Standard AC Motors

Induction Motors

Induction Motors

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Brake Motors

Clutch & **Brake Motors**

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

	Page
Features and Types of Induction Motors	E-34
General Specifications	E-38
KI Series [6 W~90 W (1/125 HP~1/8 HP)]··········	E-40
BH Series [200 W (1/4 HP)] ······	E-50

Induction Motors

KII Series

6 W (1/125 HP)

15 W (1/50 HP

25 W (1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

> 90 W (1/8 HP)

200 W (1/4 HP)



For detailed information about regulations and standards, please see to the Oriental Motor website.



- Induction motors can be operated easily from an AC power supply
- These products are suitable for unidirectional continuous operation



See Full Product Details Online www.orientalmotor.com

- Manual
- Specifications
- Dimensions

- CAD
- Characteristics
- Connection and Operation

■ Features of Induction Motors

• Optimal for Uni-Directional and Continuous Operation Induction motors are optimal for uni-directional and continuous operation, such as a conveyor system.

Easy Operation

A three-phase motor does not require a capacitor. All you need is to keep the motor connected to a three-phase power supply.

A single-phase motor can be operated simply by connecting it to a single-phase power supply via the included capacitor.

Extensive Product Line

The KII Series and BH Series are available.

We have products with an output power range of 6 W (1/125 HP) to 200 W (1/4 HP), so you can find a motor that meets your specific application.

Compatible with Various Gearheads

Motor, combined with a gearhead allows the motor speed to be reduced to the required speed or generate higher torque.

■Types of Induction Motors

Series	Series Features, Product Line		
KII Series	New Global Standard	Product	Line
	With a high performance gearhead built-in, it is the new	Frame Size	□60 mm (□2.36 in.)~□90 mm (□3.54 in.)
	global standard for standard AC motors. Features of the KII Series → Page E-35	Output Power	Terminal Box Type: 25 W \sim 90 W (1/30 HP \sim 1/8 HP) Lead Wire Type: 6 W \sim 90 W (1/125 HP \sim 1/8 HP)
	High Performance Gearhead	Туре	Terminal Box Type: Parallel shaft, Round Shaft Type Lead Wire Type: Parallel shaft, Round Shaft Type
عري ((ا		Voltage	Single-Phase 110/115 VAC, Single-Phase 220/230 VAC

BH Series



Smallest Frame Size among 200 W (1/4 HP) Motors

These motors achieve a high output of 200 W (1/4 HP) with a frame size of 104 mm (4.09 in.).

- Hypoid Gear Right-Angle Type is Available.
- "Combination Type" for Easy Installation

With each combination type, the motor and gearhead come pre-assembled for easy installation into your equipment.

 Conforms to Standards and Global Voltage Specifications

Tapped Hole at the Shaft End

The gearhead shaft features a tapped hole for convenient connection with loads.

Product Line

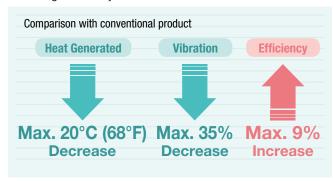
Frame Size	□104 mm (□4.09 in.)
Output Power	200 W (1/4 HP)
Туре	Terminal Box Type: Right-Angle, Hollow Shaft Type, Right-Angle, Solid Shaft Type, Parallel Shaft Type, Round Shaft Type Cable Type: Right-Angle, Hollow Shaft Type, Right-Angle, Solid Shaft Type, Parallel Shaft Type, Round Shaft Type
Voltage	Three-Phase 220/230 VAC Single-Phase 110/115 VAC Single-Phase 220/230 VAC

KII Series Features

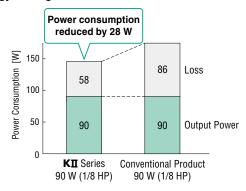
Excellent Motor Performance

The magnetic balance for each input voltage has been re-examined and the motors have been specially designed to optimize their characteristics.

Designing specifically for each voltage not only improves efficiency, but also contributes to equipment reliability by reducing heat and vibration generated by the motor.

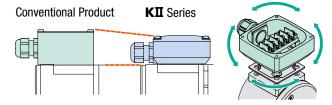


Energy Savings



Built-In Slim Body Terminal Box (Terminal Box Type)

A new shape of terminal box was designed to make wiring the terminal block easier. It is slimmer than conventional products, and the cable outlet can be rotated in 90° increments for 4 possible directions.



IP66 Compliant Drip-proof Specification

The seal structure for the motor, gearhead and terminal box components has been strengthened. The terminal box type is compliant with the IP66 degree of protection.

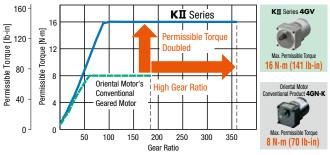
The IP indication that shows the watertight and dust-resistant performance are specified under IEC 60529 and IEC 60034-5.

Equipped with a High-Performance Gearhead

High Permissible Torque

The permissible torque is up to twice that of conventional products.

25 W (1/30 HP) Gearhead Output Torque (Permissible)



ODownsizing is Possible with the Same Output Torque

Downsizing is possible by replacing conventional products with the KII Series. If a smaller size motor can be selected, the power consumption and purchase cost can be reduced.



High Strength

The permissible radial load and the permissible axial load are up to twice that of conventional products.



Long-Life

At 10,000 hours, the rated life is twice that of a conventional product.

Noise Reduction

The contact noise of the motor and gearhead is approximately 6 dB less compared to a conventional product.

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Three-Phase Induction Motors

nduction Motors

Reversible Motors

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IP67 Watertight. Dust-Resistan

Brake Pack

AC Speed Control Motors

AC input

(1/50 HP)

25 W (1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

> 90 W (1/8 HP)

BH Series

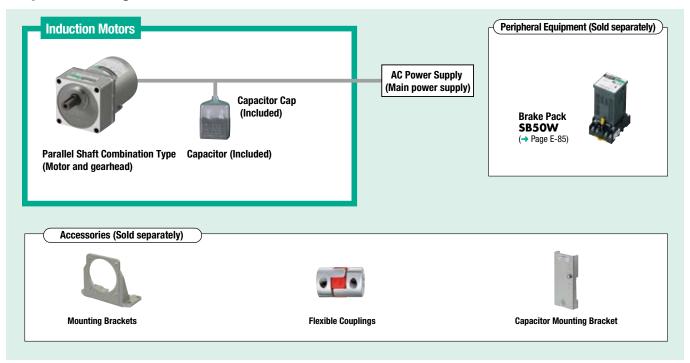
200 W (1/4 HP)

15 W

Product Line of Induction Motors

Motor Frame Size, Output Power □60 mm □70 mm □80 mm □90 mm □104 mm Series Voltage (VAC) Туре (2.36 in.) (2.76 in.) (3.15 in.) (3.54 in.) (4.09 in.) 6 W 15 W 25 W 40 W 60 W 90 W 200 W (1/125 HP) (1/50 HP) (1/30 HP) (1/19 HP) (1/12 HP) (1/8 HP) (1/4 HP) Terminal Box Single-Phase 110/115 Lead Wire \mathbf{KII} Series Single-Phase Terminal Box 220/230 Lead Wire • • Three-Phase Terminal Box 220/230 Cable Single-Phase Terminal Box **BH** Series 110/115 Cable Terminal Box Single-Phase 220/230 Cable

System Configuration



●Example of System Configuration Pricing

Induction Motors		Sold Separately	
Parallel Shaft Combination Type	+	Mounting Bracket	Flexible Couplings
4IK25UA-25A		SOL4UAF	MCL40F10F10
\$146.00		\$27.00	\$76.00

The system configuration shown above is an example. Other combinations are also available.

Product Number

● KII Series Parallel Shaft Combination Type

(1) 2 3 4 (5) 6 7 8

● KII Series Round Shaft Type

25

2 (3) 4 7 (5) (1)

1)	Motor Frame Size	2: 60 mm (2.36 in.) 3: 70 mm (2.76 in.)
		4 : 80 mm (3.15 in.) 5 : 90 mm (3.54 in.)
2	Motor Type	I: Induction Motor
3	Series	K: KII Series
4	Output Power (W)	(Example) 25: 25 W (1/30 HP)
(5)	Power Supply Voltage	UA: Single-Phase 110/115 VAC UC: Single-Phase 220/230 VAC
6	T2: Terminal Box Type Blank: L	ead Wire Type
7	Gear Ratio, Motor Shaft Type	Number: Gear Ratio of Combination Type A: Round Shaft Type
8	A: Imperial	

BH Series

T - 100 RH BH

3 4 (5) 1 2 6 7 8

1	Series	BH: BH Series
2	Motor Type	I: Induction Motor
3	Motor Frame Size	6 : 104 mm (4.09 in.)
4	Output Power (W)	(Example) 2: 200 W (1/4 HP)
(5)	Power Supply Voltage	S: Three-Phase 220/230 VAC F: Single-Phase 110/115 VAC
9		E: Single-Phase 220/230 VAC
6	T: Terminal Box Type Blank: Ca	able Type
7	Gear Ratio, Motor Shaft Type	Number: Gear Ratio of Combination Type A: Round Shaft Type
8	Type of Gearhead	RH: Right-Angle, Hollow Shaft Type
8)	(Combination type only)	RA: Right-Angle, Solid Shaft Type Blank: Parallel Shaft Type

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Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

■General Specifications

● KII Series

6 W (1/125 HP)

15 W (1/50 HP)

25 W (1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

90 W (1/8 HP)

BH Series 200 W (1/4 HP)

Item	Specifications
Insulation Resistance	100 M Ω or more when 500 VDC megger is applied between the windings and the case after rated operation under normal ambient temperature and humidity.
Dielectric Strength	Sufficient to withstand 1.5 kVAC at 60 Hz applied between the windings and the case for 1 minute after rated operation under normal ambient temperature and humidity.
Temperature Rise	Temperature rise of windings are 80°C (144°F) or less measured by the resistance change method after rated operation under normal ambient temperature and humidity with connecting a gearhead or equivalent heat radiation plate*1.
Thermal Class	130 (B)
Overheat Protection	6 W (1/125 HP) type has impedance protection. Other Types Built-In thermal protector (automatic return type) Open: 130±5°C (266±9°F), Close: 85±20°C (185±36°F)
Ambient Temperature	-10 ~ $+40^{\circ}$ C (+14~ $+104^{\circ}$ F) (non-freezing)
Ambient Humidity	85% or less (non-condensing)
Degree of Protection	Terminal Box Type: 25 W (1/30 HP), 40 W (1/19 HP) IP66*2 (excluding the installation surface of the round shaft type) : 60 W (1/12 HP), 90 W (1/8 HP) IP54 (excluding the installation surface of the round shaft type) Lead Wire Type: IP20

*1 Heat sink size (Material: Aluminum)

4- 1 TIOUT OILIN OILO (MUTOTIUI. 7 HUITIITUITI)		
Motor Type	Size: mm (in.)	Thickness: mm (in.)
6 W (1/125 HP)	115×115 (4.53×4.53)	
15 W (1/50 HP)	125×125 (4.92×4.92)	
25 W (1/30 HP)	135×135 (5.31×5.31)	5 (0.20)
40 W (1/19 HP)	165×165 (6.50×6.50)	
60 W (1/12 HP), 90 W (1/8 HP)	200×200 (7.87×7.87)	

*2 For materials and surface treatments

Terminal Box Type: IP66

Туре	Output	Material	Surface Treatment
Combination Type Round Shaft Type	25 W (1/30 HP), 40 W (1/19 HP)	Case and terminal box: Aluminum Output shaft: S45C Screws: Stainless steel (externally facing screws only)	Case and terminal box: Painted (excluding installation surface)

BH Series

Item	Specifications
Insulation Resistance	$100~M\Omega$ or more when 500 VDC megger is applied between the windings and the case after rated 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 operation under normal ambient temperature and humidity.
Temperature Rise	Temperature rise of windings are 70°C (126°F) or less measured by the resistance change method after rated operation under normal ambient temperature and humidity with connecting a gearhead or equivalent heat radiation plate*.
Thermal Class	130 (B)
Overheat Protection	Built-in thermal protector (automatic return type) Open: 150±5°C, (302±9°F), Close: 96±15°C (204.8±27°F)
Ambient Temperature	$-10\sim +40^{\circ}\text{C} (+14\sim +104^{\circ}\text{F}) \text{ (non-freezing)}$
Ambient Humidity	85% or less (non-condensing)
Degree of Protection	Terminal Box Type: IP54 (excluding the installation surface of the round shaft type) Cable Type: IP40

★Heat radiation plate: 230×230 mm (9.06×9.06 in.), Thickness: 5 mm (0.20 in.) (Material: Aluminum)

List of Motor and Gearhead Combinations

●KII Series

Туре	Product Name	Motor Product Name	Gearhead Product Name	
	4IK25UAT2-□A	4IK25GV-UAT2	4C\/□ A	
Terminal Box Type	4IK25UCT2-□A	4IK25GV-UCT2	4GV□A	
	5IK40UAT2-□A	5IK40GV-UAT2	5GV□A	
	5IK40UCT2-□A	5IK40GV-UCT2		
	5IK60UAT2-□A	5IK60GVH-UAT2		
	5IK60UCT2-□A	5IK60GVH-UCT2	JGVH∐A	
	5IK90UAT2-□A	5IK90GVR-UAT2	5GVR□A	
	5IK90UCT2-□A	5IK90GVR-UCT2	JGVK∐A	

BH Series

♦ Combination Type Right-Angle Shaft

Product Name	Motor Product Name	Gearhead Product Name
BHI62ST-□RH	BHI62ST-G2	BH6G2-□RH
BHI62ST-□RA	впю231-92	BH6G2-□RA
BHI62S-□RH	BHI62S-G2	BH6G2-□RH
BHI62S-□RA	впю23-92	BH6G2-□RA
BHI62FT-□RH	BHI62FT-G2	BH6G2-□RH
BHI62FT-□RA	впіодгі-Од	BH6G2-□RA
BHI62F-□RH	BHI62F-G2	BH6G2-□RH
BHI62F-□RA	впіодг-Од	BH6G2-□RA
BHI62ET-□RH	BHI62ET-G2	BH6G2-□RH
BHI62ET-□RA	впюдет-ба	BH6G2-□RA
BHI62E-□RH	BHI62E-G2	BH6G2-□RH
BHI62E-□RA	DHIOZE-GZ	BH6G2-□RA

Туре	Product Name	Motor Product Name	Gearhead Product Name
	2IK6UA-□A	2IK6GV-UA	2GV□A
	2IK6UC-□A	2IK6GV-UC	1 ZGV⊔A
	3IK15UA-□A	3IK15GV-UA	3GV□A
	3IK15UC-□A	Motor Product Name	JGV⊔A
	4IK25UA-□A	4lK25GV-UA	4GV□A
Lood Wire Tune	4IK25UC-□A	4lK25GV-UC	4GV⊔A
Lead Wire Type	5IK40UA-□A	5IK40GV-UA	5GV∏A
	5IK40UC-□A	5IK40GV-UC	J JGV∐A
	5IK60UA-□A	5IK60GVH-UA	5GVH□A
	5IK60UC-□A	5IK60GVH-UC	JGV⊓⊟A
	5IK90UA-□A	5IK90GVR-UA	5GVR□A
	5IK90UC-□A	5IK90GVR-UC	JGVK∐A

Product Name	Motor Product Name	Gearhead Product Name
BHI62ST-□	BHI62ST-G2	
BHI62S-□	BHI62S-G2	
BHI62FT-□	BHI62FT-G2	BH6G2-□
BHI62F-□	BHI62F-G2	впоС2-Ш
BHI62ET-□	BHI62ET-G2	
BHI62E-	BHI62F-G2	

Overview

Three-Phase Induction Motors

> Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

□60 mm (□2.36 in.)

KII Series Parallel Shaft Combination Type/Round Shaft Type



6 W (1/125 HP

(1/50 HP

(1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

90 W (1/8 HP)

BH Series 200 W (1/4 HP)

Specifications – Continuous Rating

™ (€ (€





Product Name Upper Level: Combination Type Lower Level: Round Shaft Type	Ou	tput	Voltage	Frequency	Current*	Starting	Torque	Rated	Torque	Rated Speed	Capacitor	Overheat Protection Device
Lead Wire Type	W	HP	VAC	Hz	Α	mN∙m	oz-in	mN∙m	oz-in	r/min	μF	Device
2IK6UA-□A	6	1/125	Single-Phase 110	60	0.185 (0.179)	40	5.6	41	5.8	1450	2.5	
2IK6A-UA	6	1/123	Single-Phase 115	00	0.189 (0.184)	40	3.0	41	5.0	1430	2.5	ZP
2IK6UC-□A	6	1/125	Single-Phase 220	60	0.093 (0.090)	40	5.6	41	5.8	1450	0.6	ZF
2IK6A-UC	ь	1/123	Single-Phase 230	00	0.096 (0.093)	40	3.6	41	5.0	1400	0.0	

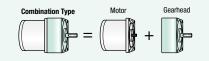
*The value inside the parentheses is the specification for the round shaft type.

The values in the table are characteristics for the motor only.

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.



Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9 , 12.5, 15, 18	\$121.00
2IK6UA-□A	25, 30, 36	\$127.00
ZIKOUA-LA	50, 60, 75, 90, 100, 120, 150, 180	\$134.00
	250 , 300 , 360	\$180.00
	5, 6, 7. 5, 9 , 12.5, 15, 18	\$124.00
2IK6UC-□A	25 , 30 , 36	\$130.00
ZIROUC-	50, 60, 75, 90, 100, 120, 150, 180	\$137.00
	250 , 300 , 360	\$183.00

The following items are included with each product.

Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

Round Shaft Type

Product Name	List Price
2IK6A-UA	\$64.00
2IK6A-UC	\$67.00

The following items are included with each product. Motor, Capacitor, Capacitor Cap, Operating Manual

Permissible Torque

The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	7.2	6	5
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	250	300	360
2IK6U□-□A		0.18	0.22	0.28	0.33	0.46	0.55	0.66	0.92	1.1	1.3	1.8	2.1	2.6	3.2	3.5	4.2	5.0	6	6	6	6
2IK6U□-□A		1.59	1.94	2.4	2.9	4.0	4.8	5.8	8.1	9.7	11.5	15.9	18.5	23	28	30	37	44	53	53	53	53

Permissible Radial Load and Permissible Axial Load

Permissible Inertia J of Combination Types

→ Page E-17

→ Page E-18

ZP: These products are impedance protected.

lacktriangle Either lacktriangle or lacktriangle in indicating the power supply voltage is specified where the box \Box is located in the product name. A number indicating the gear ratio is specified where the box \square is located in the product name.

15 W (1/50 HP)

□70 mm (□2.76 in.)

KII Series Parallel Shaft Combination Type/Round Shaft Type



Overview

Motors

Motors

Reversible Motors

Electromagnetic Brake Motors

Specifications – Continuous Rating





Product Name Upper Level: Combination Type Lower Level: Round Shaft Type	Output		Voltage	Frequency	Current Starting Torque		Rated	Torque	Rated Speed	Capacitor	Overheat Protection Device	
Lead Wire Type	W	HP	VAC	Hz	Α	mN∙m	oz-in	mN∙m	oz-in	r/min	μF	Device
3IK15UA-□A	15	1/50	Single-Phase 110	60	0.31	65	9.2	105	14.9	1450	4.0	
3IK15A-UA	13	1/30	Single-Phase 115	00	0.31	0.5	3.2	103	14.3	1430	4.0	TP
3IK15UC-□A	15	1/50	Single-Phase 220	60	0.154	65	9.2	105	14.9	1450	1.0	''
3IK15A-UC	13	1/30	Single-Phase 230	00	0.155	00	9.2	103	14.9	1430	1.0	

The values in the table are characteristics for the motor only.

Clutch & **Brake Motors**

Low-Speed Synchronous Motors

Torque

Motors

Dust-Resistant

Brake Pack

AC Speed

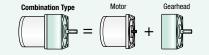
AC input

Control Motors

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.



Round Shaft Type

Product Name	List Price
3IK15A-UA	\$70.00
3IK15A-UC	\$72.00

The following items are included with each product. Motor, Capacitor, Capacitor Cap, Operating Manual

Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$132.00
3IK15UA-□A	25 , 30 , 36	\$138.00
JIK I JUA-	50, 60, 75, 90, 100, 120, 150, 180	\$145.00
	250, 300, 360	\$189.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$134.00
3IK15UC-□A	25 , 30 , 36	\$140.00
JIK I JUC-	50, 60, 75, 90, 100, 120, 150, 180	\$147.00
	250, 300, 360	\$191.00

The following items are included with each product.

Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

Permissible Torque

The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	7.2	6	5
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	250	300	360
3IK15U□-□A		0.47	0.57	0.71	0.85	1.2	1.4	1.7	2.4	2.7	3.3	4.5	5.4	6.8	8.1	9.0	10	10	10	10	10	10
		4.1	5.0	6.2	7.5	10.6	12.3	15.0	21	23	29	39	47	60	71	79	88	88	88	88	88	88

Permissible Radial Load and Permissible Axial Load

Permissible Inertia J of Combination Types

→ Page E-17

→ Page E-18

TP: This indicates that there is a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts automatically. Be sure to turn the power supply off before inspecting.

[■] Either A or C indicating the power supply voltage is specified where the box
is located in the product name. A number indicating the gear ratio is specified where the box \square is located in the product name.

15 W

(1/50 HP)

(1/30 H

(1/19 HP)

(1/12 HP)

90 W

(1/8 HP)

BH Series

200 W (1/4 HP)

25 W (1/30 HP)

□80 mm (□3.15 in.)

KII Series Parallel Shaft Combination Type/







Terminal Box Type

Rated Torque

oz-in

24

mN·m

170

170

Specifications – Continuous Rating



6.0

15



TP

		_	
ed Speed	Capacitor	Overheat Protection	
r/min	μF	Device	

-		ombination Type ound Shaft Type	Out	tput	Voltage	Frequency	
W P)	Terminal Box Type	Lead Wire Type	w	HP	VAC	Hz	ı
۱''	4IK25UAT2-□A	4IK25UA-□A	25	1/30	Single-Phase 110	60	ĺ
	4IK25A-UAT2	4IK25A-UA	25	1/30	Single-Phase 115	00	ĺ
w	AUVOCUCTO DA	AUCOSUIC TA			Cingle Dhose 220		ſ

The values in the table are characteristics for the motor only.

4IK25A-UC

Product Name

Single-Phase 230

Product Line

Combination Type

4IK25A-UCT2

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.

> Lead Wire Type Product Name

4IK25A-UA

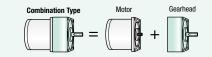
4IK25A-UC

List Price

\$77.00

\$80.00

1/30



1450

1450

● Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
4IK25UAT2-□A	5, 6, 7. 5, 9, 12.5, 15, 18	\$162.00
	25 , 30 , 36	\$168.00
	50, 60, 75, 90, 100, 120, 150, 180	\$175.00
	250, 300, 360	\$222.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$165.00
4IK25UCT2-□A	25, 30, 36	\$171.00
4IRZSUCIZ-LA	50, 60, 75, 90, 100, 120, 150, 180	\$178.00
	250, 300, 360	\$225.00

The following items are included with each product.

Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

Round Shaft Type

Product Name	List Price
4IK25A-UAT2	\$99.00
4IK25A-UCT2	\$102.00

The following items are included with each product. Motor, Capacitor, Capacitor Cap, Operating Manual

Starting Torque

oz-in

17.0

15.6

17.0

mN∙m

120

110

120

0.44

0.43

0.22

0.22

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$140.00
4IK25UA-□A	25, 30, 36	\$146.00
4INZSUA-LA	50, 60, 75, 90, 100, 120, 150, 180	\$153.00
	250, 300, 360	\$200.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$144.00
4IK25UC-□A	25, 30, 36	\$150.00
4IK25UCA	50, 60, 75, 90, 100, 120, 150, 180	\$157.00
	250, 300, 360	\$204.00

TP: This indicates that there is a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts automatically. Be sure to turn the power supply off before inspecting.

● The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	7.2	6	5	
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	250	300	360	
4IK25U□□-□A		0.77	0.92	1.1	1.4	1.9	2.3	2.8	3.8	4.4	5.3	7.3	8.8	11.0	13.2	14.6	16	16	16	16	16	16	
4IK25U	Α	6.8	8.1	9.7	12.3	16.8	20	24	33	38	46	64	77	97	116	129	141	141	141	141	141	141	

■ Either A or C indicating the power supply voltage is specified where the box ☐ is located in the product name. A code (T2) indicating the terminal box type is specified where the box ☐ is located in the product name.

A number indicating the gear ratio is specified where the box \square is located in the product name.

Permissible Radial Load and Permissible Axial Load

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→ Page E-17

Permissible Inertia J of Combination Types

→ Page E-18

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

15 W (1/50 HP)

25 W (1/30 HP)

(1/19 HP

(1/12 HP)

90 W

(1/8 HP)

BH Series 200 W (1/4 HP)

40 W (1/19 HP)

□90 mm (□3.54 in.)

KII Series Parallel Shaft Combination Type/ Round Shaft Type





Specifications – Continuous Rating





Produc Upper Level: C Lower Level: R	Ou	tput	Voltage	Frequency	Current	Starting	J Torque	Rated	Torque	Rated Speed	Capacitor	Overheat Protection Device	
Terminal Box Type	Lead Wire Type	w	HP	VAC	Hz	Α	mN·m	oz-in	mN∙m	oz-in	r/min	μF	Device
5IK40UAT2-□A	5IK40UA-□A	40	1/19	Single-Phase 110	60	0.66	200	28	260	36	1500	9.0	
5IK40A-UAT2	5IK40A-UA	40	1/19	Single-Phase 115	00	0.65	200	20	200	30	1300	9.0	TP
5IK40UCT2-□A	5IK40UC-□A	40	1/19	Single-Phase 220	60	0.33	200	28	260	36	1500	2.0	ir ir
5IKAOA-UCTO	5IKAOA-UC	40	1/19	Cingle Phone 220	00	0.22	200	20	200	30	1300	2.0	

The values in the table are characteristics for the motor only.

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.

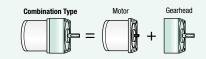
Product Name 5IK40A-UA

5IK40A-UC

List Price

\$94.00

\$97.00



● Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$191.00
5IK40UAT2-□A	25 , 30 , 36	\$198.00
JIN4UUAI Z-LA	50, 60, 75, 90, 100, 120, 150, 180	\$205.00
	250, 300	\$283.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$194.00
5IK40UCT2-□A	25, 30, 36	\$201.00
SIR4UUCI Z-LA	50, 60, 75, 90, 100, 120, 150, 180	\$208.00
	250, 300	\$286.00

The following items are included with each product.

Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

Round Shaft Type

Product Name	List Price
5IK40A-UAT2	\$116.00
5IK40A-UCT2	\$119.00

The following items are included with each product. Motor, Capacitor, Capacitor Cap, Operating Manual

Lead Wire Type

Product Name	Gear Ratio	List Price
5IK40UA-□A	5, 6, 7. 5, 9 , 12.5, 15, 18	\$169.00
	25, 30, 36	\$176.00
	50, 60, 75, 90, 100, 120, 150, 180	\$183.00
	250, 300	\$261.00
	5, 6, 7. 5, 9 , 12.5, 15, 18	\$173.00
5IK40UC-□A	25, 30, 36	\$180.00
JIK400C-LA	50, 60, 75, 90, 100, 120, 150, 180	\$187.00
	250 , 300	\$265.00

TP: This indicates that there is a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts automatically. Be sure to turn the power supply off before inspecting.

→ Page E-17

● The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name Speed r/min Gear Ratio	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	7.2	6	
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	250	300	
5IK40U□□-□A		1.2	1.4	1.8	2.1	2.9	3.5	4.2	5.6	6.7	8.0	11.2	13.4	16.8	20.1	22.4	25.3	30	30	30	30	
31K4UU	A	10.6	12.3	15.9	18.5	25	30	37	49	59	70	99	118	148	177	198	220	260	260	260	260	

lacktriangle Either lacktriangle or lacktriangle indicating the power supply voltage is specified where the box lacktriangle is located in the product name.

A code (T2) indicating the terminal box type is specified where the box \square is located in the product name.

A number indicating the gear ratio is specified where the box \square is located in the product name.

Permissible Radial Load and Permissible Axial Load

Permissible Inertia J of Combination Types

→ Page E-18

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

15 W (1/50 HP)

25 W (1/30 HP)

(1/19 HP)

(1/12 HP)

90 W (1/8 HP)

BH Series

200 W (1/4 HP)

60 W (1/12 HP)

□90 mm (□3.54 in.)

KII Series Parallel Shaft Combination Type/Round Shaft Type





Terminal Roy Tyne

Lead Wire Type

Specifications - Continuous Rating

W us	(0



Produc Upper Level: C Lower Level: R	Output		Voltage	Frequency	Current	Starting Torque		Rated	Torque	Rated Speed	Capacitor	Overheat Protection	
Terminal Box Type	Lead Wire Type	W	HP	VAC	Hz	Α	mN∙m	oz-in	mN∙m	oz-in	r/min	μF	Device
5IK60UAT2-□A	5IK60UA-□A	60	1/12	Single-Phase 110	60	1.09	320	45	405	57	1450	16	
5IK60A-UAT2	5IK60A-UA	00	1/12	Single-Phase 115	00	1.09	320	45	403	37	1430	10	TP
5IK60UCT2-□A	5IK60UC-□A	60	1/12	Single-Phase 220	60	0.53	320	45	405	57	1450	4.0	ir .
5IK60A-UCT2	5IK60A-UC	00	1/12	Single Phase 220	00	0.52	320	45	405	37	1430	4.0	

The values in the table are characteristics for the motor only.

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.

CLead Wire Type
Product Name

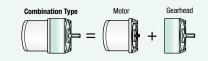
5IK60A-UA

5IK60A-UC

List Price

\$112.00

\$117.00



• Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
5IK60UAT2-□A	5, 6, 7. 5, 9, 12.5, 15, 18	\$245.00
	25, 30, 36, 50, 60, 75, 90, 100	\$256.00
	120, 150, 180	\$266.00
	250, 300	\$300.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$250.00
5IK60UCT2-□A	25 , 30 , 36 , 50 , 60 , 75 , 90 , 100	\$261.00
SIROUUCI 2-LA	120, 150, 180	\$271.00
	250, 300	\$305.00

The following items are included with each product.
 Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

♦ Lead Wire Type

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$224.00
5IK60UA-□A	25, 30, 36, 50, 60, 75, 90, 100	\$235.00
SIKOUUA-⊔A	120, 150, 180	\$245.00
	250, 300	\$279.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$228.00
5IK60UC-□A	25 , 30 , 36 , 50 , 60 , 75 , 90 , 100	\$239.00
SIKOUUC-LA	120, 150, 180	\$249.00
	250, 300	\$283.00

Round Shaft Type

Product Name	List Price
5IK60A-UAT2	\$133.00
5IK60A-UCT2	\$138.00

The following items are included with each product.

Motor, Capacitor, Capacitor Cap, Operating Manual

TP: This indicates that there is a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts automatically. Be sure to turn the power supply off before inspecting.

lacktriangle A number indicating the gear ratio is specified where the box \Box is located in the product name.

→ Page E-17

● The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	7.2	6	
FIGURE Name	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	250	300	
5IK60U	\	1.8	2.2	2.7	3.3	4.6	5.5	6.6	8.7	10.4	12.5	17.4	20.9	26.1	30	30	30	30	30	30	30	
JIKOOOP	•	15.9	19.4	23	29	40	48	58	76	92	110	153	184	230	260	260	260	260	260	260	260	

lacktriangle Either lacktriangle or lacktriangle indicating the power supply voltage is specified where the box lacktriangle is located in the product name.

A code (T2) indicating the terminal box type is specified where the box \square is located in the product name.

A number indicating the gear ratio is specified where the box \square is located in the product name.

Permissible Radial Load and Permissible Axial Load

Permissible Inertia J of Combination Types

→ Page E-18

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

15 W (1/50 HP)

25 W (1/30 HP)

(1/19 HP)

(1/12 HP)

60 W

90 W (1/8 HP)

200 W (1/4 HP)

90 W (1/8 HP)

□90 mm (□3.54 in.)

KII Series Parallel Shaft Combination Type/ Round Shaft Type





Specifications – Continuous Rating



L	t

Upper Level: C	ct Name ombination Type ound Shaft Type	0u	tput	Voltage Frequency		Current	Starting Torque		e Rated Torque		Rated Speed	Capacitor	Overheat Protection Device
Terminal Box Type	Lead Wire Type	W	HP	VAC	Hz	Α	mN∙m	oz-in	mN∙m	oz-in	r/min	μF	Device
5IK90UAT2-□A	5IK90UA-□A	90	1/8	Single-Phase 110	60	1.44	450	63	585	83	1500	20	
5IK90A-UAT2	5IK90A-UA	90	1/0	Single-Phase 115	00	1.44	430	03	303	00	1300	20	TP
5IK90UCT2-□A	5IK90UC-□A	90	1/8	Single-Phase 220	60	0.71	450	63	605	85	1450	5.0	11
5IK90A-UCT2	5IK90A-UC	90	1/0	Single-Phase 230	00	0.71	430	03	003	00	1430	5.0	

The values in the table are characteristics for the motor only.

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled. The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.

> Product Name

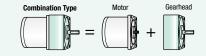
5IK90A-UA

5IK90A-UC

List Price

\$130.00

\$134.00



Parallel Shaft Combination Type Price includes motor and gearhead.

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$265.00
5IK90UAT2-□A	25 , 30 , 36 , 50 , 60	\$285.00
	75 , 90 , 100, 120, 150, 180	\$295.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$269.00
5IK90UCT2-□A	25 , 30 , 36 , 50 , 60	\$289.00
	75 , 90 , 100 , 120 , 150 , 180	\$299.00

The following items are included with each product.

Motor, Gearhead, Capacitor, Capacitor Cap, Installation Screws, Parallel Key, Operating Manual

Round Shaft Type

Product Name	List Price
5IK90A-UAT2	\$152.00
5IK90A-UCT2	\$156.00

The following items are included with each product. Motor, Capacitor, Capacitor Cap, Operating Manual

♦ Lead Wire Type

Product Name	Gear Ratio	List Price
	5, 6, 7. 5, 9, 12.5, 15, 18	\$243.00
5IK90UA-□A	25, 30, 36, 50, 60	\$263.00
	75 , 90, 100, 120, 150, 180	\$273.00
	5, 6, 7. 5, 9, 12.5, 15, 18	\$248.00
5IK90UC-□A	25, 30, 36, 50, 60	\$268.00
	<i>7</i> 5, 90, 100, 120, 150, 180	\$278.00

TP: This indicates that there is a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts automatically. Be sure to turn the power supply off before inspecting.

→ Page E-17

● The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is a max. of 30% less, depending on the load.

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	
Floudet Name	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	
5IK90UA □-□		2.6	3.2	3.9	4.7	6.6	7.9	9.1	12.6	15.1	18.1	25.2	30.2	35.5	40	40	40	40	40	
JINYUUA 🔠 - 🗆 I	•	23	28	34	41	58	69	80	111	133	160	220	260	310	350	350	350	350	350	
5IK90UC □-□A		2.7	3.3	4.1	4.9	6.8	8.2	9.4	13.0	15.6	18.7	26.0	31.2	36.8	40	40	40	40	40	
21K400C	•	23	29	36	43	60	72	83	115	138	165	230	270	320	350	350	350	350	350	

■ A code (T2) indicating the terminal box type is specified where the box ☐ is located in the product name.
A number indicating the gear ratio is specified where the box ☐ is located in the product name.

Permissible Radial Load and Permissible Axial Load

→ Page E-18

Permissible Inertia J of Combination Types

Three-Phase Induction Motors

Overview

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & Brake Motors

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

200 W (1/4 HP)

□104 mm (□4.09 in.)

High Power Induction Motors BH Series





Parallel Shaft

KII Series

6 W (1/125 HP)

15 W (1/50 HP)

25 W (1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

90 W (1/8 HP)

200 W (1/4 HP)

Features

High Power 200 W (1/4 HP)

Smallest frame size among 200 W (1/4 HP) motors

Hypoid Gear Right-Angle Gearheads

Right-angle gearheads employ hypoid gears. Hollow shafts and solid shafts are available to enable space-saving.

Tapped Hole at the Shaft End

The gearhead shafts feature a tapped hole for convenient connection

"Combination Type" for Easy Installation

The combination type comes with the motor and gearhead pre-assembled. This enables easy installation in equipment.

Specifications – Continuous Rating







Product Combinati (): Round S Terminal Box Type	on Type	Output Power W HP	Voltage VAC	Frequency	Current	Starting Torque N·m oz-in	Rated Torque N·m oz-in	Rated Speed	Capacitor µF	Overheat Protection Device
BHI62ST-□RH BHI62ST-□RA	BHI62S-□RH BHI62S-□RA	200	Three-Phase 220	- 60	0.95	1.23 174	1.23 174	1550	μι	ТР
BHI62ST-□ (BHI62ST-A)	BHI62S-□ (BHI62S-A)	1/4	Three-Phase 230	00	0.95	1.18 167	1.18 167	1600	-	ir ir
BHI62FT-□RH BHI62FT-□RA	BHI62F-□RH BHI62F-□RA	200	Single-Phase 110	- 60	3	0.88 124	1.27	1500	40	TP
BHI62FT-□ (BHI62FT-A)	BHI62F-□ (BHI62F-A)	1/4	Single-Phase 115	- 60	3	0.98 139	180	1300	40	.,
			Single-Phase 220	50			1.52 210	1250		
BHI62ET-□RH BHI62ET-□RA	BHI62E-□RH BHI62E-□RA	200	Single-Flidse 220	60	1.5	0.98	1.27 180	1500	10	ТР
BHI62ET-□ (BHI62ET-A)	BHI62E-□ (BHI62E-A)	1/4	Single-Phase 230	50	1.5	139	1.52 210	1250	10	I IP
			Single-rildse 250	60			1.27 180	1500		

lacktriangle A number indicating the gear ratio is entered where the box \Box is located within the product name.

The values for each specification applies to the motor only.

TP: Contains a built-in thermal protector (automatic return type). If a motor overheats for any reason, the thermal protector is activated and the motor is stopped. When the motor temperature drops, the thermal protector closes and the motor restarts. Be sure to turn the motor power off before inspecting.

Product Line

Combination Type

Motor and gearhead are delivered pre-assembled.

The combination of motors and gearheads can be changed and they are also available separately. In addition, the gearhead can be removed and the assembly position can be changed in 90° increments.

Combination Type

◇Right-Angle Shaft

Type	Voltage	Product Name	Gear Ratio	List Price
	Three-Phase 220/230 VAC	BHI62ST-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$433.00
	Tillee-Pilase 220/230 VAC	ршо2эі-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$453.00
Hollow Shaft	Cingle Phase 110/115 VAC	BHI62FT-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$426.00
Terminal Box	Single-Phase 110/115 VAC	ршо∠г г-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$446.00
	Cingle Phase 220/220 VAC	BHI62ET-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$433.00
	Single-Phase 220/230 VAC	ршо2Е1-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$453.00
	Three Dhage 200/220 VAC	BHI62S-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$403.00
	Three-Phase 220/230 VAC	ршо2э-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$423.00
Hollow Shaft	Cingle Phase 110/115 VAC	BHI62F-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$396.00
Cable	Single-Phase 110/115 VAC	ршо∠г-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$416.00
	Cingle Phase 220/220 VAC	BHI62E-□RH	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$403.00
	Single-Phase 220/230 VAC	ршо∠е-⊔кп	50, 60, 75, 90, 100, 120, 150, 180	\$423.00
	Three Dhage 200/220 VAC	BHI62ST-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$427.00
	Three-Phase 220/230 VAC	ршо2эі-⊔ка	50, 60, 75, 90, 100, 120, 150, 180	\$447.00
Solid Shaft	Single-Phase 110/115 VAC	BHI62FT-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$420.00
Terminal Box	Single-Phase 110/115 VAC	ВПЮ2ГІ-⊔КА	50, 60, 75, 90, 100, 120, 150, 180	\$440.00
	Cingle Phase 220/220 VAC	BHI62ET-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$427.00
	Single-Phase 220/230 VAC	ВПЮ2Е1-⊔КА	50, 60, 75, 90, 100, 120, 150, 180	\$447.00
	Three-Phase 220/230 VAC	BHI62S-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$397.00
	THEE-PHASE 220/230 VAC	ршо2э-⊔ка	50, 60, 75, 90, 100, 120, 150, 180	\$417.00
Solid Shaft	Cingle Phase 110/115 VAC	BHI62F-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$390.00
Cable	Single-Phase 110/115 VAC	D⊓IOZF-⊔KA	50, 60, 75, 90, 100, 120, 150, 180	\$410.00
	Cingle Phase 220/220 VAC	BHI62E-□RA	5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36	\$397.00
	Single-Phase 220/230 VAC	DUIO7E-TKW	50, 60, 75, 90, 100, 120, 150, 180	\$417.00

Motor, Gearhead, Capacitor*, Capacitor Cap*, Parallel Key, Operating Manual *Only for single-phase motors

The following items are included with each product. -

Overview

Three-Phase Induction Motors

Induction Motors

Reversible Motors

Electromagnetic Brake Motors

Clutch & **Brake Motors**

Low-Speed Synchronous Motors

Torque Motors

IP67 Watertight, Dust-Resistant Motors

Brake Pack

AC Speed Control Motors

AC input **DSC**

Type	Voltage	Product Name	Gear Ratio	List Price
			3, 3.6, 5, 6, 7.5, 9	\$371.00
	Three-Phase 220/230 VAC	BHI62ST-□	12.5, 15, 18, 25, 30, 36	\$381.00
			50, 60, 75, 90, 100, 120, 150, 180	\$391.00
			3, 3.6, 5, 6, 7.5, 9	\$364.00
Terminal Box	Single-Phase 110/115 VAC	BHI62FT-□	12.5, 15, 18, 25, 30, 36	\$374.00
			50, 60, 75, 90, 100, 120, 150, 180	\$383.00
			3, 3.6, 5, 6, 7.5, 9	\$371.00
	Single-Phase 220/230 VAC	BHI62ET-□	12.5, 15, 18, 25, 30, 36	\$381.00
			50, 60, 75, 90, 100, 120, 150, 180	\$391.00
			3, 3.6, 5, 6, 7.5, 9	\$342.00
	Three-Phase 220/230 VAC	BHI62S-□	12.5, 15, 18, 25, 30, 36	\$351.00
			50, 60, 75, 90, 100, 120, 150, 180	\$361.00
			3, 3.6, 5, 6, 7.5, 9	\$334.00
Cable	Single-Phase 110/115 VAC	BHI62F-□	12.5, 15, 18, 25, 30, 36	\$344.00
			50, 60, 75, 90, 100, 120, 150, 180	\$354.00
			3, 3.6, 5, 6, 7.5, 9	\$342.00
	Single-Phase 220/230 VAC	BHI62E-□	12.5, 15, 18, 25, 30, 36	\$351.00
			50, 60, 75, 90, 100, 120, 150, 180	\$361.00

The following items are included with each product. -Motor, Gearhead, Capacitor*, Capacitor Cap*, Installation Screws, Parallel Key, Operating Manual *Only for single-phase motors

Round Shaft Type

	71: -		
Type	Voltage	Product Name	List Price
	Three-Phase 220/230 VAC	BHI62ST-A	\$221.00
Terminal Box	Single-Phase 110/115 VAC	BHI62FT-A	\$214.00
	Single-Phase 220/230 VAC	BHI62ET-A	\$221.00
	Three-Phase 220/230 VAC	BHI62S-A	\$191.00
Cable	Single-Phase 110/115 VAC	BHI62F-A	\$184.00
	Single-Phase 220/230 VAC	BHI62E-A	\$191.00

The following items are included with each product. Motor, Capacitor*, Capacitor Cap*, Operating Manual *Only for single-phase motors

lacktriangle 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 load.

Decimal gearheads are not available for the BH series.

KII Series

6 W (1/125 HP)

15 W (1/50 HP)

25 W (1/30 HP)

40 W (1/19 HP)

60 W (1/12 HP)

> 90 W (1/8 HP)

> > 200 W (1/4 HP)

Right-Angle Shaft 50 Hz

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	300	250	200	167	120	100	83	60	50	42	30	25	20	17	15	12.5	10	8.3
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
BHI62E □-□RH, BHI62E □-□RA	5.5	6.7	8.3	10.0	13.9	16.6		27.7	33.3	36.0	40.0	43.0	47.0	51.5	54.5	60	60	60	
	•	48	59	73	88	123	146	177	240	290	310	350	380	410	450	480	530	530	530

Right-Angle Shaft 60 Hz

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
	Gear Ratio	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
BHI625 - RH, BHI625 - RA	4.5	5.4	6.7	8.1	11.2	13.5	16.2	22.4	26.9	32.3	40.0	43.0	47.0	51.5	54.5	60	60	60	
	39	47	59	71	99	119	143	198	230	280	350	380	410	450	480	530	530	530	
BHI625 - RH, BHI625 - RA	V (330 VAC)	4.3	5.2	6.5	7.8	10.8	12.9	15.5	21.5	25.8	31.0	40.0	43.0	47.0	51.5	54.5	60	60	60
ВПЮ23 ВПЮ23 КР	38	46	57	69	95	114	137	190	220	270	350	380	410	450	480	530	530	530	
BHI62F RH, BHI62F RA	4.6	5.6	7.0	8.3	11.6	13.9	16.7	23.2	27.8	33.4	40.0	43.0	47.0	51.5	54.5	60	60	60	
BHI62E □-□RH, BHI62E □-□RA	40	49	61	73	102	123	147	200	240	290	350	380	410	450	480	530	530	530	

Parallel Shaft 50 Hz

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	500	417	300	250	200	167	120	100	83	60	50	42	30	25	20	17	15	12.5	10	8.3
	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
BHI62E			4.9 43	6.8 60	8.2 72	10.3 91	12.3 108	16.3 144	19.6 173	23.5 200	32.7 280	39.2 340	40 350								

Parallel Shaft 60 Hz

Unit: Upper values: N·m/Lower values: Ib-in

Product Name	Speed r/min	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
BHI625□-□ (220 VAC)			4.0	5.5	6.6	8.3	10.0	13.2	15.9	19.0	26.4	31.7	38.1	40	40	40	40	40	40	40	40
			35	48	58	73	88	116	140	168	230	280	330	350	350	350	350	350	350	350	350
BHI62S□-□ (230 VAC)			3.8	5.3	6.4	8.0	9.6	12.7	15.2	18.3	25.4	30.4	36.5	40	40	40	40	40	40	40	40
			33	46	56	70	84	112	134	161	220	260	320	350	350	350	350	350	350	350	350
BHI62F□-□, BHI62E□-□			4.1	5.7	6.9	8.6	10.3	13.7	16.4	19.7	27.3	32.8	39.3	40	40	40	40	40	40	40	40
			36	50	61	76	91	121	145	174	240	290	340	350	350	350	350	350	350	350	350

Permissible Radial Load and Permissible Axial Load

Combination Type → Page E-17 Round Shaft Type → Page E-17

Permissible Inertia J of Gearhead

→ Page E-18

■ Enter the code that represents the terminal box type "T" in the box □ within the product name.
 ■ A number indicating the gear ratio is entered where the box □ is located within the product name.

For details (specifications, characteristics, dimensions and more) on these products, please either refer to our website or contact technical support or your nearest Oriental Motor sales office.

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