

# INDUCTION MOTORS

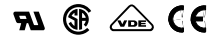
Single-Phase

## 3W (1/249 HP)

Frame Size 2.36 in.sq.(60mm sq.)



### Specifications — Continuous Rating



Model		Output Power		Voltage	Frequency	Current	Starting Torque		Rated Torque		Rated Speed	Capacitor
Pinion Shaft Type	Round Shaft Type	HP	W	V AC	Hz	A	oz-in	mN·m	oz-in	mN·m	r/min	μF
<b>2IJ3GB-AUL</b>	<b>2IJ3A-AULA</b>	1/249	3	115	60	0.14	3.5	25	2.9	21	1450	1.5

•These products are impedance protected.

### Gearmotor — Torque Table

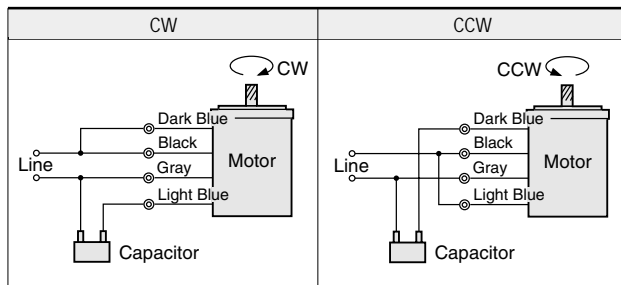
The maximum permissible torque with a decimal gearhead with a gear ratio of 10 is 13 lb-in (1.5 N·m)

Unit = Upper values: lb-in / Lower values: 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	7.2	6	5
	Gear Ratio	<b>3</b>	<b>3.6</b>	<b>5</b>	<b>6</b>	<b>7.5</b>	<b>9</b>	<b>12.5</b>	<b>15</b>	<b>18</b>	<b>25</b>	<b>30</b>	<b>36</b>	<b>50</b>	<b>60</b>	<b>75</b>	<b>90</b>	<b>100</b>	<b>120</b>	<b>150</b>	<b>180</b>	<b>250</b>	<b>300</b>	<b>360</b>
<b>2IJ3GB-AUL / 2GB□KA</b>	0.44	0.53	0.73	0.88	1.1	1.3	1.8	2.2	2.6	3.3	4.0	4.8	6.0	7.2	9.0	11	12	13	13	13	13	13	13	13
	0.051	0.061	0.085	0.11	0.13	0.15	0.21	0.26	0.31	0.38	0.46	0.55	0.69	0.83	1.0	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5

- Gearheads are sold separately.
- Enter the gear ratio in the box (□) within the model number. A colored background indicates gear shaft rotation in the same direction as the motor shaft; a white background indicates rotation in the opposite direction.
- The speed is calculated by dividing the motor's synchronous speed (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.

### Wiring Diagrams



The direction of motor rotation is as viewed from the shaft end of the motor.

Change the direction of 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 of rotation after some delay.

## ■ Dimensions Scale 1/4, Unit = inch (mm)

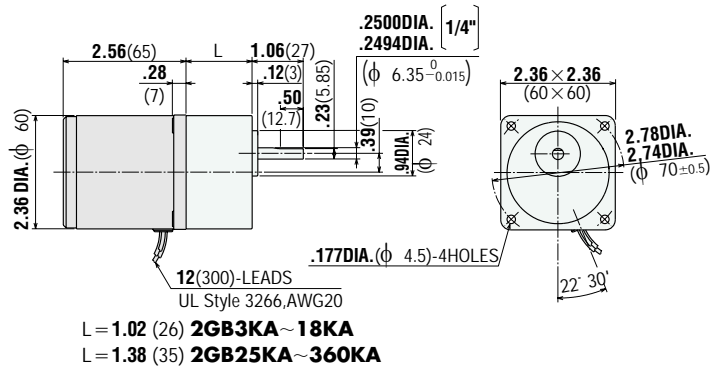
### ● Motor/Gearhead

#### 2IJ3GB-AUL

Weight (Mass): 1.3 lb.(0.6 kg)

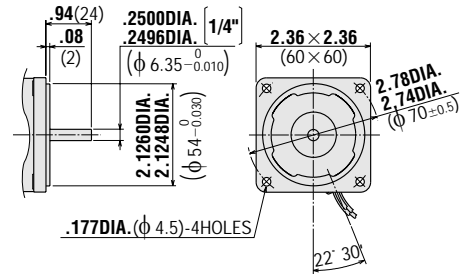
#### 2GB□KA

Weight (Mass): 0.66 lb.(0.3 kg)



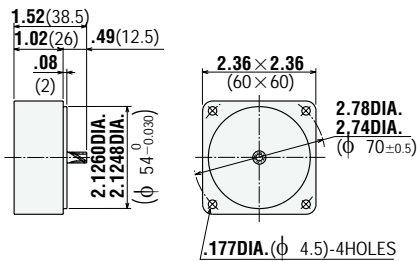
#### 2IJ3A-AULA Round Shaft Type

Weight (Mass): 1.3 lb.(0.6 kg)

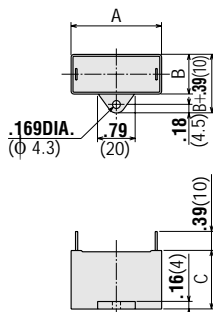


### ● Decimal Gearhead

**2GB10XK** Weight (Mass): 0.44 lb.(0.2 kg)



### ● Capacitor (included with the motor)



Motor Model	Capacitor Model	Dimensions inch (mm)			Weight oz (g)
		A	B	C	
<b>2IJ3GB-AUL</b>	CH15BUL	1.46	.71	1.06	0.81 (23)
<b>2IJ3A-AULA</b>		(37)	(18)	(27)	

Capacitor cap is provided with the capacitor.

## ■ Accessories

### ● Motor Mounting Brackets

Optional die-cast aluminum mounting brackets are available. They can be used to install motors with or without gearheads. See page [A-266] for the dimensions.

Model name **SOL2U08**



### ● Flexible Coupling

Optional clamping couplings are available. See page [A-260] for the dimensions.

