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Aluminum/Cast iron Low Voltage Motor Specification

铝壳/铸铁壳低压电机



ISO9001 ISO14001 OHSAS18001



Aluminum/Cast iron





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Able Electric Motor Group., Ltd. was established in 1993. It is a leading enterprise of the small and medium-sized motor and one of the top three aluminum housing motor manufacturers in China. It integrates R&D, production and sales together and own three manufacturing bases, Able Electric Motor (Ningde) Co., Ltd., Shanghai Hope Electric Motor & Control Co., Ltd., and Fu'an Able Electric Co., Ltd. The company has achieved ISO9001, ISO14001, and OHSAS 18001 management system certificates and CNAS laboratory accreditation certificate.

The company mainly produced single and three phase induction motor, three phase permanent magnet synchronous motor, brake motor, variable pole multi-speed motor, BLDC motor and tailor-made motor according to customer special requirements. The products have achieved CE, UKCA, UL, CSA, KC, CCC and China energy conservation certification, etc. Able can supply high efficiency motor of IE3, IE4 and IE5 according to new efficiency standard. Able motor products has features of energy saving, good performance, high reliability, and low noise, etc. The products have been used for centrifugal water supply pump, piping pump, metering pump, chemical pump, swimming pool circulation pump, vacuum pump, blower, gear reducer, air compressor, crane, mining machinery, engineering machinery, textile machinery, hydraulic equipment and automation equipment, etc. that widely used in industry, agriculture, commercial and residential fields.

Able motor has developed stable and reliable partnership with many customers including global top 500, multinational companies and leading enterprises of each field. Able motor products sell well in domestic market and more than 30 countries and regions in the world. All staffs of Able group sincerely welcome the friends all over the world come to negotiate cooperation.

安波电机集团创建于1993年，是中国中小电机龙头企业和三大铝壳电机生产厂家之一，集研发、生产、销售为一体，拥有安波电机（宁德）有限公司、上海汇波智能控制设备股份有限公司、福安市闽东安波电器有限公司三个生产基地。公司通过了ISO9001、ISO14001、OHSAS18001等管理体系认证和CNAS实验室资质认可。

公司的主要产品系列有单、三相交流异步电机、高效永磁同步电机、电磁制动电机、双速电机、无刷直流电机等，并根据客户要求定制化开发。公司产品拥有欧盟CE、英国UKCA、美国UL、加拿大CSA、韩国KC、中国CCC以及高效节能产品认证等，安波电机可按照新的电机能效标准提供IE3、IE4和IE5的高效节能产品，具有高效节能、性能优异、运行可靠、噪音低等特点，广泛应用于楼宇供水水泵、管道泵、计量泵、化工泵、泳池循环泵、真空泵、风机、减速机、空压机、起重机械、矿山机械、工程机械、纺织机械、液压设备、自动化设备等工业、农业、商业和民用领域。

公司通过优质的产品和服务已经成为许多世界500强、跨国公司和行业领先企业的长期合作伙伴，产品畅销全国并出口到世界三十多个国家和地区。安波电机全体员工竭诚欢迎各界新老朋友到安波参观洽谈协商合作。



▪ 宁德工厂 Ningde Factory



▪ 上海市工厂 Shanghai Factory



▪ 福建福安工厂 FuAn Factory



多年来在各级领导关心支持下，在国内外各界朋友支持爱护下，公司坚持“为顾客提供一流产品，为员工提供发展空间，共同创造社会繁荣”为宗旨，打造“负责使人更信任”的核心价值观，实施“以科技为先导、以品质求发展，为员工谋福利”的战略步骤而迅速发展。

只要相聚就会有收获，安波愿以自己的真诚和实力成为您的忠实朋友！

With the years of care and support of leaders at all levels and friends from all walks of life at home and abroad, ABLE develops rapidly by adhering to the aim of "provide customers with first-class products, provide development space for employees, and create social prosperity jointly", building core value of "responsibility creates trust", and implementing the strategic steps of "science and technology as the guide, develop with quality, and seek benefits for employees".



宁静致远，安波电机
 核心价值观：负责、分享、创新、包容
 我们的使命：让电机科技驱动社会进步
 我们的愿景：使安波成为电机应用行业细分市场的领导者

Be quiet, Be permanent
 Core Value: Responsible, Sharing, Innovative, Tolerant
 Mission: ABLE motor motivates the social improvement
 Vision: To be a leader in niche market of motor application



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 ABLE MOTOR
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ISO9001、ISO14001、OHSAS18001三体系证书
 ISO9001、ISO14001、OHSAS18001 Management System Certificates

CNAS实验室资质认可
 CNAS Laboratory Accreditation Certificates



产品认证 Product Certificates



UKCA CE-IE3(EMC) CCC YE3(中文) CCC YE3(英文)



KC BV CE UL



IE4节能证书
 IE4 Energy Conservation Certificates

IE4中国能效标识
 IE4 China Energy Label

产品主要应用领域
 Main Applications of Motor



楼宇供水
 Building water supply



减速机
 Gear reducer



起重机械
 Crane



畜牧风机
 Animal husbandry circulation fan



喷涂机
 Spraying equipment



液压设备
 Hydraulic equipment



真空泵
 Vacuum pump



地坪研磨
 Floor grinding equipment



纺织机械
 Textile machinery



空压机
 Air compressor



石材机械
 Stone machinery



风力发电
 Wind power generation

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ML series aluminum housing single phase dual-value capacitor induction motor

MSEJ-AC系列（铝壳）三相交流电磁制动电机
MSEJ-AC series aluminum housing three phase AC electromagnetic brake motor

MSEJ-DC系列（铝壳）三相直流电磁制动电机
MSEJ-DC series aluminum housing three phase DC electromagnetic brake motor

MS/MSHE铝壳系列三相异步电动机 MS/MSHE SERIES ALUMINUM HOUSING THREE PHASE INDUCTION MOTOR



产品简介

铝壳系列电动机，符合IEC标准，广泛应用于众多对质量及可靠性要求极高的领域，如：商业、工业、建筑业、给水和农业灌溉等。

产品特点

- IP54(IP55)
- 活动底脚
- 铝壳机座、端盖、底脚
- 高强度的密封圈
- 可供轴键和保护器
- 外形美观
- 适应于高负载工作
- 可供不锈钢轴
- S1连续工作制
- F级绝缘
- 高性能、高效率

产品优势

- 防水、防尘、防害
- 低噪音
- 节能
- 安装便捷
- 防腐
- 可靠
- 使用寿命长
- 适用于乡村、城市、工厂

PRODUCT INTRODUCTION

Conform to IEC standard.
Widely applied in industries which have high requirement on quality and reliability, such as commerce, manufacturing, construction, water supply and agricultural irrigation industries.

PRODUCT FEATURES

- IP54/IP55
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Grade F insulation
- High performance and efficiency

PRODUCT ADVANTAGE

- Water, dust and vermin resistant
- Quiet operation
- Energy saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments

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MSE3系列铝壳三相异步电动机

MSE3 SERIES ALUMINUM HOUSING THREE PHASE INDUCTION MOTOR

IE3-50HZ

ABLE[®]
ABLE MOTOR
www.ablecn.com



产品简介

该系列电动机设计符合IEC国际标准，广泛应用于众多对质量及可靠性要求极高的领域，如：工业、商业、建筑业、楼宇给水和农业灌溉等。

产品特点

- 功率范围：0.12-18.5kW
- 机座号：56-160
- 额定电压：可根据客户需求
- 额定频率：50/60Hz
- 能效等级：IE3（国标能效三级）
- 绝缘等级：F
- 防护等级：IP55
- 冷却方式：IC411
- 工作制：S1
- 安装方式：B3、B35、B5
- 可拆卸底脚
- 铝壳机座、端盖、底脚
- 高强度密封圈
- 可供轴键及保护器
- 可供不锈钢轴

产品优势

- 低噪音
- 节能
- 安装便捷
- 防腐
- 性能可靠
- 使用寿命长
- 适用于工厂、城市、乡村

PRODUCT INTRODUCTION

This series of motor design conforms to IEC standard. It is widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

PRODUCT FEATURES

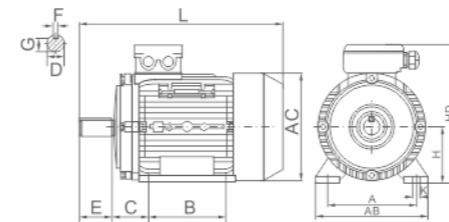
- Output: 0.12-18.5kW
- Frame size: 56-160
- Rated voltage: according to customer's requirements
- Rated frequency: 50/60Hz
- Efficiency: IE3 (GB-grade 3)
- Insulation class: F
- Protection grade: IP55
- Cooling method: IC411
- Duty type: S1
- Installation method: B3, B35, B5
- Removable foot
- Aluminum frame, end shields and base
- High strength sealing
- Shaft key and protector supplied
- Stainless steel shaft is optional

PRODUCT ADVANTAGE

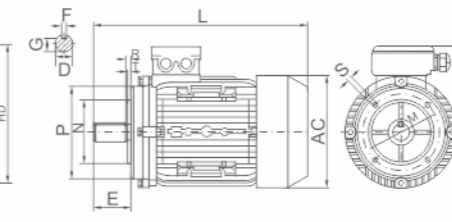
- Low noise
- Energy saving
- Easy installation
- Anti-corrosion
- Reliable performance
- Long service life
- Suitable for industry, urban and rural areas

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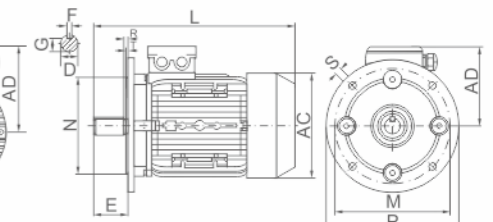
IMB3



IMB14



IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																			外形尺寸 Overall Dimensions(mm)						
	IMB3									IMB14					IMB5					AB	AC	AD	HD	L		
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R						S	T
56	90	71	36	9	20	3	7.2	56	5.8	65	50	80	0	M5	2.5	100	80	120	0	7	3	110	110	100	156	195
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	122	120	103	166	218
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	138	139	115	186	250
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	295
90S	140	100/125	56	24	50	8	20	90	10	115	95	136	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	337
90L	140	125	56	24	50	8	20	90	10	115	95	136	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	363
100L	160	140	63	28	60	8	24	100	12	130	110	164	0	M8	3.5	215	180	250	0	14.5	4	205	198	147	247	401
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	222	228	169	281	405
112M-4	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	222	228	169	281	430
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	257	268	188	320	467
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	257	268	188	320	505
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	300	0	18.5	5	302	314	246	406	617
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	300	0	18.5	5	302	314	246	406	661

MSE4铝壳三相异步电动机

MSE4 SERIES OF THREE PHASE (ALUMINUM HOUSING) ASYNCHRONOUS MOTOR

IE4-50HZ



产品简介

该系列电动机设计符合IEC国际标准，可广泛应用于众多对质量及可靠性要求极高的领域，如：工业、商业、建筑业、楼宇给水和农业灌溉等。

产品特点

- 功率范围：0.75-18.5kW
- 机座号：80-160
- 能效等级：IE4（国标能效二级）
- 电压与频率：支持多种电压与频率
- 冷却方式：IC411，可选配IC416等；
- 轴承配置：免维护轴承
- 防护等级：IP55标配，可选配IP56等；
- 绝缘等级：F
- 环境温度：-15~40℃
- 海拔高度：不超过1000m

产品优势

- 结构紧凑
- 外形美观
- 低噪音
- 起动转矩大
- 高效节能
- 安装便捷，维护方便
- 可靠耐用

PRODUCT INTRODUCTION

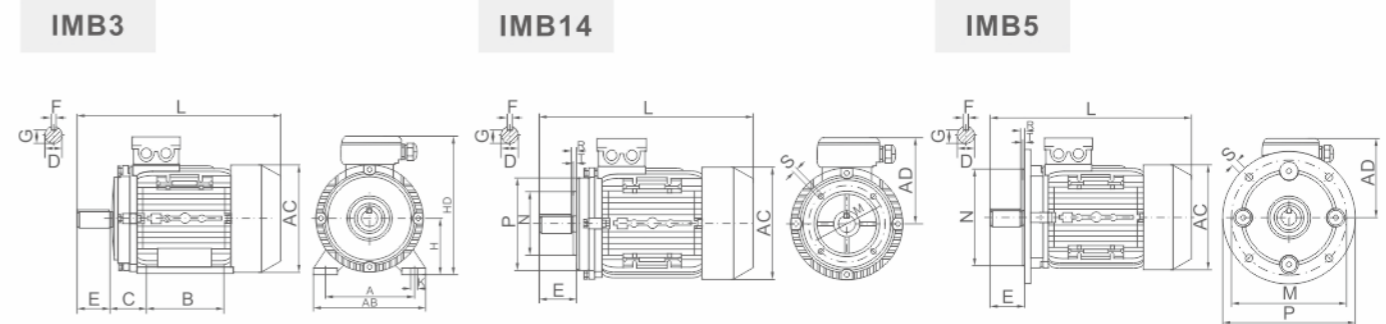
The motor design conforms to IEC standard. It could be widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

PRODUCT FEATURES

- Output: 0.75-18.5kW
- Frame size: 80-160
- Efficiency: IE4(GB-grade 2)
- Voltage & frequency: multi-voltage & frequency available
- Cooling method: IC411 (standard), IC416 (optional);
- Bearing: Maintenance-free bearing
- Protection grade: IP55 (standard.), IP56 (optional);
- Insulation class: F
- Ambient temperature: -15~40℃
- Altitude: not exceeding 1000m

PRODUCT ADVANTAGE

- Compact structure design
- Attractive appearance
- Low noise
- High starting torque
- High efficiency and energy saving
- Easy installation and maintenance
- Reliable and durable



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																			外形尺寸 Overall Dimensions(mm)						
	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
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	295
80M2-4	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	307
90S	140	100/125	56	24	50	8	20	90	10	115	95	136	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	337
90L-2	140	125	56	24	50	8	20	90	10	115	95	136	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	363
90L-4/6	140	125	56	24	50	8	20	90	10	115	95	136	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	373
100L	160	140	63	28	60	8	24	100	12	130	110	164	0	M8	3.5	215	180	250	0	14.5	4	205	198	147	247	401
100L2-4	160	140	63	28	60	8	24	100	12	130	110	164	0	M8	3.5	215	180	250	0	14.5	4	205	198	147	247	427
112M-2	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	222	228	169	281	430
112M-4/6/8	190	140/178	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	222	235	177	289	456
132S-2	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	257	268	188	320	467
132S-4/6/8	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	270	293	207	339	495
132M-2	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	257	268	188	320	505
132M-4/6/8	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	270	293	207	339	533
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	300	0	18.5	5	302	314	246	406	617
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	300	0	18.5	5	302	314	246	406	661

技术参数 TECHNICAL DATA

IE4

型号 Model	额定功率 Rated Power		额定电流 Rated Current (A)								
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V
MSE4-801-2	0.75	1	2.84	1.64	0.95	2.72	1.56	0.91	2.60	1.51	0.87
MSE4-802-2	1.1	1.5	4.08	2.36	1.36	3.90	2.25	1.30	3.74	2.16	1.25
MSE4-90S-2	1.5	2	5.35	3.10	1.78	5.12	2.94	1.71	4.91	2.84	1.64
MSE4-90L-2	2.2	3	7.63	4.42	2.54	7.30	4.20	2.43	6.99	4.04	2.33
MSE4-100L-2	3	4	10.2	5.88	3.39	9.71	5.59	3.24	9.31	5.38	3.10
MSE4-112M-2	4	5.5	13.3	7.67	4.42	12.7	7.29	4.23	12.1	7.03	4.05
MSE4-132S1-2	5.5	7.5	18.0	10.4	6.01	17.3	9.92	5.75	16.5	9.57	5.51
MSE4-132S2-2	7.5	10	24.1	14.0	8.04	23.1	13.3	7.69	22.1	12.8	7.37
MSE4-160M1-2	11	15	35.0	20.3	11.7	33.5	19.3	11.2	32.1	18.6	10.7
MSE4-160M2-2	15	20	47.4	27.4	15.8	45.3	26.1	15.1	43.5	25.1	14.5
MSE4-160L-2	18.5	25	58.2	33.7	19.4	55.7	32.0	18.6	53.4	30.9	17.8
MSE4-802-4	0.75	1	3.10	1.80	1.03	2.97	1.71	0.99	2.84	1.65	0.95
MSE4-90S-4	1.1	1.5	4.41	2.56	1.47	4.22	2.43	1.41	4.05	2.34	1.35
MSE4-90L-4	1.5	2	5.87	3.40	1.96	5.62	3.23	1.87	5.38	3.11	1.79
MSE4-100L1-4	2.2	3	8.17	4.73	2.72	7.81	4.49	2.60	7.49	4.33	2.50
MSE4-100L2-4	3	4	10.9	6.30	3.63	10.4	5.99	3.47	10.0	5.77	3.33
MSE4-112M-4	4	5.5	14.4	8.34	4.80	13.8	7.92	4.59	13.2	7.64	4.40
MSE4-132S-4	5.5	7.5	19.6	11.4	6.54	18.8	10.8	6.26	18.0	10.4	6.00
MSE4-132M-4	7.5	10	26.2	15.2	8.75	25.1	14.4	8.37	24.1	13.9	8.02
MSE4-160M-4	11	15	37.3	21.6	12.4	35.7	20.5	11.9	34.2	19.8	11.4
MSE4-160L-4	15	20	49.9	28.9	16.6	47.7	27.4	15.9	45.7	26.5	15.2
MSE4-90S-6	0.75	1	3.40	1.97	1.13	3.25	1.87	1.08	3.12	1.80	1.04
MSE4-90L-6	1.1	1.5	4.88	2.83	1.63	4.67	2.68	1.56	4.47	2.59	1.49
MSE4-100L-6	1.5	2	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97
MSE4-112M-6	2.2	3	9.30	5.39	3.10	8.90	5.12	2.97	8.53	4.93	2.84
MSE4-132S-6	3	4	12.5	7.25	4.17	12.0	6.88	3.99	11.5	6.63	3.82
MSE4-132M1-6	4	5.5	16.3	9.43	5.43	15.6	8.96	5.19	14.9	8.64	4.98
MSE4-132M2-6	5.5	7.5	22.2	12.8	7.38	21.2	12.2	7.06	20.3	11.7	6.77
MSE4-160M-6	7.5	10	28.4	16.4	9.46	27.1	15.6	9.04	26.0	15.0	8.67
MSE4-160L-6	11	15	40.6	23.5	13.5	38.9	22.3	13.0	37.2	21.5	12.4
MSE4-100L1-8	0.75	1	3.80	2.20	1.27	3.64	2.09	1.21	3.49	2.02	1.16
MSE4-100L2-8	1.1	1.5	5.33	3.09	1.78	5.10	2.93	1.70	4.89	2.83	1.63
MSE4-112M-8	1.5	2	6.91	4.00	2.30	6.61	3.80	2.20	6.33	3.66	2.11
MSE4-132S-8	2.2	3	9.76	5.65	3.25	9.34	5.37	3.11	8.95	5.17	2.98
MSE4-132M-8	3	4	13.1	7.58	4.36	12.5	7.20	4.17	12.0	6.94	4.00
MSE4-160M1-8	4	5.5	17.0	9.83	5.66	16.2	9.34	5.41	15.6	9.00	5.19
MSE4-160M2-8	5.5	7.5	22.7	13.1	7.57	21.7	12.5	7.24	20.8	12.0	6.94
MSE4-160L-8	7.5	10	29.8	17.2	9.93	28.5	16.4	9.50	27.3	15.8	9.10

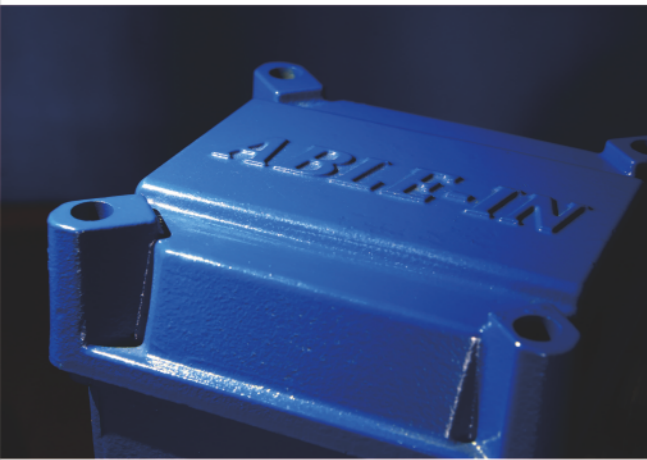
技术参数 TECHNICAL DATA

IE4

型号 Model	额定 转速 Speed	效率 Efficiency	功率 因数 PF	额定 转矩 Tn	堵转转矩 额定转矩 Tst/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Ist/In	净重 N.G
	rpm	η(%)	cosφ	N.m				kg
MSE4-801-2	2900	83.5	0.83	2.47	2.6	3.0	8.5	10.6
MSE4-802-2	2900	85.2	0.83	3.62	2.6	3.2	8.5	12
MSE4-90S-2	2910	86.5	0.85	4.92	2.6	3.2	9.5	17
MSE4-90L-2	2910	88.0	0.86	7.22	2.6	3.2	9.5	21
MSE4-100L-2	2910	89.1	0.87	9.85	2.7	3.3	9.5	28
MSE4-112M-2	2920	90.0	0.88	13.1	2.6	3.3	9.5	40
MSE4-132S1-2	2920	90.9	0.88	18.0	2.5	3.3	9.5	52
MSE4-132S2-2	2925	91.7	0.89	24.5	2.5	3.3	9.5	64
MSE4-160M1-2	2950	92.6	0.89	35.6	2.7	3.3	9.5	109
MSE4-160M2-2	2950	93.3	0.89	48.6	2.6	3.3	9.5	119
MSE4-160L-2	2950	93.7	0.89	59.9	2.7	3.3	9.5	130
MSE4-802-4	1445	85.7	0.74	4.96	2.8	3.2	8.0	15
MSE4-90S-4	1445	87.2	0.75	7.27	2.6	3.2	8.5	17
MSE4-90L-4	1450	88.2	0.76	9.88	2.6	3.2	9.0	21
MSE4-100L1-4	1455	89.5	0.79	14.4	2.7	3.3	9.0	31
MSE4-100L2-4	1455	90.4	0.80	19.7	2.7	3.3	9.0	35
MSE4-112M-4	1455	91.1	0.80	26.3	2.7	3.3	9.5	49
MSE4-132S-4	1460	91.9	0.80	36.0	2.7	3.6	9.5	75
MSE4-132M-4	1460	92.6	0.81	49.1	2.8	3.6	9.5	85
MSE4-160M-4	1475	93.3	0.83	71.2	2.8	3.3	9.5	124
MSE4-160L-4	1480	93.9	0.84	96.8	2.8	3.3	9.5	131
MSE4-90S-6	955	82.7	0.70	7.50	2.1	2.4	6.0	17
MSE4-90L-6	955	84.5	0.70	11.0	2.1	2.4	6.5	23
MSE4-100L-6	960	85.9	0.71	14.9	2.2	2.6	6.5	31
MSE4-112M-6	965	87.4	0.71	21.8	2.2	2.6	7.5	48
MSE4-132S-6	968	88.6	0.71	29.6	2.5	3.0	7.8	62
MSE4-132M1-6	968	89.5	0.72	39.5	2.3	2.6	8.0	66
MSE4-132M2-6	968	90.5	0.72	54.3	2.3	2.6	9.0	83
MSE4-160M-6	975	91.3	0.76	73.5	2.4	3.0	8.0	138
MSE4-160L-6	980	92.3	0.77	107	2.2	2.5	8.5	155
MSE4-100L1-8	710	78.4	0.66	10.1	2.0	2.0	7.0	31.1
MSE4-100L2-8	710	80.8	0.67	14.8	2.0	2.0	7.0	35.0
MSE4-112M-8	710	82.6	0.69	20.2	2.0	2.0	7.0	48.0
MSE4-132S-8	720	84.5	0.70	29.2	1.8	2.0	7.5	59.0
MSE4-132M-8	720	85.9	0.70	39.8	1.8	2.0	7.8	65.0
MSE4-160M1-8	720	87.1	0.71	53.1	1.8	2.0	7.9	119.0
MSE4-160M2-8	720	88.3	0.72	73.0	1.8	2.0	8.1	138.0
MSE4-160L-8	720	89.3	0.74	99.5	1.8	2.0	7.8	154.6

MC系列铝壳单相电容启动异步电动机

MC SERIES ALUMINUM HOUSING SINGLE PHASE CAPACITOR START INDUCTION MOTOR



产品简介

适用于：小型机床、医疗器械、家用电器、食品加工等机械的动力装置。
铝壳系列电动机，符合IEC标准，启动转矩是额定转矩的0.3~0.7倍。

产品特点

- IP54(IP55)
- 活动底脚
- 铝壳机座、端盖、底脚
- 高强度的密封圈
- 可供轴键和保护器
- 外形美观
- 适应于高负载工作
- 可供不锈钢轴
- S1连续工作制
- F级绝缘
- 高性能、高效率

产品优势

- 防水、防尘、防害
- 低噪音
- 节能
- 安装便捷
- 防腐
- 可靠
- 使用寿命长
- 适用于乡村、城市、工厂

PRODUCT INTRODUCTION

- Conform to the IEC standard
- Be made of selected quality materials, latest design in entirety.
- Applied in power devices of many machineries, such as small lathe, medical apparatus, household electric appliances, food processing and so on.
- Starting torque is 30%~70% of rated torque.

PRODUCT FEATURES

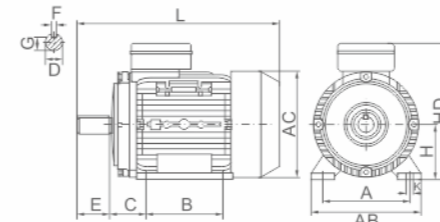
- IP54/IP55
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Grade F insulation
- High performance and efficiency

PRODUCT ADVANTAGE

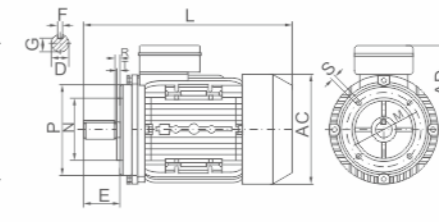
- Water, dust and vermin resistant
- Quiet operation
- Energy saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments

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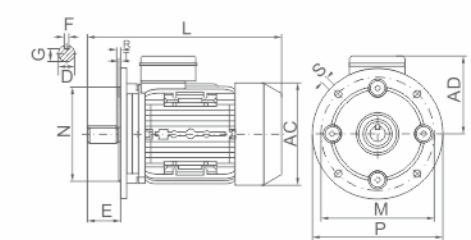
IMB3



IMB14



IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																外形尺寸 Overall Dimensions(mm)									
	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
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	245	240	180	310	400

技术参数 TECHNICAL DATA

型号 Model	额定功率 Rated Power	电压 Voltage	电流 Rated Current	额定 转速 Speed	效率 Eff.	功率 因数 PF.	堵转转矩 额定转矩 Tst/In	最大转矩 额定转矩 Tmax/In	起动电流 Starting Current	重量 N.G
	KW	V	A	rpm	η(%)	cosφ			A	kg
MC711-2	0.18	220	1.89	2800	60.0	0.72	3.0	1.8	12.0	6.5
MC712-2	0.25	220	2.40	2800	64.0	0.74	3.0	1.8	15.0	6.8
MC801-2	0.37	220	3.36	2800	65.0	0.77	2.8	1.8	21.0	8.3
MC802-2	0.55	220	4.65	2800	68.0	0.79	2.8	1.8	29.0	9.0
MC90S-2	0.75	220	6.09	2800	70.0	0.80	2.5	1.8	37.0	12.5
MC90L-2	1.10	220	8.68	2800	72.0	0.80	2.5	1.8	60.0	14.0
MC100L1-2	1.50	220	11.3	2900	74.0	0.81	2.5	1.8	80.0	22.5
MC711-4	0.12	220	1.88	1400	50.0	0.58	3.0	1.8	9.00	6.5
MC712-4	0.18	220	2.49	1400	53.0	0.62	2.8	1.8	12.0	6.7
MC801-4	0.25	220	3.11	1400	58.0	0.63	2.8	1.8	15.0	8.9
MC802-4	0.37	220	4.24	1400	62.0	0.64	2.8	1.8	21.0	9.6
MC90S-4	0.55	220	5.49	1400	66.0	0.69	2.5	1.8	29.0	12.5
MC90L-4	0.75	220	6.87	1400	68.0	0.73	2.5	1.8	37.0	15.0
MC100L1-4	1.10	220	9.52	1450	71.0	0.74	2.5	1.8	60.0	23.0
MC100L2-4	1.50	220	12.4	1450	73.0	0.75	2.5	1.8	80.0	27.0
MC112M-4	2.20	220	17.7	1450	74.0	0.76	2.2	1.8	120	35.0

MY铝壳系列单相电容运转异步电动机

MY SERIES ALUMINUM HOUSING SINGLE PHASE CAPACITOR RUNNING INDUCTION MOTOR



产品简介

适用于：小型机床、医疗器械、家用电器、食品加工等机械的动力装置。
铝壳系列电动机，符合IEC标准，启动转矩是额定转矩的0.3~0.7倍。

产品特点

- IP54(IP55)
- 活动底脚
- 铝壳机座、端盖、底脚
- 高强度的密封圈
- 可供轴键和保护器
- 外形美观
- 适应于高负载工作
- 可供不锈钢轴
- S1连续工作制
- F级绝缘
- 高性能、高效率

产品优势

- 防水、防尘、防害
- 低噪音
- 节能
- 安装便捷
- 防腐
- 可靠
- 使用寿命长
- 适用于乡村、城市、工厂

PRODUCT INTRODUCTION

- Conform to the IEC standard
- Be made of selected quality materials, latest design in entirety.
- Applied in power devices of many machineries, such as small lathe, medical apparatus, household electric appliances, food processing and so on.
- Starting torque is 30%~70% of rated torque.

PRODUCT FEATURES

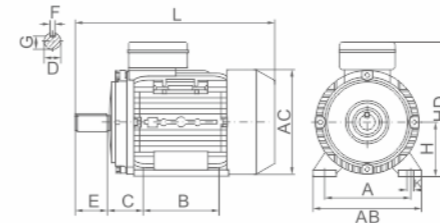
- IP54/IP55
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Grade F insulation
- High performance and efficiency

PRODUCT ADVANTAGE

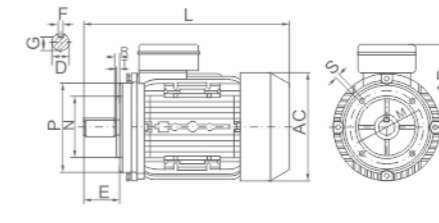
- Water, dust and vermin resistant
- Quiet operation
- Energy saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments

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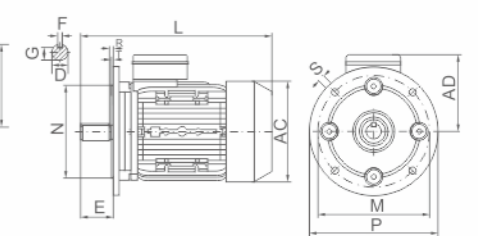
IMB3



IMB14



IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																				外形尺寸 Overall Dimensions(mm)					
	IMB14										IMB5															
	A	B	C	D	E	F	G	H	K	L	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	130	130	120	185	230
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	130	205	250
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	165	145	225	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	150	240	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	150	240	360

技术参数 TECHNICAL DATA

型号 Model	额定功率 Rated Power	电压 Voltage	电流 Rated Current	额定 转速 Speed	效率 Eff.	功率 因数 P.F.	堵转转矩 额定转矩 Tst/Tn	最大转矩 额定转矩 Tmax/Tn	起动电流 Starting Current	重量 N.G
	KW	V	A	rpm	η(%)	cosφ			A	kg
MY631-2	0.18	220	1.48	2800	60	0.92	0.4	1.7	5.00	3.9
MY632-2	0.25	220	1.96	2800	63	0.92	0.4	1.7	7.00	4.4
MY711-2	0.37	220	2.73	2800	67	0.92	0.4	1.7	10.0	6.2
MY712-2	0.55	220	3.88	2800	70	0.92	0.4	1.7	15.0	6.5
MY801-2	0.75	220	5.15	2800	72	0.92	0.3	1.7	20.0	8.3
MY802-2	1.10	220	7.02	2800	75	0.95	0.3	1.7	30.0	9.0
MY90S-2	1.50	220	9.44	2800	76	0.95	0.3	1.7	45.0	13.0
MY90L-2	2.20	220	13.6	2800	77	0.95	0.3	1.7	65.0	15.0
MY631-4	0.12	220	1.10	1400	55	0.90	0.4	1.7	3.50	4.0
MY632-4	0.18	220	1.62	1400	56	0.90	0.4	1.7	5.00	4.5
MY711-4	0.25	220	2.02	1400	61	0.92	0.4	1.7	7.00	6.1
MY712-4	0.37	220	2.95	1400	62	0.92	0.4	1.7	10.0	7.0
MY801-4	0.55	220	4.25	1400	64	0.92	0.4	1.7	15.0	9.5
MY802-4	0.75	220	5.45	1400	68	0.92	0.3	1.7	20.0	10.0
MY90S-4	1.10	220	7.45	1400	71	0.95	0.3	1.7	30.0	13.0
MY90L-4	1.50	220	9.83	1400	73	0.95	0.3	1.7	45.0	16.0

ML铝壳系列单相双值电容异步电动机

ML SERIES ALUMINUM HOUSING SINGLE PHASE DUAL-VALUE CAPACITOR INDUCTION MOTOR



产品简介

铝壳系列电动机，符合IEC标准，启动转矩是额定转矩的1.8~2.5倍。

产品特点

- IP54(IP55)
- 活动底脚
- 铝壳机座、端盖、底脚
- 高强度的密封圈
- 可供轴键和保护器
- 外形美观
- 适应于高负载工作
- 可供不锈钢轴
- S1连续工作制
- F级绝缘
- 高性能、高效率

产品优势

- 防水、防尘、防害
- 低噪音
- 节能
- 安装便捷
- 防腐
- 可靠
- 使用寿命长
- 适用于乡村、城市、工厂



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PRODUCT INTRODUCTION

- Conform to the IEC standard
- Be made of selected quality materials, latest design in entirety.
- Good performance, low noise, little vibration, and safety and reliable operation
- Nice appearance, light weight
- Be maintained very conveniently, simple construction
- Starting torque is 1.8~2.5 times of rated torque.

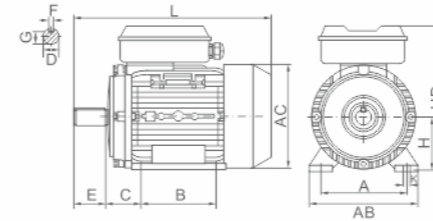
PRODUCT FEATURES

- IP54/IP55
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Grade F insulation
- High performance and efficiency

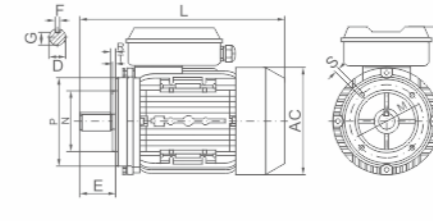
PRODUCT ADVANTAGE

- Water, dust and vermin resistant
- Quiet operation
- Electricity saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments

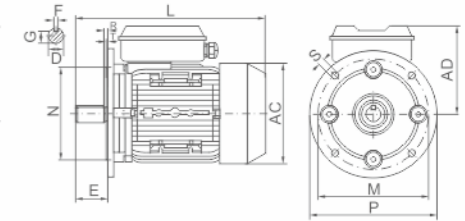
IMB3



IMB14



IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

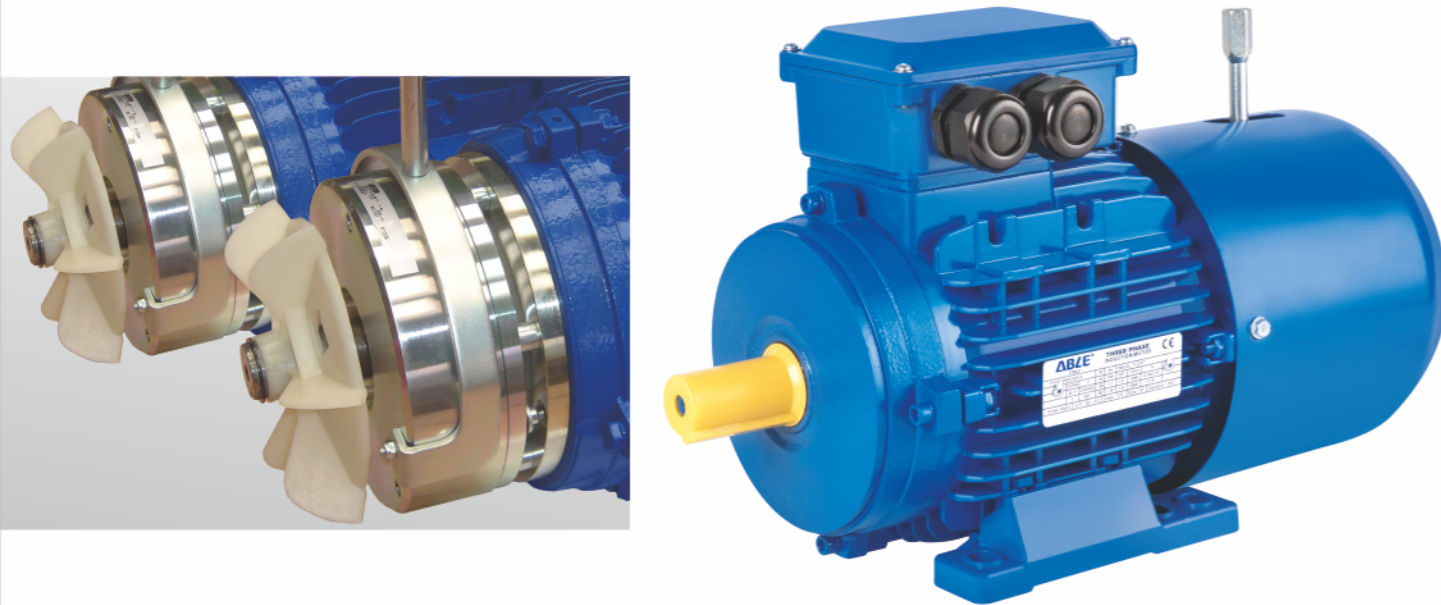
机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																外形尺寸 Overall Dimensions(mm)									
	IMB14																IMB5									
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	130	130	120	188	235
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	135	206	250
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	165	145	225	305
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	155	245	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	155	245	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	215	170	270	405

技术参数 TECHNICAL DATA

型号 Model	额定功率 Rated Power	电压 Voltage	电流 Rated Current	额定 转速 Speed	效率 Eff.	功率 因数 PF.	堵转转矩 额定转矩 Tst/Tn	最大转矩 额定转矩 Tmax/Tn	起动电流 Starting Current	重量 N.G
	kW	V	A	rpm	η(%)	cosφ			A	kg
ML6312	0.18	220	1.55	2800	63.0	0.92	2.0	1.8	5.00	5.0
ML6322	0.25	220	1.80	2800	65.0	0.92	2.0	1.8	6.00	5.5
ML7112	0.37	220	2.73	2800	67.0	0.92	2.3	1.8	16.0	7.0
ML7122	0.55	220	3.88	2800	70.0	0.92	2.5	1.8	21.0	8.0
ML8012	0.75	220	5.15	2800	72.0	0.92	2.5	1.8	30.0	8.5
ML8022	1.10	220	7.02	2800	75.0	0.95	2.5	1.8	40.0	9.5
ML90S-2	1.50	220	9.44	2800	76.0	0.95	2.5	1.8	55.0	12.5
ML90L-2	2.20	220	13.6	2800	77.0	0.95	2.5	1.8	80.0	14.0
ML100L-2	3.00	220	18.2	2800	79.0	0.95	2.5	1.8	110	20.5
ML6314	0.12	220	1.25	1400	53.0	0.92	2.0	1.7	3.0	5.0
ML6324	0.18	220	1.65	1400	54.0	0.92	2.0	1.7	5.0	5.5
ML7114	0.25	220	1.99	1400	62.0	0.92	2.5	1.8	12.0	6.9
ML7124	0.37	220	2.81	1400	65.0	0.92	2.5	1.8	16.0	8.1
ML8014	0.55	220	4.00	1400	68.0	0.92	2.5	1.8	21.0	8.9
ML8024	0.75	220	5.22	1400	71.0	0.92	2.5	1.8	30.0	9.6
ML90S-4	1.10	220	7.20	1400	73.0	0.95	2.5	1.8	40.0	13.0
ML90L-4	1.50	220	9.57	1400	75.0	0.95	2.5	1.8	55.0	16.0
ML100L1-4	2.20	220	13.9	1400	76.0	0.95	2.5	1.8	80.0	23.0
ML100L2-4	3.00	221	18.6	1400	77.0	0.95	2.5	1.8	110	27.0

MSEJ-AC系列铝壳三相交流电磁制动异步电动机

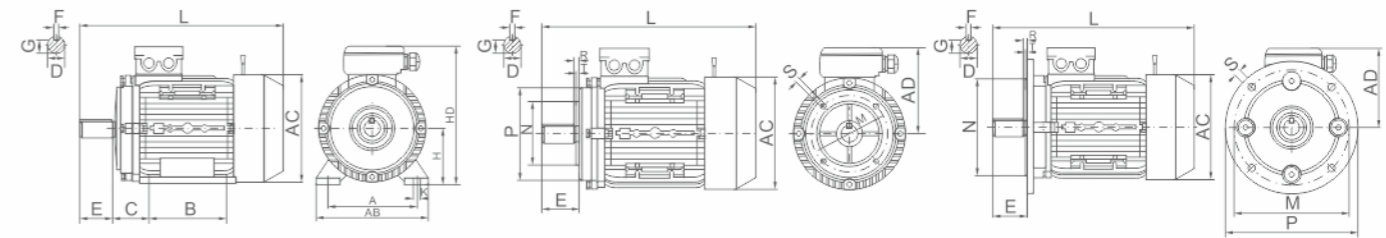
MSEJ-AC SERIES ALUMINUM HOUSING THREE PHASE AC ELECTROMAGNETIC BRAKE MOTOR



IMB3

IMB14

IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																				外形尺寸 Overall Dimensions(mm)						
	IMB3										IMB14					IMB5					Overall Dimensions(mm)						
	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	L1	L2
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	127	198	320	330
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	175	145	220	368	384
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	205	170	265	416	430
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	205	170	265	430	450
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	205	215	180	270	487	-
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	245	255	200	310	501	526
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	280	310	230	365	575	-
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	280	310	230	365	613	-
160M	254	210	108	42	110	12	37	160	14.5	215	180	250	0	M12	4	300	250	350	0	18.5	5	320	314	264	424	705	-
160L	254	254	108	42	110	12	37	160	14.5	215	180	250	0	M12	4	300	250	350	0	18.5	5	320	314	264	424	750	-
180M	279	241	121	48	110	14	42.5	180	14.5	\	\	\	\	\	\	300	250	350	0	18.5	5	355	390	285	465	800	-
180L	279	279	121	48	110	14	42.5	180	14.5	\	\	\	\	\	\	300	250	350	0	18.5	5	355	390	285	465	837	-

备注：L1使用的是常规AC制动器，L2使用双盘AC制动器

产品简介

MSEJ-AC系列三相制动异步电动机，是全封闭、自扇冷、鼠笼型，附加交流电磁制动器的三相异步电动机。

产品应用

适用于要求往复运转、频繁启动、快速停止、准确定位的各种机械，作为主传动和辅助传动之用，如：电动阀门、橡胶化工机械、木工机械、印刷机械、建筑机械、食品、仓库机械和冶金、锻压机械等。

产品特点

- 启动转矩高、制动力矩大，
- 适用于频繁启动、制动
- 制动迅速、定位准确、安全可靠
- 振动小、噪音低
- 制动器可人工释放、便于手动盘车
- 安装尺寸符合IEC标准

使用条件

- 电源：三相，380V 50Hz
- 工作方式：S1连续工作制
- 防护等级：IP55
- 冷却方式：IC411
- 绝缘等级：F级

INTRODUCTION

MSEJ-AC series motor is a totally enclosed, self-fan cooled, and squirrel cage type three-phase asynchronous motor with additional AC electromagnetic brake.

APPLICATION

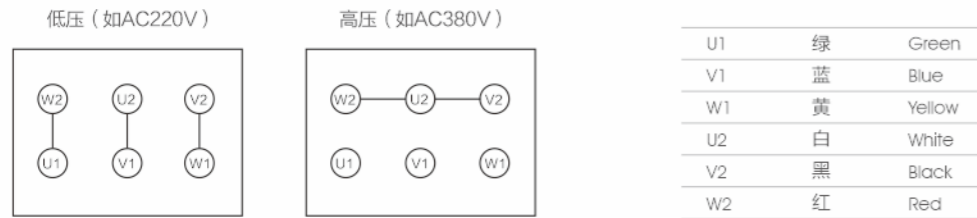
Suitable for a kind of machine be required to stop quickly, be located accurately, rotated and braked frequently. such as electric valve, rubber chemical machinery, wood working machinery, printing machinery, construction machinery, food machinery, warehouse machinery, metallurgy, forging machinery and so on.

FEATURE

- High starting and braking force
- Frequently starting and quick braking
- Reliable, accurate and safe
- Low vibration and low noise
- The brake can be released by hand for easy maintenance.
- Mounting dimensions meet IEC standards.

WORKING CONDITIONS

- Power supply: Three-phase, 380V, 50Hz
- Duty type: S1
- Protection class: IP55
- Cooling method: IC411
- Insulation class: F



交流制动器接线 AC brake connection

该交流电磁制动器采取交流断电制动方式，所需电源直接取自电机接线端，不需要整流装置，快速制动。

当制动器通电时，电磁铁心将衔铁吸合，制动盘被释放，亦即制动器被打开，让电机运转；

当制动器断电时，依靠弹簧力量作用于制动盘上，使处于衔铁与电机端盖之间的制动盘被夹紧，靠摩擦力矩使电机停止转动。

The AC electromagnetic brake adopts AC power off braking mode. The power supply is directly from the motor wiring connection. It could realize quick braking without rectifying device.

When the brake is energized, the electromagnet core draws the armature, the brake disc is released. At this time, the brake is opened, so that the motor runs.

When the brake is powered off, the brake disc is clamped between the armature and the motor end cover by the spring force, and the motor stops running by the friction torque.

制动器技术参数 BRAKE TECHNICAL PARAMETER

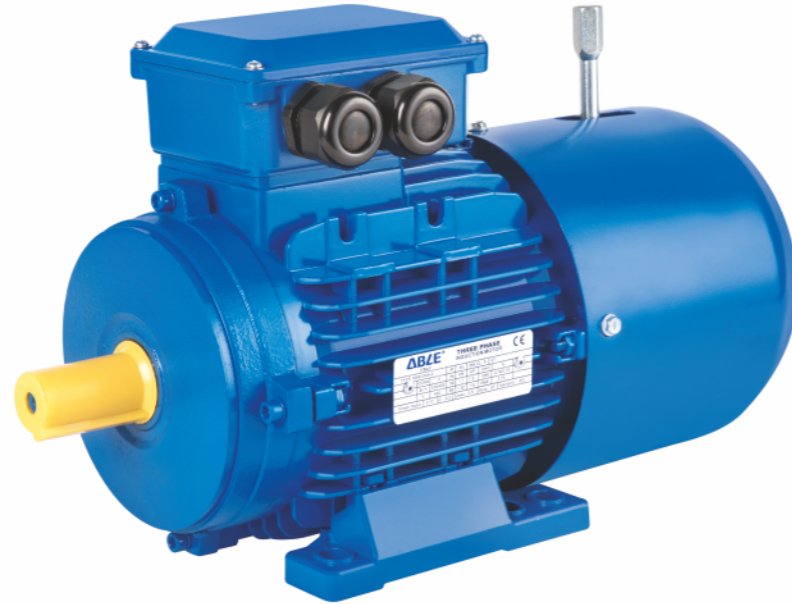
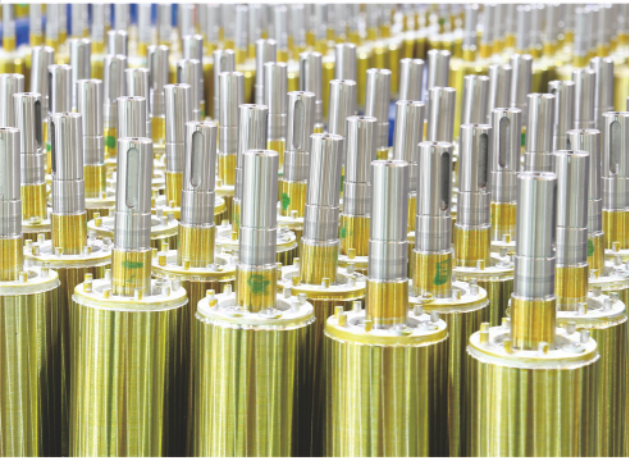
机座号 Frame size	71	80	90	100-112	132	160	180
额定转矩 Rated torque (Nm)	5	8	15	40	80	130	234
额定电压 Rated voltage (V, AC)	380	380	380	380	380	380	380
工作间隙 working clearance (mm)	0.25	0.2	0.2	0.25	0.3	0.35	0.35
扳手释放间隙 wrench release clearance (mm)	0.6	0.6	0.6	0.6	1	1	1
最大间隙 Maximum clearance (mm)	0.85	0.8	0.8	0.85	1	1.2	1.2

技术参数 TECHNICAL DATA

型号 Model	额定功率 Rated Power	额定电流 Rated Current(A) (50HZ)			额定 转速 Speed	效率 Eff. %	功率 因素 PF. cosφ	制动 转矩 Tn N.m	启动电流 额定电流 Ist/In	堵转转矩 额定转矩 Tst/Tn	最大转矩 额定转矩 Tmax/Tn
		220V	380V	660V							
MSEJ7112-AC	0.37	1.71	0.99	0.57	2690	70	0.81	5	6.1	2.2	2.2
MSEJ7122-AC	0.55	2.42	1.40	0.81	2715	73	0.82	5	6.1	2.2	2.3
MSEJ8012-AC	0.75	3.17	1.83	1.06	2730	75	0.83	8	6.5	2.2	2.3
MSEJ8022-AC	1.1	4.47	2.58	1.49	2746	77	0.84	8	7	2.2	2.3
MSEJ90S-2-AC	1.5	5.94	3.43	1.98	2715	79	0.84	15	7	2.2	2.3
MSEJ90L-2-AC	2.2	8.40	4.85	2.80	2772	81	0.85	15	7	2.2	2.3
MSEJ100L-2-AC	3	10.9	6.31	3.64	2870	83	0.87	40	7	2.2	2.3
MSEJ112M-2-AC	4	14.1	8.13	4.69	2890	85	0.88	40	7	2.2	2.3
MSEJ132S1-2-AC	5.5	19.1	11.0	6.37	2910	86	0.88	80	7	2	2.3
MSEJ132S2-2-AC	7.5	25.8	14.9	8.59	2900	87	0.88	80	7	2	2.3
MSEJ160M1-2-AC	11	36.9	21.3	12.3	2930	88	0.88	130	7	2	2.3
MSEJ160M-2-AC	15	49.7	28.7	16.6	2930	89	0.89	130	7	2	2.2
MSEJ160L-2-AC	18.5	59.9	34.6	20.0	2930	90	0.9	130	7	2	2.2
MSEJ180M-2-AC	22	70.8	40.9	23.6	2970	90.5	0.9	234	7	2	2.2
MSEJ7114-AC	0.25	1.37	0.79	0.46	1390	65	0.74	5	4.4	2.1	2.4
MSEJ7124-AC	0.37	1.94	1.12	0.65	1375	67	0.75	5	5.2	2.1	2.4
MSEJ8014-AC	0.55	2.72	1.57	0.91	1370	71	0.75	8	6	2.4	2.3
MSEJ8024-AC	0.75	3.55	2.05	1.18	1380	73	0.76	8	6	2.3	2.3
MSEJ90S-4-AC	1.1	5.01	2.89	1.67	1390	75	0.77	15	6.5	2.3	2.3
MSEJ90L-4-AC	1.5	6.41	3.70	2.14	1400	78	0.79	15	6.5	2.3	2.3
MSEJ100L1-4-AC	2.2	8.94	5.16	2.98	1430	80	0.81	40	7	2.2	2.3
MSEJ100L2-4-AC	3	11.7	6.78	3.91	1430	82	0.82	40	7	2.2	2.3
MSEJ112M-4-AC	4	15.3	8.82	5.09	1430	84	0.82	40	7	2.2	2.3
MSEJ132S-4-AC	5.5	20.5	11.8	6.84	1440	85	0.83	80	7	2.2	2.3
MSEJ132M-4-AC	7.5	27.0	15.6	9.0	1450	87	0.84	80	7	2.2	2.3
MSEJ160M-4-AC	11	38.6	22.3	12.9	1460	88	0.85	130	7	2.2	2.3
MSEJ160L-4-AC	15	52.0	30.0	17.3	1460	89	0.85	130	7	2.2	2.2
MSEJ180M-4-AC	18.5	63.0	36.4	21.0	1470	90.5	0.85	234	7	2	2.2
MSEJ180L-4-AC	22	74.7	43.1	24.9	1470	91	0.85	234	7	2	2.2
MSEJ90S-6-AC	0.75	3.97	2.29	1.32	930	69	0.72	15	5.5	1.9	2.2
MSEJ90L-6-AC	1.1	5.51	3.18	1.84	930	72	0.73	15	5.5	1.9	2.2
MSEJ100L-6-AC	1.5	6.93	4.00	2.31	945	76	0.75	40	6	1.9	2.2
MSEJ112M-6-AC	2.2	9.65	5.57	3.22	945	79	0.76	40	6	2	2.2
MSEJ132S-6-AC	3	12.8	7.40	4.3	960	81	0.76	80	6.5	2	2.2
MSEJ132M1-6-AC	4	16.9	9.75	5.6	960	82	0.76	80	6.5	2	2.2
MSEJ132M2-6-AC	5.5	22.4	12.9	7.5	960	84	0.77	80	6.5	2	2
MSEJ160M-6-AC	7.5	28.6	16.5	9.5	970	86	0.8	130	6.5	2	2
MSEJ160L-6-AC	11	41.7	24.1	13.9	970	87.5	0.79	130	6.5	1.7	2
MSEJ180L-6-AC	15	54.6	31.5	18.2	970	87.5	0.79	234	6.5	1.8	2
MSEJ132S-8-AC	2.2	10.5	6.04	3.49	720	78	0.71	80	5.5	2	2
MSEJ132M-8-AC	3	13.7	7.9	4.56	720	79	0.73	80	5.5	2	2
MSEJ160M1-8-AC	4	17.7	10.2	5.89	720	81	0.73	130	6	2	2
MSEJ160M2-8-AC	5.5	23.6	13.6	7.85	720	83	0.74	130	6	2	2
MSEJ160L-8-AC	7.5	30.7	17.7	10.2	720	85.5	0.75	130	5.5	2	2
MSEJ180L-8-AC	11	43.5	25.1	14.5	730	87.5	0.76	234	6	1.7	2

MSEJ-DC系列铝壳三相直流电磁制动电动机

MSEJ SERIES THREE PHASE ASYNCHRONOUS ELECTROMAGNETIC BRAKING MOTOR



产品简介

MSEJ系列三相制动异步电动机，是全封闭、自扇冷、鼠笼型，附加直流电磁制动器的三相异步电动机。是MS系列的派生系列。

产品应用

适用于地切要求快速停止、准确定位、往复运转、频繁起动的各种机械，作为主传动和辅助传动之用，如：电动阀门、橡胶化工机械、木工机械、印刷机械、建筑机械、食品、仓库机械和冶金、锻压机械等。

产品特点

- 高效、节能
- 起动力矩高、制动力矩大，适用于频繁启动、制动
- 制动迅速、定位准确、安全可靠
- 振动小、噪音低
- 制动器可人工释放、便于手动盘车
- 安装尺寸符合IEC标准

标准形式

- 电源：三相，380V 50HZ
- 工作方式：S1连续工作制
- 防护等级：IP54
- 冷却方式：IC411
- 绝缘等级：F级
- 接法：3KW以下“Y”接法，4KW以上（含4KW）“Δ”接法
- 工作条件：
 - 环境温度：-20℃~40℃
 - 海拔：1000m以下
 - 制动方式：失电制动，制动电源由接线盒内的整流器供给，H100以下AC220V-DC99V，H112以上AC380V-DC170V。

PRODUCT INTRODUCTION

MSEJ series motor is a totally enclosed, self-cooled, and squirrel cage type three-phase asynchronous motor with additional DC electromagnetic brake. It is the derived series of MS.

FEATURE

High efficiency, energy-saving, big braking force moment, suitable for any frequently started machines, reliable, safe, and low noise. Easy to maintain, the brake can be uncharged by man. Installation dimensions meet IEC standards

APPLICATION

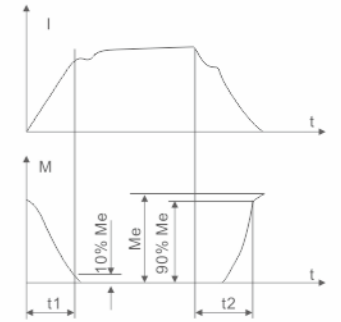
Suitable for any kind of machine which is required to stop quickly, be located accurately, rotate and brake frequently. such as electric valve, rubber chemical machinery, wood working machinery, printing machinery, construction machinery, food machinery, warehouse machinery, metallurgy, forging machinery and so on.

STANDARD FORM

- Three-phase asynchronous, 380V, 50 HZ
- Duty type: S1 continuous
- Protection grade: IP54
- Cooling method: IC411
- Insulation grade: F
- Connection: star "Y" for powers below 3Kw; Delta "Δ" for 4Kw and above
- Ambient temperature: -20℃~40℃
- Altitude: below 1000m
- Braking type: braking without electricity. Braking power is supplied by rectifier of terminal box.
- Below H100: AC220V-DC99V; Over H112: AC380V-DC170V

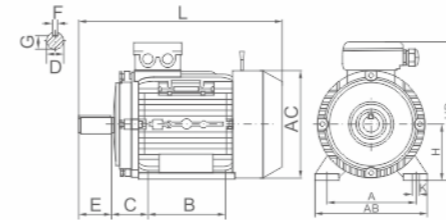
制动器技术参数 BRAKE TECHNICAL DATA

电机中心高	FRAME	mm	63	71	80	90	100	112	132	160	180
额定制动力	Rated torque	Nm	4	5	7.5	15	30	40	75	150	200
励磁功率P20℃	Excitation power	w	25	25	50	60	80	110	130	150	150
接通时间T1	Connection time T1	ms	60	63	84	110	140	152	165	214	252
接通时间T2	Connection time T2	ms	50	55	75	95	120	130	140	180	210
工作气隙&MAX	Aperture & max	mm	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6
最大工作气隙	Max aperture & max	mm	0.8	0.8	1	1	1	1	1.2	1.2	1.2
励磁电压DC	Excitation voltage	v	99	99	99	99	99	170	170	170	170
允许最高工作转速	Max. working speed	r/min	3000	3000	3000	3000	3000	3000	3000	3000	3000

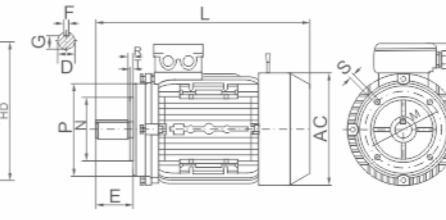


BRAKE CURVES

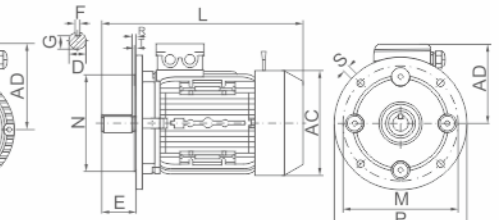
IMB3



IMB14



IMB5



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSIONS

机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																			外形尺寸 Overall Dimensions (mm)									
	IMB14																			IMB5					AB	AC	AD	HD	L
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T								
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3.0	130	130	117	180	266			
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	127	198	308			
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	141	221	350			
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	147	237	399			
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	147	237	425			
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	157	257	462			
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	245	240	174	286	501			
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4.0	265	230	300	0	15	4.0	280	275	193	325	561			
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4.0	265	230	300	0	15	4.0	280	275	193	325	599			
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4.0	300	250	350	0	15	5.0	320	330	255	420	742			
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4.0	300	250	350	0	15	5.0	320	330	255	420	742			
180M	279	241	121	48	110	14	42.5	180	15	265	230	300	0	M15	4.0	300	250	350	0	19	5.0	355	380	280	455	820			
180L	279	279	121	48	110	14	42.5	180	15	265	230	300	0	M15	4.0	300	250	350	0	19	5.0	355	380	280	455	820			



技术参数 TECHNICAL DATA

型号 Model	额定功率 Rated Power	额定电流 Rated Current (A) (50HZ)		额定 转速 Rated Speed	效率 Eff. η(%)	功率 因素 PF. cosφ	制动 力矩 Braking torque N.m	空载制 动时间 No load braking time s	励磁 功率 Exciting power w	启动电流 额定电流 Ist/In	堵转转矩 额定转矩 Tst/Tn	最大转矩 额定转矩 Tmax/Tn
		220V	380V									
MSEJ6312	0.18	0.91	0.53	2715	69	0.75	4	0.2	18	5.5	2.2	2.2
MSEJ6322	0.25	1.19	0.69	2715	68	0.81	4	0.2	18	5.5	2.2	2.2
MSEJ7112	0.37	1.71	0.99	2690	70	0.81	4	0.2	18	6.1	2.2	2.2
MSEJ7122	0.55	2.41	1.40	2715	73	0.82	4	0.2	18	6.1	2.2	2.3
MSEJ8012	0.75	3.16	1.83	2730	75	0.83	7.5	0.2	50	6.5	2.2	2.3
MSEJ8022	1.1	4.46	2.58	2746	77	0.84	7.5	0.2	50	7	2.2	2.3
MSEJ90S-2	1.5	5.93	3.43	2715	79	0.84	15	0.2	60	7	2.2	2.3
MSEJ90L-2	2.2	8.39	4.85	2772	81	0.85	15	0.2	60	7	2.2	2.3
MSEJ100L-2	3	10.9	6.31	2870	83	0.87	30	0.2	80	7	2.2	2.3
MSEJ112M-2	4	14.0	8.13	2890	85	0.88	40	0.25	110	7	2.2	2.3
MSEJ132S1-2	5.5	19.0	11.0	2910	86	0.88	75	0.25	130	7	2	2.3
MSEJ132S2-2	7.5	25.7	14.8	2900	87	0.88	75	0.25	130	7	2	2.3
MSEJ160M1-2	11	21.3	12.2	2930	88	0.88	150	0.35	150	7	2	2.3
MSEJ160M-2	15	28.7	16.4	2930	89	0.89	150	0.35	150	7	2	2.2
MSEJ160L-2	18.5	34.6	19.8	2930	90	0.9	150	0.35	150	7	2	2.2
MSEJ180M-2	22	40.9	23.4	2970	90.5	0.9	200	0.35	150	7	2	2.2
MSEJ6314	0.12	0.89	0.51	1350	53	0.64	4	0.2	18	7	2.1	2.4
MSEJ6324	0.18	1.25	0.73	1340	56	0.66	4	0.2	18	4.4	2.1	2.4
MSEJ7114	0.25	1.36	0.79	1390	65	0.74	4	0.2	18	4.4	2.1	2.4
MSEJ7124	0.37	1.93	1.12	1375	67	0.75	4	0.2	18	5.2	2.1	2.4
MSEJ8014	0.55	2.71	1.57	1370	71	0.75	7.5	0.2	50	6	2.4	2.3
MSEJ8024	0.75	3.55	2.05	1380	73	0.76	7.5	0.2	50	6	2.3	2.3
MSEJ90S-4	1.1	5.00	2.89	1390	75	0.77	15	0.2	60	6.5	2.3	2.3
MSEJ90L-4	1.5	6.39	3.70	1400	78	0.79	15	0.2	60	6.5	2.3	2.3
MSEJ100L1-4	2.2	8.91	5.16	1430	80	0.81	30	0.2	80	7	2.2	2.3
MSEJ100L2-4	3	11.7	6.78	1430	82	0.82	30	0.2	80	7	2.2	2.3
MSEJ112M-4	4	15.2	8.82	1430	84	0.82	40	0.25	110	7	2.2	2.3
MSEJ132S-4	5.5	20.4	11.8	1440	85	0.83	75	0.25	130	7	2.2	2.3
MSEJ132M-4	7.5	26.9	15.5	1450	87	0.84	75	0.25	130	7	2.2	2.3
MSEJ160M-4	11	22.3	12.7	1460	88	0.85	150	0.35	150	7	2.2	2.3
MSEJ160L-4	15	30.0	17.1	1460	89	0.85	150	0.35	150	7	2.2	2.2
MSEJ180M-4	18.5	36.4	20.8	1470	90.5	0.85	200	0.35	150	7	2	2.2
MSEJ180L-4	22	43.1	24.6	1470	91	0.85	200	0.35	150	7	2	2.2
MSEJ90S-6	0.75	3.96	2.29	930	69	0.72	15	0.2	60	5.5	1.9	2.2
MSEJ90L-6	1.1	5.49	3.18	930	72	0.73	15	0.2	60	5.5	1.9	2.2
MSEJ100L-6	1.5	6.91	4.00	945	76	0.75	30	0.2	80	6	1.9	2.2
MSEJ112M-6	2.2	9.62	5.57	945	79	0.76	40	0.25	110	6	2	2.2
MSEJ132S-6	3	12.7	7.40	960	81	0.76	75	0.25	130	6.5	2	2.2
MSEJ132M1-6	4	16.8	9.75	960	82	0.76	75	0.25	130	6.5	2	2.2
MSEJ132M2-6	5.5	22.3	12.9	960	84	0.77	75	0.35	130	6.5	2	2
MSEJ160M-6	7.5	16.5	9.43	970	86	0.8	150	0.35	150	6.5	2	2
MSEJ160L-6	11	24.1	13.8	970	87.5	0.79	150	0.35	150	6.5	1.7	2
MSEJ180L-6	15	31.5	18.0	970	87.5	0.79	200	0.35	150	6.5	1.8	2
MSEJ132S-8	2.2	10.4	6.04	720	78	0.71	75	0.25	130	5.5	2	2
MSEJ132M-8	3	13.6	7.90	720	79	0.73	75	0.25	130	5.5	2	2
MSEJ160M1-8	4	10.2	5.80	720	81	0.73	150	0.35	150	6	2	2
MSEJ160M2-8	5.5	13.6	7.80	720	83	0.74	150	0.35	150	6	2	2
MSEJ160L-8	7.5	17.7	10.1	720	85.5	0.75	150	0.35	150	5.5	2	2
MSEJ180L-8	11	25.1	14.3	730	87.5	0.76	200	0.35	150	6	1.7	2