

MICRO AC MOTOR

6W

□60×60mm

MOTOR PERFORMANCE

MODEL	(W) MAXIMUM OUTPUT POWER	V	Hz	A	r/min SPEED RANGE	N·mm START TORQUE	(N·mm) RATED TORQUE		RUNNING CAPACITOR		
							1200r/min	90r/min			
GEAR 60YS06GV11 SHAFT 60YT06GV11	6	Single phase	50Hz	0.23	90-1300	38	47	30	2.5μf/250V		
GEAR 60YS06DV11 SHAFT 60YT06DV11							110	60Hz		0.21	90-1600
GEAR 60YS06GV22 SHAFT 60YT06GV22		6	Single phase	50Hz	0.11	90-1300	38	47		32	0.8μf/450V
GEAR 60YS06DV22 SHAFT 60YT06DV22								220		60Hz	

*Although the speed range of the motor is 50Hz, 90~1300r/min, 60Hz, 90~1600r/min, it easily causes overload and the cooling effect of the motor fan is poor if the speed is too low (<400r/min) and the motor torque decreases too much; therefore, please keep sufficient power margin and avoid operating in low speed section frequently. The optimal speed range of the motor is 50Hz, 400~1300r/min, 60Hz, 400~1600r/min.

*When the power is cut off, the motor will stop immediately and hold the load.

REDUCTION RATIO PERFORMANCE CHART

REDUCTION RATIO	3	3.6	5	6	7.5	10	12.5	15	18	20	25	30
50Hz r/min Output bearing speed	433	361	260	217	173	130	104	87	72	65	52	43
N·m Rated torque	0.13	0.15	0.22	0.26	0.33	0.44	0.55	0.66	0.79	0.88	1.10	1.32
60Hz r/min Output bearing speed	533	444	320	267	213	160	128	107	89	80	64	53
N·m Rated torque	0.11	0.13	0.18	0.22	0.28	0.37	0.46	0.55	0.66	0.73	0.92	1.10
REDUCTION RATIO	36	40	50	60	75	90	100	120	150	180	200	
50Hz r/min Output bearing speed	36	33	26	22	17	14	13	11	9	7	7	
N·m Rated torque	1.59	1.76	2.06	2.18	2.42	3	3	3	3	3	3	
60Hz r/min Output bearing speed	44	40	32	27	21	18	16	13	11	9	8	
N·m Rated torque	1.33	1.47	1.71	1.82	2.02	2.42	2.65	3	3	3	3	

*The speed in the table is the value of average motor speed (50Hz: 1300r/min, 60Hz: 1600r/min) divided by the reduction ratio.

*The actual speed changes according to the load (±8%).



STANDARD GEARBOX
60GK □H

1:3~200
□ in gearbox model
indicates the reduction
ratio (1:3~200)