



Brake Motor 40W

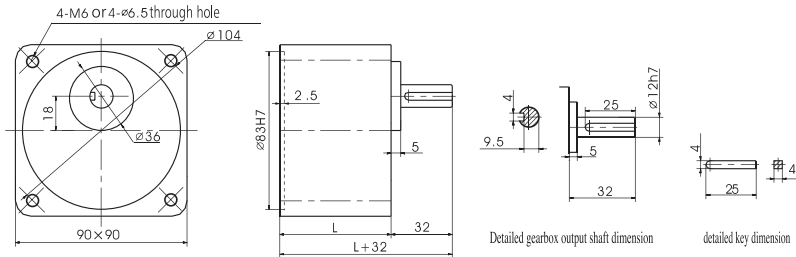


List of Motor Characteristics

Model of Motor		Output W	Voltage V	Frequency Hz	Poles P	Duty	Rated			Starting Torque		Capacitor/Ve μF/VAC	
Motor	Motor with gear shaft						Speed r/min	Current A	Torque N.m kgf.cm		N.m		kgf.cm
5RK40A-AM	5RK40GN-AM	40	1ph110	50	4	30Min	1350	0.68	0.29	2.85	0.30	3.00	12.0/250
5RK40A-CM	5RK40GN-CM	40	1ph220	50	4	30Min	1350	0.35	0.29	2.85	0.30	3.00	3.0/450
5RK40A-SM	5RK40GN-SM	40	3ph220	50	4	30Min	1350	0.38	0.29	2.90	1.15	11.5	/
5RK40A-S3M	5RK40GN-S3M	40	3ph380	50	4	30Min	1350	0.22	0.29	2.90	1.15	11.5	/

●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



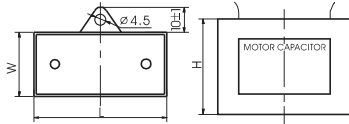
	Reduction Ratio	L(mm)	Weight (kg)
Gearbox	5GN3K-GN18K	42	0.73
	5GN20K-GN36K	60	1.03
	5GN40K-GN200K		1.13
Motor			2.50

Allowable Torque on Gearbox

Model of Gearbox: 5GN □ 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
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	6.20	7.44	8.26	9.80	9.80	9.80	9.80	9.80	9.80
		Allowable Torque	kgf.cm	6.94	8.37	11.6	14.0	17.6	21.0	23.4	29.2	35.0	42.1	46.8	52.6	63.3	75.9	84.3	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
	Allowable Torque	N.m		0.58	0.70	0.97	1.16	1.45	1.74	1.93	2.41	2.90	3.48	3.87	4.36	5.23	6.28	6.97	8.72	9.46	9.80	9.80	9.80	9.80
		Allowable Torque	kgf.cm	5.92	7.14	9.90	11.8	10.8	17.7	19.7	24.6	29.6	35.5	39.5	44.5	53.4	64.1	71.1	89.0	96.5	100	100	100	100

Capacitor

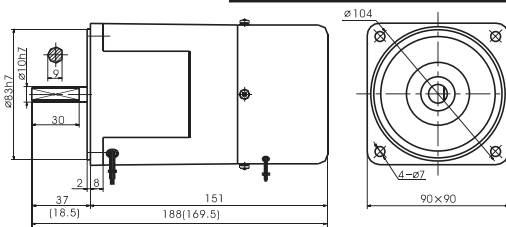
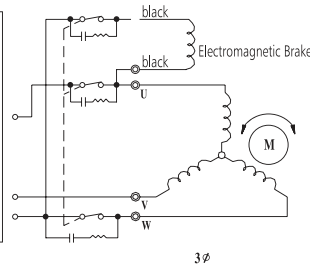
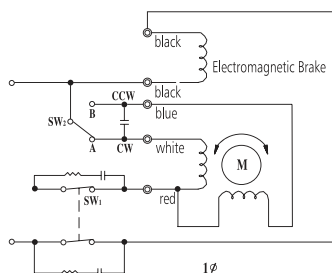


capacity μF	Voltage V	L± 1	W± 1	H± 1	Type
		mm	mm	mm	
3.0	450	47	22	34	Down-lead
12.0	250	57	32	46	

Model of Gearbox: 5GN □ K

Frequency	Reduction Ratio		180	200	
			50Hz	Output Shaft Speed	r/min
Allowable Torque	N.m	9.80			9.80
			Allowable Torque	kgf.cm	100
60Hz	Output Shaft Speed	r/min	10	9	
		Allowable Torque	N.m	9.80	9.80
			Allowable Torque	kgf.cm	100

Wiring Diagram



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