

C DC Motors

DC Motor 25W(□ 80mm)

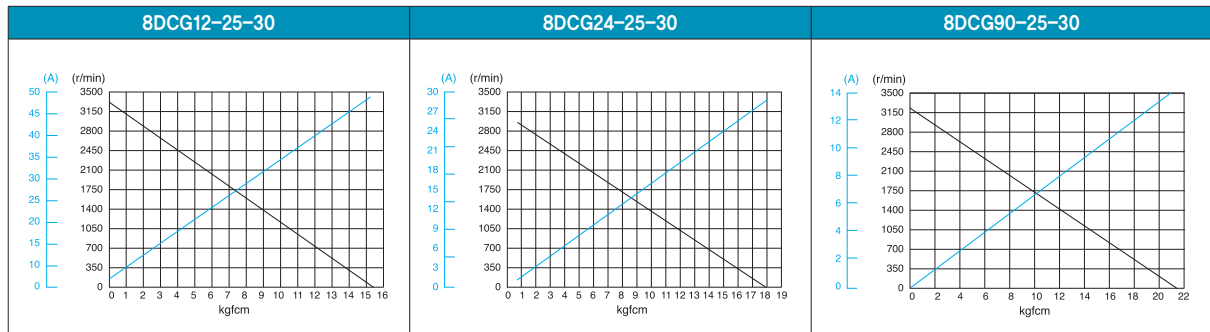
25W DC Motor 25W(□ 80mm)

Motor Specification

Model 8DCG(W)□-25-30: Gear Type Shaft 8DCD□-25-30: 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 kgfcm N.m	
8DCG(W)12-25-30	25	12	48.00	15.50	1.500	1.80	3300	3.30	3100	0.811	0.081
8DCG(W)24-25-30	25	24	29.00	18.00	1.800	0.80	3050	1.90	2900	0.811	0.081
8DCG(W)90-25-30	25	90	10.00	21.50	2.150	0.04	3200	0.35	3000	0.811	0.081

- 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 r/min	Gear Ratio																											
			3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	360			
8DCG□ -25-30	8GBK□ BMH	Rated	kgfcm	2.0	2.4	3.4	4.0	5.0	6.1	8.4	10.1	12.1	15.2	18.2	19.9	22.1	27.6	33.1	41.4	49.6	55.1	66.2	80.0	80.0	80.0	80.0	80.0	80.0		
		N.m	0.20	0.24	0.33	0.40	0.49	0.59	0.82	0.99	1.19	1.49	1.79	1.95	2.16	2.70	3.24	4.05	4.86	5.40	6.49	7.84	7.84	7.84	7.84	7.84	7.84	7.84		
		12V	kgfcm	38.6	46.3	64.3	77.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
		Starting	N.m	3.78	4.54	6.30	7.56	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	
		24V	kgfcm	44.8	53.8	74.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	

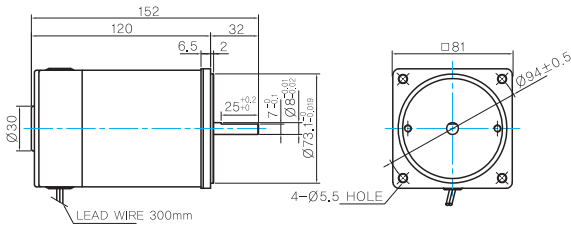
Motor Model	Gearbox Model	Gear Ratio		10	12	15	18	25	30	36	50	60	
		r/min	r/min	300	250	200	167	120	100	83	60	50	
8DCW□-25-30	8WD□BL/□BR/ □BRL	Rated	kgfcm	6.7	7.8	9.4	10.8	14.2	16.1	18.7	24.3	26.8	
		N.m	0.65	0.76	0.92	1.06	1.39	1.57	1.83	2.38	2.62		
		12V	kgfcm	112.2	102.0	112.2	102.0	102.0	112.2	102.0	102.0	102.0	81.6
		Starting	N.m	11.00	10.00	11.00	10.00	10.00	11.00	10.00	10.00	10.00	8.00
		24V	kgfcm	112.2	102.0	112.2	102.0	102.0	112.2	102.0	102.0	102.0	81.6
		Starting	N.m	11.00	10.00	11.00	10.00	10.00	11.00	10.00	10.00	10.00	8.00

- 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.

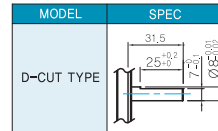
Dimensions

MOTOR ONLY

- MOTOR MODEL: 8DCD□-25-30

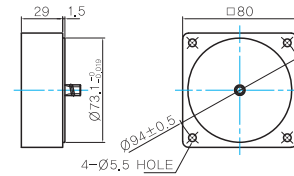


- MOTOR OUTPUT SHAFT



INTER-DECIMAL GEARBOX

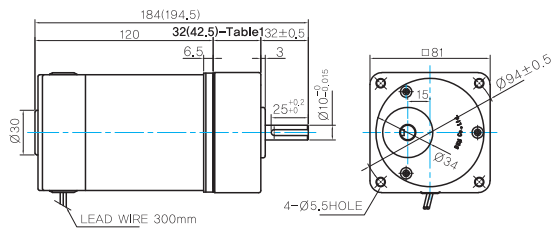
- MODEL: 8XD10□□



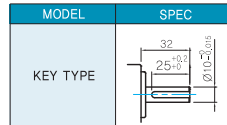
GEARED MOTOR

G TYPE GEARBOX

- MOTOR MODEL: 8DCG□-25-30
- GEARBOX MODEL: 8GBK□BMH



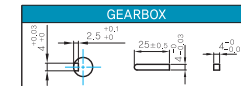
- GEARBOX OUTPUT SHAFT



- 32(42.5)-Table1

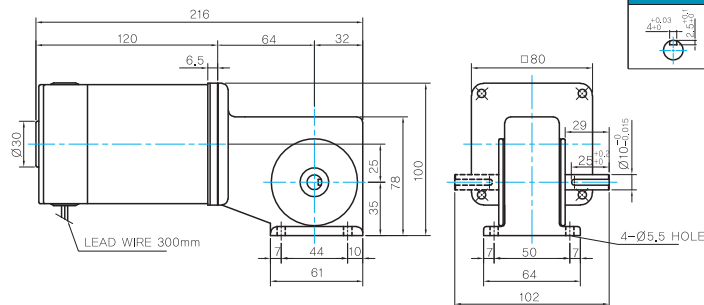
SIZE(mm)	GEAR RATIO
32	8GBK3BMH ~ 8GBK18BMH
42.5	8GBK25BMH ~ 8GBK360BMH

- KEY SPEC

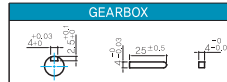


W TYPE GEARBOX

- MOTOR MODEL: 8DCW□-25-30
- GEARBOX MODEL: 8WD□BL/BR/BRL



- KEY SPEC



WEIGHT

PART	WEIGHT(Kg)	
MOTOR	1.5	
GEAR BOX	8GBK3BMH ~ 8GBK18BMH	0.48
	8GBK25BMH ~ 8GBK30BMH	0.61
	8GBK36BMH ~ 8GBK180BMH	0.67
	8GBK200BMH ~ 8GBK360BMH	0.63
	8WD□BL/BR/BRL	0.67
	8XD10□□	0.44

Motor Images

