AC Induction Motor

40 W

K Series

Speed Adjusted Motor

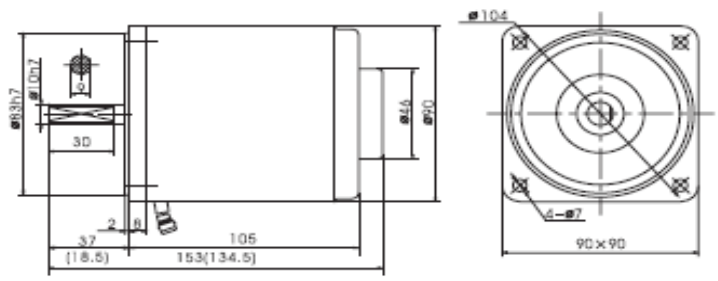
Motor Specification

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
AI90-1540S4-R	GI5K40RGN-A	40	1ph110	50	4	CONT	90~1350	0.30	3.00	0.06	0.60	0.19	1.90	10.0/250
AI90-3540S4-R	GI5K40RGN-C	40	1ph220	50	4	CONT	90~1350	0.30	3.00	0.06	0.60	0.19	1.90	2.5/450
AR90-1540S4-R	GR5K40RGN-A	40	1ph110	50	4	30Min	90~1350	0.32	3.20	0.07	0.65	0.21	2.10	12.0/250
AR90-3540S4-R	GR5K40RGN-C	40	1ph220	50	4	30Min	90~1350	0.32	3.20	0.07	0.65	0.21	2.10	3.0/450

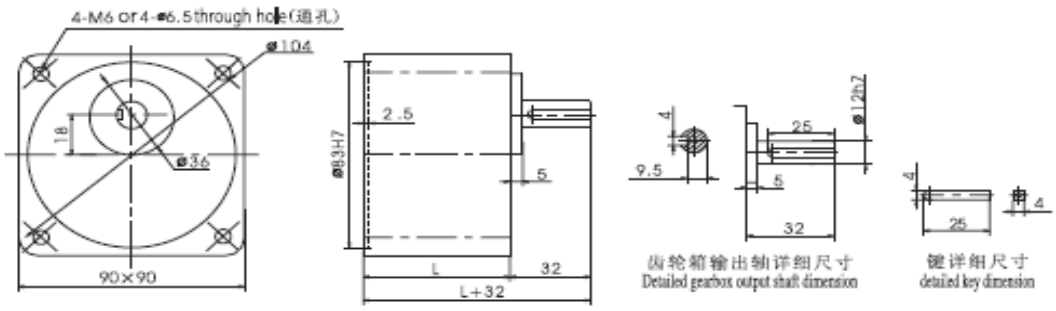
Gearbox

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	0.68	0.82	1.14	1.37	1.72	2.06	2.29	2.86	3.43	4.13	4.59	5.16	6.2	7.44	8.26	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
		kgf.cm	6.94	8.37	11.6	14	17.6	21	23.4	29.2	35	42.1	46.8	52.6	63.3	75.9	84.3	100	100	100	100	100	100	100	100	100
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	0.58	0.7	0.97	1.16	1.45	1.74	1.93	2.41	2.9	3.48	3.87	4.36	5.23	6.28	6.97	8.72	9.45	9.8	9.8	9.8	9.8	9.8	9.8	9.8
		kgf.cm	5.92	7.14	9.9	11.8	10.8	17.7	19.7	24.6	29.6	35.5	39.5	44.5	53.4	64.1	71.1	89	96.5	100	100	100	100	100	100	100

Motor Dimension

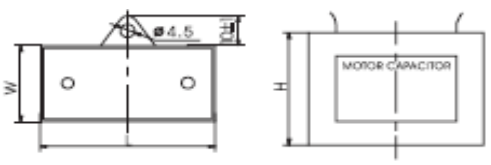


Gearhead Dimension



	Reduction Ratio	Size	Kg
Gearbox	5GN3K-GN18K	42	0.73
	5GN20K-GN36K	60	1.03
	5GN40K-GN200K	60	1.13
Motor			2.5

Compacitor



Capacity μf / Allowable Deviation ±5%	Voltage	L±1	W±1	H±1	Type
2.5	450	37	18	28	
3	450	47	22	34	
10	250	57	26	38	
12	250	57	32	36	Down-Lead

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9812 Whithorn Dr., Houston, TX 77095, Phone: 281.855.2218, Fax: 281.859.8825, Email: motors@telcointercon.com