



SEW
EURODRIVE

Revision



(E)DRN.. (IE3) Gearmotors – 60 Hz
DRN.. and EDRN.. Gearmotors in HazLoc-NA®



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1 Supplement/revision

INFORMATION



This documentation supplements or revises the following contents of the "(E)DRN.. (IE3) Gearmotors – 60 Hz" catalog (part number 22742654):

- Supplement of the new motor size (E)DRN100LM4: Product features, selection tables, and technical data
 - Revision chapter 13 "Technical data of the motors": Technical data of the 6-pole motors of the DR63.. series
 - Revision chapter 13 "Technical data of the motors": Technical data of the DRN.. motors, 460 V, 60 Hz, 4-pole, S1
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1.1 The new motor size (E)DRN100LM4

1.1.1 Product features

The new, optimized design (E)DRN100LM4 with a rated frequency of 60 Hz or 50/60 Hz and a rated power of 2.2 kW replaces all existing designs (E)DRN100L4 of the same power and frequency.

The new size offers the following advantages:

- DRN.. motors of size 100LM have a lower inertia than motors of size 100L.
- Since the rated torque and rated power remain unchanged, the motor's operating behavior is even more dynamic.
- The lower starting current ratio further reduces the load on the system's protection devices.

Approvals, certifications, options, and accessories of the (E)DRN100L4 are also available for the new designs. The price and delivery time remain unchanged.

INFORMATION

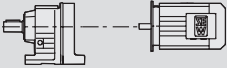


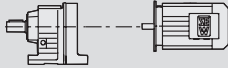
The dimensions of the motor (E)DRN100LM4 are identical to the (E)DRN100L4 ones. You find the dimensions of the (E)DRN100LM4 gearmotors in the dimension sheets of the respective gearmotors with motor (E)DRN100L4.

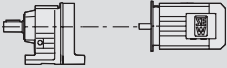
1.1.2 Selection tables

R..(E)DRN100LM4

P _m = 2.2 kW										
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg
1.1	17800	1670	120000	1.00	X	R RF RM	167R97 167R97 167R97	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	780
1.2	15600	1438	120000	1.15	X					780
1.4	13900	1279	120000	1.30	X					980
1.6	12100	1123	120000	1.50	X					
1.8	10700	999	120000	1.65	X					
2.0	9300	861	120000	1.95	X					
2.3	8230	760	120000	2.2	X					
2.7	6820	656	120000	2.6	X					
3.3	5670	533	72500	2.3	X	R RF RM	147R87 147R87 147R87	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	470
3.8	4870	462	73000	2.7	X					475
4.1	4610	426	73200	2.8	X					640
4.8	3980	368	73500	3.3	X					
5.4	3520	326	73800	3.7	X					
1.5	12700	1166	63100	1.00	X	R RF RM	147R77 147R77 147R77	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	445
1.7	11200	1029	65900	1.15	X					455
2.0	9710	889	68200	1.35	X					620
2.2	8550	784	69700	1.50	X					
2.5	7560	695	70800	1.70	X					
2.8	6800	619	71500	1.90	X					
3.2	6110	558	72100	2.1	X					
3.6	5350	489	72700	2.4	X					
2.5	7650	699	54100	1.05	X	R RF RM	137R77 137R77 137R77	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	305
2.9	6630	609	56000	1.20	X					330
										440
2.4	7970	730	53400	1.00	X	R RF RM	137R77 137R77 137R77	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	315
2.8	6830	629	55700	1.15	X					340
3.1	6150	560	56800	1.30	X					450
3.6	5330	490	58000	1.50	X					
4.1	4650	428	58800	1.70	X					
4.6	4190	381	59300	1.90	X					
5.5	3550	323	59900	2.2	X					
6.0	3190	291	60200	2.5	X					
6.9	2790	255	60500	2.9	X					
7.9	2440	223	60700	3.3	X					
5.5	3530	323	33000	1.20	X	R RF RM	107R77 107R77 107R77	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	230
6.2	3110	285	34600	1.40	X					235
7.0	2750	253	35700	1.55	X					325
8.2	2330	214	36400	1.85	X					
5.4	3610	325	32700	1.20	X	R RF RM	107R77 107R77 107R77	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	225
										230
										315
8.4	2290	209	25100	1.30	X	R RF RM	97R57 97R57 97R57	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	155
										175
										225
5.8	3620	203.16	32700	1.20	X	R RF RM	107 107 107	DRN DRN DRN	132S6 132S6 132S6	210
6.8	3070	172.34	34700	1.40	X					215
7.4	2820	158.68	35500	1.50	X					305
8.3	2520	141.83	36100	1.70	X					
7.0	2990	251.15	35000	1.45	X	R RF RM	107 107 107	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	190
7.7	2740	229.95	35700	1.55	X					195
8.7	2420	203.16	36300	1.80	X					285
10	2050	172.34	36700	2.1	X	R RF RM	107 107 107	(E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4	190
11	1890	158.68	36900	2.3	X					195
12	1690	141.83	37100	2.5	X					285
14	1520	127.68	37200	2.8	X					
15	1370	115.63	37300	3.1	X					
17	1220	102.53	37000	3.5	X					
19	1100	92.70	35900	3.9	X					

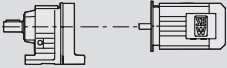
P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					m kg
8.2	2570	216.28	18000	1.15	X	R	97	(E)DRN	100LM4	135
9.5	2220	186.30	22300	1.35	X	RF	97	(E)DRN	100LM4	150
10	2020	170.02	24600	1.50	X	RM	97	(E)DRN	100LM4	200
12	1790	150.78	27100	1.65	X	R	97	(E)DRN	100LM4	135
14	1510	126.75	27600	2.0	X					
15	1380	116.48	27800	2.2	X					
17	1230	103.44	28000	2.4	X					
19	1100	92.48	28100	2.7	X					
21	990	83.15	27800	3.0	X					
24	860	72.17	26700	3.5	X					
27	775	65.21	25900	3.9	X					
29	710	59.92	25300	4.2	X					
33	630	53.21	24400	4.7	X	RF	97	(E)DRN	100LM4	150
37	565	47.58	23600	5.3	X					
14	1480	124.97	13400	1.05	X					
15	1410	118.43*	14500	1.10	X					
17	1230	103.65	17100	1.25	X					
19	1110	93.38	18800	1.40	X					
22	970	81.92	19900	1.60	X					
24	860	72.57	20000	1.80	X	RM	87	(E)DRN	100LM4	92
28	755	63.68*	20000	2.0	X					
29	715	60.35*	20000	2.1	X					
33	625	52.82	20000	2.5	X					
37	565	47.58	19400	2.7	X					
42	495	41.74	18700	3.1	X					
48	435	36.84*	18000	3.5	X					
54	385	32.66*	17400	4.0	X					
51	410	34.40*	17600	3.7	X	R	87	(E)DRN	100LM4	90
56	370	31.40	17200	4.1	X					
63	330	27.84*	16500	4.7	X					
75	275	23.40	15700	5.5	X					
82	255	21.51	15300	5.8	X					
27	780	65.77	10200	1.05	X	RF	87	(E)DRN	100LM4	97
31	685	57.68	11000	1.20	X					
34	620	52.07	11400	1.30	X					
38	545	45.81	11800	1.50	X					
41	515	43.26	12000	1.60	X	RM	77	(E)DRN	100LM4	125
48	435	36.83	12200	1.85	X					
53	395	33.47	11900	2.0	X					
61	345	29.00	11400	2.4	X					
70	300	25.23	11000	2.6	X					
75	275	23.37	10800	2.9	X	R	77	(E)DRN	100LM4	65
82	255	21.43	10500	3.2	X					
94	220	18.80	10100	3.5	X					
99	210	17.82*	9950	3.7	X					
113	186	15.60	9570	4.0	X					
125	168	14.05	9280	4.3	X					
44	475	39.88*	8790	1.20	X	RF	67	(E)DRN	100LM4	64
47	445	37.50	9010	1.25	X					
55	380	32.27	9360	1.40	X					
61	340	28.83	9100	1.50	X					
75	275	23.44	8630	2.0	X	RM	67	(E)DRN	100LM4	70
89	235	19.89	8260	2.5	X					
98	210	17.95	8030	2.8	X					
112	188	15.79	7750	3.0	X					
118	178	14.91	7630	3.1	X					
139	151	12.70	7280	3.4	X					
153	138	11.54	7090	3.6	X					
176	119	10.00	6790	3.9	X					
203	104	8.70*	6520	4.2	X					
226	93	7.79	6320	4.1	X					

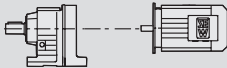
P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					m kg
47	440	37.30*	5020	1.00	X	R RF RM	57	(E)DRN	100LM4	52
50	415	35.07	4980	1.10	X		57	(E)DRN	100LM4	56
58	355	30.18	4880	1.25	X		57	(E)DRN	100LM4	68
65	320	26.97	4790	1.40	X					
80	260	21.93	4610	1.70	X	R RF RM	57	(E)DRN	100LM4	51
95	220	18.60*	4450	2.0	X		57	(E)DRN	100LM4	55
105	200	16.79	4360	2.2	X		57	(E)DRN	100LM4	67
119	176	14.77*	4230	2.5	X					
126	166	13.95*	4170	2.6	X					
148	142	11.88	4010	2.9	X					
163	129	10.79	3920	3.0	X					
188	111	9.35	3770	3.3	X					
194	108	9.06	3750	3.5	X					
221	95	7.97	3630	3.7	X					
161	131	21.93	3930	3.4		R RF RM	57	DRN	90L2	40
190	111	18.60*	3770	4.1			57	DRN	90L2	44
210	100	16.79	3670	4.5			57	DRN	90L2	56
239	88	14.77*	3540	4.9						
253	83	13.95*	3490	5.2						
91	225	19.27	3430	1.30	X	R RF	47	(E)DRN	100LM4	46
109	193	16.22	3330	1.40	X		47	(E)DRN	100LM4	46
121	174	14.56	3260	1.55	X					
140	150	12.54	3160	1.65	X					
149	141	11.79	3110	1.75	X					
174	121	10.15	3010	1.90	X					
194	108	9.07	2930	2.0	X					
220	96	8.01	2840	2.1	X					
227	92	7.76*	2760	1.75	X					
253	83	6.96	2690	1.90	X					
294	72	6.00	2590	2.2	X					
312	67	5.64*	2550	2.3	X					
363	58	4.85	2450	2.6	X					
406	52	4.34	2380	2.8	X					
460	46	3.83	2300	3.1	X					
183	115	19.27	2970	2.6		R RF	47	DRN	90L2	35
217	97	16.22	2850	2.9			47	DRN	90L2	35
242	87	14.56	2770	3.0						
281	75	12.54	2660	3.3						
299	70	11.79	2620	3.5						
347	60	10.15	2520	3.8						
389	54	9.07	2440	4.1						
440	48	8.01	2360	4.3						
113	186	15.60	1840	1.10	X	R RF	37	(E)DRN	100LM4	42
133	158	13.25	2250	1.20	X		37	(E)DRN	100LM4	44
149	141	11.83	2480	1.30	X					
174	121	10.11	2730	1.40	X	R RF	37	(E)DRN	100LM4	42
186	113	9.47	2770	1.50	X		37	(E)DRN	100LM4	44
221	95	7.97	2670	1.65	X					
264	80	6.67	2530	1.80	X					
311	68	5.67	2440	2.1	X					
348	60	5.06	2370	2.2	X					
408	52	4.32	2280	2.5	X					
435	48	4.05	2240	2.5	X					
517	41	3.41	2140	2.8	X					
226	93	15.60	2660	2.1		R RF	37	DRN	90L2	31
266	79	13.25	2560	2.4			37	DRN	90L2	33
298	71	11.83	2490	2.6						

P_m = 2.2 kW								m kg
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®			
349	60	10.11	2400	2.8				
372	56	9.47	2360	3.0				
442	48	7.97	2250	3.3				
529	40	6.67	2130	3.6				
622	34	5.67	2040	4.2		R	37	31
697	30	5.06	1980	4.5		RF	37	33
816	26	4.32	1890	4.9			DRN	
871	24	4.05	1850	5.1			DRN	
1035	20	3.41	1760	5.5			90L2	
							90L2	
174	121	10.13	1550	1.00	X			
267	79	6.59	1470	1.35	X			
315	67	5.60*	1550	1.50	X	R	27	37
352	60	5.00*	1520	1.60	X	RF	27	37
413	51	4.27	1470	1.70	X		(E)DRN	100LM4
440	48	4.00*	1450	1.80	X		(E)DRN	100LM4
523	40	3.37	1400	1.95	X			
265	79	13.28*	1650	1.65				
297	71	11.86	1620	1.85				
348	60	10.13	1570	2.0				
535	39	6.59	1390	2.7		R	27	25
629	33	5.60*	1340	3.0		RF	27	25
705	30	5.00*	1300	3.2			DRN	90L2
825	25	4.27	1250	3.4			DRN	90L2
881	24	4.00*	1230	3.6				
1045	20	3.37	1180	3.9				
373	56	4.73	4860	2.2	X			
436	48	4.04*	4630	3.0	X			
476	44	3.70	4520	3.5	X			
542	39	3.25*	4340	4.7	X			
572	37	3.08*	4270	5.3	X	RX	77	55
654	32	2.70	4100	6.7	X	RXF	77	57
726	29	2.43	3970	7.4	X		(E)DRN	100LM4
827	25	2.13	3810	7.9	X		(E)DRN	100LM4
937	22	1.88*	3660	8.3	X			
1055	20	1.67	3530	8.7	X			
1240	17	1.42	3350	9.1	X			
467	45	3.77	3090	1.95	X			
551	38	3.20*	2950	2.6	X			
610	34	2.89	2860	3.1	X			
693	30	2.54	2760	3.9	X	RX	67	45
734	29	2.40*	2710	4.3	X	RXF	67	49
862	24	2.04	2590	5.5	X		(E)DRN	100LM4
949	22	1.86	2510	5.7	X		(E)DRN	100LM4
1095	19	1.61	2410	5.9	X			
1260	17	1.40*	2300	6.2	X			
562	37	3.14	2320	1.75	X			
667	31	2.64*	2210	2.2	X			
743	28	2.37	2150	2.4	X			
863	24	2.04	2060	2.8	X	RX	57	43
918	23	1.92*	2020	3.0	X	RXF	57	45
1065	20	1.65	1940	3.5	X		(E)DRN	100LM4
1195	18	1.48	1880	3.9	X		(E)DRN	100LM4
1350	16	1.30	1810	4.0	X			

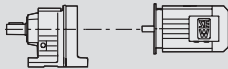
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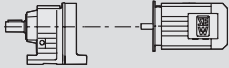
P _m = 2.2 kW															
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg					
1.2	14500	1441	109000	1.25	X	FA	157R97	(E)DRN	100LM4	790					
						FAF	157R97	(E)DRN	100LM4	850					
						F	157R97	(E)DRN	100LM4	810					
						FF	157R97	(E)DRN	100LM4	920					
1.4	14100	1308	110000	1.25	X	FA FAF F FF	157R97 157R97 157R97 157R97	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	790 850 810 920					
1.5	12500	1169	113100	1.45	X										
1.9	10000	953	117100	1.80	X										
2.1	8860	845	118700	2.0	X										
2.3	7940	764	119800	2.3	X										
2.6	7060	680	120000	2.5	X										
3.1	5900	576	120000	3.0	X										
4.0	4680	446	120000	3.8	X										
5.8	3170	302	120000	5.7	X										
6.5	2840	273	120000	6.3	X										
7.6	2370	232	120000	7.6	X										
9.0	2010	197	120000	8.9	X										
1.6	11800	1077	90000	1.00	X	FA FAF F FF	127R77 127R77 127R77 127R77	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	455 490 490 530					
1.9	10100	930	90000	1.20	X										
2.1	8940	820	90000	1.35	X										
2.4	7900	727	90000	1.50	X										
2.7	7110	648	90000	1.70	X										
3.2	6030	549	90000	2.0	X										
3.6	5420	495	90000	2.2	X										
4.1	4690	428	90000	2.6	X										
2.8	7030	640	51500	1.10	X	FA FAF F FF	107R77 107R77 107R77 107R77	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	300 325 320 345					
3.1	6090	560	53800	1.25	X										
3.6	5320	489	55600	1.45	X										
4.0	4780	436	56800	1.60	X										
4.8	4060	370	58300	1.90	X										
5.3	3650	333	59100	2.1	X										
6.2	3140	285	33000	1.35	X	FA FAF F FF	97R57 97R57 97R57 97R57	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	210 235 220 250					
7.2	2700	245	34000	1.60	X										
4.6	4530	254.40*	57300	1.70											
5.5	3830	215.37	58800	2.0											
5.9	3550	199.31	59300	2.2		FA FAF F FF	107 107 107 107	DRN DRN DRN DRN	132S6 132S6 132S6 132S6	285 305 300 325					
6.6	3180	178.64	60000	2.4											
6.9	3030	254.40*	60300	2.5	X										
8.2	2560	215.37	61200	3.0	X										
8.8	2370	199.31	61500	3.2	X	FA FAF F FF	107 107 107 107	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	265 285 280 305					
9.9	2120	178.64	62000	3.6	X										
5.3	3980	223.88	30800	1.10											
6.2	3380	189.92	32400	1.25											
6.7	3110	174.87	33000	1.40		FA FAF F FF	97 97 97 97	DRN DRN DRN DRN	132S6 132S6 132S6 132S6	210 230 215 250					
7.5	2780	156.30	33800	1.55											
6.4	3290	276.77	32600	1.30	X										
7.0	3020	253.41	33300	1.40	X										
7.9	2660	223.88	34000	1.60	X	FA FAF F FF	97 97 97 97	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	190 210 195 230					
9.3	2260	189.92	34900	1.90	X										
10	2080	174.87	35200	2.1	X										
11	1860	156.30	35600	2.3	X										
13	1670	140.71	36000	2.6	X										
14	1510	127.42	36200	2.8	X										
8.9	2350	197.20	25300	1.30	X						FA FAF F FF	87 87 87 87	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	125 135 130 145
9.8	2140	179.97	26000	1.40	X										
11	1900	159.61	26700	1.60	X										
13	1590	134.16	27600	1.90	X										

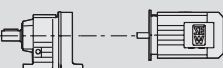
P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					m kg
14	1470	123.29	27900	2.0	X	FA FAF F FF	87	(E)DRN	100LM4	125
16	1300	109.49	28300	2.3	X					
18	1160	97.89	28000	2.6	X					
20	1040	88.01	27300	2.9	X					
23	910	76.39	26400	3.3	X					
26	810	68.40	25700	3.7	X					
31	675	56.75	24500	4.4	X					
35	600	50.36	23700	4.9	X					
39	535	45.28	23100	5.2	X	FA FAF F FF	77	(E)DRN	100LM4	84
15	1360	114.45	16600	1.10	X					
16	1290	108.46*	17000	1.15	X					
19	1130	94.93	17800	1.35	X					
21	1010	85.52	18200	1.45	X					
23	890	75.02	18700	1.70	X					
27	790	66.46	19000	1.90	X					
30	695	58.32	19300	2.2	X					
32	655	55.27	19400	2.3	X					
36	575	48.37	19500	2.6	X					
40	515	43.58	19700	2.9	X					
48	435	36.58	19800	2.5	X	FA FAF F FF	77	(E)DRN	100LM4	83
56	375	31.51	19900	3.7	X					
61	340	28.75	19900	4.2	X					
69	300	25.50*	20000	4.9	X					
29	725	61.07	11100	1.15	X					
33	640	53.73	11700	1.30	X					
35	600	50.74	11900	1.35	X					
41	515	43.20	12300	1.60	X					
45	465	39.26	12500	1.65	X	FA FAF F FF	67	(E)DRN	100LM4	61
52	405	34.01	12800	1.80	X					
55	380	32.08	12900	2.1	X					
64	325	27.41	13000	2.5	X					
70	295	25.13	13000	2.7	X					
80	260	22.05	13000	3.1	X					
84	245	20.90*	13000	3.3	X					
96	215	18.29	13000	3.8	X					
39	530	44.73	8620	1.10	X	FA FAF F FF	57	(E)DRN	100LM4	57
46	455	38.21	8480	1.30	X					
49	425	35.79	8400	1.40	X					
58	355	30.15	8200	1.65	X					
71	295	24.96	7930	1.95	X					
83	250	21.17	7680	2.4	X					
92	225	19.11	7520	2.6	X					
105	200	16.81	7310	3.0	X					
111	189	15.88	7220	3.2	X	FA FAF F FF	57	(E)DRN	100LM4	56
68	305	25.72	5500	1.30	X					
81	260	21.82	5410	1.55	X					
89	230	19.70	5340	1.70	X					
102	205	17.33	5240	1.95	X					
108	195	16.36	5200	2.0	X					
126	166	13.93	5050	2.4	X					
139	151	12.66	4960	2.6	X					
161	131	10.97	4820	3.1	X	FA FAF F FF	47	(E)DRN	100LM4	49
197	107	8.96	4530	3.1	X					
68	305	25.72	5500	1.30	X					
81	260	21.82	5410	1.55	X					
89	230	19.70	5340	1.70	X					
102	205	17.33	5240	1.95	X					
108	195	16.36	5200	2.0	X					
126	166	13.93	5050	2.4	X					
139	151	12.66	4960	2.6	X					
161	131	10.97	4820	3.1	X					
197	107	8.96	4530	3.1	X					

P _m = 2.2 kW										
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg
123	171	14.33	2820	1.15	X					
137	153	12.87	2810	1.30	X					
159	132	11.08	2790	1.45	X					
169	124	10.42	2780	1.50	X					
196	107	8.97	2730	1.65	X	FA	37	(E)DRN	100LM4	44
220	96	8.01	2690	1.80	X	FAF	37	(E)DRN	100LM4	46
261	80	6.74	2550	1.75	X	F	37	(E)DRN	100LM4	45
291	72	6.05	2510	1.85	X	FF	37	(E)DRN	100LM4	47
338	62	5.21	2450	2.0	X					
360	58	4.90	2420	2.0	X					
418	50	4.22	2350	2.2	X					
468	45	3.77	2300	2.3	X					
216	97	16.28	1730	1.35						
255	82	13.84	1720	1.60						
285	74	12.35	1710	1.75						
334	63	10.55	1680	2.1		FA	27	DRN	90L2	27
357	59	9.88	1670	2.2		FAF	27	DRN	90L2	28
434	48	8.13	1580	2.5		F	27	DRN	90L2	28
510	41	6.91	1540	2.8		FF	27	DRN	90L2	28
572	37	6.17	1510	3.0						
669	31	5.27	1470	3.2						
715	29	4.93	1450	3.3						
848	25	4.16	1400	3.5						

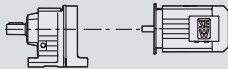
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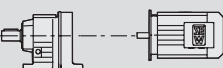
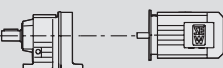
P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					
0.40	45300	4370	190000	1.10	X	K	187R97	(E)DRN	100LM4	1790
0.63	28200	2818	190000	1.75	X	KH	187R97	(E)DRN	100LM4	1720
0.49	38900	3609	190000	1.30	X	K KH	187R97 187R97	(E)DRN (E)DRN	100LM4 100LM4	1790 1720
0.58	32900	3062	190000	1.50	X					
0.70	26800	2519	190000	1.85	X					
0.78	23900	2268	190000	2.1	X					
0.86	21500	2054	190000	2.3	X					
0.97	18900	1821	190000	2.6	X					
1.1	16800	1605	190000	3.0	X					
0.64	28900	2755	150000	1.10	X	K	167R97	(E)DRN	100LM4	1210
0.78	23000	2263	150000	1.40	X	KH	167R97	(E)DRN	100LM4	1170
0.81	23500	2182	150000	1.35	X	K KH	167R97 167R97	(E)DRN (E)DRN	100LM4 100LM4	1210 1170
1.0	18200	1704	150000	1.75	X					
1.2	15100	1408	150000	2.1	X					
1.4	13800	1296	150000	2.3	X					
1.6	11400	1101	150000	2.8	X					
1.9	9920	944	150000	3.2	X					
1.1	17800	1659	112300	1.00	X	K KF KA KAF	157R97 157R97 157R97 157R97	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	810 890 780 830
1.3	14500	1365	113700	1.25	X					
1.4	13000	1229	114300	1.40	X					
1.6	11500	1093	114800	1.55	X					
1.9	9970	942	115300	1.80	X					
2.1	8960	854	115500	2.0	X					
2.3	7680	756	115800	2.3	X					
3.3	5680	536	82100	2.3	X	K KF KA KAF	127R87 127R87 127R87 127R87	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	520 560 490 530
3.7	4950	473	82300	2.6	X					
4.2	4480	418	82400	2.9	X					
4.8	3940	367	82500	3.3	X					
5.3	3520	330	82600	3.7	X					
1.7	11200	1025	80100	1.15	X	K KF KA KAF	127R77 127R77 127R77 127R77	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	495 540 470 510
2.0	9830	899	80700	1.30	X					
2.2	8520	790	81300	1.50	X					
2.5	7670	704	81600	1.70	X					
2.9	6620	610	81900	1.95	X					
3.2	5970	549	82100	2.2	X					
3.7	5150	477	82300	2.5	X					
4.2	4550	418	82400	2.9	X					
2.9	6670	615	65000	1.20	X	K KF KA KAF	107R77 107R77 107R77 107R77	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	335 350 310 335
3.4	5660	522	65000	1.40	X					
3.8	4980	461	65000	1.60	X					
4.3	4400	408	65000	1.80	X					
4.8	3960	364	65000	2.0	X					
5.5	3460	318	65000	2.3	X					
6.2	3110	286	65000	2.6	X					
7.0	2720	251	65000	2.9	X					
4.6	4190	382	40000	1.05	X	K KF KA KAF	97R57 97R57 97R57 97R57	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	205 225 190 215
5.2	3720	342	40000	1.15	X					
5.8	3380	305	40000	1.25	X					
6.8	2850	258	40000	1.50	X					
7.6	2560	232	40000	1.65	X					
8.8	2200	199	40000	1.95	X					
9.5	2200	123.93*	40000	1.95		K KF KA KAF	97 97 97 97	DRN DRN DRN DRN	132S6 132S6 132S6 132S6	205 225 185 210
11	1870	105.13	40000	2.3		K KF KA KAF	97 97 97 97	DRN DRN DRN DRN	132S6 132S6 132S6 132S6	205 225 185 210

P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					m kg
10	2090	176.05*	40000	2.0	X	K	97	(E)DRN	100LM4	185
12	1820	153.21*	40000	2.4	X	KF	97	(E)DRN	100LM4	205
13	1670	140.28	40000	2.6	X	KA	97	(E)DRN	100LM4	165
14	1470	123.93*	40000	2.9	X	KAF	97	(E)DRN	100LM4	190
17	1250	105.13	40000	3.4	X	K	97	(E)DRN	100LM4	185
18	1150	96.80	40000	3.7	X	KF	97	(E)DRN	100LM4	205
						KA	97	(E)DRN	100LM4	165
						KAF	97	(E)DRN	100LM4	190
12	1750	147.32*	28300	1.55	X	K	87	(E)DRN	100LM4	125
14	1510	126.91*	28500	1.80	X	KF	87	(E)DRN	100LM4	135
15	1380	115.82	28600	1.95	X	KA	87	(E)DRN	100LM4	110
						KAF	87	(E)DRN	100LM4	125
17	1220	102.71*	28700	2.2	X	K	87	(E)DRN	100LM4	125
20	1020	86.34	28800	2.6	X	KF	87	(E)DRN	100LM4	135
22	940	79.34	28800	2.9	X	KA	87	(E)DRN	100LM4	110
25	840	70.46	28900	3.2	X	KAF	87	(E)DRN	100LM4	125
28	750	63.00*	28900	3.6	X					
16	1350	113.56	16600	1.15	X	K	77	(E)DRN	100LM4	88
18	1150	97.05	17600	1.35	X	KF	77	(E)DRN	100LM4	96
20	1060	88.97	18100	1.45	X	KA	77	(E)DRN	100LM4	80
23	930	78.07	18600	1.65	X	KAF	77	(E)DRN	100LM4	88
24	880	73.99	18700	1.75	X					
27	770	64.75	19100	2.0	X					
30	695	58.34	19300	2.2	X	K	77	(E)DRN	100LM4	88
34	610	51.18	19500	2.5	X	KF	77	(E)DRN	100LM4	96
39	535	45.16	19600	2.9	X	KA	77	(E)DRN	100LM4	80
44	475	40.04	19700	3.2	X	KAF	77	(E)DRN	100LM4	88
50	415	35.20	19800	3.7	X					
57	365	30.89	19900	4.2	X					
60	345	29.27	19900	4.4	X					
69	305	25.62	20000	5.1	X					
29	720	60.66	11100	1.15	X	K	67	(E)DRN	100LM4	63
31	680	57.28	11400	1.20	X	KF	67	(E)DRN	100LM4	69
36	580	48.77	12000	1.40	X	KA	67	(E)DRN	100LM4	60
40	525	44.32	12300	1.55	X	KAF	67	(E)DRN	100LM4	66
46	455	38.39	12600	1.75	X					
49	420	35.62	12700	1.95	X					
58	360	30.22	12900	2.3	X					
65	325	27.28	13000	2.5	X	K	67	(E)DRN	100LM4	63
73	285	24.00	13000	2.8	X	KF	67	(E)DRN	100LM4	69
78	270	22.66	13000	2.9	X	KA	67	(E)DRN	100LM4	60
91	230	19.30	13000	3.3	X	KAF	67	(E)DRN	100LM4	66
101	205	17.54	13000	3.5	X					
116	181	15.19	13000	3.9	X					
133	158	13.22	13000	4.2	X					
141	149	12.48	13000	3.6	X					
166	127	10.63	13000	4.0	X					
182	115	9.66	12900	4.2	X					
211	100	8.37	12500	4.4	X					
242	87	7.28	12000	4.8	X					
339	62	5.20	11000	5.6	X					
40	525	44.43	8190	1.15	X	K	57	(E)DRN	100LM4	57
46	455	38.49	8260	1.30	X	KF	57	(E)DRN	100LM4	62
49	425	35.70	8200	1.40	X	KA	57	(E)DRN	100LM4	55
58	360	30.28	8040	1.65	X	KAF	57	(E)DRN	100LM4	61

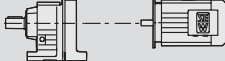
P _m = 2.2 kW										
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg
64	325	27.34	7920	1.85	X	K KF KA KAF	57 57 57 57	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	57 62 55 61
73	285	24.05	7760	2.1	X					
78	270	22.71	7680	2.2	X					
91	230	19.34	7450	2.5	X					
100	205	17.57	7310	2.6	X					
116	182	15.22	7080	3.0	X					
133	158	13.25	6860	3.2	X					
148	142	11.92	6570	2.9	X					
157	134	11.26	6480	3.1	X					
46	450	37.98	6850	1.10	X	K KF KA KAF	49 49 49 49	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	63 64 60 65
51	415	34.81	6830	1.20	X					
58	360	30.55	6780	1.35	X					
61	345	28.95	6750	1.45	X					
70	300	25.34	6660	1.65	X					
77	270	22.83	6570	1.85	X					
88	235	20.03	6450	2.1	X					
100	210	17.67	6320	2.4	X					
112	187	15.67	6180	2.6	X					
132	159	13.38	5990	3.0	X					
155	135	11.37	6130	3.6	X					
169	124	10.42	5990	3.9	X					
193	109	9.14	5780	4.6	X					
68	305	25.91	5260	1.30	X	K KF KA KAF	47 47 47 47	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	51 55 50 53
104	200	16.86	5060	1.90	X	K KF KA KAF	47 47 47 47	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	51 55 50 53
111	189	15.86	5020	2.0	X					
129	163	13.65	4910	2.2	X					
145	145	12.19	4810	2.4	X					
150	140	11.77	4720	2.0	X					
167	126	10.56	4630	2.2	X					
194	108	9.10	4490	2.6	X					
72	290	24.40	4820	1.05	X	K KF KA KAF	39 39 39 39	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	50 52 49 51
76	270	23.04	4820	1.10	X					
90	230	19.62	4800	1.25	X					
99	210	17.83	4770	1.35	X					
114	184	15.44	4700	1.50	X					
131	160	13.44	4620	1.70	X					
166	127	10.61	4820	2.2	X					
196	107	9.00	4640	2.8	X					
217	97	8.12	4520	3.1	X					
246	85	7.15	4380	3.5	X					
261	80	6.75	4310	3.7	X					
307	69	5.75	4130	4.0	X					
337	62	5.22	4020	4.2	X					
389	54	4.52	3870	4.5	X					
447	47	3.94	3720	4.6	X					
135	156	13.08	2420	1.05	X	K KF KA KAF	37 37 37 37	(E)DRN (E)DRN (E)DRN (E)DRN	100LM4 100LM4 100LM4 100LM4	45 47 44 46
168	125	10.49	2440	1.30	X					
198	106	8.91	2420	1.50	X					
221	95	7.96	2400	1.65	X					
259	81	6.80	2360	1.85	X					
277	76	6.37	2340	1.90	X					
329	64	5.36	2280	2.2	X					
443	47	3.98	2150	2.6	X					

S..(E)DRN100LM4

P_m = 2.2 kW										
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B	HazLoc -NA®					m kg
4.2	3970	420	33200	1.05	X	S SF SA SAF	97R57	(E)DRN	100LM4	195
4.7	3590	376	34000	1.15	X					230
5.4	3150	327	34700	1.35	X					190
6.1	2780	287	35300	1.50	X					215
7.0	2430	252	35700	1.70	X	S SF SA SAF	97	DRN	132S6	190
5.1	3030	231.67	34900	1.40						225
6.0	2600	196.52	35500	1.60						185
										215
6.2	2540	286.40*	35600	1.55	X	S SF SA SAF	97	(E)DRN	100LM4	170
6.7	2340	262.22	35800	1.70	X					205
7.6	2090	231.67	36100	1.90	X					165
9.0	1790	196.52	36300	2.1	X					195
9.7	1660	180.95	36500	2.3	X					
11	1490	161.74	36600	2.4	X					
12	1350	145.60*	36700	2.6	X					
13	1230	131.85	36800	2.8	X					
15	1100	116.92	36800	3.0	X					
17	1000	105.71	36900	3.2	X					
20	850	89.60*	36900	3.5	X					
6.8	2220	258.18	28000	1.00	X	S SF SA SAF	87	(E)DRN	100LM4	115
7.9	1940	222.40*	28500	1.15	X					135
8.7	1780	202.96	28800	1.20	X					110
9.8	1600	180.00*	29000	1.35	X					125
12	1360	151.30	29300	1.50	X					
13	1250	139.05	29400	1.60	X					
14	1120	123.48	29600	1.75	X					
16	1010	110.40*	29700	1.85	X					
18	910	99.26	29800	2.0	X					
20	800	86.15	29800	2.2	X					
22	850	81.76	29800	1.85	X					
23	720	77.14	29900	2.4	X					
25	740	70.43	29900	2.2	X					
27	675	64.27	29900	2.4	X					
31	600	57.00*	30000	2.6	X					
14	1120	130.00*	12900	1.05	X	S SF SA SAF	77	(E)DRN	100LM4	77
14	1070	123.20*	13300	1.05	X					87
16	940	107.83	14100	1.15	X					77
18	860	97.14	13900	1.25	X					83
21	760	85.22	13600	1.40	X					
23	675	75.20*	13300	1.50	X					
26	605	66.67	12900	1.60	X					
28	650	63.03	12000	1.70	X					
31	520	56.92	12500	1.75	X					
33	555	53.87	11700	1.95	X					
36	510	49.38	11500	2.1	X					
41	450	43.33	11200	2.4	X					
43	430	41.07	11100	2.5	X					
49	375	35.94	10800	2.8	X					
54	340	32.38	10500	3.0	X					
62	300	28.41	10200	3.3	X					
70	265	25.07	9910	3.6	X					
77	250	22.89	9180	2.8	X					
84	230	20.99	9010	3.1	X					

P _m = 2.2 kW										
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg
38	460	46.40*	7370	1.05	X					
42	415	41.89	7300	1.15	X					
48	370	36.85	7180	1.30	X					
51	350	34.80*	7120	1.35	X					
59	300	29.63	6950	1.60	X					
65	270	26.93	6830	1.65	X					
76	235	23.33	6650	1.70	X					
86	220	20.37	5980	1.55	X					
102	188	17.28*	5840	1.80	X					
113	170	15.60*	5730	2.0	X					
128	150	13.73*	5600	2.3	X					
136	142	12.96*	5540	2.4	X					
160	121	11.03	5350	2.8	X					
176	110	10.03	5240	2.9	X					
203	96	8.69	5070	2.9	X					
124	153	14.24	4610	1.10	X					
146	130	12.10*	4500	1.30	X					
163	117	10.80*	4420	1.45	X					
191	100	9.23*	4300	1.50	X					
204	94	8.64*	4250	1.50	X					
242	79	7.28	4100	1.55	X					
275	70	6.40*	3960	1.40	X					
327	60	5.39	3810	1.60	X					
370	53	4.76	3700	1.60	X					
440	44	4.00*	3540	1.60	X					

W..(E)DRN100LM4

P _m = 2.2 kW										
n _a min ⁻¹	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B	HazLoc -NA®					m kg
123	153	14.35	3550	1.05	X					
131	144	13.44	3530	1.10	X					
156	122	11.32	3480	1.30	X					
205	98	8.61	3690	1.10	X	W	47	(E)DRN	100LM4	45
241	84	7.32	3560	1.30	X	WF	47	(E)DRN	100LM4	45
270	75	6.53	3460	1.45	X	WA	47	(E)DRN	100LM4	43
316	64	5.58	3330	1.70	X	WAF	47	(E)DRN	100LM4	44
337	60	5.23	3280	1.85	X					
400	51	4.40	3140	2.2	X					
453	45	3.89	3040	2.5	X					
539	38	3.27	2900	2.9	X					

Supplement/revision

The new motor size (E)DRN100LM4

1.1.3 Technical data (E)DRN100LM4

DRN100LM4, 380 V, 60 Hz, 4-pole, S1

Motor data

Motor type DRN..	P _N		M _N	n _N	I _N 380 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DRN100LM4	2.2	3	11.9	1762	5.1	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type DRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	— 3700	28	38	96.7

DRN100LM4, 440 V, 60 Hz, 4-pole, S1

Motor data

Motor type DRN..	P _N		M _N	n _N	I _N 440 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DRN100LM4	2.2	3	11.9	1762	4.4	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type DRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	— 3700	28	38	96.7

DRN100LM4, 460 V, 60 Hz, 4-pole, S1

Motor data

Motor type DRN..	P _N		M _N	n _N	I _N 460 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DRN100LM4	2.2	3	11.9	1762	4.2	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type DRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	— 3700	28	38	96.7

DRN100LM4, 575 V, 60 Hz, 4-pole, S1

Motor data

Motor type DRN..	P _N		M _N	n _N	I _N 575 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DRN100LM4	2.2	3	11.9	1762	3.4	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type DRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	— 3700	28	38	96.7

HazLoc-NA® EDRN100LM4, 460 V, 60 Hz, 4-pole, S1

Motor data

Motor type EDRN..	P _N		M _N	n _N	I _N 460 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp										
EDRN100LM4	2.2	3	11.9	1762	4.2	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type EDRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp									
EDRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	590	28	39	96.7

HazLoc-NA® EDRN100LM4, 575 V, 60 Hz, 4-pole, S1

Motor data

Motor type EDRN..	P _N		M _N	n _N	I _N 575 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp										
EDRN100LM4	2.2	3	11.9	1762	3.4	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2

Further information on the motor and brakemotor

Motor type EDRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp									
EDRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	590	28	39	96.7

1.2 Technical data DR63..., DRS71..., 60 Hz, 6-pole, S1

1.2.1 DR63..., DRS71..., 380 V, 60 Hz, 6-pole, S1

Information on motors

Motor	P _N		M _N	n _N	I _N 380 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DR63S6	0.09	0.12	0.77	1110	0.40	0.64	–	–	52.8	2.95	2.3 2.3	2.6
DR63M6	0.12	0.16	1.03	1110	0.59	0.67	–	–	50.2	2.9	2.7 2.6	2.8
DR63L6	0.18	0.25	1.56	1100	0.82	0.65	–	–	53.8	2.9	2.5 2.5	2.6
DRS71S6	0.18	0.25	1.56	1100	0.57	0.71	–	–	67.9	3.2	1.7 1.7	2.0
DRS71S6	0.25	0.33	2.15	1100	0.79	0.71	64.2	68.2	67.9	2.9	1.7 1.7	2.0
DRS71M6	0.37	0.5	3.2	1100	1.09	0.72	67.8	71.3	70.9	3.5	1.9 1.9	2.1

Further information on motors and brakemotors

Motor	P _N		M _N	n _N	m _{Mot}	J _{mot}	BR.. BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DR63S6	0.09	0.12	0.77	1110	6.1	5.4	BR03	16000 –	2.5	7.6	6.6
DR63M6	0.12	0.16	1.03	1110	6.1	5.4	BR03	16000 –	3.2	7.6	6.6
DR63L6	0.18	0.25	1.56	1100	6.7	6.8	BR03	16000 –	3.2	8.2	8.0
DRS 71S 6	0.18	0.25	1.56	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71S 6	0.25	0.33	2.15	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71M 6	0.37	0.5	3.2	1100	9	11.9	BE1	5280 12000	10	12	13.2

1.2.2 DR63..., DRS71..., 440 V, 60 Hz, 6-pole, S1

Information on motors

Motor	P _N		M _N	n _N	I _N 440 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DR63S6	0.09	0.12	0.77	1110	0.35	0.64	–	–	52.8	2.95	2.3 2.3	2.6
DR63M6	0.12	0.16	1.03	1110	0.51	0.67	–	–	50.2	2.9	2.7 2.6	2.8
DR63L6	0.18	0.25	1.56	1100	0.71	0.65	–	–	53.8	2.9	2.5 2.5	2.6
DRS71S6	0.18	0.25	1.56	1100	0.50	0.71	–	–	67.9	3.2	1.7 1.7	2.0
DRS71S6	0.25	0.33	2.15	1100	0.68	0.71	64.2	68.2	67.9	2.9	1.7 1.7	2.0
DRS71M6	0.37	0.5	3.2	1100	0.94	0.72	67.8	71.3	70.9	3.5	1.9 1.9	2.1

Further information on motors and brakemotors

Motor	P _N		M _N	n _N	m _{Mot}	J _{mot}	BR.. BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DR63S6	0.09	0.12	0.77	1110	6.1	5.4	BR03	16000 –	2.5	7.6	6.6
DR63M6	0.12	0.16	1.03	1110	6.1	5.4	BR03	16000 –	3.2	7.6	6.6
DR63L6	0.18	0.25	1.56	1100	6.7	6.8	BR03	16000 –	3.2	8.2	8.0
DRS 71S 6	0.18	0.25	1.56	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71S 6	0.25	0.33	2.15	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71M 6	0.37	0.5	3.2	1100	9	11.9	BE1	5280 12000	10	12	13.2

1.2.3 DR63..., DRS71..., 460 V, 60 Hz, 6-pole, S1

Information on motors

Motor	P _N		M _N	n _N	I _N 460 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DR63S6	0.09	0.12	0.77	1110	0.33	0.64	–	–	52.8	2.95	2.3 2.3	2.6
DR63M6	0.12	0.16	1.03	1110	0.49	0.67	–	–	50.2	2.9	2.7 2.6	2.8
DR63L6	0.18	0.25	1.56	1100	0.68	0.65	–	–	53.8	2.9	2.5 2.5	2.6
DRS71S6	0.18	0.25	1.56	1100	0.48	0.71	–	–	67.9	3.2	1.7 1.7	2.0
DRS71S6	0.25	0.33	2.15	1100	0.65	0.71	64.2	68.2	67.9	2.9	1.7 1.7	2.0
DRS71M6	0.37	0.5	3.2	1100	0.9	0.72	67.8	71.3	70.0	3.5	1.9 1.9	2.1

Further information on motors and brakemotors

Motor	P _N		M _N	n _N	m _{Mot}	J _{mot}	BR.. BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DR63S6	0.09	0.12	0.77	1110	6.1	5.4	BR03	16000 –	2.5	7.6	6.6
DR63M6	0.12	0.16	1.03	1110	6.1	5.4	BR03	16000 –	3.2	7.6	6.6
DR63L6	0.18	0.25	1.56	1100	6.7	6.8	BR03	16000 –	3.2	8.2	8.0
DRS 71S 6	0.18	0.25	1.56	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71S 6	0.25	0.33	2.15	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71M 6	0.37	0.5	3.2	1100	9	11.9	BE1	5280 12000	10	12	13.2

1.2.4 DR63..., DRS71..., 575 V, 60 Hz, 6-pole, S1

Information on motors

Motor	P _N		M _N	n _N	I _N 575 V A	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹			%	%	%			
DR63M6	0.12	0.16	1.03	1110	0.39	0.67	–	–	50.2	2.9	2.7 2.6	2.8
DR63L6	0.18	0.25	1.56	1100	0.54	0.65	–	–	53.8	2.9	2.5 2.5	2.6
DRS71S6	0.18	0.25	1.56	1100	0.38	0.71	–	–	67.9	3.2	1.7 1.7	2.0
DRS71S6	0.25	0.33	2.15	1100	0.52	0.71	64.2	68.2	67.9	2.9	1.7 1.7	2.0
DRS71M6	0.37	0.5	3.2	1100	0.72	0.72	67.8	71.3	70.0	3.5	1.9 1.9	2.1

Further information on motors and brakemotors

Motor	P _N		M _N	n _N	m _{Mot}	J _{mot}	BR.. BE..	Z ₀ BG BGE h ⁻¹	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²			Nm	kg	10 ⁻⁴ kgm ²
DR63M6	0.12	0.16	1.03	1110	6.1	5.4	BR03	16000 –	3.2	7.6	6.6
DR63L6	0.18	0.25	1.56	1100	6.7	6.8	BR03	16000 –	3.2	8.2	8.0
DRS 71S 6	0.18	0.25	1.56	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71S 6	0.25	0.33	2.15	1100	7.9	8.29	BE05	5600 12800	5	10	9.59
DRS 71M 6	0.37	0.5	3.2	1100	9	11.9	BE1	5280 12000	10	12	13.2

1.3 Technical data of the DRN..., 460 V, 60 Hz, 4-pole, S1

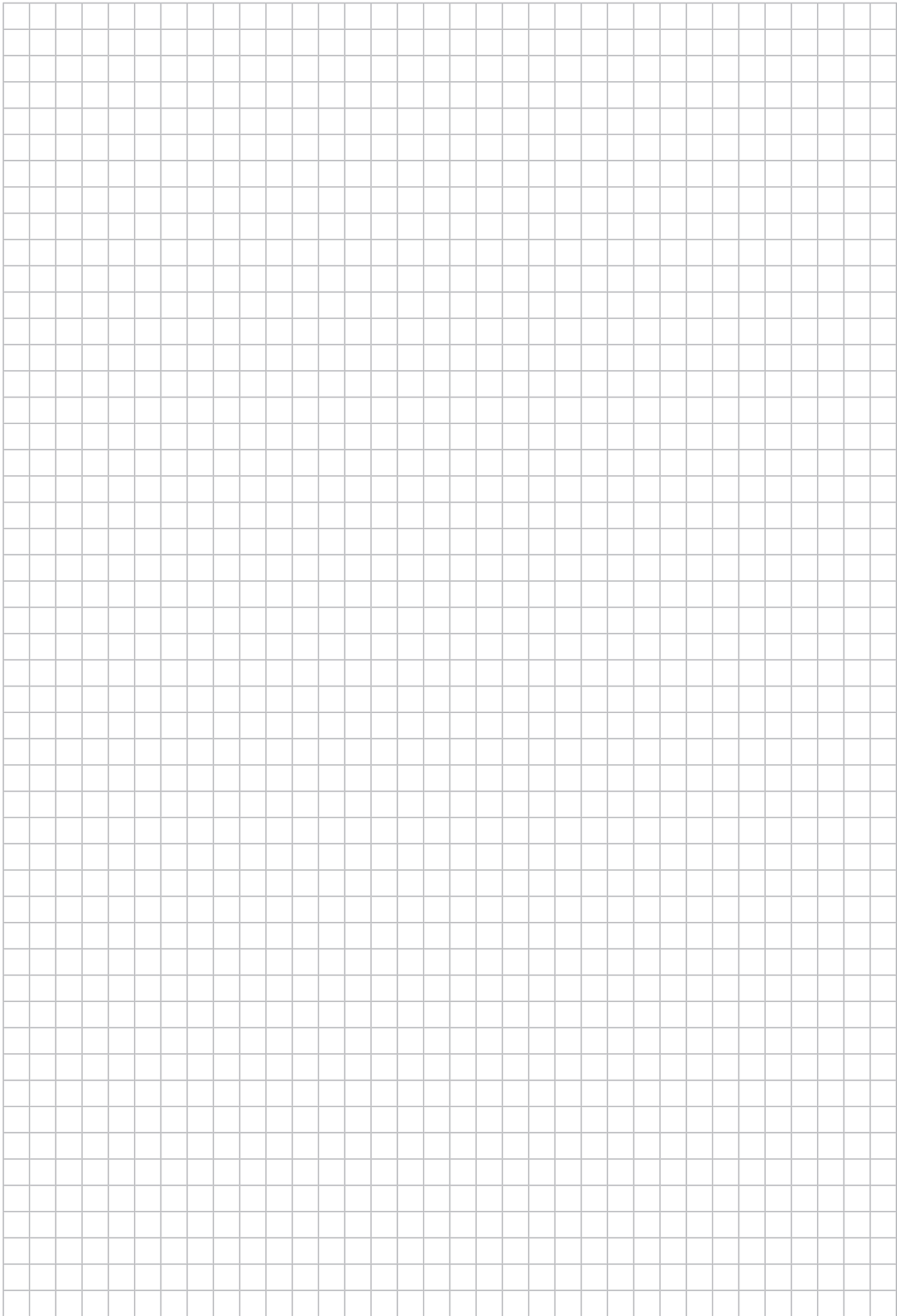
1.3.1 DRN..., 460 V, 60 Hz, 4-pole, S1

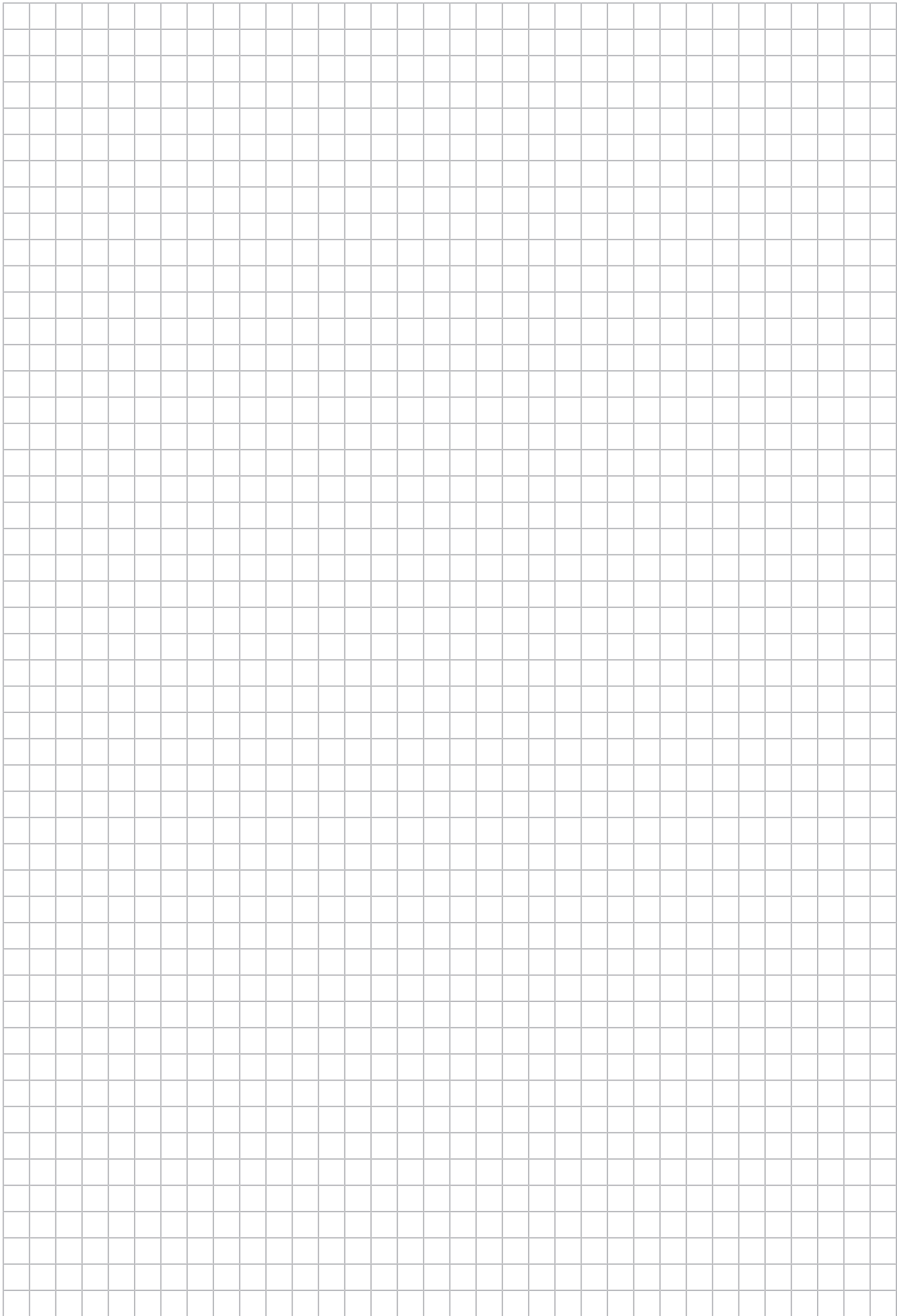
Information on motors

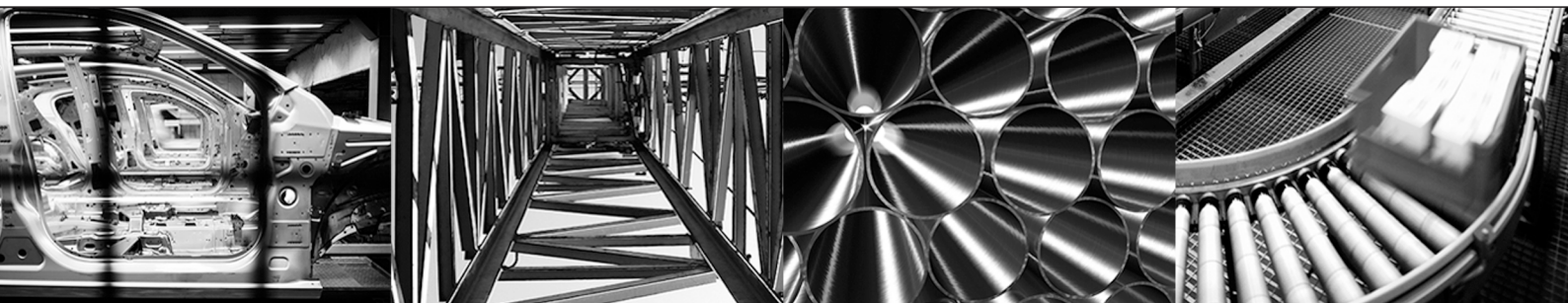
Motor type DRN..	P _N		M _N	n _N	I _N 460 V	cosφ	η _{50%}	η _{75%}	η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	M _K /M _N
	kW	hp	Nm	min ⁻¹	A		%	%	%			
DRN80M4	0.75	1.0	4.1	1751	1.56	0.70	82.0	84.9	85.5	8.1	3.7 3.0	4.2
DRN90S4	1.1	1.5	6	1762	2.3	0.69	83.5	86.1	86.5	8.2	3.3 2.3	4.0
DRN90L4	1.5	2	8.1	1767	3	0.70	83.8	86.1	86.5	9.1	3.3 1.9	4.0
DRN100LM4	2.2	3	11.9	1762	4.2	0.73	88.1	89.5	89.5	9.1	3.4 2.4	4.2
DRN100L4	3	4	16.2	1763	5.8	0.73	87.6	89.3	89.5	9.2	3.9 2.3	4.4
DRN100L4	3.7	5	20	1758	7.2	0.72	87.8	89.4	89.5	9.1	4.1 2.0	4.4
DRN112M4	4	5.4	21.5	1769	7.1	0.79	88.5	89.6	89.5	9.8	2.8 1.4	4.0
DRN132S4	5.5	7.5	29.5	1768	9.2	0.82	90.9	91.8	91.7	9.8	3.5 2.8	4.3
DRN132M4	7.5	10	40.5	1774	13.3	0.77	91.1	91.9	91.7	8.5	3.7 2.6	3.7
DRN132L4	9.2	12.3	49.5	1775	16.5	0.76	91.0	91.9	91.7	8.4	4.3 1.7	4.1
DRN160M4	11	15	59	1776	18.5	0.80	91.2	92.3	92.4	7.0	2.6 2.1	3.1
DRN160L4	15	20	81	1777	25	0.80	92.3	93.3	93.0	9.0	3.4 2.1	3.8
DRN180M4	18.5	25	99	1781	29.5	0.84	92.7	93.6	93.6	9.5	4.1 3.4	4.0
DRN180L4	22	30	118	1781	34	0.86	93.2	93.8	93.6	9.8	4.2 2.7	3.9
DRN200L4	30	40	161	1783	48.5	0.82	93.0	94.0	94.1	8.5	3.5 2.5	3.3
DRN225S4	37	50	198	1785	56	0.88	94.2	94.7	94.5	9.2	3.4 2.6	3.0
DRN225M4	45	60	240	1785	70	0.85	94.5	95.1	95.0	8.9	3.6 2.2	2.7
DRN250ME4	55	75	295	1785	88	0.82	94.3	95.2	95.4	8.6	4.6 2.4	2.7
DRN280S4	75	100	400	1785	125	0.79	94.6	95.3	95.4	9.1	4.8 2.7	3.1
DRN280M4	90	125	480	1784	141	0.83	94.8	95.4	95.4	8.0	4.8 2.5	2.9
DRN315S4	110	150	590	1790	165	0.87	95.0	95.7	95.8	7.6	3.3 2.5	3.5
DRN315ME4	132	177	700	1791	200	0.86	95.4	96.0	96.2	8.3	3.8 3.1	4.3
DRN315L4	150	200	800	1788	225	0.87	95.5	96.1	96.2	7.8	3.4 2.7	3.8
DRN315L4	160	210	850	1788	235	0.88	95.6	96.2	96.2	7.4	3.2 2.6	3.6
DRN315H4	185	250	990	1792	290	0.83	94.8	95.9	96.2	8.6	4.6 3.4	4.6

Further information on motors and brakemotors

Motor type DRN..	P _N		M _N	n _N	m _{Mot}	J _{mot}	BE..	Z ₀ BG BGE	M _B	m _{BMot}	J _{BMot}
	kW	hp	Nm	min ⁻¹	kg	10 ⁻⁴ kgm ²		h ⁻¹	Nm	kg	10 ⁻⁴ kgm ²
DRN80M4	0.75	1.0	4.1	1751	14	24.7	BE1	2600 6600	10	18	26.2
DRN90S4	1.1	1.5	6	1762	20	54	BE2	1800 4800	14	24	58.7
DRN90L4	1.5	2	8.1	1767	23	67.2	BE2	1800 4700	20	27	71.9
DRN100LM4	2.2	3	11.9	1762	33	90.7	BE5	— 3700	28	38	96.7
DRN100L4	3	4	16.2	1763	34	112	BE5	— 2900	40	40	118
DRN100L4	3.7	5	20	1758	34	112	BE5	— 2900	40	40	118
DRN112M4	4	5.4	21.5	1769	45	178	BE5	— 2300	55	52	183
DRN132S4	5.5	7.5	29.5	1768	56	241	BE11	— 1700	80	71	251
DRN132M4	7.5	10	40.5	1774	73	381	BE11	— 900	110	91	403
DRN132L4	9.2	12.3	49.5	1775	81	439	BE11	— 780	110	100	461
DRN160M4	11	15	59	1776	115	817	BE20	— 720	150	145	877
DRN160L4	15	20	81	1777	130	1040	BE20	— 640	200	165	1100
DRN180M4	18.5	25	99	1781	155	1630	BE20	— 400	200	190	1690
DRN180L4	22	30	118	1781	170	1950	BE30	— 380	300	210	2090
DRN200L4	30	40	161	1783	280	2660	BE32	— 400	400	335	2890
DRN225S4	37	50	198	1785	310	4350	BE32	— 180	400	365	4580
DRN225M4	45	60	240	1785	310	4350	BE32	— 160	500	365	4580
DRN250ME4	55	75	295	1785	510	8940	BE60	— 120	600	590	9280
DRN280S4	75	100	400	1785	520	8940	BE62	— 120	1000	600	9530
DRN280M4	90	125	480	1784	630	12000	BE62	— 63	1000	720	12600
DRN315S4	110	150	590	1790	870	23400	BE122	— 42	1200	1000	24400
DRN315ME4	132	177	700	1791	990	28300	BE122	— 33	1600	1130	29400
DRN315L4	150	200	800	1788	1020	28600	BE122	— 27	2000	1150	29600
DRN315L4	160	210	850	1788	1020	28600	BE122	— 27	2000	1150	29600
DRN315H4	185	250	990	1792	1140	35200	BE122	— 18	2000	1270	36200









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