




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

All Categories - Shop Online > Components > AC Motor Components > Pinion Shaft Motors (for use with gearheads) > Item # BHI62ST-G2

Item # BHI62ST-G2, Induction Motor



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

- The smallest frame size (4.09 inch [104 mm]) in the 1/3.73 HP (200 W) output class
- Approved under typical international safety standards; bears the CE marking
- Gearhead required

Web Price

\$222.00



Specifications | Connection

| Specifications                 |  |
|--------------------------------|--|
| Available to Ship <sup>1</sup> | Contact your local sales office for product lead-times, available to ship dates and shipping methods.  |
| Product Line                   | Oriental Motor®  |
| Motor Type                     | Induction  |
| Frame Size                     | 4.09 in  |
| Output Power                   | 200 W (1/4 HP)   |
| Voltage (VAC)                  | Three-Phase 200/220/230 VAC  |
| Frequency (Hz)                 | 60<br>50   |
| Current                        | 0.95 A [220/230 VAC]<br>1.1 A [200 VAC]  |
| Shaft/Gear Type                | Pinion Shaft (Gearhead required - sold separately)   |
| Type                           | Terminal Box   |
| RoHS Compliant                 | Yes  |
| Safety Standards               | UL<br>CSA<br>CCC<br>CE   |
| CE Marking                     | Low Voltage Directives   |
| Electromagnetic Brake          | Not Equipped   |
| Insulation Resistance          | 100 MΩ or more when 500 VDC is applied between the windings and the case after rated motor operation under normal ambient temperature and humidity.                                  |
| Dielectric Strength            | Sufficient to withstand 1.5 kVAC at 50 Hz or 60 Hz applied between the windings and the case for 1 minute after rated motor operation under normal ambient temperature and humidity. |
| Temperature Rise               | Temperature rise of windings are 126°F (70°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            | Built-in thermal protector (Automatic return type). Operating temperature, open: 302°F ± 9°F (150°C ± 5°C) close: 204.8°F ± 27°F (96°C ± 15°C)                                       |
| Ambient Temperature Range      | 14°F ~ 104°F (-10°C ~ 40°C) [Three-phase 200 VAC: 14°F ~ 122°F (-10°C ~ 50°C)] (non-freezing)  |
| Ambient Humidity               | 85% or less (Non-condensing)   |
| Degree of Protection           | IP54   |
| Connection                     |  |

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.
- Enter the voltage (F, E) in the box ( ) within the model name.

| Motor Type                          | Single-Phase Induction Motor            |   | Three-Phase Induction Motor   |   |
|-------------------------------------|---|---|---|---|
|                                     | Cable Type                              | Terminal Box Type*                        | Cable Type  | Terminal Box Type*  |
| Combination Type:<br>Parallel Shaft | <b>BHI62-3~9</b><br><b>BHI62-50~180</b> | <b>BHI62T-3~9</b><br><b>BHI62T-50~180</b> | <b>BHI62S-3~9</b><br><b>BHI62S-50~180</b>   | <b>BHI62ST-3~9</b><br><b>BHI62ST-50~180</b>   |
|                                     | <b>Clockwise</b><br>                    | <b>Clockwise</b><br>                      | <b>Clockwise</b><br>  | <b>Clockwise</b><br>  |
|                                     | <b>Counterclockwise CCW</b><br>         | <b>Counterclockwise</b> CCW<br>           | <b>Counterclockwise</b><br>To change the rotation direction, change any two connections between L1(R), L2(S) and L3(T). | <b>Counterclockwise</b><br>To change the rotation direction, change any two connections between L1(R), L2(S) and L3(T). |
|                                     | <b>BHI62-12.5~36</b>                    | <b>BHI62T-12.5~36</b>                     | <b>BHI62S-12.5~36</b>   | <b>BHI62ST-12.5~36</b>  |
|                                     | <b>Clockwise</b><br>                    | <b>Clockwise</b><br>                      | <b>Clockwise</b><br>  | <b>Clockwise</b><br>  |
|                                     | <b>Counterclockwise CCW</b><br>         | <b>Counterclockwise</b> CCW<br>           | <b>Counterclockwise</b><br>To change the rotation direction, change any two connections between L1(S), L2(R) and L3(T). | <b>Counterclockwise</b><br>To change the rotation direction, change any two connections between L1(S), L2(R) and L3(T). |

PE: Protective Earth  
\* Connecting to the terminal  
Applicable lead wires: AWG24~12  
Strip length: 8 mm (0.315 in.)

- 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.

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