

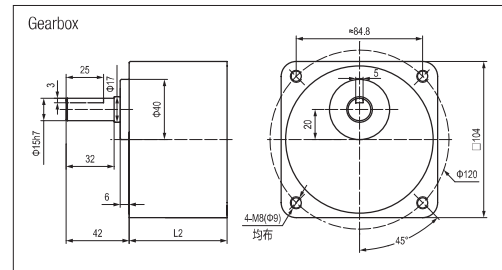
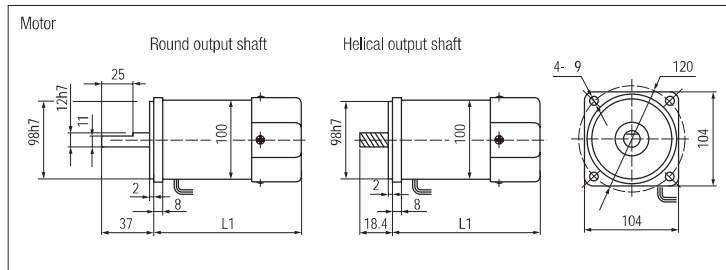
Micro AC Gear Motor

6RK AC Gear Motor (120W~140W)(100mm)

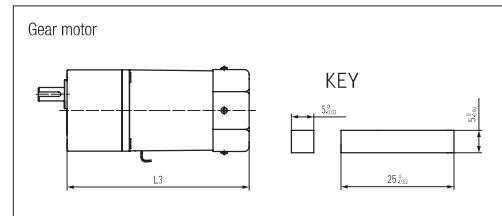
Motor Characteristics Table

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	6RK120A-A	6RK120GU-A	120	50	110	2.40	9500	9000	1300	35	250	6GU-K	6GM10X
				60	110	2.20	7900	7550	1550	30			
	6RK120A-C	6RK120GU-C	120	50	220	1.20	9500	9000	1300	8	500	6GU-K	6GM10X
				60	220	1.10	7900	7550	1550	7			
	6RK140A-A	6RK140GU-A	140	50	110	2.80	11000	10500	1300	40	250	6GU-K	6GM10X
				60	110	2.60	9300	8800	1550	30			
	6RK140A-C	6RK140GU-C	140	50	220	1.40	11000	10500	1300	10	500	6GU-K	6GM10X
				60	220	1.30	9300	8800	1550	8			

Outline Dimension



Model no.	Reduction ratio	L1 (mm)	L2 (mm)	L3 (mm)	h (mm)
6IK(RK)120A(GU)	1:3~1:300	142	65	207	10
6IK(RK)140A(GU)	1:3~1:300	142	65	207	10



Torque Table (Kg-cm)

(kg-cm×9.8÷100)=N·m

Synchronous speed: r/min		500	300	200	150	120	100	75	60	50	30	20	15	10	7.5	6	5	3
Reduction ratio	50Hz	3	5	7.5	10	12.5	15	20	25	30	50	75	100	150	200	250	300	500
	60Hz	3.6	6	9		15	18		30	36	60	90	120	180		300	360	600
Allowable load	120W	kg-cm	18.7	30.7	46	61	77	92	123	147	177	295	450	450	450	450	450	450
	140W	kg-cm	22	36	53.5	71	90	107	143.5	171.5	206	340	450	450	450	450	450	450

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.