

technical data two speed motors - two windings

Motor type	Power (kW)	RPM	In (A) 400 V 50 Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	A-Sound pressure dB (A)
2/6 pole		3000 / 1000 r.p.m.						
SMDA 71 B2/6	0.25 0.08	2880 940	0.85 0.60	0.74 0.64	0.83 0.81	2.6 2.2	4.3 2.0	59 45
SMDA 71 C2/6	0.35 0.10	2880 940	1.05 0.60	0.75 0.59	1.16 1.02	2.6 2.2	5.0 2.3	59 45
SMDA 80 A2/6	0.37 0.12	2885 945	1.35 0.80	0.67 0.57	1.22 1.21	2.6 1.9	5.0 2.5	65 47
SMDA 80 B2/6	0.55 0.18	2885 945	1.75 1.05	0.67 0.57	1.82 1.82	2.6 1.9	5.0 2.5	65 47
SMDA 90 SA2/6	0.9 0.3	2875 950	2.10 1.15	0.86 0.65	2.99 3.02	2.5 2.2	5.0 2.5	72 54
SMDA 90 LA2/6	1.2 0.4	2875 950	2.80 1.55	0.86 0.65	3.99 4.02	2.5 2.2	5.0 2.5	72 54
SMDA 90 LB2/6	1.4 0.5	2890 940	3.20 1.80	0.86 0.55	4.63 5.08	2.7 2.5	5.0 3.0	72 54
SMDA 100 LA2/6	1.6 0.6	2810 900	3.70 1.90	0.85 0.68	5.44 6.37	2.6 2.3	5.4 3.4	74 56
SMDA 100 LB2/6	2.2 0.8	2800 910	4.80 2.50	0.90 0.67	7.50 8.40	2.6 2.3	5.4 3.4	74 56
SMDA 112 MB2/6	3.0 1.0	2870 950	6.40 3.20	0.86 0.61	9.98 10.05	3.0 3.2	7.0 4.5	75 58
SMDA 132 SB2/6	4.0 1.3	2880 940	8.90 3.70	0.85 0.69	13.26 13.21	3.0 2.8	7.0 4.5	75 58
SMDA 132 MA2/6	5.5 1.8	2870 940	11.50 5.10	0.88 0.69	18.30 18.29	3.0 2.8	7.5 4.5	75 58
SMDA 132 MB2/6	7.0 2.2	2870 940	14.90 6.30	0.88 0.69	23.29 22.35	3.0 2.8	7.5 4.5	75 58
SMDA 160 MB2/6	8.0 2.5	2890 950	15.90 6.90	0.92 0.74	26.44 25.13	3.0 2.0	8.0 4.3	77 59
SMDA 160 LA2/6	11.0 3.6	2890 950	21.40 9.30	0.92 0.74	36.35 36.19	3.0 2.0	8.0 4.3	77 59
2/8 pole		3000 / 750 r.p.m.						
SMDA 63 C2/8	0.18 0.04	2850 635	0.60 0.45	0.78 0.70	0.60 0.60	2.2 1.9	5.0 2.1	55 42
SMDA 71 B2/8	0.25 0.06	2900 700	0.85 0.55	0.69 0.54	0.82 0.82	2.5 1.8	4.0 1.5	59 43
SMDA 71 C2/8	0.35 0.07	2900 700	1.05 0.75	0.70 0.52	1.15 0.96	2.5 2.2	4.3 1.6	59 43
SMDA 80 A2/8	0.37 0.09	2885 690	1.35 0.70	0.67 0.54	1.22 1.25	2.3 1.8	5.0 1.7	65 45
SMDA 80 B2/8	0.55 0.12	2885 690	1.75 0.90	0.67 0.54	1.82 1.66	2.3 2.0	5.0 1.7	65 45
SMDA 90 SB2/8	0.75 0.18	2800 610	1.90 1.05	0.77 0.65	2.56 2.82	3.0 2.1	5.1 1.9	72 46
SMDA 90 LA2/8	1.10 0.25	2800 640	2.70 1.45	0.80 0.64	3.75 3.73	3.0 2.1	5.1 1.9	72 46
SMDA 90 LB2/8	1.3 0.3	2820 640	3.10 1.75	0.81 0.58	4.40 4.48	3.2 2.4	5.7 2.0	72 46
SMDA 100 LA2/8	1.6 0.4	2810 660	3.70 2.00	0.85 0.58	5.44 5.79	2.7 2.0	5.3 2.2	73 49
SMDA 100 LB2/8	2.2 0.5	2800 660	4.80 2.50	0.90 0.59	7.50 7.23	2.8 2.3	5.7 2.3	73 49
SMDA 112 MB2/8	3.0 0.8	2860 690	6.30 3.50	0.87 0.63	10.02 11.07	3.3 2.6	7.5 3.2	75 61
SMDA 132 SB2/8	4.0 1.1	2880 680	8.90 4.00	0.85 0.60	13.26 15.45	3.0 1.9	7.0 3.3	75 62
SMDA 132 MA2/8	5.5 1.5	2870 680	11.50 5.60	0.88 0.59	18.30 21.07	3.0 2.0	7.5 3.0	75 62
SMDA 132MB2/8	7.0 1.8	2870 680	14.90 7.30	0.88 0.59	23.29 25.28	3.0 2.0	7.5 3.0	75 62
SMDA 160 MB2/8	8.0 2.2	2880 705	16.70 7.60	0.91 0.65	26.53 29.80	3.0 1.9	8.0 3.3	77 58
SMDA 160 LA2/8	11.0 3.0	2880 710	21.50 10.20	0.92 0.95	36.48 40.35	3.0 1.9	8.0 3.3	77 58

1. Motor characteristic values reported in the tables refer to voltage 3-400V 50 Hz, ambient temperature max. 40 °C, altitude up to 1000 m. above sea level operating condition. These are two speed motors and they are exempt from efficiency requirements of the regulation (UE) 2019/1781 - Article 2 (2) point n). I valori indicati si riferiscono al funzionamento del motore con alimentazione 3-400V 50 Hz, temperatura esterna max 40 °C, altitudine fino a 1000 m s.l.m., servizio continuo (S1). Questi sono motori a due velocità e sono esenti dai requisiti di efficienza del regolamento (UE) 2019/1781 - Articolo 2 (2) punto n).

2. The table shows the sound pressure noise level, measured at one metre range from the motor according to the Acurve (ISO 1680). The shown noise levels refer to motor no-load operating condition and should be regarded with a tolerance of ± 3dB. I valori di rumorosità si intendono a regime espressi in pressione sonora, misurati ad un metro di distanza dal motore e ponderati secondo la curva A (ISO 1680). La tolleranza sul valore indicato è di 3 dB.

2. MGM keeps the data provided as up-to-date and correct as possible. Since the products are subject to changes and improvements, the data indicated cannot be considered

binding. The data indicated must also be understood as being general in nature. For specific applications, please contact the MGM staff. La MGM motori elettrici SpA si adopera per mantenere i dati forniti il più possibile aggiornati e corretti. Dal momento che i prodotti sono oggetto di continue modifiche e miglioramenti i dati indicati non possono tuttavia essere considerati impegnativi. I dati indicati inoltre si devono intendere come informazioni di carattere generale sul prodotto. Per specifiche applicazioni Vi raccomandiamo di contattare lo staff della MGM.

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Motor type	Power (kW)	RPM	In (A) 400 V 50 Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	A-Sound pressure dB (A)
4/6 pole								1500 / 1000 r.p.m.
SMDA 71 C4/6	0.18 0.11	1415 930	0.60 0.50	0.76 0.66	1.21 1.13	1.9 2.0	3.0 2.3	45 45
SMDA 80 A4/6	0.25 0.18	1430 930	0.85 0.80	0.79 0.71	1.67 1.85	2.2 1.8	4.3 3.0	47 47
SMDA 80 B4/6	0.37 0.25	1430 930	1.05 0.95	0.79 0.71	2.47 2.57	2.2 1.8	4.3 3.0	47 47
SMDA 90 SA4/6	0.55 0.37	1420 950	1.60 1.45	0.78 0.62	3.70 3.72	1.9 2.1	3.8 3.3	55 54
SMDA 90 LB4/6	0.75 0.55	1420 950	2.20 1.90	0.78 0.62	5.04 5.53	2.0 2.1	3.8 3.3	55 54
SMDA 100 LA4/6	1.1 0.8	1445 955	3.00 2.40	0.76 0.71	7.27 8.00	2.0 2.1	5.3 4.4	57 56
SMDA 100 LB4/6	1.5 1.1	1440 950	3.90 3.30	0.75 0.68	9.95 11.06	2.0 2.1	5.2 4.4	57 56
SMDA 112 MB4/6	2.0 1.3	1385 930	4.40 3.50	0.88 0.75	13.79 13.35	2.6 2.1	5.3 4.4	75 61
SMDA 132 SB4/6	2.2 1.5	1440 950	5.10 4.40	0.78 0.69	14.59 15.08	2.9 2.6	7.0 5.5	75 62
SMDA 132 MA4/6	3.0 2.2	1440 950	6.40 6.00	0.81 0.71	19.90 22.12	2.7 2.4	7.0 5.0	75 62
SMDA 132 MB4/6	3.7 2.5	1440 950	8.20 7.00	0.78 0.69	24.54 25.13	2.9 2.6	7.0 5.5	75 62
SMDA 160 MB4/6	5.5 3.7	1390 940	11.10 8.90	0.93 0.81	37.79 37.59	2.5 2.3	5.8 5.2	63 59
SMDA 160 LB4/6	7.5 5.0	1390 940	15.20 12.20	0.93 0.81	51.53 50.80	2.5 2.3	6.0 5.2	63 59
4/12 pole								S3 40% 1500 / 500 r.p.m.
SMDA 80 A4/12	0.25 0.05	1425 435	0.85 0.60	0.77 0.663	1.68 1.10	1.8 1.9	3.7 1.6	47 43
SMDA 80B4/12	0.37 0.07	1425 435	1.05 0.75	0.77 0.63	2.48 1.54	1.8 1.9	3.7 1.6	47 43
SMDA 90 SA4/12	0.40 0.13	1360 380	1.25 1.05	0.73 0.59	2.81 3.27	2.5 2.0	3.5 1.6	55 44
SMDA 90 LA4/12	0.55 0.18	1400 400	1.65 1.20	0.76 0.64	3.75 4.30	2.5 1.8	3.5 1.6	55 44
SMDA 90 LB4/12	0.75 0.22	1370 400	2.05 1.60	0.76 0.65	5.23 5.25	2.5 2.0	3.5 1.6	55 44
SMDA 100 LA4/12	0.90 0.25	1440 450	2.30 2.10	0.76 0.50	5.97 5.31	2.2 1.8	5.3 1.7	57 47
SMDA 100 LB4/12	1.10 0.35	1440 450	2.80 2.60	0.76 0.50	7.30 7.43	2.2 1.8	5.3 1.7	57 47
SMDA 112 MB4/12	1.50 0.45	1420 440	3.40 2.40	0.84 0.55	10.09 9.77	2.2 2.0	6.0 2.2	75 61
SMDA 132 SA4/12	2.50 0.80	1440 440	5.40 3.80	0.81 0.53	16.58 17.36	2.7 1.6	7.0 2.4	75 62
SMDA 132 MA4/12	3.00 1.00	1440 440	6.40 4.50	0.81 0.53	19.90 21.70	2.7 1.6	7.0 2.4	75 62
SMDA 132 MB4/12	4.00 1.30	1140 440	8.50 5.90	0.81 0.55	33.51 28.22	2.7 1.6	7.0 2.4	75 62
SMDA 160 MB4/12	4.80 1.60	1425 455	10.00 7.20	0.89 0.57	32.17 33.58	2.8 2.0	7.5 3.0	63 61
SMDA 160 LB4/12	7.30 2.40	1410 445	15.20 10.10	0.90 0.61	49.44 51.51	2.8 2.0	7.0 3.0	63 61

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