

## 15 W

**K Series**  
Single Phase  
110/220



### Motor Specification

Model		Output	Volt	Freq	Pole	Duty	Rated				Start Torque		Capacitor
Motor	Motor With Gear shaft						Speed	Current	Torque		N.m	kgf.cm	
		W	V	Hz	P		r/min	A	N.m	kgf.cm	N.m	kgf.cm	µf/VAC
AI70-1515-S4	GI3K15GN-A	15	1ph110	50	4	CONT	1300	0.30	0.11	1.10	0.09	0.09	5.0/250
AI703515-S4	GI3K15GN-C	15	1ph220	50	4	CONT	1300	0.14	0.11	1.10	0.10	0.95	1.2/450
AI703515-S2		15	1ph220	50	2	CONT	2750	0.17	0.06	0.55	0.55	0.75	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	10	8	7.5
	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
	Torque	kgf.cm	3	3.6	5.1	6.1	7.6	9.1	10.1	12.7	15.2	18.2	18.2	22.8	27.3	32.8	36.5	41	49.2	50	50	50	50	50	50	50

### Motor Dimension

**Single Phase Connection Diagrams**

### Gearhead Dimension

**Detailed gearbox 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			1.04

### Compacitor

Capacity µf	Voltage	L±1	W±1	H±1	Type
1.2	450	37	14	28	Down-Lead
1.5	450	37	14	28	
1	250	47	22	34	