

## 2. Checking the package contents

### 2.1 Checking the contents

Make sure that you have received all of the items listed below. If an accessory is missing or damaged, contact the nearest ORIENTAL MOTOR office.

- Motor..... 1
- Capacitor ..... 1 (for only single-phase motors)
- Capacitor cap..... 1 (for only single-phase motors)
- Key..... 1 (for only combination types)
  - For **BH6G2-□** and **BH6G2-□RA**, a key is fixed on the gearhead's shaft.
- Set of mounting bolts..... 1 (for only combination types **BH6G2-□**)
- Mounting screws..... 4
- Nuts ..... 4
- Washers..... 4
- Spring washers..... 4
- Instructions and Precautions for Safe Use ..... 1

### 2.2 Checking the product name

This operation manual covers the following products.

Make sure that the product is the one you ordered and is listed below by checking the model number listed on the nameplate.

Verify that the voltage and output listed on the nameplate are appropriate for your application and that the correct value capacitor has been provided.

#### ■ Combination types

Model *1	Motor model	Capacitor model	Gearhead model *2
<b>BHI62AMT-□</b>	<b>BHI62AMT-G2</b>	<b>CH470CFAUL</b>	<b>BH6G2-□</b> <b>BH6G2-□RA</b> <b>BH6G2-□RH</b>
<b>BHI62CMT-□</b>	<b>BHI62CMT-G2</b>	<b>CH120BFAUL</b>	
<b>BHI62EMT-□</b>	<b>BHI62EMT-G2</b>	<b>CH100BFAUL</b>	
<b>BHI62FMT-□</b>	<b>BHI62FMT-G2</b>	<b>CH400CFAUL2</b>	
<b>BHI62SMT-□</b>	<b>BHI62SMT-G2</b>	—	

#### ■ Separate types (Pinion shaft types), Round shaft types

Model	Shaft type	Capacitor model	Gearhead model *2
<b>BHI62AMT-G2</b>	Pinion Shaft	<b>CH470CFAUL</b>	<b>BH6G2-□, BH6G2-□RA, BH6G2-□RH</b>
<b>BHI62AMT-A</b>	Round Shaft	<b>CH470CFAUL</b>	—
<b>BHI62CMT-G2</b>	Pinion Shaft	<b>CH120BFAUL</b>	<b>BH6G2-□, BH6G2-□RA, BH6G2-□RH</b>
<b>BHI62CMT-A</b>	Round Shaft	<b>CH120BFAUL</b>	—
<b>BHI62EMT-G2</b>	Pinion Shaft	<b>CH100BFAUL</b>	<b>BH6G2-□, BH6G2-□RA, BH6G2-□RH</b>
<b>BHI62EMT-A</b>	Round Shaft	<b>CH100BFAUL</b>	—
<b>BHI62FMT-G2</b>	Pinion Shaft	<b>CH400CFAUL2</b>	<b>BH6G2-□, BH6G2-□RA, BH6G2-□RH</b>
<b>BHI62FMT-A</b>	Round Shaft	<b>CH400CFAUL2</b>	—
<b>BHI62SMT-G2</b>	Pinion Shaft	—	<b>BH6G2-□, BH6G2-□RA, BH6G2-□RH</b>
<b>BHI62SMT-A</b>	Round Shaft	—	—

Gearheads are sold separately.

With combination types, the motor and gearhead are pre-assembled.

\*1 The gear ratio appears at the position in the model number indicated by the box (□).

For example, **BHI62SMT-50** means that the model is equipped with a 50 : 1 gear ratio.

For right angle shaft type, there is **RA** or **RH** in the end of the model number.

\*2 The gear ratio appears at the position in the gearhead model number indicated by the box (□).

Motors are recognized by UL.

- ◆ **Standards** UL1004-1, UL1004-3, CSA C22.2 No.100, CSA C22.2 No.77, GB/T 12350
- ◆ **Certification body** UL File No. E64197, CQC
- ◆ **Applications for standards** EN60950-1, EN60034-1, EN60034-5, EN60664-1

A running heating test and a locked-rotor test has been conducted with a aluminium radiation plate of size indicated below. For the motor with a gearhead, tests has been conducted with a gearhead instead of the radiation plate. [Unit: mm (inch)]

Size	Thickness	Material
230×230 (9.06×9.06)	5 (0.20)	aluminium

- ◆ **Installation conditions** Overvoltage category III , Pollution degree 3 (except for the motor installation surface of the round shaft type), Class I equipment (For EN standard)
- ◆ **Standards for accessories** Capacitor: UL File No. E83671 (CYWT2)  
Capacitor cap: UL File No. E56078 (YDTU2)
- ◆ **Electrical appliance and material safety law**

The three-phase round shaft motor type bears a (E) mark.  
Measurement of noise power and noise terminal voltage, as required by the electrical appliance and material safety law is conducted with a mains filter connected. For the mains filter, use the following product or equivalent.

Manufacturer	Three-phase 200-230V
Schaffner EMC	FN3025HP-10-71
SOSHIN ELECTRIC CO.,LTD	HF3010C-SZA

- ◆ **RoHS Directive** This product does not contain the substances exceeding the restriction values.