

# AM1 (Cast Iron) : 8 – Pole – 750 min<sup>-1</sup>

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 <sup>2</sup>	Weight foot mounted
				P <sub>N</sub> kW	380 V I <sub>u</sub> A	400 V I <sub>u</sub> A	420 V I <sub>u</sub> A	n <sub>N</sub> min <sup>-1</sup>	cos φ	100% η %	M <sub>N</sub>	I <sub>s</sub> /I <sub>N</sub>	M <sub>s</sub> /M <sub>N</sub>	M <sub>k</sub> /M <sub>N</sub>	dB(A) 1 metre (no load)	Kgm <sup>2</sup>
AM1	71 K	-														
AM1	71 G	-														
AM1-HO	71 Gx	8*	0.18	0.88	0.84	0.80	680	0.61	51	2.5	3.3	1.8	1.9	52	0.0009	7.2
AM1-HO	71 Gy	8*	0.25	1.15	1.09	1.04	680	0.61	54	3.5	3.3	1.8	1.9	52	0.0011	7.5
AM1	80 K	8	0.18	0.88	0.84	0.80	680	0.61	51	2.5	3.3	1.8	1.9	52	0.0015	9.2
AM1	80 G	8	0.25	1.15	1.09	1.04	680	0.61	54	3.5	3.3	1.8	1.9	52	0.0018	9.6
AM1-HO	80 Gx	8*	0.38	1.5	1.4	1.4	680	0.61	62	5.2	4	1.8	1.9	56	0.0023	10.6
AM1-HO	80 Gy	8*	0.55	2.2	2.1	2.0	700	0.61	63	7.5	4	1.8	2	56	0.0028	11.3
AM1	90 S	8	0.37	1.5	1.4	1.4	680	0.61	62	5.2	4	1.8	1.9	56	0.0025	15
AM1	90 L	8	0.55	2.2	2.1	2.0	700	0.61	63	7.5	4	1.8	2	56	0.0035	17
AM1-HO	90 Lx	8*	0.75	2.4	2.3	2.2	700	0.67	71	10.2	4	1.8	2	59	0.0045	20
AM1	100 L	8	0.75	2.4	2.3	2.2	700	0.67	71	10.2	4	1.8	2	59	0.0053	25
AM1	100 Lx	8	1.10	3.3	3.1	3.0	700	0.69	73	15.0	5	1.8	2	59	0.007	27
AM1-HO	100 Ly	8*	1.50	4.5	4.3	4.1	700	0.69	75	20.5	5	1.8	2	61	0.009	30
AM1-HO	100 Lz	8*	2.20	6	5.7	5.4	710	0.71	78	29.6	6	2	2	64	0.013	33
AM1	112 M	8	1.50	4.5	4.3	4.1	710	0.69	75	20.2	5	1.8	2	61	0.013	29
AM1-HO	112 Mx	8*	2.20	6	5.7	5.4	710	0.71	78	29.6	6	2	2	64	0.018	34
AM1-HO	112 My	8*	3.00	7.9	7.5	7.1	710	0.73	79	40.4	6	2	2	64	0.023	38
AM1	132 S	8	2.20	6	5.7	5.4	710	0.71	78	29.6	6	2	2	64	0.014	44
AM1	132 Sx	-														
AM1	132 M	8	3.00	7.9	7.5	7.1	710	0.73	79	40.4	6	2	2	64	0.018	47
AM1	132 Mx	8*	4.00	10.2	9.7	9.2	720	0.73	81	53.1	6	2	2	68	0.023	51
AM1-HO	132 My	8*	5.50	13.6	12.9	12.3	720	0.74	83	73.0	6	2	2	68	0.029	53
AM1	160 M	8	4.00	10.2	9.7	9.2	720	0.73	81	53.1	6	2	2	68	0.09	112
AM1	160 Mx	8	5.50	13.6	12.9	12.3	720	0.74	83	73.0	6	2	2	68	0.12	
AM1	160 L	8	7.50	17.7	16.8	16.0	720	0.75	85.5	99.5	6	2	2	68	0.16	118
AM1-HO	160 Lx	8*	11.0	25.1	23.8	22.7	730	0.76	87.5	144	6.5	2	2	70	0.23	125
AM1	180 M	-														
AM1	180 L	8	11.0	25.1	23.8	22.7	730	0.76	87.5	144	6.5	2	2	70	0.21	166
AM1-HO	180 Lx	8*	15.0	34	32.3	30.8	730	0.76	88	196	6.5	2	2	73	0.26	179
AM1-HO	180 Ly	8*	18.5	40.6	38.6	36.7	740	0.76	90	239	6.6	1.9	2	73	0.3	199
AM1	200 L	8	15.0	34	32.3	30.8	730	0.76	88	196	6.5	2	2	73	0.37	214
AM1	200 Lx	8*	18.5	40.6	38.6	36.7	740	0.76	90	239	6.6	1.9	2	73	0.43	230
AM1-HO	200 Ly	8*	22.0	47.4	45.0	42.9	740	0.78	90.5	284	6.6	1.9	2	73	0.49	265
AM1-HO	200 Lz	-														
AM1	225 S	8	18.5	40.6	38.6	36.7	740	0.76	90	239	6.6	1.9	2	3	0.58	255
AM1	225 M	8	22.0	47.4	45.0	42.9	740	0.78	90.5	284	6.6	1.9	2	73	0.66	284
AM1-HO	225 Mx	8*	30.0	64	61	58	740	0.79	91	387	6.6	1.9	2	75	0.75	320
AM1	250 M	8	30.0	64	61	58	740	0.79	91	387	6.6	1.9	2	75	1.1	380
AM1-HO	250 Mx	8*	37.0	78	74	71	740	0.79	91.5	478	6.6	1.9	2	76	1.4	420
AM1-HO	250 My	8*	45.0	94	89	85	740	0.79	92	581	6.6	1.9	2	76	1.8	460
AM1	280 S	8	37.0	78	74	71	740	0.79	91.5	478	6.6	1.9	2	76	1.4	496
AM1	280 M	8	45.0	94	89	85	740	0.79	92	581	6.6	1.9	2	76	1.6	520
AM1-HO	280 Mx	8*	55.0	111	105	100	740	0.81	92.8	710	6.6	1.8	2	82	1.8	550
AM1-HO	280 My	8*	75.0	151	143	137	740	0.81	93	968	6.6	1.8	2	82	2.2	615
AM1	315 S	8	55.0	111	105	100	740	0.81	92.8	710	6.6	1.8	2	82	2.3	815
AM1	315 M	8	75.0	151	143	137	740	0.81	93	968	6.6	1.8	2	82	3	920
AM1	315 L	8	90.0	178	169	161	740	0.82	93.8	1161	6.6	1.8	2	82	3.6	1020
AM1	315 Lx	8	110	217	206	196	740	0.82	94	1420	6.4	1.8	2	82	4.4	1430
AM1	355 M	8	132	261	248	236	740	0.82	93.7	1704	6.4	1.8	2	82	8.5	1570
AM1	355 Mx	8	160	313	297	283	740	0.82	94.2	2065	6.4	1.8	2	82	9.6	1600
AM1	355 My	-														
AM1	355 L	8	180	352	334	318	740	0.82	94.4	2323	6.4	1.8	2	82	10.6	1680
AM1	355 Lx	8	200	388	369	351	740	0.83	94.5	2581	6.4	1.8	2	82	11.6	1720
AM1	355 Ly	8	225	437	415	395	740	0.83	94.6	2904	6.4	1.8	2	82	12.8	1790

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