

AC Reversible Motor



15 W

K Series
Single Phase
110/220



Motor Specification

Model		Output W	Volt V	Freq Hz	Pole P	Duty 30Min	Rated				Start Torque		Capacitor µf/VAC
Motor	Motor With Gear shaft						Speed r/min	Current A	Torque N.m	kgf.cm	N.m	kgf.cm	
AR70-1515-S4	GR3K15GN-A	15	1ph110	50	4	30Min	1300	0.32	0.11	0.10	0.12	1.15	6.0/250
AR703515-S4	GR3K15GN-C	15	1ph220	50	4	30Min	1300	0.17	0.11	0.10	0.12	1.20	1.5/450

Gearbox

Frequency	Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
			50HZ	Speed	r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12
Allowable Torque	N.m	0.31		0.38	0.53	0.64	0.79	0.95	1.06	1.32	1.59	1.9	1.9	2.37	2.85	3.42	3.81	4.28	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
60HZ	Speed	r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Allowable Torque	N.m	0.29	0.35	0.5	0.6	0.75	0.89	0.99	1.25	1.49	1.79	1.79	2.24	2.68	3.22	3.58	4.02	4.83	4.9	4.9	4.9	4.9	4.9	4.9	4.9

Motor Dimension

Single Phase Connection Diagrams

Gearhead Dimension

Detailed gearhead output shaft dimension
detailed key dimension

	Reduction Ratio	Size	Kg
Gearbox	3GN3K-GN18K	32	0.38
	3GN20K-GN50K	42	0.47
	3GN60K-GN200K	42	0.52
Motor			1.5

Compacitor

Capacity µf	Voltage	L±1	W±1	H±1	Type
Allowable Deviation ±5%					
1.5	450	37	14	28	Down-Lead
6	250	47	26	38	

