

GENERAL INTRODUCTION

MODERNA Single phase MY Series

Aluminum Motors are acknowledged as having a name for Quality and Reliability. They are suitable for driving small type machine tools, water pumps, etc, specially for family workshops where only single-phase current supply is available.

MY: Capacitor run series.

MODERNA Single

Phase Motors incorporate:

Superior finish

Motor size acc. to IEC. DIN.

Totally Enclosed Fan cooled

Light construction

Top mounted terminal box










IP55 Protection, IC411 cooling.










Choice of foot or flange mounting

Motor frame size from 56-112

Rated at 220V 50Hz.

Mounting Arrangements

Types of mounting	IEC 34-7 Code I	1992 Code II
	IM B ₃	IM 1001
	IM B ₅	IM 3001
	IM B ₆	IM 1051
	IM B ₇	IM 1061
	IM B ₈	IM 1071
	IM B ₁₄	IM 3601
	IM B ₃₄	IM 2101
	IM B ₃₅	IM 2001
	IM V ₁	IM 3001

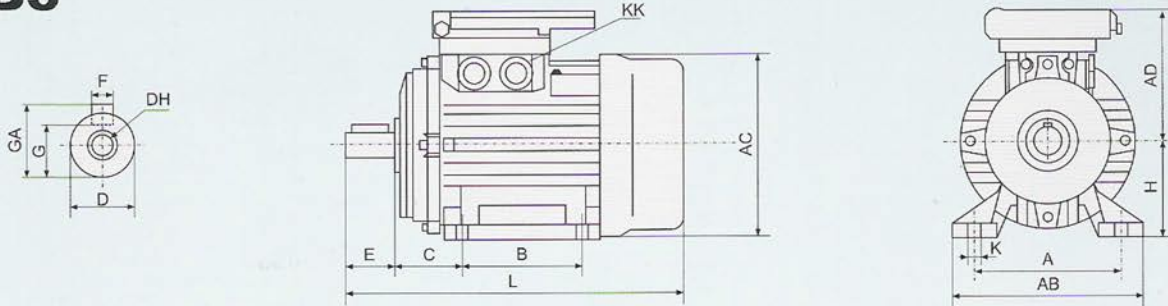
Types of mounting	IEC 34-7 Code I	1992 Code II
	IM V ₁	IM 3021
	IM V ₃	IM 1011
	IM V ₅	IM 1031
	IM V ₆	IM 2011
	IM V ₁₅	IM 12111
	IM V ₁₅	IM 3611
	IM V ₁₈	IM 3631
	IM V ₃₆	IM 2031
	IM V ₃₆	IM 2131

MY Capacitor run series

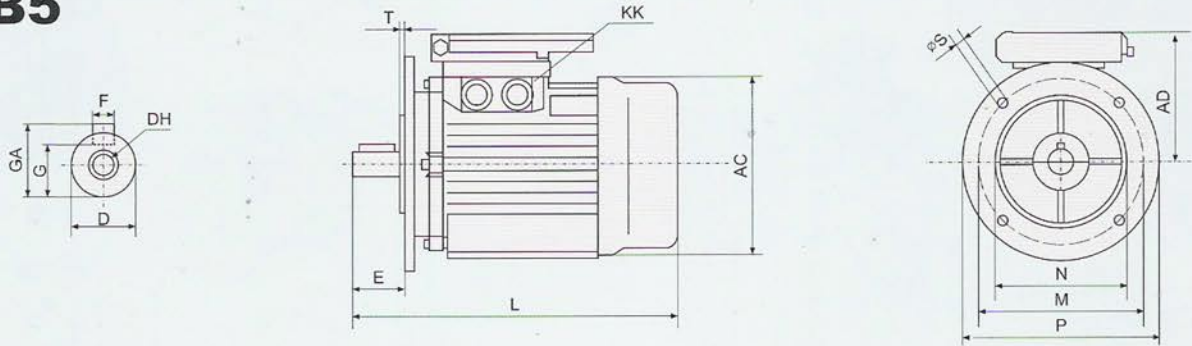
Motor Type	Rated output power kw	full-load current 220V A	Rated speed min ⁻¹	full-load power factor cos ϕ	Full-load efficiency η %	locked rotor current I _s /I _n	locked rotor torque M _s /M _n	break down torque M _k /M _n	Running capacitor (450 V) μ F	net weight kg
MY5612	0.09	0.8	2730	0.92	56	3.2	0.5	1.7	6	3.2
MY5622	0.12	1.0	2730	0.92	60	3.5	0.5	1.7	6	3.4
MY6312	0.18	1.37	2740	0.92	65	3.7	0.4	1.7	6	3.9
MY6322	0.25	1.90	2740	0.92	66	3.7	0.4	1.7	8	4.4
MY7112	0.37	2.73	2750	0.92	67	3.7	0.35	1.7	12	6.2
MY7122	0.55	3.9	2760	0.92	70	3.9	0.35	1.7	16	6.3
MY8012	0.75	5.2	2780	0.92	72	3.9	0.33	1.7	30	8.3
MY8022	1.1	7.1	2790	0.95	75	4.3	0.33	1.7	35	9.0
MY90S-2	1.5	9.5	2800	0.95	76	4.8	0.30	1.7	40	13
MY90L-2	2.2	13.7	2800	0.95	77	4.8	0.30	1.7	40	15
MY5614	0.06	0.61	1330	0.9	50	3.3	0.45	1.7	6	3.2
MY5624	0.09	0.87	1340	0.9	52	2.9	0.45	1.7	6	3.4
MY6314	0.12	1.1	1350	0.9	57	3.2	0.40	1.7	6	4.0
MY6324	0.18	1.54	1360	0.9	59	3.3	0.40	1.7	8	4.5
MY7114	0.25	2.1	1370	0.92	61	3.4	0.35	1.7	12	6.1
MY7124	0.37	3.0	1370	0.92	62	3.4	0.35	1.7	16	7.0
MY8014	0.55	4.3	1380	0.92	64	3.5	0.35	1.7	25	9.5
MY8024	0.75	5.5	1380	0.92	68	3.7	0.32	1.7	30	10
MY90S4	1.1	7.5	1390	0.95	71	4	0.32	1.7	40	13
MY90L4	1.5	9.9	1400	0.95	73	4.6	0.30	1.7	40	16

Mounting and Overall Dimensions
H56~90 H56~90 without Lifting Bolt.

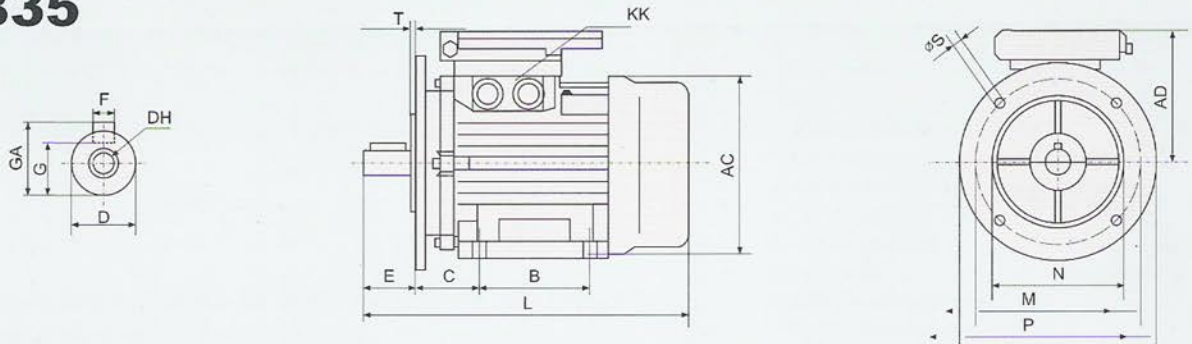
B3



B5



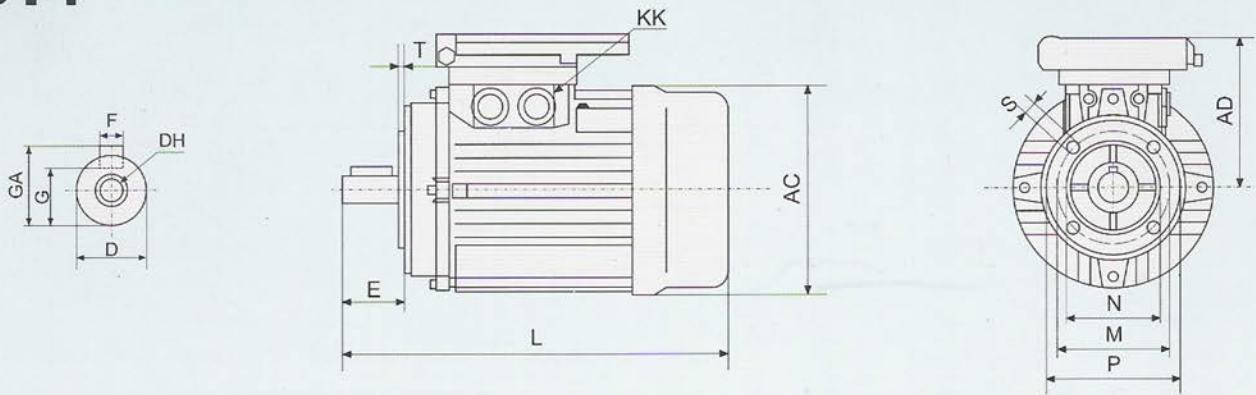
B35



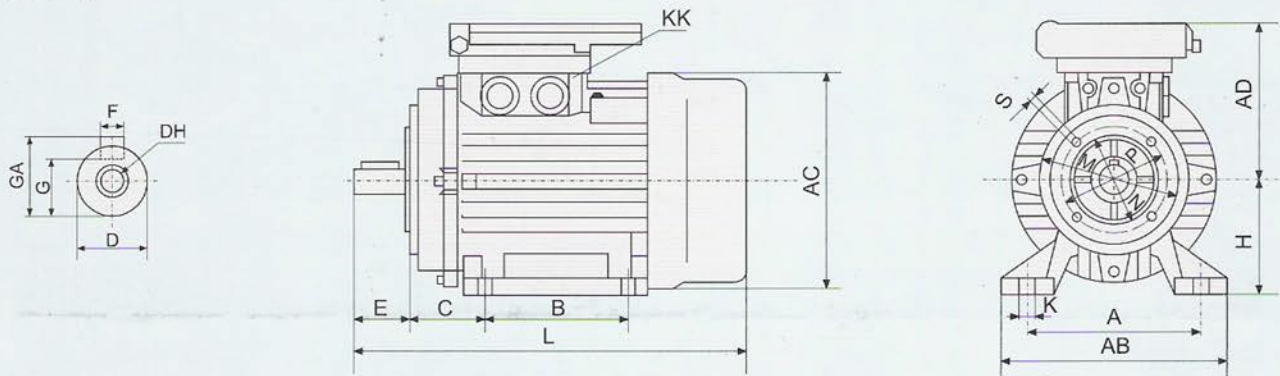
Frame	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	Flange No.	GA
56	90	110	110	86	71	36	9	M4×12	20	3	7.2	56	7	2-M18×1.5	189	100	80	120	7	3	FF 100	10.2
63	100	122	122	96	80	40	11	M4×12	23	4	8.5	63	7	2-M18×1.5	218	115	95	140	9	3	FF 115	12.5
71	112	136	138	110	90	45	14	M5×12	30	5	11	71	7	2-M18×1.5	250	130	110	160	9	3.5	FF 130	16
80	125	154	157	152	100	50	19	M6×16	40	6	15.5	80	10	2-M20×1.5	278	165	130	200	12	3.5	FF 165	21.5
90S	140	174	175	158	100	56	24	M8×19	50	8	20	90	10	2-M20×1.5	335	165	130	200	12	3.5	FF 165	27
90L	140	174	175	158	125	56	24	M8×19	50	8	20	90	10	2-M20×1.5	335	165	130	200	12	3.5	FF 165	27
100L	160	194	196	177	140	63	28	M10×22	60	8	24	100	12	2-M20×1.5	377	215	180	250	15	4	FF 215	31
112M	190	224	220	184	140	70	28	M10×22	60	8	24	112	12	2-M25×1.5	395	215	180	250	15	4	FF 215	31

Mounting and Overall Dimensions

B14

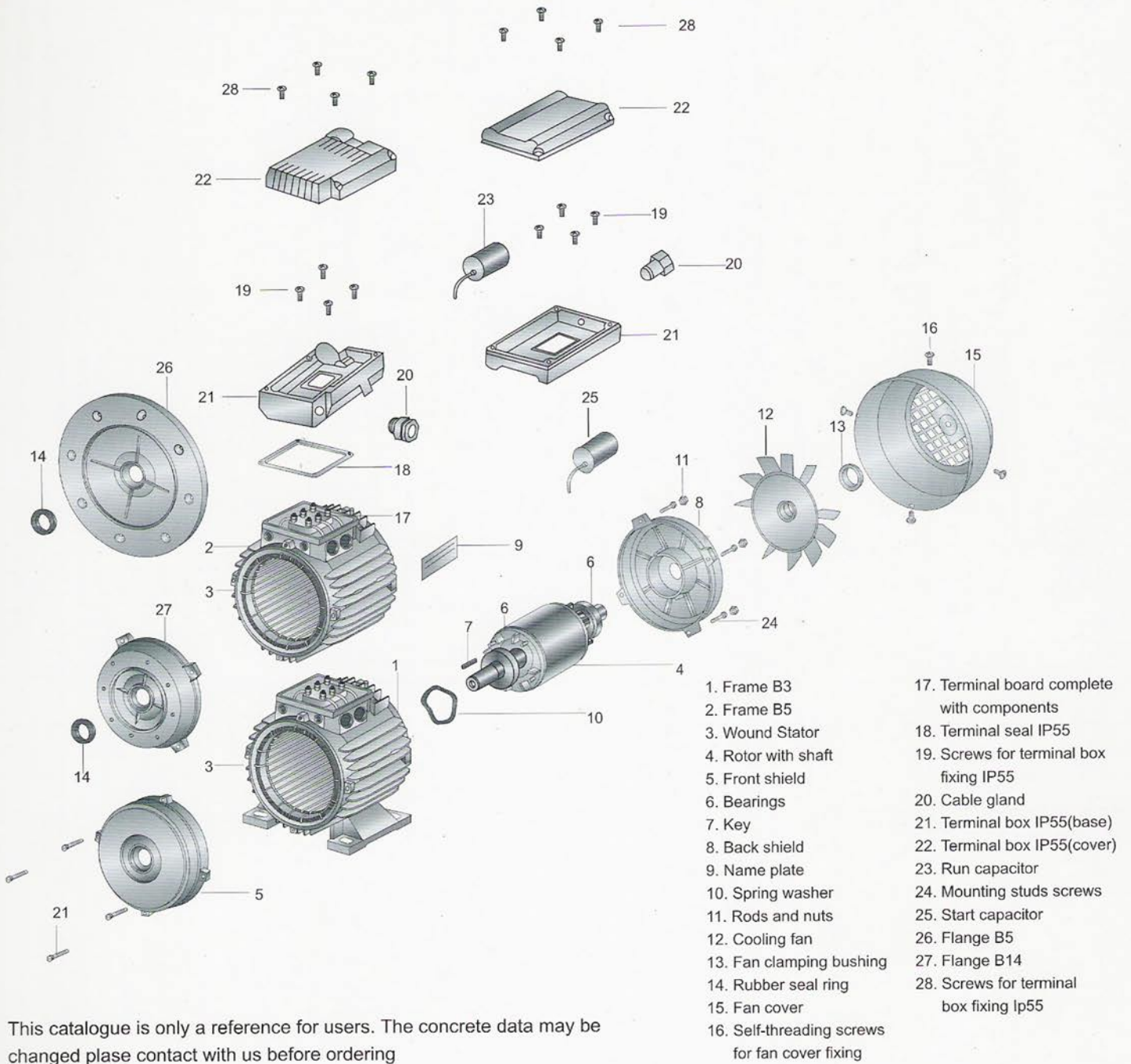


B34



H56~90 without Lifting Bolt.

Frame	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	Flange No.	GA
56	90	110	110	96	71	36	9	M4×12	20	3	7.2	56	7	2-M18×1.5	189	65	50	80	M5	3	FT 65	10.2
63	100	122	122	96	80	40	11	M4×12	23	4	8.5	63	7	2-M18×1.5	218	75	60	90	M5	3	FT 75	12.5
71	112	136	138	110	90	45	14	M5×12	30	5	11	71	7	2-M18×1.5	250	85	70	105	M6	3.5	FT 85	16
80	125	154	157	152	100	50	19	M6×16	40	6	15.5	80	10	2-M20×1.5	278	100	80	120	M6	3.5	FT 100	21.5
90S	140	174	175	158	100	56	24	M8×19	50	8	20	90	10	2-M20×1.5	335	115	95	140	M8	3.5	FT 115	27
90L	140	174	175	158	125	56	24	M8×19	50	8	20	90	10	2-M20×1.5	335	115	95	140	M8	3.5	FT 115	27
100L	160	194	196	177	140	63	28	M10×22	60	8	24	100	12	2-M20×1.5	377	130	110	160	M8	4	FT 130	31
112M	190	224	220	184	140	70	28	M10×22	60	8	24	112	12	2-M25×1.5	395	130	110	160	M8	4	FT 130	31



This catalogue is only a reference for users. The concrete data may be changed please contact with us before ordering

FRAME SIZE	DRIVING END S K F - BEARINGS	NON DRIVING END S K F - BEARINGS	OILSEAL	PG THREAD
56	6201ZZ-C3	6201ZZ-C3	Ø12×Ø22×5	PG11
63	6201ZZ-C3	6201ZZ-C3	Ø12×Ø22×7	PG11
71	6202ZZ-C3	6202ZZ-C3	Ø15×Ø25×7	PG11
80	6204ZZ-C3	6204ZZ-C3	Ø20×Ø30×7	PG13.5
90	6205ZZ-C3	6205ZZ-C3	Ø25×Ø37×7	PG16
100	6206ZZ-C3	6206ZZ-C3	Ø30×Ø42×7	PG16
112	6206ZZ-C3	6206ZZ-C3	Ø30×Ø42×7	Pg21