



SEW
EURODRIVE



Technical Data and Efficiencies

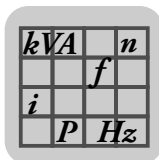
DRS71 – 315, DRE80 – 315, DRP90 – 315





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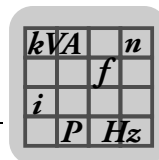
1 Global Motor, 50/60 Hz, 2-Pole, S1

2-pole DRS motors for 50/60 Hz, IE1*

Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N	M _H /M _N
DRS 71S 2	0.18	0.61 0.51	2800 3400			IE1*						
DRS 71S 2	0.25	0.85 0.7	2800 3400			IE1*						
DRS 71S 2	0.37	1.26 1.04	2800 3400			IE1*						
DRS 71M 2	0.55	1.87 1.53	2810 3425	1.37 1.35	0.79 0.79	IE1*	70.7 73.2	73.5 76.3	72.9 76.1	4.9 5.8	2.9 3.4	2.1 2.1

2-pole DRS motors for 50/60 Hz, IE1*

Motor type DRS	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRS 71S 2	0.18	0.61 0.51	2800 3400	7.8	4.9	BE05		2.5	10.2	6.2		-	-
DRS 71S 2	0.25	0.85 0.7	2800 3400	7.8	4.9	BE05		2.5	10.2	6.2		-	-
DRS 71S 2	0.37	1.26 1.04	2800 3400	7.8	4.9	BE05		2.5	10.2	6.2		-	-
DRS 71M 2	0.55	1.87 1.53	2810 3425	9.1	7.1	BE05	2000 4500	3.5	11.5	8.4		-	-

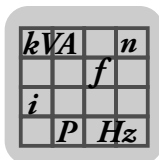


2-pole DRE motors for 50/60 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N	M _H /M _N
DRE 80M 2	0.75	2.5 2.05	2890 3505	1.54 1.3	0.89 0.89	IE2	81.1 81.6	79.2 81.0	79.2 81.4	7.9 9.7	3.4 4.0	3.0 3.3
DRE 90M 2	1.1	3.65 3	2870 3485	2.2 1.9	0.89 0.89	IE2	83.5 84.4	82.2 83.8	81.2 83.7	7.2 8.8	3.2 3.7	3.0 3.4
DRE 90L 2	1.5	5 4.15	2840 3460	2.75 2.5	0.93 0.93	IE2	84.7 86.3	84.0 86.1	81.7 85.0	6.3 7.9	2.9 3.4	2.5 2.8
DRE 100M 2	2.2	7.3 6	2880 3495	4.15 3.65	0.91 0.91	IE2	87.4 87.8	85.6 86.8	84.5 86.2	8.2 10.0	3.8 4.5	3.3 3.5
DRE 100L 2	3	10.1 8.2	2850 3475	5.5 4.8	0.93 0.93	IE2	88.0 88.9	87.4 88.8	85.6 87.5	7.2 9.3	3.5 4.4	3.1 3.9
DRE 112M 2	4	13.2 10.9	2900 3510	7.5 6.6	0.89 0.89	IE2	87.7 -	87.6 88.2	86.5 87.9	6.3 7.4	2.3 2.6	2.1 2.3
DRE 132M 2	5.5	17.9 14.8	2935 3540	9.8 8.8	0.90 0.90	IE2	90.2 89.5	90.7 89.2	90.1 88.9	8.7 9.1	2.9 3.1	2.5 2.5
DRE 132MC 2	7.5	24.5 20	2940 3555	13.7 12.2	0.89 0.89	IE2	90.2 88.5	90.1 90.3	88.9 89.9	7.6 8.7	2.2 2.5	1.9 2.1

2-pole DRE motors for 50/60 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRE 80M 2	0.75	2.5 2.05	2890 3505	14.3	21.4	BE05	1300 3200	5	17.1	22.9			
DRE 90M 2	1.1	3.65 3	2870 3485	18.4	35.4	BE1	1100 2700	7	21.3	37			
DRE 90L 2	1.5	5 4.15	2840 3460	21.4	43.7	BE1	900 2200	10	24.3	45.3			
DRE 100M 2	2.2	7.3 6	2880 3495	26	56	BE2	700 1800	14	30.6	60.7			
DRE 100L 2	3	10.1 8.2	2850 3475	29	68.3	BE2	450 1000	20	33.6	73			
DRE 112M 2	4	13.2 10.9	2900 3510	41.3	113	BE5	- 600	28	48.5	117.8			
DRE 132M 2	5.5	17.9 14.8	2935 3540	60	193	BE5	- 500	40	67.2	197.8			
DRE 132MC 2	7.5	24.5 20	2940 3555	63	239	BE5	- 380	55	70.2	243.8			



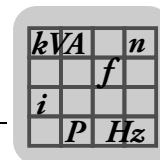
2 Global Motor, 50/60 Hz, 4-Pole

4-pole DRS motors for 50/60 Hz, IE1*

Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N	M _H /M _N
DRS 71S 4	0.18	1.25 1.01	1380 1700	0.64 0.45	0.70 0.69	IE1*	- -	- -	- -	3.5 4.2	1.8 1.9	1.8 1.9
DRS 71S 4	0.25	1.72 1.4	1390 1700	0.67 0.62	0.75 0.69	IE1*	68.6 -	72.6 -	72.6 -	4.1 4.2	1.9 1.9	1.9 1.9
DRS 71S 4	0.37	2.55 2.1	1380 1700	1.14 1.06	0.70 0.65	IE1*	59.1 -	65.3 67.7	66.6 68.0	3.5 4.4	1.8 2.1	1.8 2.1
DRS 71M 4	0.55	3.8 3.1	1380 1700	1.55 1.31	0.72 0.68	IE1*	69.1 -	71.9 76.1	70.6 74.0	3.6 4.5	2.1 2.4	2.1 2.3

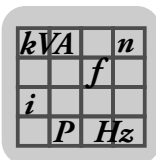
4-pole DRS motors for 50/60 Hz, IE1*

Motor type DRS	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRS 71S 4	0.18	1.25 1.01	1380 1700	7.8	4.9	BE05	6000 9500	2.5	10.2	6.2		-	-
DRS 71S 4	0.25	1.72 1.4	1390 1700	7.8	4.9	BE05	6000 9500	3.5	10.2	6.2		-	-
DRS 71S 4	0.37	2.55 2.1	1380 1700	7.8	4.9	BE05	6000 9500	5	10.2	6.2		-	-
DRS 71M 4	0.55	3.8 3.1	1380 1700	9.1	7.1	BE1	4100 11000	10	11.7	8.4		-	-



4-pole DRE motors for 50/60 Hz, IE2

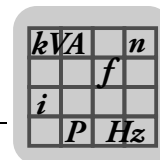
Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N	M _H /M _N
DRE 80S 4	0.37	2.45 2.05	1435 1740	0.87 0.79	0.77 0.73	IE2*	76.5 78.2	78.5 80.2	78.8 80.5	4.9 6.9	2.6 3.0	2.1 2.4
DRE 80M 4	0.55	3.65 3	1445 1755	1.27 1.15	0.76 0.73	IE2*	- -	82.0 82.2	82.3 83.4	6.7 8.1	3.1 3.7	2.2 2.6
DRE 80M 4	0.75	5 4.1	1435 1745	1.68 1.52	0.79 0.76	IE2	79.2 79.6	81.3 82.9	81.0 83.7	6.2 7.6	2.8 3.3	2.1 2.3
DRE 90M 4	1.1	7.4 6.1	1420 1735	2.45 2.1	0.79 0.77	IE2	82.5 82.2	83.5 84.5	82.4 84.7	5.9 7.3	2.8 3.2	2.3 2.6
DRE 90L 4	1.5	10 8.2	1430 1745	3.35 2.85	0.77 0.76	IE2	83.5 83.6	84.7 85.8	84.0 86.0	6.6 7.9	3.2 3.7	2.8 3.3
DRE 100L 4	2.2	14.6 12	1440 1750	4.7 4.2	0.77 0.75	IE2	85.8 85.8	87.5 87.9	87.1 88.3	7.7 8.9	4.2 4.8	3.2 3.3
DRE 100LC 4	3	19.7 16.3	1455 1760	6.2 5.3	0.81 0.80	IE2	86.3 86.9	87.1 88.5	86.3 88.4	7.5 9.4	2.7 3.2	2.4 2.7
DRE 112M 4	3	19.7 16.3	1455 1760	6 5.1	0.83 0.82	IE2	87.7 87.0	87.4 88.4	86.5 88.3	7.3 8.8	2.4 2.7	2.0 1.7
DRE 132S 4	4	26 21.5	1460 1765	8 6.7	0.82 0.83	IE2	87.6 88.0	88.2 89.4	87.4 89.3	8.0 8.9	2.7 2.7	2.4 2.2
DRE 132M 4	5.5	36 30	1455 1760	10.5 9	0.85 0.85	IE2	89.8 90.1	89.6 90.8	88.5 90.1	7.7 8.8	2.6 2.5	1.9 1.6
DRE 132MC 4	7.5	48.5 40.5	1470 1775	14.8 13.8	0.82 0.76	IE2	88.9 87.3	89.5 89.5	89.0 90.0	8.2 8.7	2.2 2.1	1.8 1.6
DRE 160S 4	7.5	49 40.5	1465 1770	14.7 12.6	0.82 0.83	IE2	90.3 90.0	90.3 91.0	89.3 90.7	6.5 7.6	2.4 2.8	1.8 2.0
DRE 160M 4	9.2	60 49.5	1470 1775	18.3 15.7	0.80 0.80	IE2	90.4 90.4	90.7 91.6	90.0 91.5	7.7 8.4	2.9 3.3	2.2 2.4
DRE 160MC 4	11	71 59	1475 1780	21.5 18.3	0.81 0.82	IE2	90.3 90.9	90.6 92.0	90.2 91.9	7.7 8.6	2.6 3.2	1.9 2.2
DRE 180S 4	11	71 59	1470 1775	21 18.1	0.83 0.83	IE2	89.5 89.7	90.4 91.4	90.2 91.6	7.2 8.0	2.6 3.1	2.2 2.4
DRE 180M 4	15	97 81	1470 1775	28 24	0.85 0.85	IE2	90.9 89.5	91.5 91.5	91.0 92.1	7.1 7.8	2.4 2.8	2.0 2.1
DRE 180L 4	18.5	120 100	1470 1775	34 29.5	0.85 0.85	IE2	91.4 91.5	92.0 92.7	91.7 92.7	7.1 8.1	2.5 2.9	2.1 2.2
DRE 180LC 4	22	142 118	1480 1780	42 35.5	0.82 0.84	IE2	91.7 91.7	92.2 92.8	91.8 92.9	7.1 8.0	2.3 2.6	1.9 2.0
DRE 200L 4	30	194 161	1475 1780	57 48.5	0.82 0.83	IE2	92.6 92.2	92.9 93.3	92.4 93.3	6.3 7.4	2.1 2.6	1.9 2.1
DRE 225S 4	37	240 198	1477 1780	70 60	0.82 0.83	IE2	93.0 92.4	93.4 93.4	93.0 93.4	7.0 7.9	2.5 3.2	2.0 2.4
DRE 225M 4	45	290 240	1478 1780	84 73	0.83 0.83	IE2	93.5 92.9	93.7 93.8	93.3 93.8	7.3 8.0	2.5 3.3	2.1 2.3



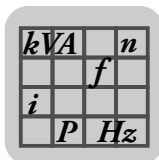
4-pole DRE motors for 50/60 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRE 80S 4	0.37	2.45 2.05	1435 1740	11.5	14.9	BE05	3500 9000	5	14.3	16.4		-	-
DRE 80M 4	0.55	3.65 3	1445 1755	14.3	21.4	BE1	3500 9000	7	17.3	22.9			-
DRE 80M 4	0.75	5 4.1	1435 1745	14.3	21.4	BE1	3500 9000	10	17.3	22.9			
DRE 90M 4	1.1	7.4 6.1	1420 1735	18.4	35.4	BE2	3000 8000	14	23	40.1			
DRE 90L 4	1.5	10 8.2	1430 1745	21.4	43.7	BE2	3000 8000	20	26	48.4			
DRE 100L 4	2.2	14.6 12	1440 1750	29	68.3	BE5	- 7600	28	34.9	74.3			
DRE 100LC 4	3	19.7 16.3	1455 1760	31.2	89.8	BE5	- 3800	40	37.1	95.8			
DRE 112M 4	3	19.7 16.3	1455 1760	41.3	146	BE5	- 3100	40	48.5	150.8			
DRE 132S 4	4	26 21.5	1460 1765	46.3	190	BE5	- 2800	55	53.5	194.8			
DRE 132M 4	5.5	36 30	1455 1760	60	253	BE11	- 2000	80	74.5	263.5			
DRE 132MC 4	7.5	48.5 40.5	1470 1775	63	342	BE11	- 1500	110	77.5	352.5			
DRE 160S 4	7.5	49 40.5	1465 1770	79.5	370	BE11	- 1100	110	98.2	391.9			
DRE 160M 4	9.2	60 49.5	1470 1775	88.5	448	BE20	- 1000	150	115.2	499.1		-	
DRE 160MC 4	11	71 59	1475 1780	93.5	593	BE20	- 900	150	120.2	644.1			

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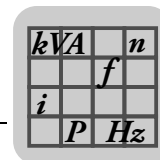
Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRE 180S 4	11	71 59	1470 1775	121.9	895	BE20	- 900	150	153.9	955			
DRE 180M 4	15	97 81	1470 1775	138.3	1110	BE20	- 800	200	170.3	1170			
DRE 180L 4	18.5	120 100	1470 1775	152.1	1300	BE30	- 590	300	192.1	1435			
DRE 180LC 4	22	142 118	1480 1780	161.1	1680	BE30	- 520	300	201.1	1815			
DRE 200L 4	30	194 161	1475 1780	258	2360	BE32	- 550	400	313	2590			
DRE 225S 4	37	240 198	1477 1780	294.5	2930	BE32	- 320	500	349.5	3160			
DRE 225M 4	45	290 240	1478 1780	315.5	3430	BE32	- 270	600	370.5	3660			



3 Global Motor, 50/60 Hz, 6-Pole

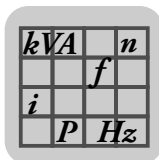
6-pole DRE motors for 50/60 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N	M _H /M _N
DRE 71M 6	0.25	2.6 2.1	910 1130	0.73 0.65	0.73 0.67	-	64.8 -	70.0 71.0	68.8 72.0	3.4 4.0	2.0 1.9	2.0 1.9
DRE 80S 6	0.37	3.8 3.1	935 1145	1.19 1.01	0.69 0.63	-	67.2 -	71.2 73.0	71.5 74.5	3.7 4.5	2.0 2.4	2.0 2.3
DRE 80M 6	0.55	5.6 4.6	935 1145	1.58 1.51	0.69 0.64	-	70.5 -	74.0 76.5	74.0 77.0	4.4 4.8	2.2 2.5	2.2 2.5
DRE 90L 6	0.75	7.6 6.3	940 1145	2.05 1.85	0.65 0.64	IE2	78.7 -	80.5 82.5	80.0 82.4	4.6 5.1	2.4 2.4	2.4 2.4
DRE 100LC 6	1.1	10.8 9	970 1170	2.8 2.6	0.68 0.64	IE2	78.5 82.0	79.4 85.4	78.7 86.1	5.9 6.7	2.3 2.7	2.2 2.4
DRE 112M 6	1.5	14.8 12.2	970 1170	3.5 3.7	0.72 0.69	IE2	80.6 85.4	81.5 87.1	80.9 87.2	5.4 5.9	1.9 2.0	1.6 1.8
DRE 132M 6	2.2	21.5 18	970 1170	5.2 4.7	0.70 0.69	IE2	83.2 86.0	84.2 88.0	83.0 88.1	5.9 6.8	2.4 2.6	2.1 2.3
DRE 132M 6	3	29.5 24.5	970 1170	7.3 6.6	0.67 0.68	IE2	84.9 87.2	85.8 88.5	84.4 88.3	6.1 6.9	2.5 2.8	2.2 2.4
DRE 132M 6	4	40 33	960 1165	9.5 8.5	0.71 0.72	IE2	85.3 87.2	86.2 88.3	85.4 87.8	6.1 5.9	2.8 2.2	2.6 2.0
DRE 160M 6	5.5	54 45	965 1170	12.6 10.5	0.72 0.72	IE2	86.4 88.3	87.4 89.8	86.8 89.5	5.8 6.2	2.3 2.2	2.0 1.9



6-pole DRE motors for 50/60 Hz, IE2

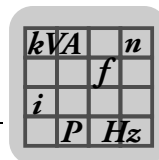
Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²	Global	CEL	ENCE
DRE 71M 6	0.25	2.6 2.1	910 1130	9.1	11.7	BE05	6600 15000	5	11.5	13		-	-
DRE 80S 6	0.37	3.8 3.1	935 1145	11.5	14.9	BE1	6000 14000	10	14.5	16.4		-	-
DRE 80M 6	0.55	5.6 4.6	935 1145	14.3	21.4	BE2	4300 10000	14	18	25.9			-
DRE 90L 6	0.75	7.6 6.3	940 1145	21.4	43.4	BE2	3500 8000	20	26	48.1			
DRE 100LC 6	1.1	10.8 9	970 1170	31.2	88.2	BE5	- 5000	28	37.1	94.2			
DRE 112M 6	1.5	14.8 12.2	970 1170	41.3	145	BE5	- 4000	40	48.5	149.8			
DRE 132M 6	2.2	21.5 18	970 1170	60	250	BE5	- 3300	55	67.2	254.8			
DRE 132M 6	3	29.5 24.5	970 1170	60	250	BE11	- 3300	80	74.5	260.5			
DRE 132M 6	4	40 33	960 1165	60	250	BE11	- 3300	80	74.5	260.5			
DRE 160M 6	5.5	54 45	965 1170	88.5	633	BE11	- 2700	110	107.2	654.9			



4 DR, DRS, DRE, DRP Motors, 50 Hz, 2-Pole, S1

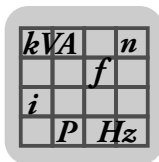
2-pole DR, DRS motors for 50 Hz, IE1

Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DR 63S2	0.18	0.63	2720	0.45	0.46	0.88	-	-	-	-	4.2	2.4 2.2
DR 63M2	0.25	0.9	2660	0.65	0.66	0.86	-	-	-	-	3.5	2.2 1.9
DR 63L2	0.37	1.3	2650	0.92	1.0	0.87	-	-	-	-	3.5	2.1 1.9
DRS 71S 2	0.37	1.31	2700	1.09	-	0.89	-	0.0	0.0	0.0	3.2	2.2 1.9
DRS 71M 2	0.55	1.87	2810	1.37	1.42	0.79	-	70.7	73.5	72.9	4.9	2.9 2.1
DRS 80S 2	0.75	2.55	2800	1.73	1.78	0.84	IE1	71.3	74.6	74.4	4.6	2.5 2.3
DRS 80M 2	1.1	3.7	2840	2.35	2.4	0.88	IE1	80.2	77.7	76.5	6.0	2.7 2.5
DRS 90M 2	1.5	5.1	2830	3.1	3.2	0.89	IE1	83.3	80.0	78.3	5.9	2.7 2.6
DRS 90L 2	2.2	7.4	2820	4.45	4.6	0.89	IE1	84.9	82.8	80.5	5.8	2.9 2.5
DRS 100M 2	3	10.1	2840	5.8	6	0.91	IE1	86.9	84.6	82.5	6.4	3.1 2.8
DRS 100LC 2	4	13.2	2900	7.8	8	0.88	IE1	86.9	85.6	84.2	7.7	2.7 2.1
DRS 112M 2	4	13.2	2900	7.6	7.9	0.89	IE1	87.7	85.4	84.3	6.3	2.3 2.1
DRS 132S 2	5.5	18.2	2890	10.2	10.7	0.91	IE1	89.2	87.0	85.5	6.5	2.3 2.1
DRS 132M 2	7.5	24.5	2910	13.7	14.4	0.91	IE1	90.0	87.8	86.5	7.3	2.5 2.3
DRS 132M 2	9.2	30.5	2900	16.9	17.6	0.89	IE1	90.2	88.8	87.2	6.9	2.5 2.3



2-pole DR, DRS motors for 50 Hz, IE1

Motor type DRS	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DR 63S2	0.18	0.63	2720	6.2	3.6	-	5000 -	1.6	8.0	4.8
DR 63M2	0.25	0.9	2660	6.2	3.6	-	4500 -	2.4	8.0	4.8
DR 63L2	0.37	1.3	2650	6.7	4.4	-	4000 -	3.2	8.5	5.6
DRS 71S 2	0.37	1.31	2700	7.8	4.9	BE05	2450 4150	2.5	10.2	6.2
DRS 71M 2	0.55	1.87	2810	9.1	7.1	BE05	2000 4500	3.5	11.5	8.4
DRS 80S 2	0.75	2.55	2800	11.5	14.9	BE05	1400 3300	5	14.3	16.4
DRS 80M 2	1.1	3.7	2840	14.3	21.4	BE1	1300 3000	7	17.3	22.9
DRS 90M 2	1.5	5.1	2830	18.4	35.4	BE1	1100 2700	10	21.3	37
DRS 90L 2	2.2	7.4	2820	21.4	43.7	BE2	900 2200	14	26	48.4
DRS 100M 2	3	10.1	2840	26	56	BE2	700 1800	20	30.6	60.7
DRS 100LC 2	4	13.2	2900	31.2	89.8	BE5	- 700	28	37.1	95.8
DRS 112M 2	4	13.2	2900	41.3	113	BE5	- 600	28	48.5	117.8
DRS 132S 2	5.5	18.2	2890	44.2	146	BE5	- 500	40	51.4	150.8
DRS 132M 2	7.5	24.5	2910	60	193	BE5	- 500	55	67.2	197.8
DRS 132M 2	9.2	30.5	2900	60	193	BE11	- 500	80	74.5	203.5

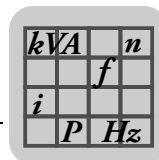


2-pole DRE motors for 50 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRE 80M 2	0.75	2.5	2890	1.54	1.6	0.89	IE2	81.1	79.2	79.2	7.9	3.4 3.0
DRE 90M 2	1.1	3.65	2870	2.2	2.3	0.89	IE2	83.5	82.2	81.2	7.2	3.2 3.0
DRE 90M 2	1.5	5.1	2830	2.95	3.05	0.89	IE2	83.3	83.5	81.8	5.9	2.7 2.6
DRE 100M 2	2.2	7.3	2880	4.15	4.3	0.91	IE2	87.4	85.6	84.5	8.2	3.8 3.3
DRE 100L 2	3	10.1	2850	5.5	5.7	0.93	IE2	88.0	87.4	85.6	7.2	3.5 3.1
DRE 112M 2	4	13.2	2900	7.5	7.8	0.89	IE2	87.7	87.6	86.5	6.3	2.3 2.1
DRE 132S 2	5.5	18.2	2890	10	10.5	0.91	IE2	89.2	88.9	87.4	6.5	2.3 2.1
DRE 132M 2	7.5	24.5	2910	13.5	14.3	0.91	IE2	90.0	89.8	88.5	7.3	2.5 2.3
DRE 132MC 2	9.2	30	2935	17.2	17.9	0.87	IE2	89.7	89.7	88.8	7.2	2.2 1.9

2-pole DRE motors for 50 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRE 80M 2	0.75	2.5	2890	14.3	21.4	BE05	1300 3200	5	17.1	22.9
DRE 90M 2	1.1	3.65	2870	18.4	35.4	BE1	1100 2700	7	21.3	37
DRE 90M 2	1.5	5.1	2830	18.4	35.4	BE1	1100 2700	10	21.3	37
DRE 100M 2	2.2	7.3	2880	26	56	BE2	700 1800	14	30.6	60.7
DRE 100L 2	3	10.1	2850	29	68.3	BE2	450 1000	20	33.6	73
DRE 112M 2	4	13.2	2900	41.3	113	BE5	- 600	28	48.5	117.8
DRE 132S 2	5.5	18.2	2890	46.3	146	BE5	- 500	40	53.5	150.8
DRE 132M 2	7.5	24.5	2910	60	193	BE5	- 500	55	67.2	197.8
DRE 132MC 2	9.2	30	2935	63	239	BE11	- 380	80	77.5	249.5

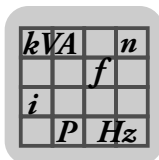


2-pole DRP motors for 50 Hz, IE3

Motor type DRP	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRP 80M 2	0.75	2.5	2890	1.46	1.52	0.89	IE3	81.1	83.2	83.2	7.9	3.4 3.0
DRP 90M 2	1.1	3.65	2870	2.1	2.2	0.89	IE3	83.5	84.7	83.7	7.2	3.2 3.0
DRP 100M 2	1.5	4.95	2890	2.65	2.85	0.93	IE3	87.4	87.9	87.1	8.7	3.8 3.3
DRP 100M 2	2.2	7.3	2880	4	4.15	0.91	IE3	87.4	87.8	86.7	8.2	3.8 3.3
DRP 100LC 2	3	9.8	2920	5.5	5.7	0.90	IE3	87.4	88.0	87.1	9.1	3.0 2.4
DRP 112M 2	3	9.8	2920	5.5	5.8	0.89	IE3	87.5	88.6	88.2	7.4	2.6 2.4
DRP 132S 2	4	13.1	2910	7.2	7.6	0.91	IE3	88.9	89.2	88.2	7.3	2.5 2.2
DRP 132M 2	5.5	17.9	2935	9.8	10.3	0.90	IE3	90.2	90.7	90.1	8.7	2.9 2.5

2-pole DRP motors for 50 Hz, IE3

Motor type DRP	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRP 80M 2	0.75	2.5	2890	14.3	21.4	BE05	1300 3200	5	17.1	22.9
DRP 90M 2	1.1	3.65	2870	18.4	35.4	BE1	1100 2700	7	21.3	37
DRP 100M 2	1.5	4.95	2890	26	56	BE2	700 1800	10	30.6	60.7
DRP 100M 2	2.2	7.3	2880	26	56	BE2	700 1800	14	30.6	60.7
DRP 100LC 2	3	9.8	2920	31.2	89.8	BE2	300 700	20	35.8	94.5
DRP 112M 2	3	9.8	2920	41.3	113	BE5	- 600	20	48.5	117.8
DRP 132S 2	4	13.1	2910	46.3	146	BE5	- 500	28	53.5	150.8
DRP 132M 2	5.5	17.9	2935	60	193	BE5	- 500	40	67.2	197.8

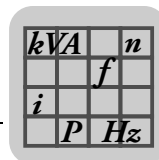


5 DT, DR, DRS, DRE, DRP Motors, 50 Hz, 4-Pole, S1

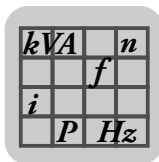
4-pole DT, DR, DRS motors for 50 Hz, IE1

Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DT 56M4	0.09	0.66	1300	0.29	0.31	0.68	-	-	-	-	2.6	2.1 1.8
DT 56L4	0.12	0.88	1300	0.42	0.46	0.68	-	-	-	-	2.6	2.2 1.9
DR 63S4	0.12	0.83	1380	0.39	0.39	0.69	-	-	-	-	3.3	2.4 2.2
DR 63M4	0.18	1.3	1320	0.55	0.55	0.78	-	-	-	-	2.9	1.8 1.7
DR 63L4	0.25	1.8	1300	0.68	0.73	0.81	-	-	-	-	2.8	1.8 1.7
DRS 71S 4	0.18	1.25	1380	0.64	0.66	0.70	-	-	-	-	3.5	1.8 1.8
DRS 71S 4	0.25	1.72	1390	0.67	0.69	0.75	-	68.6	72.6	72.6	4.1	1.9 1.9
DRS 71S 4	0.37	2.55	1380	1.14	1.24	0.70	-	59.1	65.3	66.6	3.5	1.8 1.8
DRS 71M 4	0.55	3.8	1380	1.55	1.62	0.72	-	69.1	71.9	70.6	3.6	2.1 2.1
DRS 80S 4	0.75	5.1	1400	1.8	1.82	0.81	IE1	74.6	76.6	75.3	4.3	1.9 1.9
DRS 80M 4	1.1	7.4	1410	2.4	2.5	0.84	IE1	77.7	78.6	77.0	5.1	2.2 1.7
DRS 90M 4	1.5	10.3	1395	3.3	3.4	0.82	IE1	82.0	82.0	79.6	5.0	2.3 2.0
DRS 90L 4	2.2	15	1400	4.85	4.95	0.81	IE1	82.9	83.1	81.1	5.1	2.5 2.2
DRS 100M 4	3	20.5	1400	6.4	6.5	0.82	IE1	85.2	84.7	82.4	5.3	2.8 2.4
DRS 100LC 4	4	26.5	1445	8.4	8.5	0.81	IE1	84.1	84.6	83.5	6.5	2.5 2.3
DRS 112M 4	4	26.5	1435	8.1	8.4	0.84	IE1	86.1	85.6	83.8	6.0	2.0 1.7
DRS 132S 4	5.5	36.5	1445	11.1	11.6	0.82	IE1	86.4	86.7	85.7	6.7	2.4 2.1
DRS 132M 4	7.5	49.5	1445	14.4	15.1	0.85	IE1	90.0	89.1	87.1	6.6	2.4 1.9
DRS 132MC 4	9.2	60	1465	18.6	19.3	0.81	IE1	87.9	88.5	87.6	7.2	2.1 1.6
DRS 160S 4	9.2	60	1460	18.9	19.2	0.79	IE1	87.9	89.0	88.0	6.4	2.5 2.0
DRS 160M 4	11	72	1460	22	22.5	0.81	IE1	89.2	89.1	88.0	6.8	2.7 2.3
DRS 160MC 4	15	97	1470	30	31	0.80	IE1	90.3	90.2	89.1	6.3	2.1 1.7
DRS 180S 4	15	98	1460	29	29.5	0.83	IE1	90.0	90.3	89.5	6.2	2.3 2.0
DRS 180M 4	18.5	121	1465	34.5	35.5	0.85	IE1	90.6	90.8	90.0	6.5	2.2 1.8
DRS 180L 4	22	143	1465	41.5	42.5	0.84	IE1	90.9	91.2	90.5	6.9	2.4 2.0

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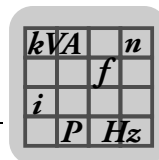
Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRS 180LC 4	30	195	1470	57	59	0.84	IE1	92.2	92.0	90.9	5.6	1.8 1.5
DRS 200L 4	30	194	1475	57	59	0.82	IE1	91.6	91.9	91.3	6.4	2.1 1.9
DRS 225S 4	37	240	1475	70	72	0.82	IE1	92.2	92.0	91.6	7.1	2.4 1.9
DRS 225M 4	45	290	1480	84	86	0.83	IE1	92.8	92.7	92.3	7.4	2.5 2.2
DRS 225MC 4	55	355	1480	106	108	0.81	IE1	92.4	92.8	92.4	6.8	2.4 1.8
DV 250M 4	55	356	1475	102	106	0.83	IE1	-	92.7	92.5	6.0	2.7 2.0
DV 280S 4	75	484	1480	138	142	0.83	IE1	-	93.1	93.3	7.2	3.2 2.2
DV 280M 4	90	581	1480	170	173	0.81	IE1	-	93.4	93.5	7.1	3.3 2.2
DRS 315K 4	110	710	1482	200	210	0.84	IE1	93.7	94.2	94.0	6.1	2.2 1.7
DRS 315S 4	132	850	1484	232	240	0.86	IE1	93.4	94.2	94.2	6.5	2.4 1.9
DRS 315M 4	160	1030	1483	280	290	0.87	IE1	94.6	94.8	94.6	6.9	2.1 1.7
DRS 315L 4	200	1290	1481	350	375	0.88	IE1	94.7	94.9	94.6	6.4	2.1 1.7



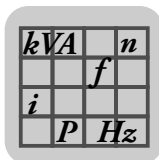
4-pole DT, DR, DRS motors for 50 Hz, IE1

Motor type DRS	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DT 56M4	0.09	0.66	1300	-	1.1	-	10000 -	0.8	-	1.2
DT 56L4	0.12	0.88	1300	-	1.1	-	10000 -	1.2	-	1.2
DR 63S4	0.12	0.83	1380	6.1	3.6	-	10000 -	2.4	7.6	4.8
DR 63M4	0.18	1.3	1320	6.1	3.6	-	10000 -	3.2	7.6	4.8
DR 63L4	0.25	1.8	1300	6.7	4.4	-	10000 -	3.2	8.2	5.6
DRS 71S 4	0.18	1.25	1380	7.8	4.9	BE05	6000 9500	2.5	10.2	6.2
DRS 71S 4	0.25	1.72	1390	7.8	4.9	BE05	6000 9500	3.5	10.2	6.2
DRS 71S 4	0.37	2.55	1380	7.8	4.9	BE05	6000 9500	5	10.2	6.2
DRS 71M 4	0.55	3.8	1380	9.1	7.1	BE1	4100 11000	10	11.7	8.4
DRS 80S 4	0.75	5.1	1400	11.5	14.9	BE1	3500 9000	10	14.5	16.4
DRS 80M 4	1.1	7.4	1410	14.3	21.4	BE2	3500 9000	14	18	25.9
DRS 90M 4	1.5	10.3	1395	18.4	35.4	BE2	2900 7500	20	23	40.1
DRS 90L 4	2.2	15	1400	21.4	43.7	BE5	- 5600	40	27.3	49.7
DRS 100M 4	3	20.5	1400	26	56	BE5	- 8500	40	31.9	62
DRS 100LC 4	4	26.5	1445	31.2	89.8	BE5	- 3800	55	37.1	95.8
DRS 112M 4	4	26.5	1435	41.3	146	BE5	- 3100	55	48.5	150.8
DRS 132S 4	5.5	36.5	1445	44.2	190	BE11	- 2800	80	58.7	200.5
DRS 132M 4	7.5	49.5	1445	60	253	BE11	- 2000	110	74.5	263.5
DRS 132MC 4	9.2	60	1465	63	342	BE11	- 1500	110	77.5	352.5
DRS 160S 4	9.2	60	1460	79.5	370	BE20	- 1100	150	106.2	421.1
DRS 160M 4	11	72	1460	91.5	448	BE20	- 1000	150	118.2	499.1
DRS 160MC 4	15	97	1470	93.5	593	BE20	- 900	200	120.2	644.1
DRS 180S 4	15	98	1460	121.9	895	BE20	- 900	200	153.9	955
DRS 180M 4	18.5	121	1465	141.1	1110	BE30	- 800	300	181.1	1245
DRS 180L 4	22	143	1465	152.1	1300	BE30	- 590	300	192.1	1435

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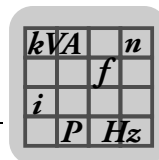
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DRS 180LC 4	30	195	1470	161.1	1680	BE32	- 520	400	206.1	1910
DRS 200L 4	30	194	1475	258	2360	BE32	- 550	400	313	2590
DRS 225S 4	37	240	1475	294.5	2930	BE32	- 320	500	349.5	3160
DRS 225M 4	45	290	1480	315.5	3430	BE32	- 270	600	370.5	3660
DRS 225MC 4	55	355	1480	329	4330	BE32	- 200	600	384	4560
DV 250M 4	55	356	1475	448	6300	-	- 200	600 1200	528 538	6600 6730
DV 280S 4	75	484	1480	329	4330	-	- 200	600 1200	600 610	9225 9355
DV 280M 4	90	581	1480	329	4330	-	- 200	600 1200	600 610	9225 9355
DRS 315K 4	110	710	1482	850	18400	BE122	- 65	1600	975	19495
DRS 315S 4	132	850	1484	930	22500	BE122	- 50	2000	1055	23595
DRS 315M 4	160	1030	1483	1085	27900	BE122	- 35	2000	1210	28995
DRS 315L 4	200	1290	1481	1165	31900	BE122	- 25	2000	1290	32995



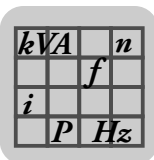
4-pole DRE motors for 50 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRE 80S 4	0.37	2.45	1435	0.87	-	0.77	-	76.5	78.5	78.8	4.9	2.6 2.1
DRE 80M 4	0.75	5	1435	1.68	1.75	0.79	IE2	79.2	81.3	81.0	6.2	2.8 2.1
DRE 90M 4	1.1	7.4	1420	2.45	2.55	0.79	IE2	82.5	83.5	82.4	5.9	2.8 2.3
DRE 90L 4	1.5	10	1430	3.35	3.45	0.77	IE2	83.5	84.7	84.0	6.6	3.2 2.8
DRE 100M 4	2.2	14.7	1425	4.6	4.7	0.80	IE2	86.3	86.7	85.4	6.4	3.3 2.7
DRE 100LC 4	3	19.7	1455	6.2	6.3	0.81	IE2	86.3	87.1	86.3	7.5	2.7 2.4
DRE 112M 4	3	19.7	1455	6	6.2	0.83	IE2	87.7	87.4	86.5	7.3	2.4 2.0
DRE 132S 4	4	26	1460	8	8.2	0.82	IE2	87.6	88.2	87.4	8.0	2.7 2.4
DRE 132M 4	5.5	36	1455	10.5	11	0.85	IE2	89.8	89.6	88.5	7.7	2.6 1.9
DRE 132MC 4	7.5	48.5	1470	14.8	15.2	0.82	IE2	88.9	89.5	89.0	8.2	2.2 1.8
DRE 160S 4	7.5	49	1465	14.7	15.3	0.82	IE2	90.3	90.3	89.3	6.5	2.4 1.8
DRE 160M 4	9.2	60	1470	18.3	18.7	0.80	IE2	90.4	90.7	90.0	7.7	2.9 2.2
DRE 160MC 4	11	71	1475	21.5	22	0.81	IE2	90.3	90.6	90.2	7.7	2.6 1.9
DRE 180S 4	11	71	1470	21	21.5	0.83	IE2	89.5	90.4	90.2	7.2	2.6 2.2
DRE 180M 4	15	97	1470	28	29	0.85	IE2	90.9	91.5	91.0	7.1	2.4 2.0
DRE 180L 4	18.5	120	1470	34	35.5	0.85	IE2	91.4	92.0	91.7	7.1	2.5 2.1
DRE 180LC 4	22	142	1480	42	43	0.82	IE2	91.7	92.2	91.8	7.1	2.3 1.9
DRE 200L 4	30	194	1475	57	59	0.82	IE2	92.6	92.9	92.4	6.3	2.1 1.9
DRE 225S 4	37	240	1477	70	72	0.82	IE2	93.0	93.4	93.0	7.0	2.5 2.0
DRE 225M 4	45	290	1478	84	86	0.83	IE2	93.5	93.7	93.3	7.3	2.5 2.1
DV 250M4	45	290	1480	86	88	0.81	IE2	-	93.2	93.4	7,1	3,3 2.5
DV 250M4	55	356	1475	102	106	0.83	IE2	-	94	93.7	6,0	2.7 0
DV 280S4	75	484	1480	137	142	0.83	IE2	-	94.2	94.2	7,2	3,2 2.2
DV 280M4	90	581	1480	168	171	0.81	IE2	-	94.6	94.5	7,1	3,3 2.2

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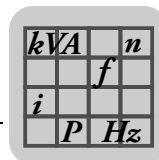
Motor type DRE	P_N	M_N	n_N	I_N 400 V	I_N 380-420 V	$\cos\varphi$	IE class	$\eta_{50\%}$	$\eta_{75\%}$	$\eta_{100\%}$	I_A/I_N	M_A/M_N M_H/M_N
	kW	Nm	rpm	A	A			%	%	%		
DRE 315K 4	110	710	1483	196	205	0.85	IE2	94.4	94.9	94.7	6.0	2.3 1.8
DRE 315S 4	132	850	1483	229	235	0.87	IE2	94.3	95.0	95.0	6.6	2.4 2.0
DRE 315M 4	160	1030	1484	275	285	0.88	IE2	95.3	95.5	95.3	6.8	2.2 1.8
DRE 315L 4	200	1290	1482	345	360	0.89	IE2	95.4	95.7	95.3	6.3	2.2 1.8



4-pole DRE motors for 50 Hz, IE2

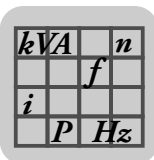
Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRE 80S 4	0.37	2.45	1435	11.5	14.9	BE05	3500 9000	5	14.3	16.4
DRE 80M 4	0.75	5	1435	14.3	21.4	BE1	3500 9000	10	17.3	22.9
DRE 90M 4	1.1	7.4	1420	18.4	35.4	BE2	3000 8000	14	23	40.1
DRE 90L 4	1.5	10	1430	21.4	43.7	BE2	3000 8000	20	26	48.4
DRE 100M 4	2.2	14.7	1425	26	56	BE5	- 8000	28	31.9	62
DRE 100LC 4	3	19.7	1455	31.2	89.8	BE5	- 3800	40	37.1	95.8
DRE 112M 4	3	19.7	1455	41.3	146	BE5	- 3100	40	48.5	150.8
DRE 132S 4	4	26	1460	46.3	190	BE5	- 2800	55	53.5	194.8
DRE 132M 4	5.5	36	1455	60	253	BE11	- 2000	80	74.5	263.5
DRE 132MC 4	7.5	48.5	1470	63	342	BE11	- 1500	110	77.5	352.5
DRE 160S 4	7.5	49	1465	79.5	370	BE11	- 1100	110	98.2	391.9
DRE 160M 4	9.2	60	1470	88.5	448	BE20	- 1000	150	115.2	499.1
DRE 160MC 4	11	71	1475	93.5	593	BE20	- 900	150	120.2	644.1
DRE 180S 4	11	71	1470	121.9	895	BE20	- 900	150	153.9	955
DRE 180M 4	15	97	1470	138.3	1110	BE20	- 800	200	170.3	1170
DRE 180L 4	18.5	120	1470	152.1	1300	BE30	- 590	300	192.1	1435
DRE 180LC 4	22	142	1480	161.1	1680	BE30	- 520	300	201.1	1815
DRE 200L 4	30	194	1475	258	2360	BE32	- 550	400	313	2590
DRE 225S 4	37	240	1477	294.5	2930	BE32	- 320	500	349.5	3160
DRE 225M 4	45	290	1478	315.5	3430	BE32	- 270	600	370.5	3660
DV 250M4	45	290	1480	448	6300	-	-	300 600	528 538	6600 6730
DV 250M4	55	356	1475	520	6300	-	-	600 1200 ¹⁾	600 610	6600 6730
DV 280S4	75	484	1480	520	8925	-	-	600 1200	600 610	9225 9355
DV 280M4	90	581	1480	520	8925	-	-	600 1200	600 610	9225 9355

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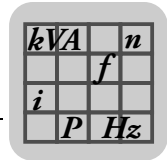
Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRE 315K 4	110	710	1483	850	18400	BE122	- 65	1600	975	19495
DRE 315S 4	132	850	1483	930	22500	BE122	- 50	2000	1055	23595
DRE 315M 4	160	1030	1484	1085	27900	BE122	- 35	2000	1210	28995
DRE 315L 4	200	1290	1482	1165	31900	BE122	- 25	2000	1290	32995

1) Double disk brake



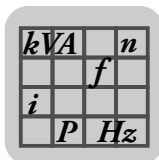
4-pole DRP motors for 50 Hz, IE3

Motor type DRP	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRP 90M 4	0.75	4.95	1450	1.81	1.86	0.72	IE3	79.8	82.7	83.3	7.3	3.7 3.1
DRP 90L 4	1.1	7.3	1440	2.4	2.5	0.78	IE3	84.8	86.0	85.3	6.8	3.2 2.7
DRP 100M 4	1.5	9.9	1440	3.2	3.3	0.79	IE3	86.4	87.2	86.6	7.4	3.6 3.1
DRP 100L 4	2.2	14.6	1440	4.75	4.85	0.77	IE3	86.4	87.5	87.1	7.7	4.2 3.2
DRP 112M 4	3	19.7	1455	6	6.2	0.82	IE3	88.2	88.7	88.0	7.3	2.4 2.0
DRP 132M 4	4	26	1465	7.7	8	0.84	IE3	89.9	90.4	89.7	8.9	2.6 2.0
DRP 132MC 4	5.5	35.5	1475	11	11.4	0.84	IE3	90.2	90.8	90.3	8.8	2.3 1.9
DRP 160S 4	5.5	35.5	1475	10.9	11.2	0.80	IE3	90.3	91.1	90.7	8.0	3.0 2.2
DRP 160M 4	7.5	48.5	1470	14.7	15.2	0.81	IE3	90.9	91.3	90.7	8.1	3.1 2.3
DRP 160MC 4	9.2	60	1475	17.5	18.2	0.84	IE3	91.9	92.0	91.3	7.6	2.5 1.8
DRP 180S 4	9.2	60	1475	17.5	18.1	0.82	IE3	91.0	92.0	92.0	7.8	2.8 2.3
DRP 180M 4	11	71	1475	20.5	21.5	0.84	IE3	91.2	92.5	92.0	8.1	2.9 2.2
DRP 180L 4	15	97	1475	27.5	28.5	0.84	IE3	92.6	93.1	92.7	7.7	2.7 2.0
DRP 180LC 4	18.5	119	1480	35	36	0.82	IE3	92.7	93.4	93.2	8.0	2.6 2.0
DRP 200L 4	18.5	119	1483	34.5	36	0.83	IE3	92.7	93.5	93.3	7.8	2.6 2.2
DRP 200L 4	22	142	1482	41	42.5	0.83	IE3	92.7	93.5	93.4	7.9	2.7 2.3
DRP 225S 4	30	194	1480	55	57	0.85	IE3	94.0	94.3	93.9	7.4	2.6 2.2
DRP 225M 4	37	240	1482	69	71	0.83	IE3	93.5	94.1	94.0	8.4	2.9 2.6
DRP 315K 4	90	580	1484	159	169	0.86	IE3	0.0	95.1	95.2	6.7	2.4 1.9
DRP 315S 4	110	710	1486	192	200	0.87	IE3	0.0	95.6	95.5	7.1	2.3 1.8
DRP 315M 4	132	850	1488	230	240	0.87	IE3	94.7	95.6	95.6	8.1	2.5 2.0
DRP 315L 4	160	1030	1488	275	280	0.88	IE3	95.5	96.0	96.1	8.0	2.8 2.2



4-pole DRP motors for 50 Hz, IE3

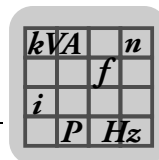
Motor type DRP	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRP 90M 4	0.75	4.95	1450	18.4	35.4	BE1	2900 7500	10	21.3	37
DRP 90L 4	1.1	7.3	1440	21.4	43.7	BE2	2300 5600	14	26	48.4
DRP 100M 4	1.5	9.9	1440	26	56	BE2	1800 8500	20	30.6	60.7
DRP 100L 4	2.2	14.6	1440	29	68.3	BE5	- 7600	28	34.9	74.3
DRP 112M 4	3	19.7	1455	41.3	146	BE5	- 3100	40	48.5	150.8
DRP 132M 4	4	26	1465	60	253	BE5	- 2000	55	67.2	257.8
DRP 132MC 4	5.5	35.5	1475	63	342	BE11	- 1500	80	77.5	352.5
DRP 160S 4	5.5	35.5	1475	79.5	370	BE11	- 1100	80	98.2	391.9
DRP 160M 4	7.5	48.5	1470	88.5	448	BE11	- 1000	110	107.2	469.9
DRP 160MC 4	9.2	60	1475	93.5	593	BE20	- 900	150	120.2	644.1
DRP 180S 4	9.2	60	1475	121.9	895	BE20	- 900	150	153.9	955
DRP 180M 4	11	71	1475	138.3	1110	BE20	- 800	150	170.3	1170
DRP 180L 4	15	97	1475	152.1	1300	BE20	- 590	200	184.1	1360
DRP 180LC 4	18.5	119	1480	161.1	1680	BE30	- 520	300	201.1	1815
DRP 200L 4	18.5	119	1483	258	2360	BE30	- 550	300	308	2495
DRP 200L 4	22	142	1482	258	2360	BE30	- 550	300	308	2495
DRP 225S 4	30	194	1480	287.7	2930	BE32	- 320	400	342.7	3160
DRP 225M 4	37	240	1482	315.5	3430	BE32	- 270	500	370.5	3660
DRP 315K 4	90	580	1484	850	18400	BE122	- 65	1200	975	19495
DRP 315S 4	110	710	1486	930	22500	BE122	- 50	1600	1055	23595
DRP 315M 4	132	850	1488	1085	27900	BE122	- 35	2000	1210	28995
DRP 315L 4	160	1030	1488	1165	31900	BE122	- 25	2000	1290	32995



6 DR, DRS, DRE, DRP Motors, 50 Hz, 6-Pole, S1

6-pole DR, DRS motors for 50 Hz, IE1

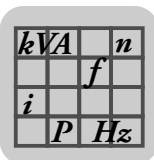
Motor type DRS	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DR 63S6	0.09	0.95	900	0.38	0.42	0.64	-	-	-	-	2.2	1.8 1.6
DR 63M6	0.12	1.2	900	0.58	0.62	0.65	-	-	-	-	2.1	1.8 1.7
DR 63L6	0.18	2	870	0.78	0.81	0.70	-	-	-	-	2.2	1.6 1.5
DRS 71S 6	0.25	2.65	895	0.83	0.86	0.70	-	55.3	61.4	62.2	2.7	1.7 1.7
DRS 71M 6	0.37	3.9	905	1.13	1.16	0.71	-	61.9	66.4	66.5	3.1	1.9 1.9
DRS 80S 6	0.55	5.7	915	1.64	1.66	0.71	-	64.1	68.2	67.9	3.4	1.8 1.8
DRS 80M 6	0.75	7.8	915	2.15	2.15	0.71	IE1	68.3	71.6	70.7	3.6	2.0 1.9
DRS 90L 6	1.1	11.3	930	3.1	3.15	0.68	IE1	77.5	76.3	75.0	4.2	2.3 2.3
DRS 100M 6	1.5	15.5	925	4.25	4.25	0.68	IE1	76.0	77.3	75.7	4.2	2.7 2.7
DRS 100LC 6	2.2	22	955	5.5	5.6	0.71	IE1	80.1	80.8	80.0	5.1	2.2 2.2
DRS 112M 6	2.2	22	955	5.4	5.5	0.74	IE1	81.0	80.5	79.3	5.5	2.1 1.8
DRS 112M 6	3	30.5	945	7	7.2	0.76	IE1	84.6	83.0	81.0	5.1	1.9 1.6
DRS 132S 6	4	40.5	940	9.8	10.2	0.76	IE1	85.1	84.2	81.7	4.3	2.1 1.9
DRS 132MC 6	5.5	54	970	12.2	12.4	0.76	IE1	87.2	86.6	85.5	5.8	1.9 1.7
DRS 160S 6	5.5	55	960	12.9	13.1	0.73	IE1	85.5	85.4	84.4	5.2	2.0 1.8
DRS 160M 6	7.5	75	955	17.3	17.6	0.73	IE1	86.8	87.1	85.9	5.1	2.2 1.9
DV 250S6	37	360	980	82	85	0.71	IE1	-	91.5	91.3	4.9	2.6 1.8
DV 280M6	45	436	985	103	105	0.68	IE1	-	92.0	92.0	4.9	2.6 1.8



6-pole DR, DRS motors for 50 Hz, IE1

Motor type DRS	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DR 63S6	0.09	0.95	900	6.0	5.4	-	20000 -	2.5	7.5	6.6
DR 63M6	0.12	1.2	900	6.0	5.4	-	20000 -	3.2	7.5	6.6
DR 63L6	0.18	2	870	6.6	6.8	-	20000 -	3.2	8.1	8.0
DRS 71S 6	0.25	2.65	895	7.8	8.1	BE05	7000 16000	5	10.2	9.4
DRS 71M 6	0.37	3.9	905	9.1	11.7	BE1	6600 15000	10	11.7	13
DRS 80S 6	0.55	5.7	915	11.5	14.9	BE2	6000 14000	14	15.2	19.4
DRS 80M 6	0.75	7.8	915	14.3	21.4	BE2	4300 10000	20	18	25.9
DRS 90L 6	1.1	11.3	930	21.4	43.4	BE5	3500 8000	28	27.3	49.4
DRS 100M 6	1.5	15.5	925	26	55.6	BE5	- 7000	40	31.9	61.6
DRS 100LC 6	2.2	22	955	31.2	88.2	BE5	- 5000	55	37.1	94.2
DRS 112M 6	2.2	22	955	41.3	145	BE5	- 4000	55	48.5	149.8
DRS 112M 6	3	30.5	945	41.3	145	BE11	- 3600	80	55.8	155.5
DRS 132S 6	4	40.5	940	44.2	188	BE11	- 3500	80	58.7	198.5
DRS 132MC 6	5.5	54	970	63	337	BE11	- 2900	110	77.5	347.5
DRS 160S 6	5.5	55	960	79.5	520	BE11	- 2700	110	98.2	541.9
DRS 160M 6	7.5	75	955	91.5	633	BE20	- 2700	150	118.2	684.1
DV 250S6	37	360	980	448	6300	-	- 240	600 1200 ¹⁾	448	528 538
DV 280M6	45	436	985	520	8925	-	- 180	600 1200	520	600 610

1) Double disk brake

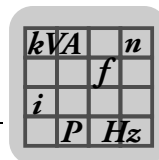


6-pole DRE motors for 50 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRE 71M 6	0.25	2.6	910	0.73	-	0.73	-	64.8	70.0	68.8	3.4	2.0 2.0
DRE 80S 6	0.37	3.8	935	1.19	-	0.69	-	67.2	71.2	71.5	3.7	2.0 2.0
DRE 80M 6	0.55	5.6	935	1.58	-	0.69	-	70.5	74.0	74.0	4.4	2.2 2.2
DRE 90L 6	0.75	7.6	940	2.05	2.1	0.65	IE2	78.7	80.5	80.0	4.6	2.4 2.4
DRE 100M 6	1.1	11.2	940	3.1	3.15	0.64	IE2	77.2	79.4	78.7	4.7	3.0 2.9
DRE 100L 6	1.5	15.2	940	4	4.05	0.66	IE2	79.7	81.5	80.9	5.0	3.3 3.1
DRE 112M 6	2.2	22	955	5.2	5.3	0.74	IE2	87.1	86.9	85.6	5.5	2.1 1.8
DRE 132S 6	3	30	955	6.8	7	0.74	IE2	85.4	85.8	84.4	5.5	2.3 2.1
DRE 132M 6	4	40	960	9.5	9.6	0.71	IE2	85.3	86.2	85.4	6.1	2.8 2.6
DRE 132MC 6	5.5	54	970	12.1	12.3	0.76	IE2	87.5	88.0	86.9	5.8	1.9 1.7
DRE 160M 6	5.5	54	965	12.6	12.8	0.72	IE2	86.4	87.4	86.8	5.8	2.3 2.0

6-pole DRE motors for 50 Hz, IE2

Motor type DRE	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRE 71M 6	0.25	2.6	910	9.1	11.7	BE05	6600 15000	5	11.5	13
DRE 80S 6	0.37	3.8	935	11.5	14.9	BE1	6000 14000	10	14.5	16.4
DRE 80M 6	0.55	5.6	935	14.3	21.4	BE2	4300 10000	14	18	25.9
DRE 90L 6	0.75	7.6	940	21.4	43.4	BE2	3500 8000	20	26	48.1
DRE 100M 6	1.1	11.2	940	26	55.6	BE5	- 7000	28	31.9	61.6
DRE 100L 6	1.5	15.2	940	29	67.8	BE5	- 6000	40	34.9	73.8
DRE 112M 6	2.2	22	955	41.3	145	BE5	- 4000	55	48.5	149.8
DRE 132S 6	3	30	955	46.3	188	BE11	- 3500	80	60.8	198.5
DRE 132M 6	4	40	960	60	250	BE11	- 3300	80	74.5	260.5
DRE 132MC 6	5.5	54	970	63	337	BE11	- 2900	110	77.5	347.5
DRE 160M 6	5.5	54	965	88.5	633	BE11	- 2700	110	107.2	654.9



6-pole DRP motors for 50 Hz, IE3

Motor type DRP	P _N kW	M _N Nm	n _N rpm	I _N 400 V A	I _N 380-420 V A	cosφ	IE class	η _{50%} %	η _{75%} %	η _{100%} %	I _A /I _N	M _A /M _N M _H /M _N
DRP 90L 6	0.75	7.6	940	2.05	2.1	0.65	IE3	78.7	80.5	80.0	4.6	2.4 2.4
DRP 100L 6	1.1	11.1	950	3.1	3.15	0.63	IE3	79.8	82.3	82.4	5.3	3.6 3.1
DRP 112M 6	1.5	14.8	965	3.5	3.6	0.70	IE3	84.5	86.1	85.8	6.2	2.4 1.7
DRP 132S 6	2.2	22	965	5.1	5.2	0.72	IE3	85.5	86.5	85.6	6.0	2.5 2.2
DRP 132M 6	3	29.5	970	7.1	7.2	0.70	IE3	86.5	87.7	87.3	6.6	2.9 2.7
DRP 132MC 6	4	39	980	9	-	0.72	IE3	87.7	88.8	88.5	6.8	2.2 1.7
DRP 160M 6	4	39	975	9.3	9.4	0.69	IE3	87.2	88.9	88.9	6.4	2.5 2.2

6-pole DRP motors for 50 Hz, IE3

Motor type DRP	P _N kW	M _N Nm	n _N rpm	m kg	J _{Mot} 10 ⁻⁴ kgm ²	BE..	Z ₀ BG BGE 1/h	M _B Nm	m _B kg	J _{Mot_BE} 10 ⁻⁴ kgm ²
DRP 90L 6	0.75	7.6	940	21.4	43.4	BE2	3500 8000	20	26	48.1
DRP 100L 6	1.1	11.1	950	29	67.8	BE5	- 6000	28	34.9	73.8
DRP 112M 6	1.5	14.8	965	41.3	145	BE5	- 4000	40	48.5	149.8
DRP 132S 6	2.2	22	965	46.3	188	BE5	- 3500	55	53.5	192.8
DRP 132M 6	3	29.5	970	60	250	BE11	- 3300	80	74.5	260.5
DRP 132MC 6	4	39	980	63	337	BE11	- 2900	80	77.5	347.5
DRP 160M 6	4	39	975	88.5	633	BE11	- 2700	80	107.2	654.9