



MA-SERIES THREE-PHASE INDUCTION MOTOR

2 POLE 3000RPM SYNCHRONOUS SPEDD 50HZ

TECHNICAL DATA

TYPE	OUTPUT		SPEED	IFL			EFFICIENCY			POWER FACTOR			TFL	IST	TST	TM	NOISE LEVEL	WEIGHT
	HP	KW		r/min	380v	380v	400v	100%FL	75%FL	50%FL	100%FL	75%FL						
				(AMPS)	(AMPS)	(AMPS)												
MA561-2	0.12	0.009	2800	0.3	0.3	0.3	62	61	57	0.77	0.71	0.64	0.31	5.2	2.1	2.2	60	3.5
MA562-2	0.18	0.12	2800	0.4	0.3	0.3	64	63.5	59	0.78	0.73	0.65	0.41	5.2	2.1	2.2	60	3.6
MA631-2	0.25	0.18	2800	0.5	0.5	0.5	66	64	60	0.80	0.73	0.66	0.61	5.5	2.2	2.3	61	4.5
MA632-2	0.37	0.25	2800	0.7	0.6	0.6	69	68.5	66	0.81	0.74	0.67	0.96	5.5	2.2	2.3	61	4.7
MA711-2	0.5	0.37	2800	1	0.9	0.9	71	71	68.5	0.81	0.75	0.66	1.26	6.1	2.2	2.3	64	6.0
MA712-2	0.75	0.55	2800	1.4	1.3	1.3	74	73	69.5	0.82	0.76	0.69	1.88	6.1	2.2	2.3	64	6.3
MA801-2	1	0.75	2825	1.8	1.7	1.6	76	75	70	0.83	0.79	0.70	2.54	6.1	2.2	2.3	67	10
MA802-2	1.5	1.1	2825	2.5	2.4	2.3	78	77.6	75.5	0.84	0.79	0.70	3.72	7.0	2.2	2.3	67	11
MA90S-2	2	1.5	2840	3.4	3.2	3.1	79.2	79	77	0.84	0.80	0.72	5.04	7.0	2.2	2.3	72	13
MA90L-2	3	2.2	2840	4.8	4.6	4.4	81.5	82	80	0.85	0.81	0.72	7.40	7.0	2.2	2.3	72	14
MA100L-2	4	3	2880	6.2	5.9	5.7	83.5	83.5	82.5	0.88	0.84	0.74	9.95	7.5	2.2	2.3	76	25
MA112M-0	5.5	4	2890	8.1	7.7	7.4	85.5	85.1	84.4	0.88	0.84	0.76	13.22	7.5	2.2	2.3	77	28
MA132S1-2	7.5	5.5	2900	10.8	10.3	9.9	86.5	86	83.6	0.89	0.85	0.78	18.11	7.5	2.2	2.3	80	40
MA132S2-2	10	7.5	2900	14.7	14	13.5	87.1	86.5	84.3	0.89	0.85	0.78	24.70	7.5	2.2	2.3	80	45
MA160M1-2	15	11	2930	20.9	19.9	19.2	88.7	88.2	87.4	0.90	0.86	0.79	35.85	7.5	2.2	2.3	86	69
MA160M2-2	20	15	2930	28.3	26.9	25.9	89.5	89.8	89.3	0.90	0.87	0.80	48.89	7.5	2.2	2.3	86	78
MA160L-2	25	18.5	2930	34.1	32.4	31.2	90.5	90.6	89.6	0.91	0.87	0.80	60.30	7.5	2.2	2.3	86	90
MAA180M-2	30	22	2940	38.9	37.6	36.5	90.5	89.9	87.7	0.9	0.89	0.85	71.46	2.0	2.3	7.5	0.075	165
MAA200L1-2	40	30	2950	52.7	51.5	50.9	91.4	90.3	87.7	0.85	0.83	0.75	97.12	2.0	2.3	7.5	0.124	218
MAA200L2-2	50	37	2950	64.5	63.3	62.4	92	91.2	89.3	0.89	0.87	0.81	119.78	2.0	2.3	7.5	0.139	230
MAA225M-2	60	45	2970	78.2	77.1	76.5	92.5	90.9	88.4	0.89	0.88	0.84	144.70	2.0	2.3	7.5	0.233	280
MAA250M-2	75	55	2970	95.9	94.5	93.2	93	91.9	89.2	0.86	0.84	0.78	176.85	2.0	2.3	7.5	0.312	365
MAA280S-2	100	75	2970	127.3	126.5	125.8	93.6	93.1	91.5	0.90	0.88	0.84	241.16	2.0	2.3	7.5	0.579	495
MAA280M-2	125	90	2970	152	151.2	150.6	94.1	93.1	92.1	0.90	0.87	0.85	289.39	2.0	2.3	7.5	0.675	565
MAA315S-2	150	110	2980	185.3	184.2	183.5	94.4	93.9	92.4	0.90	0.87	0.82	352.51	1.8	2.2	7.1	1.18	890
MA315M-2	175	132	2980	221.4	220.7	219.1	94.8	94.3	92.8	0.88	0.85	0.80	423.02	1.8	2.2	7.1	1.82	980
MAA315L1-2	220	160	2980	265	264.8	263.9	95	94.5	93	0.91	0.88	0.82	512.75	1.8	2.2	7.1	2.08	1055
MAA315L2-2	270	200	2980	330	329.8	328.7	95	94.5	93	0.90	0.88	0.82	640.94	1.8	2.2	7.1	2.38	1110
MAA355M-2	335	250	2985	411	410.5	409.7	95	94	92.5	0.90	0.88	0.81	799.94	1.8	2.2	7.1	3.00	1900
MAA355L-2	420	315	2985	517	516.8	515.8	95.2	95.2	94	0.91	0.89	0.81	100.79	1.8	2.2	7.1	3.50	2300

IFL=FULL LOAD CURENT IST=LOCKED ROTOR CURENT TST= LOCKED ROTOR TORQUE TM=MAXIMUM TORQUE TFL=FULL LOAD TORQUE



MA-SERIES THREE-PHASE INDUCTION MOTOR

4 POLE 1500RPM SYNCHRONOUS SPEDD 50HZ

TECHNICAL DATA

TYPE	OUTPUT		SPEED r/min	IFL	IFL	IFL	EFFICIENCY			POWER FACTOR			TFL	IST	TST	TM	NOISE	WEIGHT (KG)
	HP	KW		380v (AMPS)	380v (AMPS)	400v (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL	Nm	IFL	TFL	IFL	LEVEL d(BA)	
MA561-4	0.09	0.06	1340	0.2	0.2	0.2	56.0	56.6	52.0	0.69	0.61	0.54	0.43	4.0	2.0	2.1	52	3.5
MA562-4	0.12	0.09	1340	0.3	0.3	0.3	58.0	58.2	54.5	0.7	0.61	0.55	0.64	4.0	2.0	2.1	52	3.6
MA631-4	0.18	0.12	1360	0.4	0.4	0.4	59.0	59	56	0.72	0.63	0.57	0.84	4.4	2.1	2.2	52	4.5
MA632-4	0.25	0.18	1360	0.6	0.6	0.5	62.0	61.6	57.5	0.73	0.65	0.57	1.26	4.4	2.1	2.2	52	4.7
MA711-4	0.37	0.25	1380	0.8	0.7	0.7	67.3	66.5	60.1	0.74	0.65	0.58	1.73	5.2	2.1	2.2	55	6
MA712-4	0.5	0.37	1380	1.1	1.0	1.0	70.0	69.0	62.0	0.75	0.67	0.6	2.56	5.2	2.1	2.2	55	6.3
MA801-4	0.75	0.55	1400	1.5	1.5	1.4	71.8	72.1	69.2	0.75	0.68	0.61	3.75	5.2	2.3	2.2	58	10
MA802-4	1	0.75	1400	2.0	1.9	1.8	73.5	73.5	69.7	0.77	0.68	0.62	5.11	6.0	2.3	2.3	58	11
MA90S-4	1.5	1.1	1400	2.8	2.7	2.6	76.5	77.1	75.6	0.78	0.70	0.62	7.50	6.0	2.3	2.3	61	13
MA90L-4	2	1.5	1400	3.7	3.5	3.4	78.6	79.2	78.8	0.79	0.71	0.64	10.23	6.0	2.3	2.3	61	14
MA100L-4	3	2.2	1420	5.0	4.7	4.5	82.0	81.6	80.2	0.82	0.74	0.66	14.8	7.0	2.3	2.3	64	23
MA100L2-4	4	3	1420	6.6	6.3	6.1	83.0	83.6	83.4	0.83	0.76	0.66	20.18	7.0	2.3	2.3	64	25
MA112M-4	5.5	4	1440	8.6	8.2	7.9	85.1	84.9	83.4	0.83	0.77	0.66	26.53	7.0	2.3	2.3	65	28
MA132S-4	7.5	5.5	1440	11.5	10.9	10.5	86.6	86.1	85.5	0.84	0.79	0.71	36.48	7.0	2.3	2.3	71	45
MA132M-4	10	7.5	1440	15.3	14.5	14.0	87.6	87.6	87.1	0.85	0.81	0.71	49.74	7.0	2.3	2.3	71	55
MA160M-4	15	11	1460	22.2	21.1	20.3	88.5	87.5	84.2	0.85	0.81	0.74	71.59	7.0	2.3	2.3	75	78
MA160L-4	20	15	1460	29.8	28.3	27.3	88.9	89.2	88.7	0.85	0.82	0.75	92.12	7.0	2.3	2.3	75	90
MAA180M-4	25	18.5	1470	34.6	33.5	32.1	90.7	90.6	89.2	0.89	0.86	0.77	120.19	2.2	2.3	7.5	76	164
MAA 180L-4	30	22	1480	41	40.5	39.8	91.6	91.7	90.7	0.88	0.85	0.75	142.93	2.2	2.3	7.5	76	182
MAA200L-4	40	30	1480	54.7	53.9	52.6	92.6	92.4	91.6	0.87	0.84	0.75	160.96	2.2	2.3	7.2	79	245
MAA225S-4	50	37	1480	66.4	65.3	64.8	92.8	92.7	91.5	0.87	0.84	0.75	198.51	2.2	2.3	7.2	81	258
MAA225M-4	60	45	1480	80.4	79.8	78.4	93.4	93.3	92.5	0.89	0.87	0.81	290.37	2.2	2.3	7.2	81	290
MAA250M-4	75	55	1480	97.8	98.2	91.1	94.0	94.2	93.6	0.89	0.88	0.82	354.9	2.2	2.3	7.2	83	388
MAA280S-4	100	75	1480	133	132.5	131.6	94.0	93.5	92.0	0.91	0.89	0.84	483.95	2.2	2.3	7.2	86	510
MAA280N-4	125	90	1485	158.7	157.9	156.8	94.0	93.5	91.8	0.88	0.86	0.80	578.79	2.2	2.3	7.2	86	606
MAA315S-4	150	110	1485	191	190.8	189.2	94.4	93.5	91.4	0.88	0.87	0.81	707.41	2.1	2.2	7.2	93	910
MAA315M-4	175	132	1485	228	227.1	226.3	94.8	94.8	93.3	0.91	0.88	0.82	848.89	2.1	2.2	6.9	93	1000
MAA315L1-4	220	160	1485	273	272.9	271.7	95.0	94.5	93.5	0.88	0.85	0.78	1028.98	2.1	2.2	6.9	97	1055
MAA315L2-4	270	200	1485	341	340.8	339.6	95.0	94.1	92.7	0.89	0.87	0.81	1286.2	2.1	2.2	6.9	97	1128
MAA355M-4	335	250	1490	421	420.5	419.5	95.0	94.4	93.4	0.89	0.87	0.79	1602.35	2.1	2.2	6.9	101	1700
MAA355L-4	420	315	1490	528	527.8	526.8	95.5	95.0	93.8	0.88	0.86	0.79	2018.96	2.1	2.2	6.9	101	1900

IFL=FULL LOAD CURENT IST=LOCKED ROTOR CURENT TST= LOCKED ROTOR TORQUE TM=MAXIMUM TORQUE TFL=FULL LOAD TORQUE



MA-SERIES THREE-PHASE INDUCTION MOTOR

6 POLE 1000RPM SYNCHRONOUS SPEED 50HZ

TECHNICAL DATA

TYPE	OUTPUT		SPEED r/min	IFL			EFFICIENCY			POWER FACTOR			TFL Nm	IST IFL	TST TFL	TM IFL	NOISE LEVEL d(BA)	WEIGHT (KG)
	HP	KW		380v (AMPS)	380v (AMPS)	400v (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL						
MA 711-6	0.25	0.18	900	0.7	0.7	0.7	57.0	57.0	53.1	0.66	0.60	0.52	1.91	4.0	1.9	2	52	6
MA 712-6	0.37	0.25	900	0.9	0.9	0.8	60.0	59.9	55.2	0.68	0.60	0.53	2.65	4.0	1.9	2	52	6.3
MA 801-6	0.4	0.37	900	1.3	1.2	1.2	63.0	63.0	55.0	0.70	0.62	0.53	3.93	4.7	1.9	2	54	10
MA 802-6	0.75	0.55	900	1.8	1.7	1.6	66.0	66.5	64.2	0.72	0.62	0.53	5.84	4.7	1.9	2.1	54	11
MA 904-6	1	0.75	910	2.3	2.1	2.1	70.0	70.5	65.0	0.72	0.62	0.53	7.87	5.5	2.0	2.1	57	13
MA 90L-6	1.5	1.1	910	3.1	3.0	2.9	73.3	74.0	70.5	0.73	0.64	0.53	11.54	5.5	2.0	2.1	57	14
MA 100L-6	2	1.5	940	3.9	3.7	3.5	77.5	77.0	75.1	0.76	0.69	0.57	15.24	5.5	2.0	2.1	61	23
MA 112M-6	3	2.2	940	5.5	5.2	5.0	80.0	79.5	77.7	0.76	0.71	0.59	22.35	6.5	2.1	2.1	65	25
MA 132S-6	4	3	960	7.2	6.8	6.6	82.1	82.0	78.0	0.77	0.72	0.59	29.84	6.5	2.1	2.1	69	28
MS 132M1-6	5.5	4	960	9.5	9.0	8.7	83.0	82.8	80.6	0.77	0.72	0.62	39.79	8.5	2.1	2.1	69	45
MA 132M2-6	7.5	5.5	960	12.5	11.9	11.5	85.4	85.0	82.7	0.78	0.73	0.64	54.71	6.5	2.1	2.1	69	55
MA 160M-6	10	7.5	970	16.8	16.0	15.4	87.0	87.0	86.5	0.78	0.76	0.64	73.84	6.5	2.1	2.1	73	78
MA 160L-6	15	11	970	23.7	22.5	21.7	88.3	89.0	88.0	0.80	0.77	0.64	108.30	6.5	2.1	2.1	73	90
MAA180L-6	20	15	970	30			89.1	89.1	87.8	0.84	0.79	0.67	147.68	2.1	2.1	7.0	73	178
MAA200L1-6	25	18.5	970	36.6	35.7	34.8	90	90.2	88.9	0.82	0.78	0.67	182.14	2.1	2.0	7.0	76	200
MAA200L2-6	30	22	970	42.4	41.5	40.6	90.1	90.1	88.6	0.83	0.78	0.71	216.60	2.1	2.0	7.0	76	228
MAA225M-6	40	30	980	56.3	55.6	54.8	91.8	91.5	90.2	0.88	0.79	0.79	292.35	2.0	2.0	7.0	76	265
MAA250M-6	50	37	980	67.4	66.2	65.1	92.8	92.8	91.8	0.86	0.86	0.76	360.56	2.1	2.0	7.0	78	370
MAA280S-6	60	45	980	81.7	80.6	79.5	93.0	92.5	91.5	0.87	0.83	0.77	438.52	2.1	2.0	7.0	80	490
MAA280M-6	75	55	980	99.8	98.5	97.6	93.0	92.5	91.5	0.88	0.85	0.78	535.97	2.1	2.0	7.0	80	540
MAA315S-6	100	75	980	134	133.2	132.6	94.0	93.5	92.0	0.88	0.85	0.78	730.87	2.0	2.0	7.0	85	900
MAA315M-6	125	90	985	161	160.8	159.6	94.0	93.5	92.0	0.86	0.85	0.78	872.59	2.0	2.0	6.7	85	980
MAA315L-6	150	110	985	196	195.6	196.5	94.3	93.9	92.5	0.86	0.84	0.77	1066.50	2.0	2.0	6.7	85	1045
MAA315L2-6	175	132	985	232	231.8	230.6	94.7	94.2	93.0	0.87	0.84	0.77	1279.80	2.0	2.0	6.7	85	1100
MAA355M1-6	220	160	990	277	276.6	275.8	94.9	94.2	93.0	0.87	0.87	0.82	1543.43	1.9	2.0	6.7	92	1550
MAA355M2-6	270	200	990	347	346.9	345.1	94.9	94.5	93.7	0.89	0.87	0.83	1292.29	1.9	2.0	6.7	92	1600
MAA355L-6	335	250	990	432	431.5	431.2	95.0	95.0	94.0	0.88	0.86	0.80	2411.62	1.9	2.0	6.7	92	1700

IFL=FULL LOAD CURRENT IST=LOCKED ROTOR CURRENT TST= LOCKED ROTOR TORQUE TM=MAXIMUM TORQUE TFL=FULL LOAD TORQUE



MA-SERIES THREE-PHASE INDUCTION MOTOR

8 POLE 750RPM SYNCHRONOUS SPEED 50HZ

TECHNICAL DATA

TYPE	OUTPUT		SPEED r/min	IFL	IFL	IFL	EFFICIENCY			POWER FACTOR			TFL	IST	TST	TM	NOISE	WEIGHT (KG)
	HP	KW		380v (AMPS)	380v (AMPS)	400v (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL	Nm	IFL	TFL	IFL	LEVEL d(BA)	
MA 801-8	0.25	0.18	690	0.9	0.8	0.8	52.0	49.5	44.0	0.61	0.56	0.44	2.49	3.3	1.8	1.9	52	10
MA 802-8	0.37	0.25	690	1.1	1.1	1.0	54.6	51.6	46.0	0.61	0.56	0.45	3.46	3.3	1.8	1.9	52	11
MA90S-8	0.4	0.37	690	1.5	1.4	1.3	62.8	62.2	54.0	0.61	0.57	0.46	5.12	4.0	1.8	1.9	56	13
MA 90L-8	0.75	0.55	690	2.2	2.0	2.0	63.5	61.6	56.5	0.61	0.59	0.46	7.61	4.0	1.8	2.0	56	14
MA 100L1-8	1	0.75	700	2.4	2.2	2.2	72.1	71.8	64.0	0.67	0.60	0.47	10.23	4.0	1.8	2.0	59	23
MA 100L2-8	1.5	1.1	700	3.3	3.1	3.0	74.0	74.5	68.0	0.69	0.62	0.47	15.00	5.0	1.8	2.0	59	25
MA 112M-8	2	1.5	700	4.3	4.1	4.0	76.0	77.0	74.5	0.69	0.62	0.46	20.46	5.0	1.8	2.0	61	28
MA 132S-8	3	2.2	710	5.9	5.6	5.4	79.0	79.2	77.2	0.72	0.63	0.50	29.59	6.0	1.8	2.0	64	45
MA 132M-8	4	3	710	7.7	7.3	7.1	79.9	81.0	80.0	0.74	0.66	0.54	40.35	6.0	1.8	2.0	64	55
MA 160M1-8	5.5	4	720	10.0	9.5	9.2	82.0	82.0	80.6	0.74	0.66	0.56	53.06	6.0	1.9	2.0	68	69
MA 160M2-8	7.5	5.5	720	13.3	12.6	12.1	84.0	84.0	83.0	0.75	0.68	0.56	72.59	6.0	2.0	2.0	68	78
MA 160L-8	10	7.5	720	17.6	16.8	16.2	86.1	87.0	85.9	0.75	0.69	0.56	99.50	6.0	2.0	2.0	68	90
MAA 180L-8	15	11	730	23.8	22.7	21.6	87.8	87.9	86.4	0.77	0.70	0.57	143.90	2.0	2.0	6.0	70	160
MAA 200L-8	20	15	730	32.4	31.6	30.5	88.2	88.7	87.9	0.77	0.70	0.57	796.23	2.0	2.0	6.6	73	228
MAA 225S-8	25	18.5	730	39	38.6	37.1	91.3	91.5	90.6	0.76	0.72	0.61	242.02	1.9	2.0	6.6	73	242
MAA 225M-8	30	22	730	45	44.2	43.5	90.0	90.7	90.1	0.78	0.75	0.66	287.81	1.9	2.0	6.6	73	265
MAA 250M-8	40	30	740	60.8	59.6	58.6	92.4	92.3	91.3	0.81	0.76	0.66	382.47	1.9	2.0	6.6	75	368
MAA 280S-8	50	37	740	74	73.1	72.5	92.5	92.41	91.1	0.78	0.73	0.63	484.04	1.9	2.0	6.6	76	472
MAA 280M-8	60	45	740	89.3	88.2	87.9	92.6	92.6	91.5	0.78	0.73	0.63	580.74	1.8	2.0	6.6	76	538
MAA 315S-8	75	55	740	105	104.6	103.7	93.0	93.0	91.5	0.82	0.76	0.66	709.8	1.8	2.0	6.6	82	900
MAA 315M-8	100	75	740	143	142.9	141.6	93.5	93.5	92	0.82	0.78	0.67	967.91	1.8	2.0	6.6	82	1000
MAA 315L1-8	125	90	740	169	168.7	167.1	93.7	93.5	92	0.82	0.78	0.67	1161.49	1.8	2.0	6.6	82	1055
MAA 315L2-8	150	110	740	206	205.6	204.4	94.1	94.5	92	0.83	0.80	0.76	1419.6	1.8	2.0	6.4	82	1118
MAA 355M1-8	175	132	745	248	248.3	247.6	94.7	94.4	93.1	0.82	0.79	0.71	1692.08	1.8	2.0	6.4	90	2000
MAA 355M2-8	220	160	745	299	298.1	297.1	94.7	94.7	94.4	0.85	0.84	0.82	2051.08	1.8	2.0	6.4	90	2150
MAA 355L-8	270	200	745	369	369.5	368.6	94.8	94.2	92.2	0.84	0.83	0.80	2563.38	1.8	2.0	6.4	90	2250

IFL=FULL LOAD CURRENT IST=LOCKED ROTOR CURRENT TST= LOCKED ROTOR TORQUE TM=MAXIMUM TORQUE TFL=FULL LOAD TORQUE

