



AC Speed Control Motor 120W

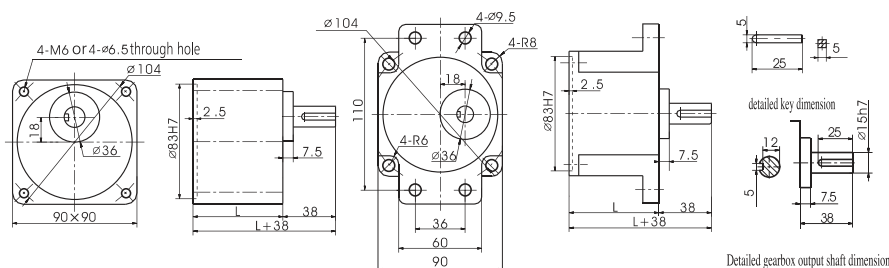


List of Motor Characteristics

Model of Motor		Output W	Voltage V	Frequency Hz	Poles P	Duty	RPM r/min	Allowable Torque				Starting Torque		Capacitor/Ve μF/VAC
Motor	Motor with gear shaft							1200r/min		90r/min		N.m	kgf.cm	
5IK120A-AF	5IK120RGU-AF	120	1ph110	50	4	CONT	90~1350	0.75	7.50	0.40	4.00	0.55	5.50	25.0/250
5IK120A-CF	5IK120RGU-CF	120	1ph220	50	4	CONT	90~1350	0.75	7.50	0.40	4.00	0.65	6.50	7.0/450

•The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. •Wrong capacitor capacitance is the cause of trouble. You must confirm a correct voltage and select a correct model when your purchase order is placed.

Overall Dimension of Gearbox



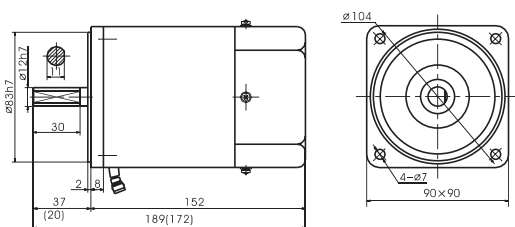
	Reduction Ratio	L(mm)	Weight (kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45
Motor			3.20

Allowable Torque on Gearbox

Model of Gearbox: 5GU □ K

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
50Hz	Output Shaft 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
	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
		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
60Hz	Output Shaft 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
	Allowable Torque	N.m	1.80	2.16	3.00	3.60	4.49	5.39	5.39	6.75	8.10	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
		kgf.cm	18.4	22.0	30.6	36.7	45.8	55.0	55.0	68.9	82.7	99.2	99.2	124	149	180	199	200	200	200	200	200	200	200

Motor Overall Dimension



•The value in the () is the value of small gear shaft motor.

Model of Gearbox: 5GU □ K

Frequency	Reduction Ratio		180	200
50Hz	Output Shaft Speed	r/min	8	7.5
	Allowable Torque	N.m	19.6	19.6
		kgf.cm	200	200
60Hz	Output Shaft Speed	r/min	10	9
	Allowable Torque	N.m	19.6	19.6
		kgf.cm	200	200