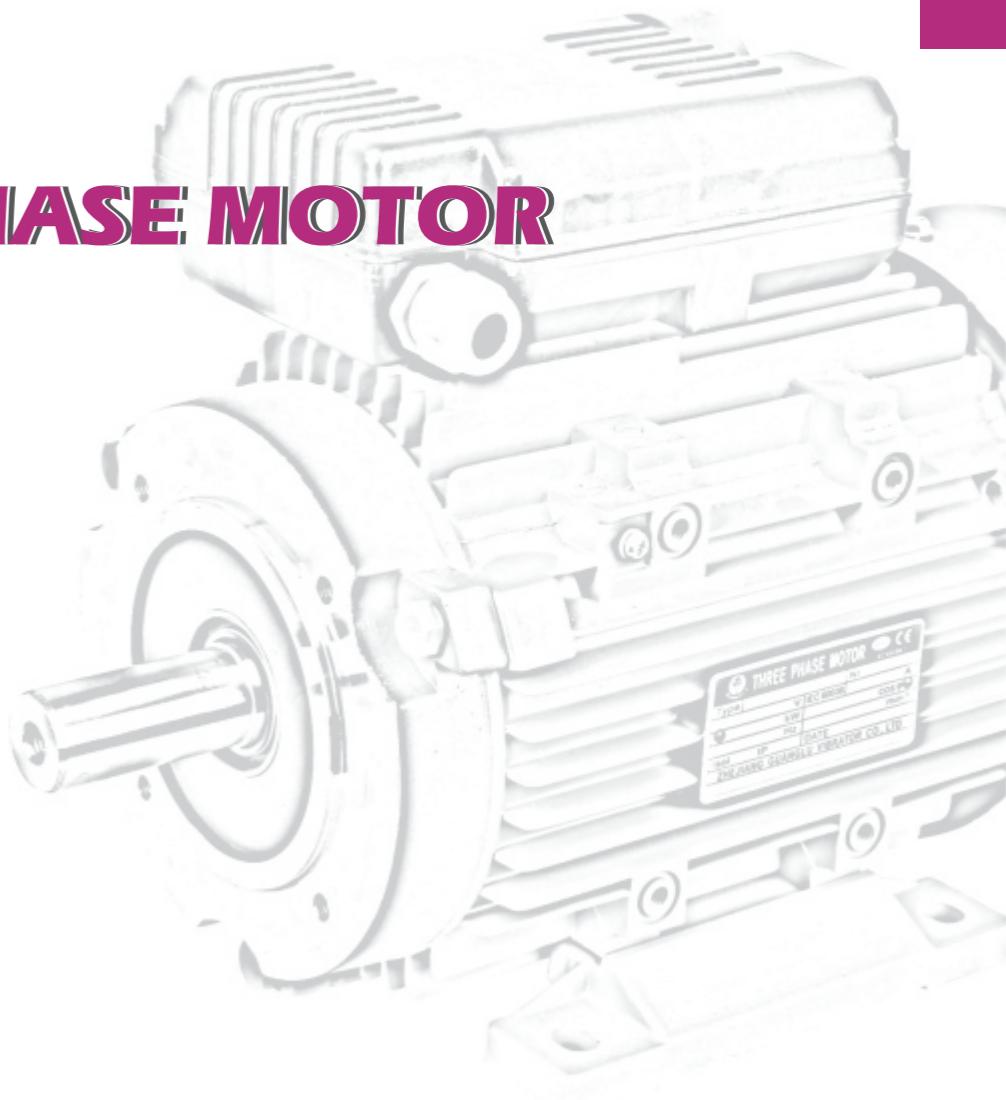




GUANGLU MOTOR



GM
SINGLE-PHASE MOTOR



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The information provided in this catalogue contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.



Located in ShanShi Industrial park of Taizhou City, border on the picturesque scenery East China Sea, China · GuangLu Electrical Co., Ltd. Enjoys convenient transportation by water, land and air. The company occupies 25 thousand square meters and owns advanced producing equipments, it is a company specialized in electrical machinery manufacturing with all kinds of classifications, it is a member of Small and Medium-Sized Enterprises Electrical motor factory in the whole nation, it is a cooperated company with Shanghai Testing & Inspection Institute.

Our company was established in 80's, it was listed in the important industry member of key enterprise factory in WenLing, it is in the front of fifth strongest factory in DaXi. Furthermore, the company own excellent staff and a powerful scientific and technical system, advanced mode of production, hi-efficiency production facilities, continually renew testing equipments and consummate modernized management system. All products are according to the International IEC standard, it has arrived to the advanced level in the international same area. It has passed ISO9001:2000 International Quality Conformity, and got CCC, CECP, CE Certificate, it is one of the biggest exported company in the Small and Medium Size in the Electrical area. In 2009, it was awarded "National Hi-Tech enterprise", YX3 series -high efficiency electrical motor has listed in the energy Conservation Project.

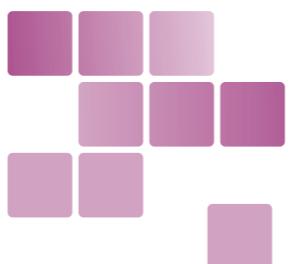
Guanglu company specially produce IE2 series, Gost standard motor, YX3 high efficiency motor, GM removable single phase aluminium body motor, Y3, YZR3 series, brake motor, double speed motor, vibrator motor, single phase series, Vibrators, high frequency vibrator stick, cutter, grinder, etc. Guanglu products were sold to all over the world, such as Europe, Middle east and our neighbors, the products are welcomed by customers and with favorable comments. In order to manufacture high quality products, Guanglu company introduced high efficiency production lines and increased new machining centers, such as lathe, automatic high speed stamping system, microcomputer test center, Coordinate Measurement System, control strictly from material select, machining, manufacture, assembly to test, make the control system computerized and automated.

Guanglu make Science and technology as foremost, people oriented, improve quality constantly, most of products are superfine and high quality, are sold with good reputation in domestic and overseas market.

Guanglu company pursuing improvement spirit, advancing innovate independently, speed up the adjustment for products' structure, develop high-tech products energetically, perfect the technology, operate in high efficiency, with positive attitude as enterprise's belief, and serve customers with satisfied and excellence products and loyal service as the company tenet.



Brief introduction

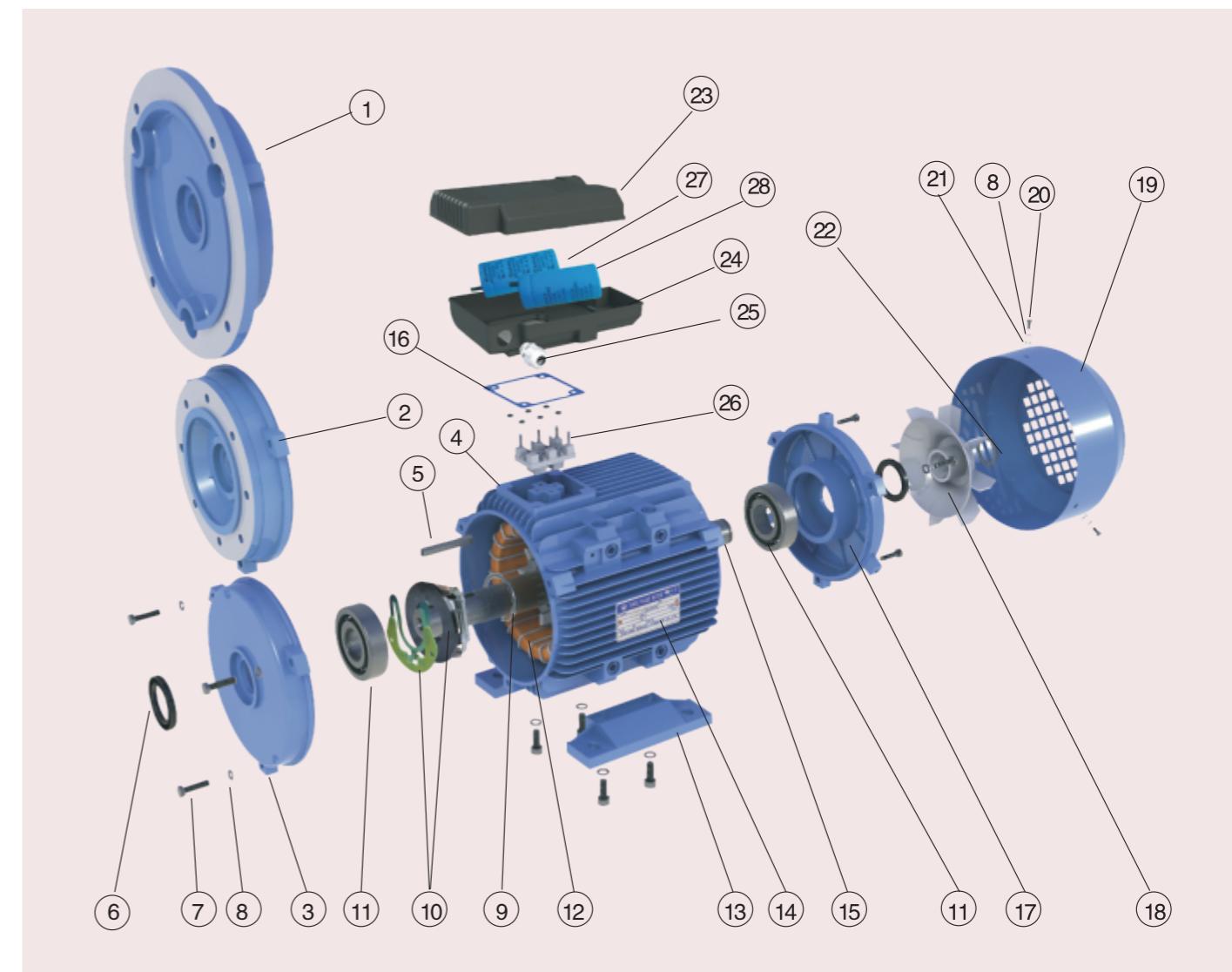


YESTERDAY
Tomorrow
Today

GUANGLU, step by step in the highest flight



COMPANY HONOUR



- | | | |
|------------------------|--------------------|------------------------|
| 1. B5 Flange | 11. Bearing | 21. Washer |
| 2. B14 Flange | 12. Stator | 22. Fan Clamp |
| 3. Front Endshield | 13. Feet | 23. Terminal Box Lid |
| 4. Frame | 14. Nameplate | 24. Terminal Box Base |
| 5. Key | 15. Rotor | 25. Cable Gland |
| 6. Oil Seal (V ring) | 16. Gasket | 26. Terminal Board |
| 7. Bolt | 17. Rear Endshield | 27. Running Capacitor |
| 8. Spring Washer | 18. Fan | 28. Starting Capacitor |
| 9. Circlip | 19. Fan Cover | |
| 10. Centrifugal Switch | 20. Screw | |

GMYL

SINGLE-PHASE ASYNCHRONOUS MOTOR



GMYL SINGLE-PHASE ASYNCHRONOUS MOTOR

GMYL series capacitor asynchronous motors are single-phase the motors of capacitor start and run. Main features: small size high capacity, strong starting torque, high power factor and efficiency, safety and reliability in running, simple construction and easy maintenance, it possess frame No. and capacity as three-phase asynchronous motors.

The rated frequency of the motors in 50Hz while the rated voltage is 220V.

This series motors are of totally enclosed fan-cooled structure, class B insulation, IP44 degree of protection and IEC411 method of cooling. The mounting dimensions of the motors are all in conformity with IEC standards. Mounting types: IM B3, IM B5, IM B35, IM B14, IM V1, IM V3, IM V5, IM V6, IM V18, IM V19, IM V36.

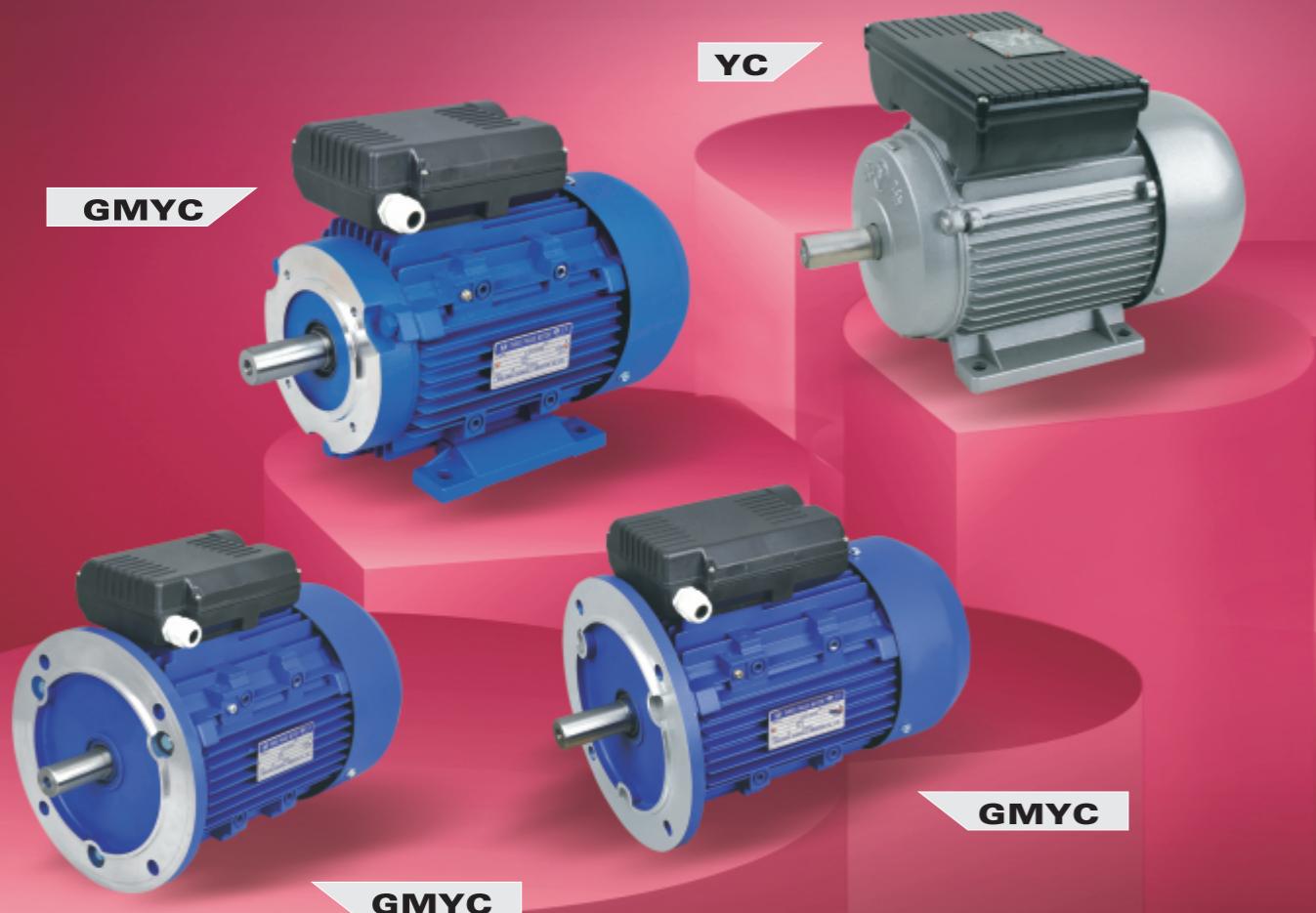
GMYL series motors are suitable for machines and equipments such as full load start.

TECHNICAL DATA OF GMYL SERIES

Frame reference and size	Rated power	Full load speed in revolutions per minute	Full load current at rated voltage	Excite Voltage	Efficiency	Power factor	Direct on line starting ratio	Direct on line pull out torque ratio	Direct on line starting current ratio	Mean sound pressure level@1m on no load	Weight
Type	Output (kW)	Speed (r/min)	Amps (A)	Voltage (V)	EFF. (%)	P.F. CosΦ	LRT RLT	BDT RLT	LRA RLA	Noise LwDB(A)	Weight (kg)
GMYL711-2	0.37	2800	2.7	220	67	0.92	1.8	1.6	5.5	72	10
GMYL712-2	0.55	2800	3.9	220	70	0.92	1.8	1.6	5.5	72	11
GMYL711-4	0.25	1400	2.0	220	62	0.92	1.7	1.6	5.0	67	9
GMYL712-4	0.37	1400	2.8	220	65	0.92	1.7	1.6	5.0	67	10
GMYL801-2	0.75	2800	4.9	220	73	0.95	1.8	1.6	5.5	75	14
GMYL802-2	1.1	2800	7.0	220	75	0.95	1.8	1.6	5.5	75	15
GMYL801-4	0.55	1400	3.95	220	69	0.92	1.7	1.6	5.0	70	13
GMYL802-4	0.75	1400	5.05	220	71	0.95	1.7	1.6	5.0	70	14
GMYL90S-2	1.5	2800	9.4	220	76	0.95	1.8	1.6	5.5	78	22
GMYL90L-2	2.2	2800	13.7	220	77	0.95	1.7	1.6	5.5	78	24
GMYL90S-4	1.1	1400	7.3	220	72	0.95	1.7	1.6	5.0	73	21
GMYL90L-4	1.5	1400	9.7	220	74	0.95	1.7	1.6	5.0	73	23
GMYL100L-2	3	2800	18.2	220	79	0.95	1.7	1.6	6.0	83	24
GMYL100L1-4	2.2	1400	13.9	220	76	0.95	1.7	1.6	5.0	78	32
GMYL100L2-4	3	1400	18.4	220	78	0.95	1.7	1.6	5.0	78	33
GMYL112M-2	3.7	2800	22.1	220	80	0.95	1.7	1.6	6.0	83	46
GMYL112M-4	3.7	1400	22.4	220	79	0.95	1.7	1.6	5.5	83	44
GMYL132-2	5.5	2800	32.5	220	81	0.95	1.7	1.6	6.0	88	66
GMYL132-4	5.5	1400	32.9	220	80	0.95	1.7	1.6	5.5	83	70

GMYC

SINGLE-PHASE ASYNCHRONOUS MOTOR



GUANGLU MOTOR

GMYC SINGLE-PHASE ASYNCHRONOUS MOTOR

Single-phase capacitor-start asynchronous motor. Series GMYC, is totally enclosed fan-cooled type. The starting torque of motors is 2-3 times as rated torque. The motors give excellent performance such as low in noise, low in temperature-rise, high in overloading capacity and convenience in maintenance. It may widely application in all types of small machine tools compression pumps refrigerators and the equipment which need bigger starting torque, etc.

They are wonderful utilities for family workshop where only single-phase power are available. This series motors adopts class B insulation, IP44 degree of protection and IEC0141 method of cooling. The rated frequency of the motor is 50Hz while the rating voltage is 220V.

The mounting dimensions of the motors are all in conformity with IEC standard. Mounting

Types: IM B3, IM B5, IM B35, IM B14, IM B34, IM V1, IM V3, IM V5, IM V6, IM V18, IM V19, IM V36. Working conditions: Altitude above sea level not over 1000m, Altitude temperature not over 40°C.

TECHNICAL DATA OF GMYC SERIES

Frame reference and size	Rated power	Fullload speed in revolutions per minute	Full load current at rated voltage	Exciter voltage	Efficiency	Power factor	Direct on line starting torque ratio	Direct on line pull out torque ratio	Locked rotor torque	Mean sound pressure level @1m on no load	Weight
Type	Output (kW)	Speed (r/min)	Amps (A)	Voltage (V)	EFF. (%)	P.F. CosΦ	LRT / RLT	BDT / RLT	LRA	Noise LwdB(A)	Weight (kg)
GMYC711-2	0.18	2800	1.9	220	60	0.72	3.0	1.8	12	70	9.5
GMYC712-2	0.25	2800	2.4	220	64	0.74	3.0	1.8	15	70	10
GMYC711-4	0.12	1400	1.9	220	50	0.58	3.0	1.8	9	65	9.5
GMYC712-4	0.18	1400	2.5	220	53	0.62	2.8	1.8	12	65	10
GMYC801-2	0.37	2800	3.4	220	65	0.77	2.8	1.8	21	75	13.5
GMYC802-2	0.55	2800	4.7	220	68	0.79	2.8	1.8	29	75	14.5
GMYC801-4	0.25	1400	3.1	220	58	0.63	2.8	1.8	15	65	13.5
GMYC802-4	0.37	1400	4.2	220	62	0.64	2.5	1.8	21	70	14.5
GMYC90S-2	0.75	2800	6.1	220	70	0.80	2.5	1.8	37	75	22
GMYC90L-2	1.1	2800	8.7	220	72	0.80	2.5	1.8	60	78	21
GMYC90S-4	0.55	1400	5.5	220	66	0.69	2.5	1.8	29	70	22
GMYC90L-4	0.75	1400	6.9	220	68	0.73	2.5	1.8	37	70	21
GMYC100L1-2	1.5	2800	11.4	220	74	0.81	2.5	1.8	80	83	31
GMYC100L2-2	2.2	2800	16.5	220	75	0.81	2.2	1.8	120	83	33
GMYC100L1-4	1.1	1400	9.5	220	71	0.74	2.5	1.8	60	73	31
GMYC100L2-4	1.5	1400	12.5	220	73	0.75	2.5	1.8	80	78	32
GMYC112M-2	3	2800	21.9	220	76	0.82	2.2	1.8	150	87	46
GMYC112M-4	2.2	1400	17.8	220	74	0.76	2.2	1.8	120	78	40
GMYC132S-2	3.7	2800	26.6	220	77	0.82	2.2	1.8	175	87	64
GMYC132S-4	3	1400	23.6	220	75	0.77	2.2	1.8	150	82	64
GMYC132M-4	3.7	1400	28.0	220	76	0.79	2.2	1.8	175	82	70

GMYY

SINGLE-PHASE ASYNCHRONOUS MOTOR



GMYY SINGLE-PHASE ASYNCHRONOUS MOTOR

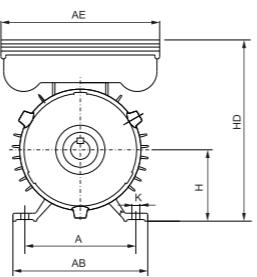
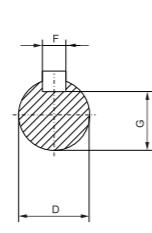
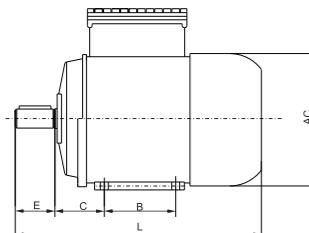
GMYY series run capacitor asynchronous motor, is produced according IEC standard, with many feature as simply structure, steady running , advanced technical indicators and easily maintenance. Fitting for household appliances , air compressor, pump, blower ,recorder instrument etc.

GMYY series motor is TEFC (totally enclosed fan cooling), IP 55, INS . CL.F.Terminal box at top.

TECHNICAL DATA OF GMYY SERIES

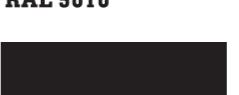
Frame reference and size	Rated power	Full load current at rated voltage	Exciter Voltage	Frequency at constant power	Full load speed in revolutions per minute	Efficiency	Power factor	Direct on the line starting torque ratio	Direct on line pull out torque ratio	Locked rotor torque	Mean sound pressure level @ m on no load
Type	Output (kW)	Amps (A)	Voltage (V)	Frequency	Speed (r/min)	EFF. (%)	P.F. CosΦ	LRT / RLT	BDT / RLT	LRA	Noise LdB(A)
GMYY63M1-2	0.18	1.37	220	50	2790	65	0.92	0.4	1.7	5.0	70
GMYY63M2-2	0.25	1.87	220	50	2790	66	0.92	0.4	1.7	7.0	70
GMYY63M1-4	0.12	1.06	220	50	1390	57	0.90	0.4	1.7	3.5	65
GMYY63M2-4	0.18	1.54	220	50	1390	59	0.90	0.35	1.7	5.0	65
GMYY71M1-2	0.37	2.73	220	50	2800	67	0.92	0.35	1.7	10	75
GMYY72M2-2	0.55	3.88	220	50	2800	70	0.92	0.35	1.7	15	75
GMYY71M1-4	0.25	2.02	220	50	1400	61	0.92	0.35	1.7	7	65
GMYY71M2-4	0.37	2.95	220	50	1400	62	0.92	0.35	1.7	10	70
GMYY80M1-2	0.75	5.15	220	50	2800	72	0.92	0.33	1.7	20	75
GMYY80M2-2	1.1	7.02	220	50	2800	75	0.95	0.33	1.7	30	78
GMYY80M1-4	0.55	4.25	220	50	1400	64	0.92	0.35	1.7	15	70
GMYY80M2-4	0.75	5.45	220	50	1400	68	0.92	0.32	1.7	20	70
GMYY90S-2	1.5	9.44	220	50	2800	76	0.95	0.30	1.7	45	83
GMYY90L-2	2.2	13.67	220	50	2800	77	0.95	0.30	1.7	65	83
GMYY90S-4	1.1	7.41	220	50	1400	71	0.95	0.32	1.7	30	73
GMYY90L-4	1.5	9.83	220	50	1400	73	0.95	0.30	1.7	45	78

MOUNTING DATA FOR YL, YC



Frame with feet and end-shield with flange (IM B3)

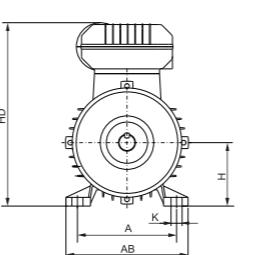
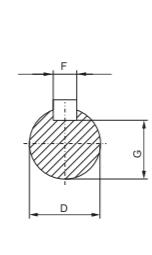
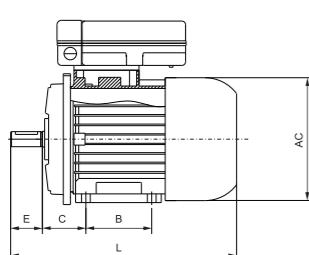
FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	AB	HD	AE	AC	L
71	2, 4	80	80	45	14	30	5	11	71	7	150	190	175	136	250
80	2, 4	125	100	50	19	40	6	15.5	80	10	165	215	200	160	295
90S	2, 4	140	100	56	24	50	8	20	90	10	180	230	200	175	315
90L	2, 4	140	125	56	24	50	8	20	90	10	180	230	200	175	340
100L	2, 4	160	140	63	28	60	8	24	100	12	200	250	200	196	425
112M	2, 4	190	140	70	28	60	8	24	112	12	230	285	200	220	450
132S	2, 4	216	140	89	38	80	10	33	132	12	260	335	200	259	485
132M	2, 4	216	178	89	38	80	10	33	132	12	260	335	200	259	525



Frame with feet and end-shield with flange (IM B5)

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	P	N	M	S	T	AB	AE	AC	HD	L
71	2, 4	80	80	45	14	30	5	11	71	7	160	110	130	10	3.5	150	175	136	190	250
80	2, 4	125	100	50	19	40	6	15.5	80	10	200	130	165	12	3.5	165	200	160	215	295
90S	2, 4	140	100	56	24	50	8	20	90	10	200	130	165	12	3.5	180	200	175	230	315
90L	2, 4	140	125	56	24	50	8	20	90	10	200	130	165	12	3.5	180	200	175	230	340
100L	2, 4	160	140	63	28	60	8	24	100	12	250	180	215	15	4	200	200	196	250	425
112M	2, 4	190	140	70	28	60	8	24	112	12	250	180	215	15	4	230	200	220	285	450
132S	2, 4	216	140	89	38	80	10	33	132	12	300	230	265	15	4	260	200	259	335	485
132M	2, 4	216	178	89	38	80	10	33	132	12	300	230	265	15	4	260	200	259	335	525

MOUNTING DATA FOR YY



Frame with feet and end-shield with flange (IM B3)

FRAME SIZE	POLES	A	B	C	D	E	F	G	H	K	AB	HD	AC	L
63	2, 4	100	80	40	11	23	4	8.5	63	7	130	165	130	230
71	2, 4	112	90	45	14	30	5	11	71	7	145	180	145	255
80	2, 4	125	100	50	19	40	6	15.5	80	10	160	200	165	295
90S	2, 4	140	100	56	24	50	8	20	90	10	180	240	185	310
90L	2, 4	140	125	56	24	50	8	20	90	10	180	240	185	335