	3.55	2800	3.8	
440	16	3.14	2700	4.0	
474	15	2.91	2630	4.4	
523	14	2.64	2560	5.0	JRTRX57DS80S4*
582	12	2.37	2470	5.6	JRTRXF57DS80S4*
676	11	2.04	2360	6.5	
719	10	1.92	2310	6.9	
835	8.6	1.65	2210	8.0	
935	7.7	1.48	2130	8.8	
1060	6.8	1.30	2050	9.3	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>1.1kW</b>					
0.19	48339	7268	190000	1.03	
0.21	43677	6567	190000	1.14	
0.23	40134	6035	190000	1.25	
0.26	35639	5359	190000	1.40	JRTR187R97DS80M4*
0.29	31868	4792	190000	1.57	
0.32	28653	4308	190000	1.74	
0.37	24869	3739	190000	2.01	
0.43	21955	3228	190000	2.28	
0.31	30135	4531	150000	1.06	
0.37	24941	3750	150000	1.28	JRTR177R97DS80M4*
0.45	20352	3060	150000	1.57	
0.68	13985	2056	150000	2.29	
0.53	17900	2657	120000	1.00	
0.60	15600	2333	120000	1.15	
0.67	13800	2085	120000	1.30	
0.75	12300	1877	120000	1.45	JRTR167R97DS80M4*
0.84	11000	1670	120000	1.65	JRTRF167R97DS80M4*
0.97	96800	1438	120000	1.85	
1.1	8620	1279	120000	2.1	
1.2	7510	1123	120000	2.4	
0.63	15300	2211	46800	0.85	
0.72	13500	1951	61700	0.95	
0.82	11700	1705	65200	1.15	
0.91	10500	1536	67100	1.25	
1.0	9060	1329	69000	1.45	JRTR147R77DS80M4*
1.2	7920	1166	70400	1.65	JRTRF147R77DS80M4*
1.4	6960	1029	71400	1.85	
1.6	6030	889	72200	2.2	
1.8	5300	784	72700	2.5	
2.0	4680	695	73200	2.8	
1.0	9610	1391	41900	0.85	
1.1	8660	1256	51200	0.9	JRTR137R77DS80M4*
1.3	7590	1105	54200	1.05	JRTRF137R77DS80M4*
1.3	7160	1043	55100	1.1	
1.6	6070	888	56900	1.3	
1.0	9630	1397	41500	0.85	
1.1	8420	1226	52200	0.95	
1.3	7510	1090	54400	1.05	
1.5	6560	951	56100	1.2	
1.7	5670	831	57500	1.4	JRTR137R77DS80M4*
1.9	4950	730	58500	1.6	JRTRF137R77DS80M4*
2.2	4230	629	59300	1.90	
2.5	3830	560	59700	2.1	
2.8	3300	490	60100	2.4	
1.9	4930	717	17300	0.85	
2.3	4150	614	30200	1.05	
2.6	3670	544	32500	1.15	JRTR107R77DS80M4*
2.8	3310	492	33900	1.30	JRTRF107R77DS80M4*
3.3	2810	417	35500	1.55	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.1kW</b>					
3.8	2510	369	36200	1.70	
4.3	2200	323	36600	1.95	JRTR107R77DS80M4*
4.9	1930	285	36800	2.2	JRTRF107R77DS80M4*
5.5	1700	253	37100	2.5	
3.2	2990	431	20300	1.00	
3.7	2620	379	23400	1.15	
4.2	2330	336	24900	1.30	JRTR97R57DS80M4*
4.7	2050	296	26200	1.45	JRTRF97R57DS80M4*
5.6	1710	249	27300	1.75	
6.0	1590	234	27500	1.90	
6.7	1430	209	27700	2.1	
5.2	1840	268	11700	0.85	JRTR87R57DS80M4*
5.9	1630	236	16400	0.95	JRTRF87R57DS80M4*
6.7	1430	209	17700	1.10	
5.5	1780	256	15100	0.85	JRTR87R57DS80M4*
6.0	1610	232	16500	0.95	JRTRF87R57DS80M4*
7.2	1370	195	18100	1.15	
2.7	3940	251.15	31300	1.10	
2.9	3610	229.95	32700	1.20	JRTR107D100L8 *
3.3	3190	203.16	34300	1.35	JRTRF107D100L8 *
3.9	2700	172.34	35800	1.60	
3.6	2920	255.71	21500	1.05	
3.8	2750	241.25	22600	1.10	JRTR97DS90L6 *
4.2	2470	216.28	24200	1.20	JRTRF97DS90L6 *
4.9	2130	186.30	25900	1.40	
5.5	1920	255.71	26700	1.55	
5.8	1810	241.25	27100	1.65	
6.5	1620	216.28	27500	1.85	
7.5	1400	186.30	27800	2.2	JRTR97DS80M4*
8.2	1280	170.02	27900	2.3	JRTRF97DS80M4*
9.3	1130	150.78	28100	2.7	
11	950	126.75	28300	3.2	
12	870	116.48	28300	3.4	
6.5	1620	216.54	16400	0.95	JRTR87DS80M4*
6.8	1540	205.17	17000	1.00	JRTRF87DS80M4*
7.7	1360	181.77	18100	1.15	
9.0	1170	155.34	19100	1.35	
9.8	1070	142.41	19600	1.45	
11	940	124.97	20000	1.65	
12	890	118.43	20000	1.75	
14	780	103.65	20000	2.0	JRTR87DS80M4*
15	700	93.38	20000	2.2	JRTRF87DS80M4*
17	615	81.92	20000	2.5	
19	545	72.57	20000	2.8	
22	480	63.68	20000	3.2	
23	455	60.35	20000	3.4	
27	395	52.82	20000	3.9	
12	910	121.42	8990	0.90	JRTR77DS80M4*
14	775	102.99	10300	1.05	JRTRF77DS80M4*
15	700	92.97	10900	1.20	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.1kW</b>					
17	615	81.80	11500	1.35	
18	580	77.24	11700	1.40	
21	495	65.77	12100	1.65	
24	435	57.68	12400	1.90	JRTR77DS80M4*
27	390	52.07	12500	2.1	JRTRF77DS80M4*
31	345	45.81	12700	2.4	
32	325	43.26	12700	2.5	
38	275	36.83	12900	3.0	
42	250	33.47	12900	3.3	
16	645	86.11	6820	0.95	
19	555	74.17	8040	1.10	
20	525	69.75	8370	1.15	
23	460	61.26	8920	1.30	
25	425	56.89	9160	1.40	JRTR67DS80M4*
27	385	51.56	9420	1.55	JRTRF67DS80M4*
30	345	46.29	9650	1.75	
35	300	39.88	9890	1.95	
37	280	37.50	9970	2.0	
43	240	32.27	10100	2.2	
49	215	28.83	10200	2.4	
50	210	28.13	10200	2.6	
52	200	26.72	10100	2.7	JRTR67DS80M4*
60	176	23.44	9730	3.2	JRTRF67DS80M4*
70	149	19.89	9270	4.0	
20	520	68.23	5990	0.85	JRTR57DS80M4*
22	485	64.85	6850	0.90	JRTRF57DS80M4*
24	430	57.29	6700	1.05	
26	400	53.22	6610	1.15	
29	360	48.23	6490	1.25	
32	325	43.30	6350	1.40	
38	280	37.30	6140	1.60	
40	265	35.07	6060	1.70	JRTR57DS80M4*
46	225	30.18	5850	2.0	JRTRF57DS80M4*
52	200	26.97	5690	2.2	
53	197	26.31	5650	2.3	
56	188	24.99	5580	2.4	
64	165	21.93	5400	2.7	
75	140	18.60	5170	3.2	
83	126	16.79	5030	3.6	
29	360	47.75	3500	0.85	
33	320	42.87	4850	0.95	
38	275	36.93	4720	1.10	
40	260	34.73	4660	1.15	JRTR47DS80M4*
47	225	29.88	4520	1.35	JRTRF47DS80M4*
52	200	26.70	4410	1.50	
59	177	23.59	4290	1.70	
60	175	23.28	4270	1.70	JRTR47DS80M4*
64	164	21.81	4210	1.85	JRTRF47DS80M4*
73	145	19.27	4080	2.0	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.1kW</b>					
78	134	17.89	4010	2.2	
86	122	16.22	3910	2.3	JRTR47DS80M4*
96	109	14.56	3800	2.4	JRTRF47DS80M4*
112	94	12.54	3650	2.7	
119	89	11.79	3590	2.8	
138	76	10.15	3450	3.0	
154	68	9.07	3340	3.2	
43	245	32.40	2900	0.80	JRTR37DS80M4*
49	215	28.73	3300	0.95	JRTRF37DS80M4*
57	183	24.42	3720	1.10	
73	145	19.31	3840	1.40	JRTR37DS80M4*
78	135	18.05	3790	1.50	JRTRF37DS80M4*
90	117	15.60	3660	1.70	
106	99	13.25	3520	1.90	
118	89	11.83	3430	2.1	
139	76	10.11	3290	2.2	
148	71	9.47	3230	2.3	JRTR37DS80M4*
176	60	7.97	3090	2.6	JRTRF37DS80M4*
210	50	6.67	2920	2.9	
247	43	5.67	2790	3.3	
277	38	5.06	2700	3.6	
72	145	19.35	2430	0.90	
77	136	18.08	2410	0.95	
90	117	15.63	2360	1.10	
105	100	13.28	2290	1.30	
118	89	11.86	2240	1.45	
138	76	10.13	2160	1.60	
172	61	8.16	2010	1.90	JRTR27DS80M4*
184	57	7.63	1980	1.95	JRTRF27DS80M4*
212	50	6.59	1920	2.1	
250	42	5.60	1840	2.4	
280	38	5.00	1790	2.5	
328	32	4.27	1720	2.7	
350	30	4.00	1690	2.8	
415	25	3.37	1610	3.1	
203	52	13.28	1980	2.5	
228	46	11.86	1920	2.8	
267	39	10.13	1840	3.1	
287	37	9.41	1780	3.3	
331	32	8.16	1720	3.7	
354	30	7.63	1690	3.8	JRTR27DS80M2
410	26	6.59	1620	4.1	JRTRF27DS80M2
482	22	5.60	1550	4.5	
540	20	5.00	1500	4.9	
632	17	4.27	1430	5.2	
675	16	4.00	1410	5.4	
801	13	3.37	1340	6.0	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.1kW</b>					
137	77	19.71	1150	1.10	
159	66	16.99	1140	1.30	
170	62	15.84	1140	1.40	
195	54	13.84	1120	1.60	
208	51	12.98	1120	1.70	
236	45	11.45	1100	1.80	
266	40	10.15	1080	1.95	JRTR17DS80M2
313	34	8.63	1050	2.1	JRTRF17DS80M2
358	29	7.55	970	1.90	
384	27	7.04	960	2.0	
439	24	6.15	940	2.3	
468	22	5.76	930	2.4	
531	20	5.09	910	2.6	
599	18	4.51	880	2.7	
704	15	3.83	850	3.0	
249	42	5.63	5680	2.6	JRTRX77DS80M4*
262	40	5.35	5590	2.6	JRTRXF77DS80M4*
296	36	4.73	5380	3.5	
203	52	4.53	4130	1.60	JRTRX67DS90L6 *
214	49	4.30	4070	1.65	JRTRXF67DS90L6 *
244	43	3.77	3920	2.0	
309	34	4.53	3660	2.4	
326	32	4.30	3610	2.5	
371	28	3.77	3470	3.1	
438	24	3.20	3300	4.2	
485	22	2.89	3200	4.9	JRTRX67DS80M4*
551	19	2.54	3070	6.2	JRTRXF67DS80M4*
583	18	2.40	3020	6.8	
685	15	2.04	2870	8.8	
754	14	1.86	2780	9.1	
870	12	1.61	2660	9.4	
1000	11	1.40	2550	9.9	
243	43	3.79	3120	1.60	
259	41	3.55	3060	1.70	JRTRX57DS90L6 *
293	36	3.14	2960	1.80	JRTRXF57DS90L6 *
316	33	2.91	2900	2.0	
348	30	2.64	2820	2.3	
369	28	3.79	2780	2.4	
394	27	3.55	2730	2.6	
446	24	3.14	2630	2.8	
481	22	2.91	2570	3.1	
530	20	2.64	2500	3.5	
591	18	2.37	2420	3.9	JRTRX57DS80M4*
686	15	2.04	2310	4.5	JRTRXF57DS80M4*
729	14	1.92	2270	4.8	
847	12	1.65	2160	5.6	
948	11	1.48	2090	6.1	
1075	9.8	1.30	2010	6.4	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.5kW</b>					
0.23	54728	6035	190000	0.91	
0.26	48599	5359	190000	1.03	
0.29	43457	4792	190000	1.15	
0.32	39073	4308	190000	1.28	JRTR187R97DS90M4*
0.37	33913	3739	190000	1.47	
0.43	29938	3228	190000	1.67	
0.51	25398	2738	190000	1.97	
0.55	23381	2521	190000	2.14	
0.37	34011	3750	150000	0.94	
0.45	27752	3060	150000	1.15	
0.68	19071	2056	150000	1.68	JRTR177R97DS90M4*
0.73	17556	1893	150000	1.82	
0.89	14504	1564	150000	2.21	
0.60	21400	2333	120000	0.85	
0.68	19000	2085	120000	0.95	
0.75	17000	1877	120000	1.05	
0.84	15100	1670	120000	1.20	JRTR167R97DS90M4*
0.98	13300	1438	120000	1.35	JRTRF167R97DS90M4*
1.1	11800	1279	120000	1.55	
1.3	10300	1123	120000	1.75	
1.4	9180	999	120000	1.95	
3.3	3920	426	73600	3.3	JRTR147R87DS90M4*
3.8	3380	368	73800	3.8	JRTRF147R87DS90M4*
0.83	15900	1705	37900	0.85	
0.92	14300	1536	58600	0.90	
1.1	12400	1329	63900	1.05	
1.2	10800	1166	66500	1.20	
1.4	9530	1029	68400	1.35	JRTR147R77DS90M4*
1.6	8250	889	70000	1.60	JRTRF147R77DS90M4*
1.8	7260	784	71100	1.80	
2.0	6420	695	71900	2.0	
2.3	5780	619	72400	2.3	
2.5	5200	558	72800	2.5	
1.4	9770	1043	38800	0.80	
1.6	8290	888	52700	0.95	JRTR137R77DS90M4*
2.0	6500	699	56200	1.25	JRTRF137R77DS90M4*
2.3	5640	609	57600	1.45	
1.3	10200	1090	26100	0.80	
1.5	8940	951	49900	0.90	
1.7	7750	831	53900	1.05	JRTR137R77DS90M4*
1.9	6770	730	55800	1.20	JRTRF137R77DS90M4*
2.2	5800	629	57300	1.40	
2.5	5230	560	58100	1.55	
2.9	4530	490	59000	1.75	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.5kW</b>					
3.3	3950	428	59600	2.0	JRTR137R77DS90M4*
3.7	3560	381	59900	2.3	JRTRF137R77DS90M4*
4.4	3020	323	60300	2.7	
2.7	4900	528	18500	0.90	JRTR107R77DS90M4* JRTRF107R77DS90M4*
2.6	5030	544	10400	0.85	
2.9	4550	492	28100	0.95	JRTR107R77DS90M4*
3.4	3850	417	31700	1.1	JRTRF107R77DS90M4*
3.8	3440	369	33400	1.25	
4.4	3000	323	34900	1.45	
3.0	4470	469	28500	0.95	JRTR107R77DS90M4* JRTRF107R77DS90M4*
4.2	3170	336	11300	0.95	
4.8	2790	296	22400	1.10	
5.7	2330	249	24900	1.30	JRTR97R57DS90M4*
6.0	2180	234	25600	1.40	JRTRF97R57DS90M4*
6.8	1950	209	26600	1.55	
3.0	4710	229.95	26500	0.90	
3.5	4160	203.16	30200	1.05	JRTR107D112M8 *
4.1	3530	172.34	33100	1.20	JRTRF107D112M8 *
4.4	3250	158.68	34100	1.30	
3.7	3910	251.15	31400	1.10	
4.0	3580	229.95	32900	1.20	
4.5	3160	203.16	34400	1.35	JRTR107DS100M6 *
5.3	2680	172.34	35900	1.60	JRTRF107DS100M6 *
5.8	2470	158.68	36200	1.75	
6.5	2210	141.83	36500	1.95	
5.5	2600	255.71	23500	1.15	
5.8	2450	241.25	24300	1.20	
6.5	2200	216.28	25600	1.35	
7.6	1890	186.30	26800	1.60	
8.3	1730	170.02	27300	1.75	JRTR97DS90M4 *
9.4	1530	150.78	27600	1.95	JRTRF97DS90M4 *
11	1290	126.75	27900	2.3	
12	1180	116.48	28000	2.5	
14	1050	103.44	28200	2.9	
15	940	92.48	28300	3.2	
7.8	1850	181.77	11400	0.85	
9.1	1580	155.34	16700	1.00	
9.9	1450	142.41	17600	1.05	JRTR87DS90M4 *
11	1270	124.97	18600	1.20	JRTRF87DS90M4 *
12	1200	118.43	19000	1.30	
14	1050	103.65	19600	1.45	
15	950	93.38	20000	1.65	
17	830	81.92	20000	1.85	
19	735	72.57	20000	2.1	JRTR87DS90M4 *
22	645	63.68	20000	2.4	JRTRF87DS90M4*
23	615	60.35	20000	2.5	
27	535	52.82	20000	2.9	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.5kW</b>					
30	485	47.58	20000	3.2	JRTR87DS90M4 *
34	425	41.74	20000	3.7	JRTRF87DS90M4 *
38	375	36.84	19600	4.1	
15	940	92.97	8500	0.85	
17	830	81.80	9820	1.00	JRTR77DS90M4 *
18	785	77.24	10200	1.05	JRTRF77DS90M4 *
21	670	65.77	11100	1.25	
24	585	57.68	11600	1.40	
27	530	52.07	11900	1.55	
31	465	45.81	12200	1.75	
33	440	43.26	12300	1.85	JRTR77DS90M4 *
38	375	36.83	12600	2.2	JRTRF77DS90M4 *
42	340	33.47	12700	2.4	
49	295	29.00	12500	2.8	
56	255	25.23	12000	3.0	
60	240	23.37	11800	3.5	JRTR77DS90M4 *
66	220	21.43	11500	3.8	JRTRF77DS90M4 *
75	191	18.80	11000	4.1	
23	620	61.26	7280	0.95	
25	580	56.89	7810	1.05	
27	525	51.56	8370	1.15	
30	470	46.29	8830	1.30	JRTR67DS90M4 *
35	405	39.88	9300	1.45	JRTRF67DS90M4 *
38	380	37.50	9460	1.50	
44	330	32.27	9750	1.65	
49	295	28.83	9920	1.80	
50	285	28.13	9950	1.90	
53	270	26.72	9850	2.0	JRTR67DS90M4 *
60	240	23.44	9500	2.4	JRTRF67DS90M4 *
71	200	19.89	9070	3.0	
79	182	17.95	8810	3.2	
27	540	53.22	5140	0.85	JRTR57DS90M4 *
29	490	48.23	6010	0.90	JRTRF57DS90M4 *
33	440	43.30	5920	1.00	
38	380	37.30	5770	1.20	
40	355	35.07	5710	1.25	JRTR57DS90M4 *
47	305	30.18	5540	1.45	JRTRF57DS90M4 *
52	275	26.97	5420	1.65	
54	265	26.31	5390	1.70	
56	255	24.99	5330	1.75	
64	225	21.93	5170	2.0	
76	189	18.60	4980	2.4	JRTR57DS90M4 *
84	171	16.79	4850	2.6	JRTRF57DS90M4 *
95	150	14.77	4700	2.9	
101	142	13.95	4630	3.0	
119	121	11.88	4440	3.4	
38	375	36.93	2380	0.80	JRTR47DS90M4 *
41	355	34.73	3840	0.85	JRTRF47DS90M4 *

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.5kW</b>					
47	305	29.88	4220	1.00	
53	270	26.70	4140	1.10	JRTR47DS90M4 *
60	240	23.59	4050	1.25	JRTRF47DS90M4 *
61	235	23.28	4040	1.25	
65	220	21.81	3990	1.35	
73	196	19.27	3890	1.50	
79	182	17.89	3830	1.60	
87	165	16.22	3740	1.65	
97	148	14.56	3650	1.80	
112	127	12.54	3520	1.95	
120	120	11.79	3470	2.1	
139	103	10.15	3340	2.2	JRTR47DS90M4 *
155	92	9.07	3240	2.4	JRTRF47DS90M4 *
176	81	8.01	3140	2.5	
182	79	7.76	3060	2.1	
203	71	6.96	2980	2.3	
235	61	6.00	2860	2.6	
250	57	5.64	2810	2.7	
291	49	4.85	2700	3.0	
325	44	4.34	2610	3.3	
368	39	3.83	2520	3.7	
73	196	19.31	2660	1.00	JRTR37DS90M4 *
78	183	18.05	2840	1.10	JRTRF37DS90M4 *
90	159	15.60	3160	1.25	
106	135	13.25	3350	1.40	
119	120	11.83	3270	1.50	
140	103	10.11	3160	1.65	
149	96	9.47	3110	1.75	
177	81	7.97	2980	1.95	JRTR37DS90M4 *
211	68	6.67	2820	2.1	JRTRF37DS90M4 *
249	58	5.67	2710	2.5	
279	51	5.06	2630	2.6	
326	44	4.32	2520	2.9	
348	41	4.05	2470	3.0	
414	35	3.41	2360	3.2	
211	68	13.25	2850	2.8	
237	61	11.83	2770	3.0	JRTR37DS90M2
277	52	10.11	2650	3.3	JRTRF37DS90M2
296	48	9.47	2610	3.5	
351	41	7.97	2480	3.8	
90	159	15.63	1700	0.80	
106	135	13.28	2020	0.95	
119	121	11.86	2080	1.05	
139	103	10.13	2030	1.20	JRTR27DS90M4 *
173	83	8.16	1880	1.40	JRTRF27DS90M4 *
185	78	7.63	1860	1.45	
214	67	6.59	1810	1.60	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>1.5kW</b>					
252	57	5.60	1750	1.75	
282	51	5.00	1710	1.85	JRTR27DS90M4 *
330	43	4.27	1650	2.0	JRTRF27DS90M4 *
353	41	4.00	1630	2.1	
418	34	3.37	1560	2.3	
236	61	11.86	1820	2.1	
276	52	10.13	1760	2.4	
343	42	8.16	1640	2.8	
367	39	7.63	1610	2.9	
425	34	6.59	1550	3.2	JRTR27DS90M2
500	29	5.60	1490	3.5	JRTRF27DS90M2
560	26	5.00	1450	3.7	
656	22	4.27	1390	4.0	
700	21	4.00	1360	4.2	
831	17	3.37	1300	4.6	
250	57	5.63	5580	1.90	
264	54	5.35	5490	1.90	
298	48	4.73	5300	2.6	
349	41	4.04	5050	3.5	JRTRX77DS90M4 *
381	38	3.70	4920	4.1	JRTRXF77DS90M4 *
434	33	3.25	4720	5.5	
458	31	3.08	4650	6.2	
523	27	2.70	4460	7.9	
581	25	2.43	4310	8.7	
312	46	4.53	3570	1.80	
328	44	4.30	3520	1.85	
374	38	3.77	3390	2.3	
441	33	3.20	3230	3.1	
488	29	2.89	3140	3.6	JRTRX67DS90M4 *
555	26	2.54	3020	4.6	JRTRXF67DS90M4 *
588	24	2.40	2970	5.0	
690	21	2.04	2820	6.4	
759	19	1.86	2740	6.7	
876	16	1.61	2620	7.0	
1005	14	1.40	2510	7.3	
372	39	3.79	2700	1.80	
397	36	3.55	2650	1.90	
450	32	3.14	2560	2.0	
484	30	2.91	2510	2.3	
534	27	2.64	2440	2.6	JRTRX57DS90M4 *
595	24	2.37	2360	2.9	JRTRXF57DS90M4 *
691	21	2.04	2260	3.3	
734	20	1.92	2220	3.5	
853	17	1.65	2120	4.1	
955	15	1.48	2050	4.5	
1080	13	1.30	1980	4.7	
<b>2.2kW</b>					
0.33	56494	4308	190000	0.89	JRTR187R97DS90L4 *
0.38	49033	3739	190000	1.02	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>2.2kW</b>					
0.44	43286	3228	190000	1.16	
0.51	36722	2738	190000	1.36	
0.56	33805	2521	190000	1.48	
0.63	30213	2253	190000	1.65	JRTR187R97DS90L4 *
0.70	27201	2028	190000	1.84	
0.77	24635	1837	190000	2.03	
0.87	21839	1628	190000	2.29	
0.56	32970	2514	150000	0.97	
0.69	27574	2056	150000	1.16	
0.74	25383	1893	150000	1.26	
0.90	20970	1564	150000	1.53	JRTR177R97DS90L4 *
0.98	19304	1439	150000	1.66	
1.15	16398	1223	150000	1.95	
1.34	14068	1049	150000	2.27	
0.84	22600	1670	120000	0.80	
0.98	19700	1438	120000	0.90	
1.1	17500	1279	120000	1.05	
1.3	15300	1123	120000	1.15	JRTR167R97DS90L4 *
1.4	13600	999	120000	1.30	JRTRF167R97DS90L4 *
1.6	11800	861	120000	1.55	
1.9	10400	760	120000	1.75	
2.1	8730	656	120000	2.1	
2.6	7200	533	71100	1.80	
3.1	6190	462	72100	2.1	JRTR147R87DS90L4 *
3.3	5820	426	72400	2.2	JRTRF147R87DS90L4 *
3.8	5030	368	72900	2.6	
4.3	4450	326	73300	2.9	
1.2	16000	1166	36000	0.80	
1.4	14100	1029	60300	0.9	
1.6	12200	889	64200	1.05	
1.8	10800	784	66600	1.20	JRTR147R77DS90L4 *
2.0	9520	695	68500	1.35	JRTRF147R77DS90L4 *
2.3	8550	619	69700	1.5	
2.5	7690	558	70600	1.70	
2.9	6730	489	71600	1.95	
2.0	9620	699	41800	0.85	JRTR137R77DS90L4 *
2.3	8350	609	52500	0.95	JRTRF137R77DS90L4 *
1.9	10000	730	33300	0.80	
2.2	8610	629	51400	0.95	
2.5	7730	560	54000	1.05	
2.9	6720	490	55900	1.20	
3.3	5860	428	57200	1.35	JRTR137R77DS90L4 *
3.7	5260	381	58100	1.5	JRTRF137R77DS90L4 *
4.4	4460	323	59000	1.80	
4.8	4020	291	59500	2.0	
5.5	3510	255	59900	2.3	
6.3	3070	223	60300	2.6	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>2.2kW</b>					
3.8	5010	369	12100	0.85	
4.4	4450	323	28600	0.95	JRTR107R77DS90L4 *
4.9	3920	285	31400	1.10	JRTRF107R77DS90L4 *
5.6	3470	253	33300	1.25	
6.6	2940	214	35100	1.45	
4.3	4540	325	28100	0.95	JRTR107R77DS90L4 * JRTRF107R77DS90L4 *
6.0	3170	234	11300	0.95	JRTR97R57DS90L4 *
6.8	2880	209	21800	1.05	JRTRF97R57DS90L4 *
3.1	6680	222.60	55900	1.20	
3.7	5660	188.45	57500	1.40	JRTR137D132S8
4.0	5230	174.40	58100	1.55	JRTRF137D132S8
4.5	4690	156.31	58800	1.70	
5.0	4240	141.12	59300	1.90	
5.5	3850	128.18	59600	2.1	JRTR137D132S8
6.2	3410	113.72	60000	2.3	JRTRF137D132S8
6.8	3100	103.20	60300	2.6	
4.6	4540	203.16	28100	0.95	
5.4	3850	172.34	31700	1.10	JRTR107DS100L6*
5.9	3550	158.68	33000	1.20	JRTRF107DS100L6*
6.6	3170	141.83	34400	1.35	
5.6	3740	251.15	32200	1.15	JRTR107DS90L4 *
6.1	3430	229.95	33500	1.25	JRTRF107DS90L4 *
6.9	3030	203.16	34900	1.40	
8.2	2570	172.34	36100	1.65	
8.9	2360	158.68	36300	1.80	
9.9	2110	141.83	36600	2.0	JRTR107DS90L4 *
11	1900	127.68	36900	2.3	JRTRF107DS90L4 *
12	1720	115.63	37000	2.5	
14	1530	102.53	37200	2.8	
15	1380	92.70	37300	3.1	
6.5	3220	216.28	17030	0.95	JRTR97DS90L4 *
7.6	2780	186.30	22500	1.10	JRTRF97DS90L4 *
8.3	2530	170.02	23900	1.20	
9.4	2250	150.78	25300	1.35	
11	1890	126.75	26800	1.60	
12	1740	116.48	27300	1.75	
14	1540	103.44	27600	1.95	
15	1380	92.48	27800	2.2	JRTR97DS90L4 *
17	1240	83.15	28000	2.4	JRTRF97DS90L4 *
20	1080	72.17	28200	2.8	
22	970	65.21	27700	3.1	
24	890	59.92	27000	3.4	
27	795	53.21	26100	3.8	
30	710	47.58	25300	4.2	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>2.2kW</b>					
11	1860	124.97	10100	0.85	
12	1760	118.43	15200	0.90	JRTR87DS90L4 *
14	1540	103.65	17000	1.00	JRTRF87DS90L4 *
15	1390	93.38	17900	1.10	
17	1220	81.92	18900	1.25	
19	1080	72.57	19500	1.45	
22	950	63.68	20000	1.65	
23	900	60.35	20000	1.70	
27	785	52.82	20000	1.95	JRTR87DS90L4 *
30	710	47.58	20000	2.2	JRTRF87DS90L4 *
34	620	41.74	19900	2.5	
38	550	36.84	19200	2.8	
43	485	32.66	18500	3.2	
41	515	34.40	18800	2.9	
45	470	31.40	18300	3.3	JRTR87DS90L4 *
51	415	27.84	17700	3.7	JRTRF87DS90L4 *
60	350	23.40	16800	4.5	
66	320	21.51	16400	4.7	
21	980	65.77	5470	0.85	
24	860	57.68	9540	0.95	JRTR77DS90L4 *
27	775	52.07	10300	1.05	JRTRF77DS90L4 *
31	685	45.81	11000	1.20	
33	645	43.26	11300	1.25	
38	550	36.83	11800	1.50	JRTR77DS90L4 *
42	500	33.47	12100	1.65	JRTRF77DS90L4 *
49	430	29.00	12100	1.90	
56	375	25.23	11700	2.1	
60	350	23.37	11400	2.4	
66	320	21.43	11200	2.6	
75	280	18.80	10800	2.8	JRTR77DS90L4 *
79	265	17.82	10600	2.9	JRTRF77DS90L4 *
90	230	15.60	10200	3.2	
100	210	14.05	9910	3.4	
35	595	39.88	7630	1.00	
38	560	37.50	8020	1.00	JRTR67DS90L4 *
44	480	32.27	8750	1.10	JRTRF67DS90L4 *
49	430	28.83	9140	1.20	
60	350	23.44	9140	1.60	
71	295	19.89	8760	2.0	
79	270	17.95	8530	2.2	
89	235	15.79	8240	2.4	
95	220	14.91	8110	2.5	JRTR67DS90L4 *
111	189	12.70	7760	2.8	JRTRF67DS90L4 *
122	172	11.54	7560	2.9	
141	149	10.00	7250	3.2	
162	130	8.70	6960	3.4	
181	116	7.79	6760	3.3	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>2.2kW</b>					
38	555	37.30	4490	0.80	
40	525	35.07	5110	0.85	JRTR57DS90L4 *
47	450	30.18	5030	1.00	JRTRF57DS90L4 *
52	400	26.97	4960	1.10	
64	325	21.93	4800	1.40	
76	275	18.60	4660	1.60	
84	250	16.79	4570	1.80	
95	220	14.77	4450	2.0	
101	210	13.95	4390	2.1	JRTR57DS90L4 *
119	177	11.88	4230	2.3	JRTRF57DS90L4 *
131	161	10.79	4140	2.4	
151	139	9.35	4000	2.7	
156	135	9.06	3980	2.8	
177	119	7.97	3850	3.0	
107	197	26.31	4340	2.3	
112	187	24.99	4290	2.4	
128	164	21.93	4160	2.8	JRTR57DS90L2
151	139	18.60	3990	3.2	JRTRF57DS90L2
167	126	16.79	3890	3.6	
190	111	14.77	3760	3.9	
201	104	13.95	3710	4.1	
73	285	19.27	3550	1.05	
87	240	16.22	3460	1.15	
97	215	14.56	3400	1.20	
112	187	12.54	3310	1.35	
120	176	11.79	3270	1.40	
139	151	10.15	3160	1.50	
155	135	9.07	3090	1.65	JRTR47DS90L4 *
176	119	8.01	3000	1.70	JRTRF47DS90L4 *
182	116	7.76	2910	1.40	
203	104	6.96	2840	1.55	
235	89	6.00	2740	1.75	
250	84	5.64	2700	1.85	
291	72	4.85	2600	2.1	
325	65	4.34	2530	2.3	
368	57	3.83	2440	2.5	
121	174	23.28	3260	1.70	
129	163	21.81	3220	1.85	
146	144	19.27	3130	2.1	
157	134	17.89	3080	2.2	
173	121	16.22	3010	2.3	JRTR47DS90L2
193	109	14.56	2930	2.4	JRTRF47DS90L2
224	94	12.54	2830	2.7	
238	88	11.79	2780	2.8	
277	76	10.15	2680	3.0	
310	68	9.07	2600	3.2	
351	60	8.01	2510	3.4	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>2.2kW</b>					
90	230	15.60	1070	0.85	JRTR37DS90L4 *
106	198	13.25	1660	0.95	JRTRF37DS90L4 *
119	176	11.83	1990	1.05	
140	151	10.11	2360	1.15	
149	141	9.47	2480	1.20	
177	119	7.97	2750	1.30	
211	99	6.67	2470	1.45	JRTR37DS90L4 *
249	84	5.67	2570	1.70	JRTRF37DS90L4 *
279	75	5.06	2500	1.80	
326	64	4.32	2410	1.95	
348	60	4.05	2370	2.0	
414	51	3.41	2270	2.2	
146	144	19.31	2440	1.4	JRTR37DS90L2
156	135	18.05	2560	1.5	JRTRF37DS90L2
180	117	15.60	2780	1.7	
212	99	13.25	2700	1.9	
237	89	11.83	2630	2.1	
278	76	10.11	2540	2.3	
297	71	9.47	2500	2.4	
352	60	7.97	2390	2.6	
421	50	6.67	2260	2.9	JRTR37DS90L2
496	42	5.67	2170	3.4	JRTRF37DS90L2
555	38	5.06	2100	3.6	
650	32	4.32	2010	3.9	
694	30	4.05	1980	4.0	
824	26	3.41	1880	4.4	
139	151	10.13	1120	0.80	
214	98	6.59	1130	1.10	
252	83	5.60	1390	1.20	JRTR27DS90L4 *
282	75	5.00	1540	1.30	JRTRF27DS90L4 *
330	64	4.27	1540	1.35	
353	60	4.00	1520	1.45	
418	50	3.37	1470	1.55	
212	99	13.28	1710	1.3	
237	89	11.86	1680	1.45	
277	76	10.13	1640	1.6	
344	61	8.16	1520	1.9	
369	57	7.63	1500	1.95	
426	49	6.59	1460	2.2	JRTR27DS90L2
502	42	5.60	1410	2.4	JRTRF27DS90L2
562	37	5.00	1380	2.5	
658	32	4.27	1330	2.7	
703	30	4.00	1310	2.8	
834	25	3.37	1250	3.1	
298	70	4.73	5180	1.75	JRTRX77DS90L4 *
349	60	4.04	4950	2.4	JRTRXF77DS90L4 *
381	55	3.70	4820	2.8	



uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>2.2kW</b>					
434	48	3.25	4640	3.8	
458	46	3.08	4560	4.2	
523	40	2.70	4380	5.4	
581	36	2.43	4250	5.9	JRTRX77DS90L4 *
662	32	2.13	4080	6.3	JRTRXF77DS90L4 *
750	28	1.88	3920	6.7	
846	25	1.67	3780	7.0	
991	21	1.42	3590	7.3	
374	56	3.77	3280	1.55	
441	48	3.20	3130	2.1	
488	43	2.89	3050	2.5	
555	38	2.54	2940	3.1	
588	36	2.40	2890	3.4	JRTRX67DS90L4 *
690	30	2.04	2760	4.4	JRTRXF67DS90L4 *
759	28	1.86	2680	4.6	
876	24	1.61	2570	4.8	
1005	21	1.40	2460	5.0	
450	47	3.14	2450	1.40	
534	39	2.64	2340	1.75	
595	35	2.37	2280	1.95	
691	30	2.04	2190	2.3	JRTRX57DS90L4 *
734	29	1.92	2150	2.4	JRTRXF57DS90L4 *
853	25	1.65	2060	2.8	
955	22	1.48	1990	3.1	
1080	19	1.30	1930	3.3	
<b>3.0kW</b>					
0.51	50076	2738	190000	1.00	
0.56	46098	2521	190000	1.08	
0.63	41199	2253	190000	1.21	
0.70	37092	2028	190000	1.35	
0.77	33593	1837	190000	1.49	JRTR187R97DS100M4*
0.87	29780	1628	190000	1.68	
0.98	26254	1436	160000	1.90	
1.13	22819	1248	190000	2.19	
0.90	28596	1564	150000	1.12	
0.98	26324	1439	150000	1.22	
1.15	22361	1223	150000	1.43	
1.34	19183	1049	150000	1.67	JRTR177R97DS100M4 *
1.50	17134	937	150000	1.87	
1.68	15376	841	150000	2.08	
2.01	12847	703	150000	2.49	
1.2	21200	1123	12000	0.85	
1.4	18900	999	12000	0.95	
1.6	16300	861	12000	1.10	JRTR167R97DS100M4*
1.8	14400	760	12000	1.25	JRTRF167R97DS100M4*
2.1	12200	656	12000	1.50	
2.8	9330	503	12000	1.95	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>3.0kW</b>					
2.6	9990	533	68000	1.30	
3.0	8610	462	69700	1.50	
3.3	8060	426	70400	1.6	JRTR147R87DS100M4*
3.8	6960	368	71500	1.85	JRTRF147R87DS100M4*
4.3	6150	326	72200	2.1	
5.0	5230	280	72800	2.5	
1.6	16900	889	21900	0.75	
1.8	14900	784	52000	0.85	JRTR147R77DS100M4*
2.0	13200	695	62300	1.00	JRTRF147R77DS100M4*
2.3	11800	619	64900	1.10	
2.5	10600	558	66900	1.2	
2.8	9280	490	48100	0.85	
3.3	8100	428	53200	1.00	
3.7	7260	381	54900	1.10	JRTR137R77DS100M4*
4.3	6160	323	56800	1.30	JRTRF137R77DS100M4*
4.8	5540	291	57700	1.45	
5.5	4840	255	58600	1.65	
6.3	4240	223	59300	1.90	
2.7	9990	517	34100	0.80	JRTR137R77DS100M4*
3.1	8760	453	50700	0.9	JRTRF137R77DS100M4*
5.5	4790	253	23500	0.90	JRTR107R77DS100M4*
6.5	4060	214	30700	1.05	JRTRF107R77DS100M4*
7.5	3550	187	33000	1.2	
5.5	4930	256	17400	0.85	JRTR107R77DS100M4*
					JRTRF107R77DS100M4*
3.2	8860	222.60	50300	0.90	
3.8	7500	188.45	54400	1.05	JRTR137D132M8
4.1	6940	174.40	55500	1.15	JRTRF137D132M8
4.6	6220	156.31	56700	1.30	
5.1	5620	141.12	57600	1.40	
5.6	5100	128.18	58300	1.55	
6.3	4520	113.72	59000	1.75	JRTR137D132M8
7.0	4110	103.20	59400	1.95	JRTRF137D132M8
8.1	3530	88.70	59900	2.3	
4.2	6780	222.60	55800	1.20	
5.0	5740	188.45	57400	1.40	JRTR137DS112M6*
5.4	5320	174.40	58000	1.50	JRTRF137DS112M6*
6.0	4760	156.31	58700	1.70	
6.7	4300	141.12	59200	1.85	
7.3	3910	128.18	59600	2.1	JRTR137DS112M6*
8.3	3470	113.72	60000	2.3	JRTRF137DS112M6*
9.1	3150	103.20	60200	2.5	
5.9	4840	158.68	21600	0.90	JRTR107DS112M6*
6.6	4320	141.83	29300	1.00	JRTRF107DS112M6*
7.4	3890	127.68	31500	1.10	
6.1	4710	229.95	26500	0.90	
6.9	4160	203.16	30200	1.05	JRTR107DS100M4*
8.1	3530	172.34	33100	1.20	JRTRF107DS100M4*
8.8	3250	158.68	34100	1.30	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>3.0kW</b>					
9.9	2900	141.83	35300	1.50	
11	2610	127.68	36000	1.65	
12	2370	115.63	36300	1.80	JRTR107DS100M4*
14	2100	102.53	36700	2.1	JRTRF107DS100M4*
15	1900	92.70	36900	2.3	
18	1610	78.57	35900	2.7	
19	1490	72.88	35200	2.9	
9.3	3090	150.78	16200	0.95	
11	2590	126.75	23600	1.15	
12	2380	116.48	24700	1.25	
14	2120	103.44	25900	1.40	
15	1890	92.48	26800	1.60	
17	1700	83.15	27300	1.75	
19	1480	72.17	27700	2.0	JRTR97DS100M4*
21	1330	65.21	27000	2.3	JRTRF97DS100M4*
23	1230	59.92	26400	2.5	
26	1090	53.21	25600	2.8	
29	970	47.58	24800	3.1	
33	880	42.78	24000	3.4	
38	760	37.13	21300	4.0	
42	680	33.25	22400	4.3	
15	1910	93.38	13630	0.80	JRTR87DS100M4*
17	1680	81.92	16000	0.90	JRTRF87DS100M4*
19	1490	72.57	17400	1.05	
22	1300	63.68	18400	1.20	
23	1230	60.35	18800	1.25	
27	1080	52.82	19500	1.45	
29	970	47.58	19900	1.60	JRTR87DS100M4*
34	850	41.74	19400	1.80	JRTRF87DS100M4*
38	755	36.84	18700	2.1	
43	670	32.66	18100	2.3	
50	570	27.88	17400	2.6	
41	705	34.40	18400	2.1	
45	640	31.40	17900	2.4	
50	570	27.84	17400	2.7	
60	480	23.40	16500	3.2	JRTR87DS100M4*
65	440	21.51	16100	3.4	JRTRF87DS100M4*
73	390	19.10	15600	3.7	
82	350	17.08	15100	4.0	
91	315	15.35	14600	4.3	
31	940	45.81	8670	0.85	
32	890	43.26	9270	0.95	JRTR77DS100M4*
38	755	36.83	10500	1.10	JRTRF77DS100M4*
42	685	33.17	11000	1.20	
48	595	29.00	11600	1.40	JRTR77DS100M4*
55	515	25.23	11300	1.50	JRTRF77DS100M4*
60	480	23.37	11100	1.70	JRTR77DS100M4*
65	440	21.43	10800	1.85	JRTRF77DS100M4*

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>3.0kW</b>					
74	385	18.80	10500	2.0	
79	365	17.82	10300	2.1	
90	320	15.60	9980	2.3	
100	290	14.05	9700	2.5	
114	250	12.33	9350	2.7	JRTR77DS100M4*
129	225	10.88	9030	3.0	JRTRF77DS100M4*
145	197	9.64	8720	3.2	
163	176	8.59	8500	3.6	
181	158	7.74	8240	3.9	
206	139	6.79	7920	4.2	
60	480	23.44	8730	1.15	
70	405	19.89	8420	1.45	
78	365	17.95	8230	1.60	
89	325	15.79	7980	1.75	JRTR67DS100M4*
94	305	14.91	7860	1.80	JRTRF67DS100M4*
110	260	12.70	7550	2.0	
121	235	11.54	7360	2.1	
140	205	10.00	7090	2.3	
52	550	26.97	4330	0.80	JRTR57DS100M4*
					JRTRF57DS100M4*
64	450	21.93	4380	1.00	JRTR57DS100M4*
75	380	18.60	4300	1.20	JRTRF57DS100M4*
83	345	16.79	4250	1.30	
95	300	14.77	4160	1.45	
100	285	13.95	4130	1.50	
118	245	11.88	4010	1.65	
130	220	10.79	3940	1.75	
150	191	9.35	3820	1.95	
155	185	9.06	3810	2.0	JRTR57DS100M4*
176	163	7.97	3700	2.2	JRTRF57DS100M4*
186	154	7.53	3650	2.3	
218	131	6.41	3520	2.6	
240	119	5.82	3430	2.7	
277	103	5.05	3310	3.0	
319	90	4.39	3190	3.1	
128	225	21.93	3950	2.0	
151	190	18.60	3820	2.4	
167	172	16.79	3730	2.6	JRTR57DS100M2
190	151	14.77	3620	2.9	JRTRF57DS100M2
201	143	13.95	3570	3.0	
236	122	11.88	3440	3.3	
259	110	10.79	3360	3.5	
86	330	16.22	2030	0.85	JRTR47DS100M4*
96	300	14.56	2500	0.90	JRTRF47DS100M4*
112	255	12.54	3040	0.95	
119	240	11.79	3040	1.00	JRTR47DS100M4*
138	210	10.15	2970	1.10	JRTRF47DS100M4*

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>3.0kW</b>					
154	186	9.07	2910	1.20	
175	164	8.01	2840	1.25	
181	159	7.76	2740	1.05	
201	143	6.96	2680	1.10	JRTR47DS100M4*
233	123	6.00	2610	1.25	JRTRF47DS100M4*
248	115	5.64	2580	1.35	
288	99	4.85	2490	1.50	
323	89	4.34	2430	1.65	
365	78	3.83	2360	1.85	
237	121	11.79	2670	2.0	
276	104	10.15	2580	2.2	
309	93	9.07	2510	2.4	
349	82	8.01	2430	2.5	
361	79	7.76	2370	2.1	JRTR47DS100M2
402	71	6.96	2310	2.2	JRTRF47DS100M2
467	61	6.00	2220	2.5	
496	58	5.64	2190	2.7	
577	50	4.85	2100	3.0	
646	44	4.34	2040	3.3	
731	39	3.83	1970	3.7	
139	205	10.11	780	0.80	JRTR37DS100M4*
148	194	9.47	1010	0.85	JRTRF37DS100M4*
176	163	7.97	1510	0.95	
210	137	6.67	1250	1.05	
247	116	5.67	1630	1.25	
277	104	5.06	1830	1.30	JRTR37DS100M4*
324	88	4.32	2070	1.45	JRTRF37DS100M4*
346	83	4.05	2140	1.45	
411	70	3.41	2180	1.60	
277	103	10.11	2340	1.65	
296	97	9.47	2380	1.70	
351	82	7.97	2290	1.90	
420	68	6.67	2170	2.1	JRTR37DS100M2
494	58	5.67	2090	2.5	JRTRF37DS100M2
553	52	5.06	2030	2.6	
648	44	4.32	1950	2.9	
692	41	4.05	1920	3.0	
821	35	3.41	1840	3.2	
250	115	5.60	360	0.85	
280	102	5.00	615	0.95	JRTR27DS100M4*
328	87	4.27	910	1.00	JRTRF27DS100M4*
350	82	4.00	1010	1.05	
415	69	3.37	1230	1.15	
425	67	6.59	1260	1.55	
500	57	5.60	1330	1.75	
560	51	5.00	1300	1.85	JRTR27DS100M2
656	44	4.27	1260	2.0	JRTRF27DS100M2
700	41	4.00	1240	2.1	
831	35	3.37	1200	2.3	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>3.0kW</b>					
217	132	6.45	7130	1.45	
252	114	5.56	6830	2.0	JRTRX87DS100M4*
276	104	5.07	6650	2.4	JRTRXF87DS100M4*
311	92	4.50	6430	3.2	
370	77	3.78	6100	3.9	
296	97	4.73	5050	1.25	
347	83	4.04	4830	1.75	JRTRX77DS100M4*
378	76	3.70	4720	2.0	JRTRXF77DS100M4*
431	67	3.25	4550	2.7	
455	63	3.08	4480	3.1	
371	77	3.77	3150	1.15	
438	66	3.20	3030	1.55	
485	59	2.89	2950	1.80	
551	52	2.54	2850	2.3	JRTRX67DS100M4*
583	49	2.40	2810	2.5	JRTRXF67DS100M4*
685	42	2.04	2690	3.2	
754	38	1.86	2610	3.3	
870	33	1.61	2510	3.5	
1000	29	1.40	2410	3.6	
446	64	3.14	2330	1.00	
530	54	2.64	2240	1.30	
591	49	2.37	2180	1.40	
686	42	2.04	2100	1.65	JRTRX57DS100M4*
729	39	1.92	2070	1.75	JRTRXF57DS100M4*
847	34	1.65	1990	2.0	
948	30	1.48	1930	2.3	
1075	27	1.30	1870	2.4	
<b>4.0kW</b>					
0.71	48594	2028	190000	1.03	
0.78	44010	1837	190000	1.14	
0.88	39015	1628	190000	1.28	
1.0	34396	1436	160000	1.45	
1.2	29895	1248	190000	1.67	JRTR187R97DS112M4*
1.2	27570	1151	160000	1.81	
1.5	22415	936	190000	2.23	
1.2	29295	1223	150000	1.09	
1.4	25132	1049	150000	1.27	
1.5	22447	937	150000	1.43	JRTR177R97DS112M4*
1.7	20144	841	150000	1.59	
2.0	16831	703	150000	1.90	
2.7	12800	534	150000	2.50	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>4.0kW</b>					
1.6	21500	861	120000	0.85	
1.9	19000	760	120000	0.95	
2.2	16100	656	120000	1.10	JRTR167R97DS112M4*
2.8	12400	503	120000	1.45	JRTRF167R97DS112M4*
3.8	9260	376	120000	1.95	
4.2	8240	335	120000	2.2	
2.7	13200	533	62200	1.00	
3.1	11400	462	65600	1.15	
3.3	10600	426	66800	1.2	
3.8	9190	368	68900	1.4	
4.4	8130	326	70200	1.60	
5.1	6920	280	71400	1.90	JRTR147R87DS112M4*
5.7	6110	247	72100	2.1	JRTRF147R87DS112M4*
6.7	5280	214	72800	2.5	
7.5	4670	189	73200	2.8	
8.9	3920	159	73600	3.3	
2.3	15500	619	43200	0.85	
2.5	14000	558	60500	0.95	JRTR147R77DS112M4*
2.9	12300	489	64100	1.05	JRTRF147R77DS112M4*
3.4	10400	415	67200	1.25	
3.7	9570	381	42700	0.85	
4.4	8120	323	53100	1.00	JRTR137R77DS112M4*
4.9	7310	291	54800	1.10	JRTRF137R77DS112M4*
5.6	6390	255	56400	1.25	
6.3	5600	223	57600	1.45	
3.8	9560	376	43000	0.85	JRTR137R77DS112M4*
4.2	8600	339	51400	0.95	JRTRF137R77DS112M4*
4.8	7540	297	54300	1.05	
7.6	4680	187	27200	0.9	JRTR107R77DS112M4* JRTRF107R77DS112M4*
7.3	4890	193	19000	0.90	JRTR107R77DS112M4*
8.2	4380	172	29000	1.00	JRTRF107R77DS112M4*
4.4	8660	163.31	69500	1.50	
4.9	7790	146.91	70500	1.65	JRTR147D132ML8
6.0	6360	119.86	71900	2.0	JRTRF147D132ML8
6.6	5800	109.31	72400	2.2	
4.1	9250	174.40	48400	0.85	
4.6	8290	156.31	52700	0.95	
5.1	7490	141.12	54400	1.05	JRTR137D132ML8
5.6	6800	128.18	55700	1.20	JRTRF137D132ML8
6.3	6030	113.72	57000	1.35	
7.0	5470	103.20	57800	1.45	
4.3	8860	222.60	50300	0.90	
5.1	7500	188.45	54400	1.05	
5.5	6940	174.40	55500	1.15	JRTR137DS132S6
6.1	6220	156.31	56700	1.30	JRTRF137DS132S6
6.8	5620	141.12	57600	1.40	
7.5	5100	128.18	58300	1.55	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>4.0kW</b>					
8.4	4520	113.72	59000	1.75	JRTR137DS132S6
9.3	4110	103.20	59400	1.95	JRTRF137DS132S6
11	3530	88.70	59900	2.3	
8.2	4640	172.34	27500	0.95	
8.9	4270	158.68	29600	1.00	
10	3820	141.83	31900	1.15	
11	3430	127.68	33400	1.25	
12	3110	115.63	34600	1.40	
14	2760	102.53	35700	1.55	JRTR107DS112M4*
15	2490	92.70	36200	1.70	JRTRF107DS112M4*
18	2100	78.57	34900	2.0	
19	1960	72.88	34200	2.2	
22	1760	65.60	33200	2.4	
24	1600	59.41	32300	2.7	
27	1420	52.68	31300	3.0	
12	3130	116.48	13800	0.95	
14	2780	103.44	22400	1.10	
15	2490	92.48	24100	1.20	
17	2240	83.15	25400	1.35	
20	1940	72.17	26600	1.55	
22	1750	65.21	26000	1.70	JRTR97DS112M4*
24	1610	59.92	25500	1.85	JRTRF97DS112M4*
27	1430	53.21	24700	2.1	
30	1280	47.58	24000	2.3	
33	1150	42.78	23400	2.6	
38	1000	37.13	22500	3.0	
43	890	33.25	21800	3.2	
44	860	32.05	21600	3.0	
52	730	27.19	20600	3.5	
57	675	25.03	20100	4.2	JRTR97DS112M4* JRTRF97DS112M4*
63	600	22.37	19500	4.5	
71	540	20.14	18900	4.8	
22	1710	63.68	13300	0.90	JRTR87DS112M4*
24	1620	60.35	13900	0.95	JRTRF87DS112M4*
27	1420	52.82	15200	1.10	
30	1280	47.58	16000	1.20	
34	1120	41.74	16800	1.40	
39	990	36.84	17400	1.55	JRTR87DS112M4* JRTRF87DS112M4*
43	880	32.66	17500	1.75	
51	750	27.88	16800	2.0	
41	930	34.40	17600	1.60	
45	840	31.40	17400	1.85	
51	750	27.84	16800	2.1	
61	630	23.40	16100	2.5	JRTR87DS112M4* JRTRF87DS112M4*
66	580	21.51	15700	2.6	
74	515	19.10	15200	2.8	
83	460	17.08	14700	3.0	
92	415	15.35	14300	3.2	
107	360	13.38	13700	3.6	
119	320	11.93	13300	3.8	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>4.0kW</b>					
39	990	36.83	4070	0.85	
42	900	33.47	9100	0.90	JRTR77DS112M4 *
49	780	29.00	10300	1.05	JRTRF77DS112M4 *
56	680	25.23	10800	1.15	
61	630	23.37	10600	1.30	
66	575	21.43	10400	1.40	
76	505	18.80	10100	1.55	
80	480	17.82	9950	1.65	
91	420	15.60	9630	1.75	
101	380	14.05	9380	1.90	
115	330	12.33	9070	2.1	
131	295	10.88	8780	2.3	
147	260	9.64	8500	2.4	JRTR77DS112M4 *
165	230	8.59	8320	2.7	JRTRF77DS112M4 *
183	210	7.74	8070	2.9	
209	183	6.79	7770	3.2	
237	161	5.99	7490	3.4	
267	143	5.31	7230	3.6	
71	535	19.89	7960	1.10	
79	485	17.95	7800	1.20	
90	425	15.79	7600	1.30	
95	400	14.91	7510	1.35	
112	340	12.70	7240	1.50	
123	310	11.54	7080	1.60	
142	270	10.00	6840	1.75	JRTR67DS112M4 *
163	235	8.70	6600	1.90	JRTRF67DS112M4 *
182	210	7.79	6440	1.80	
193	198	7.36	6340	1.85	
227	169	6.27	6070	1.95	
249	153	5.70	5920	2.0	
288	133	4.93	5680	2.2	
331	116	4.29	5460	2.3	
76	500	18.60	3520	0.90	JRTR57DS112M4 *
85	450	16.79	3830	1.00	JRTRF57DS112M4 *
96	395	14.77	3800	1.10	
102	375	13.95	3780	1.15	
120	320	11.88	3710	1.25	
132	290	10.79	3660	1.35	
152	250	9.35	3580	1.45	
157	245	9.06	3590	1.55	JRTR57DS112M4 *
178	215	7.97	3500	1.65	JRTRF57DS112M4 *
189	205	7.53	3470	1.75	
222	172	6.41	3350	1.95	
244	157	5.82	3280	2.0	
281	136	5.05	3180	2.3	
323	118	4.39	3070	2.4	
140	275	10.15	1960	0.85	JRTR47DS112M4 *
157	245	9.07	2350	0.90	JRTRF47DS112M4 *

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model
<b>4.0kW</b>					
177	215	8.01	2640	0.95	
204	187	6.96	2480	0.85	
237	161	6.00	2430	0.95	JRTR47DS112M4 *
252	152	5.64	2410	1.00	JRTRF47DS112M4 *
293	131	4.85	2350	1.15	
327	117	4.34	2300	1.25	
371	103	3.83	2250	1.40	
176	215	16.22	2640	1.25	
196	195	14.56	2600	1.35	
228	168	12.54	2540	1.50	
242	158	11.79	2510	1.55	
282	136	10.15	2440	1.70	
315	121	9.07	2390	1.80	
357	107	8.01	2320	1.90	JRTR47DS112M2
369	104	7.76	2250	1.55	JRTRF47DS112M2
411	93	6.96	2200	1.70	
477	80	6.00	2130	1.95	
507	75	5.64	2100	2.1	
589	65	4.85	2020	2.3	
660	58	4.34	1970	2.5	
746	51	3.83	1910	2.8	
255	150	5.56	6630	1.50	
280	137	5.07	6470	1.85	JRTRX87DS112M4 *
316	121	4.50	6260	2.4	JRTRXF87DS112M4
375	102	3.78	5960	3.0	
351	109	4.04	4670	1.30	
383	100	3.70	4560	1.55	
437	87	3.25	4410	2.1	
461	83	3.08	4350	2.3	
527	73	2.70	4190	3.0	JRTRX77DS112M4 *
585	65	2.43	4070	3.3	JRTRXF77DS112M4
667	57	2.13	3920	3.5	
755	51	1.88	3780	3.7	
852	45	1.67	3650	3.9	
998	38	1.42	3480	4.1	
444	86	3.20	2870	1.15	
492	78	2.89	2810	1.35	
559	68	2.54	2730	1.75	
592	65	2.40	2690	1.90	JRTRX67DS112M4 *
695	55	2.04	2580	2.4	JRTRXF67DS112M4
765	50	1.86	2520	2.5	
883	43	1.61	2420	2.6	
1015	38	1.40	2330	2.8	
538	71	2.64	1670	0.95	
599	64	2.37	1780	1.10	
696	55	2.04	1910	1.25	
740	52	1.92	1940	1.35	JRTRX57DS112M4 *
859	44	1.65	1900	1.55	JRTRXF57DS112M4
962	40	1.48	1840	1.70	
1090	35	1.30	1790	1.80	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>5.5kW</b>					
1.0	47272	1436	160000	1.06	
1.2	41107	1248	190000	1.22	
1.3	37777	1151	160000	1.32	JRTR187R97DS132S4 *
1.5	30714	936	190000	1.63	
1.7	27738	845	190000	1.80	
2.2	21679	660	160000	2.31	
1.5	30696	937	150000	1.04	
1.7	27602	841	150000	1.16	
2.0	23062	703	150000	1.39	
2.3	20446	623	150000	1.57	JRTR177R97DS132S4 *
2.7	17539	534	150000	1.82	
3.1	15416	470	150000	2.08	
3.5	13442	409	150000	2.38	
2.2	22200	656	120000	0.80	
2.5	19400	579	120000	0.95	
2.8	17000	503	120000	1.05	
3.3	14500	432	120000	1.25	JRTR167R97DS132S4 *
3.8	12700	376	120000	1.4	JRTRF167R97DS132S4 *
4.3	11300	335	120000	1.60	
4.7	10200	303	120000	1.75	
5.1	9360	279	120000	1.9	
3.1	15700	462	43700	0.85	
3.3	14600	426	57800	0.90	
3.9	12600	368	63800	1.05	
4.4	11100	326	66300	1.15	JRTR147R87DS132S4 *
5.1	9520	280	68600	1.35	JRTRF147R87DS132S4 *
5.8	8400	247	70000	1.55	
6.7	7250	214	71200	1.80	
7.6	6410	189	71900	2.0	
3.1	17000	229.71	120000	1.05	
3.8	13800	186.93	120000	1.30	JRTR167D160M8
4.6	11300	153.07	120000	1.60	JRTRF167D160M8
5.1	10400	139.98	120000	1.75	
5.8	9010	121.81	120000	2.0	
4.3	12100	163.31	64400	1.10	
4.8	10900	146.91	66500	1.20	JRTR147D160M8
5.9	8870	119.86	69300	1.45	JRTRF147D160M8
6.5	8090	109.31	70200	1.60	
5.9	8930	163.31	69200	1.45	JRTR147DS160S6
6.5	8040	146.91	70300	1.60	JRTRF147DS160S6
8.0	6560	119.86	71700	2.0	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>5.5kW</b>					
8.8	5980	109.31	72200	2.2	JRTR147DS160S6
10	5180	94.60	72800	2.5	JRTRF147DS160S6
12	4570	83.47	73200	2.9	
5.5	9480	128.18	44400	0.85	
6.2	8410	113.72	52200	0.95	JRTR137D160M8
6.9	7630	103.20	54200	1.05	JRTRF137D160M8
8.0	6560	88.70	56100	1.20	
5.5	9540	174.40	43300	0.85	
6.1	8550	156.31	51600	0.95	
6.8	7720	141.12	54000	1.05	JRTR137DS160S6
7.5	7010	128.18	55300	1.15	JRTRF137DS160S6
8.4	6220	113.72	56700	1.30	
9.3	5650	103.20	57600	1.40	
6.4	8180	222.60	53000	1.00	
7.6	6920	188.45	55500	1.15	JRTR137DS132S4 *
8.2	6410	174.40	56400	1.25	JRTRF137DS132S4 *
9.1	5740	156.31	57400	1.40	
10	5180	141.12	58200	1.55	
11	4710	128.18	58800	1.70	
13	4180	113.72	59300	1.90	
14	3790	103.20	59700	2.1	
16	3260	88.70	60200	2.5	
18	2970	80.91	60400	2.7	JRTR137DS132S4 *
19	2700	73.49	60500	3.0	JRTRF137DS132S4 *
22	2390	65.20	60700	3.3	
24	2170	59.17	60900	3.7	
28	1870	50.86	61000	4.3	
11	4690	127.08	27100	0.90	
12	4250	115.63	29800	1.00	
14	3770	102.53	32100	1.15	
15	3400	92.70	33500	1.25	
18	2890	78.57	33500	1.50	JRTR107DS132S4 *
20	2680	72.88	32900	1.60	JRTRF107DS132S4 *
22	2410	65.60	32100	1.80	
24	2180	59.41	31300	1.95	
27	1930	52.68	30300	2.2	
30	1750	47.63	29500	2.5	
35	1480	40.37	28200	2.9	
17	3050	83.15	17600	1.00	
20	2650	72.17	21800	1.15	
22	2390	65.21	24600	1.25	
24	2200	59.92	24200	1.35	
27	1950	53.21	23600	1.55	JRTR97DS132S4 *
30	1750	47.58	23000	1.70	JRTRF97DS132S4 *
33	1570	42.78	22500	1.90	
39	1360	37.13	21700	2.2	
43	1220	33.25	21100	2.4	
52	1010	27.58	20100	2.6	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>5.5kW</b>					
45	1180	32.05	20900	2.2	
53	1000	27.19	20000	2.6	
57	920	25.03	19600	3.1	JRTR97DS132S4 *
64	820	22.37	19000	3.3	JRTRF97DS132S4 *
71	740	20.14	18400	3.5	
78	670	18.24	17900	3.7	
88	595	16.17	17300	4.0	
30	1750	47.58	15400	0.90	
34	1530	41.74	17000	1.00	JRTR87DS132S4 *
39	1350	36.84	17200	1.15	JRTRF87DS132S4 *
44	1200	32.66	16700	1.30	
51	1020	27.88	16100	1.45	
51	1020	27.84	16100	1.50	
61	860	23.40	15500	1.80	
66	790	21.51	15200	1.90	
75	700	19.10	14700	2.1	
84	625	17.08	14300	2.2	
93	565	15.35	13900	2.4	JRTR87DS132S4 *
107	490	13.33	13400	2.6	JRTRF87DS132S4 *
120	440	11.93	13000	2.8	
144	365	9.90	12300	3.3	
156	335	9.14	12200	3.6	
174	300	8.22	11800	3.8	
200	260	7.13	11300	4.1	
76	690	18.80	9240	1.15	JRTR77DS132S4 *
80	655	17.82	9400	1.20	JRTRF77DS132S4 *
92	575	15.60	9150	1.30	
102	515	14.05	8950	1.40	
116	455	12.33	8690	1.50	
131	400	10.88	8440	1.65	
148	355	9.64	8190	1.80	JRTR77DS132S4 *
166	315	8.59	8080	2.0	JRTRF77DS132S4 *
185	285	7.74	7860	2.2	
211	250	6.79	7580	2.3	
239	220	5.99	7320	2.5	
269	195	5.31	7070	2.6	
91	580	15.79	6610	0.95	
96	550	14.91	6900	1.00	
113	465	12.70	6810	1.10	
124	425	11.54	6690	1.20	
143	365	10.00	6500	1.30	
164	320	8.70	6310	1.40	JRTR67DS132S4 *
183	285	7.79	6180	1.35	JRTRF67DS132S4 *
194	270	7.36	6100	1.35	
228	230	6.27	5860	1.45	
251	210	5.70	5720	1.50	
290	181	4.93	5510	1.60	
333	158	4.29	5310	1.70	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>5.5kW</b>					
331	159	8.70	5300	2.8	
369	142	7.79	5160	2.7	
391	134	7.36	5080	2.8	JRTR67DS132S2
460	114	6.27	4860	2.9	JRTRF67DS132S2
506	104	5.70	4730	3.0	
584	90	4.93	4540	3.2	
671	78	4.29	4350	3.5	
97	545	14.77	1730	0.80	
103	510	13.95	2070	0.85	JRTR57DS132S4 *
120	435	11.88	2900	0.95	JRTRF57DS132S4 *
132	395	10.79	3270	1.00	
153	345	9.35	3240	1.10	
179	295	7.97	3220	1.20	
190	275	7.53	3200	1.25	JRTR57DS132S4 *
223	235	6.41	3120	1.40	JRTRF57DS132S4 *
246	215	5.82	3080	1.50	
283	185	5.05	3000	1.65	
326	161	4.39	2920	1.75	
308	171	9.35	2930	2.2	
361	145	7.97	2850	2.4	
383	137	7.53	2820	2.6	
449	117	6.41	2720	2.9	JRTR57DS132S2
494	106	5.82	2660	3.0	JRTRF57DS132S2
571	92	5.05	2560	3.3	
656	80	4.39	2470	3.5	
295	178	4.85	1870	0.85	JRTR47DS132S4 *
330	159	4.34	2110	0.90	JRTRF47DS132S4 *
373	141	3.83	2080	1.00	
230	230	12.54	1730	1.10	
244	215	11.79	1910	1.15	
284	185	10.15	2250	1.25	
318	165	9.07	2220	1.35	
359	146	8.01	2170	1.40	JRTR47DS132S2
480	109	6.00	2000	1.45	JRTRF47DS132S2
511	103	5.64	1970	1.50	
593	89	4.85	1920	1.70	
664	79	4.34	1870	1.85	
752	70	3.83	1820	2.1	
216	245	6.63	10500	1.90	
255	205	5.61	9980	2.2	JRTRX107DS132S4 *
276	191	5.19	9760	3.7	JRTRXF107DS132S4 *
307	171	4.65	9460	4.1	
247	215	5.79	8380	1.95	
291	180	4.91	8010	2.2	
316	166	4.52	7820	3.6	JRTRX97DS132S4 *
354	149	4.04	7580	4.0	JRTRXF97DS132S4 *
393	134	3.64	7350	4.4	
434	121	3.30	7140	4.9	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>5.5kW</b>					
489	107	2.92	6890	5.5	
541	97	2.64	6690	6.1	JRTRX97DS132S4 *
638	82	2.24	6360	7.2	JRTRXF97DS132S4 *
731	72	1.96	6110	7.9	
874	60	1.64	5780	8.4	
1010	52	1.42	5530	8.8	
318	165	4.50	6040	1.75	
378	139	3.78	5770	2.2	
411	128	3.48	5640	3.2	JRTRX87DS132S4 *
463	113	3.09	5460	3.6	JRTRXF87DS132S4 *
518	101	2.76	5290	4.0	
576	91	2.48	5130	4.5	
664	79	2.15	4930	4.9	
440	119	3.25	4220	1.50	
464	113	3.08	4160	1.70	
530	99	2.70	4030	2.2	
589	89	2.43	3920	2.4	JRTRX77DS132S4 *
671	78	2.13	3780	2.6	JRTRXF77DS132S4 *
761	69	1.88	3660	2.7	
858	61	1.67	3540	2.8	
1005	52	1.42	3380	3.0	
563	93	2.54	2550	1.25	
596	88	2.40	2520	1.40	
700	75	2.04	2430	1.80	JRTRX67DS132S4 *
770	68	1.86	2380	1.85	JRTRXF67DS132S4 *
889	59	1.61	2300	1.95	
1020	51	1.40	2220	2.0	
700	75	2.04	665	0.90	
745	71	1.92	755	1.00	JRTRX57DS132S4 *
866	61	1.65	940	1.15	JRTRXF57DS132S4 *
969	54	1.48	1020	1.25	
1095	48	1.30	1160	1.30	
<b>7.5kW</b>					
1.3	51514	1151	160000	0.97	
1.5	41883	936	190000	1.19	
1.7	37825	845	190000	1.32	JRTR187R97DS132M4*
2.2	29562	660	160000	1.69	
2.6	24845	555	160000	2.01	
3.1	21084	471	160000	2.37	
3.9	16836	368	150000	1.90	
4.1	16010	350	150000	2.00	JRTR177R107 DS132M4*
4.6	14350	314	150000	2.23	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>7.5kW</b>					
2.0	31448	703	150000	1.02	
2.3	27882	623	150000	1.15	
2.7	23917	534	150000	1.34	JRTR177R97DS132M4*
3.1	21022	470	150000	1.52	
3.5	18330	409	150000	1.75	
2.8	23400	503	120000	0.80	
3.3	19900	432	120000	0.90	
3.8	17500	376	120000	1.05	JRTR167R97DS132M4*
4.3	15600	335	120000	1.15	JRTRF167R97DS132M4*
4.7	14000	303	120000	1.30	
5.1	12900	279	120000	1.40	
4.4	15200	326	47300	0.85	
5.1	13000	280	62600	1.00	
5.8	11500	247	65400	1.15	JRTR147R87DS132M4*
6.7	9940	214	67900	1.30	JRTRF147R87DS132M4*
7.6	8790	189	69400	1.50	
9.0	7390	159	71000	1.75	
3.1	22900	229.71	120000	0.80	
3.8	18600	186.93	120000	0.95	JRTR167D160L8
4.7	15200	153.07	120000	1.20	JRTRF167D160L8
5.1	13900	139.98	120000	1.30	
5.9	12100	121.81	120000	1.50	
4.2	17100	229.71	120000	1.05	JRTR167DS160M6
5.1	13900	186.93	120000	1.30	JRTRF167DS160M6
6.3	11400	153.07	120000	1.60	
6.9	10400	139.98	120000	1.70	
7.9	9090	121.81	120000	2.0	
8.9	8020	107.49	120000	2.2	JRTR167DS160M6
10	6950	93.19	120000	2.6	JRTRF167DS160M6
12	6190	82.91	120000	2.9	
13	5500	73.70	120000	3.3	
14	5030	67.40	120000	3.6	
4.4	16200	163.31	32800	0.80	
4.9	14600	146.91	55100	0.90	JRTR147D160L8
6.0	11900	119.86	64700	1.10	JRTRF147D160L8
6.6	10900	109.31	66500	1.20	
5.9	12200	163.31	64200	1.05	JRTR147DS160M6
6.5	11000	146.91	66300	1.20	JRTRF147DS160M6
8.0	8940	119.86	69200	1.45	
8.8	8150	109.31	70100	1.60	JRTR147DS160M6
10	7060	94.60	71300	1.85	JRTRF147DS160M6
12	6230	83.47	72000	2.1	
7.6	9440	188.45	45300	0.85	
8.2	8730	174.40	50800	0.90	
9.1	7830	156.31	53700	1.00	JRTR137DS132M4*
10	7070	141.12	55200	1.15	JRTRF137DS132M4*
11	6420	128.18	56400	1.25	
13	5700	113.72	57500	1.40	



uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>7.5kW</b>					
14	5170	103.20	58200	1.55	
16	4440	88.70	59100	1.80	JRTR137DS132M4*
18	4050	80.91	59500	1.95	JRTRF137DS132M4*
19	3680	73.49	59800	2.2	
22	3270	65.20	60100	2.5	
24	2960	59.17	60400	2.7	
28	2550	50.86	60600	3.1	
15	4640	92.70	27500	0.95	
18	3940	78.57	31300	1.10	
20	3650	72.88	31300	1.20	
22	3290	65.60	30600	1.30	
24	2980	59.41	30000	1.45	JRTR107DS132M4*
27	2640	52.68	29200	1.65	JRTRF107DS132M4*
30	2390	47.63	28500	1.80	
35	2020	40.37	27300	2.1	
41	1770	35.26	26400	2.4	
48	1480	29.49	25200	2.9	
46	1540	30.77	25500	2.8	
52	1380	27.58	24700	3.1	JRTR107DS132M4*
57	1250	24.90	24100	3.5	JRTRF107DS132M4*
63	1130	22.62	23400	3.8	
24	3000	59.92	19700	1.00	
27	2670	53.21	22200	1.15	JRTR97DS132M4*
30	2380	47.58	21800	1.25	JRTRF97DS132M4*
33	2140	42.78	21300	1.40	
39	1860	37.13	20700	1.60	
43	1670	33.25	20200	1.75	JRTR97 DS132M4*
52	1380	27.58	19400	1.95	JRTRF97 DS132M4*
45	1610	32.05	20000	1.60	
53	1360	27.19	19300	1.90	
57	1250	25.03	18900	2.3	JRTR97DS132M4*
64	1120	22.37	18400	2.4	JRTRF97DS132M4*
71	1010	20.14	17900	2.6	
78	910	18.24	17500	2.7	
39	1840	36.84	11500	0.85	JRTR87DS132M4*
44	1640	32.66	15700	0.95	JRTRF87DS132M4*
51	1400	27.88	15200	1.05	
51	1390	27.84	15200	1.10	
61	1170	23.40	14700	1.30	
66	1080	21.51	14500	1.40	
75	960	19.10	14100	1.50	
84	860	17.08	13700	1.65	JRTR87DS132M4*
93	770	15.35	12500	1.75	JRTRF87DS132M4*
107	670	13.33	12900	1.90	
120	600	11.93	12600	2.1	
144	495	9.90	12000	2.4	
156	460	9.14	11900	2.6	
174	410	8.22	11600	2.8	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>7.5kW</b>					
200	355	7.13	11100	3.0	JRTR87DS132M4*
224	320	6.39	10800	3.2	JRTRF87DS132M4*
270	265	5.30	10200	3.4	
76	940	18.80	5310	0.85	
80	890	17.82	5720	0.85	
92	780	15.60	6610	0.95	
102	705	14.05	7180	1.00	
116	615	12.33	7750	1.10	
131	545	10.88	8010	1.20	JRTR77DS132M4*
148	485	9.64	7810	1.30	JRTRF77DS132M4*
166	430	8.59	7620	1.45	
185	390	7.74	7590	1.55	
211	340	6.79	7340	1.70	
239	300	5.99	7110	1.80	
269	265	5.31	6890	1.90	
113	635	12.70	4240	0.80	
124	580	11.54	4860	0.85	
143	500	10.00	5620	0.95	
164	435	8.70	5930	1.00	
183	390	7.79	5500	0.95	JRTR67DS132M4*
194	370	7.36	5720	1.00	JRTRF67DS132M4*
228	315	6.27	5600	1.05	
251	285	5.70	5480	1.10	
290	245	4.93	5300	1.15	
333	215	4.29	5130	1.25	
179	400	7.97	980	0.90	
190	375	7.53	1280	0.95	
223	320	6.41	2020	1.05	JRTR57DS132M4*
246	290	5.82	2380	1.10	JRTRF57DS132M4*
283	255	5.05	2760	1.20	
326	220	4.39	2710	1.25	
196	365	14.77	2580	1.20	
208	345	13.95	2780	1.25	
244	295	11.88	2780	1.40	
269	265	10.79	2750	1.45	
310	230	9.35	2710	1.60	
364	197	7.97	2670	1.80	JRTR57DS132M2
385	186	7.53	2640	1.90	JRTRF57DS132M2
452	158	6.41	2570	2.1	
498	144	5.82	2520	2.2	
575	125	5.05	2440	2.5	
660	108	4.39	2370	2.6	
216	330	6.63	10100	1.40	
255	280	5.61	9690	1.60	JRTRX107DS132M4*
276	260	5.19	9490	2.7	JRTRXF107DS132M4*
307	235	4.65	9210	3.0	
340	210	4.20	8950	3.9	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>7.5kW</b>					
274	290	5.79	8080	1.45	
291	245	4.91	7750	1.60	
316	225	4.52	7580	2.6	JRTRX97DS132M4*
354	205	4.04	7360	2.9	JRTRXF97DS132M4*
393	182	3.64	7160	3.3	
434	165	3.30	6960	3.6	
489	146	2.92	6730	4.1	
318	225	4.50	5760	1.30	
378	189	3.78	5530	1.60	
411	174	3.48	5420	2.3	
463	155	3.09	5260	2.6	
518	138	2.76	5110	2.9	JRTRX87DS132M4*
576	124	2.48	4970	3.3	JRTRXF87DS132M4*
664	108	2.15	4780	3.6	
741	97	1.93	4640	3.7	
894	80	1.60	4400	3.9	
1030	70	1.39	4230	4.2	
440	163	3.25	3820	1.10	
464	154	3.08	3890	1.25	
530	135	2.70	3820	1.60	
589	122	2.43	3730	1.75	JRTRX77DS132M4*
671	107	2.13	3620	1.85	JRTRXF77DS132M4*
761	94	1.88	3510	2.0	
858	84	1.67	3400	2.1	
1005	71	1.42	3260	2.2	
563	127	2.54	1500	0.95	
596	120	2.40	1610	1.00	
700	102	2.04	1810	1.30	JRTRX67DS132M4*
770	93	1.86	1930	1.35	JRTRXF67DS132M4*
889	81	1.61	2060	1.40	
1020	70	1.40	2080	1.50	
<b>9.2kW</b>					
3.4	24095	435	160000	2.08	JRTR187R107DS160S4*
3.7	21754	393	160000	2.30	
1.7	45763	845	190000	1.09	
2.2	35766	660	160000	1.40	JRTR187R97DS160S4*
2.6	30059	555	160000	1.66	
3.1	25509	471	160000	1.96	
4.0	20369	368	150000	1.57	
4.2	19369	350	150000	1.65	JRTR177R107DS160S4*
4.7	17361	314	150000	1.84	
5.2	15674	283	150000	2.04	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>9.2kW</b>					
2.7	28936	534	150000	1.11	
3.1	25434	470	150000	1.26	JRTR177R97DS160S4*
3.6	22177	409	150000	1.44	
3.8	21400	376	120000	0.85	
4.3	19000	335	120000	0.95	JRTR167R97DS160S4*
4.8	17100	303	120000	1.05	JRTRF167R97DS160S4*
5.2	15700	279	120000	1.15	
5.1	15900	280	37800	0.8	
5.8	14000	247	60400	0.95	
6.7	12100	214	64300	1.05	JRTR147R87DS160S4*
7.6	10700	189	66700	1.2	JRTRF147R87DS160S4*
9.1	9020	159	69100	1.45	
8.8	9960	163.31	67800	1.30	JRTR147DS160S4*
9.8	8960	146.91	69200	1.45	JRTRF147DS160S4*
12	7310	119.86	71000	1.80	
13	6670	109.31	71600	1.95	JRTR147DS160S4*
15	5770	94.60	72400	2.3	JRTRF147DS160S4*
17	5090	83.47	72900	2.6	
20	4400	72.09	73300	3.0	JRTR147DS160S4*
22	4090	66.99	73500	3.2	JRTRF147DS160S4*
9.2	9540	156.31	43400	0.85	
10	8610	141.12	51400	0.95	JRTR137DS160S4*
11	7820	128.18	53800	1.00	JRTRF137DS160S4*
13	6940	113.72	55500	1.15	
14	6300	103.20	56600	1.25	
16	5410	88.70	57900	1.50	
18	4940	80.91	58500	1.60	
20	4480	73.49	59000	1.80	JRTR137DS160S4*
22	3980	65.20	59500	2.0	JRTRF137DS160S4*
24	3610	59.17	59900	2.2	
28	3100	50.86	60300	2.6	
32	2710	44.39	60500	3.0	
18	4790	78.57	23300	0.90	
20	4450	72.88	28600	0.95	
22	4000	65.60	29400	1.05	
24	3620	59.41	28800	1.20	
27	3210	52.68	28100	1.35	JRTR107DS160S4*
30	2910	47.63	27500	1.50	JRTRF107DS160S4*
36	2460	40.37	26500	1.75	
41	2150	35.26	25700	2.0	
49	1800	29.49	24600	2.4	
47	1880	30.77	24900	2.3	JRTR107DS160S4*
52	1680	27.58	24200	2.6	JRTRF107DS160S4*

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>9.2kW</b>					
58	1520	24.90	23500	2.8	JRTR107DS160S4*
64	1380	22.62	23000	3.1	JRTRF107DS160S4*
72	1220	20.07	22200	3.5	
27	3250	53.21	23280	0.90	JRTR97DS160S4*
30	2900	47.58	20600	1.05	JRTRF97DS160S4*
34	2610	42.78	20300	1.15	
39	2270	37.13	19800	1.30	JRTR97DS160S4*
43	2030	33.25	19400	1.40	JRTRF97DS160S4*
52	1690	27.68	18700	1.60	
58	1530	25.03	18300	1.85	
64	1370	22.37	17900	2.0	
71	1230	20.14	17400	2.1	JRTR97DS160S4*
79	1110	18.24	17000	2.3	JRTRF97DS160S4*
89	990	16.17	16500	2.4	
98	890	14.62	16100	2.6	
116	755	12.39	15400	2.9	
67	1310	21.51	13900	1.15	
75	1170	19.10	13600	1.25	
84	1040	17.08	13200	1.35	
94	940	15.35	13000	1.45	
108	810	13.33	12600	1.55	JRTR87DS160S4*
121	730	11.93	12200	1.70	JRTRF87DS160S4*
145	605	9.90	11700	1.95	
158	560	9.14	11700	2.2	
175	500	8.22	11400	2.3	
202	435	7.13	10900	2.5	
225	390	6.39	10600	2.6	
102	860	14.05	4740	0.85	
117	750	12.33	5610	0.90	JRTR77DS160S4*
132	665	10.88	6280	1.00	JRTRF77DS160S4*
149	590	9.64	6800	1.05	
186	470	7.74	6300	1.30	
212	415	6.79	6720	1.40	JRTR77DS160S4*
240	365	5.99	6920	1.50	JRTRF77DS160S4*
271	325	5.31	6720	1.55	
277	315	5.19	9240	2.2	
310	285	4.65	8990	2.5	JRTRX107DS160S4*
343	255	4.20	8760	3.2	JRTRXF107DS160S4*
377	235	3.81	8540	3.6	
425	205	3.38	8270	4.0	
318	275	4.52	7370	2.2	
356	245	4.04	7170	2.4	
396	220	3.64	6980	2.7	
437	200	3.30	6800	3.0	
493	178	2.92	6590	3.3	JRTRX97DS160S4*
545	161	2.64	6410	3.7	JRTRXF97DS160S4*
643	137	2.24	6120	4.4	
736	119	1.96	5890	4.8	
880	100	1.64	5590	5.1	
1015	86	1.42	5360	5.3	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>9.2kW</b>					
414	210	3.48	5220	1.90	
466	188	3.09	5080	2.2	
522	168	2.76	4950	2.4	
580	151	2.48	4820	2.7	JRTRX87DS160S4*
669	131	2.15	4650	2.9	JRTRXF87DS160S4*
747	118	1.93	4520	3.0	
900	98	1.60	4300	3.2	
1035	85	1.39	4140	3.4	
593	148	2.43	3010	1.45	
676	130	2.13	3160	1.55	JRTRX77DS160S4*
766	115	1.88	3260	1.65	JRTRXF77DS160S4*
864	102	1.67	3280	1.70	
1010	87	1.42	3160	1.80	
<b>11.0kW</b>					
3.4	28809	435	160000	1.74	
3.7	26010	393	160000	1.92	JRTR187R107DS160M4*
4.1	23628	357	160000	2.12	
4.6	20965	317	160000	2.38	
1.7	54717	845	190000	0.91	
2.2	42764	660	160000	1.17	JRTR187R97DS160M4*
2.6	35940	555	160000	1.39	
3.1	30500	471	160000	1.64	
4.0	24344	368	150000	1.31	
4.2	23176	350	150000	1.38	
4.7	20758	314	150000	1.54	
5.2	18741	283	150000	1.71	JRTR177R107DS160M4*
5.7	17025	257	150000	1.88	
6.4	15106	228	150000	2.12	
7.1	13706	207	150000	2.33	
3.1	30410	470	150000	1.05	JRTR177R97DS160M4*
3.6	26516	409	150000	1.21	
4.9	19600	295	120000	0.90	
5.3	18200	270	120000	1.00	JRTR167R107DS160M4*
6.3	15400	229	120000	1.15	JRTRF167R107DS160M4*
7.2	13400	200	120000	1.35	
8.5	11300	169	120000	1.60	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>11.0kW</b>					
5.0	20000	291	120000	0.90	JRTR167R107DS160M4* JRTRF167R107DS160M4*
4.3	22800	335	120000	0.80	
4.8	20500	303	120000	0.90	JRTR167R97DS160M4*
5.2	18900	279	120000	0.95	JRTRF167R97DS160M4*
5.8	16800	247	22800	0.75	
6.7	14500	214	56000	0.90	JRTR147R87DS160M4*
7.6	12900	189	63000	1.0	JRTRF147R87DS160M4*
9.1	10800	159	66600	1.20	
5.1	20500	186.93	120000	0.90	
6.3	16700	153.07	120000	1.05	JRTR167DS180M6 *
6.9	15300	139.98	120000	1.20	JRTRF167DS180M6 *
7.9	13300	121.81	120000	1.35	
6.3	16800	229.71	120000	1.05	JRTR167DS160M4*
7.7	13600	186.93	120000	1.30	JRTRF167DS160M4*
9.4	11200	153.07	120000	1.60	
10	10200	139.98	120000	1.75	
12	8890	121.81	120000	2.0	JRTR167DS160M4*
13	7840	107.49	120000	2.3	JRTRF167DS160M4*
15	6800	93.19	120000	2.7	
17	6050	82.91	120000	3.0	
6.5	16100	146.91	35400	0.80	
8.0	13100	119.86	62400	1.00	JRTR147DS180M6 *
8.8	12000	109.31	64600	1.10	JRTRF147DS180M6 *
10	10400	94.60	67300	1.25	
12	9130	83.47	69000	1.40	
8.8	11900	163.31	64700	1.10	JRTR147DS160M4*
9.8	10700	146.91	66700	1.20	JRTRF147DS160M4*
12	8740	119.86	69400	1.50	
13	7970	109.31	70300	1.65	
15	6900	94.60	71400	1.90	
17	6090	83.47	72100	2.1	JRTR147DS160M4*
20	5260	72.09	72800	2.5	JRTRF147DS160M4*
22	4890	66.99	73000	2.7	
24	4460	61.09	73300	2.9	
27	3860	52.87	73600	3.4	
10	10300	141.12	23300	0.80	
11	9350	128.18	46900	0.85	
13	8300	113.72	52700	0.95	
14	7530	103.20	54400	1.05	
16	6470	88.70	56300	1.25	
18	5900	80.91	57200	1.35	JRTR137DS160M4*
20	5360	73.49	57900	1.50	JRTRF137DS160M4*
22	4760	65.20	58700	1.70	
24	4320	59.17	59200	1.85	
28	3710	50.86	59800	2.2	
32	3240	44.39	60200	2.5	
38	2750	37.65	60500	2.9	
44	2400	32.91	60700	3.3	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>11.0kW</b>					
22	4790	65.60	23700	0.90	
24	4330	59.41	27600	1.00	JRTR107DS160M4*
27	3840	52.68	27100	1.10	JRTRF107DS160M4*
30	3470	47.63	26600	1.25	
36	2940	40.37	25700	1.45	JRTR107DS160M4*
41	2570	35.26	25000	1.65	JRTRF107DS160M4*
49	2150	29.49	24000	2.0	
47	2240	30.77	24200	1.90	
52	2010	27.58	23600	2.1	JRTR107DS160M4*
58	1820	24.90	23100	2.4	JRTRF107DS160M4*
64	1650	22.62	22500	2.6	
72	1460	20.07	21800	2.9	
79	1330	18.21	21300	3.2	
34	3120	42.78	14500	0.95	
39	2710	37.13	18900	1.10	JRTR97DS160M4*
43	2430	33.25	18600	1.20	JRTRF97DS160M4*
52	2010	27.58	18000	1.35	
58	1830	25.03	17700	1.55	JRTR97DS160M4*
64	1630	22.37	17300	1.65	JRTRF97DS160M4*
71	1470	20.14	16900	1.80	
79	1330	18.24	16600	1.90	
89	1180	16.17	16100	2.0	
98	1070	14.62	15700	2.2	
116	900	12.39	15100	2.4	JRTR97DS160M4*
133	790	10.83	14600	2.7	JRTRF97DS160M4*
155	675	9.29	14300	3.0	
172	610	8.39	13900	3.3	
202	520	7.12	13200	3.9	
232	455	6.21	12700	4.2	
67	1570	21.51	13200	0.95	JRTR87DS160M4*
75	1390	19.10	13000	1.05	JRTRF87DS160M4*
84	1250	17.08	12800	1.10	
94	1120	15.35	12500	1.20	
108	970	13.33	12200	1.30	
121	870	11.93	11900	1.40	
145	720	9.90	11400	1.65	JRTR87DS160M4*
158	665	9.14	11500	1.80	JRTRF87DS160M4*
175	600	8.22	11200	1.95	
202	520	7.13	10800	2.1	
225	465	6.39	10400	2.2	
272	385	5.30	9910	2.3	
132	795	10.88	4250	0.85	JRTR77DS160M4*
149	705	9.64	5000	0.90	JRTRF77DS160M4*
186	565	7.74	4630	1.10	
212	495	6.79	5250	1.15	JRTR77DS160M4*
240	435	5.99	5720	1.25	JRTRF77DS160M4*
271	390	5.31	6090	1.30	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>11.0kW</b>					
277	380	5.19	9000	1.85	
310	340	4.65	8770	2.1	
343	305	4.20	8560	2.7	JRTRX107DS160M4*
377	280	3.81	8360	3.0	JRTRXF107DS160M4*
425	245	3.38	8100	3.4	
469	225	3.07	7900	3.7	
545	193	2.64	7580	4.3	
318	330	4.52	7150	1.80	
356	295	4.04	6970	2.0	
396	265	3.64	6800	2.2	
437	240	3.30	6640	2.5	
493	215	2.92	6440	2.8	JRTRX97DS160M4*
545	193	2.64	6280	3.1	JRTRXF97DS160M4*
643	163	2.24	6000	3.6	
736	143	1.96	5790	4.0	
880	119	1.64	5500	4.2	
1015	103	1.42	5280	4.4	
414	255	3.48	5030	1.60	
466	225	3.09	4910	1.80	JRTRX87DS160M4*
522	200	2.76	4790	2.0	JRTRXF87DS160M4*
580	181	2.48	4680	2.2	
669	157	2.15	4530	2.5	
747	141	1.93	4400	2.5	JRTRX87DS160M4*
900	117	1.60	4200	2.7	JRTRXF87DS160M4*
1035	102	1.39	4050	2.9	
593	177	2.43	1890	1.20	
676	155	2.13	2140	1.30	JRTRX77DS160M4*
766	137	1.88	2330	1.35	JRTRXF77DS160M4*
864	122	1.67	2460	1.40	
1010	104	1.42	2580	1.50	
<b>15.0kW</b>					
3.4	39285	435	160000	1.27	
3.7	35468	393	160000	1.41	
4.1	32220	357	160000	1.55	
4.6	28588	317	160000	1.75	JRTR187R107DS180S4*
5.1	25939	287	160000	1.93	
5.9	22292	247	160000	2.24	
6.8	19458	216	160000	2.57	
2.6	49009	555	160000	1.02	JRTR187R97DS180S4*
3.1	41590	471	160000	1.20	
4.7	28306	314	150000	1.13	
5.2	25556	283	150000	1.25	
5.7	23216	257	150000	1.38	JRTR177R107DS180S4*
6.4	20599	228	150000	1.55	
7.1	18690	207	150000	1.71	
8.2	16062	178	150000	1.99	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
n <sub>a</sub>	T <sub>a</sub>	i	F <sub>RA</sub>	f <sub>B</sub>	
[toeren/min]	[Nm]		[N]		
<b>15.0kW</b>					
6.4	20800	229	120000	0.85	JRTR167R107DS180S4*
7.3	18200	200	120000	1.00	JRTRF167R107DS180S4*
8.6	15300	169	120000	1.20	
6.4	20900	227	120000	0.85	JRTR167R107DS180S4*
7.4	18200	198	120000	1.00	JRTRF167R107DS180S4*
8.0	16853	182.73	150000	1.90	JRTR177DS180S4*
9.7	13825	149.94	150000	2.31	
6.3	22600	153.07	120000	0.80	
6.9	20700	139.98	120000	0.85	JRTR167DS180L6
8.0	18000	121.81	120000	1.00	JRTRF167DS180L6
9.0	15900	107.49	120000	1.15	
6.4	22500	229.71	120000	0.80	JRTR167DS180S4*
7.8	18300	186.93	120000	1.00	JRTRF167DS180S4*
9.5	15000	153.07	120000	1.20	
10	13700	139.98	120000	1.30	
12	12000	121.81	120000	1.50	
14	10500	107.49	120000	1.70	JRTR167DS180S4*
16	9140	93.19	120000	1.95	JRTRF167DS180S4*
18	8130	82.91	120000	2.2	
20	7230	73.70	120000	2.5	
22	6610	67.40	120000	2.7	
8.9	16100	109.31	34400	0.80	
10	14000	94.60	60600	0.95	JRTR147DS180L6
12	12300	83.47	64000	1.05	JRTRF147DS180L6
13	10600	72.09	66800	1.20	
14	9890	66.99	67900	1.30	
8.9	16000	163.31	36200	0.80	
9.9	14400	146.91	57400	0.90	JRTR147DS180S4*
12	11800	119.86	65000	1.10	JRTRF147DS180S4*
13	10700	109.31	66700	1.20	
15	9280	94.60	68800	1.40	
17	8190	83.47	70100	1.60	
20	7070	72.09	71300	1.85	JRTR147DS180S4*
22	6570	66.99	71700	2.0	JRTRF147DS180S4*
24	5990	61.09	72200	2.2	
28	5190	52.87	72800	2.5	
31	4580	46.65	73200	2.8	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>15.0kW</b>					
14	10100	103.20	30700	0.80	
16	8700	88.70	51000	0.90	JRTR137DS180S4*
18	7940	80.91	53500	1.00	JRTRF137DS180S4*
20	7210	73.49	55000	1.10	
22	6400	65.20	56400	1.25	
25	5800	59.17	57300	1.40	
29	4990	50.86	58400	1.60	JRTR137DS180S4*
33	4360	44.39	59100	1.85	JRTRF137DS180S4*
39	3690	37.65	59800	2.2	
44	3230	32.91	60200	2.5	
52	2730	27.83	60500	2.8	
31	4670	47.63	24500	0.90	
36	3960	40.37	23900	1.10	JRTR107DS180S4*
41	3460	35.26	23400	1.25	JRTRF107DS180S4*
50	2890	29.49	22600	1.50	
47	3020	30.77	22800	1.40	
53	2710	27.58	22400	1.60	
59	2440	24.90	21900	1.75	
65	2220	22.62	21400	1.95	JRTR107DS180S4*
73	1970	20.07	20900	2.2	JRTRF107DS180S4*
80	1790	18.21	20400	2.4	
93	1540	15.65	19700	2.8	
107	1340	13.66	19000	3.2	
53	2710	27.58	16500	1.00	JRTR97DS180S4* JRTRF97DS180S4*
58	2460	25.03	16300	1.15	
65	2200	22.37	16100	1.25	
72	1980	20.14	15800	1.30	
80	1790	18.24	15600	1.40	
90	1590	16.17	15200	1.50	
100	1430	14.62	14900	1.60	JRTR97DS180S4*
118	1220	12.39	14400	1.80	JRTRF97DS180S4*
135	1060	10.83	14000	1.95	
157	910	9.29	13800	2.2	
174	820	8.39	13400	2.5	
205	700	7.12	12800	2.9	
235	610	6.21	12400	3.1	
85	1680	17.08	11600	0.85	
95	1510	15.35	11500	0.90	JRTR87DS180S4*
110	1310	13.33	11300	1.00	JRTRF87DS180S4*
122	1170	11.93	11100	1.05	
147	970	9.90	10700	1.20	
160	900	9.14	11000	1.35	
178	810	8.22	10700	1.45	JRTR87DS180S4*
205	700	7.13	10300	1.55	JRTRF87DS180S4*
229	625	6.39	10100	1.65	
275	520	5.30	9600	1.75	
281	510	5.19	8440	1.35	
314	455	4.65	8260	1.50	JRTRX107DS180S4*
348	410	4.20	8100	2.0	JRTRXF107DS180S4*
383	375	3.81	7930	2.2	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>15.0kW</b>					
431	330	3.38	7720	2.5	
475	300	3.07	7540	2.8	
553	260	2.64	7260	3.2	JRTRX107DS180S4*
634	225	2.30	7010	3.7	JRTRXF107DS180S4*
747	192	1.95	6710	4.0	
855	168	1.71	6470	4.2	
1010	142	1.44	6170	4.6	
323	445	4.52	6660	1.35	
361	395	4.04	6530	1.50	
401	355	3.64	6400	1.65	
443	325	3.30	6270	1.85	
499	285	2.92	6110	2.1	JRTRX97DS180S4*
552	260	2.64	5970	2.3	JRTRXF97DS180S4*
652	220	2.24	5730	2.7	
746	192	1.96	5550	3.0	
892	161	1.64	5290	3.2	
1030	139	1.42	5090	3.3	
420	340	3.48	4260	1.20	
473	305	3.09	4510	1.35	JRTRX87DS180S4*
529	270	2.76	4430	1.50	JRTRXF87DS180S4*
588	245	2.48	4350	1.65	
678	210	2.15	4230	1.80	
757	189	1.93	4130	1.90	JRTRX87DS180S4*
913	157	1.60	3960	2.0	JRTRXF87DS180S4*
1050	137	1.39	3840	2.1	
<b>18.5kW</b>					
3.7	43446	393	160000	1.15	
4.1	39468	357	160000	1.27	
4.6	35019	317	160000	1.43	
5.1	31773	287	160000	1.57	JRTR187R107DS180M4*
6.0	27307	247	160000	1.83	
6.8	23834	216	160000	2.10	
8.0	20223	183	160000	2.47	
5.2	31304	283	150000	1.02	
5.7	28438	257	150000	1.13	
6.4	25232	228	150000	1.27	JRTR177R107DS180M4*
7.1	22894	207	150000	1.40	
8.3	19675	178	150000	1.63	
9.8	16940	149.94	150000	1.89	JRTR177DS180M4*
12.0	13783	122.00	150000	2.32	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>18.5kW</b>					
7.8	22500	186.93	120000	0.80	
9.6	18500	153.07	120000	1.00	JRTR167DS180M4*
10	16900	139.98	120000	1.05	JRTRF167DS180M4*
12	14700	121.81	120000	1.25	
14	13000	107.49	120000	1.40	
16	11200	93.19	120000	1.60	
18	10000	82.91	120000	1.80	JRTR167DS180M4*
20	8890	73.70	120000	2.0	JRTRF167DS180M4*
22	8130	67.40	120000	2.2	
25	7070	58.65	120000	2.6	
12	14500	119.86	56900	0.90	JRTR147DS180M4*
13	13200	109.31	62300	1.00	JRTRF147DS180M4*
15	11400	94.60	65600	1.15	
18	10100	83.47	67700	1.30	
20	8690	72.09	69500	1.50	
22	8080	66.99	70200	1.60	
24	7370	61.09	71000	1.75	JRTR147DS180M4*
28	6380	52.87	71900	2.0	JRTRF147DS180M4*
31	5630	46.65	72500	2.3	
36	4860	40.29	73000	2.7	
18	9760	80.91	39000	0.80	
20	8860	73.49	50200	0.90	JRTR137DS180M4*
22	7860	65.20	53700	1.00	JRTRF137DS180M4*
25	7140	59.17	55100	1.10	
29	6130	50.86	56800	1.30	
33	5350	44.39	58000	1.50	JRTR137DS180M4*
39	4540	37.65	58900	1.75	JRTRF137DS180M4*
45	3970	32.91	59500	2.0	
53	3360	27.83	60100	2.3	
50	3570	29.57	59900	2.2	
61	2910	24.12	60400	2.8	JRTR137DS180M4*
67	2650	22.00	60600	3.0	JRTRF137DS180M4*
77	2300	19.04	60800	3.5	
87	2030	16.80	60900	4.0	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>18.5kW</b>					
36	4870	40.37	20200	0.90	JRTR107DS180M4*
42	4250	35.26	22000	1.00	JRTRF107DS180M4*
50	3560	29.49	21500	1.20	
59	3000	24.90	20900	1.45	
65	2730	22.62	20600	1.60	
73	2420	20.07	20100	1.80	
80	2200	18.21	19700	1.95	
94	1890	15.65	19100	2.3	JRTR107DS180M4*
107	1650	13.66	18500	2.6	JRTRF107DS180M4*
126	1400	11.59	17800	3.1	
145	1220	10.13	17200	3.5	
186	950	7.86	16300	3.1	
220	800	6.66	15600	3.7	
73	2430	20.14	14900	1.05	
80	2200	18.24	14700	1.15	
91	1950	16.17	14500	1.25	
100	1760	14.62	14200	1.30	
118	1490	12.39	13800	1.45	
135	1310	10.83	13500	1.60	JRTR97DS180M4*
158	1120	9.29	13400	1.80	JRTRF97DS180M4*
175	1010	8.39	13100	2.0	
206	860	7.12	12600	2.3	
236	750	6.21	12100	2.5	
282	625	5.20	11600	2.8	
326	545	4.50	11100	3.0	
110	1610	13.33	10600	0.80	
123	1440	11.93	10400	0.85	
148	1190	9.90	10200	1.00	
160	1100	9.14	10600	1.10	JRTR87DS180M4*
178	990	8.22	10300	1.15	JRTRF87DS180M4*
205	860	7.13	10000	1.25	
229	770	6.39	9770	1.30	
276	640	5.30	9350	1.40	
349	505	4.20	7710	1.65	
384	460	3.81	7580	1.80	JRTRX107DS180M4*
433	410	3.38	7400	2.0	JRTRXF107DS180M4*
477	370	3.07	7250	2.2	
555	320	2.64	7010	2.6	
636	280	2.30	6780	3.0	JRTRX107DS180M4*
750	235	1.95	6510	3.3	JRTRXF107DS180M4*
858	205	1.71	6290	3.4	
1015	174	1.44	6020	3.7	
402	440	3.64	6060	1.35	
444	400	3.30	5960	1.50	JRTRX97DS180M4*
501	355	2.92	5830	1.70	JRTRXF97DS180M4*
554	320	2.64	5710	1.85	
654	270	2.24	5510	2.2	
749	235	1.96	5350	2.4	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>18.5kW</b>					
895	197	1.64	5120	2.6	JRTRX97DS180M4*
1035	171	1.42	4940	2.7	JRTRXF97DS180M4*
531	335	2.76	3040	1.20	
590	300	2.48	3340	1.35	
680	260	2.15	3630	1.50	JRTRX87DS180M4*
760	235	1.93	3820	1.55	JRTRXF87DS180M4*
916	193	1.60	3770	1.65	
1055	168	1.39	3670	1.75	
<b>22.0kW</b>					
3.7	51666	393	160000	0.97	
4.1	46935	357	160000	1.07	
4.6	41644	317	160000	1.20	
5.1	37784	287	160000	1.32	JRTR187R107DS180L4*
6.0	32473	247	160000	1.54	
6.8	28344	216	160000	1.76	
8.0	24048	183	160000	2.08	
9.2	21019	160	160000	2.38	
6.4	30014	228	150000	1.07	
7.1	27225	207	150000	1.18	JRTR177R107DS180L4*
8.3	23398	178	150000	1.37	
9.1	21613	160.87	190000	2.31	
9.9	19852	147.76	190000	2.52	JRTR187DS180L4*
9.8	20145	149.94	150000	1.59	
12.0	16390	122.00	150000	1.95	JRTR177DS180L4*
15.1	13112	97.60	147200	2.44	
9.6	22000	153.07	120000	0.80	JRTR167DS180L4*
10	20100	139.98	120000	0.90	JRTRF167DS180L4*
12	17500	121.81	120000	1.05	
14	15400	107.49	120000	1.15	
16	13400	93.19	120000	1.35	
18	11900	82.91	120000	1.50	
20	10600	73.70	120000	1.70	JRTR167DS180L4*
22	9670	67.40	120000	1.85	JRTRF167DS180L4*
25	8410	58.65	120000	2.1	
28	7420	51.76	120000	2.4	
33	6430	44.87	120000	2.8	
13	15700	109.31	41300	0.85	
15	13600	94.60	61500	0.95	JRTR147DS180L4*
18	12000	83.47	64600	1.10	JRTRF147DS180L4*
20	10300	72.09	67300	1.25	
22	9610	66.99	68300	1.35	
24	8760	61.09	69400	1.50	
28	7580	52.87	70800	1.70	JRTR147DS180L4*
31	6690	46.65	71600	1.95	JRTRF147DS180L4*
36	5780	40.29	72400	2.2	
41	5110	35.64	72900	2.5	
49	4300	29.95	73400	3.0	
22	9350	65.20	46900	0.85	
25	8480	59.17	51900	0.95	JRTR137DS180L4*
29	7290	50.86	54800	1.10	JRTRF137DS180L4*
33	6370	44.39	56500	1.25	
39	5400	37.65	57900	1.50	JRTR137DS180L4*
45	4720	32.91	58700	1.70	JRTRF137DS180L4*
53	3990	27.83	59500	1.90	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>22.0kW</b>					
50	4240	29.57	59300	1.85	
61	3460	24.12	60000	2.3	JRTR137DS180L4*
67	3150	22.00	60200	2.5	JRTRF137DS180L4*
77	2730	19.04	60500	2.9	
87	2410	16.80	60700	3.3	JRTR137DS180L4*
101	2080	14.51	60900	3.9	JRTRF137DS180L4*
114	1840	12.83	61000	4.4	
42	5060	35.26	17280	0.85	JRTR107DS180L4*
50	4230	29.49	20400	1.00	JRTRF107DS180L4*
59	3570	24.90	20000	1.20	JRTR107DS180L4*
65	3240	22.62	19700	1.35	JRTRF107DS180L4*
73	2880	20.07	19300	1.50	
80	2610	18.21	19000	1.65	
94	2240	15.65	18500	1.90	
107	1960	13.66	18000	2.2	
126	1660	11.59	17300	2.6	JRTR107DS180L4*
145	1450	10.13	16800	3.0	JRTRF107DS180L4*
171	1230	8.56	16100	3.5	
186	1130	7.86	16100	2.6	
220	960	6.66	15400	3.1	
252	840	5.82	14800	3.6	
73	2890	20.14	14000	0.90	
80	2620	18.24	13900	0.95	JRTR97DS180L4*
91	2320	16.17	13700	1.05	JRTRF97DS180L4*
100	2100	14.62	13600	1.10	
118	1780	12.39	13200	1.25	
135	1550	10.83	13000	1.35	
158	1330	9.29	13100	1.50	
175	1200	8.39	12800	1.70	JRTR97DS180L4*
206	1020	7.12	12300	1.95	JRTRF97DS180L4*
236	890	6.21	11900	2.1	
282	745	5.20	11400	2.4	
326	645	4.50	10900	2.5	
148	1420	9.90	9640	0.85	
160	1310	9.14	10100	0.90	
178	1180	8.22	9960	1.00	JRTR87DS180L4*
205	1020	7.13	9700	1.05	JRTRF87DS180L4*
229	920	6.39	9490	1.10	
276	760	5.30	9110	1.20	
349	600	4.20	7330	1.40	
384	545	3.81	7230	1.50	JRTRX107DS180L4*
433	485	3.38	7090	1.70	JRTRXF107DS180L4*
477	440	3.07	6960	1.90	
555	380	2.64	6760	2.2	
636	330	2.30	6560	2.5	
750	280	1.95	6320	2.7	JRTRX107DS180L4*
858	245	1.71	6120	2.9	JRTRXF107DS180L4*
1015	205	1.44	5870	3.1	



uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>22.0kW</b>					
402	520	3.64	5720	1.15	
444	475	3.30	5650	1.25	
501	420	2.92	5560	1.40	
554	380	2.64	5460	1.55	JRTRX97DS180L4*
654	320	2.24	5300	1.85	JRTRXF97DS180L4*
749	280	1.96	5160	2.0	
895	235	1.64	4960	2.2	
1035	205	1.42	4790	2.2	
531	395	2.76	1270	1.00	
590	355	2.48	1710	1.15	
680	310	2.15	2160	1.25	JRTRX87DS180L4*
760	275	1.93	2450	1.30	JRTRXF87DS180L4*
916	230	1.60	2750	1.35	
1055	200	1.39	3030	1.45	
<b>30.0kW</b>					
6.8	38650	216	160000	1.29	
8.0	32793	183	160000	1.52	JRTR187R107DS200L4*
9.2	28662	160	160000	1.74	
10.9	24220	135	160000	2.06	
7.1	37125	207	150000	0.86	JRTR177R107DS200L4*
8.3	31906	178	150000	1.00	
9.1	29472	160.87	190000	1.70	
9.9	27071	147.76	190000	1.85	JRTR187DS200L4
11.4	23692	129.32	190000	2.11	
12.7	21250	115.99	188200	2.35	
12.0	22350	122.00	150000	1.43	
15.1	17880	97.60	147200	1.79	JRTR177DS200L4
16.9	15901	86.80	140100	2.01	
19.4	13853	75.62	132000	2.31	
14	20900	107.49	120000	0.85	JRTR167DS200L4
16	18200	93.19	120000	1.00	JRTRF167DS200L4
18	16200	82.91	120000	1.10	
20	14400	73.70	120000	1.25	
22	13100	67.40	120000	1.35	
25	11400	58.65	120000	1.55	
28	10100	51.76	120000	1.80	JRTR167DS200L4
33	8740	44.87	120000	2.1	JRTRF167DS200L4
37	7780	39.92	120000	2.3	
43	6710	34.41	120000	2.7	
53	5450	27.96	120000	3.3	
62	4620	23.71	120000	3.9	
18	16300	83.47	32400	0.80	JRTR147DS200L4
20	14000	72.09	60400	0.95	JRTRF147DS200L4
22	13100	66.99	62500	1.00	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>30.0kW</b>					
24	11900	91.09	64700	1.10	JRTR147DS200L4
					JRTRF147DS200L4
28	10300	52.87	67300	1.25	
32	9090	46.65	69000	1.45	
36	7850	40.29	70500	1.65	JRTR147DS200L4
41	6950	35.64	71400	1.85	JRTRF147DS200L4
49	5840	29.95	72300	2.2	
61	4710	24.19	73100	2.5	
72	3980	20.44	73600	3.0	JRTR147DS200L4
82	3510	18.04	73800	3.0	JRTRF147DS200L4
94	3050	15.64	74000	4.3	
29	9910	50.86	35800	0.80	
33	8650	44.39	51200	0.90	JRTR137DS200L4
39	7340	37.65	54700	1.10	JRTRF137DS200L4
45	6410	32.91	56400	1.25	
53	5420	27.83	57900	1.40	
61	4700	24.12	58800	1.70	
67	4290	22.00	59200	1.85	JRTR137DS200L4
77	3710	19.04	59800	2.2	JRTRF137DS200L4
88	3270	16.80	60100	2.4	
101	2830	14.51	59500	2.8	
115	2500	12.83	58400	3.2	JRTR137DS200L4
136	2100	10.79	56600	3.8	JRTRF137DS200L4
194	1480	7.59	53300	3.5	
230	1240	6.38	51300	4.1	
73	3910	20.07	17600	1.10	
81	3550	18.21	17400	1.20	
94	3050	15.65	17100	1.40	
108	2660	13.66	16800	1.60	
127	2260	11.59	16300	1.90	JRTR107DS200L4
145	1970	10.13	15900	2.2	JRTRF107DS200L4
172	1670	8.56	15400	2.6	
187	1530	7.86	15500	1.95	
221	1300	6.66	14900	2.3	
252	1140	5.82	14400	2.6	
299	960	4.92	13700	3.0	
101	2850	14.62	12000	0.80	
119	2420	12.39	11900	0.90	JRTR97DS200L4
136	2110	10.83	11800	1.00	JRTRF97DS200L4
158	1810	9.29	12300	1.10	
175	1640	8.39	12100	1.25	
207	1390	7.12	11700	1.45	
237	1210	6.21	11400	1.55	JRTR97DS200L4
283	1010	5.20	10900	1.75	JRTRF97DS200L4
327	880	4.50	10500	1.85	
434	660	3.38	6370	1.25	
479	600	3.07	6310	1.40	JRTRX107DS200L4
557	515	2.64	6180	1.60	JRTRXF107DS200L4
638	450	2.30	6050	1.85	

uitgaand toerental $n_a$ [toeren/min]	uitgaand koppel $T_a$ [Nm]	ratio $i$	radiale belasting FRA [N]	service factor $f_B$	model
<b>30.0kW</b>					
752	380	1.95	5870	2.0	
860	335	1.71	5720	2.1	JRTRX107DS200L4
1020	280	1.44	5520	2.3	JRTRXF107DS200L4
503	570	2.92	3120	1.05	
556	515	2.64	3560	1.15	
656	435	2.24	4050	1.35	JRTRX97DS200L4
751	380	1.96	4450	1.50	JRTRXF97DS200L4
898	320	1.64	4580	1.60	
1040	275	1.42	4450	1.65	
<b>37.0kW</b>					
6.8	47507	216	160000	1.05	
8.1	40308	183	160000	1.24	JRTR187R107DS225S4*
9.2	35230	160	160000	1.42	
10.9	29770	135	160000	1.68	
9.2	36226	160.87	190000	1.38	
10.0	33274	147.76	190000	1.50	
11.4	29121	129.32	190000	1.72	JRTR187DS225S4
12.7	26120	115.99	188200	1.91	
14.6	22679	100.71	177200	2.20	
12.1	27472	122.00	150000	1.16	
15.1	21977	97.60	147200	1.46	
17.0	19545	86.80	140100	1.64	
19.5	17028	75.62	132000	1.88	JRTR177DS225S4
21.9	15193	67.47	125600	2.11	
25.6	12950	57.51	117000	2.47	
31.0	10730	47.65	107400	2.98	
16	22400	93.19	120000	0.80	
18	19900	82.91	120000	0.90	
20	17700	73.70	120000	1.00	
22	16200	67.40	120000	1.10	
25	14100	58.65	120000	1.30	JRTR167DS225S4
28	12400	51.76	120000	1.45	JRTRF167DS225S4
33	10800	44.87	120000	1.65	
37	9600	39.92	120000	1.90	
43	8270	34.41	120000	2.2	
53	6720	27.96	120000	2.7	
48	7380	30.71	120000	1.35	
60	5900	24.57	120000	2.4	JRTR167DS225S4
67	5250	21.85	120000	2.5	JRTRF167DS225S4
77	4580	19.03	120000	3.5	
87	4080	16.98	120000	3.7	
22	16100	66.99	35000	0.80	JRTR147DS225S4
24	14700	61.09	54200	0.90	JRTRF147DS225S4
28	12700	52.87	63200	1.00	
32	11200	46.65	65900	1.15	JRTR147DS225S4
36	9680	40.29	68200	1.35	JRTRF147DS225S4
41	8570	35.64	69700	1.50	

uitgaand toerental $n_a$ [toeren/min]	uitgaand koppel $T_a$ [Nm]	ratio $i$	radiale belasting FRA [N]	service factor $f_B$	model
<b>37.0kW</b>					
49	7200	29.95	71100	1.80	JRTR147DS225S4
61	5810	24.19	72400	2.1	JRTRF147DS225S4
72	4910	20.44	73000	2.4	JRTR147DS225S4
82	4340	18.04	73400	2.4	JRTRF147DS225S4
94	3760	15.64	73700	3.5	
106	3340	13.91	73900	3.8	JRTR147DS225S4 JRTRF147DS225S4
39	9050	37.65	49400	0.90	JRTR137DS225S4
45	7910	32.91	53600	1.00	JRTRF137DS225S4
53	6690	27.83	55900	1.15	
61	5800	24.12	57300	1.40	
67	5290	22.00	58000	1.50	JRTR137DS225S4
77	4580	19.04	57800	1.75	JRTRF137DS225S4
88	4040	16.80	57300	2.0	
101	3490	14.51	56600	2.3	
115	3080	12.83	55800	2.6	
136	2590	10.79	54400	3.1	JRTR137DS225S4
169	2090	8.71	52600	3.7	JRTRF137DS225S4
194	1820	7.59	51900	2.8	
230	1530	6.38	50100	3.3	
285	1240	5.15	47800	3.7	
73	4820	20.07	16100	0.90	
81	4380	18.21	16100	1.00	
94	3760	15.65	15900	1.15	
108	3280	13.66	15700	1.30	
127	2790	11.59	15400	1.55	JRTR107DS225S4
145	2430	10.13	15100	1.75	JRTRF107DS225S4
172	2060	8.56	14700	2.1	
187	1890	7.86	15000	1.55	
221	1600	6.66	14400	1.85	
252	1400	5.82	14000	2.1	
299	1180	4.92	13400	2.5	
434	810	3.38	4470	1.00	
479	740	3.07	4950	1.10	
557	635	2.64	5530	1.30	JRTRX107DS225S4
638	555	2.30	5610	1.50	JRTRXF107DS225S4
752	470	1.95	5490	1.65	
860	410	1.71	5370	1.70	
1020	345	1.44	5220	1.85	
<b>45.0kW</b>					
8.1	49023	183	160000	1.02	
9.2	42848	160	160000	1.17	JRTR187R107DS225M4*
10.9	36207	135	160000	1.38	
10.0	40469	147.76	190000	1.24	
11.4	35418	129.32	190000	1.41	
12.7	31767	115.99	188200	1.57	JRTR187DS225M4
14.6	27582	100.71	177200	1.81	
16.1	25026	91.38	169000	2.00	
18.7	21557	78.71	159000	2.32	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>45.0kW</b>					
12.1	33411	122.00	150000	0.96	
15.1	26729	97.60	147200	1.20	
17.0	23771	86.80	140100	1.35	
19.5	20710	75.62	132000	1.55	JRTR177DS225M4
21.9	18478	67.47	125600	1.73	
25.6	15750	57.51	117000	2.03	
31.0	13050	47.65	107400	2.45	
20	21500	73.70	120000	0.85	
22	19700	67.40	120000	0.90	JRTR167DS225M4
25	17100	58.65	120000	1.05	JRTRF167DS225M4
28	15100	51.76	120000	1.20	
33	13100	44.87	120000	1.35	
37	11700	39.92	120000	1.55	JRTR167DS225M4
43	10100	34.41	120000	1.80	JRTRF167DS225M4
53	8170	27.96	120000	2.2	
62	6930	23.71	120000	2.6	
48	8980	30.71	120000	1.10	
60	7180	24.57	120000	1.95	JRTR167DS225M4
67	6390	21.85	120000	2.0	JRTRF167DS225M4
77	5560	19.03	120000	2.9	
87	4960	16.98	120000	3.0	
28	15500	52.87	44400	0.85	
32	13600	46.65	61300	0.95	
36	11800	40.29	65000	1.10	JRTR147DS225M4
41	10400	35.64	67200	1.25	JRTRF147DS225M4
49	8760	29.95	69400	1.50	
61	7070	24.19	71300	1.70	
72	5970	20.44	72200	2.0	
82	5270	18.04	72800	2.0	
94	4570	15.64	73200	2.8	JRTR147DS225M4
106	4070	13.91	73500	3.1	JRTRF147DS225M4
123	3510	11.99	73800	3.7	
203	2120	7.25	74300	4.1	
45	9620	32.91	41700	0.85	JRTR137DS225M4
53	8130	27.83	51200	0.95	JRTRF137DS225M4
61	7050	24.12	52400	1.15	
67	6430	22.00	52900	1.25	JRTR137DS225M4
77	5570	19.04	53300	1.45	JRTRF137DS225M4
88	4910	16.80	53400	1.65	
101	4240	14.51	53200	1.90	
115	3750	12.83	52800	2.1	
136	3150	10.79	51900	2.5	JRTR137DS225M4
169	2550	8.71	50500	3.1	JRTRF137DS225M4
194	2220	7.59	50200	2.3	
230	1860	6.38	48700	2.7	
285	1510	5.15	46700	3.0	
94	4580	15.65	14600	0.95	JRTR107DS225M4
108	3990	13.66	14600	1.10	JRTRF107DS225M4
127	3390	11.59	14400	1.25	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>45.0kW</b>					
145	2960	10.13	14300	1.45	
172	2500	8.56	14000	1.70	
187	2300	7.86	14400	1.30	JRTR107DS225M4
221	1950	6.66	14000	1.50	JRTRF107DS225M4
252	1700	5.82	13600	1.75	
299	1440	4.92	13100	2.0	
434	990	3.38	1360	0.85	
479	900	3.07	2080	0.90	
557	770	2.64	2970	1.10	JRTRX107DS225M4
638	675	2.30	3640	1.25	JRTRXF107DS225M4
752	570	1.95	4200	1.35	
860	500	1.71	4540	1.40	
1020	420	1.44	4880	1.55	
<b>55.0kW</b>					
11.4	43142	129.32	190000	1.16	
12.8	38696	115.99	188200	1.29	
14.7	33598	100.71	177200	1.49	
16.2	30484	91.38	169000	1.64	JRTR187D250M4
18.8	26259	78.71	159000	1.90	
22.4	22068	66.15	147000	2.27	
25.8	19107	57.28	137500	2.62	
15.2	32559	97.60	147200	0.98	
17.1	28955	86.80	140100	1.11	
19.6	25226	75.62	132000	1.27	
21.9	22507	67.47	125600	1.42	JRTR177D250M4
25.7	19184	57.51	117000	1.67	
31.1	15896	47.65	107400	2.01	
36.4	13568	40.67	99700	2.36	
25	20900	58.65	120000	0.85	
29	18400	51.76	120000	1.00	
33	16000	44.87	120000	1.15	JRTR167D250M4
37	14200	39.92	120000	1.25	JRTRF167D250M4
43	12300	34.41	120000	1.45	
53	9960	27.96	120000	1.80	
62	8440	23.71	120000	2.1	
60	8750	24.57	120000	1.60	JRTR167D250M4
68	7780	21.85	120000	1.65	JRTRF167D250M4
77	6780	19.03	120000	2.4	
87	6050	16.98	120000	2.5	JRTR167D250M4
102	5150	14.48	120000	3.5	JRTRF167D250M4
123	4270	11.99	120000	4.0	
32	16600	46.65	26600	0.80	
37	14300	40.29	58200	0.90	JRTR147D250M4
41	12700	35.64	63300	1.00	JRTRF147D250M4
49	10700	29.95	66800	1.20	
61	8610	24.19	69600	1.40	

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>55.0kW</b>					
72	7280	20.44	71100	1.65	
82	6420	18.04	71900	1.65	JRTR147D250M4
94	5570	15.64	72500	2.3	JRTRF147D250M4
106	4950	13.91	73000	2.5	
123	4270	11.99	73400	3.0	
151	3470	9.74	73800	3.8	JRTR147D250M4
203	2580	7.25	74200	3.4	JRTRF147D250M4
250	2100	5.89	72500	4.1	
77	6780	19.04	47800	1.20	JRTR137D250M4
88	5980	16.80	48500	1.35	JRTRF137D250M4
102	5170	14.51	48900	1.55	
115	4570	12.83	49000	1.75	
137	3840	10.79	48800	2.1	
169	3100	8.71	48000	2.5	JRTR137D250M4
194	2700	7.59	48100	1.90	JRTRF137D250M4
231	2270	6.38	46900	2.3	
286	1830	5.15	45200	2.5	
<b>75.0kW</b>					
14.7	45815	100.71	177200	1.09	
16.2	41569	91.38	169000	1.20	
18.8	35807	78.71	159000	1.40	
22.4	30093	66.15	147000	1.66	JRTR187D280S4
25.8	26055	57.28	137500	1.92	
31.0	21713	47.73	126100	2.30	
33.1	20359	44.75	116600	2.46	
21.9	30692	67.47	125600	1.04	
25.7	26161	57.51	117000	1.22	
31.1	21676	47.65	107400	1.48	JRTR177D280S4
36.4	18501	40.67	99700	1.73	
45.8	14694	32.30	93700	2.18	
51.4	13111	28.82	88600	2.44	
33	21700	44.87	120000	0.85	
37	19300	39.92	120000	0.95	JRTR167D280S4
43	16700	34.41	120000	1.10	JRTRF167D280S4
53	13500	27.96	120000	1.35	
62	11500	23.71	120000	1.55	
60	11900	24.57	120000	1.20	JRTR167D280S4
68	10600	21.85	120000	1.25	JRTRF167D280S4
78	9210	19.03	120000	1.75	
87	8220	16.98	120000	1.85	
102	7000	14.48	120000	2.6	JRTR167D280S4
123	5800	11.99	116600	2.9	JRTRF167D280S4
145	4950	10.24	112800	3.4	
49	14500	29.95	56500	0.90	JRTR147D280S4
61	11700	24.19	65100	1.00	JRTRF147D280S4

uitgaand toerental	uitgaand koppel	ratio	radiale belasting	service factor	model
$n_a$	$T_a$	$i$	FRA	$f_B$	
[toeren/min]	[Nm]		[N]		
<b>75.0kW</b>					
72	9890	20.44	67900	1.20	
82	8730	18.04	69500	1.20	JRTR147D280S4
95	7570	15.64	70800	1.70	JRTRF147D280S4
106	6730	13.91	71600	1.85	
123	5800	11.99	72400	2.2	
152	4710	9.74	73100	2.8	
179	4000	8.26	73500	3.3	JRTR147D280S4
204	3510	7.25	73100	2.5	JRTRF147D280S4
251	2850	5.89	70100	3.0	
296	2420	5.00	67600	3.6	
<b>90.0kW</b>					
18.8	42969	78.71	159000	1.16	
22.4	36112	66.15	147000	1.38	
25.8	31267	57.28	137500	1.60	
31.0	26055	47.73	126100	1.92	JRTR187D280M4
33.1	24431	44.75	116600	2.05	
36.4	22167	40.61	112700	2.26	
25.7	31393	57.51	117000	1.02	
31.1	26011	47.65	107400	1.23	
36.4	22202	40.67	99700	1.44	JRTR177D280M4
45.8	17633	32.30	93700	1.81	
51.4	15733	28.82	88600	2.03	
60.3	13407	24.56	81700	2.39	
37	23200	39.92	120000	0.80	
43	20000	34.41	120000	0.90	JRTR167D280M4
53	16200	27.96	120000	1.10	JRTRF167D280M4
62	13800	23.71	120000	1.30	
60	14300	24.57	120000	1.00	JRTR167D280M4
68	12700	21.85	120000	1.00	JRTRF167D280M4
78	11100	19.03	120000	1.45	
87	9860	16.98	120000	1.50	
102	8410	14.48	117300	2.1	JRTR167D280M4
123	6960	11.99	113500	2.4	JRTRF167D280M4
145	5940	10.24	110100	2.9	
72	11900	20.44	64800	1.00	
82	10500	18.04	67100	1.00	JRTR147D280M4
95	9080	15.64	69000	1.45	JRTRF147D280M4
106	8080	13.91	70200	1.55	
123	6960	11.99	71400	1.85	
152	5660	9.74	72500	2.3	
179	4800	8.26	73000	2.7	JRTR147D280M4
204	4210	7.25	70900	2.1	JRTRF147D280M4
251	3420	5.89	68300	2.5	
296	2900	5.00	66100	3.0	

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model	
<b>110kW</b>						
18.8	52517	78.71	159000	0.95	JRTR187D315S4	
22.4	44137	66.15	147000	1.13		
25.8	38215	57.28	137500	1.31		
31.0	31846	47.73	126100	1.57		
33.1	29860	44.75	116600	1.67		
36.4	27093	40.61	112700	1.85		
42.3	23338	34.98	107200	2.14		
50.3	19614	29.40	99100	2.55		
31.1	31791	47.65	107400	1.01		JRTR177D315S4
36.4	27135	40.67	99700	1.18		
45.8	21551	32.30	93700	1.48		
51.4	19229	28.82	88600	1.66		
60.3	16387	24.56	81700	1.95		
72.7	13578	20.35	74000	2.36		
85.2	11589	17.37	67900	2.76		
<b>53</b>	<b>19800</b>	<b>27.96</b>	<b>117100</b>	<b>0.90</b>	JRTR167D315S4	
<b>63</b>	<b>16800</b>	<b>23.71</b>	<b>116900</b>	<b>1.05</b>	JRTRF167D315S4	
<b>78</b>	<b>13500</b>	<b>19.03</b>	<b>115500</b>	<b>1.20</b>	JRTR167D315S4 JRTRF167D315S4	
<b>87</b>	<b>12000</b>	<b>16.98</b>	<b>114300</b>	<b>1.25</b>		
<b>103</b>	<b>10200</b>	<b>14.48</b>	<b>112200</b>	<b>1.75</b>		
<b>124</b>	<b>8480</b>	<b>11.99</b>	<b>109300</b>	<b>2.0</b>		
<b>145</b>	<b>7240</b>	<b>10.24</b>	<b>106500</b>	<b>2.4</b>		
<b>132kW</b>						
22.4	52821	66.15	147000	0.95	JRTR187D315M4	
25.9	45734	57.28	137500	1.09		
31.1	38112	47.73	126100	1.31		
33.2	35736	44.75	116600	1.40		
36.5	32424	40.61	112700	1.54		
42.4	27930	34.98	107200	1.79		
50.5	23473	29.40	99100	2.13		
58.3	20323	25.45	90200	2.34		
36.5	32475	40.67	99700	0.99	JRTR177D315M4	
45.9	25791	32.30	93700	1.24		
51.5	23013	28.82	88600	1.39		
60.4	19611	24.56	81700	1.63		
72.9	16249	20.35	74000	1.97		
85.4	13870	17.37	67900	2.31		

uitgaand toerental n <sub>a</sub> [toeren/min]	uitgaand koppel T <sub>a</sub> [Nm]	ratio i	radiale belasting F <sub>RA</sub> [N]	service factor f <sub>B</sub>	model	
<b>132kW</b>						
<b>63</b>	<b>20100</b>	<b>23.71</b>	<b>107900</b>	<b>0.90</b>	JRTR167D315M4 JRTRF167D315M4	
<b>78</b>	<b>16200</b>	<b>19.03</b>	<b>108300</b>	<b>1.00</b>	JRTR167D315M4 JRTRF167D315M4	
<b>87</b>	<b>14400</b>	<b>16.98</b>	<b>107800</b>	<b>1.05</b>		
<b>103</b>	<b>12300</b>	<b>14.48</b>	<b>106700</b>	<b>1.45</b>		
<b>124</b>	<b>10200</b>	<b>11.99</b>	<b>104700</b>	<b>1.65</b>		
<b>145</b>	<b>8690</b>	<b>10.24</b>	<b>102600</b>	<b>1.95</b>		
<b>160kW</b>						
25.9	55435	57.28	137500	0.90	JRTR187D315M4a	
31.1	46196	47.73	126100	1.08		
42.4	33854	34.98	107200	1.48		
50.5	28452	29.40	99100	1.76		
58.3	24634	25.45	90200	1.93		
70.0	20529	21.21	86800	2.13		
82.1	17503	18.08	84000	2.37		
60.4	23771	24.56	81700	1.35		JRTR177D315M4a
72.9	19696	20.35	74000	1.62		
85.4	16812	17.37	67900	1.90		
130.5	11236	11.37	68000	2.85	JRTR177D315M4a	
154.6	9489	9.60	64000	3.27		
<b>103</b>	<b>14900</b>	<b>14.48</b>	<b>99700</b>	<b>1.20</b>	JRTR167D315M4a JRTRF167D315M4a	
<b>124</b>	<b>12300</b>	<b>11.99</b>	<b>98900</b>	<b>1.40</b>		
<b>145</b>	<b>10500</b>	<b>10.24</b>	<b>97600</b>	<b>1.60</b>		
<b>200kW</b>						
42.43	42318	34.98	107200	1.18	JRTR187D315M4b	
50.48	35565	29.40	99100	1.41		
58.31	30793	25.45	90200	1.55		
69.97	25661	21.21	86800	1.71		
82.06	21879	18.08	84000	1.89		
94.03	19501	15.78	159000	2.56		JRTR187D315M4b
111.88	16389	13.26	147000	2.93		
60.42	29714	24.56	81700	1.08	JRTR177D315M4b	
72.92	24620	20.35	74000	1.30		
85.43	21015	17.37	67900	1.52		
130.55	14045	11.37	68000	2.28	JRTR177D315M4b	
154.58	11862	9.60	64000	2.61		