

15W

□70×70mm

MOTOR PERFORMANCE

MODEL	(W) MAXIMUM OUTPUT POWER	V VOLTAGE	Hz FREQUENCY	A CURRENT	r/min SPEED RANGE	N·mm START TORQUE	(N·mm) RATED TORQUE		RUNNING CAPACITOR
							1200r/min	90r/min	
GEAR 70YS15GV11 SHAFT 70YR15GV11 SHAFT 70YT15GV11 SHAFT 70YB15GV11	15	Single phase	50Hz	0.39	90-1300	70	125	45	4μf/250V
ROUND 70YS15DV11 SHAFT 70YR15DV11 SHAFT 70YT15DV11 SHAFT 70YB15DV11			110	60Hz	0.35	90-1600	65	125	
GEAR 70YS15GV22 SHAFT 70YR15GV22 SHAFT 70YT15GV22 SHAFT 70YB15GV22	15	Single phase	50Hz	0.20	90-1300	70	125	40	1.5μf/450V
ROUND 70YS15DV22 SHAFT 70YR15DV22 SHAFT 70YT15DV22 SHAFT 70YB15DV22			220	60Hz	0.17	90-1600	65	125	

*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	0.30	0.36	0.50	0.60	0.74	0.99	1.24	1.49	1.79	1.98	2.31	2.78
60Hz	r/min Output bearing speed	533	444	320	267	213	160	128	107	89	80	64	53
	N·m Rated torque	0.25	0.30	0.41	0.50	0.62	0.83	1.03	1.24	1.49	1.65	1.93	2.31
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	3.33	3.70	4.63	5	5	5	5	5	5	5	5	
60Hz	r/min Output bearing speed	44	40	32	27	21	18	16	13	11	9	8	
	N·m Rated torque	2.78	3.09	3.86	4.35	5	5	5	5	5	5	5	

*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
70GK □H

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