

140W 200W

□100×100mm

MOTOR PERFORMANCE

MODEL	(W) MAXIMUM OUTPUT POWER	V	Hz	A	r/min	N·mm START TORQUE	(N·mm) RATED TORQUE		RUNNING CAPACITOR							
							1200r/min	90r/min								
GEAR SHAFT 100YS140GV11 100YT140GV11 100YB140GV11	140	Single phase	50Hz	2.26	90-1300	840	1050	350	28μf/250V							
										110	60Hz	2.10	90-1600	680	1050	350
GEAR SHAFT 100YS140GV22 100YT140GV22 100YB140GV22	140	Single phase	50Hz	1.13	90-1300	840	1050	350	8μf/450V							
										220	60Hz	1.05	90-1600	680	1050	350
GEAR SHAFT 100YS140GY22 100YB140GY22	140	Three phase	50Hz	0.95	90-1300	1393	1078									
			ROUND SHAFT 100YS140DY22 100YB140DY22	220	60Hz	0.88	90-1600	1183	875							
GEAR SHAFT 100YS140GY38 100YB140GY38	140	Three phase	50Hz	0.55	90-1300	1393	1078									
			ROUND SHAFT 100YS140DY38 100YB140DY38	380	60Hz	0.48	90-1600	1183	875							
GEAR SHAFT 100YS200GV11 100YT200GV11 100YB200GV11	200	Single phase	50Hz	3.38	90-1300	1150	1650	32μf/250V								
										110	60Hz	3.08	90-1600	930	1330	
																ROUND SHAFT 100YS200DV11 100YT200DV11 100YB200DV11 100YF200DV11
GEAR SHAFT 100YS200GV22 100YT200GV22 100YB200GV22	200	Single phase	50Hz	1.69	90-1300	1150	1650	10μf/450V								
										220	60Hz	1.54	90-1600	930	1330	
																ROUND SHAFT 100YS200DV22 100YT200DV22 100YB200DV22 100YF200DV22
GEAR SHAFT 100YS200GY22 100YB200GY22	200	Three phase	50Hz	1.82	90-1300	1990	1540									
			ROUND SHAFT 100YS200DY22 100YB200DY22	220	60Hz	1.64	90-1600	1690	1250							
GEAR SHAFT 100YS200GY38 100YB200GY38	200	Three phase	50Hz	1.05	90-1300	1990	1540									
			ROUND SHAFT 100YS200DY38 100YB200DY38	380	60Hz	0.95	90-1600	1690	1250							

*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
140W	50Hz	r/min Output bearing speed	433	361	260	217	173	130	104	87	72	65	52	43
		N·m Rated torque	2.62	3.15	4.37	5.25	6.56	7.51	9.38	11.26	13.51	15.02	18.77	21.91
	60Hz	r/min Output bearing speed	533	444	320	267	213	160	128	107	89	80	64	53
		N·m Rated torque	2.19	2.62	3.64	4.37	5.46	6.26	7.82	9.38	11.26	12.51	15.64	18.26
200W	50Hz	r/min Output bearing speed	433	361	260	217	173	130	104	87	72	65	52	43
		N·m Rated torque	3.44	4.13	5.73	6.88	8.60	11.46	14.33	17.19	18.51	20.57	25.71	30.85
	60Hz	r/min Output bearing speed	533	444	320	267	213	160	128	107	89	80	64	53
		N·m Rated torque	2.87	3.44	4.78	5.73	7.16	9.55	11.94	14.33	15.43	17.14	21.43	25.71
REDUCTION RATIO			36	40	50	60	75	90	100	120	150	180	200	
140W	50Hz	r/min Output bearing speed	36	33	26	22	17	14	13	11	9	7	7	
		N·m Rated torque	26.29	29.21	33.94	40.73	44	44	44	44	44	44	44	
	60Hz	r/min Output bearing speed	44	40	32	27	21	18	16	13	11	9	8	
		N·m Rated torque	21.91	24.34	28.28	33.94	40.73	44	44	44	44	44	44	
200W	50Hz	r/min Output bearing speed	36	33	26	22	17	14	13	11	9	7	7	
		N·m Rated torque	37.02	41.14	44	44	44	44	44	44	44	44	44	
	60Hz	r/min Output bearing speed	44	40	32	27	21	18	16	13	11	9	8	
		N·m Rated torque	30.85	34.28	42.85	44	44	44	44	44	44	44	44	

*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 ($\pm 8\%$).



STANDARD GEARBOX
100GF □H



RIGHT ANGLE HOLLOW GEARBOX
L100GF □RC



RIGHT ANGLE SOLID GEARBOX
L100GF □RT

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