

B AC Motors

Reversible Motor 6W(□ 70mm)

6W

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6W(□ 70mm)

Motor Specification

Model		Output	Voltage	Frequency	Poles	Duty	Starting Torque		Rated Load				Capacitor
Lead Wire Type	Terminal Box Type						kgfcm	N.m	Speed	Current	Torque		
7RDG□-6G(-T): Gear Type Shaft 7RDD□-6(-T): D-Cut Type Shaft		W	V	Hz					r/min	A	kgfcm	N.m	
7RDGA-6G	7RDGA-6G-T	6	1∅110	60	4	30min.	0.64	0.064	1600	0.29	0.50	0.050	3.0 / 250
7RDGD-6G	7RDGD-6G-T	6	1∅220	60	4	30min.	0.85	0.085	1600	0.16	0.60	0.060	1.0 / 450
7RDGE-6G	7RDGE-6G-T	6	1∅220	50	4	30min.	0.61	0.061	1250	0.13	0.68	0.068	0.8 / 450
			1∅240				0.75	0.075					

- 1) Enter the phase & voltage code in the box (□) within the motor model name.
- 2) All models contain a built-in thermal protector.
- 3) Gear Type Shaft is for attaching Gearbox and D-Cut Type Shaft is for using motor only.

Max. Permissible Torque at Output Shaft of Gearbox

60Hz

Motor Model	Gearbox Model	Gear Ratio	3	3.6	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
			r/min	600	500	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12
7RDG□-6G	7GBK□BMH	kgfcm	1.5	1.8	3.0	3.7	4.5	6.2	7.5	9.0	11.3	13.5	14.7	20.4	24.5	30.6	36.7	40.8	49.0	50.0	50.0
		N.m	0.15	0.18	0.29	0.37	0.44	0.61	0.73	0.88	1.10	1.32	1.44	2.00	2.40	3.00	3.60	4.00	4.80	4.90	4.90

50Hz

Motor Model	Gearbox Model	Gear Ratio	3	3.6	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
			r/min	500	416	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10
7RDG□-6G	7GBK□BMH	kgfcm	1.7	2.0	3.4	4.2	5.1	7.1	8.5	10.2	12.8	15.3	16.6	23.1	27.7	34.7	41.6	46.2	50.0	50.0	50.0
		N.m	0.17	0.20	0.33	0.41	0.50	0.69	0.83	1.00	1.25	1.50	1.63	2.27	2.72	3.40	4.08	4.53	4.90	4.90	4.90

- 1) Enter the phase & voltage code in the box (□) within the motor model name.
- 2) Enter the gear ratio in the box (□) within the Gearbox model name.
- 3) A colored background indicates gear shaft rotation in the same direction as the motor shaft; a white background indicates rotation in the opposite direction.
- 4) The rotating speed is calculated by dividing the motor's synchronous speed (50Hz: 1,500r/min, 60Hz: 1,800r/min) by the gear ratio. The actual speed is 2~20% less than the displayed value, depending on the size of the load.

Motor Images



