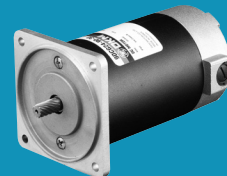


DC Motor



DC Motor

Index

DC Motor 15W (□60mm)

C-05

DKM AC/DC Geared Motor and Gearbox **C-04**

C DC Motors

DC Motor 15W(□ 60mm)

15W

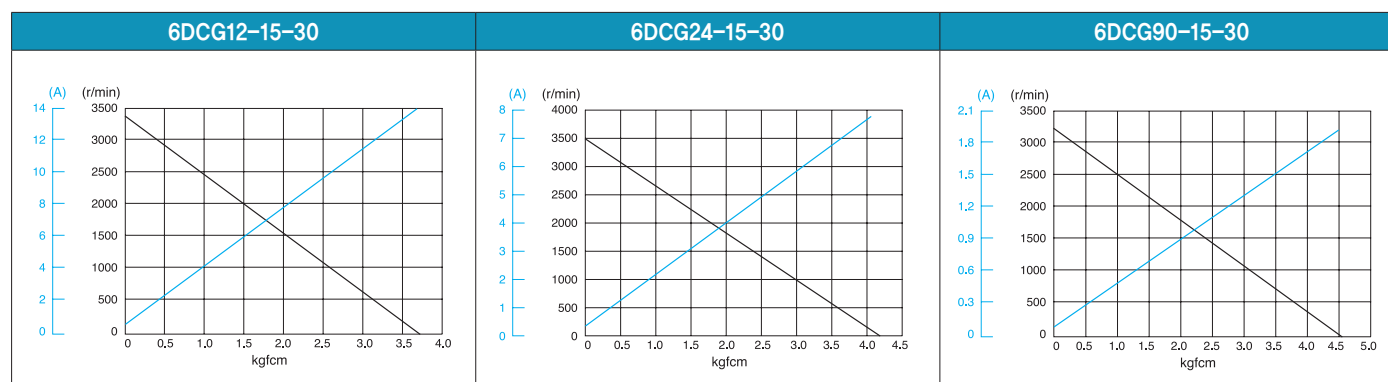
 DC Motor
15W(□ 60mm)

Motor Specification

Model 6DCG□-15-30: Gear Type Shaft 6DCD□-15-30: D-Cut Type Shaft	Output W	Voltage V	Starting Current A	Starting Torque		No Load		Rated Load			
				kgfcm	N.m	Current A	Speed r/min	Current A	Speed r/min	Torque	
6DCG12-15-30	15	12	13.50	3.70	0.370	0.60	3250	1.70	3000	0.49	0.049
6DCG24-15-30	15	24	7.70	4.10	0.410	0.40	3500	1.20	3000	0.49	0.049
6DCG90-15-30	15	90	1.90	4.50	0.450	0.06	3200	0.16	2900	0.49	0.049

- 1) Enter the phase & voltage code in the in the box (□) within the motor model name.
2) Gear Type Shaft are for attaching Gearbox and D-Cut Type Shaft are for using motor only.

Performance Curve



Max. Permissible Torque at Output Shaft of Gearbox

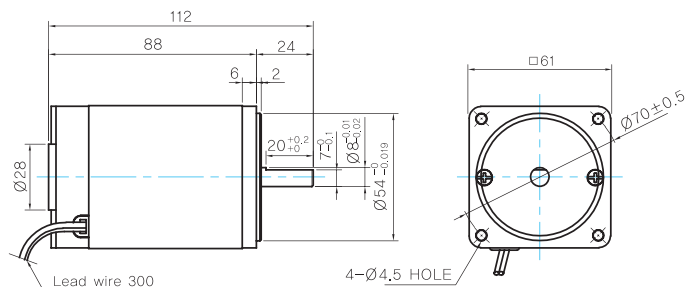
Motor Model	Gearbox Model	Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
		r/min	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15	12
6DCG□ -15-30	6GBD□ MH	Rated	kgfcm	1.2	1.5	2.0	2.4	3.1	3.7	4.1	5.1	6.1	7.3	7.4	9.2	11.0	13.2	14.7	16.7	20.0	25.0	30.0	30.0	30.0	30.0	30.0	30.0
			N.m	0.12	0.14	0.20	0.24	0.30	0.36	0.40	0.50	0.60	0.72	0.72	0.90	1.08	1.30	1.44	1.63	1.96	2.45	2.94	2.94	2.94	2.94	2.94	2.94
		12V	kgfcm	9.2	11.1	15.4	18.4	23.0	27.6	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
		Starting	N.m	0.90	1.08	1.50	1.81	2.26	2.71	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
		24V	kgfcm	10.2	12.3	17.0	20.4	25.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
		Starting	N.m	1.00	1.20	1.67	2.00	25.0	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
		90V	kgfcm	11.2	13.4	18.7	22.4	28.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
		Starting	N.m	1.10	1.32	1.83	2.20	2.75	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	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.

Dimensions

MOTOR ONLY

● MOTOR MODEL: 6DCD□-15-30



MOTOR OUTPUT SHAFT

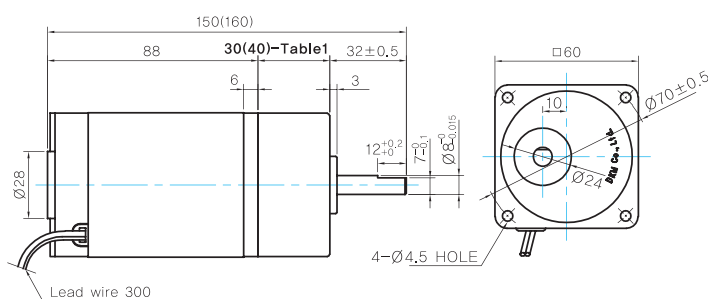
MODEL	SPEC
D-CUT TYPE	

GEARED MOTOR

G TYPE GEARBOX

● MOTOR MODEL:
6DCG□-15-30

● GEARBOX MODEL:
6GBD□MH



GEARBOX OUTPUT SHAFT

MODEL	SPEC
D-CUT TYPE	

WEIGHT

PART	WEIGHT(Kg)						
MOTOR	0,7						
GEAR BOX	<table> <tr> <td>6GBD3MH ~ 6GBD18MH</td><td>0,3</td></tr> <tr> <td>6GBD20MH ~ 6GBD40MH</td><td>0,32</td></tr> <tr> <td>6GBD50MH ~ 6GBD250MH</td><td>0,34</td></tr> </table>	6GBD3MH ~ 6GBD18MH	0,3	6GBD20MH ~ 6GBD40MH	0,32	6GBD50MH ~ 6GBD250MH	0,34
6GBD3MH ~ 6GBD18MH	0,3						
6GBD20MH ~ 6GBD40MH	0,32						
6GBD50MH ~ 6GBD250MH	0,34						

30(40)-Table1

SIZE(mm)	GEAR RATIO
30	6GBD3MH - 6GBD18MH
40	6GBD20MH - 6GBD250MH

Motor Images

