

K Series

120 W

Speed Adjusted Motor



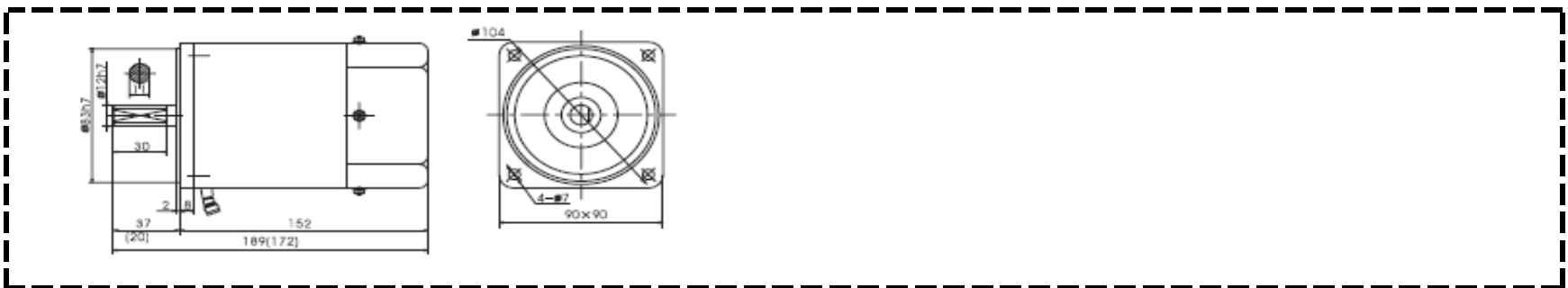
Motor Specification

Motor	Model	Output	Volt	Freq Pole		Duty	RPM	Allowable Torque				Start Torque		Capacitor
				Motor With Gear shaft	W			V	Hz	P	rpm	1200r/min		
AI90-15120S4-RF	GI5K120RGU-AF	120	1ph110	50	4	CONT	90~1350	0.75	7.50	0.40	4.00	0.55	5.50	25.0/250
AI90-35120S4-RF	GI5K120RGU-CF	120	1ph220	50	4	CONT	90~1350	0.75	7.50	0.40	4.00	0.65	6.50	7.0/450

Gearbox

Frequency	Reduction 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	2.14	2.57	3.57	4.29	5.38	6.43	6.43	8.05	9.66	11.6	11.6	14.6	17.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
kgf.cm		21.8	26.2	36.4	43.8	54.7	65.6	65.6	82.1	98.6	118	118	149	196	200	200	200	200	200	200	200	200	200	200	200	
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	1.8	2.16	3	3.6	4.49	5.39	5.39	6.75	8.1	9.72	9.72	12.2	14.6	17.6	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
kgf.cm		18.4	22	30.6	36.7	45.8	55	55	68.9	82.7	99.2	99.2	124	149	180	199	200	200	200	200	200	200	200	200	200	

Motor Dimension



Gearhead Dimension

	Reduction Ratio	Size	Kg
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K	65	1.3
	5GU20K-GU75K	65	1.4
	5GU90K-GU200K	65	1.45
Motor			3.2

Compacitor

Capacity μf	Voltage	L±1	W±1	H±1	Type
Allowable Deviation ±5%					
7	450	47	26	38	Down-Lead
25	250	68	32	56	