

14 AC Brakemotors – Technical Data

14.1 Key to the data tables

The following table lists the short symbols used in the "Technical Data DRS AC Brakemotors" tables.

P_N	Rated power
M_N	Rated torque
n_N	Rated speed
I_N	Rated current
$\cos\varphi$	Power factor
$\eta_{75\%}$	Efficiency at 75% of the rated power
$\eta_{100\%}$	Efficiency at 100% of the rated power
I_A/I_N	Starting current ratio
M_A/M_N	Starting torque ratio
M_H/M_N	Ramp-up torque ratio
m	Mass of the motor
J_{Mot}	Mass moment of inertia of the motor
BE..	Brake used
Z_0 BG	Starting frequency for operation with BG brake controller
Z_0 BGE	Starting frequency for operation with BGE brake controller
M_B	Braking torque
m_B	Mass of the brakemotor
J_{MOT_BE}	Mass moment of inertia of the brakemotor



AC Brakemotors – Technical Data

DRS 2-pole: 3000 1/min – S1 IE1

14.2 DRS 2-pole: 3000 1/min – S1 IE1

Motor type DRS	P_N	M_N	n_N	I_N 400 V	I_N 380-420 V	$\cos\varphi$	IE class	η 75%	I_A/I_N	M_A/M_N M_H/M_N	m	J_{Mot} [10 ⁻⁴ kgm ²]
	[kW]	[Nm]	[1/min]	[A]	[A]			η 100%				
DRS71M2	0.55	1.87	2810	1.37	1.42	0.79	-	73.5 72.9	4.9	2.9 2.1	9.1	7.1
DRS80S2	0.75	2.55	2800	1.73	1.78	0.84	IE1	74.6 74.4	4.6	2.5 2.3	11.5	14.9
DRS80M2	1.1	3.7	2840	2.35	2.4	0.88	IE1	77.7 76.5	6	2.7 2.5	14.3	21.5
DRS90M2	1.5	5.1	2830	3.1	3.2	0.89	IE1	80 78.3	5.9	2.7 2.6	18.4	35.5
DRS90L2	2.2	7.4	2820	4.45	4.6	0.89	IE1	82.8 80.5	5.8	2.9 2.5	21.5	43.5
DRS100M2	3	10.1	2840	5.8	6	0.91	IE1	84.6 82.5	6.4	3.1 2.8	26	56
DRS100LC2	4	13.2	2900	7.8	8	0.88	IE1	85.6 84.2	7.7	2.7 2.1	31	90
DRS112M2	4	13.2	2900	7.6	7.9	0.89	IE1	85.9 84.8	6.3	2.3 2.1	41.5	113
DRS132S2	5.5	18.2	2890	10.2	10.7	0.91	IE1	87 85.5	6.5	2.3 2.1	44	146
DRS132M2	7.5	24.5	2910	13.7	14.4	0.91	IE1	87.8 86.5	7.3	2.5 2.3	60	193
DRS132MC2	9.2	30.5	2900	16.9	17.6	0.89	IE1	88.8 87.2	6.9	2.5 2.5	60	193

1) Efficiency according to IEC 60034-2-1 Ed.1 (2007) / PLL from Residual Losses

2) Applies to foot-mounted motor (DRS.../Fl..)

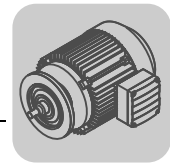
Motor type DRS	P_N	M_N	n_N	BE..	Z_0 BG ¹⁾ BGE ²⁾	M_B	m_B	J_{Mot_BE}
	[kW]	[Nm]	[1/min]		[1/h]	[Nm] ³⁾	[kg] ⁴⁾	[10 ⁻⁴ kgm ²]
DRS71M2	0.55	1.87	2810	BE05	2000 4500	3.5	11.5	8.4
DRS80S2	0.75	2.55	2800	BE05	1400 3300	5	14.2	16.4
DRS80M2	1.1	3.7	2840	BE1	1300 3000	7	17.3	23
DRS90M2	1.5	5.1	2830	BE1	1100 2700	10	22.5	37
DRS90L2	2.2	7.4	2820	BE2	900 2200	14	26	48.5
DRS100M2	3	10.1	2840	BE2	700 1800	20	30.5	61
DRS100LC2	4	13.2	2900	BE5	- 700	28	37	96
DRS112M2	4	13.2	2900	BE5	- 600	28	50	118
DRS132S2	5.5	18.2	2890	BE5	- 500	40	53	151
DRS132M2	7.5	24.5	2910	BE5	- 500	55	75	205
DRS132MC2	9.2	30.5	2900	BE11	- 380	80	75	205

1) Operation with BG brake control system

2) Operation with BGE brake control system

3) Standard braking torque for IEC brakemotor

4) Applies to foot-mounted motor (DRS...BE../Fl..)



14.3 DRS 4-pole: 1500 1/min – S1 IE1

Motor type DRS	P _N	M _N	n _N	I _N 400 V	I _N 380-420 V	cosφ	IE class	η _{75%} η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	m [kg] ²⁾	J _{Mot} [10 ⁻⁴ kgm ²]
	[kW]	[Nm]	[1/min]	[A]	[A]	[%] ¹⁾						
DRS71S4	0.37	2.55	1380	1.14	1.24	0.7	-	65.3 66.6	3.5	1.8 1.8	7.8	4.9
DRS71M4	0.55	3.8	1380	1.55	1.62	0.72	-	71.9 70.6	3.6	2.1 2.1	9.1	7.1
DRS80S4	0.75	5.1	1400	1.8	1.82	0.81	IE1	76.6 75.3	4.3	1.9 1.9	11.5	14.9
DRS80M4	1.1	7.4	1410	2.40	2.50	0.84	IE1	78.6 77	5.1	2.2 1.7	14.3	21.5
DRS90M4	1.5	10.3	1395	3.30	3.40	0.82	IE1	82 79.6	5.0	2.3 2.0	18.4	35.5
DRS90L4	2.2	15	1400	4.85	4.95	0.81	IE1	83.1 81.1	5.1	2.5 2.2	21.5	43.5
DRS100M4	3	20.5	1400	6.4	6.5	0.82	IE1	84.7 82.4	5.3	2.8 2.4	26	56
DRS100LC4	4	26.5	1445	8.4	8.5	0.81	IE1	86.4 85.3	6.5	2.5 2.3	31	90
DRS112M4	4	26.5	1435	8.1	8.4	0.84	IE1	85.6 83.8	6	2 1.7	41.5	146
DRS132S4	5.5	36.5	1445	11.1	11.6	0.82	IE1	86.7 85.7	6.7	2.4 2.1	44	190
DRS132M4	7.5	49.5	1445	14.4	15.1	0.85	IE1	89.1 87.1	6.6	2.4 1.9	60	255
DRS132MC4	9.2	60	1465	18.6	19.3	0.81	IE1	88.5 87.6	7.2	2.1 1.6	63	340
DRS160S4	9.2	60	1460	18.9	19.2	0.79	IE1	89 88	6.4	2.5 2	80	370
DRS160M4	11	72	1460	22	22.5	0.81	IE1	89.1 88	6.8	2.7 2.3	92	450
DRS160MC4	15	97	1470	30	31	0.80	IE1	90.2 89.1	6.3	2.1 1.7	94	590
DRS180S4	15	98	1460	29	29.5	0.83	IE1	90.3 89.5	6.2	2.3 2	122	900
DRS180M4	18.5	121	1465	34.5	35.5	0.85	IE1	92.8 90	6.5	2.2 1.8	141	1110
DRS180L4	22	143	1465	41.5	42.5	0.84	IE1	91.2 90.5	6.9	2.4 2	152	1300
DRS180LC4	30	195	1470	57	59	0.84	IE1	92.0 90.9	5.6	1.8 1.5	161	1680
DRS200L4	30	194	1475	57	59	0.82	IE1	91.9 91.3	6.4	2.1 1.9	260	2360
DRS225S4	37	240	1475	70	72	0.82	IE1	92 91.6	7.1	2.4 1.9	295	2930
DRS225M4	45	290	1480	84	86	0.83	IE1	92.7 92.3	7.4	2.5 2.2	315	3430
DRS225MC4	55	355	1480	106	108	0.81	IE1	92.8 92.4	6.8	2.4 1.8	330	4330
DRS315K4	110	710	1482	200	210	0.84	IE1	94.2 94	6.1	2.2 1.7	850	18400
DRS315S4	132	850	1484	230	240	0.85	IE1	94.2 94.2	6.5	2.4 1.9	930	22500
DRS315M4	160	1030	1483	280	290	0.87	IE1	94.8 94.6	6.9	2.1 1.7	1090	27900
DRS315L4	200	1290	1481	350	375	0.88	IE1	94.9 94.6	6.4	2.1 1.7	1170	31900

1) Efficiency according to IEC 60034-2-1 Ed.1 (2007) / PLL from Residual Losses

2) Applies to foot-mounted motor (DRS.../Fl.)



AC Brakemotors – Technical Data

DRS 4-pole: 1500 1/min – S1 IE1

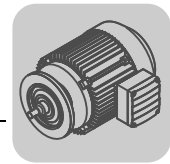
Motor type DRS	P_N	M_N	n_N	BE..	Z_0	M_B	m_B	J_{Mot_BE}
	[kW]	[Nm]	[1/min]		BG ¹⁾ BGE ²⁾			
DRS71S4	0.37	2.55	1380	BE05	6000 9500	5	10.2	6.2
DRS71M4	0.55	3.8	1380	BE1	4100 11000	10	11.7	8.4
DRS80S4	0.75	5.1	1400	BE1	3500 9000	10	14.5	16.4
DRS80M4	1.1	7.4	1410	BE2	3500 9000	14	18	26
DRS90M4	1.5	10.3	1395	BE2	2900 7500	20	23	40
DRS90L4	2.2	15	1400	BE5	- 5600	40	27.5	49.5
DRS100M4	3	20.5	1400	BE5	- 8500	40	32	62
DRS100LC4	4	26.5	1445	BE5	- 3800	55	37	96
DRS112M4	4	26.5	1435	BE5	- 3100	55	50	151
DRS132S4	5.5	36.5	1445	BE11	- 2800	80	59	200
DRS132M4	7.5	49.5	1445	BE11	- 2000	110	75	265
DRS132MC4	9.2	60	1465	BE11	- 1500	110	78	355
DRS160S4	9.2	60	1460	BE20	- 1100	150	106	420
DRS160M4	11	72	1460	BE20	- 1000	150	118	500
DRS160MC4	15	97	1470	BE20	- 900	200	120	640
DRS180S4	15	98	1460	BE20	- 900	200	154	960
DRS180M4	18.5	121	1465	BE30	- 800	300	181	1250
DRS180L4	22	143	1465	BE30	- 590	300	192	1440
DRS180LC4	30	195	1470	BE32	- 520	400	205	1910
DRS200L4	30	194	1475	BE32	- 550	400	315	2590
DRS225S4	37	240	1475	BE32	- 320	500	350	3160
DRS225M4	45	290	1480	BE32	- 270	600	370	3660
DRS225MC4	55	355	1480	BE32	- 200	600	375	4560
DRS315K4	110	710	1482	BE122	- 65	1600	1000	19500
DRS315S4	132	850	1484	BE122	- 50	2000	1080	23600
DRS315M4	160	1030	1483	BE122	- 35	2000	1230	29000
DRS315L4	200	1290	1481	BE122	- 25	2000	1310	33000

1) Operation with BG brake control system

2) Operation with BGE brake control system

3) Standard braking torque for IEC brakemotor

4) Applies to foot-mounted motor (DRS...BE../Fl..)



14.4 DRS 6-pole: 1000 1/min – S1 IE1

Motor type DRS	P _N	M _N	n _N	I _N 400 V	I _N 380-420 V	cosφ	IE class	η _{75%} η _{100%}	I _A /I _N	M _A /M _N M _H /M _N	m [kg] ²⁾	J _{Mot} [10 ⁻⁴ kgm ²]
	[kW]	[Nm]	[1/min]	[A]	[A]	[%] ¹⁾						
DRS71S6	0.25	2.65	895	0.83	0.86	0.7	-	61.4 62.2	2.7	1.7 1.7	7.8	4.9
DRS71M6	0.37	3.9	905	1.13	1.16	0.71	-	66.4 66.5	3.1	1.9 1.9	9.1	7.1
DRS80S6	0.55	5.7	915	1.64	1.66	0.71	-	68.2 67.9	3.4	1.8 1.8	11.5	14.9
DRS80M6	0.75	7.8	915	2.15	2.15	0.71	IE1	71.6 70.7	3.6	2 1.9	14.3	21.5
DRS90L6	1.1	11.3	930	3.1	3.15	0.68	IE1	76.3 75	4.2	2.3 2.3	21.5	43.5
DRS100M6	1.5	15.5	925	4.25	4.25	0.68	IE1	77.3 75.7	4.2	2.7 2.7	26	56
DRS112M6	2.2	22	955	5.4	5.5	0.74	IE1	80.5 79.3	5.5	2.1 1.8	41.5	146
DRS112M6	3	30.5	945	7	7.2	0.76	IE1	83 81	5.1	1.9 1.6	41.5	146
DRS132S6	4	40.5	640	9.8	10.2	0.76	IE1	84.2 81.7	4.3	2.1 1.9	44	190
DRS160S6	5.5	55	960	12.9	13.1	0.73	IE1	85.4 84.4	5.2	2 1.8	80	520
DRS160M6	7.5	75	955	17.3	17.6	0.73	IE1	87.1 85.9	5.1	2.2 1.9	92	630

- 1) Efficiency according to IEC 60034-2-1 Ed.1 (2007) / PLL from Residual Losses
2) Applies to foot-mounted motor (DRS.../FL..)

Motor type DRS	P _N	M _N	n _N	BE..	Z ₀ BG ¹⁾ BGE ²⁾	M _B	m _B	J _{Mot_BE}
	[kW]	[Nm]	[1/min]		[1/h]	[Nm] ³⁾	[kg] ⁴⁾	[10 ⁻⁴ kgm ²]
DRS71S6	0.25	2.65	895	BE05	7000 16000	5	10.2	9.4
DRS71M6	0.37	3.9	905	BE1	6600 15000	10	11.7	13
DRS80S6	0.55	5.7	915	BE2	6000 14000	14	15.2	19.4
DRS80M6	0.75	7.8	915	BE2	4300 10000	20	18	26
DRS90L6	1.1	11.3	930	BE5	3500 8000	28	27.5	49.5
DRS100M6	1.5	15.5	925	BE5	- 7000	40	32	62
DRS112M6	2.2	22	955	BE11	- 4000	80	56	156
DRS112M6	3	30.5	945	BE11	- 3600	80	56	156
DRS132S6	4	40.5	640	BE11	- 3500	80	59	199
DRS160S6	5.5	55	960	BE11	- 2700	110	98	540
DRS160M6	7.5	75	955	BE20	- 2700	150	118	680

- 1) Operation with BG brake control system
2) Operation with BGE brake control system
3) Standard braking torque for IEC brakemotor
4) Applies to foot-mounted motor (DRS...BE../FL..)



AC Brakemotors – Technical Data

DRS multi-speed 8/2-pole: 750/3000 1/min – S3 40/60% cdf

14.5 DRS multi-speed 8/2-pole: 750/3000 1/min – S3 40/60% cdf

Motor type DRS	P_N [kW]	n_N [1/min]	I_N 400 V [A]	$\cos\varphi$	I_A/I_N	M_A/M_N	M_H/M_N	m [kg] ¹⁾	J_{Mot} [10 ⁻⁴ kgm ²]
DRS71S8/2	0.06	685	048	0.62	1.7	1.7	1.7	7.8	4.9
	0.25	2870	0.91	0.69	3.4	2	1.6		
DRS71M8/2	0.1	670	0.73	0.62	1.8	1.6	1.6	9.1	7.1
	0.4	2850	1.17	0.79	2.9	2.1	1.6		
DRS80S8/2	0.15	655	0.88	0.59	1.9	1.7	1.7	11.5	14.9
	0.6	2680	1.6	0.89	3	2.3	2.1		
DRS80M8/2	0.22	680	1.15	0.6	2	1.7	1.7	14.3	21.4
	0.9	2780	2.4	0.8	4	2.6	2.4		
DRS90M8/2	0.3	710	1.41	0.55	2.5	1.4	1.4	18.4	35.4
	1.3	2880	3.3	0.8	4.6	1.9	1.7		
DRS90L8/2	0.45	710	2.15	0.55	2.5	2.5	1.5	21.5	43.7
	1.8	2890	4.3	0.81	5	2	1.8		
DRS100M8/2	0.6	715	2.9	0.55	2.5	1.5	1.6	26	56
	2.4	2900	5.3	0.83	6.1	2.5	1.9		
DRS112M8/2	0.8	710	3.6	0.53	2.7	1.5	1.5	41.5	146
	3	2730	7.1	0.83	4.3	2.9	2.1		
DRS132M8/2	1.1	710	4.2	0.56	3.1	1.5	1.5	60	253
	4.6	2785	9.4	0.91	5.8	3	2.1		

1) Applies to foot-mounted motor (DRS.../Fl.)

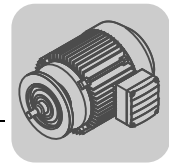
Motor type DRS	P_N [kW]	n_N [1/min]	BE..	Z_0 BG ¹⁾ [1/h]	Z_0 BGE ²⁾ [1/h]	M_B [Nm] ³⁾	m_B [kg] ⁴⁾	J_{Mot_BE} [10 ⁻⁴ kgm ²]
DRS71S8/2	0.06	685	BE05	15000	20000	1.8	10.2	6.2
	0.25	2870		6000	90000			
DRS71M8/2	0.1	670	BE05	14000	18000	3.5	11.5	8.4
	0.4	2850		6000	8000			
DRS80S8/2	0.15	655	BE05	8000	14000	5	14.2	16.4
	0.6	2680		3800	5000			
DRS80M8/2	0.22	680	BE1	8000	14000	7	17.3	22.9
	0.9	2780		3000	4000			
DRS90M8/2	0.3	710	BE1	-	11000	10	21.5	36.9
	1.3	2880			3500			
DRS90L8/2	0.45	710	BE2	-	10000	14	26	48.4
	1.8	2890			3300			
DRS100M8/2	0.6	715	BE2	-	9000	20	30.5	60.7
	2.4	2900			2600			
DRS112M8/2	0.8	710	BE5	-	7000	28	50	150.8
	3	2730			1500			
DRS132M8/2	1.1	710	BE5	-	5000	40	69	257.85
	4.6	2785			1000			

1) Operation with BG brake control system

2) Operation with BGE brake control system

3) Standard braking torque

4) Applies to foot-mounted motor with brake (DRS...BE../Fl.)



14.6 DRS multi-speed 8/4-pole: 750/1500 1/min – S1

Motor type DRS	P_N [kW]	n_N [1/min]	I_N 400 V [A]	$\cos\phi$	I_A/I_N	M_A/M_N	M_H/M_N	m [kg] ¹⁾	J_{Mot} [10 ⁻⁴ kgm ²]
DRS112M8/4	1.2	675	4.2	0.58	2.9	1.9	1.9	41.5	146
	2.2	1390	4.6	0.87	4.8	2.2	1.9		
DRS132S8/4	1.6	680	5.8	0.55	2.9	2	2	44	190
	3.3	1385	6.8	0.87	4.7	2.1	1.9		
DRS132M8/4	2.1	680	7	0.59	3.3	1.9	1.9	60	253
	4.2	1390	8.6	0.87	5	2.1	1.9		
DRS160S8/4	2.7	725	9.2	0.54	4	2.1	1.9	80	370
	5.5	1470	11	0.84	6.3	1.9	1.4		
DRS160M8/4	3.8	730	12.9	0.54	3.9	2	1.9	92	448
	7.5	1470	15	0.84	6.2	1.9	1.4		
DRS180S8/4	5.5	730	17.4	0.55	4	2.2	2	122	895
	10	1465	18.7	0.87	6	1.9	1.4		
DRS180L8/4	7.5	735	22.5	0.55	4.4	2.4	2.1	152	1300
	15	1470	27.5	0.87	6	1.9	1.4		
DRS200L8/4	11	735	35.5	0.52	4	2.4	2	260	2360
	22	1475	41.5	0.85	5.9	1.8	1.4		
DRS225S8/4	14	735	45	0.52	4.1	2.5	2.2	295	2930
	28	1475	52	0.85	6.2	1.9	1.5		
DRS225M8/4	18	740	57	0.53	4	2.4	2	315	3430
	34	1475	63	0.86	6.3	2	1.5		

1) Applies to foot-mounted motor (DRS.../Fl.)

Motor type DRS	P_N [kW]	n_N [1/min]	BE..	Z_0 BGE ¹⁾ [1/h]	M_B [Nm] ²⁾	m_B [kg] ³⁾	J_{Mot_BE} [10 ⁻⁴ kgm ²]
DRS112M8/4	1.2	675	BE5	3800	40	50	150.8
	2.2	1390		1800			
DRS132S8/4	1.6	680	BE5	3000	55	53	194.8
	3.3	1385		1600			
DRS132M8/4	2.1	680	BE11	3000	80	75	263.5
	4.2	1390		1500			
DRS160S8/4	2.7	725	BE11	2600	80	98	392
	5.5	1470		1400			
DRS160M8/4	3.8	730	BE11	1900	110	110	470
	7.5	1470		1300			
DRS180S8/4	5.5	730	BE20	1600	150	154	955
	10	1465		1200			
DRS180L8/4	7.5	735	BE20	1100	200	184	1360
	15	1470		900			
DRS200L8/4	11	735	BE30	900	300	310	2495
	22	1475		700			
DRS225S8/4	14	735	BE32	700	400	350	3160
	28	1475		500			
DRS225M8/4	18	740	BE32	600	500	370	3660
	34	1475		450			

1) Operation with BGE brake control system

2) Standard braking torque

3) Applies to foot-mounted motor with brake (DRS...BE../Fl.)


14.7 DR63 2-pole: 3000 1/min – S1

Motor type	P _N M _N [kW] [Nm]	n _N [1/min]	I _N 380-415 V (400 V) [A]	cosφ	IE class	η _{75%} η _{100%} [%]	I _A /I _N	M _A /M _N M _H /M _N	J _{Mot} [10 ⁻⁴ kgm ²]		Z ₀ BG ⁴⁾ BGE ⁵⁾ [1/h]	M _{Bmax} [Nm]	m ¹⁾ [kg]	
									2)	3)			2)	3)
DR63S2	0.18 0.63	2720	0.46 (0.45)	0.88	-	-	4.2	2.4 2.2	3.6	4.8	5000 -	1.6	6.2	8.0
DR63M2	0.25 0.9	2660	0.66 (0.65)	0.86	-	-	3.5	2.2 1.9	3.6	4.8	4500 -	2.4	6.2	8.0
DR63L2	0.37 1.3	2650	1.0 (0.92)	0.87	-	-	3.5	2.1 1.9	4.4	5.6	4000 -	3.2	6.7	8.5

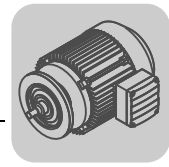
1) applies to flange motor

2) without brake

3) with brake

4) Operation with BG brake control system

5) Operation with BGE brake control system



14.8 DT56, DR63, DV250/280 4-pole: 1500 1/min – S1 IE1

Motor type	P _N M _N [kW] [Nm]	n _N [1/min]	I _N 380-415 V (400 V) [A]	cosφ	IE class	η		I _A /I _N	M _A /M _N M _H /M _N		J _{Mot} [10 ⁻⁴ kgm ²]		Z ₀ BG ⁴⁾ BGE ⁵⁾ [1/h]	M _{Bmax} [Nm]	m ¹⁾ [kg]	
						η _{75%} η _{100%} [%]					2)	3)			2)	3)
DT56M4	0.09 0.66	1300	0.31 (0.29)	0.68	-	-	-	2.6	2.1 1.8	1.1	1.2	10000 -	0.8	In combination with heli- cal gear units R07, RF07, R07F or Spiro- plan® gear units W10, WF10, WA10, WAF10 only		
DT56L4	0.12 0.88	1300	0.46 (0.42)	0.68	-	-	2.6	2.2 1.9	1.1	1.2	10000 -	1.2				
DR63S4	0.12 0.83	1380	0.39 (0.39)	0.69	-	-	3.3	2.4 2.2	3.6	4.8	10000 -	2.4	6.1	7.6		
DR63M4	0.18 1.3	1320	0.55 (0.55)	0.78	-	-	2.9	1.8 1.7	3.6	4.8	10000 -	3.2	6.1	7.6		
DR63L4	0.25 1.8	1300	0.73 (0.68)	0.81	-	-	2.8	1.8 1.7	4.4	5.6	10000 -	3.2	6.7	8.2		
DV250M4	55 356	1475	106 (102)	0.83	IE1	92.7 92.5	6.0	2.7 2.0	6300	6600 6730 ⁶⁾	- 200	600 1200 ⁶⁾	448	528 538 ⁶⁾		
DV280S4	75 484	1480	142 (138)	0.83	IE1	93.1 93.3	7.2	3.2 2.2	8925	9225 9355 ⁶⁾	- 150	600 1200 ⁶⁾	520	600 610 ⁶⁾		
DV280M4	90 581	1480	173 (170)	0.81	IE1	93.4 93.5	7.1	3.3 2.2	8925	9225 9355 ⁶⁾	- 100	600 1200 ⁶⁾	520	600 610 ⁶⁾		

- 1) applies to flange motor
- 2) without brake
- 3) with brake
- 4) Operation with BG brake control system
- 5) Operation with BGE brake control system
- 6) Double disk brake



14.9 DR63, DV250/280 6-pole: 1000 1/min – S1 IE1

Motor type	P _N [kW]	M _N [Nm]	n _N [1/min]	I _N 380-415 V (400 V) [A]	cosφ	IE class	η _{75%} η _{100%} [%]	I _A /I _N	M _A /M _N M _H /M _N	J _{Mot} [10 ⁻⁴ kgm ²]		Z ₀ BG ⁴⁾ BGE ⁵⁾ [1/h]	M _{Bmax} [Nm]	m ¹⁾ [kg]	
										2)	3)			2)	3)
DR63S6	0.09	0.95	900	0.42 (0.38)	0.64	-	-	2.2	1.8 1.6	5.4	6.6	20000 -	2.5	6.0	7.5
DR63M6	0.12	1.2	900	0.62 (0.58)	0.65	-	-	2.1	1.8 1.7	5.4	6.6	20000 -	3.2	6.0	7.5
DR63L6	0.18	2	870	0.81 (0.78)	0.70	-	-	2.2	1.6 1.5	6.8	8.0	20000 -	3.2	6.6	8.1
DV250M6	37	360	980	85 (82)	0.71	IE1	91.5 91.3	4.5	2.4 1.6	6300	6600 6730 ⁶⁾	- 240	600 1200 ⁶⁾	448	528 538 ⁶⁾
DV280S6	45	436	985	105 (103)	0.68	IE1	92 92	4.9	2.6 1.8	8925	9225 9355 ⁶⁾	- 180	600 1200 ⁶⁾	520	600 610 ⁶⁾

1) applies to flange motor

2) without brake

3) with brake

4) Operation with BG brake control system

5) Operation with BGE brake control system

6) Double disk brake