

6 W

K Series
Single Phase
110/220



Motor Specification

Motor	Model	Output W	Volt V	Freq Hz	Pole P	Duty	Rated				Start Torque		Capacitor µf/VAC
							Speed r/min	Current A	Torque N.m	kgf.cm	N.m	kgf.cm	
Al60-156S4	GI2K6GN-A	6	1ph110	50	4	CONT	1250	0.20	0.05	0.45	0.06	1.80	3.0/250
Al60-356S4	GI2K6GN-C	6	1ph220	50	4	CONT	1250	0.10	0.05	0.45	0.07	1.80	0.8/450
Al60-356S2		6	1ph220	50	2	CONT	2700	0.11	0.02	0.21	0.04	1.88	0.8/450

Gearbox

Frequency	Ratio	Gearbox Ratios																								
		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	0.13	0.15	0.21	0.21	0.32	0.38	0.42	0.53	0.63	0.76	0.76	0.95	1.14	1.36	1.52	1.72	2.06	2.57	2.94	2.94	2.94	2.94	2.94	2.94
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	0.10	0.13	0.13	0.17	0.26	0.30	0.34	0.43	0.51	0.62	0.62	0.76	0.92	1.11	1.24	1.39	1.67	2.09	2.50	2.78	2.94	2.94	2.94	2.94
		kgf.cm	1.0	1.3	1.7	2.1	2.6	3.1	3.5	4.4	5.2	6.3	6.3	7.8	9.4	11.3	12.6	14.2	17.0	21.3	25.5	28.4	30	30	30	30

Motor Dimension

Single Phase Connection Diagrams

Gearhead Dimension

Detailed gearbox output shaft dimension

	Reduction Ratio	Size	Kg
Gearbox	2GN3K-GN18K	32	0.24
	2GN20K-GN50K	42	0.3
	2GN60K-GN200K	42	0.33
Motor			0.7

Compacitor

Capacity µf	Voltage	L±1	W±1	H±1	Type
Allowable Deviation ±5%					
0.8	450	37	14	28	Down-Lead
3	250	47	22	34	