



Specialised Air Motors and Transmission

"The Brand You Can Trust"

MSEJ

Series Three Phase Synchronous Breaking Motor



Specifications

- Three Phase
- Available in 2, 4, 6, 8 pole
- Power range between 0.09kW to 7.5kW
- Suitable for all applications

High Quality Inclusions

- IP55 enclosure (IP54 on request)
- High strength cable gland
- Made to heavy duty service factors
- Made for continuous S1 duty
- Vacuum impregnated class F insulation (Class B insulation on request)

Special Features

- High performance and efficiency
- Water, dust and vermin resistant
- Quiet operation
- Multiple feet locations
- B3, B5, B14, multi-mount arrangement
- Ideal general purpose motor

Casings

- Aluminium frame, end shields and base
- Superior paint finish
- Corrosion resistant

Applications

- Hoists/ Winches
- Compressors
- Conveyor Drives
- Pump Drives
- Automation Devices
- Food/Pharmacy packaging
- Pulley drives
- Multi-speed
- Food

TONSON AUSTRALIA Pty Ltd

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Model	Power (kW)	Current (A)		Speed (rpm)	Eff (%)	Power Factor	Static Braking Torque (Nm)	No-Load Brake Lag Time (S)	Emerging Power (w)	Lastar/ Tn	Tstart / Tn	Tmax / Tn
		220V	380V									
MSEJ 631-2	0.18	0.91	0.53	2715	69	0.75	4	0.2	18	5.5	2.2	2.2
MSEJ 632-2	0.25	1.19	0.69	2715	68	0.81	4	0.2	18	5.5	2.2	2.2
MSEJ 711-2	0.37	1.71	0.99	2690	70	0.81	4	0.2	18	6.1	2.2	2.2
MSEJ 712-2	0.55	2.41	1.4	2715	73	0.82	4	0.2	18	6.1	2.2	2.3
MSEJ 801-2	0.75	3.16	1.83	2730	75	0.83	7.5	0.2	50	6.5	2.2	2.3
MSEJ 802-2	1.1	4.46	2.58	2746	77	0.84	7.5	0.2	50	7.0	2.2	2.3
MSEJ 90S-2	1.5	5.93	3.43	2715	79	0.84	15	0.2	60	7.0	2.2	2.3
MSEJ 90L-2	2.2	8.39	4.85	2772	81	0.85	15	0.2	60	7.0	2.2	2.3
MSEJ 100L-2	3	10.9	6.31	2870	83	0.87	30	0.2	80	7.0	2.2	2.3
MSEJ 112M-2	4	14.03	8.13	2890	85	0.88	40	0.25	110	7.0	2.2	2.3
MSEJ 132S1-2	5.5	19.07	11.04	2910	86	0.88	75	0.25	130	7.0	2.0	2.3
MSEJ 132S2-2	7.5	25.71	14.88	2900	87	0.88	75	0.25	130	7.0	2.0	2.3
MSEJ 160M1-2	11	21.3	12.2	2930	88	0.88	150	0.25	150	7.0	2.0	2.3
MSEJ 160M2-2	15	28.7	16.4	2930	89	0.89	150	0.25	150	7.0	2.0	2.2
MSEJ 160L-2	18.5	34.6	19.8	2930	90	0.9	150	0.25	150	7.0	2.0	2.2
MSEJ 180M-2	22	40.9	23.4	2970	90.5	0.9	200	0.25	150	7.0	2.0	2.2
MSEJ 631-4	0.12	0.89	0.51	13	53	0.64	4	0.2	18	7.0	2.1	2.4
MSEJ 632-4	0.18	1.25	0.73	13	56	0.66	4	0.2	18	4.4	2.1	2.4
MSEJ 711-4	0.25	1.36	0.79	13	65	0.74	4	0.2	18	4.4	2.1	2.4
MSEJ 712-4	0.37	1.93	1.	13	64	0.75	4	0.2	18	5.2	2.1	2.4
MSEJ 801-4	0.55	2.71	1.	13	71	0.75	7.5	0.2	50	6.0	2.1	2.3
MSEJ 802-4	0.75	3.55	2.	13	73	0.76	7.5	0.2	50	6.0	2.3	2.3
MSEJ 90S-4	1.1	5	2.	13	75	0.77	15	0.2	60	6.5	2.3	2.3
MSEJ 90L-4	1.5	6.39	3.	14	78	0.79	15	0.2	60	6.5	2.3	2.3
MSEJ 100L-4	2.2	8.91	5.	14	80	0.81	30	0.2	80	7.0	2.2	2.3
MSEJ 100L-4	3	11.71	6.	14	82	0.82	40	0.2	80	7.0	2.2	2.3
MSEJ 112M-4	4	15.24	8.	14	84	0.82	75	0.25	110	7.0	2.2	2.3
MSEJ 132S1-4	5.5	20.46	11.	14	85	0.83	75	0.25	130	7.0	2.2	2.3
MSEJ 132S2-4	7.5	26.93	15	14	87	0.84	150	0.25	130	7.0	2.2	2.3
MSEJ 160M1-4	11	22.3	12	14	88	0.85	150	0.25	150	7.0	2.2	2.3
MSEJ 160L-4	15	30	17	14	89	0.85	150	0.25	150	7.0	2.2	2.2
MSEJ 180M-4	18.5	36.4	20	14	90.5	0.85	200	0.25	150	7.0	2.0	2.2
MSEJ 180L-4	22	43.14	24	14	91	0.85	200	0.25	150	7.0	2.0	2.2
MSEJ 90S-6	0.75	3.96	2.29	9	69	0.72	15	0.2	60	5.5	1.9	2.2
MSEJ 90L-6	1.1	5.49	3.18	9	72	0.73	15	0.2	60	5.5	1.9	2.2
MSEJ 100L-6	1.5	6.91	4	9	76	0.75	30	0.2	80	6.0	1.9	2.2
MSEJ 112M-6	2.2	9.62	5.57	9	79	0.76	40	0.25	110	6.0	2.0	2.2
MSEJ 132S1-6	3	12.79	7.4	9	81	0.76	75	0.25	130	6.5	2.0	2.2
MSEJ 132M1-6	4	16.84	9.75	9	82	0.76	75	0.25	130	6.5	2.0	2.2
MSEJ 132M2-6	5.5	22.32	12.92	9	84	0.77	75	0.35	130	6.5	2.0	2.0
MSEJ 160M1-6	7.5	16.5	9.43	9	86	0.8	150	0.35	150	6.5	2.0	2.0
MSEJ 160M2-6	11	24.1	13.8	9	87.5	0.79	150	0.35	150	6.5	1.7	2.0
MSEJ 180M-6	15	31.5	18	9	87.5	0.79	200	0.35	150	6.5	1.8	2.0
MSEJ 132S-8	2.2	10.43	6.04	720	78	0.7	75	0.25	130	5.5	2.0	2.0
MSEJ 132M-8	3	13.65	7.9	720	79	0.7	75	0.25	130	5.5	2.0	2.0
MSEJ 160M1-8	4	10.2	5.8	720	81	0.7	150	0.35	150	6.0	2.0	2.0
MSEJ 160M2-8	5.5	13.6	7.8	720	83	0.7	150	0.35	150	6.0	2.0	2.0
MSEJ 160L-8	7.5	17.7	10.1	720	85.5	0.7	150	0.35	150	5.5	2.0	2.0
MSEJ 180M-8	11	25.1	14.3	730	87.5	0.7	200	0.35	150	6.0	1.7	2.0

Every effort has been made to make sure data listed in this publication is correct. Any information may change without prior notice. Contact SAMT head office for sizes above 4kW.

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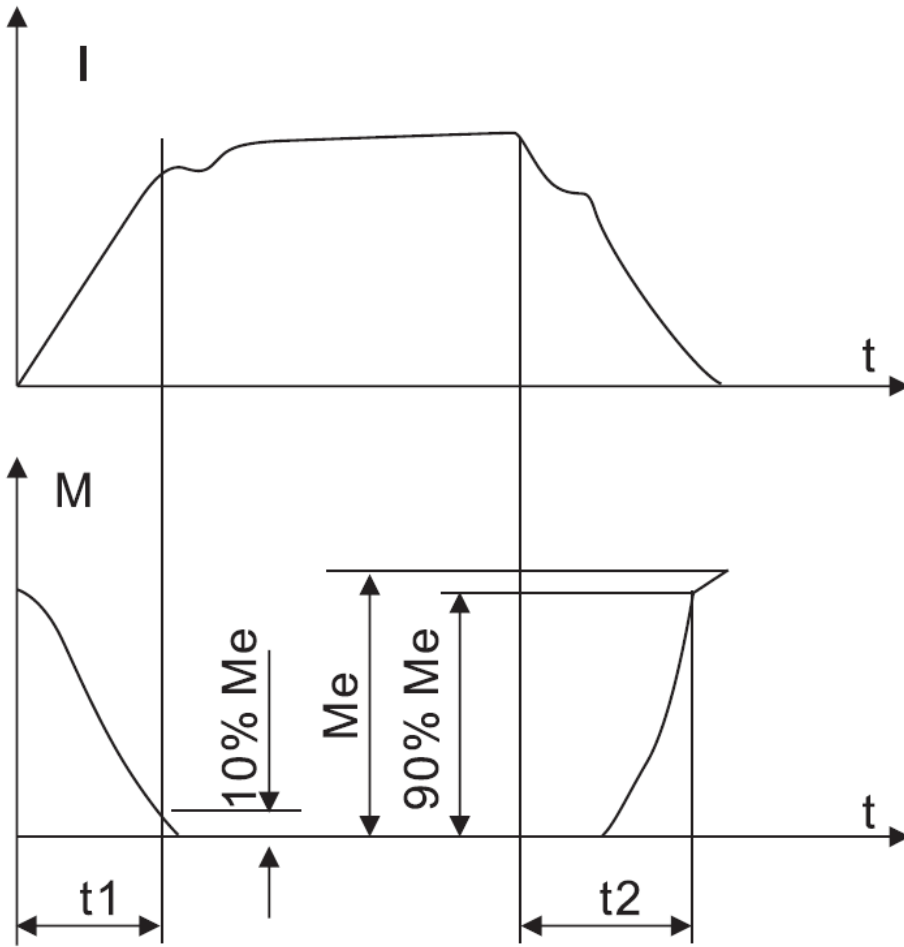
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BRAKE CURVES

Frame	63	71	80	90	100	112	132	160	180
Rate Torque Me (Nm)	4	5	7.5	15	30	40	75	150	200
Energising Power P20 (w)	25	25	50	60	80	110	130	150	160
On time T1 (ms)	60	63	87	110	140	152	165	214	252
On time T2 (ms)	50	55	75	95	120	130	140	180	210
Aperture & max (mm)	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6
Max aperture & max (mm)	0.8	0.8	1	1	1	1	1.2	1.2	1.2
Energising voltage DC (v)	99	99	99	99	99	170	170	170	170
High speed (r/min)	3000	3000	3000	3000	3000	3000	3000	3000	3000

Note: All images are for illustration purposes only, actual colours and types may vary

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