

AM1 (Cast Iron) : 2 – Pole – 3000 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	2	0.37	0.99	0.9	0.9	2690	0.81	70	1.3	6	2.2	2.2	75	0.0004	6
AM1	71 G	2	0.55	1.4	1.3	1.3	2700	0.82	73	1.9	6	2.2	2.2	75	0.0005	6.4
AM1-HO	71 Gx	2*	0.75	1.83	1.7	1.7	2730	0.83	75	2.6	6	2.2	2.2	75	0.0008	6.9
AM1-HO	71 Gy	2*	1.10	2.58	2.5	2.3	2746	0.84	77	3.8	7	2.2	2.2	84	0.001	7.2
AM1	80 K	2	0.75	1.8	1.7	1.6	2730	0.83	75	2.6	6	2.2	2.2	75	0.0007	9.6
AM1	80 G	2	1.10	2.6	2.5	2.4	2746	0.84	77	3.8	7	2.2	2.2	84	0.0009	11
AM1-HO	80 Gx	2*	1.50	3.43	3.3	3.1	2715	0.84	79	5.3	7	2.2	2.2	88	0.0014	12.3
AM1-HO	80 Gy	2*	2.20	8.39	8.0	7.6	2772	0.85	81	7.6	7	2.2	2.2	88	0.0018	13.9
AM1	90 S	2	1.50	3.4	3.2	3.1	2715	0.84	79	5.3	7	2.2	2.2	88	0.0014	14
AM1	90 L	2	2.20	4.8	4.6	4.3	2772	0.85	81	7.6	7	2.2	2.2	88	0.0025	16
AM1-HO	90 Lx	2*	3.00	6.31	6.0	5.7	2800	0.87	83	10.2		2.2	2.2	93	0.0028	18
AM1	100 L	2	3.00	6.3	6.0	5.7	2870	0.87	83	10.0	7	2.2	2.2	93	0.0025	20
AM1-HO	100 Lx	2*	4.00	8.13	7.7	7.4	2880	0.88	85	13.3	8	2.5	2.2	93	0.0034	26
AM1-HO	100 Ly	2*	5.50	11.04	10.5	10.0	2900	0.88	86	18.1	8	2.5	2.2	93	0.0045	31
AM1	100 Lz	-														
AM1	112 M	2	4.00	8.1	7.7	7.3	2930	0.88	85	13.0	8	2.5	2.2	93	0.0051	26.5
AM1-HO	112 Mx	2*	5.50	11.04	10.5	10.0	2900	0.88	86	18.1	8	2.5	2.2	94	0.0064	29
AM1-HO	112 My	2*	7.50	14.88	14.1	13.5	2900		86	24.7	8	2.5	2.2	95	0.009	32.5
AM1	132 S	2	5.50	11	10.5	10.0	2910	0.88	86	18.0	8	2.5	2.2	96	0.01	45.2
AM1	132 Sx	2	7.50	15	14.3	13.6	2910	0.88	87	24.6	8	2.5	2.2	97	0.013	47.9
AM1-HO	132 M	2*	9.00	17.55	16.7	15.9	2910	0.89	0.875	29.5	8	2.5	2.2	97	0.017	55
AM1-HO	132 Mx	2*	11.0	21.34	20.3	19.3	2919	0.88	88	36.0	8	2.5	2.2	97	0.02	58
AM1	132 My	-														
AM1	160 M	2	11.0	21.3	20.2	19.3	2950	0.88	88	35.6	8	2	2.2	86	0.036	106
AM1	160 Mx	2	15.0	28.7	27.3	26.0	2970	0.89	89	48.2	8	2	2.2	86	0.042	112
AM1	160 L	2	18.5	34.6	32.9	31.3	2970	0.9	90	59.5	8	2	2.2	86	0.057	125
AM1-HO	160 Lx	2*	22.0	40.9	38.9	37.0	2970	0.9	90.5	70.7	8	2	2.2	89	0.066	135
AM1	180 M	2	22.0	40.9	38.9	37.0	2970	0.9	90.5	70.7	8	2	2.2	89	0.077	152
AM1	180 L	-														
AM1-HO	180 Lx	2*	30.0	55.4	52.6	50.1	2970	0.9	91.2	96.5	8	2	2.2	92	0.09	180
AM1	180 Ly	-														
AM1	200 L	2	30.0	55.4	52.6	50.1	2970	0.9	91.2	96.5	8	2	2.2	92	0.14	220
AM1	200 Lx	2	37.0	67.7	64.3	61.3	2980	0.9	92	119	8	2	2.2	92	0.16	230
AM1-HO	200 Ly	2*	45.0	82.3	78.2	74.5	2980	0.9	92.3	144	8	1.8	2.2	92	0.18	242
AM1	200 Lz	-														
AM1	225 S	-														
AM1	225 M	2	45.0	82.3	78.2	74.5	2980	0.9	92.3	144	8	1.8	2.2	92	0.24	280
AM1-HO	225 Mx	2*	55.0	101	96.0	91.4	2980	0.9	92.5	176	7	1.8	2.2	93	0.28	310
AM1	250 M	2	55.0	101	96.0	91.4	2980	0.9	92.5	176	7	1.8	2.2	93	0.45	366
AM1-HO	250 Mx	2*	75.0	134	127	121	2980	0.9	93	240	7	1.8	2.2	94	0.55	390
AM1-HO	250 My	2*	90.0		0	0	2980	0.91	93.8	288	7	1.8	2.2	94	0.78	430
AM1	280 S	2	75.0	134	127	121	2980	0.9	93	240	7	1.8	2.2	94	0.79	475
AM1	280 M	2	90.0	160	152	145	2980	0.91	93.8	288	7	1.8	2.2	94	0.92	530
AM1-HO	280 Mx	2*	110	195	185	176	2980	0.91	94	353	6.8	1.8	2.2	96	1.2	560
AM1-HO	280 My	2*	132	233	221	211	2980	0.91	94.5	423	6.8	1.8	2.2	96	1.4	585
AM1	315 S	2	110	195	185	176	2980	0.91	94	353	6.8	1.8	2.2	96	1.3	812
AM1	315 M	2	132	233	221	211	2980	0.91	94.5	423	6.8	1.8	2.2	96	1.5	906
AM1	315 L	2	160	279	265	252	2980	0.92	94.6	513	6.8	1.8	2.2	99	1.8	961
AM1	315 Lx	2	200	348	331	315	2980	0.92	94.8	641	6.8	1.8	2.2	99	2.3	1350
AM1	355 M	2	250	433	411	392	2980	0.92	95.3	801	7	1.6	2.2	103	2.6	1700
AM1	355 Mx	-														
AM1	355 My	-														
AM1	355 L	2	280	500	475	452	2980	0.92	95.5	897	7	1.6	2.2	103	2.8	1900
AM1	355 Lx	2	315	544	517	492	2980	0.92	95.6	1009	7	1.6	2.2	103	3.1	2200
AM1	355 Ly	2	355	630	599	570	2980	0.92	95.8	1138	7	1.6	2.2	103	3.5	2600

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