



Elektrim TECHTOP

Product Catalogue

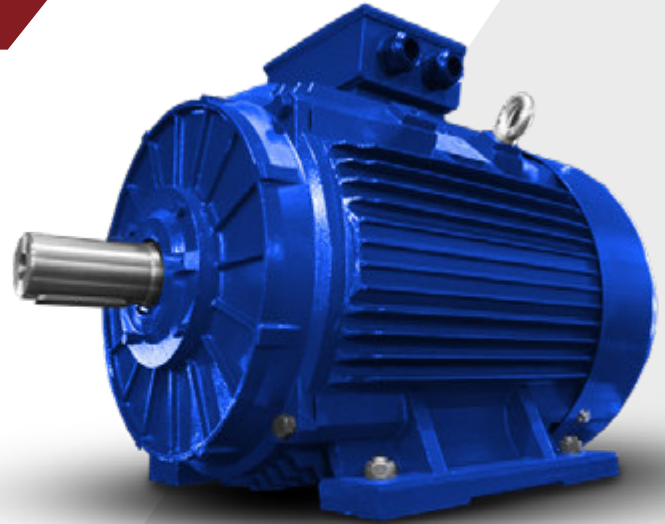


INDUCTION MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS CAST IRON HOUSING

The EMM series of three-phase asynchronous motors are constructed as Totally Enclosed Fan Cooled (TEFC) and are available in both cast iron and aluminum housing. They encompass our latest design with many new features, are made of selected high-quality materials, and conform to the IEC Standard.

Some unique design features include our special conical pro-ventilation fan cover, detachable feet for cast iron housing, and an extended aluminum housing range up to frame size 200. EMM series motors come with Protection IP55, Insulation Class F, and SKF imported bearings as standard. These series of motors can be used for general drives.



TECHNICAL DATA

CAST IRON - IE1 2 POLE

Motor Type	Rated Output		Rated Speed rpm	IFL 380V (AMP)	IFL 400V (AMP)	IFL 415V (AMP)	EFF %	Power Factor	Rated Torque Nm	Locked Rotor Torque TST/ TFL	Maximum Torque TM/ TFL	Locked Rotor Current IST/ IFL	M of J kgm2	Noise Level LW dB(A)	Net Weight kg
	kW	HP													
EM80A-2	0.75	1	2830	1.90	1.81	1.74	72.1	0.83	2.5	2.2	2.3	6.1	0.001	62	16
EM80B-2	1.1	1.5	2830	2.65	2.52	2.43	75	0.84	3.7	2.2	2.3	6.9	0.002	62	17
EM90S-2	1.5	2	2840	3.51	3.34	3.22	77.2	0.84	5	2.2	2.3	7	0.002	67	20
EM90L-2	2.2	3	2840	4.93	4.69	4.52	79.7	0.85	7.4	2.2	2.3	7	0.003	67	23
EM100L-2	3	4	2870	6.43	6.11	5.89	81.5	0.87	10	2.2	2.3	7.5	0.005	74	29
EM112M-2	4	5.5	2890	8.31	7.90	7.61	83.1	0.88	13.3	2.2	2.3	7.5	0.008	77	41
EM132SA-2	5.5	7.5	2900	11.2	10.7	10.3	84.7	0.88	18.1	2.2	2.3	7.5	0.014	79	57
EM132SB-2	7.5	10	2900	15.1	14.3	13.8	86	0.88	24.5	2.2	2.3	7.5	0.018	79	60
EM160MA-2	11	15	2930	21.4	20.4	19.6	87.6	0.89	35.8	2.2	2.3	7.5	0.051	81	104
EM160MB-2	15	20	2930	28.9	27.4	26.4	88.7	0.89	48.8	2.2	2.3	7.5	0.064	81	106
EM160L-2	18.5	25	2930	35.0	33.2	32.0	89.3	0.9	60.4	2.2	2.3	7.5	0.076	81	132
EM180M-2	22	30	2940	41.3	39.2	37.8	89.9	0.9	71.4	2	2.3	7.5	0.105	83	155
EM200LA-2	30	40	2950	55.8	53.0	51.1	90.7	0.9	97.2	2	2.3	7.5	0.179	84	217
EM200LB-2	37	50	2950	68.5	65.1	62.7	91.2	0.9	119.8	2	2.3	7.5	0.201	84	228
EM225M-2	45	60	2970	82.8	78.7	75.9	91.7	0.9	144.8	2	2.3	7.5	0.305	86	286
EM250M-2	55	75	2970	101	95.8	92.3	92.1	0.9	177	2	2.3	7.5	0.414	89	354
EM280S-2	75	100	2970	137	130	125	92.7	0.9	241.3	2	2.3	7	0.695	91	493
EM280M-2	90	125	2970	162	154	148	93	0.91	289.5	2	2.3	7.1	0.852	91	505
EM315S-2	110	150	2980	197	187	180	93.3	0.91	352.7	1.8	2.2	7.1	1.753	92	870
EM315M-2	132	180	2980	236	224	216	93.5	0.91	423.2	1.8	2.2	7.1	1.874	92	945
EM315LA-2	160	220	2980	285	271	261	93.8	0.91	513	1.8	2.2	7.1	2.296	92	995
EM315L-2	185	250	2980	326	310	301	94	0.91	592.9	1.8	2.2	7.1	2.38	92	1050
EM315LB-2	200	270	2980	351	334	322	94	0.92	641.2	1.8	2.2	7.1	3.2	92	1120
EM355MA-2	220	300	2980	391	367	358	94	0.92	640.9	1.8	2.2	7.1	2.478	100	1800
EM355MB-2	250	340	2980	439	417	402	94	0.92	801.5	1.6	2.2	7.1	3.14	100	1890
EM355LA-2	280	375	2980	497	468	455	94	0.92	897.3	1.6	2.2	7.1	4.4	100	2040
EM355L-2	315	430	2980	553	526	507	94	0.92	1009.9	1.6	2.2	7.1	3.85	100	2235
EM355LB-2	355	475	2980	631	593	577	94	0.92	1137.6	1.6	2.2	7.1	5.2	100	2310