(RoHS) **Power Off Activated Type Electromagnetic Brake Motors** 6 W

6 M

15 W

40 W

M 09

M 06

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Frame Size: 60 mm

This type of motor does not contain a built-in simple brake mechanism.

C US	C	E

Model		Rating	Output Power	Voltage	Frequency	Current	Starting Torque	Rated Torque	Rated Speed	Capacitor		
Pinion Shaft Type	Round Shaft Type		W	VAC	Hz	Α	mN∙m	mN∙m	r/min	μF		
(ZP) 2RK6GN-AW2MJ	2RK6A-AW2MJ	30	6	Single-Phase 100	50	0.244	50	49	1150	4.5		
EP 2RROGIN-AW 2005	ZKROA-AW ZMJ	minutes	6 Siligie-Pilase 100		60	0.295	45	41	1400	4.5		
ZP) 2RK6GN-AW2MU	2RK6A-AW2MU	30	6	Single-Phase 110	60	0.235	45	41	1450	3.5		
2F 2RROGIN-AW 2MO	ZKKOA-AW ZMU	minutes	0	Single-Phase 115	00	0.242	40	41	1450	3.0		
(ZP) 2RK6GN-CW2MJ	2RK6A-CW2MJ	30	6	Single-Phase 200	50	0.113	50	49	1150	1.0		
ZP ZRROGIN-CW ZMJ	ZKROA-CW ZMJ	minutes	0		60	0.131	45	41	1400	1.0		
	2RK6A-CW2ME	30	6	Single-Phase 220	50	0.107	50	49	1150			
ZP) 2RK6GN-CW2ME					60	0.109	45	41	1450	- 0.8		
2F 2RROGIN-CW2ME		minutes	0	Single-Phase 230	50	0.112	50	49	1200			
				Sillyle-Fllase 230	60	0.113	45	41	1450			
				Three-Phase 200	50	0.081	49	49	1200			
(ZP) 2IK6GN-SW2M	2IK6A-SW2M	Continuous	6	11166-11056 200	60	0.072	41	41	1400			
LF ZINGGN-SW2M		Continuous	0	Three-Phase 220	60	0.076	41	41	1500	1 -		
				Three-Phase 230	00	0.079	41	41	1300			

(Gearhead sold separately)

• The J, U and E at the end of the model name indicate that the unit includes a capacitor. These letters are not listed on the motor nameplate.

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

ZP: Impedance protected

Electromagnetic Brake (Power Off Activated Type)

Motor Model	Voltage VAC	Frequency Hz	Current A	Input W	Holding Brake Torque mN•m
2RK6GN-AW2MJ	Single-Phase 100	50	0.03	3	30
2RK6A-AW2MJ	Single-Flase 100	60	0.03	5	50
2RK6GN-AW2MU	Single-Phase 110	60	0.03	3	30
2RK6A-AW2MU	Single-Phase 115	00	0.03	3	30
2RK6GN-CW2MJ	Single-Phase 200	50	0.02	3	30
2RK6A-CW2MJ	Single-Flase 200	60	0.02	3	30
	Single-Phase 220	50			
2RK6GN-CW2ME	Single-Fliase 220	60	0.02	3	30
2RK6A-CW2ME	Single-Phase 230	50	0.02	3	30
	Single-Flase 230	60			
	Single-Phase 200	50			
2IK6GN-SW2M	Single-Flase 200	60	0.02	3	30
2IK6A-SW2M	Single-Phase 220	60	0.02	3	
	Single-Phase 230	00			

Product Line

Motor (RoHS)

Model											
/pe											
MJ											
MU											
٨J											
ME											
١											

Gearhead (Sold Separately) (RoHS)

Туре	Gearhead Model	Gear Ratio							
Long Life/Low Noise/ Parallel Shaft	2GN□S	3, 3.6,5,6, 7.5, 9, 12.5, 15, 18, 25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180							
	2GN10XS (Decimal gearhead)								

 \bullet Enter the gear ratio in the box (\Box) within the model name.

Induction Motors

2-Pole

Reversible Motors

Electromagnetic Brake Motors

Torque Motors

Right-Angle Gearheads

Brake Pack SB50W

Gearmotor – Torque Table

•Gearheads and decimal gearheads are sold separately.

●Enter the gear ratio in the box (□) within the model name.

•A colored background indicates gear shaft rotation in the same direction as the motor shaft, while the others rotate in the opposite direction.

The speed is calculated by dividing the motor's synchronous speed (50 Hz: 1500 r/min, 60 Hz: 1800 r/min) by the gear ratio.

The actual speed is 2 - 20% less than the displayed value, depending on the size of the load.

To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead (gear ratio: 10) between the gearhead and the motor. In that case, the permissible torque is 3 N·m.

\Diamond 50	Hz
\bigcirc 50	ΗZ

⊘50 Hz																				Uni	t = N•m	
Model	Speed r/min	500	416	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	Ŧ
Motor/ Gearhead	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	gh-Spe
2RK6GN-AW2MJ 2RK6GN-CW2MJ 2RK6GN-CW2ME 2IK6GN-SW2M	2GN⊡S	0.12	0.14	0.20	0.24	0.30	0.36	0.50	0.60	0.71	0.89	1.1	1.3	1.6	1.9	2.4	2.9	3	3	3	3	ed Type

A 60 LI-

<>60 Hz																				Uni	it = N•m
Model	Speed r/min	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
Motor/ Gearhead	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
2RK6GN-AW2MJ 2RK6GN-AW2MU 2RK6GN-CW2MJ 2RK6GN-CW2ME 2IK6GN-SW2M	2GN⊡5	0.10	0.12	0.17	0.20	0.25	0.30	0.42	0.50	0.60	0.75	0.90	1.1	1.4	1.6	2.0	2.4	2.7	3	3	3

Permissible Overhung Load and Permissible Thrust Load

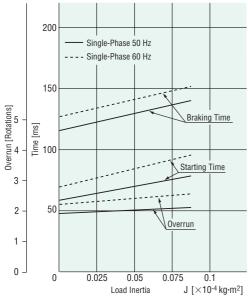
Motor (Round shaft type) → Page 107 Gearhead → Page 107

Permissible Load Inertia J for Gearhead

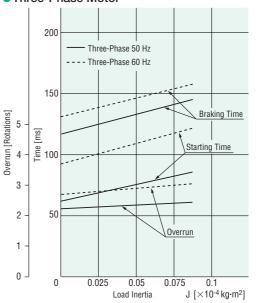
→ Page 107

Starting and Braking Characteristics (Reference Values)

Single-Phase Motor



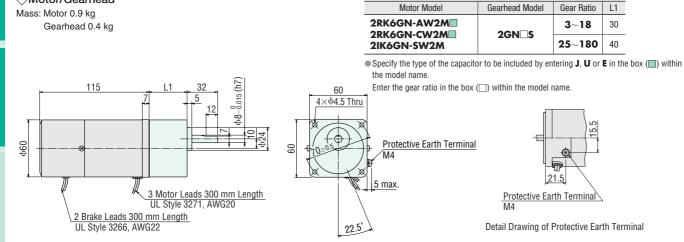
Three-Phase Motor



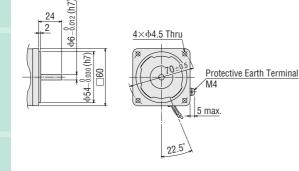
Accessories

Dimensions (Unit = mm)

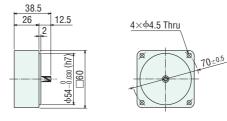
Mounting screws are included with gearheads.



♦ Shaft Section of Round Shaft Type The mass and motor's dimensions (excluding the shaft section) are the same as those of the pinion shaft type.

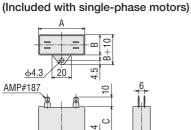


◇Decimal Gearhead Can be connected to GN pinion shaft type. 2GN10XS Mass: 0.2 kg



W 09

W 06



Mo	del	Capacitor	Α	В	С	Mass	Capacitor		
Pinion Shaft Type	Round Shaft Type	Model				(g)	Сар		
2RK6GN-AW2MJ	2RK6A-AW2MJ	CH45FAUL2	37	18	27	30			
2RK6GN-AW2MU	2RK6A-AW2MU	CH35FAUL2	31	17	27	25	Included		
2RK6GN-CW2MJ	2RK6A-CW2MJ	CH10BFAUL	37	18	27	30	Included		
2RK6GN-CW2ME	2RK6A-CW2ME	CH08BFAUL	31	17	27	20			

8 W

15 W

25 W

40 W

High-speed type

Torque Motors

Right-Angle Gearheads

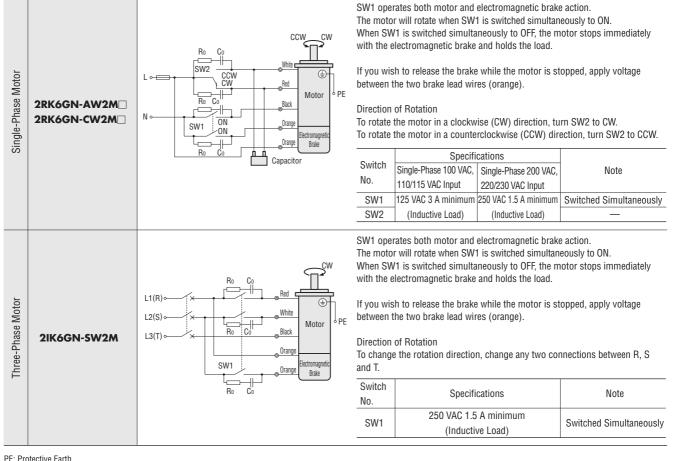
Brake Pack SB50W

Accessories

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.

Connection diagrams are also valid for the equivalent round shaft type.

Specify the type of the capacitor to be included by entering J, U or E in the box (
) within the model name.



PE: Protective Earth

● R₀ and C₀ indicate surge suppressor circuit. [R₀=5~200 Ω, C₀=0.1~0.2 μF, 200 WV (400 WV)]

EPCR1201-2 is available as an optional surge suppressor. → Page 123