AC Induction Motor

K Series

90 W

Speed Adjusted Motor

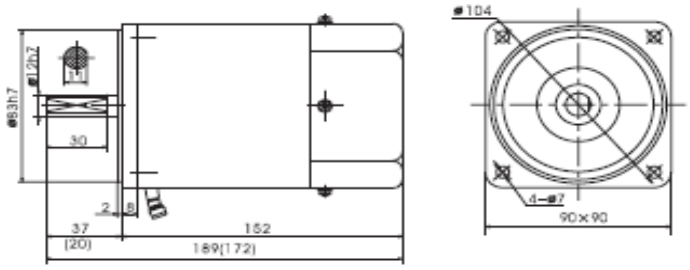
Motor Specification

Model		Output	Volt	Freq	Pole	Duty	RPM	Allowable Torque				Start Torque		Capacitor
Motor	Motor With Gear shaft							1200r/min		90r/min				
		W	V	Hz	P		rpm	N.m	kgf.cm	N.m	kgf.cm	N.m	kgf.cm	μf/VAC
AI90-1590S4-RF	GI5K90RGU-AF	90	1ph110	50	4	CONT	90~1350	0.71	7.10	0.23	2.30	0.48	4.80	20.0/250
AI90-3590S4-RF	GI5K90RGU-CF	90	1ph220	50	4	CONT	90~1350	0.71	7.10	0.23	2.30	0.45	4.50	5.0/450

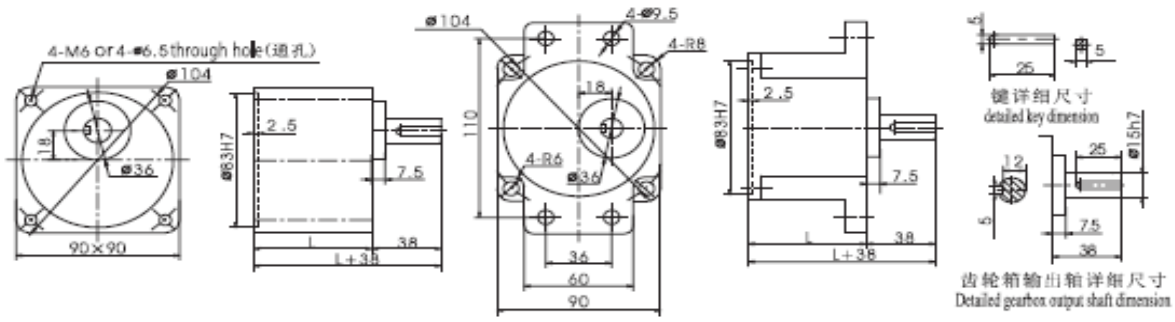
Gearbox

Frequency	Reduction 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	1.55	1.86	2.58	3.1	3.87	4.64	4.65	5.81	6.98	8.37	8.4	10.5	12.6	15.1	16.8	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
		kgf.cm	15.8	19	29.2	31.6	39.6	47.2	47.4	59.3	71.2	85.4	85.7	107	129	154	171	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	1.35	1.62	2.25	2.7	3.37	4.04	4.05	5.06	6.07	7.29	7.32	9.15	11	13.2	14.6	18.3	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
		kgf.cm	13.8	16.5	23	27.6	34.4	41.2	41.3	51.6	61.9	74.4	74.7	93.4	112	135	149	187	200	200	200	200	200	200	200	200

Motor Dimension

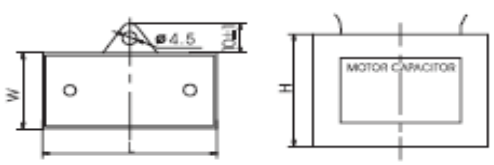


Gearhead Dimension



	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					
Allowable Deviation ±5%	Voltage	L±1	W±1	H±1	Type
5	450	47	22	34	
20	250	68	32	56	
					Down-Lead

TELCO Motion™ POWERING YOUR DESIGN

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