

AC Speed Control Motors US Series

For details on this product please refer to our website, contact technical support or your nearest Oriental Motor sales office.
www.orientalmotor.com

The **US Series** is a panel mounted control unit and speed control motor package, which conforms to the RoHS Directive. Wiring is performed by connecting with easy-to-use connectors. This series is optimal for easy speed control applications.

- Instantaneous stop function is not equipped.



- For detailed product safety standard information including standards, file number and certification body, please visit www.orientalmotor.com.



(Gearhead sold separately)

Product Line

● US Series (RoHS)

Output Power	Power Supply Voltage	Model	
		Pinion Shaft Type	Round Shaft Type
6 W (1/125 HP)	Single-Phase 110/115 VAC	US206-401U2	US206-001U2
	Single-Phase 220/230 VAC	US206-402E2	US206-002E2
15 W (1/50 HP)	Single-Phase 110/115 VAC	US315-401U2	US315-001U2
	Single-Phase 220/230 VAC	US315-402E2	US315-002E2
25 W (1/30 HP)	Single-Phase 110/115 VAC	US425-401U2	US425-001U2
	Single-Phase 220/230 VAC	US425-402E2	US425-002E2
40 W (1/19 HP)	Single-Phase 110/115 VAC	US540-401U2	US540-001U2
	Single-Phase 220/230 VAC	US540-402E2	US540-002E2
60 W (1/12 HP)	Single-Phase 110/115 VAC	US560-501U2	US560-001U2
	Single-Phase 220/230 VAC	US560-502E2	US560-002E2
90 W (1/8 HP)	Single-Phase 110/115 VAC	US590-501U2	US590-001U2
	Single-Phase 220/230 VAC	US590-502E2	US590-002E2

● Parallel Shaft Gearhead (Sold separately)

◇ Long Life, Low Noise **GN-S** Gearhead (RoHS)

Applicable Motor Output Power (Pinion shaft)	Gearhead Model	Gear Ratio
6 W (1/125 HP)	2GN□SA	3~180
	2GN10XS (Decimal gearhead)	
15 W (1/50 HP)	3GN□SA	3~180
	3GN10XS (Decimal gearhead)	
25 W (1/30 HP)	4GN□SA	3~180
	4GN10XS (Decimal gearhead)	
40 W (1/19 HP)	5GN□SA	3~180
	5GN10XS (Decimal gearhead)	

The following items are included in each product.
Gearhead, Mounting Screws, Operating Manual

- The following gearheads are also available. For details, please refer to website (www.orientalmotor.com) or contact the nearest Oriental Motor sales office.

Gearhead Type	Gearhead Model	Gear Ratio
Parallel Shaft (RoHS) GN-K Gearhead	2GN□KA	3~180
	2GN10XK (Decimal gearhead)	
	3GN□KA	3~180
	3GN10XK (Decimal gearhead)	
	4GN□KA	3~180
	4GN10XK (Decimal gearhead)	
	5GN□KA	3~180
	5GN10XK (Decimal gearhead)	

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

The following items are included in each product.
Motor, Control Unit, Capacitor*, Capacitor Cap*,
Mounting Screws for Control Unit, Operating Manual
* Only for 60 W (1/12 HP) and 90 W (1/8 HP) types

◇ GU Gearhead (RoHS)

Applicable Motor Output Power (Pinion shaft)	Gearhead Model	Gear Ratio
60 W (1/12 HP)	5GU□KA	3~180
90 W (1/8 HP)	5GU10XKB (Decimal gearhead)	

The following items are included in each product.
Gearhead, Mounting Screws, Parallel Key, Operating Manual

● Right-Angle Gearhead (Sold separately)

◇ Hollow Shaft Type (RoHS)

Applicable Motor Output Power (Pinion shaft)	Gearhead Model	Gear Ratio
25 W (1/30 HP)	4GN□RH	3~180
40 W (1/19 HP)	5GN□RH	3~180
60 W (1/12 HP) 90 W (1/8 HP)	5GU□RH	3~180

The following items are included in each product.
Gearhead, Mounting Screws, Parallel Key, Safety Cover (with screws), Gasket, Operating Manual

◇ Solid Shaft Type (RoHS)

Applicable Motor Output Power (Pinion shaft)	Gearhead Model	Gear Ratio
25 W (1/30 HP)	4GN□RAA	3~180
40 W (1/19 HP)	5GN□RAA	3~180
60 W (1/12 HP) 90 W (1/8 HP)	5GU□RAA	3~180

The following items are included in each product.
Gearhead, Mounting Screws, Parallel Key*, Gasket, Operating Manual
*Only for the products with a key slot on the output shaft

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

Introduction	
BX	Brushless Motors
BIF	AC Input
BLE	AC Input
BLU	AC Input
BLH	DC Input
BLV	DC Input
BHF	AC Speed Control Motors
FE100 / FE200	AC Speed Control Motors
ES01 / ES02	AC Speed Control Motors
US	US
Accessories	Accessories
Installation	Installation

