

S.C. Brake Motor 25W (□80mm)

25W

Speed Control
Brake Motor
25W(□80mm)

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Motor Specification

Model 8SBDG*-25□: Gear Type Shaft 8SBD*-25: D-Cut Type Shaft	Output W	Voltage V	Frequency Hz	Poles	Duty	Speed Range r/min	Starting Torque		Permissible Torque				Capacitor μF / VAC
									1200r/min		90r/min		
									kgfcm	N.m	kgfcm	N.m	
8SBDGA-25□	25	1φ110	60	4	30min.	90-1700	1.40	0.140	1.55	0.155	0.70	0.070	10.0 / 250
8SBDGD-25□	25	1φ220	60	4	30min.	90-1700	1.60	0.160	1.80	0.180	0.90	0.090	2.5 / 450
8SBDGE-25□	25	1φ220	50	4	30min.	90-1400	1.00	0.100	1.50	0.150	0.50	0.050	2.0 / 450
		1φ240					1.20	0.120	1.80	0.180	0.50	0.050	

1) Enter the phase & voltage code in the place * and enter the model type of attaching Gearbox in the box (□) within the motor model name.

2) All models contain a built-in thermal protector.

3) Gear Type Shaft are for attaching Gearbox and D-Cut Type Shaft are for using motor only.

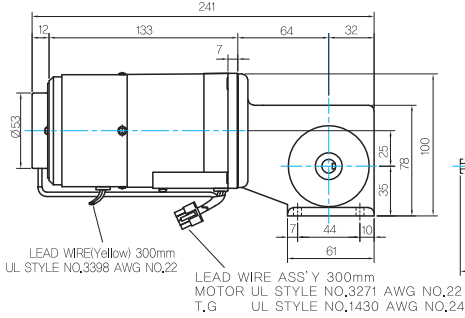
Max. Permissible Torque at Output Shaft of Gearbox

Motor Model	Gearbox Model	r/min	V	Hz	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36
8SBDG□ -25G	8GBK□BMH	1200	110	60	kgfcm	3.9	4.6	6.4	7.7	9.6	11.6	16.1	19.3	23.2	29.1	34.9	37.9
					N.m	0.38	0.45	0.63	0.76	0.95	1.13	1.58	1.89	2.27	2.85	3.42	3.72
			220/240	60	kgfcm	5.8	6.9	9.6	11.5	14.4	17.3	24.0	28.8	34.6	39.2	47.1	46.4
		220/240	50	kgfcm	4.5	5.4	7.5	9.0	11.2	13.4	18.7	22.4	26.9	33.8	40.5	44.1	
		220/240	60	N.m	0.44	0.53	0.73	0.88	1.10	1.32	1.83	2.20	2.64	3.31	3.97	4.32	
		220/240	50	N.m	0.17	0.20	0.28	0.34	0.43	0.51	0.71	0.85	1.02	1.29	1.54	1.68	
8SBDG□ -25G	8GBK□BMH	90	110	60	kgfcm	1.7	2.1	2.9	3.5	4.4	5.2	7.3	8.7	10.5	13.1	15.8	17.1
					N.m	0.17	0.20	0.28	0.34	0.43	0.51	0.71	0.85	1.02	1.29	1.54	1.68
			220/240	60	kgfcm	2.2	2.7	3.7	4.5	5.6	6.7	9.3	11.2	13.4	16.9	20.3	22.0
		220/240	50	kgfcm	1.2	1.5	2.1	2.5	3.1	3.7	5.2	6.2	7.5	9.4	11.3	12.2	
		220/240	60	N.m	0.22	0.26	0.37	0.44	0.55	0.66	0.92	1.10	1.32	1.65	1.98	2.16	
		220/240	50	N.m	0.12	0.15	0.20	0.24	0.31	0.37	0.51	0.61	0.73	0.92	1.10	1.20	

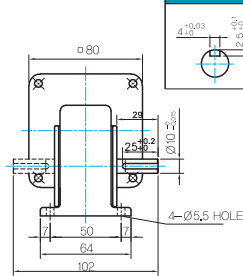
Motor Model	Gearbox Model	r/min	V	Hz	Gear Ratio	40	50	60	75	90	100	120	150	180	200	250	300	360
8SBDG□ -25G	8GBK□ BMH	1200	110	60	kgfcm	42.2	52.7	63.2	79.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
					N.m	4.13	5.16	6.20	7.75	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84
			220	60	kgfcm	51.6	64.5	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
		220/240	50	kgfcm	49.0	61.2	73.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
		220/240	60	N.m	4.80	6.00	7.20	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84
		220/240	50	N.m	4.80	6.00	7.20	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84
8SBDG□ -25G	8GBK□ BMH	90	110	60	kgfcm	19.0	23.8	28.6	35.7	42.8	47.6	57.1	71.4	80.0	80.0	80.0	80.0	
					N.m	1.87	2.33	2.80	3.50	4.20	4.66	5.60	7.00	7.84	7.84	7.84	7.84	7.84
			220	60	kgfcm	24.5	30.6	36.7	45.9	55.1	61.2	73.4	80.0	80.0	80.0	80.0	80.0	80.0
		220/240	50	kgfcm	13.6	17.0	20.4	25.5	30.6	34.0	40.8	51.0	61.2	61.0	76.3	80.0	80.0	
		220/240	60	N.m	2.40	3.00	3.60	4.50	5.40	6.00	7.20	7.84	7.84	7.84	7.84	7.84	7.84	
		220/240	50	N.m	1.33	1.67	2.00	2.50	3.00	3.33	4.00	5.00	6.00	5.98	7.47	7.84	7.84	

W TYPE GEARBOX

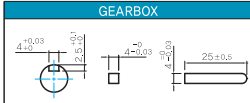
● MOTOR MODEL:
8SBDG□-25W (NO FAN)



● GEARBOX MODEL:
8WD□BL/BR/BRL



● KEY SPEC



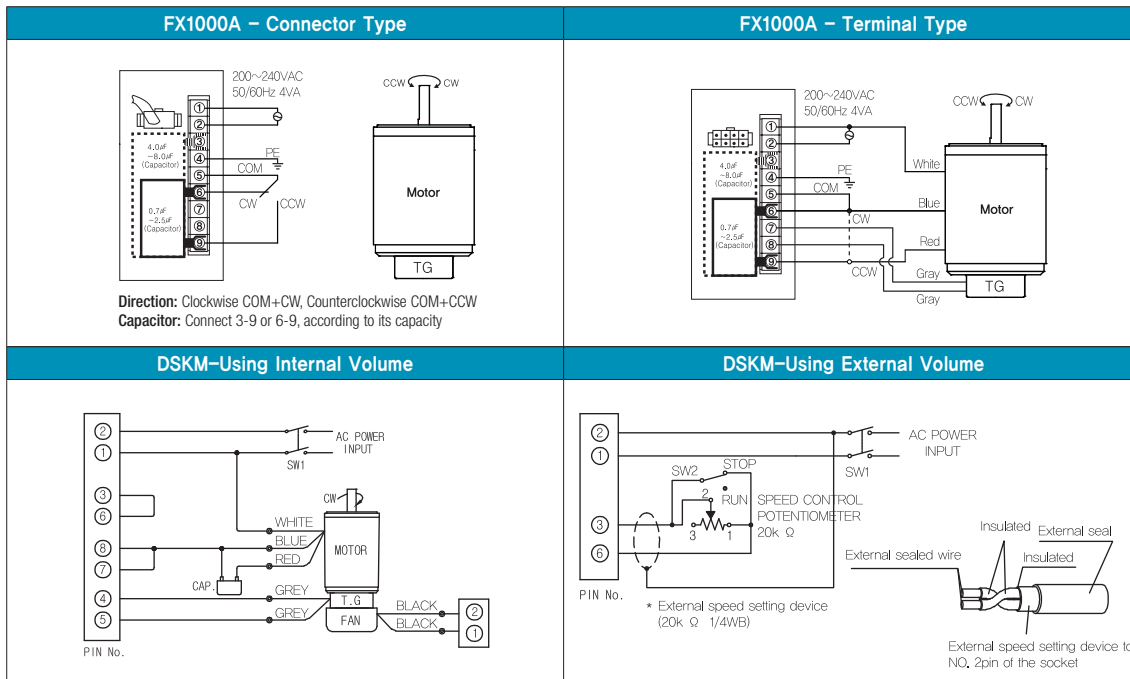
WEIGHT

PART	WEIGHT(Kg)	
MOTOR	2.09	
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



Connection Diagrams



- At first connect the speed controller with the motor as instructed in connection diagrams. And then input the external power to both of the terminal 'AC' for the rated speed operation. Now you can adjust the main volume to control the output speed of motor.
- 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.
- When using powerful fan (F2 type) attached motor, connect two black wires of the fan to No.1 and No.2 terminals in order to supply power.