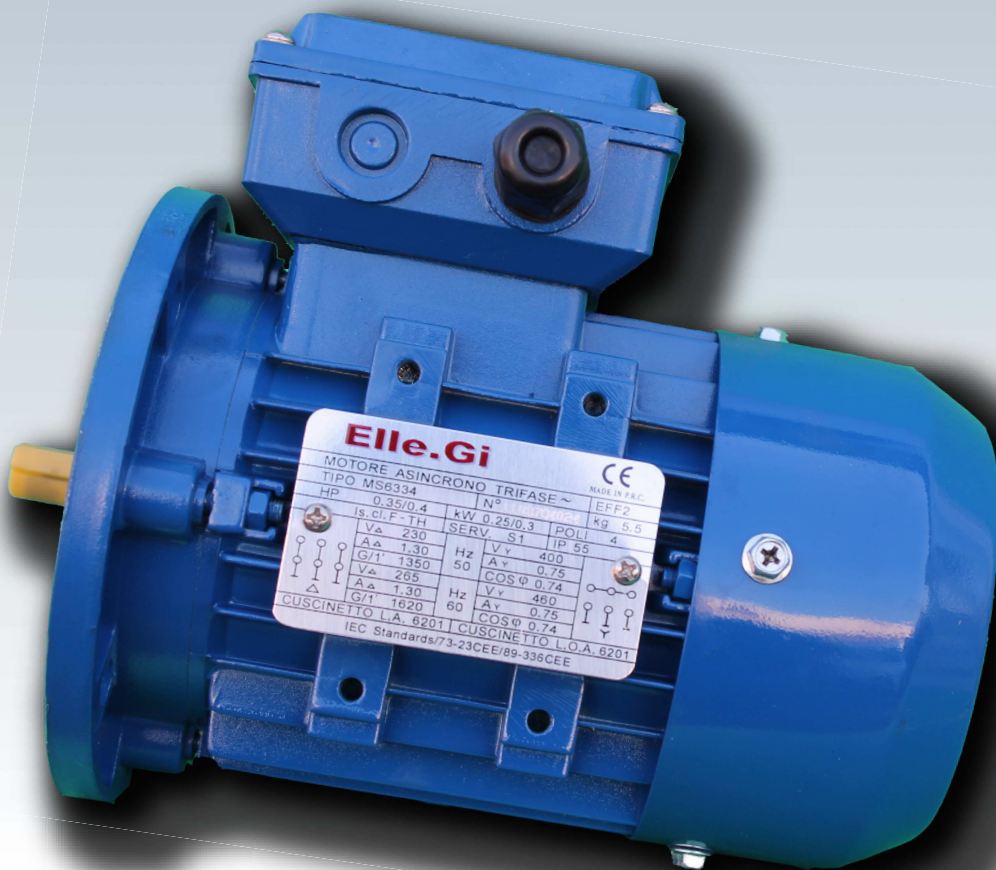


# Elle.Gi



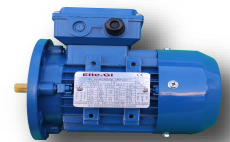
ALUMINIUM HOUSING

## MS EMS SERIES

THREE-PHASE ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Trifase

### OPERATING CONDITIONS - Condizioni di operatività

- Ambient temperature / Temperatura :  $-15^{\circ}\text{C} \leq \leq 40^{\circ}\text{C}$
- Rated voltage / Tensione nominale:  $\pm 5\%$
- Duty: continuous / Servizio continuo: (S)
- Protection Class / Classe di protezione: IP44/IP54/IP55
- Insulation Class / Classe d'isolamento :B/F
- Cooling method / Metodo di raffreddamento: ICO141



## MS SERIE THREE PHASE 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 costruzione semplice. Possono essere utilizzati per applicazioni generiche.*

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

2 POLES - 2 POLI



## MS SERIE THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

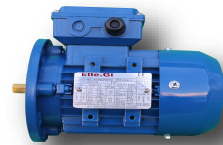
### TECHNICAL DATA AT 50Hz

	TYPE	Power (KW)	Current (A)			Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn (Times)	Tmax/Tn (Times)	Ist/In (Times)
			220V	380V	660V						
<b>4 POLES - 4 POLI</b>	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	
<b>6 POLES - 6 POLI</b>	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	



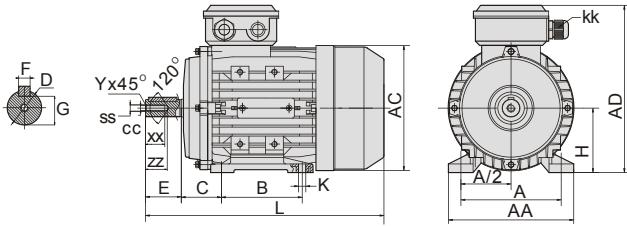
## EMS SERIE - IE2 THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

	Model	Power (KW)	Eff (%)	Current (A)	Power Factor (Cos $\phi$ )	Speed (r/min)	Tmax/Tn (Times)	Ts/Tn (Times)	Ist/In (Times)
<b>2 POLES - 2 POLI</b>	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
<b>4 POLES - 4 POLI</b>	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
<b>6 POLES - 6 POLI</b>	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

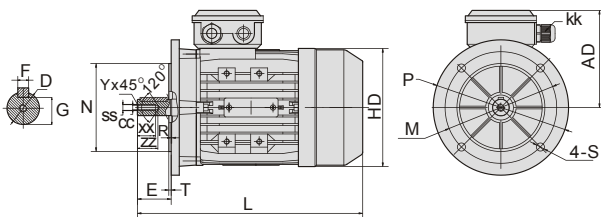


## MS - EMS SERIE IE1 - IE2 THREE PHASE ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

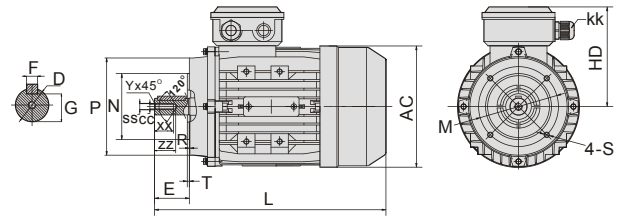
IMB3



IMB5



IMB14



### 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							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	0	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

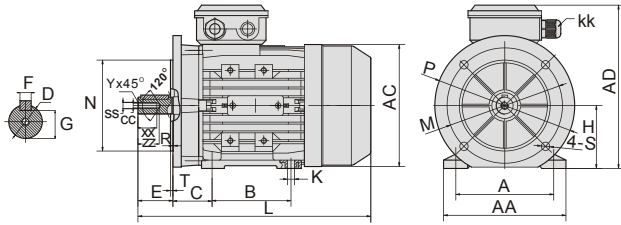
Frame	B14						B14B						D	E	F	G	KK	AC	HD	L	SS	XX	ZZ	CC	Y
	N	M	P	T	S	R	N	M	P	T	S	R													
56	φ50	φ65	φ80	2.5	M5	0							φ9	20	3	7.2	1-M16X1.5	φ120	100/95	195	M3	8	12	2.5	0.5
63	φ60	φ75	φ90	2.5	M5	0	φ80	φ100	φ120	3.0	M6	0	φ11	23	4	8.5	1-M16X1.5	φ130	110/102	230	M4	10	15	3.3	0.8
71**	φ70	φ85	φ105	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 (""))

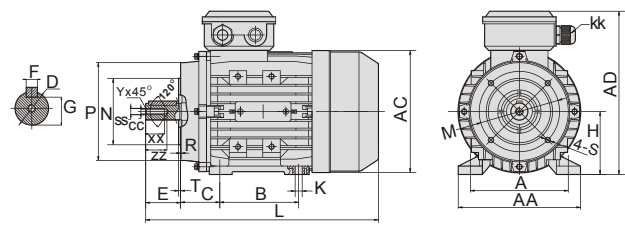


## MS - EMS SERIE IE1 - IE2 THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

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	φ 115	φ 95	φ 140	3.0	0	φ 10							100	80	40	11	23	4
71**	71	φ 130	φ 110	φ 160	3.5	0	φ 10	φ 95	φ 115	φ 140	3.0	0	φ 10	112	90	45	14	30	5
80	80	φ 165	φ 130	φ 200	3.5	0	φ 12	φ 110	φ 130	φ 160	3.5	0	φ 10	125	100	50	19	40	6
90S	90	φ 165	φ 130	φ 200	3.5	0	φ 12	φ 110	φ 130	φ 160	3.5	0	φ 12	140	100	56	24	50	8
90L1/L2	90	φ 165	φ 130	φ 200	3.5	0	φ 12	φ 110	φ 130	φ 160	3.5	0	φ 12	140	125	56	24	50	8
100**	100	φ 215	φ 180	φ 250	4.0	0	φ 15	φ 130	φ 165	φ 200	3.5	0	φ 12	160	140	63	28	60	8
112	112	φ 215	φ 180	φ 250	4.0	0	φ 15	φ 130	φ 165	φ 200	3.5	0	φ 12	190	140	70	28	60	8
132S	132	φ 265	φ 230	φ 300	4.0	0	φ 15	φ 180	φ 215	φ 250	4.0	0	φ 15	216	140	89	38	80	10
132M/L	132	φ 265	φ 230	φ 300	4.0	0	φ 15	φ 180	φ 215	φ 250	4.0	0	φ 15	216	178	89	38	80	10
160M/L	160	φ 300	φ 250	φ 350	5.0	0	φ 19							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	φ 120	195	M3	8	12	2.5	0.5
63	8.5	7X10	1-M16X1.5	120	173/165	φ 130	230	M4	10	15	3.3	0.8
71**	11	7X10	1-M20X1.5	132	188/180	φ 145	260	M5	12	18	4.2	0.8
80	15.5	10X13	1-M20X1.5	160	217	φ 165	295	M6	16	22	5	1
90S	20	10X13	1-M20X1.5	175	235	φ 185	335	M8	20	25	6.8	1
90L1/L2	20	10X13	1-M20X1.5	175	235	φ 185	365	M8	20	25	6.8	1
100**	24	10X13	1-M20X1.5	196	252	φ 205	400	M10	22	28	8.5	1.5
112	24	12X16	2-M25X1.5	220	292	φ 230	400	M10	22	28	8.5	1.5
132S	33	12X16	2-M25X1.5	252	325	φ 270	440	M12	28	34	10.2	1.5
132M/L	33	12X16	2-M25X1.5	252	325	φ 270	480/500	M12	28	34	10.2	1.5
160M/L	37	15X19	2-M32X1.5	290	290	φ 320	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	φ 105	2.5	0	M6	φ 95	φ 115	112	90	45	φ 14	30	5	11	7X10	1-M20X1.5
80	80	φ 100	φ 80	φ 120	3.0	0	M6	φ 110	φ 130	125	100	50	φ 19	40	6	15.5	10X13	1-M20X1.5
90S	90	φ 115	φ 95	φ 140	3.0	0	M8	φ 110	φ 130	140	100	56	φ 24	50	8	20	10X13	1-M20X1.5
90L1/L2	90	φ 115	φ 95	φ 140	3.0	0	M8	φ 110	φ 130	140	125	56	φ 24	50	8	20	10X13	1-M20X1.5
100**	100	φ 130	φ 110	φ 160	3.5	0	M8	φ 130	φ 165	160	140	63	φ 28	60	8	24	10X13	1-M20X1.5
112	112	φ 130	φ 110	φ 160	3.5	0	M8	φ 130	φ 165	190	140	70	φ 28	60	8	24	12X16	2-M25X1.5
132S	132	φ 165	φ 130	φ 200	3.5	0	M10	φ 180	φ 215	216	140	89	φ 38	80	10	33	12X16	2-M25X1.5
132M/L	132	φ 165	φ 130	φ 200	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 "()")



CAST IRON HOUSING

## Y2 EY2 SERIES

THREE-PHASE ASYNCHRONOUS MOTORS - Motori Elettrici Asincroni Trifase

### OPERATING CONDITIONS - Condizioni di operatività

- Ambient temperature / Temperatura Ambiente:  $-15^{\circ}\text{C} \leq \leq 40^{\circ}\text{C}$
- Rated voltage / Tensione nominale: 5%
- Protection Class / Classe di protezione: IP44/IP54

- Insulation Class / Classe d'isolamento: B/F
- Cooling method / Metodo di raffreddamento: IC0141
- 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.**



## Y2 - FY2 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			
<b>2 POLES - 2 POLI</b>	Synchronous Speed 3000r/min 50Hz								
	Y <sub>2</sub> 56M1-2	0.09	2670	0.37	57	0.65	6	2.2	2.4
	Y <sub>2</sub> 56M2-2	0.12	2730	0.43	62	0.69	6	2.2	2.4
	Y <sub>2</sub> 56M3-2	0.18	2750	0.58	65	0.72	6	2.2	2.4
	Y <sub>2</sub> 63M1-2	0.18	2710	0.58	63	0.75	6	2.2	2.4
	Y <sub>2</sub> 63M2-2	0.25	2710	0.75	65	0.78	6	2.2	2.4
	Y <sub>2</sub> 63M3-2	0.37	2710	1.1	65	0.78	6	2.2	2.4
	Y <sub>2</sub> 71M1-2	0.37	2730	1.1	70	0.79	6	2.2	2.4
	Y <sub>2</sub> 71M2-2	0.55	2760	1.5	71	0.79	6	2.2	2.4
	Y <sub>2</sub> 71M3-2	0.75	2730	1.9	72	0.82	6	2.2	2.4
	Y <sub>2</sub> 80M1-2	0.75	2770	1.9	73	0.84	6	2.2	2.4
	Y <sub>2</sub> 80M2-2	1.1	2770	2.7	76	0.83	6	2.2	2.4
	Y <sub>2</sub> 80M3-2	1.5	2800	3.5	78	0.83	6	2.2	2.4
	Y <sub>2</sub> 90S-2	1.5	2840	3.5	78	0.84	6	2.2	2.4
	Y <sub>2</sub> 90L1-2	2.2	2840	4.9	81	0.85	6	2.2	2.4
	Y <sub>2</sub> 90L2-2	3	2840	6.5	82	0.86	6	2.2	2.4
	Y <sub>2</sub> 100L1-2	3	2840	6.4	82	0.87	7	2.2	2.3
	Y <sub>2</sub> 100L2-2	4	2850	8.3	84	0.87	7.5	2.2	2.3
	Y <sub>2</sub> 112M-2	4	2800	8.3	84	0.87	7.5	2.2	2.3
	Y <sub>2</sub> 112L-2	5.5	2880	11.1	85	0.88	7.5	2	2.3
	Y <sub>2</sub> 132S1-2	5.5	2900	11.1	85	0.88	7.5	2	2.2
	Y <sub>2</sub> 132S2-2	7.5	2920	15	87	0.88	7.5	2	2.2
	Y <sub>2</sub> 132M1-2	9.2	2930	17.9	88	0.89	7.5	2	2.2
	Y <sub>2</sub> 132M2-2	11	2930	21	88	0.9	7.5	2	2.2
	Y <sub>2</sub> 160M1-2	11	2940	21	88	0.9	7.5	2	2.2
	Y <sub>2</sub> 160M2-2	15	2940	28	89	0.91	7.5	2	2.2
	Y <sub>2</sub> 160L-2	18.5	2940	34.4	90	0.91	7.5	2	2.2
	Y <sub>2</sub> 180M-2	22	2940	39.2	90	0.9	7.5	2	2.3
	Y <sub>2</sub> 200L1-2	30	2950	52.8	91	0.9	7.5	2	2.3
	Y <sub>2</sub> 200L2-2	37	2950	64.5	92	0.9	7.5	2	2.3
	Y <sub>2</sub> 225M-2	45	2970	78.2	92	0.9	7.5	2	2.3
	Y <sub>2</sub> 250M1-2	55	2970	95.4	92.5	0.9	7.5	2	2.3
	Y <sub>2</sub> 250M2-2	75	2970	129.3	93	0.9	7.5	2	2.3
	Y <sub>2</sub> 280M1-2	90	2970	152.2	93.8	0.91	7.5	2	2.3
Y <sub>2</sub> 280M2-2	110	2980	185.6	94	0.91	7.1	1.8	2.2	
Y <sub>2</sub> 315M1-2	132	2980	221.6	94.5	0.91	7.1	1.8	2.2	
Y <sub>2</sub> 315M2-2	160	2980	265.4	94.6	0.92	7.1	1.8	2.2	
Y <sub>2</sub> 315L1-2	200	2980	331	94.8	0.92	7.1	1.8	2.2	
Y <sub>2</sub> 315L2-2	250	2980	411.6	95.3	0.92	7.1	1.6	2.2	
Y <sub>2</sub> 355L1-2	315	2980	517	95.6	0.92	7.1	1.6	2.2	
<b>4 POLES - 4 POLI</b>	Synchronous Speed 1500r/min 50Hz								
	Y <sub>2</sub> 56M1-4	0.06	1320	0.32	48	0.59	6	2.3	2.4
	Y <sub>2</sub> 56M2-4	0.09	1320	0.45	50	0.61	6	2.3	2.4
	Y <sub>2</sub> 56M3-4	0.12	1320	0.56	52	0.63	6	2.2	2.4
	Y <sub>2</sub> 63M1-4	0.12	1350	0.5	57	0.64	6	2.2	2.4
	Y <sub>2</sub> 63M2-4	0.18	1350	0.71	59	0.65	6	2.2	2.4
	Y <sub>2</sub> 63M3-4	0.25	1350	0.96	60	0.66	6	2.2	2.4
	Y <sub>2</sub> 71M1-4	0.25	1350	0.88	60	0.72	6	2.2	2.4
	Y <sub>2</sub> 71M2-4	0.37	1370	1.17	65	0.74	6	2.2	2.4
	Y <sub>2</sub> 71M3-4	0.55	1380	1.69	66	0.75	6	2.2	2.4
	Y <sub>2</sub> 80M1-4	0.55	1370	1.66	69	0.75	6	2.2	2.4
	Y <sub>2</sub> 80M2-4	0.75	1380	2.03	72	0.78	6	2.2	2.4
	Y <sub>2</sub> 80M3-4	1.1	1390	2.18	76	0.78	6	2.2	2.4
	Y <sub>2</sub> 90S-4	1.1	1400	2.78	76	0.79	6	2.2	2.4
	Y <sub>2</sub> 90L1-4	1.5	1400	3.63	78	0.8	6	2.2	2.4
	Y <sub>2</sub> 90L2-4	2.2	1400	5.16	81	0.8	7	2.2	2.3
	Y <sub>2</sub> 100L1-4	2.2	1420	5.09	81	0.81	7	2.2	2.3
	Y <sub>2</sub> 100L2-4	3	1420	6.81	82	0.81	7	2.2	2.2
	Y <sub>2</sub> 112M-4	4	1430	8.8	84	0.82	7	2.2	2.2
	Y <sub>2</sub> 112L2-4	5.5	1440	11.75	85	0.83	7	2.2	2.2
	Y <sub>2</sub> 132S-4	5.5	1450	11.61	85	0.84	7	2.2	2.2
	Y <sub>2</sub> 132M-4	7.5	1450	15.41	87	0.85	7	2.2	2.2
	Y <sub>2</sub> 132L1-4	9.2	1460	18.79	87	0.85	7.5	2.2	2.2
	Y <sub>2</sub> 132L2-4	10	1460	20.31	88	0.85	7.5	2.2	2.2
	Y <sub>2</sub> 132L3-4	11	1460	21.98	88	0.86	7.5	2.2	2.2
	Y <sub>2</sub> 160M-4	11	1460	21.73	88	0.87	7.5	2.2	2.2
	Y <sub>2</sub> 160L-4	15	1460	29.63	88	0.87	7.5	2.2	2.2
	Y <sub>2</sub> 180M-4	18.5	1470	34.3	90	0.86	7.5	2.2	2.3
	Y <sub>2</sub> 180L-4	22	1470	40.6	91	0.86	7.5	2.2	2.3
	Y <sub>2</sub> 200L-4	30	1470	54.7	92	0.86	7.2	2.2	2.3
	Y <sub>2</sub> 225S-4	37	1480	66.4	92	0.87	7.2	2.2	2.3
	Y <sub>2</sub> 225M-4	45	1480	80.5	92	0.87	7.2	2.2	2.3
	Y <sub>2</sub> 250M1-4	55	1480	98.1	93	0.87	7.2	2.2	2.3
	Y <sub>2</sub> 280S1-4	75	1480	132.7	93.8	0.87	7.2	2.2	2.3
Y <sub>2</sub> 280M1-4	90	1480	158.5	94.2	0.87	7.2	2.2	2.3	
Y <sub>2</sub> 315S1-4	110	1490	191	94.5	0.88	6.9	2.1	2.2	
Y <sub>2</sub> 315M1-4	132	1490	228.4	94.8	0.88	6.9	2.1	2.2	
Y <sub>2</sub> 315L1-4	160	1490	273	94.9	0.89	6.9	2.1	2.2	
Y <sub>2</sub> 315L2-4	200	1490	334.4	95	0.89	6.9	2.1	2.2	
Y <sub>2</sub> 355M1-4	250	1490	420.7	95.3	0.9	6.9	2.1	2.2	
Y <sub>2</sub> 355L1-4	315	1490	528.4	95.6	0.9	6.9	2.1	2.2	





## Y2 - FY2 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			
<b>6 POLES - 6 POLI</b>	Synchronous Speed 1000r/min 50Hz								
	Y <sub>2</sub> 80M1-6	0.37	890	1.3	62	0.70	4.70	1.90	2.00
	Y <sub>2</sub> 80M2-6	0.55	890	1.7	65	0.72	4.70	1.90	2.10
	Y <sub>2</sub> 90S-6	0.75	910	2.2	69	0.72	5.50	2.00	2.10
	Y <sub>2</sub> 90L-6	1.1	910	3.0	72	0.73	5.50	2.00	2.10
	Y <sub>2</sub> 100L-6	1.5	920	3.8	76	0.75	5.50	2.00	2.10
	Y <sub>2</sub> 112M-6	2.2	940	5.3	79	0.76	6.50	2.00	2.10
	Y <sub>2</sub> 132S-6	3	960	7.0	81	0.76	6.50	2.10	2.10
	Y <sub>2</sub> 132M1-6	4	960	9.3	82	0.76	6.50	2.10	2.10
	Y <sub>2</sub> 132M2-6	5.5	960	12.3	84	0.77	6.50	2.10	2.10
	Y <sub>2</sub> 160M-6	7.5	970	16.4	86	0.77	6.50	2.00	2.10
	Y <sub>2</sub> 160L-6	11	970	23.3	87.5	0.78	6.50	2.00	2.10
	Y <sub>2</sub> 180L-6	15	970	30.0	89.0	0.81	7.00	2.00	2.10
	Y <sub>2</sub> 200L1-6	18.5	970	36.6	90.0	0.81	7.00	2.10	2.10
	Y <sub>2</sub> 200L2-6	22	970	42.5	90.0	0.83	7.00	2.10	2.10
	Y <sub>2</sub> 225M-6	30	980	56.3	91.5	0.84	7.00	2.00	2.10
	Y <sub>2</sub> 250M1-6	37	980	67.5	92	0.86	7	2.1	2.1
	Y <sub>2</sub> 280S1-6	45	980	81.7	92.5	0.86	7	2.1	2
	Y <sub>2</sub> 280M1-6	55	980	99.5	92.8	0.86	7	2.1	2
	Y <sub>2</sub> 315S1-6	75	990	134.6	93.5	0.86	7	2	2
	Y <sub>2</sub> 315M1-6	90	990	161.1	93.8	0.86	7	2	2
	Y <sub>2</sub> 315L1-6	110	990	196.1	94	0.86	6.7	2	2
	Y <sub>2</sub> 315L2-6	132	990	232.5	94.2	0.87	6.7	2	2
	Y <sub>2</sub> 355M1-6	160	990	227.7	94.5	0.88	6.7	1.9	2
Y <sub>2</sub> 355M2-6	200	990	346.4	94.7	0.88	6.7	1.9	2	
Y <sub>2</sub> 355L1-6	250	990	432.1	94.9	0.88	6.7	1.9	2	
<b>8 POLES - 8 POLI</b>	Synchronous Speed 750r/min 50Hz								
	Y <sub>2</sub> 80M1-8	0.18	630	0.9	51.0	0.61	3.30	1.80	1.90
	Y <sub>2</sub> 80M2-8	0.25	640	1.1	54.0	0.61	3.30	1.80	1.90
	Y <sub>2</sub> 90S-8	0.37	660	1.4	62.0	0.61	4.00	1.80	1.90
	Y <sub>2</sub> 90L-8	0.55	660	2.1	63.0	0.61	4.00	1.80	2.00
	Y <sub>2</sub> 100L1-8	0.75	690	2.3	71.0	0.67	4.00	1.80	2.00
	Y <sub>2</sub> 100L2-8	1.1	690	3.2	73.0	0.69	5.00	1.80	2.00
	Y <sub>2</sub> 112M-8	1.5	680	4.2	75.0	0.69	5.00	1.80	2.00
	Y <sub>2</sub> 132S-8	2.2	710	5.8	78.0	0.71	6.00	1.80	2.00
	Y <sub>2</sub> 132M-8	3	710	7.5	79.0	0.73	6.00	1.80	2.00
	Y <sub>2</sub> 160M1-8	4	720	9.8	81.0	0.73	6.00	1.90	2.00
	Y <sub>2</sub> 160M2-8	5.5	720	12.9	83.0	0.74	6.00	2.00	2.00
	Y <sub>2</sub> 160L-8	7.5	720	16.9	85.5	0.75	6.00	2.00	2.00
	Y <sub>2</sub> 180L-8	11	730	23.9	87.5	0.76	6.60	2.00	2.00
	Y <sub>2</sub> 200L-8	15	730	32.4	88.0	0.76	6.60	2.00	2.00
	Y <sub>2</sub> 225S-8	18.5	730	39.1	90.0	0.76	6.60	1.90	2.00
	Y <sub>2</sub> 225M-8	22	740	45.0	90.5	0.78	6.60	1.90	2.00
	Y <sub>2</sub> 250M1-8	30	740	63.4	91	0.79	6.6	1.9	2
	Y <sub>2</sub> 280S1-8	37	740	73.9	91.5	0.79	6.6	1.9	2
	Y <sub>2</sub> 280M1-8	45	740	89.4	92	0.79	6.6	1.9	2
	Y <sub>2</sub> 315S1-8	55	740	105.6	92.8	0.81	6.6	1.8	2
	Y <sub>2</sub> 315M1-8	75	740	143.7	93	0.81	6.6	1.8	2
	Y <sub>2</sub> 315L1-8	90	740	168.9	93.8	0.82	6.6	1.8	2
	Y <sub>2</sub> 315L2-8	110	740	206	94	0.82	6.4	1.8	2
Y <sub>2</sub> 355M1-8	132	740	248	93.7	0.82	6.4	1.8	2	
Y <sub>2</sub> 355M2-8	160	740	299	94.2	0.82	6.4	1.8	2	
Y <sub>2</sub> 355L1-8	200	740	368.1	94.5	0.83	6.4	1.8	2	



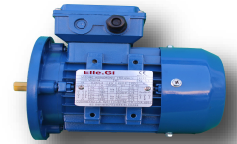
## Y2 - EY2 SERIE IE1 - IE2 THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

**NOMINAL MINIMUM EFFICIENCIES(  $\eta$  ) 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 Speed 3000r/min 50Hz								
EY280M1-2	0.75	2770	1.9	77.4	0.84	6	2.2	2.4
EY280M2-2	1.1	2770	2.7	79.6	0.83	6	2.2	2.4
EY290S-2	1.5	2840	3.5	81.3	0.84	6	2.2	2.4
EY290L1-2	2.2	2840	4.9	83.2	0.85	6	2.2	2.4
EY2100L1-2	3	2840	6.4	84.6	0.87	7	2.2	2.3
EY2112M-2	4	2800	8.3	85.8	0.87	7.5	2.2	2.3
EY2132S1-2	5.5	2900	11.1	87.0	0.88	7.5	2	2.2
EY2132S2-2	7.5	2920	15	88.1	0.88	7.5	2	2.2
EY2160M1-2	11	2940	21	89.4	0.9	7.5	2	2.2
EY2160M2-2	15	2940	28	90.3	0.91	7.5	2	2.2
EY2160L-2	18.5	2940	34.4	90.9	0.91	7.5	2	2.2
EY2180M-2	22	2940	39.2	91.3	0.9	7.5	2	2.3
EY2200L1-2	30	2950	52.8	92.0	0.9	7.5	2	2.3
EY2200L2-2	37	2950	64.5	92.5	0.9	7.5	2	2.3
EY2225M-2	45	2970	78.2	92.9	0.9	7.5	2	2.3
EY2250M1-2	55	2970	95.4	93.2	0.9	7.5	2	2.3
EY2250M2-2	75	2970	129.3	93.8	0.9	7.5	2	2.3
EY2280M1-2	90	2970	152.2	94.1	0.91	7.5	2	2.3
EY2280M2-2	110	2980	185.6	94.3	0.91	7.1	1.8	2.2
EY2315M1-2	132	2980	221.6	94.6	0.91	7.1	1.8	2.2
EY2315M2-2	160	2980	265.4	94.8	0.92	7.1	1.8	2.2
EY2315L1-2	200	2980	331	95.0	0.92	7.1	1.8	2.2
EY2315L2-2	250	2980	411.6	95.0	0.92	7.1	1.6	2.2
EY2355L1-2	315	2980	517	95.0	0.92	7.1	1.6	2.2

Synchronous Speed 1500r/min 50Hz

4 POLES - 4 POLI	EY280M1-4	0.55	1370	1.66	69	0.75	6	2.2	2.4
	EY280M2-4	0.75	1380	2.03	79.6	0.78	6	2.2	2.4
	EY290S-4	1.1	1400	2.78	81.4	0.79	6	2.2	2.4
	EY290L1-4	1.5	1400	3.63	82.8	0.8	6	2.2	2.4



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

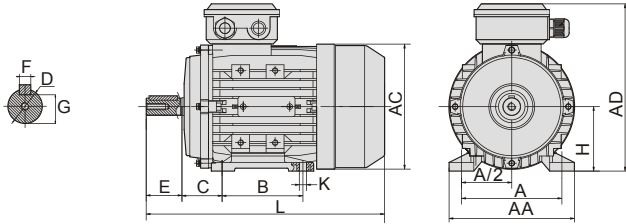
NOMINAL MINIMUM EFFICIENCIES( $\eta$ ) FOR IE2 EFFICIENCY LEVEL(50/60Hz)

	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			
<b>4 POLES - 4 POLI</b>	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	
<b>6 POLES - 6 POLI</b>	Synchronous Speed 1000r/min 50Hz								
	EY <sub>2</sub> 90S-6	0.75	910	2.2	75.9	0.72	5.50	2.00	2.10
	EY <sub>2</sub> 90L-6	1.1	910	3.0	78.1	0.73	5.50	2.00	2.10
	EY <sub>2</sub> 100L-6	1.5	920	3.8	79.8	0.75	5.50	2.00	2.10
	EY <sub>2</sub> 112M-6	2.2	940	5.3	81.8	0.76	6.50	2.00	2.10
	EY <sub>2</sub> 132S-6	3	960	7.0	83.3	0.76	6.50	2.10	2.10
	EY <sub>2</sub> 132M1-6	4	960	9.3	84.6	0.76	6.50	2.10	2.10
	EY <sub>2</sub> 132M2-6	5.5	960	12.3	86.0	0.77	6.50	2.10	2.10
	EY <sub>2</sub> 160M-6	7.5	970	16.4	87.2	0.77	6.50	2.00	2.10
	EY <sub>2</sub> 160L-6	11	970	23.3	88.7	0.78	6.50	2.00	2.10
	EY <sub>2</sub> 180L-6	15	970	30.0	89.7	0.81	7.00	2.00	2.10
	EY <sub>2</sub> 200L1-6	18.5	970	36.6	90.4	0.81	7.00	2.10	2.10
	EY <sub>2</sub> 200L2-6	22	970	42.5	90.9	0.83	7.00	2.10	2.10
	EY <sub>2</sub> 225M-6	30	980	56.3	91.7	0.84	7.00	2.00	2.10
	EY <sub>2</sub> 250M1-6	37	980	67.5	92.2	0.86	7	2.1	2.1
	EY <sub>2</sub> 280S1-6	45	980	81.7	92.7	0.86	7	2.1	2
	EY <sub>2</sub> 280M1-6	55	980	99.5	93.1	0.86	7	2.1	2
	EY <sub>2</sub> 315S1-6	75	990	134.6	93.7	0.86	7	2	2
	EY <sub>2</sub> 315M1-6	90	990	161.1	94.0	0.86	7	2	2
	EY <sub>2</sub> 315L1-6	110	990	196.1	94.3	0.86	6.7	2	2
	EY <sub>2</sub> 315L2-6	132	990	232.5	94.6	0.87	6.7	2	2
	EY <sub>2</sub> 355M1-6	160	990	227.7	94.8	0.88	6.7	1.9	2
EY <sub>2</sub> 355M2-6	200	990	346.4	95.0	0.88	6.7	1.9	2	
EY <sub>2</sub> 355L1-6	250	990	432.1	95.0	0.88	6.7	1.9	2	

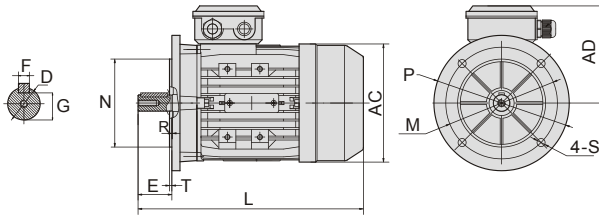


## Y2 - EY2 SERIE IE1 - IE2 THREE PHASES ASYNCHRONOUS MOTORS - MOTORI ELETTRICI ASINCRONI TRIFASE

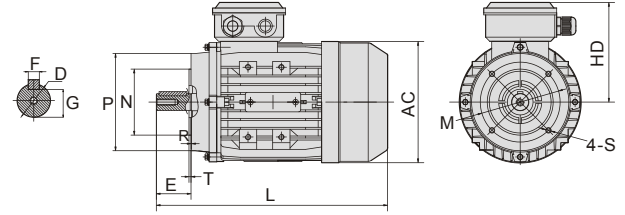
IMB3



IMB5



IMB14



### 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
250M	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
280S	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
280M	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
315S	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
315M	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
315L	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
355M	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
355L	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
250M	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
280S	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
280M	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 "( )")



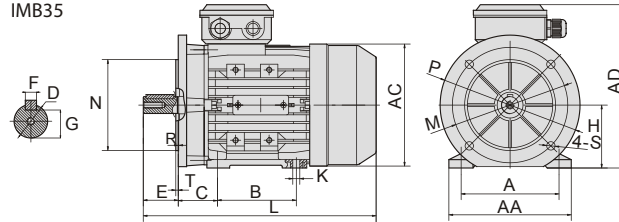
## Y2 - EY2 SERIE IE1 - IE2

### 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 80	φ 100	φ 120	3.0	M6	φ 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 95	φ 115	φ 140	3.0	M8	φ 0	φ 11	23	4	8.5	1-M16X1.5	φ 130	110/102	230
71**	φ 70	φ 85	φ 105	2.5	M6	0	φ 95	φ 115	φ 140	3.0	M8	φ 0	φ 14	30	5	11	1-M20X1.5	φ 145	117/109	260
80	φ 80	φ 100	φ 120	3.0	M6	0	φ 110	φ 130	φ 160	3.5	M8	φ 0	φ 19	40	6	15.5	1-M20X1.5	φ 165	137	295
90S	φ 95	φ 115	φ 140	3.0	M8	0	φ 110	φ 130	φ 160	3.5	M8	φ 0	φ 24	50	8	20	1-M20X1.5	φ 185	145	335
90L1/L2	φ 95	φ 115	φ 140	3.0	M8	0	φ 110	φ 130	φ 160	3.5	M8	φ 0	φ 24	50	8	20	1-M20X1.5	φ 185	145	365
100**	φ 110	φ 130	φ 160	3.5	M8	0	φ 130	φ 165	φ 200	3.5	M10	φ 0	φ 28	60	8	24	1-M20X1.5	φ 205	152	400
112	φ 110	φ 130	φ 160	3.5	M8	0	φ 130	φ 165	φ 200	3.5	M10	φ 0	φ 28	60	8	24	2-M25X1.5	φ 230	180	400
132S	φ 130	φ 165	φ 200	3.5	M10	0	φ 180	φ 215	φ 250	4.0	M12	φ 0	φ 38	80	10	33	2-M25X1.5	φ 270	193	480
132M/L	φ 130	φ 165	φ 200	3.5	M10	0	φ 180	φ 215	φ 250	4.0	M12	φ 0	φ 38	80	10	33	2-M25X1.5	φ 270	193	510/535

IMB35



#### 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
250M	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
280S	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
280M	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
315S	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
315M	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
315L	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
355M	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
355L	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	φ 15	355	455	φ 360	670
180L	2, 4, 6, 8	φ 15	355	455	φ 360	710
200L	2, 4, 6, 8	φ 19	375	505	φ 400	775
225S	4, 8	φ 19	435	560	φ 470	815
225M	2	φ 19	435	560	φ 470	820
225M	4, 6, 8	φ 19	435	560	φ 470	845
250M	2	φ 24	490	615	φ 510	910
250M	4, 6, 8	φ 24	490	615	φ 510	910
280S	2	φ 24	550	680	φ 580	985
280S	4, 6, 8	φ 24	550	680	φ 580	985
280M	2	φ 24	550	680	φ 580	1035
280M	4, 6, 8	φ 24	550	680	φ 580	1035
315S	2	φ 28	635	845	φ 645	1185
315S	4, 6, 8	φ 28	635	845	φ 645	1215
315M	2	φ 28	635	845	φ 645	1295
315M	4, 6, 8	φ 28	635	845	φ 645	1325
315L	2	φ 28	635	845	φ 645	1295
315L	4, 6, 8	φ 28	635	845	φ 645	1325
355M	2	φ 28	730	1010	φ 710	1500
355M	4, 6, 8	φ 28	730	1010	φ 710	1530
355L	2	φ 28	730	1010	φ 710	1500
355L	4, 6, 8	φ 28	730	1010	φ 710	1530