

AM1 (Cast Iron) : 4 – Pole – 1500 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	4	0.25	0.79	0.75	0.71	1400	0.74	65	1.7	4.5	2.2	2.2	65	0.0004	6
AM1	71 G	4	0.37	1.12	1.1	1.0	1400	0.75	67	2.5	4.5	2.2	2.2	70	0.0005	6.4
AM1-HO	71 Gx	4*	0.55	1.57	1.5	1.4	1400	0.75	71	3.8	5.5	2.2	2.2	70	0.0007	6.8
AM1-HO	71 Gy	4*	0.75	2	1.9	1.8	1400	0.77	73	5.1	5.5	2.2	2.2	70	0.0009	7
AM1	80 K	4	0.55	1.6	1.5	1.4	1400	0.75	71	3.8	5.5	2.2	2.2	70	0.0012	9.5
AM1	80 G	4	0.75	2	1.9	1.8	1400	0.77	73	5.1	5.5	2.2	2.2	70	0.0015	12
AM1-HO	80 Gx	4*	1.10	2.9	2.8	2.6	1400	0.77	75	7.5	5.5	2.2	2.2	78	0.0022	12.4
AM1-HO	80 Gy	4*	1.50	3.7	3.5	3.3	1400	0.79	78	10.2	6	2.2	2.2	82	0.0026	13
AM1	90 S	4	1.10	2.9	2.8	2.6	1400	0.77	75	7.5	5.5	2.2	2.2	70	0.0015	14
AM1	90 L	4	1.50	3.7	3.5	3.3	1400	0.79	78	10.2	6	2.2	2.2	82	0.0018	16
AM1-HO	90 Lx	4*	2.20	5.1	4.8	4.6	1420	0.81	80	14.8	7	2.2	2.2	82	0.0026	18
AM1	100 L	4	2.20	5.1	4.8	4.6	1420	0.81	80	14.8	7	2.2	2.2	82	0.005	18
AM1	100 Lx	4	3.00	6.8	6.5	6.2	1420	0.82	82	20.2	7	2.2	2.2	86	0.006	20
AM1-HO	100 Ly	4*	4.00	8.8	8.4	8.0	1440	0.82	84	26.5	7	2.2	2.2	86	0.009	26
AM1	100 Lz	-														
AM1	112 M	4	4.00	8.8	8.4	8.0	1440	0.82	84	26.5	7	2.2	2.2	86	0.011	32
AM1-HO	112 Mx	4*	5.50	11.8	11.2	10.7	1440	0.83	85	36.5	7	2.2	2.2	86	0.015	38.4
AM1-HO	112 My	-														
AM1	132 S	4	5.50	11.8	11.2	10.7	1440	0.83	85	36.5	7	2.2	2.2	86	0.028	46
AM1	132 Sx	-														
AM1-HO	132 M	4*	7.50	15.5	14.7	14.0	1440	0.84	87	49.7	7	2	2	90	0.035	54.5
AM1-HO	132 Mx	4*	9.00	19.02	18.1	17.2	1450	0.85	88	59.3	7	2	2	90	0.042	62
AM1-HO	132 My	4*	11.0	22.34	21.2	20.2	1460	0.85	89	72.0	7	2	2.2	90	0.055	70
AM1	160 M	4	11.0	22.3	21.2	20.2	1460	0.85	88	72.0	7	2	2.2	75	0.065	106
AM1	160 Mx	-														
AM1	160 L	4	15.0	30	28.5	27.1	1460	0.85	89	98.1	7	2	2.2	75	0.09	126
AM1-HO	160 Lx	4*	18.5	36.4	34.6	32.9	1470	0.85	90.5	120	7.5	2.2	2.2	76	0.12	132
AM1	180 M	4	18.5	36.4	34.6	32.9	1470	0.85	90.5	120	7.5	2.2	2.2	76	0.13	154
AM1	180 L	4	22.0	43.1	40.9	39.0	1470	0.85	91	143	7.5	2.2	2.2	76	0.15	175
AM1-HO	180 Lx	4*	30.0	57.4	54.5	51.9	1470	0.86	92	195	7.5	2.2	2.2	79	0.19	200
AM1	180 Ly	-														
AM1	200 L	4	30.0	57.4	54.5	51.9	1470	0.86	92	195	7.5	2.2	2.2	79	0.24	235
AM1-HO	200 Lx	4*	37.0	69.9	66.4	63.2	1480	0.87	92.5	239	7.5	2.2	2.2	81	0.3	256
AM1-HO	200 Ly	4*	45.0	84.7	80.5	76.6	1480	0.87	92.8	290	7.5	2.2	2.2	81	0.36	278
AM1	200 Lz	-														
AM1	225 S	4	37.0	69.9	66.4	63.2	1480	0.87	92.5	239	7.5	2.2	2.2	81	0.44	295
AM1	225 M	4	45.0	84.7	80.5	76.6	1480	0.87	92.8	290	7.5	2.2	2.2	81	0.52	306
AM1-HO	225 Mx	4*	55.0	103	98	93	1480	0.89	93	355	7	2.2	2.2	83	0.6	318
AM1	250 M	4	55.0	103	98	93	1480	0.89	93	355	7	2.2	2.2	83	0.79	375
AM1-HO	250 Mx	4*	75.0	140	133	127	1480	0.86	93.8	484	7	2.2	2.2	86	0.95	390
AM1-HO	250 My	4*	90.0	167	159	151	1490	0.86	94.2	577	7	2.2	2.2	86	1.3	420
AM1	280 S	4	75.0	140	133	127	1480	0.86	93.8	484	7	2.2	2.2	86	1.4	533
AM1	280 M	4	90.0	167	159	151	1490	0.86	94.2	577	7	2.2	2.2	86	1.6	575
AM1-HO	280 Mx	4*	110	201	191	182	1490	0.87	94.5	705	6.9	2.1	2.2	93	1.8	625
AM1-HO	280 My	4*	132	240	228	217	1490	0.87	94.8	846	6.9	2.1	2.2	93	2.2	660
AM1	315 S	4	110	201	191	182	1490	0.87	94.5	705	6.9	2.1	2.2	93	2.2	851
AM1	315 M	4	132	240	228	217	1490	0.87	94.8	846	6.9	2.1	2.2	93	2.7	946
AM1	315 L	4	160	287	273	260	1490	0.88	94.9	1026	6.9	2.1	2.2	97	3.2	1026
AM1	315 Lx	4	200	359	341	325	1490	0.88	95	1282	6.9	2.3	2.2	97	4.2	1210
AM1	355 M	4	250	443	421	401	1485	0.88	95.3	1608	6.8	2.3	2.2	101	5.8	1600
AM1	355 Mx	-														
AM1	355 My	-														
AM1	355 L	4	280	505	480	457	1485	0.88	95.4	1801	6.8	2.2	2.2	101	6.4	1850
AM1	355 Lx	4	315	556	528	503	1485	0.89	95.6	2026	6.9	2.2	2.2	101	7	2300
AM1	355 Ly	4	355	650	618	588	1485	0.9	95.7	2283	6.9	2.2	2.2	103	7.8	2700

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