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Revision Addendum to the Catalog



AC Motors

DR..71.J - DR..100.J

With LSPM Technology

1 Revision

INFORMATION



This revision contains changes made to the „DR..71.J – DR..100.J AC Motors with LSPM Technology" (edition 02/2015) addendum to the catalog.

The following chapters of the operating instructions have been revised:

- Chapter 5.2.2 Frequency inverter operation 400 V/87 Hz
Revised nominal current I_N
- Chapter 5.3.2 Frequency inverter operation 400 V/87 Hz
Revised nominal current I_N
- Chapter 5.4.2 Frequency inverter operation 400 V/87 Hz
Revised nominal current I_N

1.1 Technical data

1.1.1 DRE..J motors

Frequency inverter operation 400 V/87 Hz

Motor type DRE..J	P_N kW	M_N Nm	n_N 1/min	I_N A	M_{Ksyn}/M_N at 10Hz 20Hz 87Hz	J_{Mot} 10^{-4} kgm ²	$J_{Mot, BE}$ 10^{-4} kgm ²	m_{Mot} kg	$m_{Mot, BE}$ kg	Std. brake type	Std. braking torque Nm	V_{p0} V
DRE71SJ4	0.55	2	2610	1.45	1.3 1.4 1.5	5.14	6.44	7.8	10.2	BE05	5	151
DRE71MJ4	0.75	2.75	2610	2.18	1.7 1.9 2.0	7.28	8.58	9.1	11.7	BE1	7	164
DRE71MJ4	1.1	4	2610	2.93	1.3 1.5 1.5	7.28	8.58	9.1	11.7	BE1	10	157
DRE80SJ4	1.5	5.5	2610	3.51	1.4 1.6 1.7	15.41	19.91	11.5	15.2	BE2	14	271
DRE80MJ4	2.2	8	2610	4.68	1.6 1.8 1.9	22.08	26.58	14.3	18	BE2	20	271
DRE90MJ4	3	11	2610	6.67	1.7 1.9 2.0	35.49	41.49	18.6	24.5	BE5	28	249
DRE90LJ4	4	14.6	2610	9.22	1.9 2.2 2.3	43.73	49.73	21.4	27.3	BE5	28	264
DRE100MJ4	5.5	20	2610	12.54	1.9 2.1 2.2	56.05	62.05	26	31.9	BE5	40	249

1.1.2 DRP..J motors

Frequency inverter operation 400 V/87 Hz

Motor type DRP..J	P _N kW	M _N Nm	n _N 1/min	I _N A	M _{Ksyn} /M _N at 10Hz 20Hz 87Hz	J _{Mot} 10 ⁻⁴ kgm ²	J _{Mot_BE} 10 ⁻⁴ kgm ²	m _{Mot} kg	m _{Mot_BE} kg	Std. brake type	Std. braking torque Nm	V _{p0} V
DRP71SJ4	0.55	2	2610	1.45	1.3 1.4 1.5	5.14	6.44	7.8	10.2	BE05	5	151
DRP71MJ4	0.75	2.75	2610	2.18	1.7 1.9 2.0	7.28	8.58	9.1	11.7	BE1	7	164
DRP80SJ4	1.1	4	2610	2.24	1.7 1.9 2.0	15.41	16.91	11.5	14.5	BE1	10	301
DRP80MJ4	1.5	5.5	2610	3.40	1.9 2.1 2.2	22.08	26.58	14.3	18	BE2	14	286
DRP90MJ4	2.2	8	2610	4.75	2.1 2.4 2.5	35.49	40.19	18.4	23	BE2	20	264
DRP90LJ4	3	11	2610	6.60	2.4 2.7 2.8	43.73	49.73	21.4	27.3	BE5	28	271
DRP100MJ4	4	14.6	2610	8.29	2.4 2.6 2.8	56.05	62.05	26	31.9	BE5	28	279
DRP100LJ4	5.5	20	2610	11.66	2.0 2.7 2.8	63.24	69.24	29	34.9	BE5	40	271

1.1.3 DRU..J motors

Frequency inverter operation 400 V/87 Hz

Motor type DRU..J	P _N kW	M _N Nm	n _N 1/min	I _N A	M _{Ksyn} /M _N at 10Hz 20Hz 87Hz	J _{Mot} 10 ⁻⁴ kgm ²	J _{Mot_BE} 10 ⁻⁴ kgm ²	m _{Mot} kg	m _{Mot_BE} kg	Std. brake type	Std. braking torque Nm	V _{p0} V
DRU71SJ4	0.25	0.91	2610	0.72	2.4 2.6 2.7	5.14	6.44	7.8	10.2	BE05	1.8	181
DRU71SJ4	0.37	1.35	2610	1.00	1.8 2.0 2.1	5.14	6.44	7.8	10.2	BE05	3.5	166
DRU71MJ4	0.55	2	2610	1.29	2.1 2.4 2.5	7.28	8.58	7.8	10.2	BE05	5	196
DRU80SJ4	0.75	2.75	2610	1.59	2.2 2.5 2.6	15.41	16.91	11.5	14.5	BE1	7	316
DRU80MJ4	1.1	4	2610	2.03	2.1 2.4 2.5	22.08	23.58	14.3	17.3	BE1	10	324
DRU90MJ4	1.5	5.5	2610	3.17	2.6 2.9 3.1	35.49	40.19	18.4	23	BE2	14	286
DRU90LJ4	2.2	8	2610	4.67	2.5 2.8 3.0	43.73	48.43	21.4	26	BE2	20	286
DRU100MJ4	3	11	2610	6.74	2.7 3.0 3.2	56.05	62.05	26	31.9	BE5	28	286
DRU100LJ4	4	14.6	2610	8.68	2.4 3.1 3.3	63.24	69.24	29	34.9	BE5	28	279