

B AC Motors

Reversible Motor 6W(□60mm)

6W

Reversible Motor
6W(□60mm)

Motor Specification

Model		Output W	Voltage V	Frequency Hz	Poles	Duty	Starting Torque		Rated Load				Capacitor μF / VAC
6RDG□-6G(-T): Gear Type Shaft 6RDD□-6(-T): D-Cut Type Shaft	Lead Wire Type						Terminal Box Type	kgfcm	N.m	Speed r/min	Current A	Torque	
									kgfcm	N.m			
6RDGA-6G	6RDGA-6G-T	6	1φ110	60	4	30min.	0.60	0.060	1550	0.25	0.38	0.038	3.0 / 250
6RDGD-6G	6RDGD-6G-T	6	1φ220	60	4	30min.	0.62	0.062	1550	0.15	0.42	0.042	1.0 / 450
6RDGE-6G	6RDGE-6G-T	6	1φ220	50	4	30min.	0.50	0.050	1200	0.10	0.47	0.047	0.7 / 450
			1φ240				0.55	0.055		0.11	0.50	0.050	

1) Enter the phase & voltage code in the box (□) within the motor model name.

2) This model is impedance protected type.

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	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
			r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12
6RDG□-6G	6GBD□MH	kgfcm	1.0	1.3	1.7	2.1	2.6	3.1	3.5	4.4	5.2	6.3	6.3	7.9	9.5	11.3	12.6	14.3	17.1	21.4	25.7	28.6	30.0	30.0	30.0
		N.m	0.10	0.12	0.17	0.20	0.26	0.31	0.34	0.43	0.51	0.61	0.62	0.77	0.93	1.11	1.23	1.40	1.68	2.10	2.52	2.80	2.94	2.94	2.94

Motor Model	Gearbox Model	Gear Ratio	200	250
			r/min	9
6RDG□-6G	6GBD□MH	kgfcm	30.0	30.0
		N.m	2.94	2.94

50Hz

Motor Model	Gearbox Model	Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
			r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10
6RDG□-6G	6GBD□MH	kgfcm	1.2	1.5	2.1	2.5	3.1	3.7	4.2	5.2	6.2	7.5	7.5	9.4	11.3	13.5	15.0	17.0	20.4	25.5	30.0	30.0	30.0	30.0	30.0
		N.m	0.12	0.15	0.20	0.24	0.31	0.37	0.41	0.51	0.61	0.73	0.74	0.92	1.10	1.32	1.47	1.67	2.00	2.50	2.94	2.94	2.94	2.94	2.94

Motor Model	Gearbox Model	Gear Ratio	200	250
			r/min	7.5
6RDG□-6G	6GBD□MH	kgfcm	30.0	30.0
		N.m	2.94	2.94

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.

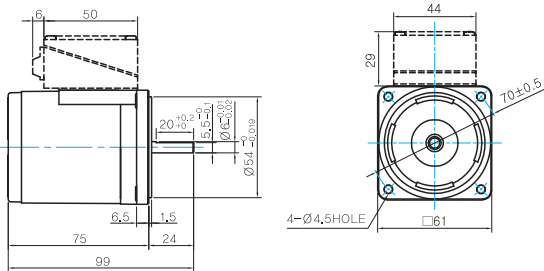
Motor Images



Dimensions

MOTOR ONLY

- MOTOR MODEL: 6RDD□-6(-T) (NO FAN)



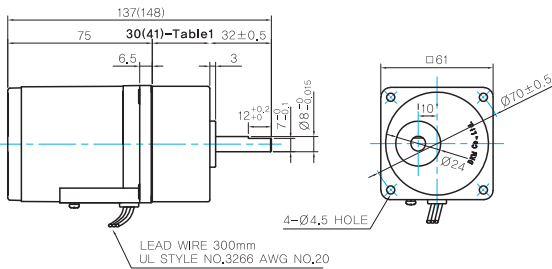
MOTOR OUTPUT SHAFT

MODEL	SPEC
D-CUT TYPE	

GEARED MOTOR

G TYPE GEARBOX

- MOTOR MODEL: 6RDG□-6G (NO FAN)
- GEARBOX MODEL: 6GBD□MH



GEARBOX OUTPUT SHAFT

MODEL	SPEC
D-CUT TYPE	

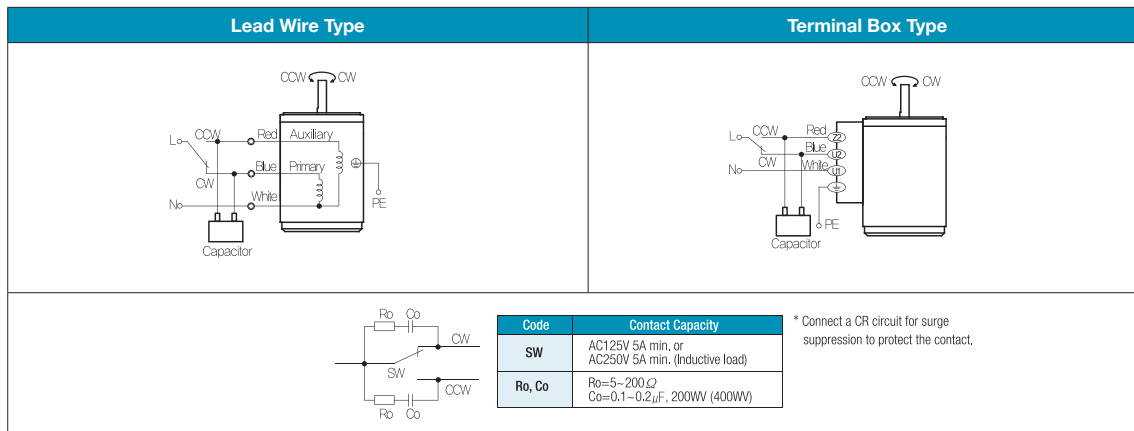
WEIGHT

	PART	WEIGHT(Kg)
	MOTOR	0,7
GEAR BOX	6GBD3MH ~ 6GBD18MH	0,3
	6GBD20MH ~ 6GBD40MH	0,32
	6GBD50MH ~ 6GBD250MH	0,34

30(41)-Table1

SIZE(mm)	GEAR RATIO
30	6GBD3MH - 6GBD18MH
41	6GBD20MH - 6GBD250MH

Connection Diagrams



- The direction of motor rotation is as viewed from the shaft end of the motor.
- CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- During operation it is available to change the rotating direction by turning the switch to CW or CCW.