

# 25W

□80×80mm

## 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 80YS25GV11 SHAFT 80YR25GV11 80YT25GV11 80YB25GV11	25	Single phase	50Hz	0.53	90-1300	145	170	45	6μf/250V
ROUND 80YS25DV11 SHAFT 80YR25DV11 80YT25DV11 80YB25DV11									
GEAR 80YS25GV22 SHAFT 80YR25GV22 80YT25GV22 80YB25GV22	25	Single phase	50Hz	0.25	90-1300	145	205	50	2μf/450V
ROUND 80YS25DV22 SHAFT 80YR25DV22 80YT25DV22 80YB25DV22									
GEAR 80YS25GY22 SHAFT 80YT25GY22 80YB25GY22	25	Three phase	50Hz	0.25	90-1300	250	195		
ROUND 80YS25DY22 SHAFT 80YT25DY22 80YB25DY22									
GEAR 80YS25GY38 SHAFT 80YT25GY38 80YB25GY38	25	Three phase	50Hz	0.14	90-1300	250	195		
ROUND 80YS25DY38 SHAFT 80YT25DY38 80YB25DY38									

\*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	0.50	0.60	0.83	0.99	1.24	1.65	1.95	2.34	2.81	3.12	3.90	4.68
60Hz	r/min Output bearing speed	533	444	320	267	213	160	128	107	89	80	64	53
	N·m Rated torque	0.41	0.50	0.69	0.83	1.03	1.38	1.63	1.95	2.34	2.60	3.25	3.90
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	5.62	6.24	6.89	8	8	8	8	8	8	8	8	
60Hz	r/min Output bearing speed	44	40	32	27	21	18	16	13	11	9	8	
	N·m Rated torque	4.68	5.20	5.74	6.88	8	8	8	8	8	8	8	

\*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  
80GK □H



RIGHT ANGLE HOLLOW GEARBOX  
L80GK □RC



RIGHT ANGLE SOLID GEARBOX  
L80GK □RT

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