

B AC Motors

Clutch & Brake Motor 15W (□80mm)

15W

Clutch & Brake Motor
15W(□80mm)

Motor Image

8CIDG□-15G+8GBK□BMH



Motor Specification

Model 8CIDG□-15G: Gear Type Shaft	Output W	Voltage V	Frequency Hz	Poles	Duty	Starting Torque		Rated Load				Capacitor μF / VAC
						kgfcm	N.m	Speed r/min	Current A	Torque kgfcm N.m		
8CIDGA-15G	15	1∅110	60	4	Cont.	0.84	0.084	1600	0.39	0.98	0.098	3.5 / 450
8CIDGD-15G	15	1∅220	60	4	Cont.	1.40	0.140	1600	0.22	1.10	0.110	1.2 / 450
8CIDGE-15G	15	1∅220	50	4	Cont.	1.30	0.130	1250	0.17	1.30	0.130	1.0 / 450
		1∅240				1.55	0.155		0.19	1.48	0.148	
8CIDGG-15G	15	3∅220	50	4	Cont.	4.80	0.480	1300	0.22	1.40	0.140	-
			60			4.00	0.400	1600	0.18	1.00	0.100	
8CIDGK-15G	15	3∅380	50	4	Cont.	4.60	0.460	1300	0.13	0.20	0.120	-
			60			3.60	0.360	1550	0.11	1.00	0.100	
		3∅400	50	4	Cont.	5.00	0.500	1300	0.14	1.40	0.140	
			60			4.00	0.400	1600	0.12	1.00	0.100	
		3∅415	50	4	Cont.	5.40	0.540	1350	0.15	1.20	0.120	
			60			4.20	0.420	1600	0.13	1.00	0.100	
		3∅440	50	4	Cont.	6.00	0.600	1350	0.16	1.40	0.140	
			60			4.60	0.460	1600	0.14	1.40	0.140	

- 1) Enter the phase & voltage code in the in the box (□) within the motor model name.
- 2) All models contain a built-in thermal protector.
- 3) For using clutch & brake motor, Gearbox has to be attached. (Output shaft of motor: Gear Type Shaft)

Max. Permissible Torque at Output Shaft of Gearbox

60Hz

Motor Model	Gearbox Model	Gear Ratio r/min	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	40	50	60	75	90	100	120	150	180
			8CIDG□ -15G	8GBK□ BMH	kgfcm N.m	3.0 0.29	3.6 0.35	5.0 0.49	6.0 0.59	7.5 0.73	9.0 0.88	12.5 1.22	14.9 1.46	17.9 1.76	22.5 2.21	27.0 2.65	29.4 2.88	32.6 3.20	40.8 4.00	49.0 4.80	61.2 6.00	73.4 7.20	80.0 7.84

Motor Model	Gearbox Model	Gear Ratio r/min	200	250	300	360
			8CIDG□ -15G	8GBK□ BMH	kgfcm N.m	80.0 7.84

50Hz

Motor Model	Gearbox Model	Gear Ratio r/min	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	40	50	60	75	90	100	120	150	180
			8CIDG□ -15G	8GBK□ BMH	kgfcm N.m	3.5 0.34	4.2 0.41	5.8 0.57	7.0 0.68	8.7 0.85	10.5 1.02	14.5 1.42	17.4 1.71	20.9 2.05	26.3 2.57	31.5 3.09	34.3 3.36	38.1 3.73	47.6 4.66	57.1 5.60	71.4 7.00	80.0 7.84	80.0 7.84

Motor Model	Gearbox Model	Gear Ratio r/min	200	250	300	360
			8CIDG□ -15G	8GBK□ BMH	kgfcm N.m	80.0 7.84

- 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.

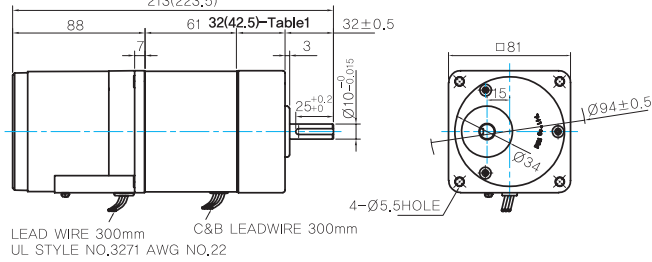
Dimensions

GEARED MOTOR

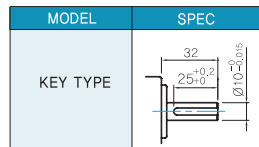
G TYPE GEARBOX

● MOTOR MODEL:
8CIDG□-15G (NO FAN)
213(223,5)

● GEARBOX MODEL:
8GBK□BMH



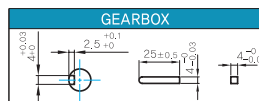
GEARBOX OUTPUT SHAFT



32(42.5)-Table1

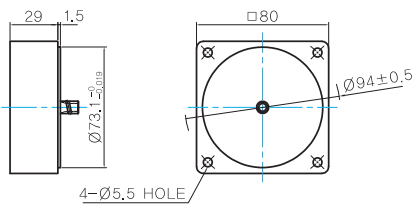
SIZE(mm)	GEAR RATIO
32	8GBK3BMH - 8GBK18BMH
42.5	8GBK25BMH - 8GBK360BMH

KEY SPEC



INTER-DECIMAL GEARBOX

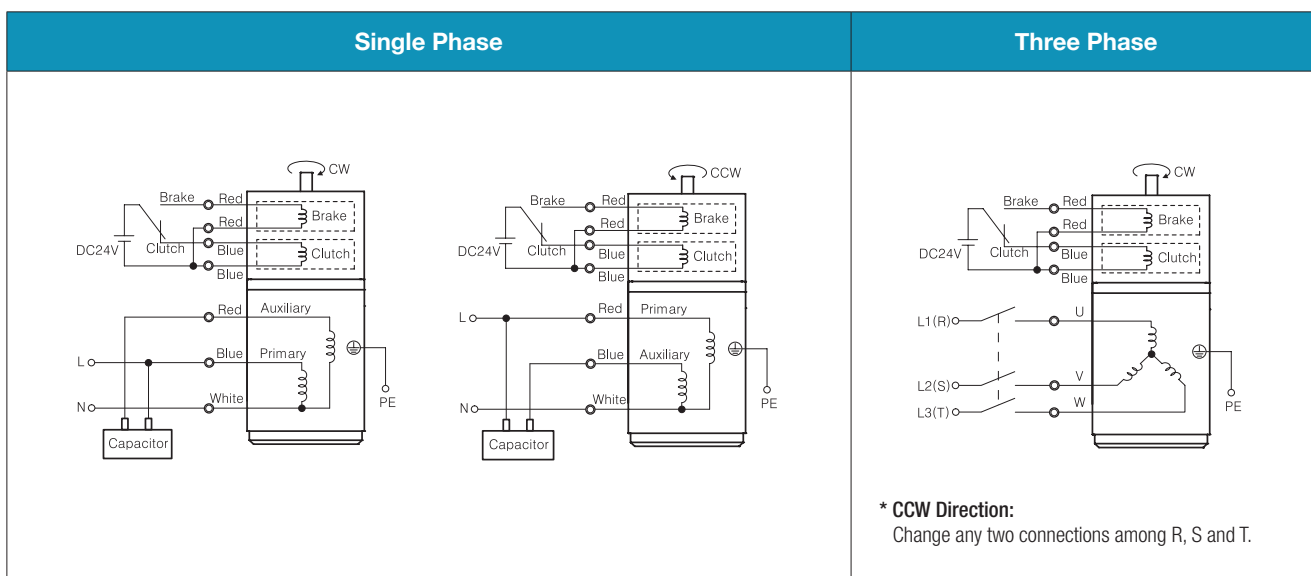
● MODEL:
8XD10□□



WEIGHT

PART	WEIGHT(Kg)	
MOTOR	1,6	
CLUTCH & BRAKE	1,05	
GEAR BOX	8GBK3BMH - 8GBK18BMH	0,48
	8GBK25BMH - 8GBK30BMH	0,61
	8GBK36BMH - 8GBK180BMH	0,67
	8GBK200BMH - 8GBK360BMH	0,63
	8XD10□□	0,44

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) Change the direction of single phase motor rotation only after bringing the motor to a stop. If an attempt is made to change the direction of rotation while the motor is rotating, the motor may ignore the reversing command or change its direction after some delay.