

	Reduction Ratio	(mm)	(kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45
	5GU300K-GU500K		
Motor			3.43

### LIST OF MOTOR CHARACTERISTICS

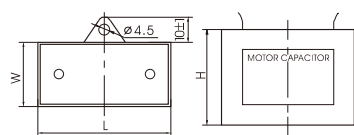
Model of Motor		Output	Voltage	Frequency	Poles	Duty	Speed	Current	Torque		Starting Torque		Capacitor/Ve
Motor	Motor with gear shaft	W	V	Hz	P		r/min	A	N.m	kgf.cm	N.m	kgf.cm	$\mu$ F/VAC
5IK120A-AF	5IK120GU-AF	120	1ph110	50	4	CONT	1250	1.80	0.90	9.00	0.65	6.50	20.0/250
5IK120A-CF	5IK120GU-CF	120	1ph220	50	4	CONT	1300	0.82	0.87	8.65	0.75	7.50	7.0/500
5IK120A-SF	5IK120GU-SF	120	3ph220	50	4	CONT	1300	0.83	0.87	8.65	3.20	32.00	/
5IK120A-SfF	5IK120GU-SfF	120	3ph380	50	4	CONT	1300	0.40	0.87	8.65	3.20	32.00	/
5IK120A-DF		120	1ph220	50	2	CONT	2800	1.20	0.40	4.00	0.51	5.05	8.0/500

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.

### ALLOWABLE TORQUE ON GEARBOX

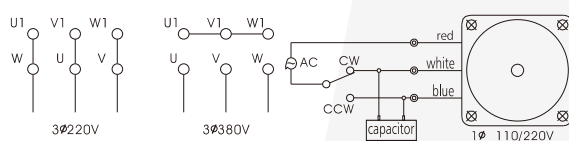
Frequency	Reduction Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150
50Hz	Output Shaft Speed	r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10
	Allowable Torque	N.m	2.14	2.57	3.57	4.29	5.38	6.43	6.43	8.05	9.66	11.6	11.6	14.6	17.5	19.6	19.6	19.6	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	

### CAPACITOR



capacity $\mu$ F	Voltage	L $\pm$ 1	W $\pm$ 1	H $\pm$ 1	Type
Allowable Deviation $\pm$ 5%	V	mm	mm	mm	
7.0	500	47	23	36	Down-lead
8.0	500	47	26	39	
20.0	250	58	23	39	

### WIRING DIAGRAM



Frequency	Reduction Ratio		180	200	300	500
50Hz	Output Shaft Speed	r/min	8	7.5	5	3
	Allowable Torque	N.m	19.6	19.6	19.6	19.6
kgf.cm		200	200	200	200	
60Hz	Output Shaft Speed	r/min	10	9	6	3.6
	Allowable Torque	N.m	19.6	19.6	19.6	19.6
kgf.cm		200	200	200	200	