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铝壳三相异步电动机

Aluminium Three Phase Asynchronous Motor

MS系列铝壳三相异步电动机和YE3铁壳三相异步电动机在电机的电气性能上没有差别,只是采用了铝合金压铸机座、端盖、接线盒,其安装尺寸与功率等级和Y2系列电机保持一致。与铁壳电机相比,铝壳电机具有美观不易生锈、质量轻、散热好、延展性高等优点。因为铝壳电机机械强度不如铁壳电机,它主要运用于小功率电机。

MS series aluminum three-phase asynchronous motor and YE3 iron shell three-phase asynchronous motor have no difference in the electrical performance of the motor, just aluminum motor use aluminum alloy die-casting frame, end cover, junction box, and its installation size and power level is consistent with Y2 series motor. Compared with the iron motor, the aluminum motor has the advantages of beautiful appearance, not easy to rust, light weight, good heat dissipation and high ductility. Because the mechanical strength of the aluminum motor is not as good as that of the iron motor, it is mainly used in low-power motors.

• 技术参数 (Parameters)

型号 Model	额定功率		电流 IN (A)			转速 (rpm)	效率 (%)	功率因数 (cosp)	额定转矩 Tn N.m	堵转转矩 /	最大转矩 /	堵转电流 /	惯量 10 ⁻³ kgm ²	重量 Weight kg
	KW	HP	380V	400V	415V					额定转矩 Tsn/In	额定转矩 Tmax/Tn	额定电流 Isn/In		
MS-63M1-2	0.18	0.25	0.53	0.50	0.49	2720	65.9	0.8	0.63	2.2	2.2	5.5	0.00031	--
MS-63M2-2	0.25	0.35	0.69	0.66	0.63	2720	69.7	0.81	0.88	2.2	2.2	5.5	0.00060	--
MS-71M1-2	0.37	0.5	0.99	0.94	0.91	2740	73.8	0.81	1.29	2.2	2.2	6.1	0.00075	--
MS-63M2-2	0.55	0.75	1.40	1.33	1.28	2740	77.8	0.82	1.92	2.2	2.3	6.1	0.00090	--
MS-80M1-2	0.75	1.0	1.77	0.68	1.62	2830	80.7	0.83	2.53	2.2	2.3	6.1	0.00120	15
MS-80M2-2	1.1	1.5	2.50	2.38	2.29	2830	82.7	0.84	3.71	2.2	2.3	7.0	0.00140	16.5
MS-90S-2	1.5	2.0	3.34	3.17	3.06	2840	84.2	0.84	5.04	2.2	2.3	7.0	0.00290	20
MS-90L-2	2.2	3.0	4.73	4.49	4.33	2840	85.9	0.85	7.40	2.2	2.3	7.0	0.00550	24
MS-100L-2	3.0	4.0	6.19	5.88	5.67	2870	87.1	0.87	9.98	2.2	2.3	7.5	0.01090	31
MS-112M-2	4.0	5.5	8.05	7.65	7.37	2890	88.1	0.88	13.22	2.2	2.3	7.5	0.01260	38
MS-132S1-2	5.5	7.5	10.9	10.4	10.0	2900	89.2	0.88	18.11	2.2	2.3	7.5	0.03770	58
MS-132S2-2	7.5	10	14.7	14.0	13.5	2900	90.1	0.88	24.70	2.2	2.3	7.5	0.04990	62
MS-132M-2	9	12	17.6	16.6	16.0	2930	90.6	0.88	29.6	2.2	2.3	7.5	0.0510	--
MS-160M1-2	11	15	21	20.0	19.2	2930	91.2	0.89	35.85	2.2	2.3	7.5	0.05500	103
MS-160M2-2	15	20	28.4	27.0	26.0	2930	91.9	0.89	48.89	2.2	2.3	7.5	0.07500	112
MS-160L-4	18.5	25	34.4	32.7	31.5	1310	92.4	0.90	60.30	2.2	2.3	7.5	0.12400	135
MS-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	64.8	0.72	0.87	2.1	2.3	4.4	0.00050	--
MS-63M2-4	0.18	0.25	0.62	0.59	0.57	1330	69.9	0.73	1.31	2.1	2.2	4.4	0.00060	--
MS-71M1-4	0.25	0.35	0.79	0.75	0.72	1330	73.5	0.74	1.80	2.1	2.2	5.2	0.00080	--
MS-63M2-4	0.37	0.5	1.12	1.06	1.03	1390	77.3	0.75	2.66	2.1	2.2	5.5	0.00130	--
MS-80M1-4	0.55	0.75	1.57	1.49	1.44	1390	80.8	0.75	3.78	2.4	2.2	5.2	0.00180	14.5
MS-80M2-4	0.75	1	1.88	1.79	1.72	1400	82.5	0.76	5.15	2.3	2.3	6.0	0.00210	15
MS-90S-4	1.1	1.5	2.67	2.54	2.44	1400	84.1	0.77	7.5	2.3	2.3	6.0	0.00230	19
MS-90L-4	1.5	2	3.48	3.31	3.19	1430	85.3	0.79	10.23	2.3	2.3	6.0	0.00270	23
MS-100L1-4	2.2	3	4.9	4.65	4.49	1430	86.7	0.81	14.69	2.3	2.3	7.0	0.00540	30
MS-100L2-4	3	4	6.5	6.18	5.95	140	87.7	0.82	20.03	2.3	2.3	7.0	0.00670	33
MS-112M-4	4	5.5	8.56	8.13	7.84	1440	88.6	0.82	26.53	2.3	2.3	7.0	0.00950	43
MS-132S-4	5.5	7.5	11.5	10.9	10.5	1440	89.6	0.83	36.48	2.3	2.3	7.0	0.02140	60
MS-132M-4	7.5	10	15.3	14.5	14.0	1440	90.4	0.84	49.74	2.3	2.3	7.0	0.02960	69
MS-132M1-4	9	12	18.3	17.4	16.8	1460	91.0	0.84	59.69	2.3	2.3	7.0	0.03806	--
MS-160M1-4	11	15	22.2	21.1	20.3	1460	91.4	0.84	71.95	2.3	2.3	7.0	0.07470	--
MS-160L-4	15	20	29.6	28.1	27.1	1460	92.1	0.85	98.12	2.2	2.3	7.5	0.09180	130
MS-63M1-6	0.09	0.12	0.52	0.49	0.48	840	48.0	0.60	1.02	2.2	2.3	3.5	0.00025	--
MS-63M2-6	0.12	0.18	0.63	0.60	0.58	840	57.7	0.60	1.36	1.8	1.9	3.5	0.00040	--
MS-71M1-6	0.18	0.25	0.74	0.70	0.68	850	63.9	0.66	2.02	1.8	2.0	4.0	0.00110	--
MS-71M2-6	0.25	0.37	0.95	0.90	0.87	850	68.6	0.68	2.81	1.9	2.0	4.0	0.00140	--
MS-80M1-6	0.37	0.5	1.3	1.24	1.19	890	73.5	0.70	3.97	1.9	2.0	4.7	0.00160	15.5
MS-80M2-6	0.55	0.75	1.79	1.70	1.64	890	77.2	0.72	5.90	1.9	2.1	4.7	0.00190	16.5
MS-90S-6	0.75	1	2.09	1.99	1.91	910	78.9	0.72	7.87	1.9	2.1	5.5	0.00290	20
MS-90L-6	1.1	1.5	2.93	2.78	2.68	910	81.0	0.73	11.54	2.0	2.1	5.5	0.00350	24
MS-100L-6	1.5	2	3.81	3.62	3.49	940	82.5	0.75	15.24	2.0	2.1	5.5	0.00690	29
MS-112M-6	2.2	3	5.38	5.11	4.93	940	84.3	0.76	22.35	2.0	2.1	6.5	0.01400	37
MS-132S-6	3	4	7.2	6.84	6.59	960	85.6	0.76	29.84	2.1	2.1	6.5	0.02860	53
MS-132M1-6	4	5.5	9.45	8.98	8.65	960	86.8	0.76	39.79	2.1	2.1	6.5	0.03570	64
MS-132M2-6	5.5	7.5	2.6	12.0	11.50	960	88.0	0.77	54.71	2.1	2.1	6.5	0.04490	72
MS-160M-6	7.5	10	17	16.2	15.60	970	89.1	0.77	73.84	2.0	2.1	6.5	0.08100	97
MS-160L-6	11	15	24.2	23.0	22.20	970	90.3	0.78	108.30	2.0	2.1	6.5	0.11600	126

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