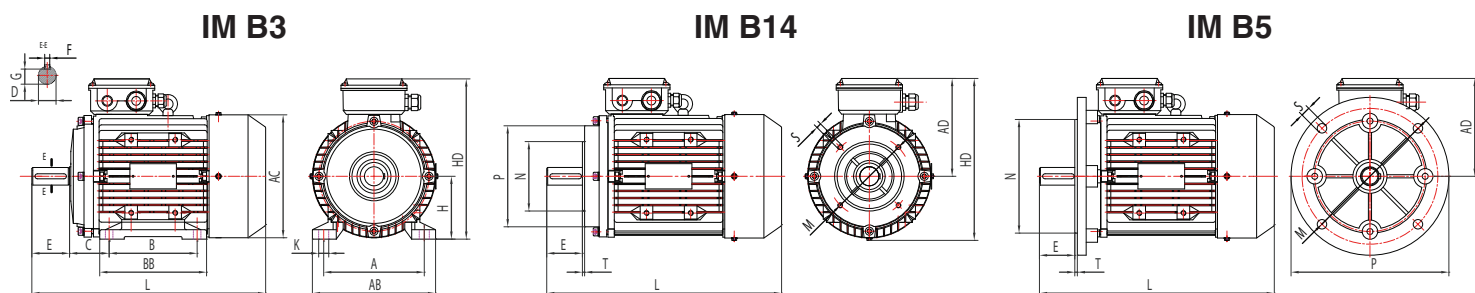


AMAS-R (Cap Run) 1 Phase

AMTECS



Frame size	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	M	N	P	S	T	AB	BB	AC	AD	HD	L
											IM B14					IM B14L					IM B5									
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3.0	125	103	120	122	185	215	89	110	100	156	195
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	138	113	140	135	205	245	103	120	109	172	213
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	159	122	158	145	225	285	104	139	119	189	255
90S	140	100/125*	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	155	175	150	240	330	124	158	135	215	285
90L	140	100/125*	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	155	175	150	240	330	125	175	145	235	308
100L	160	140	63	28	60	8	24	100	215	130	110	160	M8	3.5	100	215	250	15	4	205	176	196	165	265	375	150	175	145	235	329

Aluminium three-phase squirrel cage induction single phase with running capacitor motors according to IEC/DIN, multi-mount design with removable feet, Black plastic ABS terminal boxes house the run capacitor, High running torque $M_s \Rightarrow$ 60-70%, Voltage 220-240V, 50Hz, Insulation class F, Class B Temperature rise, Protection IP55, Colour RAL 5010. NSK Bearing and Cast iron drive end shield frame 100 and above.

Flange motors B5, B14 small and large available on all sizes.

*Feet have mounting holes for both s and L

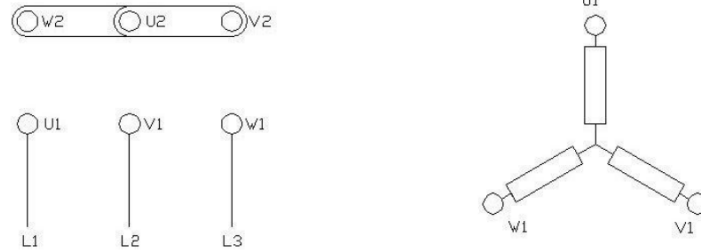
AMAS-R (Cap Run) 2 & 4 Pole

AMTECS

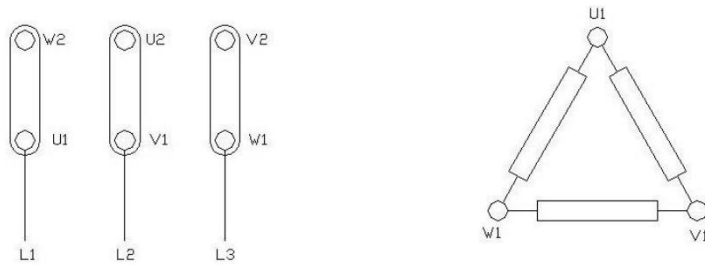
Frame size	Rated output power	Rated current at	Run Capacitor	Full-load speed rpm	Full-load power factor	Full-load efficiency	Full-load torque	Starting current	Starting torque	Pull-out torque	Sound pressure level	Weight foot mounted
	P_N (KW)	230V I_N (A)	$\mu\text{f/V}$	n_n (min^{-1})	$\cos(\varphi)$	100% (η)	M_N	I_s/I_N	M_s/M_N	M_k/M_N	dB(A) 1 meter (no load)	kg
AMAS-R 63K2	0.18	1.48	8 $\mu\text{f}/450\text{V}$	2800	0.92	60	0.63	5	0.40	1.7	70	3.9
AMAS-R 63G2	0.25	1.96	12 $\mu\text{f}/450\text{V}$	2800	0.92	63	0.87	7	0.40	1.7	70	4.4
AMAS-R 71K2	0.37	2.73	16 $\mu\text{f}/450\text{V}$	2800	0.92	67	1.29	10	0.35	1.7	75	6.2
AMAS-R 71G2	0.55	3.88	20 $\mu\text{f}/450\text{V}$	2800	0.92	70	1.95	15	0.35	1.7	75	6.5
AMAS-R 80K2	0.75	5.15	25 $\mu\text{f}/450\text{V}$	2800	0.92	72	2.58	20	0.33	1.7	75	8.3
AMAS-R 80G2	1.10	7.02	30 $\mu\text{f}/450\text{V}$	2800	0.95	75	3.66	30	0.33	1.7	78	11
AMAS-R 90S2	1.50	9.44	40 $\mu\text{f}/450\text{V}$	2800	0.95	76	5.13	45	0.3	1.7	83	15
AMAS-R 90L2	2.20	13.67	60 $\mu\text{f}/450\text{V}$	2800	0.95	77	7.52	65	0.3	1.7	83	17
AMAS-R 63K4	0.12	1.10	10 $\mu\text{f}/450\text{V}$	1400	0.92	55	0.87	3.5	0.4	1.7	65	4
AMAS-R 63G4	0.18	1.62	10 $\mu\text{f}/450\text{V}$	1400	0.92	56	1.27	5	0.4	1.7	65	4.7
AMAS-R 71K4	0.25	2.02	14 $\mu\text{f}/450\text{V}$	1400	0.92	61	1.75	7	0.35	1.7	65	6.3
AMAS-R 71G4	0.37	2.95	20 $\mu\text{f}/450\text{V}$	1400	0.92	62	2.60	10	0.35	1.7	70	7
AMAS-R 80K4	0.55	4.25	25 $\mu\text{f}/450\text{V}$	1400	0.92	64	3.75	15	0.35	1.7	70	9.5
AMAS-R 80G4	0.75	5.45	35 $\mu\text{f}/450\text{V}$	1400	0.92	68	5.11	20	0.32	1.7	70	11.6
AMAS-R 90S4	1.10	7.45	45 $\mu\text{f}/450\text{V}$	1400	0.95	71	7.58	30	0.32	1.7	73	14
AMAS-R 90L4	1.50	9.83	60 $\mu\text{f}/450\text{V}$	1400	0.95	73	10.29	45	0.3	1.7	78	17
AMAS-R 100L4	2.20	11.7	90 $\mu\text{f}/450\text{V}$	1400	0.98	83	15.13	56.7	0.3	1.9	86	23

Connection Diagrams

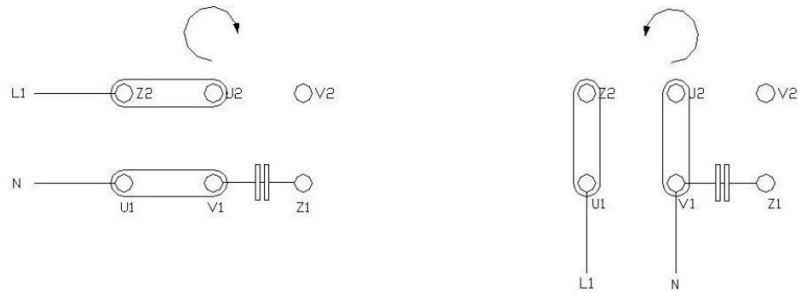
Star



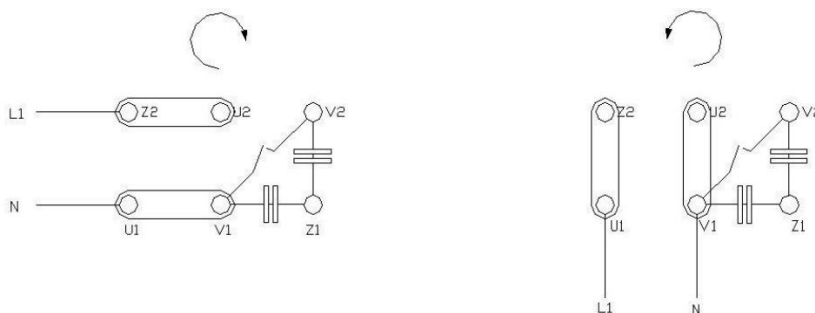
Delta



Single Phase Capacitor Run



Single Phase Capacitor Start / Capacitor Run





B3 - Foot Mounted



B5 - Flange Mounted



B14S - Small Face Mounted



**B3 - Foot Mounted
(Side Terminal Box)**



B35 - Foot and Flange



B34S - Foot and Small Face



B14L - Large Face Mounted



B34L - Foot and Large Face



**V1 - Vertical Flange Mounted
with Rain Canopy**

Note: Other mounting arrangements and special shafts are available by request