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MOTORI ELETTRICI

TYPE - ***SERIE***: MS-EMS / MY / MSEJ

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ALUMINIUM HOUSING

MS EMS SERIES

THREE-PHASE ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Trifase

OPERATING CONDITIONS - Condizioni di operatività

- Ambient temperature / Temperatura : -15 ℃ ⩽ ⩽40 ℃
- Rated voltage / Tensione nominale: ±5%
- Duty:continuous / Servizio continuo: (S)
- Protection Class / Classe di protezione: IP44/IP54/IP55
- Insulation Class / Classe d'insolamento :B/F
- Cooling method / Metodo di raffreddamento: ICO141

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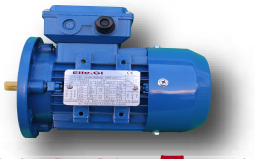

MS SERIE
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

MS series aluminium housing three-phase asynchronous motors, with latest design in entirety, It's made of superior materials and conform to the IEC standard. MS motors have good performance, safety reliable operation and nice appearance, it can be maintained very conveniently while with low noises, little vibration, light weight and simple construction. These series motors can be used for general drive.

La Serie dei motori asincroni trifase MS in alluminio è prodotta con ottimo materiale e conforme allo standard. I motori hanno ottime prestazioni e gradevole estetica. Possono essere molto convenienti pur avendo bassa rumorosità, piccole vibrazioni, pesi leggeri e construzione semplice. Possono essere utilizzati per applicazioni generiche.

2 POLES - 2 POLI

TYPE	Power (KW)	Current (A)			Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn (Times)	Tmax/Tn (Times)	Ist/In (Times)
		220V	380V	660V						
MS561-2	0.09	0.64	0.37		2670	57	0.65	2.2	2.4	6
MS562-2	0.12	0.74	0.43		2730	62	0.69	2.2	2.4	6
MS563-2	0.18	1.0	0.58		2750	65	0.72	2.2	2.4	6
MS631-2	0.18	1.00	0.58		2710	63	0.75	2.2	2.4	6
MS632-2	0.25	1.29	0.75		2710	65	0.78	2.2	2.4	6
MS633-2	0.37	1.92	1.11		2710	65	0.78	2.2	2.4	6
MS711-2	0.37	1.76	1.02		2730	70	0.79	2.2	2.4	6
MS712-2	0.55	2.57	1.49		2760	71	0.79	2.2	2.4	6
MS713-2	0.75	3.33	1.93		2730	72	0.82	2.2	2.4	6
MS801-2	0.75	3.21	1.86		2770	73	0.84	2.2	2.4	6
MS802-2	1.1	4.56	2.64		2770	76	0.83	2.2	2.4	6
MS803-2	1.5	6.04	3.50		2800	78	0.83	2.2	2.4	6
MS90S-2	1.5	5.97	3.46		2840	78	0.84	2.2	2.4	6
MS90L1-2	2.2	8.39	4.85		2840	81	0.85	2.2	2.4	6
MS90L2-2	3	11.08	6.42		2840	82	0.86	2.2	2.4	6
MS100L1-2	3	10.96	6.34		2840	82	0.87	2.2	2.3	7
MS100L2-2	4		8.30	4.78	2850	84	0.87	2.2	2.3	7.5
MS112M-2	4		8.30	4.78	2880	84	0.87	2.2	2.3	7.5
MS112L-2	5.5		11.08	6.38	2880	85	0.88	2.2	2.3	7.5
MS132S1-2	5.5		11.08	6.38	2900	85	0.88	2.0	2.2	7.5
MS132S2-2	7.5		14.88	8.57	2920	87	0.88	2.0	2.2	7.5
MS132M1-2	9.2		17.85	10.28	2930	88	0.89	2.0	2.2	7.5
MS132M2-2	11		21.01	12.09	2930	88	0.9	2.0	2.2	7.5
MS160M1-2	11		21.01	12.09	2940	88	0.9	2.0	2.2	7.5
MS160M2-2	15		28.01	16.13	2940	89	0.91	2.0	2.2	7.5
MS160L-2	18.5		34.32	19.76	2940	90	0.91	2.0	2.2	7.5

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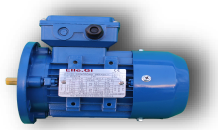

MS SERIE
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

TECHNICAL DATAAT 50Hz

	TYPE	Power (KW)	Current (A)			Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn (Times)	Tmax/Tn (Times)	Ist/In (Times)
			220V	380V	660V						
4 POLES - 4 POLI	MS561-4	0.06	0.55	0.32		1320	48	0.59	2.3	2.4	6
	MS562-4	0.09	0.77	0.45		1320	50	0.61	2.3	2.4	6
	MS563-4	0.12	0.96	0.56		1320	52	0.63	2.2	2.4	6
	MS631-4	0.12	0.86	0.50		1350	57	0.64	2.2	2.4	6
	MS632-4	0.18	1.23	0.71		1350	59	0.65	2.2	2.4	6
	MS633-4	0.25	1.66	0.96		1350	60	0.66	2.2	2.4	6
	MS711-4	0.25	1.52	0.88		1350	60	0.72	2.2	2.4	6
	MS712-4	0.37	2.02	1.17		1370	65	0.74	2.2	2.4	6
	MS713-4	0.55	2.92	1.69		1380	66	0.75	2.2	2.4	6
	MS801-4	0.55	2.87	1.66		1370	67	0.75	2.2	2.4	6
	MS802-4	0.75	3.50	2.03		1380	72	0.78	2.2	2.4	6
	MS803-4	1.1	4.86	2.81		1390	76	0.78	2.2	2.4	6
	MS90S-4	1.1	4.80	2.78		1400	76	0.79	2.2	2.4	6
	MS90L1-4	1.5	6.27	3.63		1400	78	0.8	2.2	2.4	6
	MS90L2-4	2.2	8.91	5.16		1400	81	0.8	2.2	2.3	7
	MS100L1-4	2.2	8.80	5.09		1420	81	0.81	2.2	2.3	7
	MS100L2-4	3	11.77	6.81		1420	82	0.81	2.2	2.2	7
	MS100L3-4	4		8.80	5.07	1430	84	0.82	2.2	2.2	7
	MS112M-4	4		8.70	5.01	1430	84	0.83	2.2	2.2	7
	MS112L-4	5.5		11.75	6.76	1440	85	0.83	2.2	2.2	7
	MS132S-4	5.5		11.61	6.68	1450	85	0.84	2.2	2.2	7
	MS132M-4	7.5		15.41	8.87	1450	87	0.85	2.2	2.2	7
	MS132L1-4	9.2		18.79	10.82	1460	87	0.85	2.2	2.2	7.5
	MS132L2-4	10		20.31	11.69	1460	88	0.85	2.2	2.2	7.5
	MS132L3-4	11		21.98	12.66	1460	88	0.86	2.2	2.2	7.5
	MS160M-4	11		21.73	12.51	1460	88	0.87	2.2	2.2	7
	MS160L-4	15		29.63	17.06	1460	88	0.87	2.2	2.2	7.5
6 POLES - 6 POLI	MS801-6	0.37	2.24	1.30		900	62	0.7	1.9	1.9	4
	MS802-6	0.55	2.99	1.73		900	67	0.72	2	2.3	4
	MS803-6	0.75	4.02	2.33		900	68	0.72	2	2.3	4
	MS90S-6	0.75	3.96	2.29		920	69	0.72	2.2	2.2	5.5
	MS90L-6	1.1	5.49	3.18		925	72	0.73	2.2	2.2	5.5
	MS100L-6	1.5	7.00	4.05		945	74	0.76	2.2	2.2	6
	MS112M-6	2.2	9.74	5.64		955	78	0.76	2.2	2.2	6
	MS132S-6	3	13.11	7.59		960	79	0.76	2	2	6.5
	MS132M1-6	4		9.93	5.72	960	80	0.76	2	2	6.5
	MS132M2-6	5.5		13.08	9.54	960	83	0.77	2	2	6.5
	MS132L-6	7.5		17.41	13.92	960	85	0.77	2	2	6.5
	MS160M-6	7.5		16.56		960	86	0.8	2	2.2	6.5
	MS160L-6	11		24.18		960	87	0.79	2	2.2	6.5

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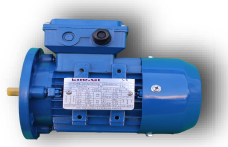

EMS SERIE - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

	Model	Power (KW)	Eff (%)	Current (A)	Power Factor (Cos Φ)	Speed (r/min)	Tmax/Tn (Times)	Ts/Tn (Times)	Ist/In (Times)
2 POLES - 2 POLI	EMS801-2	0.75	77.4	1.68	0.8	2840	3.3	2.9	5.8
	EMS802-2	1.1	80	2.42	0.82	2850	3.6	3.5	6.8
	EMS90S-2	1.5	81.4	3.2	0.83	2850	3.6	3.5	6.9
	EMS90L-2	2.2	83.2	4.48	0.84	2860	4.1	4.1	7.9
	EMS100L-2	3	84.6	5.88	0.87	2880	3.4	3.4	7.8
	EMS112M-2	4	86	7.54	0.89	2890	3.3	2.7	7.5
	EMS132S-2	5.5	87.2	10.42	0.89	2900	3	2.4	7.7
	EMS132M-2	7.5	88.1	13.91	0.89	2910	3.2	2.6	8.4
	EMS160M1-2	11	89.4	20.34	0.89	2930	3.1	2.4	7.6
	EMS160M2-2	15	90.3	26.54	0.89	2930	3.2	2.6	8
	EMS160L-2	18.5	90.9	32.41	0.9	2940	3.5	3	9
4 POLES - 4 POLI	EMS802-4	0.75	79.6	1.79	0.76	1410	3	2.8	5.3
	EMS90S-4	1.1	81.4	2.5	0.78	1420	2.6	3.8	6.7
	EMS90L-4	1.5	82.8	3.76	0.79	1420	2.7	4	7.2
	EMS100L1-4	2.2	84.3	4.83	0.78	1440	3.6	3.6	7.4
	EMS100L2-4	3	85.5	6.33	0.8	1440	3.5	3.8	7.8
	EMS112M-4	4	86.6	8.23	0.81	1440	2.9	3.1	7.1
	EMS132S-4	5.5	87.9	10.6	0.83	1450	2.7	2.6	7.4
	EMS132M-4	7.5	88.7	14.15	0.84	1450	2.7	2.8	7.7
	EMS160M-4	11	89.8	20.15	0.82	1450	3.1	2.7	7.7
	EMS160L-4	15	90.6	28.4	0.84	1450	2.6	2.4	7.3
6 POLES - 6 POLI	EMS90S-6	0.75	76	2.01	0.71	925	3.1	3.1	4.7
	EMS90L-6	1.1	78.1	2.82	0.72	930	3.2	3.2	5
	EMS100L-6	1.5	80	3.71	0.73	940	2.9	3.1	5.9
	EMS112M-6	2.2	81.8	5.23	0.75	945	2.8	2.6	5.5
	EMS132S-6	3	83.3	6.69	0.76	960	2.7	2.2	5.7
	EMS132M1-6	4	84.6	9.07	0.77	960	2.7	2.4	6.2
	EMS132M2-6	5.5	86	12	0.77	960	2.7	2.6	6.7
	EMS160M-6	7.5	87.5	19.18	0.77	970	2.8	2	5.6
	EMS160L-6	11	89	27.53	0.78	970	2.8	2	5.8

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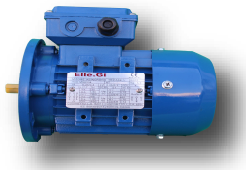
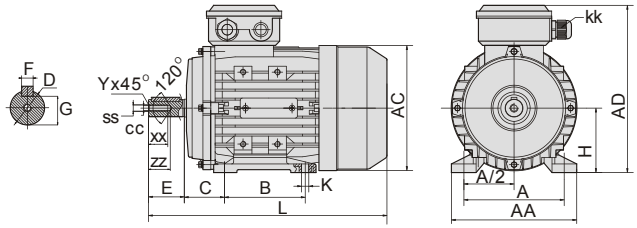


MS - EMS SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

IMB3



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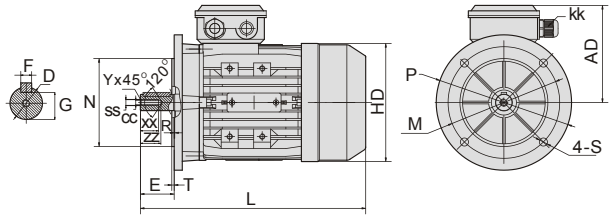

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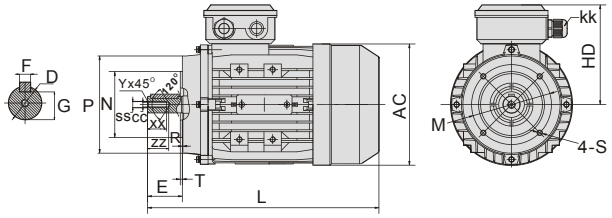

B3 OVERALL & INSTALLATION DIMENSION

Frame	H	A	B	C	D	E	F	G	K	AA	AD	AC	L	KK	SS	XX	ZZ	CC	Y
56	56	90	71	36	9	20	3	7.2	5.8X5.8	110	156/151	Φ120	195	1-M16X1.5	M3	8	12	2.5	0.5
63	63	100	80	40	11	23	4	8.5	7X10	120	173/165	Φ130	230	1-M16X1.5	M4	10	15	3.3	0.8
71★★	71	112	90	45	14	30	5	11	7X10	132	188/180	Φ145	260	1-M20X1.5	M5	12	18	4.2	0.8
80	80	125	100	50	19	40	6	15.5	10X13	160	217	Φ165	295	1-M20X1.5	M6	16	22	5	1
90S	90	140	100	56	24	50	8	20	10X13	175	235	Φ185	335	1-M20X1.5	M8	20	25	6.8	1
90L1/L2	90	140	125	56	24	50	8	20	10X13	175	235	Φ185	365	1-M20X1.5	M8	20	25	6.8	1
100★★	100	160	140	63	28	60	8	24	12X16	196	252	Φ205	400	1-M20X1.5	M10	22	28	8.5	1.5
112	112	190	140	70	28	60	8	24	12X16	220	292	Φ230	400	2-M25X1.5	M10	22	28	8.5	1.5
132S	132	216	140	89	38	80	10	33	12X16	252	325	Φ270	440	2-M25X1.5	M12	28	34	10.2	1.5
132M/L	132	216	178	89	38	80	10	33	12X16	252	325	Φ270	480/500	2-M25X1.5	M12	28	34	10.2	1.5
160M/L	160	254	210/254	108	42	110	12	37	15X19	290	390	Φ320	640	2-M32X1.5	M16	35	42	14.2	2

B5 OVERALL & INSTALLATION DIMENSION

Frame	B5						B5R						D	E	F	G	KK	AC	HD	L	SS	XX	ZZ	CC	Y
	M	N	P	T	S	R	M	N	P	T	S	R													
56	Φ98	Φ80	Φ120	3.0	Φ7	0							Φ9	20	3	7.2	1-M16X1.5	Φ120	100/95	195	M3	8	12	2.5	0.5
63	Φ115	Φ95	Φ140	3.0	Φ10	0						0	Φ11	23	4	8.5	1-M16X1.5	Φ130	110/102	230	M4	10	15	3.3	0.8
71★★	Φ130	Φ110	Φ160	3.5	Φ10	0	Φ115	Φ95	Φ140	3.0	Φ10	0	Φ14	30	5	11	1-M20X1.5	Φ145	117/109	260	M5	12	18	4.2	0.8
80	Φ165	Φ130	Φ200	3.5	Φ12	0	Φ130	Φ110	Φ160	3.5	Φ10	0	Φ19	40	6	15.5	1-M20X1.5	Φ165	137	295	M6	16	22	5	1
90S	Φ165	Φ130	Φ200	3.5	Φ12	0	Φ130	Φ110	Φ160	3.5	Φ12	0	Φ24	50	8	20	1-M20X1.5	Φ185	145	335	M8	20	25	6.8	1
90L1/L2	Φ165	Φ130	Φ200	3.5	Φ12	0	Φ130	Φ110	Φ160	3.5	Φ12	0	Φ24	50	8	20	1-M20X1.5	Φ185	145	365	M8	20	25	6.8	1
100★★	Φ215	Φ180	Φ250	4.0	Φ15	0	Φ165	Φ130	Φ200	3.5	Φ12	0	Φ28	60	8	24	1-M20X1.5	Φ205	152	400	M10	22	28	8.5	1.5
112	Φ215	Φ180	Φ250	4.0	Φ15	0	Φ165	Φ130	Φ200	3.5	Φ12	0	Φ28	60	8	24	2-M25X1.5	Φ230	180	400	M10	22	28	8.5	1.5
132S	Φ265	Φ230	Φ300	4.0	Φ15	0	Φ215	Φ180	Φ250	4.0	Φ15	0	Φ38	80	10	33	2-M25X1.5	Φ270	193	440	M12	28	34	10.2	1.5
132M/L	Φ265	Φ230	Φ300	4.0	Φ15	0	Φ215	Φ180	Φ250	4.0	Φ15		Φ38	80	10	33	2-M25X1.5	Φ270	193	480/500	M12	28	34	10.2	1.5
160M/L	Φ300	Φ250	Φ350	5.0	Φ19	0							Φ42	110	12	37	2-M32X1.5	Φ320	230	640	M16	35	42	14.2	2

B14 OVERALL & INSTALLATION DIMENSION

Frame	B14						B14B						D	E	F	G	KK	AC	HD	L	SS	XX	ZZ	CC	Y
	N	M	P	T	S	R	N	M	P	T	S	R													
56	Φ50	Φ65	Φ80	2.5	M5	0							Φ9	20	3	7.2	1-M16X1.5	Φ120	100/95	195	M3	8	12	2.5	0.5
63	Φ60	Φ75	Φ90	2.5	M5	0	Φ80	Φ100	Φ120	3.0	M6		Φ11	23	4	8.5	1-M16X1.5	Φ130	110/102	230	M4	10	15	3.3	0.8
71★★	Φ70	Φ85	Φ105	2.5	M6	0	Φ95	Φ115	Φ140	3.0	M8	0	Φ14	30	5	11	1-M20X1.5	Φ145	117/109	260	M5	12	18	4.2	0.8
80	Φ80	Φ100	Φ120	3.0	M6	0	Φ110	Φ130	Φ160	3.5	M8	0	Φ19	40	6	15.5	1-M20X1.5	Φ165	137	295	M6	16	22	5	1
90S	Φ95	Φ115	Φ140	3.0	M8	0	Φ110	Φ130	Φ160	3.5	M8	0	Φ24	50	8	20	1-M20X1.5	Φ185	145	335	M8	20	25	6.8	1
90L1/L2	Φ95	Φ115	Φ140	3.0	M8	0	Φ110	Φ130	Φ160	3.5	M8	0	Φ24	50	8	20	1-M20X1.5	Φ185	145	365	M8	20	25	6.8	1
100★★	Φ110	Φ130	Φ160	3.5	M8	0	Φ130	Φ165	Φ200	3.5	M10	0	Φ28	60	8	24	1-M20X1.5	Φ205	152	400	M10	22	28	8.5	1.5
112	Φ110	Φ130	Φ160	3.5	M8	0	Φ130	Φ165	Φ200	3.5	M10	0	Φ28	60	8	24	2-M25X1.5	Φ230	180	400	M10	22	28	8.5	1.5
132S	Φ130	Φ165	Φ200	3.5	M10	0	Φ180	Φ215	Φ250	4.0	M12	0	Φ38	80	10	33	2-M25X1.5	Φ270	193	440	M12	28	34	10.2	1.5
132M/L	Φ130	Φ165	Φ200	3.5	M10	0	Φ180	Φ215	Φ250	4.0	M12	0	Φ38	80	10	33	2-M25X1.5	Φ270	193	480/500	M12	28	34	10.2	1.5

★★:This frame size has two housing size, the rated output is for normal "L" size, and increased output is for the bigger "L" size (refer to the figures in the bracket "()")

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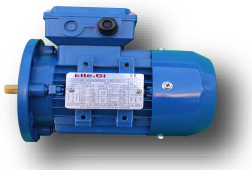
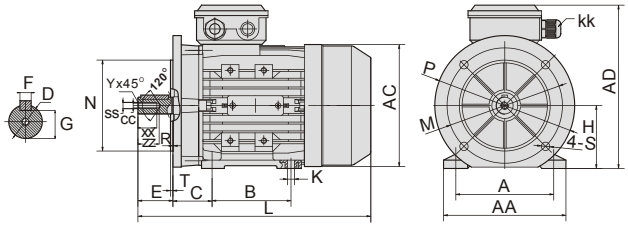
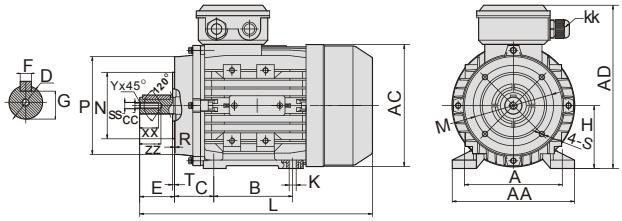


MS - EMS SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

IMB35



IMB34



B35 OVERALL & INSTALLATION DIMENSION

Frame	H	B35						B35R						A	B	C	D	E	F
		M	N	P	T	R	S	N	M	P	T	R	S						
56	56	Φ 98	Φ 80	Φ 120	3.0	0	Φ 7							90	71	36	9	20	3
63	63	Φ115	Φ 95	Φ 140	3.0	0	Φ10							100	80	40	11	23	4
71★★	71	Φ130	Φ110	Φ 160	3.5	0	Φ10	Φ 95	Φ 115	Φ140	3.0	0	Φ10	112	90	45	14	30	5
80	80	Φ165	Φ130	Φ 200	3.5	0	Φ12	Φ 110	Φ 130	Φ160	3.5	0	Φ10	125	100	50	19	40	6
90S	90	Φ165	Φ130	Φ 200	3.5	0	Φ12	Φ 110	Φ 130	Φ160	3.5	0	Φ12	140	100	56	24	50	8
90L1/L2	90	Φ165	Φ130	Φ 200	3.5	0	Φ12	Φ 110	Φ 130	Φ160	3.5	0	Φ12	140	125	56	24	50	8
100★★	100	Φ215	Φ180	Φ 250	4.0	0	Φ15	Φ 130	Φ 165	Φ200	3.5	0	Φ12	160	140	63	28	60	8
112	112	Φ215	Φ180	Φ 250	4.0	0	Φ15	Φ 130	Φ 165	Φ200	3.5	0	Φ12	190	140	70	28	60	8
132S	132	Φ265	Φ230	Φ 300	4.0	0	Φ15	Φ 180	Φ 215	Φ250	4.0	0	Φ15	216	140	89	38	80	10
132M/L	132	Φ265	Φ230	Φ 300	4.0	0	Φ15	Φ 180	Φ 215	Φ250	4.0	0	Φ15	216	178	89	38	80	10
160M/L	160	Φ300	Φ250	Φ 350	5.0	0	Φ19							254	210/254	108	42	110	12

Frame	G	K	KK	AA	AD	AC	L	SS	XX	ZZ	CC	Y
56	7.2	5.8X5.8	1-M16X1.5	110	156/151	Φ120	195	M3	8	12	2.5	0.5
63	8.5	7X10	1-M16X1.5	120	173/165	Φ130	230	M4	10	15	3.3	0.8
71★★	11	7X10	1-M20X1.5	132	188/180	Φ145	260	M5	12	18	4.2	0.8
80	15.5	10X13	1-M20X1.5	160	217	Φ165	295	M6	16	22	5	1
90S	20	10X13	1-M20X1.5	175	235	Φ185	335	M8	20	25	6.8	1
90L1/L2	20	10X13	1-M20X1.5	175	235	Φ185	365	M8	20	25	6.8	1
100★★	24	10X13	1-M20X1.5	196	252	Φ205	400	M10	22	28	8.5	1.5
112	24	12X16	2-M25X1.5	220	292	Φ230	400	M10	22	28	8.5	1.5
132S	33	12X16	2-M25X1.5	252	325	Φ270	440	M12	28	34	10.2	1.5
132M/L	33	12X16	2-M25X1.5	252	325	Φ270	480/500	M12	28	34	10.2	1.5
160M/L	37	15X19	2-M32X1.5	290	290	Φ320	640	M16	35	42	14.2	2

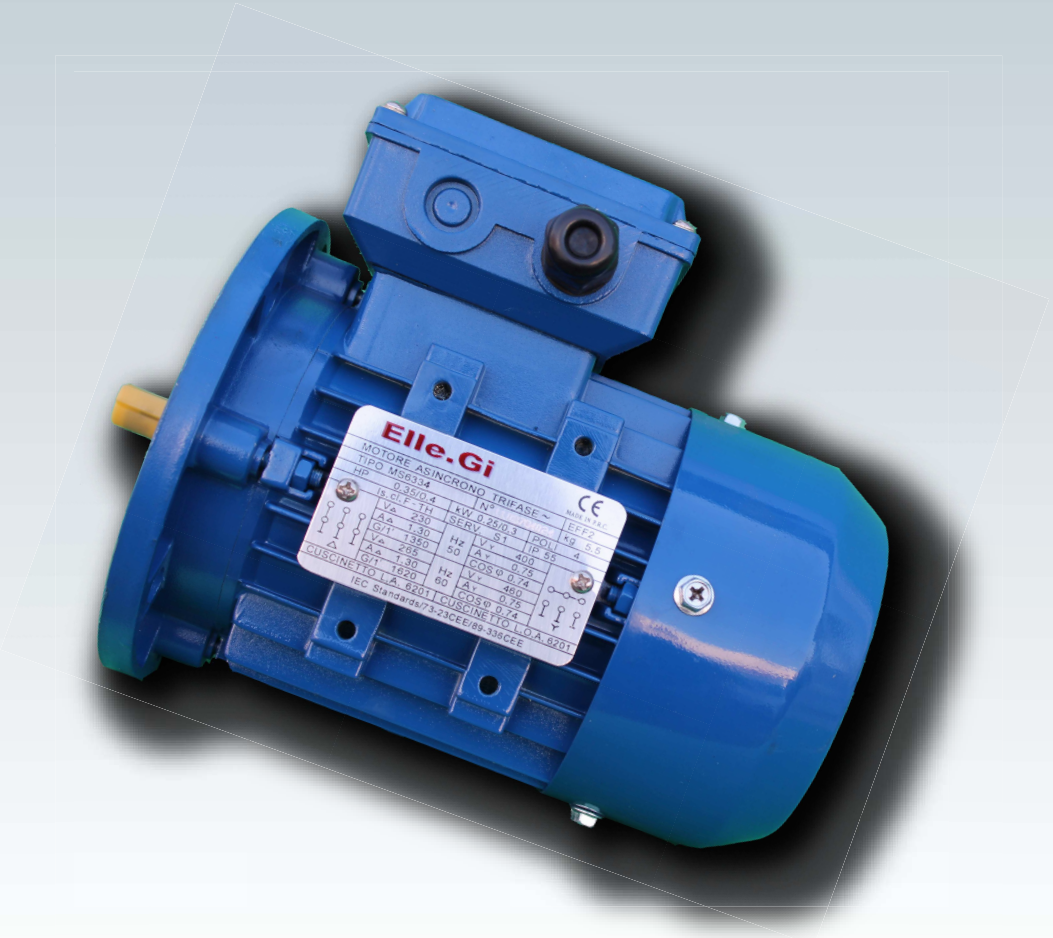
B34 OVERALL & INSTALLATION DIMENSION

Frame	H	B34								A	B	C	D	E	F	G	K	KK
			N	P	M T	R	S	N	M									
56	56	Φ 65	Φ 50	Φ 80	2.5	0	M5			90	71	36	Φ 9	20	3	7.2	5.8X5.8	1-M16X1.5
63	63	Φ 75	Φ 60	Φ 90	2.5	0	M5	Φ 90	Φ 100	100	80	40	Φ 11	23	4	8.5	7X10	1-M16X1.5
71★★	71	Φ 85	Φ 70	Φ105	2.5	0	M6	Φ 95	Φ 115	112	90	45	Φ 14	30	5	11	7X10	1-M20X1.5
80	80	Φ100	Φ 80	Φ120	3.0	0	M6	Φ 110	Φ 130	125	100	50	Φ 19	40	6	15.5	10X13	1-M20X1.5
90S	90	Φ115	Φ 95	Φ140	3.0	0	M8	Φ 110	Φ 130	140	100	56	Φ 24	50	8	20	10X13	1-M20X1.5
90L1/L2	90	Φ115	Φ 95	Φ140	3.0	0	M8	Φ 110	Φ 130	140	125	56	Φ 24	50	8	20	10X13	1-M20X1.5
100★★	100	Φ130	Φ110	Φ160	3.5	0	M8	Φ 130	Φ 165	160	140	63	Φ 28	60	8	24	10X13	1-M20X1.5
112	112	Φ130	Φ110	Φ160	3.5	0	M8	Φ 130	Φ 165	190	140	70	Φ 28	60	8	24	12X16	2-M25X1.5
132S	132	Φ165	Φ130	Φ200	3.5	0	M10	Φ 180	Φ 215	216	140	89	Φ 38	80	10	33	12X16	2-M25X1.5
132M/L	132	Φ165	Φ130	Φ200	3.5	0	M10	Φ 180	Φ 215	216	178	89	Φ 38	80	10	33	12X16	2-M25X1.5

Frame	B34B				AC	AD	AA	L	SS	XX	ZZ	CC	Y
	P	T	R	S									
56					Φ 120	156/151	110	195	M3	8	12	2.5	0.5
63	Φ 120	3.0	0	M6	Φ 130	173/165	120	230	M4	10	15	3.3	0.8
71★★	Φ 140	3.0	0	M8	Φ 145	188/180	132	260	M5	12	18	4.2	0.8
80	Φ 160	3.5	0	M8	Φ 165	217	160	295	M6	16	22	5	1
90S	Φ 160	3.5	0	M8	Φ 185	235	175	335	M8	20	25	6.8	1
90L1/L2	Φ 160	3.5	0	M8	Φ 185	235	175	365	M8	20	25	6.8	1
100★★	Φ 200	3.5	0	M10	Φ 205	252	196	400	M10	22	28	8.5	1.5
112	Φ 200	3.5	0	M10	Φ 230	292	220	400	M10	22	28	8.5	1.5
132S	Φ 250	4.0	0	M12	Φ 270	325	252	440	M12	28	34	10.2	1.5
132M/L	Φ 250	4.0	0	M12	Φ 270	325	252	480/500	M12	28	34	10.2	1.5

:This frame size has two housing size, the rated output is for normal "L" size, and increased output is for the bigger "L" size (refer to the figures in the bracket "()")

Elle.Gi



CAST IRON HOUSING

Y2 EY2 SERIES

THREE-PHASE ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Trifase

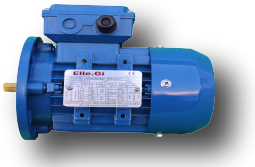
OPERATING CONDITIONS - Condizioni di operatività

- Ambient temperature / Temperatura Ambiente: -15℃ ≤ ≤ 40℃
- Rated voltage / Tesione nominale: 5%
- Protection Class / Classe di protezione:IP44/IP54
- Insulation Class / Classe d'insolamento:B/F
- Cooling method / Metodo di raffreddamento:ICO141
- Duty / Servizio:continuous(S)

Y2 series three-phase asynchronous motor is designed specially for European market, whose terminal box is located on the top of motor. The motor has a very compact structure and attractive appearance, the sizes and mounting dimensions are all in conformity with IEC standard. The motor has some good feature, such as high efficiency, energy- saving. High starting torque and easy maintenance etc. There are three kinds of installation construction for motor: B3 Frame with foot, end shield without flange, B35 Frame with foot, end shield with flange, B5 Frame without foot, end shield with flange.

La serie Y2 dei motori trifase è disegnata per il mercato Europeo. I motori hanno una struttura compatta e un bel design. Le taglie e le posizioni di montaggio sono conformi allo standard. Hanno molti vantaggi tra cui l'alta efficienza e facile mantenimento. Possono essere forniti in 3 diverse forme costruttive: B3 con i piedi senza flangia, B35 con i piedi e la flangia, B5 senza piedi e con flangia.

Elle.Gi



Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Trifase

TECHNICAL DATA AT 380V 50Hz

	TYPE	Rated Output KW	At full load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque
			Speed (r/min)	Current (A)	Eff (%)	Power Factor			
2 POLES - 2 POLI	Synchronous Speed3000r/min 50Hz								
	$Y_2$56M1-2	0.09	2670	0.37	57	0.65	6	2.2	2.4
	$Y_2$56M2-2	0.12	2730	0.43	62	0.69	6	2.2	2.4
	$Y_2$56M3-2	0.18	2750	0.58	65	0.72	6	2.2	2.4
	$Y_2$63M1-2	0.18	2710	0.58	63	0.75	6	2.2	2.4
	$Y_2$63M2-2	0.25	2710	0.75	65	0.78	6	2.2	2.4
	$Y_2$63M3-2	0.37	2710	1.1	65	0.78	6	2.2	2.4
	$Y_2$71M1-2	0.37	2730	1.1	70	0.79	6	2.2	2.4
	$Y_2$71M2-2	0.55	2760	1.5	71	0.79	6	2.2	2.4
	$Y_2$71M3-2	0.75	2730	1.9	72	0.82	6	2.2	2.4
	$Y_2$80M1-2	0.75	2770	1.9	73	0.84	6	2.2	2.4
	$Y_2$80M2-2	1.1	2770	2.7	76	0.83	6	2.2	2.4
	$Y_2$80M3-2	1.5	2800	3.5	78	0.83	6	2.2	2.4
	$Y_2$90S-2	1.5	2840	3.5	78	0.84	6	2.2	2.4
	$Y_2$90L1-2	2.2	2840	4.9	81	0.85	6	2.2	2.4
	$Y_2$90L2-2	3	2840	6.5	82	0.86	6	2.2	2.4
	$Y_2$100L1-2	3	2840	6.4	82	0.87	7	2.2	2.3
	$Y_2$100L2-2	4	2850	8.3	84	0.87	7.5	2.2	2.3
	$Y_2$112M-2	4	2800	8.3	84	0.87	7.5	2.2	2.3
	$Y_2$112L-2	5.5	2880	11.1	85	0.88	7.5	2	2.3
	$Y_2$132S1-2	5.5	2900	11.1	85	0.88	7.5	2	2.2
	$Y_2$132S2-2	7.5	2920	15	87	0.88	7.5	2	2.2
	$Y_2$132M1-2	9.2	2930	17.9	88	0.89	7.5	2	2.2
	$Y_2$132M2-2	11	2930	21	88	0.9	7.5	2	2.2
	$Y_2$160M1-2	11	2940	21	88	0.9	7.5	2	2.2
	$Y_2$160M2-2	15	2940	28	89	0.91	7.5	2	2.2
	$Y_2$160L-2	18.5	2940	34.4	90	0.91	7.5	2	2.2
	$Y_2$180M-2	22	2940	39.2	90	0.9	7.5	2	2.3
	$Y_2$200L1-2	30	2950	52.8	91	0.9	7.5	2	2.3
	$Y_2$200L2-2	37	2950	64.5	92	0.9	7.5	2	2.3
	$Y_2$225M-2	45	2970	78.2	92	0.9	7.5	2	2.3
	$Y_2$250M1-2	55	2970	95.4	92.5	0.9	7.5	2	2.3
	$Y_2$250M2-2	75	2970	129.3	93	0.9	7.5	2	2.3
	$Y_2$280M1-2	90	2970	152.2	93.8	0.91	7.5	2	2.3
	$Y_2$280M2-2	110	2980	185.6	94	0.91	7.1	1.8	2.2
	$Y_2$315M1-2	132	2980	221.6	94.5	0.91	7.1	1.8	2.2
	$Y_2$315M2-2	160	2980	265.4	94.6	0.92	7.1	1.8	2.2
	$Y_2$315L1-2	200	2980	331	94.8	0.92	7.1	1.8	2.2
	$Y_2$315L2-2	250	2980	411.6	95.3	0.92	7.1	1.6	2.2
	$Y_2$355L1-2	315	2980	517	95.6	0.92	7.1	1.6	2.2
4 POLES - 4 POLI	Synchronous Speed 1500r/min 50Hz								
	$Y_2$56M1-4	0.06	1320	0.32	48	0.59	6	2.3	2.4
	$Y_2$56M2-4	0.09	1320	0.45	50	0.61	6	2.3	2.4
	$Y_2$56M3-4	0.12	1320	0.56	52	0.63	6	2.2	2.4
	$Y_2$63M1-4	0.12	1350	0.5	57	0.64	6	2.2	2.4
	$Y_2$63M2-4	0.18	1350	0.71	59	0.65	6	2.2	2.4
	$Y_2$63M3-4	0.25	1350	0.96	60	0.66	6	2.2	2.4
	$Y_2$71M1-4	0.25	1350	0.88	60	0.72	6	2.2	2.4
	$Y_2$71M2-4	0.37	1370	1.17	65	0.74	6	2.2	2.4
	$Y_2$71M3-4	0.55	1380	1.69	66	0.75	6	2.2	2.4
	$Y_2$80M1-4	0.55	1370	1.66	69	0.75	6	2.2	2.4
	$Y_2$80M2-4	0.75	1380	2.03	72	0.78	6	2.2	2.4
	$Y_2$80M3-4	1.1	1390	2.18	76	0.78	6	2.2	2.4
	$Y_2$90S-4	1.1	1400	2.78	76	0.79	6	2.2	2.4
	$Y_2$90L1-4	1.5	1400	3.63	78	0.8	6	2.2	2.4
	$Y_2$90L2-4	2.2	1400	5.16	81	0.8	7	2.2	2.3
	$Y_2$100L1-4	2.2	1420	5.09	81	0.81	7	2.2	2.3
	$Y_2$100L2-4	3	1420	6.81	82	0.81	7	2.2	2.2
	$Y_2$112M-4	4	1430	8.8	84	0.82	7	2.2	2.2
	$Y_2$112L2-4	5.5	1440	11.75	85	0.83	7	2.2	2.2
	$Y_2$132S-4	5.5	1450	11.61	85	0.84	7	2.2	2.2
	$Y_2$132M-4	7.5	1450	15.41	87	0.85	7	2.2	2.2
	$Y_2$132L1-4	9.2	1460	18.79	87	0.85	7.5	2.2	2.2
	$Y_2$132L2-4	10	1460	20.31	88	0.85	7.5	2.2	2.2
	$Y_2$132L3-4	11	1460	21.98	88	0.86	7.5	2.2	2.2
	$Y_2$160M-4	11	1460	21.73	88	0.87	7.5	2.2	2.2
	$Y_2$160L-4	15	1460	29.63	88	0.87	7.5	2.2	2.2
	$Y_2$180M-4	18.5	1470	34.3	90	0.86	7.5	2.2	2.3
	$Y_2$180L-4	22	1470	40.6	91	0.86	7.5	2.2	2.3
	$Y_2$200L-4	30	1470	54.7	92	0.86	7.2	2.2	2.3
	$Y_2$225S-4	37	1480	66.4	92	0.87	7.2	2.2	2.3
	$Y_2$225M-4	45	1480	80.5	92	0.87	7.2	2.2	2.3
	$Y_2$250M1-4	55	1480	98.1	93	0.87	7.2	2.2	2.3
	$Y_2$280S1-4	75	1480	132.7	93.8	0.87	7.2	2.2	2.3
	$Y_2$280M1-4	90	1480	158.5	94.2	0.87	7.2	2.2	2.3
	$Y_2$315S1-4	110	1490	191	94.5	0.88	6.9	2.1	2.2
	$Y_2$315M1-4	132	1490	228.4	94.8	0.88	6.9	2.1	2.2
	$Y_2$315L1-4	160	1490	273	94.9	0.89	6.9	2.1	2.2
	$Y_2$315L2-4	200	1490	334.4	95	0.89	6.9	2.1	2.2
	$Y_2$355M1-4	250	1490	420.7	95.3	0.9	6.9	2.1	2.2
	$Y_2$355L1-4	315	1490	528.4	95.6	0.9	6.9	2.1	2.2

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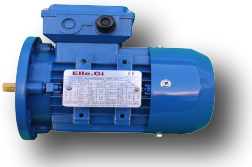

Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

TECHNICAL DATAAT 380V 50Hz

	TYPE	Rated Output KW	At full load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque
			Speed (r/min)	Current (A)	Eff (%)	Power Factor			
6 POLES - 6 POLI	Synchronous Speed 1000r/min 50Hz								
	$Y_2$80M1-6	0.37	890	1.3	62	0.70	4.70	1.90	2.00
	$Y_2$80M2-6	0.55	890	1.7	65	0.72	4.70	1.90	2.10
	$Y_2$90S-6	0.75	910	2.2	69	0.72	5.50	2.00	2.10
	$Y_2$90L-6	1.1	910	3.0	72	0.73	5.50	2.00	2.10
	$Y_2$100L-6	1.5	920	3.8	76	0.75	5.50	2.00	2.10
	$Y_2$112M-6	2.2	940	5.3	79	0.76	6.50	2.00	2.10
	$Y_2$132S-6	3	960	7.0	81	0.76	6.50	2.10	2.10
	$Y_2$132M1-6	4	960	9.3	82	0.76	6.50	2.10	2.10
	$Y_2$132M2-6	5.5	960	12.3	84	0.77	6.50	2.10	2.10
	$Y_2$160M-6	7.5	970	16.4	86	0.77	6.50	2.00	2.10
	$Y_2$160L-6	11	970	23.3	87.5	0.78	6.50	2.00	2.10
	$Y_2$180L-6	15	970	30.0	89.0	0.81	7.00	2.00	2.10
	$Y_2$200L1-6	18.5	970	36.6	90.0	0.81	7.00	2.10	2.10
	$Y_2$200L2-6	22	970	42.5	90.0	0.83	7.00	2.10	2.10
	$Y_2$225M-6	30	980	56.3	91.5	0.84	7.00	2.00	2.10
	$Y_2$250M1-6	37	980	67.5	92	0.86	7	2.1	2.1
	$Y_2$280S1-6	45	980	81.7	92.5	0.86	7	2.1	2
	$Y_2$280M1-6	55	980	99.5	92.8	0.86	7	2.1	2
	$Y_2$315S1-6	75	990	134.6	93.5	0.86	7	2	2
	$Y_2$315M1-6	90	990	161.1	93.8	0.86	7	2	2
	$Y_2$315L1-6	110	990	196.1	94	0.86	6.7	2	2
	$Y_2$315L2-6	132	990	232.5	94.2	0.87	6.7	2	2
	$Y_2$355M1-6	160	990	227.7	94.5	0.88	6.7	1.9	2
	$Y_2$355M2-6	200	990	346.4	94.7	0.88	6.7	1.9	2
	$Y_2$355L1-6	250	990	432.1	94.9	0.88	6.7	1.9	2
8 POLES - 8 POLI	Synchronous Speed 750r/min 50Hz								
	$Y_2$80M1-8	0.18	630	0.9	51.0	0.61	3.30	1.80	1.90
	$Y_2$80M2-8	0.25	640	1.1	54.0	0.61	3.30	1.80	1.90
	$Y_2$90S-8	0.37	660	1.4	62.0	0.61	4.00	1.80	1.90
	$Y_2$90L-8	0.55	660	2.1	63.0	0.61	4.00	1.80	2.00
	$Y_2$100L1-8	0.75	690	2.3	71.0	0.67	4.00	1.80	2.00
	$Y_2$100L2-8	1.1	690	3.2	73.0	0.69	5.00	1.80	2.00
	$Y_2$112M-8	1.5	680	4.2	75.0	0.69	5.00	1.80	2.00
	$Y_2$132S-8	2.2	710	5.8	78.0	0.71	6.00	1.80	2.00
	$Y_2$132M-8	3	710	7.5	79.0	0.73	6.00	1.80	2.00
	$Y_2$160M1-8	4	720	9.8	81.0	0.73	6.00	1.90	2.00
	$Y_2$160M2-8	5.5	720	12.9	83.0	0.74	6.00	2.00	2.00
	$Y_2$160L-8	7.5	720	16.9	85.5	0.75	6.00	2.00	2.00
	$Y_2$180L-8	11	730	23.9	87.5	0.76	6.60	2.00	2.00
	$Y_2$200L-8	15	730	32.4	88.0	0.76	6.60	2.00	2.00
	$Y_2$225S-8	18.5	730	39.1	90.0	0.76	6.60	1.90	2.00
	$Y_2$225M-8	22	740	45.0	90.5	0.78	6.60	1.90	2.00
	$Y_2$250M1-8	30	740	63.4	91	0.79	6.6	1.9	2
	$Y_2$280S1-8	37	740	73.9	91.5	0.79	6.6	1.9	2
	$Y_2$280M1-8	45	740	89.4	92	0.79	6.6	1.9	2
	$Y_2$315S1-8	55	740	105.6	92.8	0.81	6.6	1.8	2
	$Y_2$315M1-8	75	740	143.7	93	0.81	6.6	1.8	2
	$Y_2$315L1-8	90	740	168.9	93.8	0.82	6.6	1.8	2
	$Y_2$315L2-8	110	740	206	94	0.82	6.4	1.8	2
	$Y_2$355M1-8	132	740	248	93.7	0.82	6.4	1.8	2
	$Y_2$355M2-8	160	740	299	94.2	0.82	6.4	1.8	2
	$Y_2$355L1-8	200	740	368.1	94.5	0.83	6.4	1.8	2

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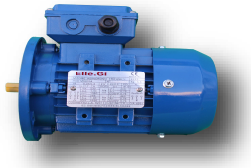

Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

NOMINAL MINIMUM EFFICIENCIES(η) FOR IE2 EFFICIENCY LEVEL(50/60Hz)

	TYPE	Rated Output KW	At full load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque
			Speed (r/min)	Current (A)	Eff (%)	Power Factor			
	Synchronous Speed3000r/min 50Hz								
2 POLES - 2 POLI	$EY_2$80M1-2	0.75	2770	1.9	77.4	0.84	6	2.2	2.4
	$EY_2$80M2-2	1.1	2770	2.7	79.6	0.83	6	2.2	2.4
	$EY_2$90S-2	1.5	2840	3.5	81.3	0.84	6	2.2	2.4
	$EY_2$90L1-2	2.2	2840	4.9	83.2	0.85	6	2.2	2.4
	$EY_2$100L1-2	3	2840	6.4	84.6	0.87	7	2.2	2.3
	$EY_2$112M-2	4	2800	8.3	85.8	0.87	7.5	2.2	2.3
	$EY_2$132S1-2	5.5	2900	11.1	87.0	0.88	7.5	2	2.2
	$EY_2$132S2-2	7.5	2920	15	88.1	0.88	7.5	2	2.2
	$EY_2$160M1-2	11	2940	21	89.4	0.9	7.5	2	2.2
	$EY_2$160M2-2	15	2940	28	90.3	0.91	7.5	2	2.2
	$EY_2$160L-2	18.5	2940	34.4	90.9	0.91	7.5	2	2.2
	$EY_2$180M-2	22	2940	39.2	91.3	0.9	7.5	2	2.3
	$EY_2$200L1-2	30	2950	52.8	92.0	0.9	7.5	2	2.3
	$EY_2$200L2-2	37	2950	64.5	92.5	0.9	7.5	2	2.3
	$EY_2$225M-2	45	2970	78.2	92.9	0.9	7.5	2	2.3
	$EY_2$250M1-2	55	2970	95.4	93.2	0.9	7.5	2	2.3
	$EY_2$250M2-2	75	2970	129.3	93.8	0.9	7.5	2	2.3
	$EY_2$280M1-2	90	2970	152.2	94.1	0.91	7.5	2	2.3
	$EY_2$280M2-2	110	2980	185.6	94.3	0.91	7.1	1.8	2.2
	$EY_2$315M1-2	132	2980	221.6	94.6	0.91	7.1	1.8	2.2
	$EY_2$315M2-2	160	2980	265.4	94.8	0.92	7.1	1.8	2.2
	$EY_2$315L1-2	200	2980	331	95.0	0.92	7.1	1.8	2.2
	$EY_2$315L2-2	250	2980	411.6	95.0	0.92	7.1	1.6	2.2
	$EY_2$355L1-2	315	2980	517	95.0	0.92	7.1	1.6	2.2
	Synchronous Speed 1500r/min 50Hz								
4 POLES - 4 POLI	$EY_2$80M1-4	0.55	1370	1.66	69	0.75	6	2.2	2.4
	$EY_2$80M2-4	0.75	1380	2.03	79.6	0.78	6	2.2	2.4
	$EY_2$90S-4	1.1	1400	2.78	81.4	0.79	6	2.2	2.4
	$EY_2$90L1-4	1.5	1400	3.63	82.8	0.8	6	2.2	2.4

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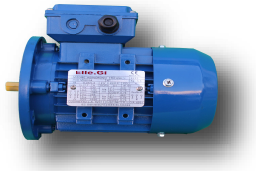

Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

NOMINAL MINIMUM EFFICIENCIES(η) FOR IE2 EFFICIENCY LEVEL(50/60Hz)

	TYPE	Rated Output KW	At full load				Locked current Rated current	Locked torque Rated torque	Max torque Rated torque
			Speed (r/min)	Current (A)	Eff (%)	Power Factor			
4 POLES - 4 POLI	Synchronous Speed 1500r/min 50Hz								
	EY2100L1-4	2.2	1420	5.09	84.3	0.81	7	2.2	2.3
	EY2100L2-4	3	1420	6.81	85.5	0.81	7	2.2	2.2
	EY2112M-4	4	1430	8.8	86.6	0.82	7	2.2	2.2
	EY2132S-4	5.5	1450	11.61	87.7	0.84	7	2.2	2.2
	EY2132M-4	7.5	1450	15.41	88.7	0.85	7	2.2	2.2
	EY2160M-4	11	1460	21.73	89.8	0.87	7.5	2.2	2.2
	EY2160L-4	15	1460	29.63	90.6	0.87	7.5	2.2	2.2
	EY2180M-4	18.5	1470	34.3	91.2	0.86	7.5	2.2	2.3
	EY2180L-4	22	1470	40.6	91.6	0.86	7.5	2.2	2.3
	EY2200L-4	30	1470	54.7	92.3	0.86	7.2	2.2	2.3
	EY2225S-4	37	1480	66.4	92.7	0.87	7.2	2.2	2.3
	EY2225M-4	45	1480	80.5	93.1	0.87	7.2	2.2	2.3
	EY2250M1-4	55	1480	98.1	93.5	0.87	7.2	2.2	2.3
	EY2280S1-4	75	1480	132.7	94.0	0.87	7.2	2.2	2.3
	EY2280M1-4	90	1480	158.5	94.2	0.87	7.2	2.2	2.3
	EY2315S1-4	110	1490	191	94.5	0.88	6.9	2.1	2.2
	EY2315M1-4	132	1490	228.4	94.7	0.88	6.9	2.1	2.2
	EY2315L1-4	160	1490	273	94.9	0.89	6.9	2.1	2.2
	EY2315L2-4	200	1490	334.4	95.1	0.89	6.9	2.1	2.2
	EY2355M1-4	250	1490	420.7	95.1	0.9	6.9	2.1	2.2
	EY2355L1-4	315	1490	528.4	95.1	0.9	6.9	2.1	2.2
6 POLES - 6 POLI	Synchronous Speed 1000r/min 50Hz								
	EY_290S-6	0.75	910	2.2	75.9	0.72	5.50	2.00	2.10
	EY_290L-6	1.1	910	3.0	78.1	0.73	5.50	2.00	2.10
	EY_2100L-6	1.5	920	3.8	79.8	0.75	5.50	2.00	2.10
	EY_2112M-6	2.2	940	5.3	81.8	0.76	6.50	2.00	2.10
	EY_2132S-6	3	960	7.0	83.3	0.76	6.50	2.10	2.10
	EY_2132M1-6	4	960	9.3	84.6	0.76	6.50	2.10	2.10
	EY_2132M2-6	5.5	960	12.3	86.0	0.77	6.50	2.10	2.10
	EY_2160M-6	7.5	970	16.4	87.2	0.77	6.50	2.00	2.10
	EY_2160L-6	11	970	23.3	88.7	0.78	6.50	2.00	2.10
	EY_2180L-6	15	970	30.0	89.7	0.81	7.00	2.00	2.10
	EY_2200L1-6	18.5	970	36.6	90.4	0.81	7.00	2.10	2.10
	EY_2200L2-6	22	970	42.5	90.9	0.83	7.00	2.10	2.10
	EY_2225M-6	30	980	56.3	91.7	0.84	7.00	2.00	2.10
	EY_2250M1-6	37	980	67.5	92.2	0.86	7	2.1	2.1
	EY_2280S1-6	45	980	81.7	92.7	0.86	7	2.1	2
	EY_2280M1-6	55	980	99.5	93.1	0.86	7	2.1	2
	EY_2315S1-6	75	990	134.6	93.7	0.86	7	2	2
	EY_2315M1-6	90	990	161.1	94.0	0.86	7	2	2
	EY_2315L1-6	110	990	196.1	94.3	0.86	6.7	2	2
	EY_2315L2-6	132	990	232.5	94.6	0.87	6.7	2	2
	EY_2355M1-6	160	990	227.7	94.8	0.88	6.7	1.9	2
	EY_2355M2-6	200	990	346.4	95.0	0.88	6.7	1.9	2
	EY_2355L1-6	250	990	432.1	95.0	0.88	6.7	1.9	2

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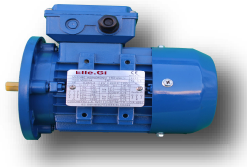
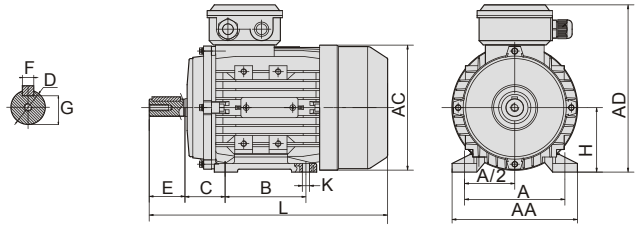


Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

IMB3



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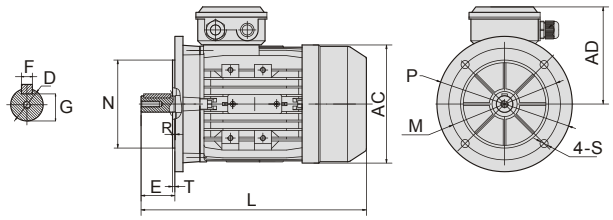

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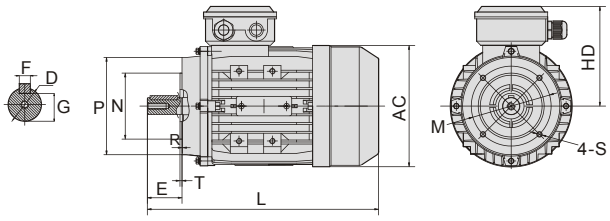

B3 OVERALL & INSTALLATION DIMENSION

Frame	Poles	H	A	A/2	B	C	D	E	F	G	K	AA	AD	AC	L
56	2、4、6、8	56	90	45	71	36	Φ 9	20	3	7.2	5.8X5.8	110	156/151	Φ 120	195
63	2、4、6、8	63	100	50	80	40	Φ 11	23	4	8.5	7X10	120	173/165	Φ 130	230
71★★	2、4、6、8	71	112	56	90	45	Φ 14	30	5	11	7X10	132	188/180	Φ 145	260
80	2、4、6、8	80	125	62.5	100	50	Φ 19	40	6	15.5	10X13	160	217	Φ 165	295
90S	2、4、6、8	90	140	70	100	56	Φ 24	50	8	20	10X13	175	235	Φ 185	335
90L1/L2	2、4、6、8	90	140	70	125	56	Φ 24	50	8	20	10X13	175	235	Φ 185	365
100★★	2、4、6、8	100	160	80	140	63	Φ 28	60	8	24	12X16	196	252	Φ 205	400
112	2、4、6、8	112	190	95	140	70	Φ 28	60	8	24	12X16	220	292	Φ 230	400
132S	2、4、6、8	132	216	108	140	89	Φ 38	80	10	33	12X16	252	325	Φ 270	480
132M/L	2、4、6、8	132	216	108	178	89	Φ 38	80	10	33	12X16	252	325	Φ 270	510/535
160M/L	2、4、6、8	160	254	127	210/254	108	Φ 42	110	12	37	15X19	290	390	Φ 320	640
180M	2、4、6、8	180	279	140	241	121	Φ 48	110	14	42.5	15	355	455	Φ 360	670
180L	2、4、6、8	180	279	140	279	121	Φ 48	110	14	42.5	15	355	455	Φ 360	710
200L	2、4、6、8	200	318	159	305	133	Φ 55	110	16	49	19	375	505	Φ 400	775
225S	4、8	225	356	178	286	149	Φ 60	140	18	53	19	435	560	Φ 470	815
225M	2	225	356	178	311	149	Φ 55	110	16	49	19	435	560	Φ 470	820
225M	4、6、8	225	356	178	311	149	Φ 60	140	18	53	19	435	560	Φ 470	845
250M	2	250	406	203	349	168	Φ 60	140	18	53	24	490	615	Φ 510	910
	4、6、8	250	406	203	349	168	Φ 65	140	18	58	24	490	615	Φ 510	910
280S	2	280	457	228.5	368	190	Φ 65	140	18	58	24	550	680	Φ 580	985
	4、6、8	280	457	228.5	368	190	Φ 75	140	20	67.5	24	550	680	Φ 580	985
280M	2	280	457	228.5	419	190	Φ 65	140	18	58	24	550	680	Φ 580	1035
	4、6、8	280	457	228.5	419	190	Φ 75	140	20	67.5	24	550	680	Φ 580	1035
315S	2	315	508	254	406	216	Φ 65	140	18	58	28	635	845	Φ 645	1185
	4、6、8	315	508	254	406	216	Φ 80	170	22	71	28	635	845	Φ 645	1215
315M	2	315	508	254	457	216	Φ 65	140	18	58	28	635	845	Φ 645	1295
	4、6、8	315	508	254	457	216	Φ 80	170	22	71	28	635	845	Φ 645	1325
315L	2	315	508	254	508	216	Φ 65	140	18	58	28	635	845	Φ 645	1295
	4、6、8	315	508	254	508	216	Φ 80	170	22	71	28	635	845	Φ 645	1325
355M	2	355	610	305	560	254	Φ 75	140	20	67.5	28	730	1010	Φ 710	1500
	4、6、8	355	610	305	560	254	Φ 95	170	25	86	28	730	1010	Φ 710	1530
355L	2	355	610	305	630	254	Φ 75	140	20	67.5	28	730	1010	Φ 710	1500
	4、6、8	355	610	305	630	254	Φ 95	170	25	86	28	730	1010	Φ 710	1530

B5 OVERALL & INSTALLATION DIMENSION

Frame	Poles	M	N	P	T	S	D	E	F	G	AC	AD	L
56	2、4、6、8	Φ 98	Φ 80	Φ 120	3.0	Φ 7	Φ 9	20	3	7.2	Φ 120	100/95	195
63	2、4、6、8	Φ 115	Φ 95	Φ 140	3.0	Φ 10	Φ 11	23	4	8.5	Φ 130	110/102	230
71★★	2、4、6、8	Φ 130	Φ 110	Φ 160	3.5	Φ 10	Φ 14	30	5	11	Φ 145	117/109	260
80	2、4、6、8	Φ 165	Φ 130	Φ 200	3.5	Φ 12	Φ 19	40	6	15.5	Φ 165	137	295
90S	2、4、6、8	Φ 165	Φ 130	Φ 200	3.5	Φ 12	Φ 24	50	8	20	Φ 185	145	335
90L1/L2	2、4、6、8	Φ 165	Φ 130	Φ 200	3.5	Φ 12	Φ 24	50	8	20	Φ 185	145	365
100★★	2、4、6、8	Φ 215	Φ 180	Φ 250	4.0	Φ 15	Φ 28	60	8	24	Φ 205	152	400
112	2、4、6、8	Φ 215	Φ 180	Φ 250	4.0	Φ 15	Φ 28	60	8	24	Φ 230	180	400
132S	2、4、6、8	Φ 265	Φ 230	Φ 300	4.0	Φ 15	Φ 38	80	10	33	Φ 270	193	480
132M/L	2、4、6、8	Φ 265	Φ 230	Φ 300	4.0	Φ 15	Φ 38	80	10	33	Φ 270	193	510/535
160M/L	2、4、6、8	Φ 300	Φ 250	Φ 350	5.0	Φ 19	Φ 42	110	12	37	Φ 320	230	640
180M	2、4、6、8	Φ 300	Φ 250	Φ 350	5.0	Φ 19	Φ 48	110	14	42.5	Φ 380	180	670
180L	2、4、6、8	Φ 350	Φ 300	Φ 400	5.0	Φ 19	Φ 55	110	16	49	Φ 420	180	710
200L	2、4、6、8	Φ 350	Φ 300	Φ 400	5.0	Φ 19	Φ 55	110	16	49	Φ 400	280	775
225S	4、8	Φ 400	Φ 350	Φ 450	5.0	Φ 19	Φ 60	140	18	53	Φ 470	305	815
225M	2	Φ 400	Φ 350	Φ 450	5.0	Φ 19	Φ 55	110	16	49	Φ 470	335	820
225M	4、6、8	Φ 400	Φ 350	Φ 450	5.0	Φ 19	Φ 60	140	18	53	Φ 470	335	845
250M	2	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 60	140	18	53	Φ 510	370	910
	4、6、8	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 65	140	18	58	Φ 510	370	910
280S	2	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 65	140	18	58	Φ 580	410	985
	4、6、8	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 75	140	20	67.5	Φ 580	410	985
280M	2	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 65	140	18	58	Φ 580	410	1035
	4、6、8	Φ 500	Φ 450	Φ 550	5.0	Φ 19	Φ 75	140	20	67.5	Φ 580	410	1035

★★:This frame size has two housing size, the rated output is for normal "L" size, and increased output is for the bigger "L" size (refer to the figures in the bracket "()")

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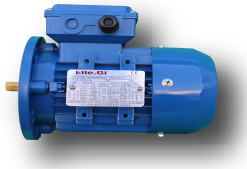
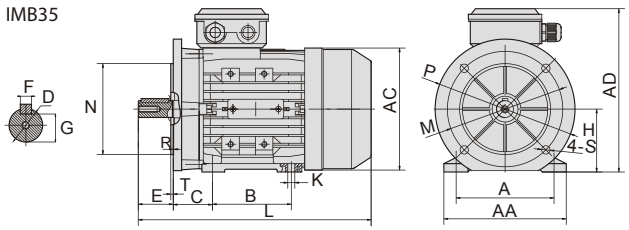


Y2 - EY2 SERIE IE1 - IE2
THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

B14 OVERALL & INSTALLATION DIMENSION

Frame	B14						B14B						D	E	F	G	KK	AC	HD	L
	N	M	P	T	S	R	N	M	P	T	S	R								
56	Φ 50	Φ 65	Φ 80	2.5	M5	0							Φ 9	20	3	7.2	1-M16X1.5	Φ 120	100/95	195
63	Φ 60	Φ 75	Φ 90	2.5	M5	0	Φ 80	Φ100	Φ 120	3.0	M6		Φ 11	23	4	8.5	1-M16X1.5	Φ 130	110/102	230
71★★	Φ 70	Φ 85	Φ105	2.5	M6	0	Φ 95	Φ115	Φ 140	3.0	M8	Φ0	Φ 14	30	5	11	1-M20X1.5	Φ 145	117/109	260
80	Φ 80	Φ100	Φ120	3.0	M6	0	Φ110	Φ130	Φ 160	3.5	M8	Φ0	Φ 19	40	6	15.5	1-M20X1.5	Φ 165	137	295
90S	Φ 95	Φ 115	Φ140	3.0	M8	0	Φ110	Φ130	Φ 160	3.5	M8	Φ0	Φ 24	50	8	20	1-M20X1.5	Φ 185	145	335
90L1/L2	Φ 95	Φ 115	Φ140	3.0	M8	0	Φ110	Φ130	Φ 160	3.5	M8	Φ0	Φ 24	50	8	20	1-M20X1.5	Φ 185	145	365
100★★	Φ 110	Φ 130	Φ 160	3.5	M8	0	Φ130	Φ 165	Φ 200	3.5	M10	Φ0	Φ 28	60	8	24	1-M20X1.5	Φ 205	152	400
112	Φ110	Φ130	Φ160	3.5	M8	0	Φ130	Φ165	Φ 200	3.5	M10	Φ0	Φ 28	60	8	24	2-M25X1.5	Φ 230	180	400
132S	Φ130	Φ165	Φ200	3.5	M10	0	Φ180	Φ215	Φ 250	4.0	M12	Φ0	Φ 38	80	10	33	2-M25X1.5	Φ 270	193	480
132M/L	Φ130	Φ165	Φ200	3.5	M10	0	Φ180	Φ215	Φ 250	4.0	M12	Φ0	Φ 38	80	10	33	2-M25X1.5	Φ 270	193	510/535



B35 OVERALL & INSTALLATION DIMENSION

Frame	Poles	H	M	N	P	T	S	A	B	C	D	E	F	G
56	2、4、6、8	56	Φ 80	Φ 98	Φ 120	3.0	Φ 7	90	71	36	Φ 9	20	3	7.2
63	2、4、6、8	63	Φ 95	Φ 115	Φ 140	3.0	Φ 10	100	80	40	Φ 11	23	4	8.5
71★★	2、4、6、8	71	Φ 110	Φ 130	Φ 160	3.5	Φ 10	112	90	45	Φ 14	30	5	11
80	2、4、6、8	80	Φ 130	Φ 165	Φ 200	3.5	Φ 12	125	100	50	Φ 19	40	6	15.5
90S	2、4、6、8	90	Φ 130	Φ 165	Φ 200	3.5	Φ 12	140	100	56	Φ 24	50	8	20
90L1/L2	2、4、6、8	90	Φ 130	Φ 165	Φ 200	3.5	Φ 12	140	125	56	Φ 24	50	8	20
100★★	2、4、6、8	100	Φ 180	Φ 215	Φ 250	4.0	Φ 15	160	140	63	Φ 28	60	8	24
112	2、4、6、8	112	Φ 180	Φ 215	Φ 250	4.0	Φ 15	190	140	70	Φ 28	60	8	24
132S	2、4、6、8	132	Φ 230	Φ 265	Φ 300	4.0	Φ 15	216	140	89	Φ 38	80	10	33
132M/L	2、4、6、8	132	Φ 230	Φ 265	Φ 300	4.0	Φ 15	216	178	89	Φ 38	80	10	33
160M/L	2、4、6、8	160	Φ 250	Φ 300	Φ 350	5.0	Φ 19	254	210/254	108	Φ 42	110	12	37
180M	2、4、6、8	180	Φ 300	Φ 250	Φ 350	5.0	Φ 19	279	241	121	Φ 48	110	14	42.5
180L	2、4、6、8	180	Φ 300	Φ 250	Φ 350	5.0	Φ 19	279	279	121	Φ 48	110	14	42.5
200L	2、4、6、8	200	Φ 350	Φ 300	Φ 400	5.0	Φ 19	318/	305	133	Φ 55	110	16	49
225S	4、8	225	Φ 400	Φ 350	Φ 450	5.0	Φ 19	356	286	149	Φ 60	140	18	53
225M	2	225	Φ 400	Φ 350	Φ 450	5.0	Φ 19	356	311	149	Φ 55	110	16	49
225M	4、6、8	225	Φ 400	Φ 350	Φ 450	5.0	Φ 19	356	311	149	Φ 60	140	18	53
250M	2	250	Φ 500	Φ 450	Φ 550	5.0	Φ 19	406	349	168	Φ 60	140	18	49
	4、6、8	250	Φ 500	Φ 450	Φ 550	5.0	Φ 19	406	349	168	Φ 65	140	18	58
280S	2	280	Φ 500	Φ 450	Φ 550	5.0	Φ 19	457	368	190	Φ 65	140	18	58
	4、6、8	280	Φ 500	Φ 450	Φ 550	5.0	Φ 19	457	368	190	Φ 75	140	20	68
280M	2	280	Φ 500	Φ 450	Φ 550	5.0	Φ 19	457	419	190	Φ 65	140	18	58
	4、6、8	280	Φ 500	Φ 450	Φ 550	5.0	Φ 19	457	419	190	Φ 75	140	20	68
315S	2	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	406	216	Φ 65	140	18	58
	4、6、8	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	406	216	Φ 80	170	22	71
315M	2	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	457	216	Φ 65	140	18	58
	4、6、8	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	457	216	Φ 80	170	22	71
315L	2	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	508	216	Φ 65	140	18	58
	4、6、8	315	Φ 600	Φ 550	Φ 660	6.0	Φ 24	508	508	216	Φ 80	170	22	71
355M	2	355	Φ 740	Φ 680	Φ 800	6.0	Φ 24	610	560	254	Φ 75	140	20	68
	4、6、8	355	Φ 740	Φ 680	Φ 800	6.0	Φ 24	610	560	254	Φ 95	170	25	86
355L	2	355	Φ 740	Φ 680	Φ 800	6.0	Φ 24	610	630	254	Φ 75	140	20	68
	4、6、8	355	Φ 740	Φ 680	Φ 800	6.0	Φ 24	610	630	254	Φ 95	170	25	86

Frame	Poles	K	AA	AD	AC	L
56	2、4、6、8	5.8X5.8	110	156/151	Φ 120	195
63	2、4、6、8	7X10	120	173/165	Φ 130	230
71★★	2、4、6、8	7X10	132	188/180	Φ 145	260
80	2、4、6、8	10X13	160	217	Φ 165	295
90S	2、4、6、8	10X13	175	235	Φ 185	335
90L1/L2	2、4、6、8	10X13	175	235	Φ 185	365
100★★	2、4、6、8	10X13	196	252	Φ 205	400
112	2、4、6、8	12X16	220	292	Φ 230	400
132S	2、4、6、8	12X16	252	325	Φ 270	480
132M/L	2、4、6、8	12X16	252	325	Φ 270	510/535
160M/L	2、4、6、8	15X19	290	290	Φ 320	640
180M	2、4、6、8	Φ15	355	455	Φ 360	670
180L	2、4、6、8	Φ15	355	455	Φ 360	710
200L	2、4、6、8	Φ19	375	505	Φ 400	775
225S	4、8	Φ19	435	560	Φ 470	815
225M	2	Φ19	435	560	Φ 470	820
225M	4、6、8	Φ19	435	560	Φ 470	845
250M	2	Φ24	490	615	Φ 510	910
	4、6、8	Φ24	490	615	Φ 510	910
280S	2	Φ24	550	680	Φ 580	985
	4、6、8	Φ24	550	680	Φ 580	985
280M	2	Φ24	550	680	Φ 580	1035
	4、6、8	Φ24	550	680	Φ 580	1035
315S	2	Φ28	635	845	Φ 645	1185
	4、6、8	Φ28	635	845	Φ 645	1215
315M	2	Φ28	635	845	Φ 645	1295
	4、6、8	Φ28	635	845	Φ 645	1325
315L	2	Φ28	635	845	Φ 645	1295
	4、6、8	Φ28	635	845	Φ 645	1325
355M	2	Φ28	730	1010	Φ 710	1500
	4、6、8	Φ28	730	1010	Φ 710	1530
355L	2	Φ28	730	1010	Φ 710	1500
	4、6、8	Φ28	730	1010	Φ 710	1530

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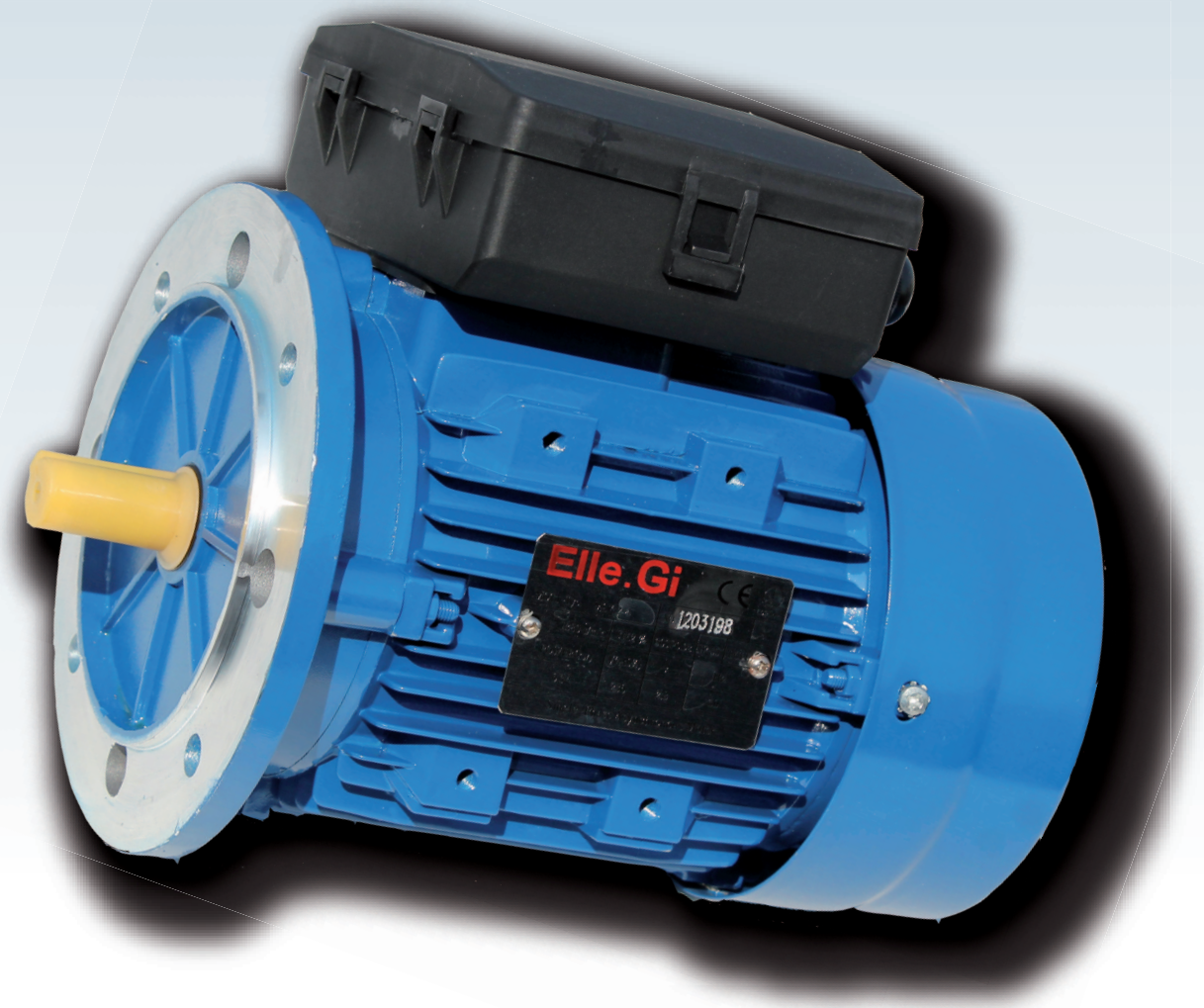

ALUMINIUM HOUSING

MC MY SERIES

SINGLE-PHASE ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Monofase

OPERATING CONDITIONS - Condizioni di operatività

- Ambient temperature/ Temperatura Ambiente: -15℃≤θ ≤ 40 ℃
- Rated voltage / Tenzione nominale: ± 5%
- Voltage / Voltaggio :220V/50Hz
- Duty / Servizio :continuous(S)
- Protection Class / Classe di protezione:IP44/IP54/IP55
- Insulation Class / Classe d'isolamento:B/F
- Cooling method / Metodo di raffreddamento: ICO141

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MY
SINGLE PHASE ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI MONOFASE

MY Series Aluminium housing single-phase capacitor-run asynchronous motors, with latest design in entirety, It's made of superior materials and meet the relative rules of IEC standard. MY motors have good performance, safe and reliable operation, nice appearance, it can be maintained very conveniently, while with low noise, little appearance, it can be maintained very conveniently, while with low noise, little vibration, light weight and simple construction. This series motors can be used on household appliance, pumps, fan and recording meters, etc.

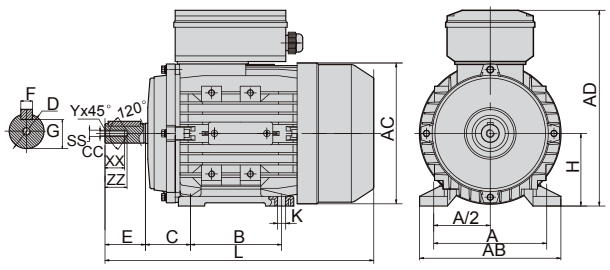
La serie dei motori monofase My con condensatore è prodotta con ottimo materiale e secondo le caratteristiche standard. E' conveniente e con basso rumore, piccole vibrazioni pesi leggeri e costruzione semplice. Questa serie di motori puo' essere utilizzata per applicazioni per uso domestico, su pompe, ventilatori ecc...

TECHNICAL DATA AT 220V 50Hz

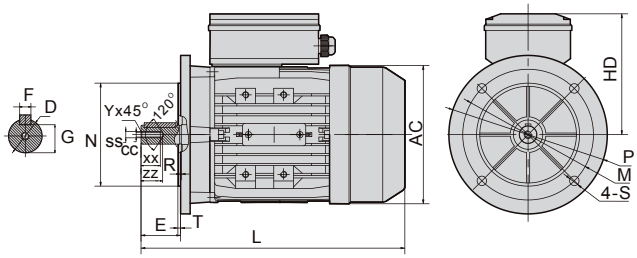
	TYPE	Power KW	Current (A)	Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn	Tmax/Tn	Starting current (A)	Run Capactior (uf/v)
2 POLES - 2 POLI	MY561-2	0.09	0.79	2760	54	0.92	0.65	1.6	3	4uf/450V
	MY562-2	0.12	0.98	2770	58	0.92	0.65	1.6	4	6uf/450V
	MY563-2	0.18	1.42	2780	60	0.92	0.65	1.6	5	10uf/450V
	MY631-2	0.18	1.33	2780	62	0.95	0.6	1.7	5	12uf/450V
	MY632-2	0.25	1.84	2780	65	0.95	0.6	1.7	7	14uf/450V
	MY633-2	0.37	2.53	2780	67	0.93	0.45	1.65	8	16uf/450V
	MY711-2	0.37	2.53	2800	67	0.95	0.6	1.7	10	16uf/450V
	MY712-2	0.55	3.49	2810	70	0.98	0.55	1.7	15	20uf/450V
	MY713-2	0.75	4.5	2810	74	0.97	0.48	1.8	20	25uf/450V
	MY801-2	0.75	4.62	2810	72	0.98	0.35	1.7	20	25uf/450V
	MY802-2	1.1	6.51	2820	75	0.98	0.33	1.7	28	35uf/450V
	MY803-2	1.5	8.5	2810	77	0.98	0.33	1.8	40	40uf/450V
	MY90S-2	1.5	8.76	2820	76	0.98	0.3	1.8	40	45uf/450V
	MY90L-2	2.2	12.7	2820	77	0.98	0.3	1.8	60	60uf/450V
	MY100L-2	3	17.1	2840	78	0.98	0.28	1.8	75	60uf/450V
4 POLES - 4 POLI	MY561-4	0.06	0.59	1360	48	0.92	0.75	1.6	2.5	4uf/450V
	MY562-4	0.09	0.83	1370	51	0.92	0.75	1.6	3	6uf/450V
	MY631-4	0.12	1.03	1380	55	0.92	0.65	1.6	3.5	10uf/450V
	MY632-4	0.18	1.49	1390	57	0.92	0.65	1.5	5.5	10uf/450V
	MY633-4	0.25	2.00	1370	58	0.95	0.6	1.6	5	14uf/450V
	MY711-4	0.25	1.90	1400	61	0.94	0.5	1.5	8	12uf/450V
	MY712-4	0.37	2.76	1400	62	0.94	0.5	1.5	10	16uf/450V
	MY713-4	0.55	3.70	1400	64	0.97	0.48	1.7	12	20uf/450V
	MY801-4	0.55	3.93	1400	64	0.95	0.35	1.7	15	20uf/450V
	MY802-4	0.75	5.05	1410	68	0.95	0.33	1.7	20	25uf/450V
	MY90S-4	1.1	6.87	1410	71	0.98	0.33	1.8	30	40uf/450V
	MY90L-4	1.5	9.12	1420	73	0.98	0.3	1.8	40	45uf/450V
	MY100L1-4	2.2	12.8	1440	76	0.98	0.28	1.8	60	70uf/450V
	MY100L2-4	3	17.1	1440	78	0.98	0.28	1.8	75	70uf/450V

Single phase: MY is 230V/50Hz, 240V/50Hz, 110V/60Hz, 115V/60Hz, 127V/60Hz, Models are available on request.

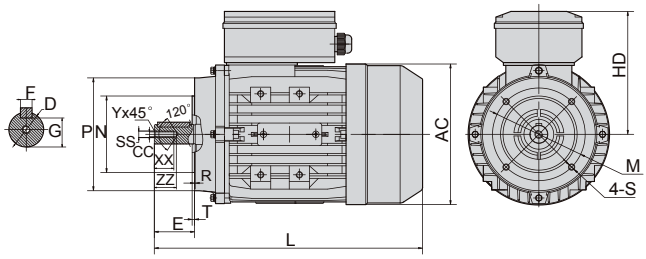
IMB3



IMB5



IMB14



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MY
SINGLE PHASE ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI MONOFASE

MY SERIES OVERALL & INSTALLATION DIMENSION

Frame Size	Installation Size																				Overall Dimension					Shaft end screw dimensions				
	IMB3								IMB14						IMB5															
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L	SS	XX	ZZ	CC	Y
56	90	71	36	9	20	3	7.2	56	5.8X5.8	65	50	80	0	M5	2.5	98	80	120	0	7	3.0	108	ϕ115	256	100	192	M3	8	12	2.5	0.5
63	100	80	40	11	23	4	8.5	63	7X10	75	60	90	0	M5	2.5	115	95	140	0	10	3.0	120	ϕ130	179	116	230	M4	10	15	3.3	0.8
71	112	90	45	14	30	5	11	71	7X10	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	135	ϕ145	194	123	260	M5	12	18	4.2	0.8
80	125	100	50	19	40	6	15.5	80	10X13	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	ϕ165	223	143	295	M6	16	22	5	1
90S	140	100	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	175	ϕ185	240	150	335	M8	20	25	6.8	1
90L	140	125	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	175	ϕ185	240	150	365	M8	20	25	6.8	1
100L	160	140	63	28	60	8	24	100	12X15	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	196	Φ205	260	160	400	M10	22	28	8.5	1.5

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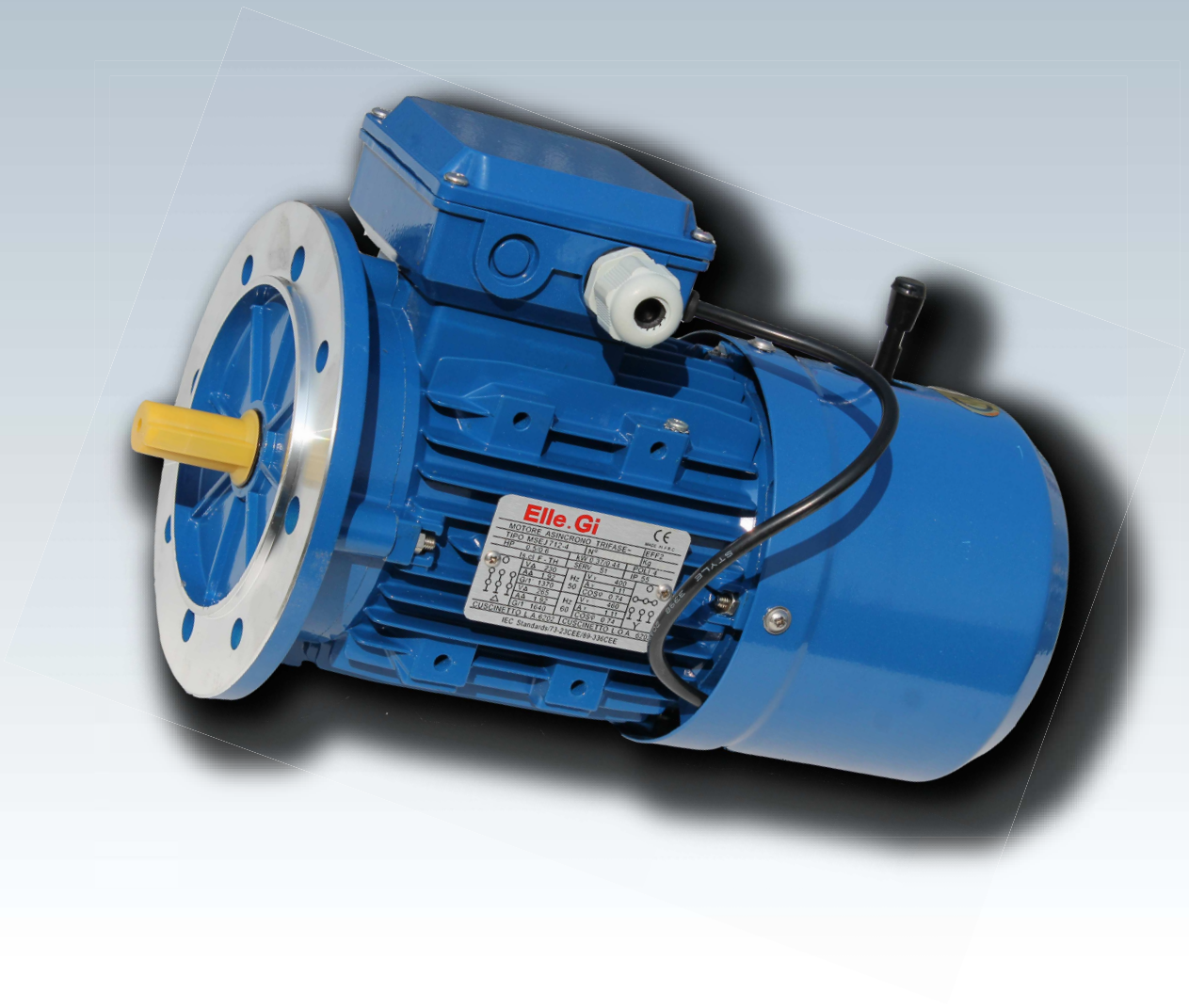

MSEJ

ASYNCHRONOUS THREE-PHASE BRAKE MOTORS WITH SQUIRREL CAGE ROTOR. DIRECT CURRENT BRAKE

MOTORI ASINCRONI TRIFASE AUTOFREBANTI CON ROTORE A GABBIA E FRENO IN CORRENTE CONTINUA

MSEJ series-enclosed construction externally ventilated-sizes 63-160 - **Costruiti dalla taglia 63 alla taglia 160**

The brake-motors of the MSBCCL series result from coupling an asynchronous three-phase motor and an electromagnetic D.C. Brake unit. Due to their reliability and operating safety. as well as their quick braking time(connection & disconnection time=5~80 milliseconds) they are suitable for a great variety of applications, as:

I motori sono composti da motori trifase e freno elettromagnetico. Grazie alla loro affidabilità e sicurezza e alla velocità di intervento del freno (tempo di intervento 5/80 millisecondi) possono essere utilizzati in svariate applicazioni.

-Braking of loads or torques on the driving shaft. - **Frenatura dei carichi o reazione sull'albero**

-Braking of rotating masses to reduce and lost-time - **Frenatura di masse rotanti per ridurre perdite di tempo.**

-Braking operations to increase the set-up precision. - **Operazioni di frenatura per aumentare la precisione**

-Braking of machine parts, according to safety rules. - **Frenatura di parti della macchina, secondo le norme di sicurezza.**

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MSEJ
ASINCRONOUS THREE PHASES BRAKE MOTORS WITH DIRECT CURRENT BRAKE
MOTORI ASINCRONI TRIFASE AUTOFRENANTI CON FRENO CORRENTE CONTINUA

TECHNICAL DATA

2 Poles-3000rpm-50Hz
Brake motors have a ±60% tolerance on the supply voltage

2 POLES - 2 POLI

Model	Power (KW)	Speed (r/min)	Eff (%)	Power factor	Rated Current (A)			Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In	Noise dB(A)
					230V	400V	690V					
MSEJ631-2	0.18	2710	63	0.75	0.95	0.55	0.32	2.2	2.4	1.6	6	61
MSEJ632-2	0.25	2710	65	0.78	1.23	0.71	0.41	2.2	2.4	1.6	6	61
MSEJ633-2	0.37	2710	65	0.78	1.82	1.05	0.61	2.2	2.4	1.6	6	62
MSEJ711-2	0.37	2730	70	0.79	1.67	0.97	0.56	2.2	2.4	1.6	6	64
MSEJ712-2	0.55	2730	71	0.79	2.45	1.42	0.82	2.2	2.4	1.6	6	64
MSEJ713-2	0.75	2730	72	0.82	3.18	1.83	1.06	2.2	2.4	1.5	6	65
MSEJ801-2	0.75	2770	73	0.84	3.06	1.77	1.02	2.2	2.4	1.5	6	67
MSEJ802-2	1.1	2770	76	0.83	4.35	2.51	1.45	2.2	2.4	1.5	6	67
MSEJ803-2	1.5	2800	78	0.83	5.87	3.32	1.92	2.2	2.4	1.5	6	70
MSEJ90S-2	1.5	2840	78	0.84	5.76	3.28	1.90	2.2	2.4	1.5	6	72
MSEJ90L1-2	2.2	2840	81	0.85	8.0	4.61	2.66	2.2	2.4	1.4	6	72
MSEJ90L2-2	3.	2840	82	0.86	10.56	6.10	3.52	2.2	2.4	1.4	6	74
MSEJ100L1-2	3	2840	82	0.87	10.44	6.03	3.48	2.2	2.3	1.4	7	76
MSEJ100L2-2	4	2850	84	0.87	13.65	7.88	4.55	2.2	2.3	1.4	7.5	77
MSEJ112M-2	4	2880	84	0.87	13.65	7.88	4.55	2.2	2.3	1.4	7.5	77
MSEJ112L-2	5.5	2880	85	0.88	18.23	10.53	6.08	2.2	2.3	1.2	7.5	78
MSEJ132S1-2	5.5	2900	85	0.88	18.23	10.53	6.08	2	2.2	1.2	7.5	80
MSEJ132S2-2	7.5	2920	87	0.88	24.49	14.14	8.16	2	2.2	1.2	7.5	80
MSEJ132M1-2	9.2	2930	88	0.89	29.87	17.25	9.96	2	2.2	1.2	7.5	81
MSEJ132M2-2	11	2930	88	0.9	34.57	19.96	11.52	2	2.2	1.2	7.5	83
MSEJ160M1-2	11	2940	88	0.9	34.57	19.96	11.52	2	2.2	1.2	7.5	86
MSEJ160M2-2	15	2940	88	0.91	46.09	26.61	15.36	2	2.2	1.2	7.5	86
MSEJ160L-2	18.5	2940	90	0.91.	56.47	32.6	18.82	2	2.2	1.1	7.5	86

Type	Brake Type k	Brake Torque Nm	Brake Rated Power W	J Brake Pd^2 kgm^2	No.of Starts/Hr Under no load	Delayed Cut-in Time★ Msec.	Quick Cut-in Time Msec.	Cut Out Time Msec.	Noise dB(A)
MSEJ 63	K1	6	15	0.00005	3000	45	20	10	62
MSEJ 71	K2	6	15	0.00014	3000	50	30	15	64
MSEJ 80	K3	12	20	0.00021	1300	55	30	15	67
MSEJ 90S	K4	20	30	0.00039	1100	65	40	15	72
●MSEJ 90S	K4D	23	30	0.00039	1100	65	40	15	72
MSEJ 90L	K4	20	30	0.00039	1100	65	40	15	72
●MSEJ 90L	K4D	23	30	0.00039	1100	65	40	15	72
MSEJ 100L	K5	40	45	0.00104	900	75	45	20	76
●MSEJ 100L	K6	46	45	0.00104	900	180	85	25	76
MSEJ 112MT	K5	40	45	0.00104	880	75	45	20	77
MSEJ 112M	K6	60	50	0.00135	880	180	85	25	78
MSEJ 132S	K7	90	55	0.00219	480	200	95	50	80
●MSEJ 132S	K7D	125	55	0.00438	480	200	95	50	80
MSEJ 132M	K7	90	55	0.00219	450	200	95	50	80
●MSEJ 132M	K7D	125	55	0.00438	480	200	95	50	80
MSEJ 160MT	K7D	180	55	0.00438	350	200	95	50	86
MSEJ 160L	K8	235	60	0.00408	350	210	100	60	86
●MSEJ 160L	K8D	235	60	0.00408	350	210	100	60	86

●Motor with increased braking torque on request
★On request, delayed brake cut in time for lifting equipments. We suggest double disk brake D for lifting equipments.

Elle.Gi

MSEJ
ASINCRONOUS THREE PHASES BRAKE MOTORS WITH DIRECT CURRENT BRAKE
MOTORI ASINCRONI TRIFASE AUTOFRENANTI CON FRENO CORRENTE CONTINUA

4 Poles-1500rpm-50Hz
Brake motors have a ±60% tolerance on the supply voltage

4 POLES - 4 POLI	Model	Power (KW)	Speed (r/min)	Eff (%)	Power factor	Rated Current (A)			Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In	Noise dB(A)
						230V	400V	690V					
	MSEJ631-4	0.12	1350	57	0.64	0.82	0.47	0.27	2.2	2.4	1.7	6	52
	MSEJ632-4	0.18	1350	59	0.65	1.17	0.68	0.39	2.2	2.4	1.7	6	52
	MSEJ633-4	0.25	1350	60	0.66	1.58	0.91	0.53	2.2	2.4	1.7	6	54
	MSEJ711-4	0.25	1350	60	0.72	1.45	0.84	0.48	2.2	2.4	1.7	6	55
	MSEJ712-4	0.37	1370	65	0.74	1.92	1.11	0.64	2.2	2.4	1.7	6	55
	MSEJ713-4	0.55	1380	66	0.75	2.78	1.60	0.93	2.2	2.4	1.7	6	57
	MSEJ801-4	0.55	1370	67	0.75	2.74	1.58	0.91	2.2	2.4	1.7	6	58
	MSEJ802-4	0.75	1380	72	0.78	3.34	1.93	1.11	2.2	2.4	1.6	6	58
	MSEJ803-4	1.1	1390	76	0.78	4.63	2.67	1.54	2.2	2.4	1.6	6	60
	MSEJ90S-4	1.1	1400	76	0.79	4.57	2.64	1.52	2.2	2.4	1.6	6	61
	MSEJ90L-4	1.5	1400	78	0.8	5.97	3.54	1.99	2.2	2.4	1.6	6	61
	MSEJ90L2-4	2.2	1400	81	0.8	8.45	4.90	2.83	2.2	2.4	1.5	7	63
	MSEJ100L1-4	2.2	1420	81	0.81	8.38	4.84	2.79	2.2	2.3	1.5	7	64
	MSEJ100L2-4	3	1420	82	0.81	11.21	6.47	3.74	2.2	2.3	1.5	7	64
	MSEJ100L3-4	4	1430	84	0.82	14.18	8.36	4.83	2.2	2.3	1.5	7	65
	MSEJ112M-4	4	1430	84	0.83	14.31	8.26	4.77	2.2	2.2	1.5	7	65
	MSEJ112L-4	5.5	1440	85	0.83	19.33	11.16	6.44	2.2	2.2	1.4	7	68
	MSEJ132S-4	5.5	1450	85	0.84	19.1	11.03	6.37	2.2	2.2	1.4	7	71
	MSEJ132M-4	7.5	1450	87	0.85	25.35	14.64	8.45	2.2	2.2	1.4	7	71
	MSEJ132L1-4	9.2	1460	87	0.85	30.92	17.85	10.31	2.2	2.2	1.4	7	74
	MSEJ132L2-4	10	1460	88	0.85	33.42	19.3	11.14	2.2	2.2	1.4	7.5	74
	MSEJ132L2-4	11	1460	88	0.86	36.17	20.88	12.06	2.2	2.2	1.4	7.5	74
	MSEJ160M-4	11	1460	88	0.87	35.76	20.64	11.92	2.2	2.2	1.4	7.5	75
	MSEJ160L-4	15	1460	88	0.87	48.76	28.15	16.25	2.2	2.2	1.4	7.5	75

Type	Brake Type k	Brake Torque Nm	Brake Rated Power W	J Brake Pd^2 kgm^2	No.of Starts/Hr Under no load	Delayed Cut-in Time★ Msec.	Quick Cut-in Time Msec.	Cut Out Time Msec.	Noise dB(A)
MSEJ 63	K1	5	15	0.00005	3000	45	20	10	52
MSEJ 71	K2	12	20	0.00014	3000	50	30	15	55
MSEJ 80	K3	16	25	0.00021	1300	55	30	15	58
MSEJ 90S	K4	20	30	0.00039	1100	65	40	15	61
●MSEJ 90S	K4D	40	30	0.00078	1100	65	40	15	61
MSEJ 90L	K4	20	30	0.00039	1100	65	40	15	63
●MSEJ 90L	K4D	40	30	0.00078	1100	65	40	15	63
MSEJ 100L	K5	40	45	0.00104	900	75	45	20	64
●MSEJ 100L	K6	60	50	0.00135	900	180	85	25	65
MSEJ 112MT	K5	40	45	0.00104	880	75	45	20	65
MSEJ 112M	K6	60	50	0.00135	880	180	85	25	65
MSEJ 132S	K7	90	55	0.00219	480	200	95	50	71
●MSEJ 132S	K7D	180	55	0.00438	480	200	95	50	71
MSEJ 132M	K7	90	55	0.00219	450	200	95	50	71
●MSEJ 132M	K7D	180	55	0.00438	480	200	95	50	71
MSEJ 160MT	K7D	180	55	0.00438	350	200	95	50	75
MSEJ 160L	K8	200	60	0.00408	350	210	100	60	75
●MSEJ 160L	K8D	400	60	0.00816	350	210	100	60	75

●Motor with increased braking torque on request
★On request, delayed brake cut in time for lifting equipments. We suggest double disk brake D for lifting equipments.

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MSEJ
ASINCRONOUS THREE PHASES BRAKE MOTORS WITH DIRECT CURRENT BRAKE
MOTORI ASINCRONI TRIFASE AUTOFRENANTI CON FRENO CORRENTE CONTINUA

6 Poles-1000rpm-50Hz
Brake motors have a ±60% tolerance on the supply voltage

6 POLES - 6 POLI	Model	Power (KW)	Speed (r/min)	Eff (%)	Power factor	Rated Current (A)			Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In	Noise dB(A)
						230V	400V	690V					
	MSEJ631-6	0.09	840	42	0.61	0.88	0.51	0.29	2	2	1.5	3.5	50
	MSEJ632-6	0.12	850	45	0.62	1.08	0.62	0.36	2	2	1.5	3.5	50
	MSEJ711-6	0.18	880	56	0.66	1.22	0.70	0.41	1.6	1.7	1.5	4	52
	MSEJ712-6	0.25	900	59	0.7	1.51	0.87	0.50	2.1	2.2	1.5	4	52
	MSEJ713-6	0.37	890	61	0.69	2.2	1.27	0.73	2	2.1	1.5	4	54
	MSEJ801-6	0.37	900	62	0.7	2.13	1.23	0.71	1.9	1.9	1.5	4	56
	MSEJ802-6	0.55	900	67	0.72	2.85	1.65	0.95	2	2.3	1.5	4	56
	MSEJ803-6	0.75	900	68	0.72	3.83	2.21	1.28	2	2.3	1.5	4	58
	MSEJ90S-6	0.75	920	69	0.72	3.77	2.18	1.26	2.2	2.2	1.5	5.5	59
	MSEJ90L-6	1.1	925	72	0.73	5.23	3.02	1.74	2.2	2.2	1.3	5.5	59
	MSEJ100L-6	1.5	945	74	0.76	6.67	3.85	2.22	2.2	2.2	1.3	6	61
	MSEJ112M-6	2.2	955	78	0.76	9.28	5.36	3.09	2.2	2.2	1.3	6	64
	MSEJ132S-6	3	960	79	0.76	12.49	7.21	4.16	2	2	1.3	6.5	64
	MSEJ132M1-6	4	960	80	0.76	16.35	9.44	5.45	2	2	1.3	6.5	68
	MSEJ132M2-6	5.5	960	83	0.77	21.51	12.42	7.17	2	2	1.3	6.5	68
	MSEJ132L-6	7.5	960	85	0.77	28.65	16.54	9.55	2	2	1.3	6.5	68
	MSEJ160M-6	7.5	960	86	0.8	27.25	45.73	9.08	2	2	1.3	6.5	68
	MSEJ160L-6	11	960	87	0.79	39.78	22.97	13.26	2	2	1.2	6.5	73

Type	Brake Type k	Brake Torque Nm	Brake Rated Power W	J Brake Pd^2 kgm^2	No.of Starts/Hr Under no load	Delayed Cut-in Time★ Msec.	Quick Cut-in Time Msec.	Cut Out Time Msec.	Noise dB(A)
MSEJ 63	K1	5	15	0.00005	3000	45	20	10	50
MSEJ 71	K2	12	20	0.00014	3000	50	30	15	52
MSEJ 80	K3	16	25	0.00021	1300	55	30	15	56
MSEJ 90S	K4	20	30	0.00039	1100	65	40	15	59
●MSEJ 90S	K4D	40	30	0.00078	1100	65	40	15	59
MSEJ 90L	K4	20	30	0.00039	1100	65	40	15	59
●MSEJ 90L	K4D	40	30	0.00078	1100	65	40	15	59
MSEJ 100L	K5	40	45	0.00104	900	75	45	20	61
●MSEJ 100L	K6	60	50	0.00135	900	180	85	25	61
MSEJ 112MT	K5	40	45	0.00104	880	75	45	20	64
MSEJ 112M	K6	60	50	0.00135	880	180	85	25	64
MSEJ 132S	K7	90	55	0.00219	480	200	95	50	64
●MSEJ 132S	K7D	180	55	0.00438	480	200	95	50	64
MSEJ 132M	K7	90	55	0.00219	450	200	95	50	68
●MSEJ 132M	K7D	180	55	0.00438	480	200	95	50	68
MSEJ 160MT	K7D	180	55	0.00438	350	200	95	50	68
MSEJ 160L	K8	200	60	0.00408	350	210	100	60	73
●MSEJ 160L	K8D	400	60	0.00816	350	210	100	60	73

●Motor with increased braking torque on request
★On request, delayed brake cut in time for lifting equipments. We suggest double disk brake D for lifting equipments.

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MSEJ
ASINCRONOUS THREE PHASES BRAKE MOTORS WITH DIRECT CURRENT BRAKE
MOTORI ASINCRONI TRIFASE AUTOFRENANTI CON FRENO CORRENTE CONTINUA

TECHNICAL FEATURES

6 Poles-1000rpm-50Hz
Brake motors have a ±60% tolerance on the supply voltage

	Model	Power (KW)	Speed (r/min)	Eff (%)	Power factor	Rated Current (A)			Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In	Noise dB(A)
						230V	400V	690V					
8 POLES - 8 POLI	MSEJ711-8	0.09	680	48	0.56	0.84	0.48	0.28	1.5	1.7	1.3	3	50
	MSEJ712-8	0.12	690	51	0.59	1.00	0.58	0.33	1.6	1.7	1.3	2.7	50
	MSEJ801-8	0.18	680	51	0.61	1.45	0.84	0.48	1.5	1.7	1.3	2.8	52
	MSEJ802-8	0.25	680	56	0.61	1.83	1.06	0.61	1.6	2	1.3	2.7	52
	MSEJ90S-8	0.37	680	63	0.63	2.33	1.35	0.78	1.6	1.8	1.3	2.8	56
	MSEJ90L-8	0.55	680	66	0.65	3.21	1.85	1.07	1.6	1.8	1.3	3	56
	MSEJ100L1-8	0.75	710	66	0.67	4.24	2.45	1.41	1.7	2.1	1.3	3.5	59
	MSEJ100L2-8	1.1	710	72	0.69	5.54	3.20	1.85	1.7	2.1	1.2	3.5	59
	MSEJ112M-8	1.5	710	74	0.68	7.45	4.3	2.48	1.8	2.1	1.2	4.2	61
	MSEJ132S-8	2.2	720	75	0.71	10.33	5.96	3.44	2	2	1.2	5.5	64
	MSEJ132M-8	3	720	77	0.73	13.34	7.7	4.45	2	2	1.2	5.5	64
	MSEJ160M1-8	4	730	80	0.73	17.12	9.89	5.71	1.9	2.1	1.2	6	68
	MSEJ160M2-8	5.5	720	83	0.74	22.25	12.85	7.42	2	2.2	1.2	6	68
	MSEJ160L-8	7.5	720	85	0.75	29.41	17.0	9.8	1.9	2.2	1.2	6	68

Type	Brake Type k	Brake Torque Nm	Brake Rated Power W	J Brake Pd^2 kgm^2	No.of Starts/Hr Under no load	Delayed Cut-in Time★ Msec.	Quick Cut-in Time Msec.	Cut Out Time Msec.	Noise dB(A)
63 MSEJ	K1	5	15	0.00005	3000	45	20	10	50
71 MSEJ	K2	12	20	0.00014	3000	50	30	15	50
80 MSEJ	K3	16	25	0.00021	1300	55	30	15	52
90S MSEJ	K4	20	30	0.00039	1100	65	40	15	56
●90S MSEJ	K4D	40	30	0.00078	1100	65	40	15	56
90L MSEJ	K4	20	30	0.00039	1100	65	40	15	56
●90L MSEJ	K4D	40	30	0.00078	1100	65	40	15	56
100L MSEJ	K5	40	45	0.00104	900	75	45	20	59
●100L MSEJ	K6	60	50	0.00135	900	180	85	25	59
112MT MSEJ	K5	40	45	0.00104	880	75	45	20	61
112M MSEJ	K6	60	50	0.00135	880	180	85	25	61
132S MSEJ	K7	90	55	0.00219	480	200	95	50	64
●132S MSEJ	K7D	180	55	0.00438	480	200	95	50	64
132M MSEJ	K7	90	55	0.00219	450	200	95	50	64
●132M MSEJ	K7D	180	55	0.00438	480	200	95	50	64
160MT MSEJ	K7D	180	55	0.00438	350	200	95	50	68
160L MSEJ	K8	200	60	0.00408	350	210	100	60	68
●160L MSEJ	K8D	400	60	0.00816	350	210	100	60	68

●Motor with increased braking torque on request
★On request, delayed brake cut in time for lifting equipments. We suggest double disk brake D for lifting equipments.

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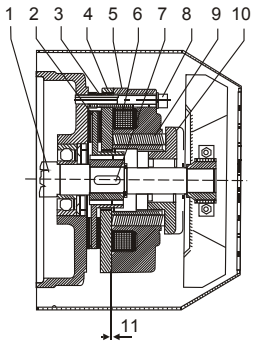
MSEJ
ASINCRONOUS THREE PHASES BRAKE MOTORS WITH DIRECT CURRENT BRAKE
MOTORI ASINCRONI TRIFASE AUTOFRENANTI CON FRENO CORRENTE CONTINUA

ELECTROMAGNETIC DIRECT CURRENT BRAKE SERIES CC

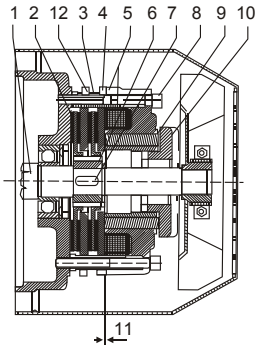
OPERATING PRINCIPLE

The direct current brake is fed by means of an electronic circuit with diode bridge(rectifier) situated inside the terminal-box. When feeding the electromagnet(5), the movable anchor(4) is attracted towards the same, thus loading the braking torque springs(9) and allowing the disk(2), equipped with friction packing and fitted on the groove hub(6) to turn solitary the motor shaft(1) by means of a key (7). By interrupting the feeling, the movable anchor(4), pushed by the braking torque springs(9), exerts a pressure upon the friction surface of the disk(2), thus causing its stopping.



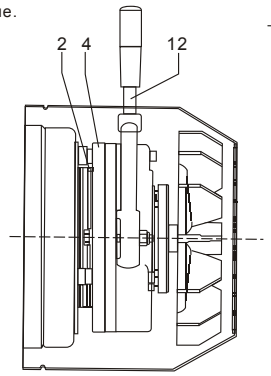
PRINCIPIO DI FUNZIONAMENTO

Il freno a corrente continua viene alimentato da un circuito elettronico con diodo tramite un raddrizzatore situato nella scatola morsettiera. Alimentando l'elettromagnete (5), l'ancora mobile (4) è attratta verso lo stesso lasciando libero l'albero di ruotare. Interrompendo l'alimentazione all'elettromagnete l'ancora mobile (4), grazie alle molle di coppia (9), esercita una pressione sulla superficie di attrito del disco (2), interromepndo il movimento dell'albero.



ADJUSTMENT OF THE AIR GAP

The air gap (11) is the distance between the electromagnet (5) and the movable anchor (9)
The air gap has to be regularly checked, since due to the wear of the friction packing(2) it tends to increase.
Act no the brake adjusters (3) after having unloosen the screws (8) to bring the air gap to the required value.
Act on the ring nut (10) which acts on the braking torque springs (9) to adjust the braking torque.
Pis. Contact our technical department for information on the air gap adjustment values.



REGOLAZIONE DEL TRAFERRO

Il traferro è la distanza tra l'elettromagnete e l'ancora mobile. Uk traferro deve essere controllato periodicamente in quanto causa usura tande ad aumentare. Regolare le viti (3) per portare il traferro al valore richiesto .
Regolare la ghiera (10) per aumentare o diminuire la coppia frenante. Si consiglia comunque di rivolgersi al nostro ufficio tecnico per concordare la manutenzione necessaria che è preferibile venga effettuata presso la nostra officina

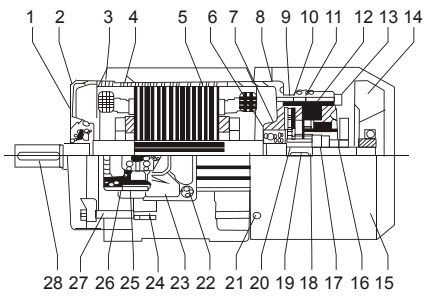
HANDRELEASE WITH LEVER

Upon request a hand release with lever can be supplied. In case of a current cutoff, acting on the lever(12), the release, connected to themovable anchor(4) overcomes the springs pressure, thus detaching the movable anchor from the disc friction packing(2) allowing the shaft to turn.

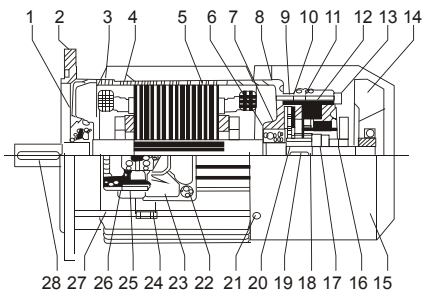
SBLOCCO MANUALE

A richiesta può essere fornito lo sblocco manuale. A motore fermo è possibile far ruotare l'albero del motore tirando la leva (12) verso la parte posteriore dello stesso.

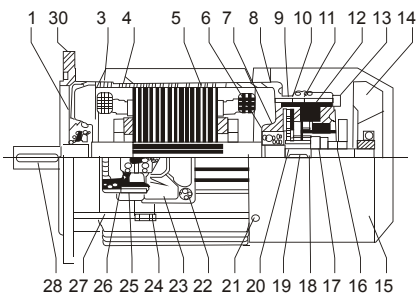
MSEJ Brake Motors B3 63~112



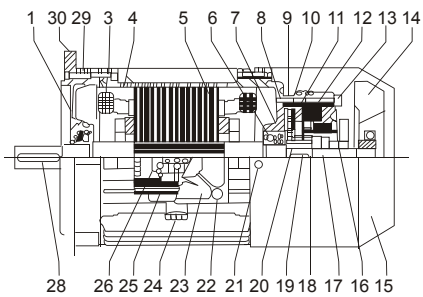
MSEJ Brake Motors B3 132~160



MSEJ Brake Motors B5 63~112



MSEJ Brake Motors B5 132~160



SPARE PARTS

1. Front bearing - Cuscinetto anteriore
2. Front shield - Coperchio anteriore
3. Winding - Tirante
4. Frame with stator package - Telaio con pacco statore
5. Shaft with rotor - Albero con rotore
6. Rear bearing - Cuscinetto posteriore
7. Spring - Anello di compensazione
8. Rear shield - Scudo posteriore
9. Adjusting bush - Boccola di regolazione
10. Brake disc - Disco freno
11. Moving anchor - Ancora mobile
12. Electromagnet coil with diode - Elettromagnete
13. Fixing screws for brake - Viti di fissaggio del freno
14. Cooling fan - Ventola
15. Fan hood - Copriventola
16. Ring nut - Anello della chiocciola
17. Spring - Molla
18. See gearing - Ingranaggi
19. Key brake side - Chiavetta lato freno
20. Toothed pinion - Pignone dentato
21. Fixing screw for fan hood - Viti di fissaggio copriventola
22. Fixing crew for terminal-box - Viti fissaggio scatola
23. Terminal-box - copri morsettiera
24. able-holder - pressacavo
25. Packing - Gommino
26. Terminal-block - Morsettiera
27. Tie-bolt - Viti
28. Coupling side key - Chiavetta anteriore
29. Fixing screw for shield - Viti fissaggio scudo
30. Flange shield - Flangia anteriore