

AM1 (Cast Iron) : 6 – Pole – 1000 min⁻¹

AmTecs Motors Motor type AM1 = CAST IRON series 1 230/400V - 50Hz 400/690V - 50Hz Frame size EN60034-1 (IEC-DIN)			Rated output power	Rated current at			Full-load speed rpm	Full-load power factor	Full-load efficiency	Full-load torque	Starting current	Starting torque	Pull-out torque	Sound pressure level	Moment of inertia J=¼GD ²	Weight foot mounted
			P _N kW	380 V I _u A	400 V I _u A	420 V I _u A	n _N min ⁻¹	cos φ	100 % η %	M _N	I _S /I _N	M _S /M _N	M _k /M _N	dB(A) 1 metre (no load)	Kgm ²	kg
AM1	71 K	6	0.18	0.74	0.70	0.67	980	0.86	92	2.0	6	2.2	2.4	52	0.0006	6.3
AM1	71 G	6	0.25	0.95	0.90	0.86	980	0.86	92	2.7	6	2.2	2.4	52	0.0009	6.7
AM1-HO	71 Gx	6*	0.37	1.3	1.24	1.18	980	0.86	92.5	3.9	6	2.2	2.4	54	0.0014	7.1
AM1-HO	71 Gy	6*	0.55	1.79	1.70	1.62	980	0.86	92.8	5.7	6	2.2	2.4	54	0.0019	7.4
AM1	80 K	6	0.37	1.3	1.24	1.18	980	0.86	92.5	3.9	6	2.2	2.4	54	0.0015	9.4
AM1	80 G	6	0.55	1.79	1.70	1.62	980	0.86	92.8	5.7	6	2.2	2.4	54	0.0018	9.8
AM1-HO	80 Gx	6*	0.75	2.29	2.18	2.07	990	0.86	93.5	7.7	5.5	2.2	2.2	57	0.0025	10.4
AM1-HO	80 Gy	6*	1.10	3.18	3.02	2.88	990	0.86	93.8	11.3	5.5	2.2	2.2	57	0.0031	11
AM1	90 S	6	0.75	2.29	2.18	2.07	990	0.86	93.5	7.7	5.5	2.2	2.2	57	0.0028	16
AM1	90 L	6	1.10	3.18	3.02	2.88	990	0.86	93.8	11.3	5.5	2.2	2.2	57	0.0035	18
AM1-HO	90 Lx	6*	1.50	4	3.80	3.62	990	0.86	94	15.2	6	2.2	2.2	61	0.0042	21
AM1	100 L	6	1.50	4	3.80	3.62	990	0.87	94.2	15.2	6	2.2	2.2	61	0.0063	26
AM1-HO	100 Lx	6*	2.20	5.57	5.29	5.04	990	0.88	94.5	22.2	6	2.2	2.2	65	0.0082	29
AM1	100 Ly	-					990	0.88	94.6							
AM1	100 Lz	-					990	0.88	94.7							
AM1	112 M	6	2.20	5.57	5.29	5.04	990	0.88	94.8	22.2	6	2.2	2.2	65	0.011	30
AM1-HO	112 Mx	6*	3.00	7.4	7.03	6.70	990	0.88	94.9	30.3	6	2	2	69	0.016	35
AM1-HO	112 My	6*	4.00	9.75	9.26	8.82	990	0.88	95	39.8	6.5	2	2	69	0.021	40
AM1	132 S	6	3.00	7.4	7.03	6.70	980	0.86	92	30.3	6	2	2	69	0.015	46
AM1	132 Sx	-					980	0.86	92							
AM1	132 M	6	4.00	9.75	9.3	8.8	980	0.86	92.5	39.8	6.5	2	2	69	0.019	49
AM1	132 Mx	6	5.50	12.9	12.3	11.7	980	0.86	92.8	54.7	6.5	2	2	69	0.022	52
AM1-HO	132 My	6*	7.50	16.5	15.7	14.9	980	0.86	92.5	73.8	6.5	2	2	73	0.027	55
AM1	160 M	6	7.50	16.5	15.7	14.9	980	0.86	92.8	74	6.5	2	2	73	0.1	114
AM1	160 Mx	-					990	0.86	93.5							
AM1	160 L	6	11.0	24.1	22.9	21.8	990	0.86	93.8	108	6.5	2	2	73	0.13	121
AM1-HO	160 Lx	6*	15.0	31.5	29.9	28.5	990	0.86	93.5	148	7	2	2	73	0.17	129
AM1	180 M	-					990	0.86	93.8							
AM1	180 L	6	15.0	31.5	29.9	28.5	990	0.86	94	148	7	2	2	73	0.2	162
AM1-HO	180 Lx	6*	18.5	38.5	36.6	34.8	990	0.87	94.2	182	7	2	2	76	0.23	178
AM1-HO	180 Ly	6*	22.0	44.6	42.4	40.4	990	0.88	94.5	217	7	2	2	76	0.27	196
AM1	200 L	6	18.5	38.5	36.6	34.8	990	0.88	94.6	182	7	2	2	76	0.29	209
AM1	200 Lx	6	22.0	44.6	42.4	40.4	990	0.88	94.7	217	7	2	2	76	0.33	226
AM1-HO	200 Ly	6*	30.0	59.3	56.3	53.7	990	0.88	94.8	292	7	2	2.1	76	0.38	260
AM1-HO	200 Lz	6*	37.0	71	67.5	64.2	990	0.88	94.9	361	7	2	2.1	78	0.44	290
AM1	225 S	-					990	0.88	95							
AM1	225 M	6	30.0	59.3	56	54	980	0.86	92	292	7	2	2.1	76	0.57	273
AM1-HO	225 Mx	6*	37.0	71	67	64	980	0.86	92	361	7	2	2.1	78	0.7	305
AM1	250 M	6	37.0	71	67	64	980	0.86	92.5	361	7	2	2.1	78	0.89	360
AM1-HO	250 Mx	6*	45.0	86	82	78	980	0.86	92.8	439	7	2	2	80	0.94	390
AM1-HO	250 My	6*	55.0	105	100	95	980	0.86	92.5	536	7	2	2	80	1	
AM1	280 S	6	45.0	86	82	78	980	0.86	92.8	439	7	2	2	80	1.3	494
AM1	280 M	6	55.0	105	100	95	990	0.86	93.5	536	7	2	2	80	1.5	517
AM1-HO	280 Mx	6*	75.0	141	134	128	990	0.86	93.8	723	7	2	2	85	1.9	563
AM1-HO	280 My	6*	90.0	169	161	153	990	0.86	93.5	868	7	2	2	85	2.1	600
AM1	315 S	6	75.0	141	134	128	990	0.86	93.8	723	7	2	2	85	2.4	805
AM1	315 M	6	90.0	169	161	153	990	0.86	94	868	7	2	2	85	2.9	890
AM1	315 L	6	110	206	196	186	990	0.87	94.2	1061	6.7	2	2	85	3.5	990
AM1	315 Lx	6	132	244	232	221	990	0.88	94.5	1273	6.7	2	2	85	4.3	1400
AM1	355 M	6	160	292	277	264	990	0.88	94.6	1543	6.7	1.9	2	92	6.4	1550
AM1	355 Mx	6	180	330	314	299	990	0.88	94.7	1736	6.7	1.9	2	92	6.9	1580
AM1	355 My	6	200	365	347	330	990	0.88	94.8	1929	6.7	1.9	2	92	7.5	1620
AM1	355 L	6	225	406	386	367	990	0.88	94.9	2170	6.7	1.9	2	92	8.4	1660
AM1	355 Lx	6	250	455	432	412	990	0.88	95	2412	6.7	1.9	2	92	9.3	1700
AM1	355 Ly	6	280	510	485	461	980	0.86	92	2701	6.7	1.9	2	92	10.4	1760

*High output motors, not IEC, Isolation Class F-F