

Reversible Motor 25W(□80mm)

25W Reversible Motor 25W(□80mm)

Motor Specification

Model		Output W	Voltage V	Frequency Hz	Poles	Duty	Starting Torque		Rated Load			Capacitor μF / VAC	
Lead Wire Type	Terminal Box Type						kgfcm	N.m	Speed r/min	Current A	Torque kgfcm N.m		
8RDG*-25□(-T): Gear Type Shaft 8RDD*-25(-T): D-Cut Type Shaft													
8RDGA-25□	8RDGA-25□-T	25	1∅110	60	4	30min.	2.40	0.240	1550	0.73	1.62	0.162	10.0 / 250
8RDGD-25□	8RDGD-25□-T	25	1∅220	60	4	30min.	2.40	0.240	1550	0.36	1.62	0.162	2.5 / 450
8RDGE-25□	8RDGE-25□-T	25	1∅220	50	4	30min.	2.10	0.210	1250	0.28	2.00	0.200	2.0 / 450
			1∅240				2.50	0.250		0.30	2.10	0.210	

- 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 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	Gear Ratios																				
			3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	40	50	60	75	90	100	120	150	180
8RDG□-25G	8GBK□ BMH	r/min	600	500	360	300	240	200	144	120	100	72	60	50	45	36	30	24	20	18	15	12	10
		kgfcm N.m	4.0 0.40	4.8 0.47	6.7 0.66	8.1 0.79	10.1 0.99	12.1 1.19	16.8 1.65	20.2 1.98	24.2 2.37	30.38 2.98	36.45 3.57	39.66 3.89	44.06 4.32	55.08 5.40	66.10 6.48	80.00 7.84	80.00 7.84	80.00 7.84	80.00 7.84	80.00 7.84	80.00 7.84

Motor Model	Gearbox Model	Gear Ratio	Gear Ratios				Motor Model	Gearbox Model	Gear Ratio	Gear Ratios								
			200	250	300	360				10	12	15	18	25	30	36	50	60
8RDG□-25G	8GBK□BMH	r/min	9	7	6	5	8RDG□-25W	8WD□BL/□BR/ □BRL	kgfcm N.m	13.3	15.6	18.7	21.6	28.4	32.1	37.3	48.6	53.5
		7.84	7.84	7.84	7.84	1.30				1.52	1.83	2.11	2.78	3.14	3.66	4.76	5.24	

50Hz

Motor Model	Gearbox Model	Gear Ratio	Gear Ratios																				
			3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	40	50	60	75	90	100	120	150	180
8RDG□-25G	8GBK□ BMH	r/min	500	417	300	250	200	167	120	100	83	60	50	42	38	30	25	20	17	15	13	10	8
		kgfcm N.m	5.2 0.51	6.3 0.61	8.7 0.85	10.5 1.02	13.1 1.28	15.7 1.54	21.8 2.14	26.1 2.56	31.4 3.07	39.4 3.86	47.3 4.63	51.4 5.04	57.1 5.60	71.4 7.00	80.0 7.84	80.0 7.84	80.0 7.84	80.0 7.84	80.0 7.84	80.0 7.84	80.0 7.84

Motor Model	Gearbox Model	Gear Ratio	Gear Ratios				Motor Model	Gearbox Model	Gear Ratio	Gear Ratios								
			200	250	300	360				10	12	15	18	25	30	36	50	60
8RDG□-25G	8GBK□BMH	r/min	7	6	5	5	8RDG□-25W	8WD□BL/□BR/ □BRL	kgfcm N.m	17.2	20.2	24.3	28.0	36.8	41.6	48.4	63.0	69.3
		7.84	7.84	7.84	7.84	1.69				1.98	2.38	2.74	3.60	4.07	4.74	6.17	6.79	

- 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.

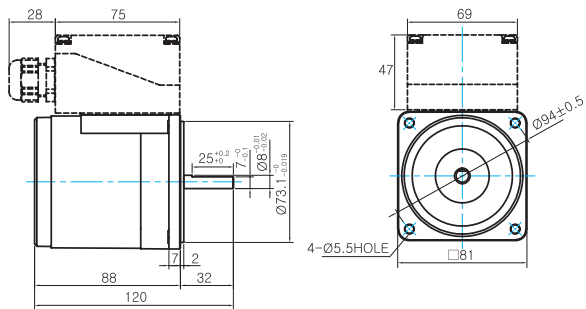
B AC Motors

Reversible Motor 25W(□80mm)

Dimensions

MOTOR ONLY

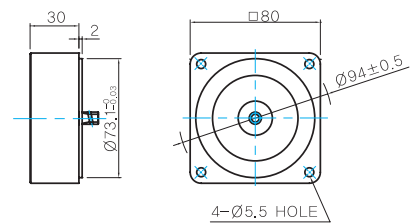
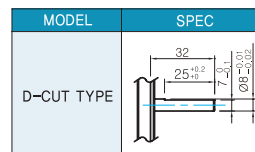
- MOTOR MODEL: 8RDD□-25(-T) (NO FAN)



INTER-DECIMAL GEARBOX

- MODEL: 8XD10□□

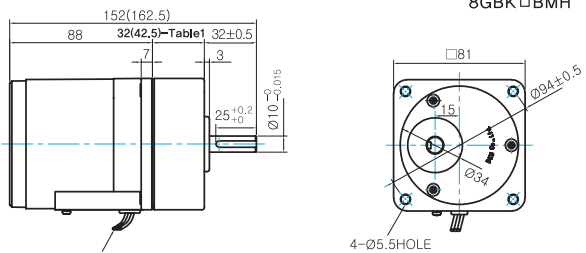
MOTOR OUTPUT SHAFT



GEARED MOTOR

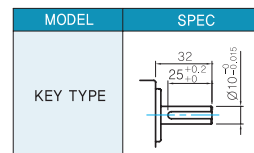
G TYPE GEARBOX

- MOTOR MODEL: 8RDG□-25G (NO FAN)
- GEARBOX MODEL: 8GBK□BMH

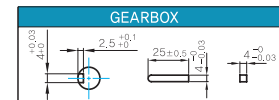


LEAD WIRE 300mm
UL STYLE NO,3271 AWG NO,22

GEARBOX OUTPUT SHAFT



KEY SPEC

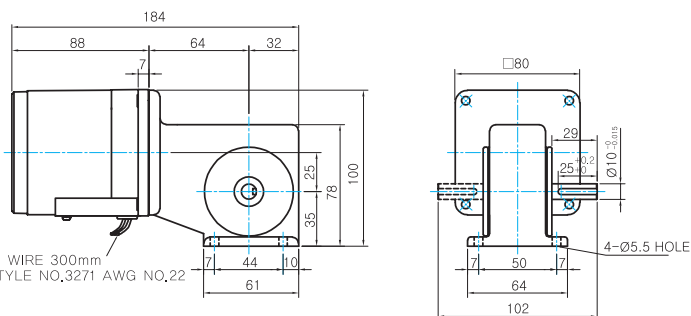


30(40)-Table1

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

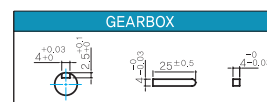
W TYPE GEARBOX

- MOTOR MODEL: 8RDG□-25W (NO FAN)
- GEARBOX MODEL: 8WD□BL/BR/BRL



LEAD WIRE 300mm
UL STYLE NO,3271 AWG NO,22

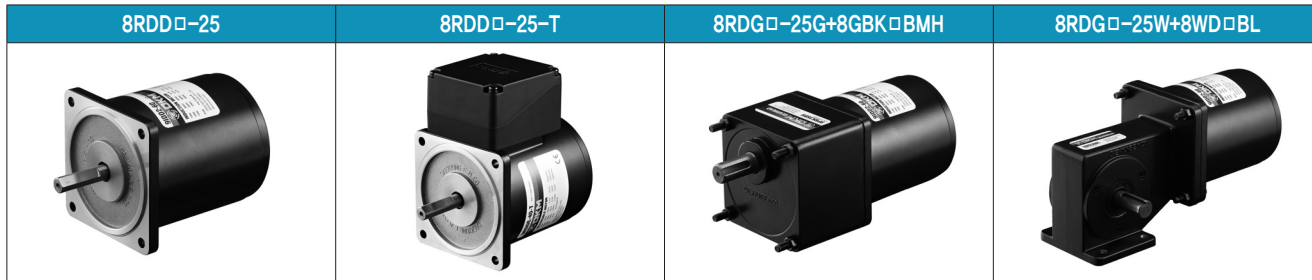
KEY SPEC



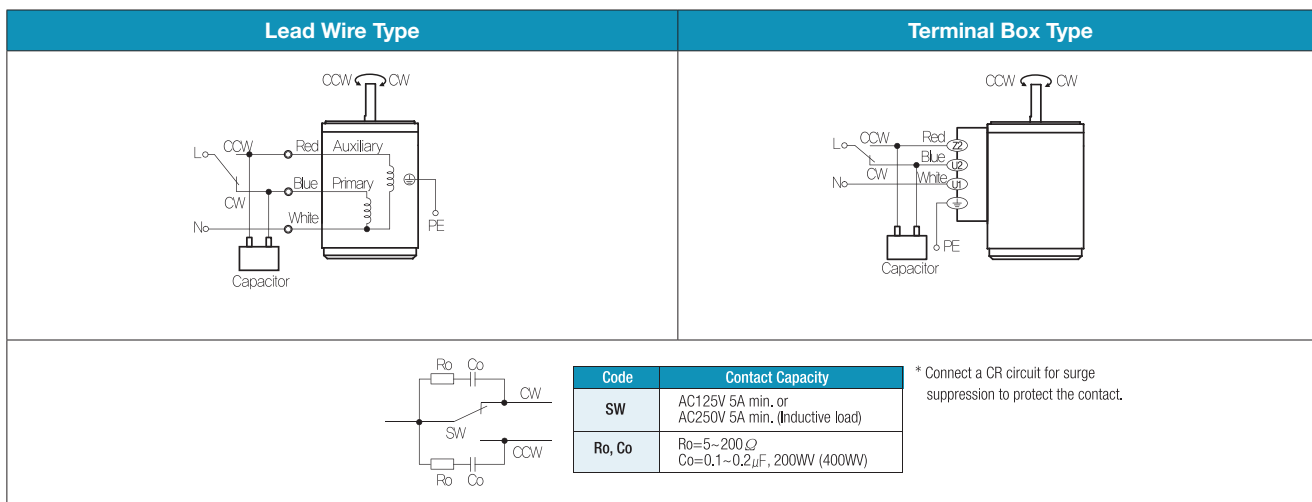
WEIGHT

PART	WEIGHT(Kg)	
MOTOR	1.6	
GEAR BOX	8GBK3BMH ~ 8GBK18BMH	0.48
	8GBK25BMH ~ 8GBK30BMH	0.61
	8GBK36BMH ~ 8GBK180BMH	0.67
	8GBK200BMH ~ 8GBK360BMH	0.63
	8WD□BL/BR/BRL	0.67
	8XD10M□□	0.44

Motor Images



Connection Diagrams



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