Reversible Motors 15 W

□70 mm



Gearhead shown in the photograph is sold separately

Specifications – 30 Minutes Rating (RoHS)

		ne and Type 'ire Type	Output Power	Voltage	Frequency	Current	Starting Torque	Rated Torque	Rated Speed	Capacitor	
	Pinion Shaft Type	Round Shaft Type	W	VAC	Hz	А	mN∙m	mN∙m	r/min	μF	
				Single-Phase 220	50	0.20		125	1200	- 1.5	
	TP) 3RK15GN-CW2E	TP 3RK15A-CW2E	15		60	0.21	100	105	1450		
	(P) SKLISGN-CWZE	IP SKRISA-CWZE	10	Single-Phase 230	50	0.20	100	125	1200		
				Single-Phase 230	60	0.21		105	1450		

• The rated torque and the starting torque of reversible motors are shown without the friction brake installed.

The product name listed on the motor nameplate does not include the code (E) that indicates the type of capacitor.

Certification regarding various safety standards is acquired for the product name on the motor nameplate, please visit www.orientalmotor.eu.

●Safety standards → Page H-2

(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.

Degree of Protection

Туре	Produc	t Name	Degree of Protection
туре	Pinion Shaft Type	Round Shaft Type	Degree of Protection
Lead Wire	3RK15GN-CW2E	3RK15A-CW2E	IP20

Product Line

Motors (RoHS)

Туре	Produc	t Name
туре	Pinion Shaft Type	Round Shaft Type
Lead Wire	3RK15GN-CW2E	3RK15A-CW2E

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

Parallel Shaft Gearheads (Sold separately) (RoHS)

These products can be attached to pinion shafts.

(Gearhead Type	Gearhead Product Name	Gear Ratio
Parallel	Long Life, Low Noise	3GN□S	3~180
Shaft	GN-S Gearhead	3GN10XS (Decim	al Gearhead)

●A number indicating the gear ratio is entered where the box □ is located within the gearhead product name.

- The following items are included in each product.

 $Gearhead,\,Mounting\,\,Screws,\,Parallel\,\,Key,\,Operating\,\,Manual$

High Strength, Long Life, Low Noise **V** Series

Highest Maximum Permissible torque, 10,000 hours* of life and quiet operation. For more details on **V** Series see page C-149. ∗For the rated life time definition, refer to "Service Life of Gearheads" on page G-35.



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M 06

Standard AC Motors

Introduction

TM Series

Torque Motors

Brake

Pack

Acces

sories

Installation

Torque Motors

I Init – N·m

Permissible Torque When Gearhead is Attached

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

A colored background indicates gear shaft rotation in the same direction as the motor shaft. Others rotate in the opposite direction.
The speed is calculated by dividing the motor's synchronous speed (50 Hz: 1500 r/min, 60 Hz: 1800 r/min) by the gear ratio.

The actual speed is 2 to 20% less than the displayed value, depending on the load.

• To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead of gear ratio 1:10 between the gearhead and the motor.

In that case, the permissible torque is 5 N·m.

⊘50 Hz

																				Unit	- 10.111
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
Motor/ Gearhead	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
3RK15GN-CW2E	/ 3GN⊡S	0.30	0.36	0.51	0.61	0.76	0.91	1.3	1.5	1.8	2.3	2.7	3.3	4.1	5	5	5	5	5	5	5

\diamond 60	Hz
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V00112																				Unit	= N·m
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
Motor/ Gearhead	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
3RK15GN-CW2E	/ 3GN⊡S	0.26	0.31	0.43	0.51	0.64	0.77	1.1	1.3	1.5	1.9	2.3	2.8	3.5	4.2	5	5	5	5	5	5

Permissible Overhung Load and Permissible Thrust Load

Motors (Round shaft type) → Page C-16 Gearheads → Page C-16

Permissible Load Inertia: J of Gearhead

→ Page C-17

Dimensions (Unit = mm)

Mounting screws are included with gearheads. Dimensions for mounting screws → Page C-254
A number indicating the gear ratio is entered where the box □ is located within the product name.

\Diamond Lead Wire Type



 \Diamond Key and Key Slot (The key is included with the gearhead.)



Contact

Reversible Motors

\bigcirc Shaft Section of Round Shaft Type

The motor's dimensions (excluding the shaft section) are the same as those of the pinion shaft types. Mass: 1.1 kg $\,$



\diamondsuit Decimal Gearhead

This can be attached to the **GN** pinion shaft type. **3GN10XS**

Mass: 0.3 kg



\bigcirc Capacitor (Included)



Produc	ct Name	Capacitor	۸	P	C	Mass	Capacitor		
Pinion Shaft Type	Round Shaft Type	e Product Name		D	0	(g)	Сар		
3RK15GN-CW2E	3RK15A-CW2E	CH15BFAUL	38	21	31	37	Included		

Connection Diagrams

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W 09

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15 W

25 W

40 W