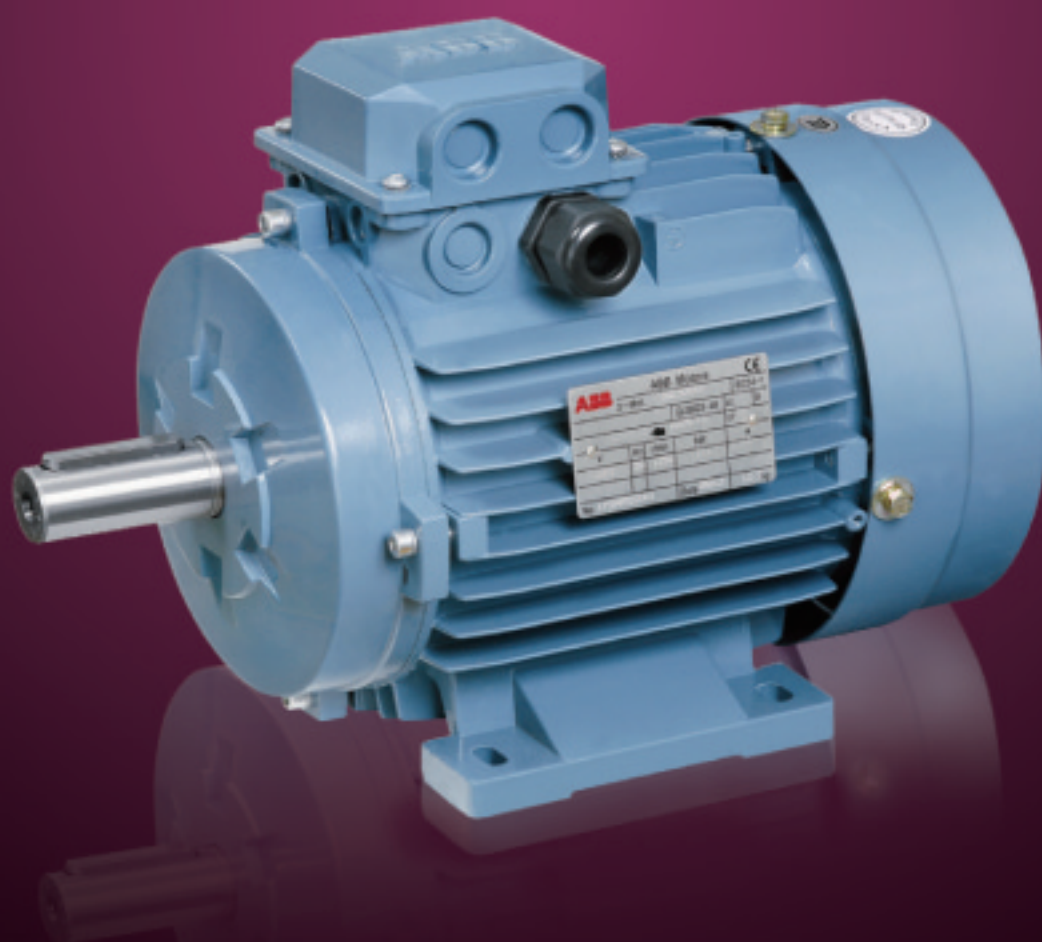




QAL系列 铝壳三相异步电动机

Power and productivity
for a better world™



公司简介

上海ABB电机有限公司成立于1995年12月，隶属于世界500强ABB集团，是专门生产和销售低压交流三相异步电动机（机座号71-355）的企业。

公司提供符合IEC标准的各种电机，可满足不同行业需求，其产品包括标准电机、变频电机、船用电机、隔爆电机、烟道电机、多速电机、QA电机、制动电机、户外电机、无火花电机、铝壳电机、磨头电机。并可提供按客户要求设计的特殊电机，所有设计均可达到客户的严格要求。同时，公司可提供具有不同绝缘等级，并能满足不同电压和频率要求的各种电机。公司主要OEM客户是空调风机、港机及起重机械、泵业、减速机、机床、纺织机械、玻璃机械、船用、电厂辅机、电路板机械等行业领先企业。项目覆盖：电厂、制浆造纸、石化、冶金、船舶、港口、建筑、水泥、机场等。目前，公司生产的45%的电机通过ABB国际销售网络出口国外，主要是欧洲市场。

作为中国第一家获得ISO9001质量管理体系认证和ISO14001环境管理体系认证的中小型电机制造厂。上海ABB电机有限公司以其良好的管理和先进的技术，向客户提供世界顶级的ABB产品和服务。



Company Introduction

Founded in December 1995, ABB Shanghai Motors Co., Ltd., belongs to ABB Group, one of the world's Top 500 Corporations, and specializes in manufacturing and marketing low voltage AC 3-phase asynchronous motors of frame size from 71 to 355.

The company offers a wide range of IEC Standard motors to meet the demands of various industries, including Standard Motors, Frequency Conversion Motors, Marine Motors, Flameproof Motors, Smoke Venting Motors, Multi-speed Motors, QA Motors, Brake Motors, Outdoor Environment Motors, Non-sparking Motors, Cast Aluminum Motors, and Motors for Glass Machinery, together with specially customized motors as per customers' demands and meeting customers' stringent requirements. In addition, the company can supply a broad range of motors with various insulation classes, which can meet various voltage and frequency requirements. The company major OEM customers are leaders in HVAC, crane, pump, gearbox, machine tool, textile, glass, marine, power plant auxiliary equipment, circuit board, etc. And its projects cover: power plant, pulp and paper, PEC, metal, marine, port, building, cement, airport, etc. Forty-five percent of its motors are currently exported abroad, mainly to the European market.

As the first small-medium motor manufacturer with ISO9001 Certification and ISO14001 Certification in China, ABB Shanghai Motors Co., Ltd. Provides its customers with world-class ABB products and service with qualified management and advanced technology.



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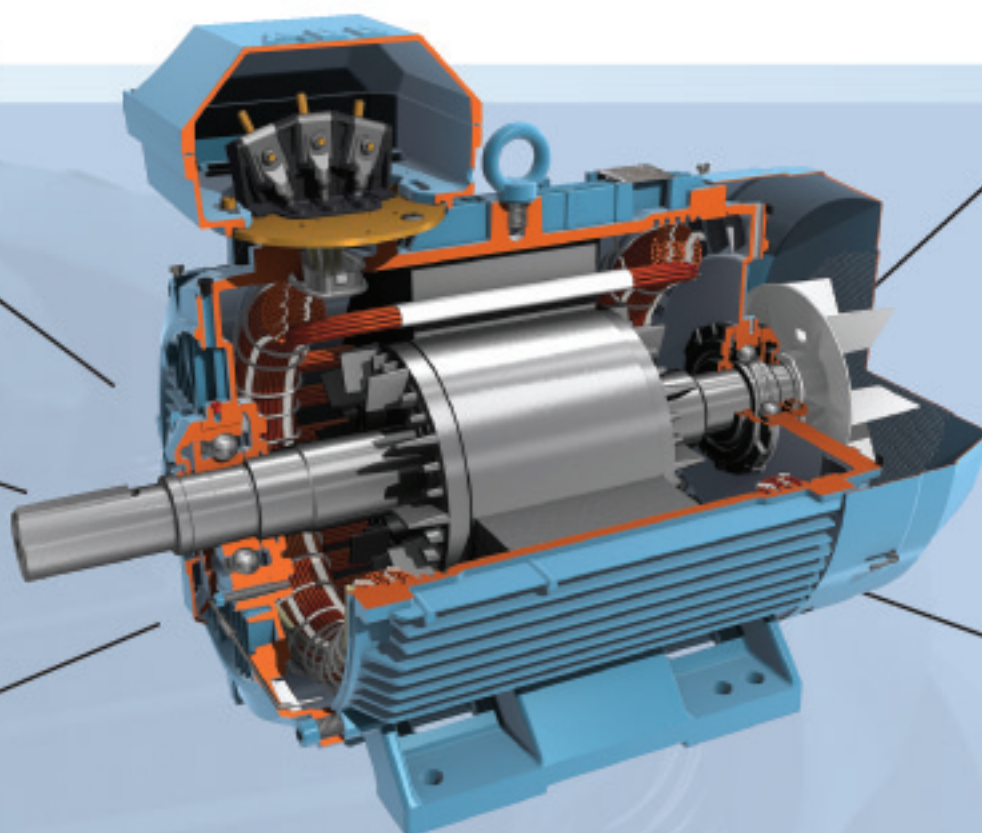
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ABB电机产品特点 ABB Motors Features

可靠
High Reliability

高效
High Efficiency

一致
Excellent Consistency



低噪音
Low Noise

高灵活性
High Flexibility

QAL 系列突出特点

- ◆ 体积小、重量轻。
- ◆ 铝制外壳，安装尺寸更小。
- ◆ 结构紧凑，噪音低。

Outstanding Features of QAL Motors

- ◆ Low weight thanks to cast aluminium frame and endshields/flanges.
- ◆ Low noise and high reliability by permanently enclosed bearings.

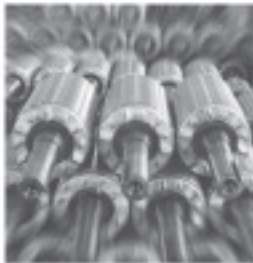




产品概述

QAL系列铝壳三相异步电动机（H56-H132）

QAL系列铝壳三相异步电动机外形美观，绕组F级绝缘，采用进口轴承，寿命长，适用于各类精巧型的机器与设备。



Summary

QAL Series Cast Aluminium Three-phase Induction Motors (H56-H132)

QAL series cast aluminium three-phase induction motors have a good outlook. The bearings are imported with low noise and long lifetime, the insulation class is F as a standard. Thanks to the cast aluminium, QAL motors are suitable for applications where low weight is required.

电机技术数据表 Technical Data Table

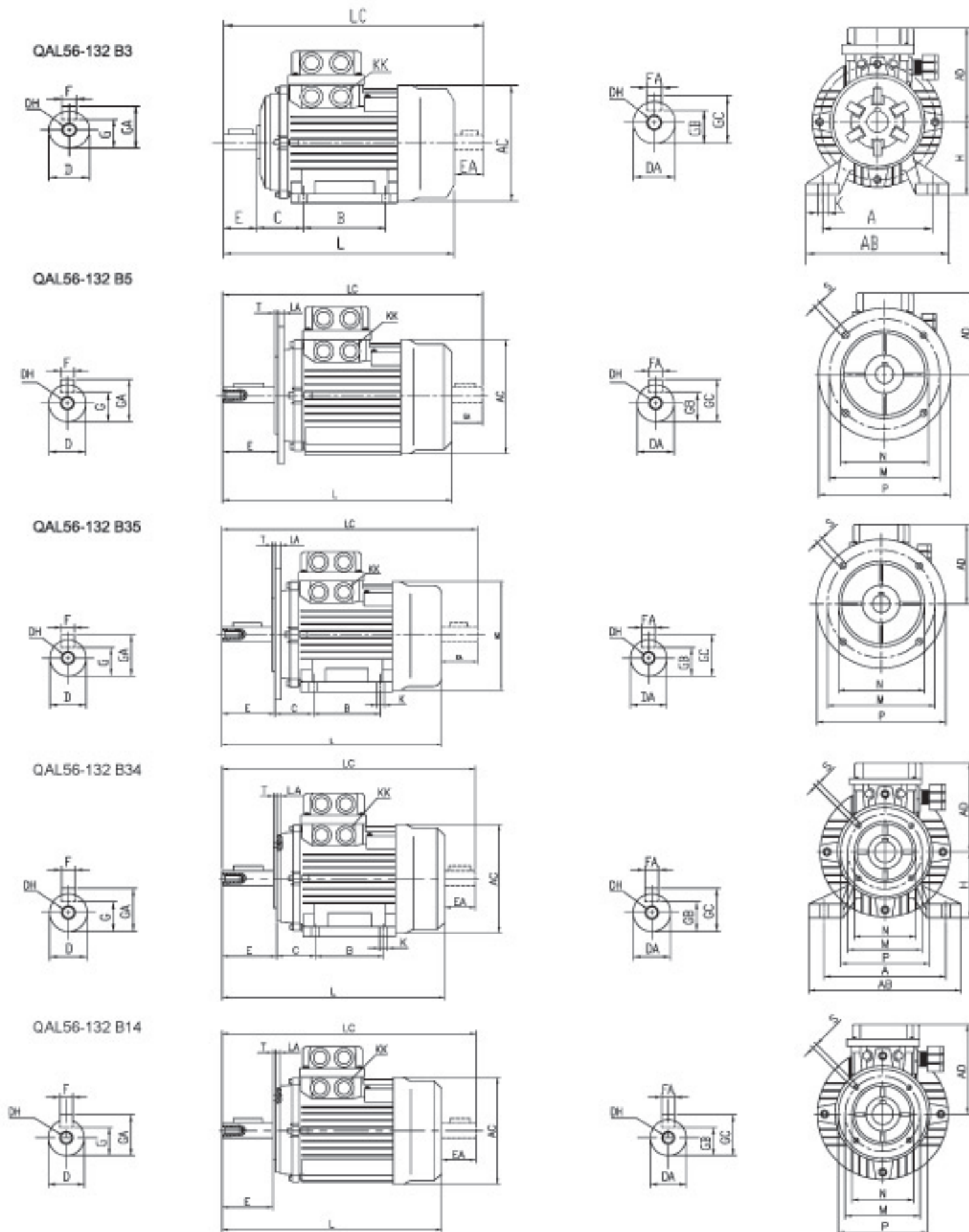
400V50Hz

功率 kW	型号 Type	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor (cosφ)	额定电流 Current (A)	堵转电流 额定电流 Current $\frac{I_s}{I_N}$	额定转矩 TN Nm	堵转转矩 额定转矩 Torque $\frac{T_s}{T_N}$	最大转矩 额定转矩 Torque $\frac{T_{MAX}}{T_N}$	振动 Vibration (mm/s)	重量 Weight (kg)	噪声 Noise Level Lp dB(A)
0.09	QAL56M2A	2625	52.0	0.65	0.38	4.5	0.33	2.3	2.0	1.8	3.2	57
0.12	QAL56M2B	2680	57.0	0.68	0.45	4.5	0.43	2.3	2.0	1.8	3.4	57
0.18	QAL63M2A	2720	65.0	0.73	0.55	5.5	0.63	2.3	2.2	1.8	3.9	57
0.25	QAL63M2B	2725	66.0	0.76	0.72	5.5	0.88	2.3	2.2	1.8	4.4	57
0.37	QAL71M2A	2700	70.0	0.81	0.94	6.1	1.31	2.3	2.2	1.8	6.2	60
0.55	QAL71M2B	2720	73.0	0.82	1.33	6.1	1.93	2.3	2.3	1.8	6.3	60
0.75	QAL80M2A	2810	75.0	0.83	1.74	5.8	2.55	2.2	2.3	1.8	8.3	60
1.1	QAL80M2B	2790	76.2	0.85	2.45	6.2	3.77	2.2	2.3	1.8	9	61
1.5	QAL90S2A	2840	78.5	0.84	3.28	6.0	5.04	2.2	2.3	1.8	12.5	62
2.2	QAL90L2A	2840	81.0	0.84	4.67	6.0	7.40	2.0	2.3	1.8	14	62
3	QAL100L2A	2860	82.6	0.87	6.03	7.5	10.02	2.0	2.3	1.8	20.5	66
4	QAL112M2A	2890	84.2	0.88	7.79	7.1	13.22	2.0	2.3	1.8	26	66
5.5	QAL132S2A	2910	85.7	0.88	10.53	7.5	18.05	2.0	2.3	1.8	40	66
7.5	QAL132S2B	2890	87.0	0.88	14.14	7.5	24.78	2.0	2.3	1.8	44	66
0.06	QAL56M4A	1340	45.0	0.55	0.35	4.0	0.43	2.4	2.3	1.8	3.2	54
0.09	QAL56M4B	1330	51.0	0.56	0.45	4.2	0.65	2.4	2.3	1.8	3.4	54
0.12	QAL63M4A	1330	59.0	0.70	0.42	4.5	0.86	2.4	2.3	1.8	4	54
0.18	QAL63M4B	1330	62.0	0.70	0.60	4.5	1.29	2.4	2.3	1.8	4.5	54
0.25	QAL71M4A	1345	65.0	0.74	0.75	5.2	1.78	2.4	2.3	1.8	6.1	59
0.37	QAL71M4B	1370	67.0	0.75	1.06	5.8	2.58	2.4	2.3	1.8	6.7	59
0.55	QAL80M4A	1390	71.0	0.77	1.45	5.3	3.78	2.4	2.3	1.8	8.9	59
0.75	QAL80M4B	1360	73.0	0.77	1.93	5.3	5.27	2.3	2.3	1.8	9.6	60
1.1	QAL90S4A	1390	76.2	0.75	2.78	4.7	7.56	2.3	2.3	1.8	12.5	61
1.5	QAL90L4A	1390	78.5	0.76	3.63	5.2	10.31	2.3	2.3	1.8	15	61
2.2	QAL100L4A	1425	81.0	0.81	4.84	6.8	14.74	2.2	2.3	1.8	19.2	64
3	QAL100L4B	1420	82.6	0.82	6.39	7.1	20.18	2.2	2.3	1.8	23	64
4	QAL112M4A	1440	84.2	0.82	8.36	6.4	26.53	2.1	2.3	1.8	29	64
5.5	QAL132S4A	1450	85.7	0.83	11.2	7.0	36.22	2.1	2.3	1.8	43.5	64
7.5	QAL132M4A	1465	87.0	0.84	14.8	7.0	48.89	2.1	2.3	1.8	53.5	64
0.18	QAL71M6A	910	53.0	0.63	0.78	4.0	1.89	2.0	2.0	1.8	6.4	54
0.25	QAL71M6B	910	62.0	0.63	0.92	4.0	2.62	2.0	2.0	1.8	6.5	54
0.37	QAL80M6A	940	65.0	0.64	1.28	4.5	3.76	2.0	2.1	1.8	8.5	57
0.55	QAL80M6B	930	65.0	0.66	1.85	4.5	5.65	2.0	2.1	1.8	9.2	57
0.75	QAL90S6A	915	69.0	0.70	2.24	5.0	7.83	2.0	2.2	1.8	12	57
1.1	QAL90L6A	915	72.0	0.72	3.06	5.0	11.48	2.0	2.2	1.8	14	60
1.5	QAL100L6A	920	76.0	0.74	3.85	5.5	15.57	2.0	2.2	1.8	19.5	61
2.2	QAL112M6A	935	79.0	0.74	5.43	5.5	22.47	2.0	2.2	1.8	28	61
3	QAL132S6A	960	81.0	0.76	7.03	6.3	29.84	2.0	2.2	1.8	38	64
4	QAL132M6A	965	82.0	0.77	9.14	6.4	39.59	2.0	2.2	1.8	45	64
5.5	QAL132M6B	965	84.0	0.78	12.1	6.5	54.43	2.0	2.2	1.8	54	64

IMB14,B34

Frame	Pole	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	L	M	N	P	S	T	LA	LC	DA	EA	GC	GB	GA	FA	KK
56M	2-4P	90	110	110	96	71	36	9	M4X12	20	3	7.2	56	φ7	189	65	50	80	M5	3	8	209	9	20	10.2	7.2	10.2	3	2-PG11
63M	2-4P	100	122	122	99	80	40	14	M5X12	30	5	11	63	φ7	225	75	60	90	M5	3	10	248	11	23	12.5	8.5	16	4	2-PG11
71M	2-6P	112	136	138	109	90	45	14	M5X12	30	5	11	71	φ7	250	85	70	105	M6	3.5	10	280	14	30	16	11	16	5	2-PG11
80M	2-6P	125	154	157	112	100	50	19	M6X16	40	6	15.5	80	φ10	278	100	80	120	M6	3.5	12	308	14	30	16	11	21.5	5	2-PG16
90S	2-6P	140	174	175	120	100	56	24	M8X19	50	8	20	90	φ10	320	115	95	140	M8	3.5	10	360	19	40	21.5	15.5	27	6	2-PG16
90L	2-6P	140	174	175	120	125	56	24	M8X19	50	8	20	90	φ10	335	115	95	140	M8	3.5	10	375	19	40	21.5	15.5	27	6	2-PG16
100L	2-6P	160	194	196	139	140	63	28	M10X22	60	8	24	100	φ12	377	130	110	160	M8	4	15	437	28	60	31	24	31	8	2-PG16
112M	2-6P	190	224	220	156	140	70	28	M10X22	60	8	24	112	φ12	395	130	110	160	M8	4	15	455	28	60	31	24	31	8	2-PG16
132S	2-6P	216	256	260	185	140	89	38	M12X28	80	10	33	132	φ12	472	165	130	200	M10	4	18.5	552	38	80	41	33	41	10	2-PG21
132M	2-6P	216	256	260	185	178	89	38	M12X28	80	10	33	132	φ12	510	165	130	200	M10	4	18.5	590	38	80	41	33	41	10	2-PG21

电动机外形图 Dimension Drawing



IMB3,B35,B5

Frame	Pole	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	L	M	N	P	S	T	LA	LC	DA	EA	GC	GB	GA	FA	KK
56M	2-4P	90	110	110	96	71	36	9	M4X12	20	3	7.2	56	φ7	189	100	80	120	φ7	3	9	209	9	20	10.2	7.2	10.2	3	2-PG11
63M	2-4P	100	122	122	99	80	40	14	M5X12	30	5	11	63	φ7	225	115	95	140	φ9	3	10	248	11	23	12.5	8.5	16	4	2-PG11
71M	2-6P	112	136	138	109	90	45	14	M5X12	30	5	11	71	φ7	250	130	110	160	φ9	3.5	10	280	14	30	16	11	16	5	2-PG11
80M	2-6P	125	154	157	112	100	50	19	M6X16	40	6	15.5	80	φ10	278	165	130	200	φ12	3.5	10	308	14	30	16	11	21.5	5	2-PG16
90S	2-6P	140	174	175	120	100	56	24	M8X19	50	8	20	90	φ10	320	165	130	200	φ12	3.5	10	360	19	40	21.5	15.5	27	6	2-PG16
90L	2-6P	140	174	175	120	125	56	24	M8X19	50	8	20	90	φ10	335	165	130	200	φ12	3.5	10	375	19	40	21.5	15.5	27	6	2-PG16
100L	2-6P	160	194	196	139	140	63	28	M10X22	60	8	24	100	φ12	377	215	180	250	φ15	4	15	437	28	60	31	24	31	8	2-PG16
112M	2-6P	190	224	220	156	140	70	28	M10X22	60	8	24	112	φ12	395	215	180	250	φ15	4	15	455	28	60	31	24	31	8	2-PG16
132S	2-6P	216	256	260	185	140	89	38	M12X28	80	10	33	132	φ12	472	265	230	300	φ15	4	18	552	38	80	41	33	41	10	2-PG21
132M	2-6P	216	256	260	185	178	89	38	M12X28	80	10	33	132	φ12	510	265	230	300	φ15	4	18	590	38	80	41	33	41	10	2-PG21

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