

	Reduction Ratio	(mm)	(kg)
Gearbox	5GN3K-GN15K	42	0.73
	5GN18K-GN36K	60	1.03
	5GN40K-GN200K		1.13
Motor			2.69

*THE VALUE IN THE () IS THE VALUE OF SMALL SHAFT MOTOR

LIST OF MOTOR CHARACTERISTICS

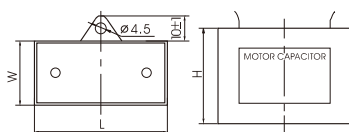
Model of Motor		Output	Voltage	Frequency	Poles	Duty	Speed	Current	Torque		Starting Torque		Capacitor/Ve
Motor	Motor with gear shaft	W	V	Hz	P		r/min	A	N.m	kgf.cm	N.m	kgf.cm	µF/VAC
5IK60A-AF	5IK60GN-AF	60	1ph110	50	4	CONT	1350	0.98	0.44	4.40	0.38	3.75	15.0/250
5IK60A-CF	5IK60GN-CF	60	1ph220	50	4	CONT	1350	0.52	0.44	4.40	0.40	4.00	4.0/500
5IK60A-SF	5IK60GN-SF	60	3ph220	50	4	CONT	1350	0.49	0.46	4.55	1.70	17.0	/
5IK60A-S ₃ F	5IK60GN-S ₃ F	60	3ph380	50	4	CONT	1350	0.28	0.46	4.55	1.70	17.0	/
5IK60A-DF		60	1ph220	50	2	CONT	2750	0.56	0.21	2.10	0.25	2.50	4.0/500

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

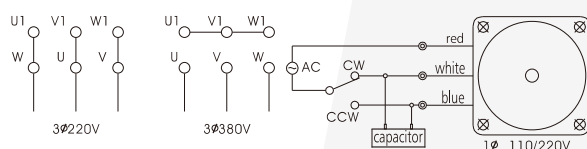
Frequency	Reduction Ratio		Torque Values																					
			3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150
50Hz	Output Shaft Speed	r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10
		Allowable Torque	N.m	1.03	1.24	1.72	2.6	2.58	3.10	3.10	3.88	4.65	5.38	5.60	7.01	8.41	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80
	kgf.cm		10.5	12.7	17.6	21.0	26.3	31.6	31.6	39.6	47.4	54.9	57.1	71.6	85.8	100	100	100	100	100	100	100	100	100
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	0.9	1.08	1.50	1.80	2.23	2.70	2.70	3.38	4.05	4.88	4.88	6.10	7.33	8.97	9.80	9.80	9.80	9.80	9.80	9.80	9.80
	kgf.cm		9.18	11.0	15.3	18.4	23.0	27.6	27.6	34.5	41.3	49.5	49.5	62.2	74.7	90.0	100	100	100	100	100	100	100	100

CAPACITOR



capacity µF	Voltage	L±1	W±1	H±1	Type
Allowable Deviation±5%	V	mm	mm	mm	
4.0	500	49	21	29	
15.0	250	58	25	45	Down-lead

WIRING DIAGRAM



Frequency	Reduction Ratio		Torque Values			
			180	200	300	500
50Hz	Output Shaft Speed	r/min	8	7.5	5	3
		Allowable Torque	N.m	9.80	9.80	9.80
	kgf.cm		100	100	100	100
60Hz	Output Shaft Speed	r/min	10	9	6	3.6
		Allowable Torque	N.m	9.80	9.80	9.80
	kgf.cm		100	100	100	100