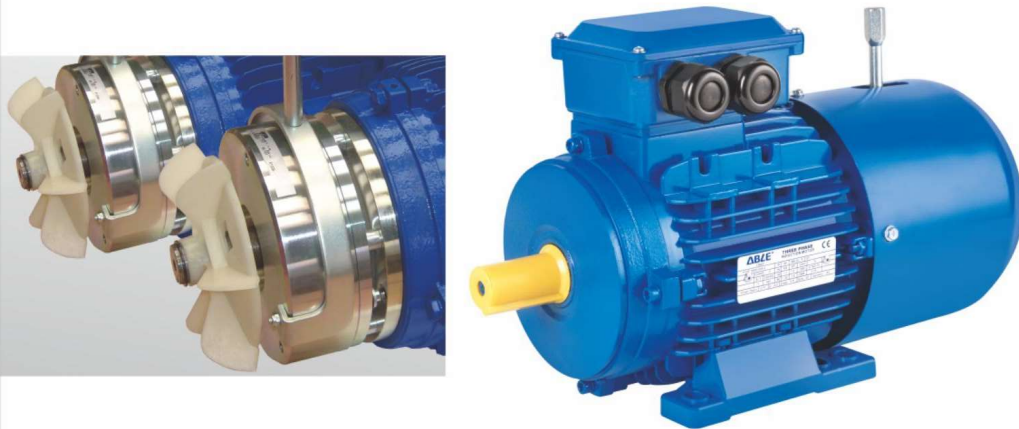


MSEJ-AC系列铝壳三相交流电磁制动异步电动机

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



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.

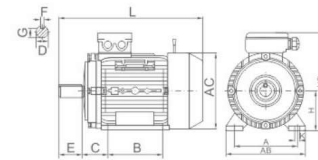
FEATURE

- 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.

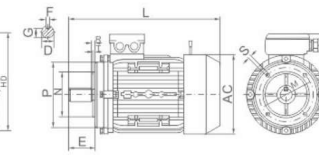
WORKING CONDITIONS

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

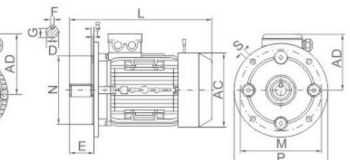
IMB3



IMB14



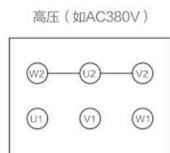
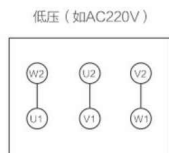
IMB5



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														
	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



U1	绿	Green
V1	蓝	Blue
W1	黄	Yellow
U2	白	White
V2	黑	Black
W2	红	Red

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	制动 转矩 Tn	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
		kW	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

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）“△”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

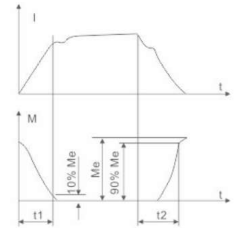
Suitable for any kind of machine which is required to stop quickly, be located accurately, rotate and brake frequently, such as electric valve, rubber chemical machinery, wood working machinery, printing machinery, construction machinery, food machinery, warehouse machinery, metallurgy, forging machinery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

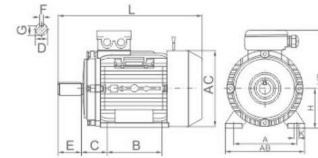
制动器技术参数 BRAKE TECHNICAL DATA

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

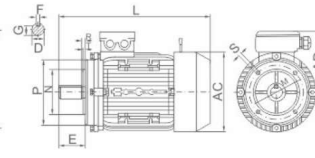


BRAKE CURVES

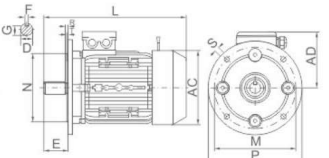
IMB3



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											
	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	3.0	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

ABLE[®]
ABLE MOTOR
www.ablecn.com

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.	功率 因素 PF.	制动力矩 Braking torque	空载制 动时间 No load braking time	励磁 功率 Exciting power	启动电流 额定电流 Ist/In	堵转转矩 额定转矩 Tst/In	最大转矩 额定转矩 Tmax/In
		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