



ORIENTAL MOTOR U.S.A. Corp.
570 Alaska Avenue
Torrance, CA 90503
1-800-GO-VEXTA (468-3982)

Item # 2IK6GN-CW2E, 6 W (1/125 HP) World K Series AC Motors Induction Pinion Shaft Motor (Single-Phase 220/230 VAC)



Induction motors are optimal for uni-directional continuous operation such as a conveyor system.

- Optimal for uni-directional continuous operation
- Conform to safety standards and global power supply voltages
- Gearhead Required



Web Price

\$91.00

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Specifications

Available to Ship ¹	Up to 10 pcs as of 6:30am EST Estimated Ship: 08/26/2025
Product Line	Oriental Motor®
Motor Type	Induction
Frame Size	2.36 in
Output Power	6 W (1/125 HP)
Voltage (VAC)	Single-Phase 220/230 VAC
Frequency (Hz)	60 50
Current	0.091 A [220 VAC, 60 Hz] 0.094 A [230 VAC, 60 Hz] 0.103 A [220 VAC, 50 Hz] 0.107 A [230 VAC, 50 Hz]
Shaft/Gear Type	Pinion Shaft (Gearhead required - sold separately)
Type	Lead Wire
RoHS Compliant	Yes

Safety Standards	UL CSA CCC EN CE
CE Marking	Low Voltage Directives
Electromagnetic Brake	Not Equipped
Insulation Resistance	100 MΩ or more when 500 VDC megger is applied between the windings and the frame after rated motor operation under normal ambient temperature and humidity.
Dielectric Strength	Sufficient to withstand 1.5 kV at 50 Hz or 60 Hz applied between the windings and the frame for 1 minute after rated motor operation under normal ambient temperature and humidity.
Temperature Rise	Temperature rise of windings are 144°F (80°C) or less measured by the resistance change method after rated motor operation with connection to gearhead.
Insulation Class	Class B (266°F [130°C])
Overheat Protection	Impedance protection
Ambient Temperature Range	14°F ~ 104°F (-10°C ~ 40°C) (nonfreezing)
Ambient Humidity	85% maximum (noncondensing)
Degree of Protection	IP20




Dimensions

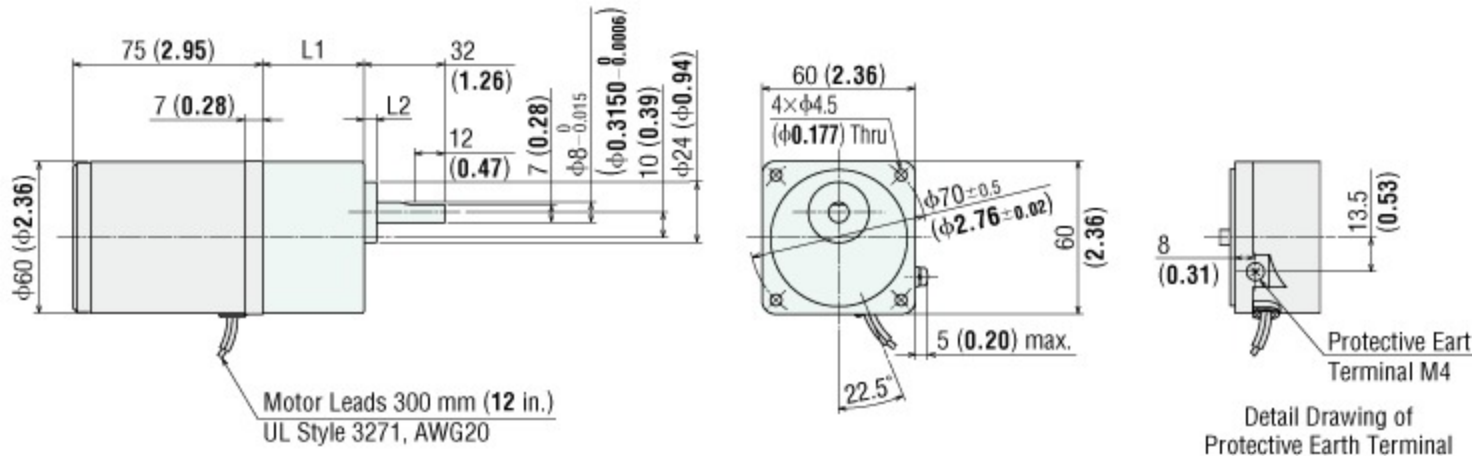


Dimensions [Unit: mm (in.)]

Motor and Parallel Shaft Gearhead

Lead Wire Type

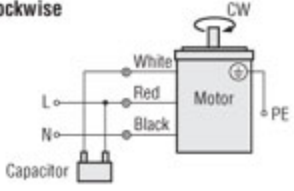
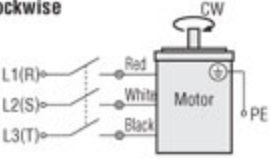
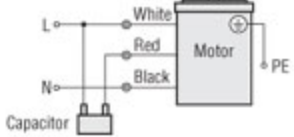
Motor Product Name	Gearhead Product Name	Gear Ratio	L1	L2	Mass kg (lb.)	
					Motor	Gearhead
2IK6GN-AW2 	2GN  K	3~18	30 (1.18)	3 (0.12)	0.7 (1.54)	0.24 (0.53)
2IK6GN-CW2 		25~36	40 (1.57)			0.31 (0.68)
2IK6GN-SW2		50~180				0.34 (0.75)



- The installation screws are included with the gearhead.
- Either **J**, **U**, or **E** indicating the type of capacitor included is entered where the box is located within the product name.
A number indicating the gear ratio is entered where the box is located within the product name.

■ Connection Diagrams

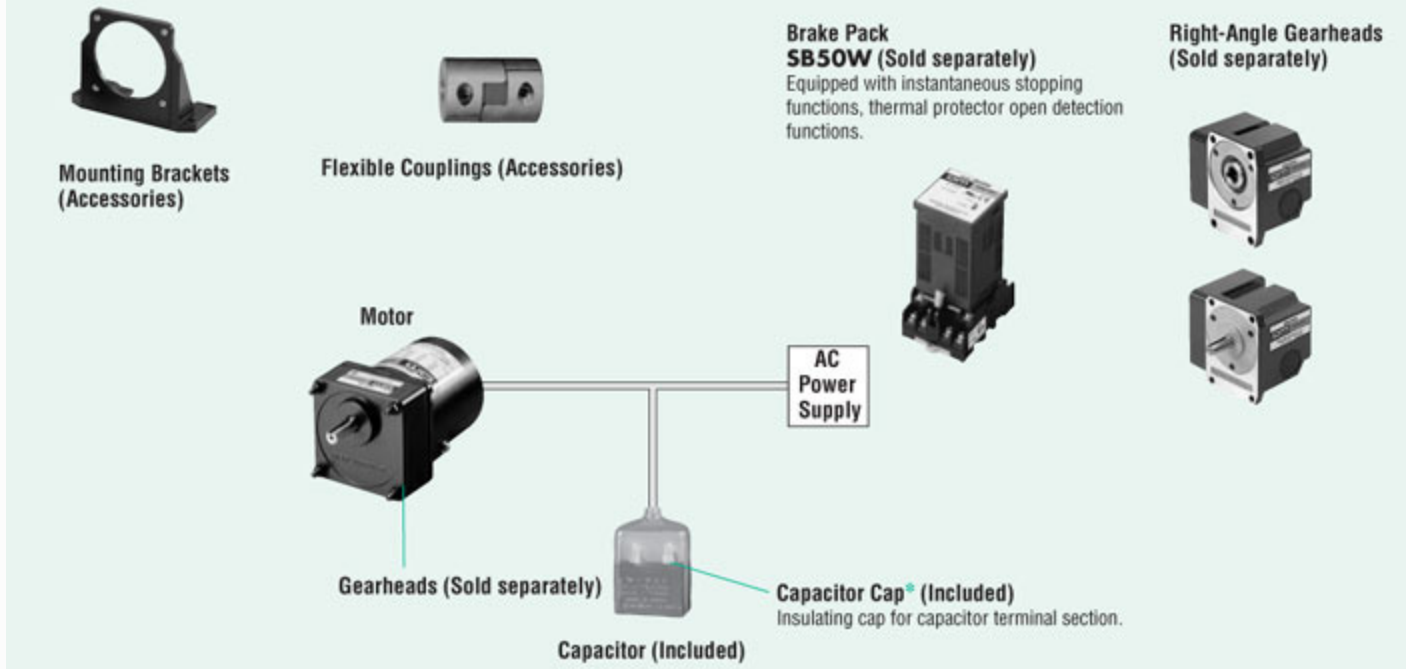
- The direction of motor rotation is as viewed from the shaft end of the motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Connection diagrams are also valid for the equivalent round shaft type.

2IK6GN-AW2U 2IK6GN-CW2E	2IK6GN-SW2
<p>Clockwise</p> 	<p>Clockwise</p> 
<p>Counterclockwise</p> 	<p>Counterclockwise</p> <p>To change the rotation direction, change any two connections between R, S and T.</p>

PE: Protective Earth

Note:
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, motor may ignore reversing command or change its direction of rotation after some delay.

System Configuration



¹ Quoted Ship Date for orders placed before 12:00 pm PST. Quantities may affect Shipping Date.