

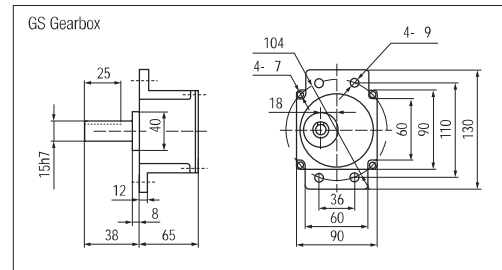
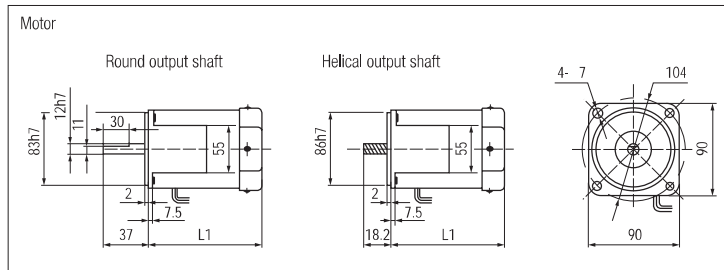
Micro AC Gear Motor

5RK AC Gear Motor (90W~120W)(90mm)

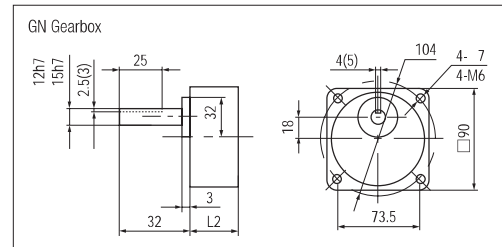
Motor Characteristics Table

Motor type	Motor model		Power output (W)	Frequency (Hz)	Voltage (V)	Current (A)	Starting torque (g.cm)	Rating		Starting capacitance		Gear model no.	
	Round shaft	Helical shaft						Torque (g.cm)	Speed (rpm)	Capacity (μF)	Withstand voltage (V)	Bearing	Intermediate gear
Reversible motor	5RK90A-A	5RK90GN-A	90	50	110	2.0	6400	6750	1300	25	250	5GN-K	5GM10X
				60	110	1.80	5400	5650	1550	20			
	5RK90A-C	5RK90GN-C	90	50	220	1.0	6400	6750	1300	6.0	500	5GN-K	5GM10X
				60	220	0.90	5400	5650	1550	5.0			
	5RK120A-A	5RK120GN-A	120	50	110	2.40	8500	9000	1300	35	250	5GN-K	5GM10X
				60	110	2.20	7200	7550	1550	30			
	5RK120A-C	5RK120GN-C	120	50	220	1.20	8500	9000	1300	8.0	500	5GN-K	5GM10X
				60	220	1.10	7200	7550	1550	7.0			

Outline Dimension



Model no.	Reduction ratio	L1(mm)	L2(mm)
5IK(RK)90A(GN)	1:3~1:20	140	43
5IK(RK)120A(GN)		140	43
5IK(RK)90A(GN)	1:25~1:180	140	61
5IK(RK)120A(GN)		140	61



Torque Table (Kg-cm)

(kg-cm×9.8÷100)=N·m

Synchronous speed: r/min		300	200	150	120	100	75	60	50	30	20	15	10	7.5	6	5	3
Reduction ratio	50Hz	5	7.5	10	12.5	15	20	25	30	50	75	100	150	200	250	300	500
	60Hz	6	9		15	18		30	36	60	90	120	180		300	360	600
Allowable load	90W kg-cm	23	35	46	58	69	92	110	133	200	200	200	200	200	200	200	200
	120W kg-cm	30.7	46	61	77	92	123	147	177	200	200	200	200	200	200	200	200

The figures listed in the table are based on the speed of synchronous operation of the motor; and the actual output speed under the rated load is 80% to 90% of the operation under synchronous speed. Light gray indicates the direction of output shaft is same with motor. White indicates the direction of output shaft is contrary to motor.