



13 Main Technical Data of Asynchronous DRL Servomotors

Key to the technical data

n_N	Rated speed
M_N	Rated torque
I_N	Rated current
M_{pk} Dyn1	Maximum limit torque (dynamics package 1)
M_{pk} Dyn2	Maximum limit torque (dynamics package 2)
m	Mass of the motor
J_{mot}	Mass moment of inertia of the motor
BE..	Brake used
M_B Dyn1	Braking torque (dynamics package 1)
M_B Dyn2	Braking torque (dynamics package 2)
m	Mass of the brakemotor
J_{MOT_BE}	Mass moment of inertia of the brakemotor


Technical data of asynchronous servomotors/DRL servo brakemotors, 400 V system voltage

n _N	Motor type	M _N	I _N	M _{pk} Dyn1	M _{pk} Dyn2	m	J _{Mot}
		Nm	A	Nm	Nm	kg	10 ⁻⁴ kgm ²
1200	DRL71S4	2.7	1.18	5	8.5	8.6	4.9
	DRL71M4	4	1.6	7	14	10	7.1
	DRL80S	6.5	2.15	10	25	11.5	14.9
	DRL80M4	9.5	2.9	14	30	15.2	21.5
	DRL90L4	15	4.8	25	46	22.5	43.5
	DRL100L4	26	8.5	40	85	30	68
	DRL132S4	42	12.6	80	150	45.5	190
	DRL132MC4	56	17.6	130	200	65	340
	DRL160M4	85	25.5	165	280	93	450
	DRL160MC4	90	28	185	320	95	590
	DRL180S	120	34.5	210	380	122	900
	DRL180M4	135	38	250	430	143	1110
	DRL180L4	165	47	320	520	154	1300
	DRL180LC4	175	52	420	600	163	1680
	DRL200L	200	58.5	475	680	260	2360
	DRL225S4	250	72	520	770	295	2930
DRL225MC4	290	89	770	1100	330	4330	
1700	DRL71S4	2.7	1.63	5	8.5	8.6	4.9
	DRL71M4	4	2.2	7	14	10	7.1
	DRL80S	6.5	2.96	10	25	11.5	14.9
	DRL80M4	9.5	4	14	30	15.2	21.5
	DRL90L4	15	6.6	25	46	22.5	43.5
	DRL100L4	26	11.4	40	85	30	68
	DRL132S4	42	17.8	80	150	45.5	190
	DRL132MC4	56	24.9	130	200	65	340
	DRL160M4	85	35	165	280	93	450
	DRL160MC4	90	36	185	320	95	590
	DRL180S	120	47.5	210	380	122	900
	DRL180M4	135	52	250	430	143	1110
	DRL180L4	165	63	320	520	154	1300
	DRL180LC4	175	72	420	600	163	1680
	DRL200S	200	80.6	475	680	260	2360
	DRL225S4	245	97	520	770	295	2930
DRL225MC4	280	130	770	1100	330	4330	
2100	DRL71S4	2.6	2	5	8.5	8.6	4.9
	DRL71M4	3.8	2.7	7	14	10	7.1
	DRL80S	6.2	3.59	10	25	11.5	14.9
	DRL80M4	9.5	5	14	30	15.2	21.5
	DRL90L4	15	8.4	25	46	22.5	43.5
	DRL100L4	25	14	40	85	30	68
	DRL132S4	41	21.4	80	150	45.5	190
	DRL132MC4	52	28.8	130	200	65	340
	DRL160M4	85	44	165	280	93	450
	DRL160MC4	88	48	185	320	95	590
	DRL180S	110	55.3	210	380	122	900
	DRL180M4	130	64	250	430	143	1110
	DRL180L4	160	78	320	520	154	1300
	DRL180LC4	170	87	420	600	163	1680
	DRL200L	195	99	475	680	260	2360
	DRL225S4	235	119	520	770	295	2930
DRL225MC4	265	142	770	1100	330	4330	

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n_N	Motor type	M_N	I_N	M_{pk} Dyn1	M_{pk} Dyn2	m kg	J_{Mot} 10^{-4} kgm^2
		Nm	A	Nm	Nm		
3000	DRL71S4	2.5	2.68	5	8.5	8.6	4.9
	DRL71M4	3.6	3.55	7	14	10	7.1
	DRL80S	6	4.82	10	25	11.5	14.9
	DRL80M4	8.8	6.5	14	30	15.2	21.5
	DRL90L4	14	11	25	46	22.5	43.5
	DRL100L4	21	16.6	40	85	30	68
	DRL132S4	35	25.5	80	150	45.5	190
	DRL132MC4	42	34.8	130	200	65	340
	DRL160M4	79	57	165	280	93	450
	DRL160MC4	83	59	185	320	95	590
	DRL180S	100	70.1	210	380	122	900
	DRL180M4	105	73	250	430	143	1110
	DRL180L4	130	90	320	520	154	1300
	DRL180LC4	140	105	420	600	163	1680
	DRL200S	165	118	475	680	260	2360
	DRL225S4	195	139	520	770	295	2930
	DRL225MC4	220	188	770	1100	330	4330



n_N	Motor type	M_N	I_N	BE..	M_B	M_B	m_B	J_{Mot_BE}
		Nm	A		Dyn1 Nm	Dyn2 Nm		
1200	DRL71S4	2.7	1.18	BE05	5	5	11	6,2
	DRL71M4	4	1.6	BE1	7	10	12,6	8,4
	DRL80S	6.5	2.15	BE2	10	20	15.2	19.4
	DRL80M4	9.5	2.9	BE2	14	20	18,9	26
	DRL90L4	15	4.8	BE5	20	40	28,5	49,5
	DRL100L4	26	8.5	BE5	40	55	36	74
	DRL132S4	42	12.6	BE11	80	110	60	200
	DRL132MC4	56	17.6	BE11	110	110	79	355
	DRL160M4	85	25.5	BE20	150	200	120	500
	DRL160MC4	90	28	BE20	150	200	122	640
	DRL180S	120	34.5	BE30	200	300	162	1030
	DRL180M4	135	38	BE30	200	300	183	1250
	DRL180L4	165	47	BE30	300	300	194	1440
	DRL180LC4	175	52	BE32	400	400	210	1910
	DRL200L	200	58.5	BE32	400	600	315	2590
	DRL225S4	250	72	BE32	500	500	350	3160
DRL225MC4	290	89	BE32	600	600	385	4560	
1700	DRL71S4	2.7	1.63	BE05	5	5	11	6,2
	DRL71M4	4	2.2	BE1	7	10	12,6	8,4
	DRL80S	6.5	2.96	BE2	10	20	15.2	19.4
	DRL80M4	9.5	4	BE2	14	20	18,9	26
	DRL90L4	15	6.6	BE5	20	40	28,5	49,5
	DRL100L4	26	11.4	BE5	40	55	36	74
	DRL132S4	42	17.8	BE11	80	110	60	200
	DRL132MC4	56	24.9	BE11	110	110	79	355
	DRL160M4	85	35	BE20	150	200	120	500
	DRL160MC4	90	36	BE20	150	200	122	640
	DRL180S	120	47.5	BE30	200	300	162	1030
	DRL180M4	135	52	BE30	200	300	183	1250
	DRL180L4	165	63	BE30	300	300	194	1440
	DRL180LC4	175	72	BE32	400	400	210	1910
	DRL200S	200	80.6	BE32	400	600	315	2590
	DRL225S4	245	97	BE32	500	500	350	3160
DRL225MC4	280	130	BE32	600	600	385	4560	
2100	DRL71S4	2.6	2	BE05	5	5	11	6,2
	DRL71M4	3.8	2.7	BE1	7	10	12,6	8,4
	DRL80S	6.2	3.59	BE2	10	20	15.2	19.4
	DRL80M4	9.5	5	BE2	14	20	18,9	26
	DRL90L4	15	8.4	BE5	20	40	28,5	49,5
	DRL100L4	25	14	BE5	40	55	36	74
	DRL132S4	41	21.4	BE11	80	110	60	200
	DRL132MC4	52	28.8	BE11	110	110	79	355
	DRL160M4	85	44	BE20	150	200	120	500
	DRL160MC4	88	48	BE20	150	200	122	640
	DRL180S	110	55.3	BE30	200	300	162	1030
	DRL180M4	130	64	BE30	200	300	183	1250
	DRL180L4	160	78	BE30	300	300	194	1440
	DRL180LC4	170	87	BE32	400	400	210	1910
	DRL200L	195	99	BE32	400	600	315	2590
	DRL225S4	235	119	BE32	500	500	350	3160
DRL225MC4	265	142	BE32	600	600	385	4560	

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n_N	Motor type	M_N Nm	I_N A	BE..	M_B Dyn1 Nm	M_B Dyn2 Nm	m_B kg ¹⁾	J_{Mot_BE} 10 ⁻⁴ kgm ²
3000	DRL71S4	2.5	2.68	BE05	5	5	11	6,2
	DRL71M4	3.6	3.55	BE1	7	10	12,6	8,4
	DRL80S	6	4.82	BE2	10	20	15.2	19.4
	DRL80M4	8.8	6.5	BE2	14	20	18,9	26
	DRL90L4	14	11	BE5	20	40	28,5	49,5
	DRL100L4	21	16.6	BE5	40	55	36	74
	DRL132S4	35	25.5	BE11	80	110	60	200
	DRL132MC4	42	34.8	BE11	110	110	79	355
	DRL160M4	79	57	BE20	150	200	120	500
	DRL160MC4	83	59	BE20	150	200	122	640
	DRL180S	100	70.1	BE30	200	300	162	1030
	DRL180M4	105	73	BE30	200	300	183	1250
	DRL180L4	130	90	BE30	300	300	194	1440
	DRL180LC4	140	105	BE32	400	400	210	1910
	DRL200S	165	118	BE32	400	600	315	2590
	DRL225S4	195	139	BE32	500	500	350	3160
	DRL225MC4	220	188	BE32	600	600	385	4560

1) Applies to foot-mounted motor with brake (DRL...BE../Fl..)