

## New types

Motor Frame Size

- 28 mm
- 35 mm
- 42 mm

**RoHS** RoHS-Compliant  
2-Phase Stepping Motor &  
Driver Package

# RBK-Series

## Microstep Drive

- Smooth Drive Function
- Microstep Function
- Low-vibration



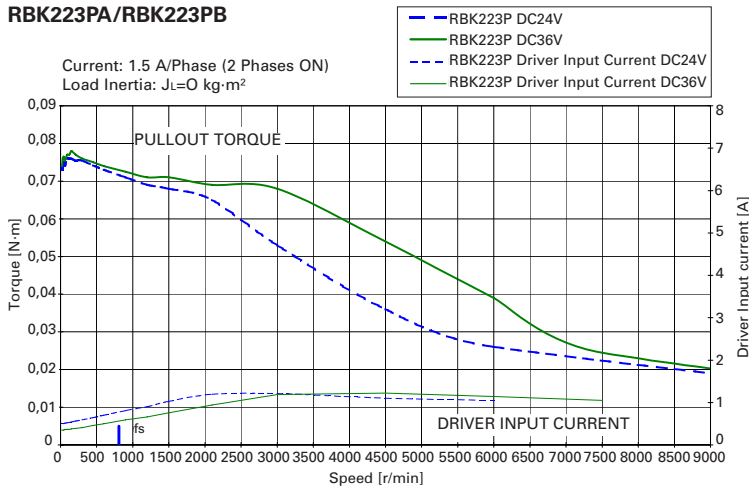
### Motor Frame Size 28 mm

Specifications

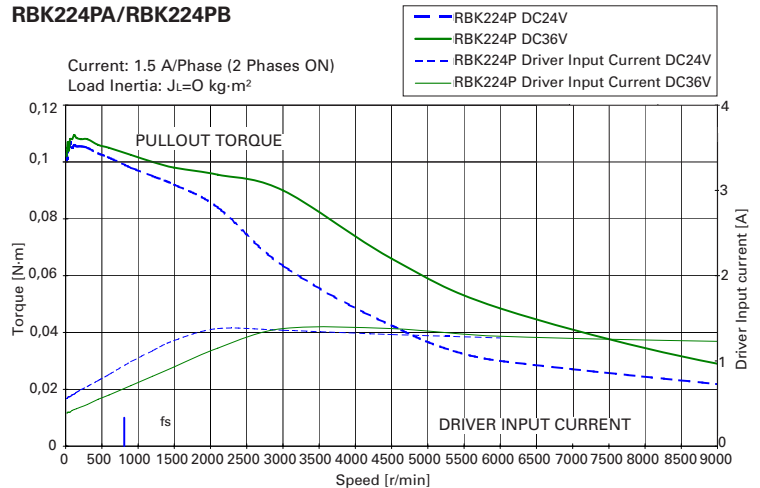
Model	Single shaft Double shaft	RBK223PA	RBK224PA	RBK225PA
		RBK223PB	RBK224PB	RBK225PB
Maximum Holding Torque	N·m	0,065	0,097	0,11
Rotor Inertia	J: kg·m <sup>2</sup>	9x10 <sup>-7</sup>	12x10 <sup>-7</sup>	18x10 <sup>-7</sup>
Rated Current	A/Phase	1,5		
Basic Step Angle		1,8°		
Power Source		DC20 ~ 40V 1.6A		
Excitation Mode		Microstep		
Mass	Motor kg	0,11	0,14	0,2
	Driver kg	0,35		

Unit	Motor	Driver	Motor lead wire
RBK223PA	PK223PDA	RBD215A-K	LC2B06A
RBK223PB	PK223PDB		LC2B06A
RBK224PA	PK224PDA		LC2B06A
RBK224PB	PK224PDB		LC2B06A
RBK225PA	PK225PDA		LC2B06A
RBK225PB	PK225PDB		LC2B06A

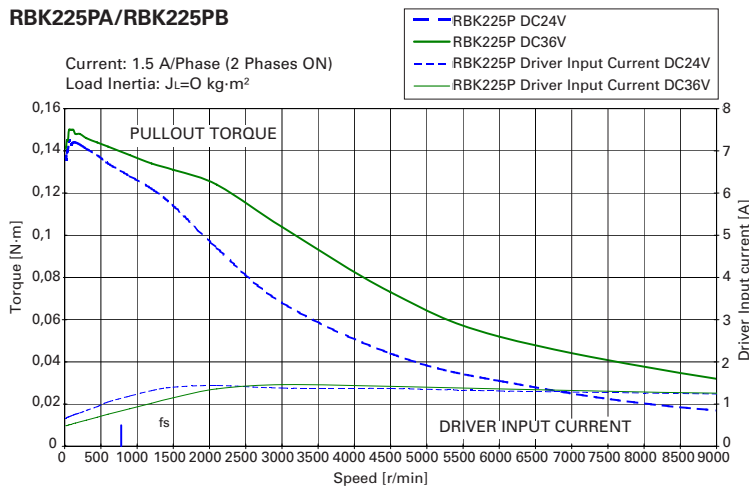
#### RBK223PA/RBK223PB



#### RBK224PA/RBK224PB



#### RBK225PA/RBK225PB



## Motor Frame Size 35 mm

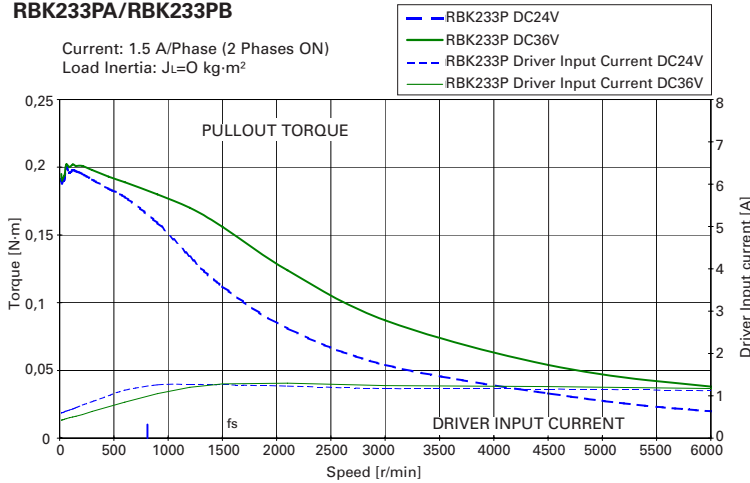
### Specifications

Model	Single shaft Double shaft	RBK233PA RBK233PB	RBK235PA RBK235PB
Maximum Holding Torque	N·m	0,2	0,37
Rotor Inertia	J: kg·m <sup>2</sup>	24x10 <sup>-7</sup>	50x10 <sup>-7</sup>
Rated Current	A/Phase	1,5	
Basic Step Angle		1,8°	
Power Source		DC20 ~ 40V 1.6A	
Excitation Mode		Microstep	
Mass	Motor kg	0,18	0,285
	Driver kg	0,35	

Unit	Motor	Driver	Motor lead wire
RBK233PA	PK233PDA	RBD215A-K	LC2B06B
RBK233PB	PK233PDB		LC2B06B
RBK235PA	PK235PDA		LC2B06B
RBK235PB	PK235PDB		LC2B06B

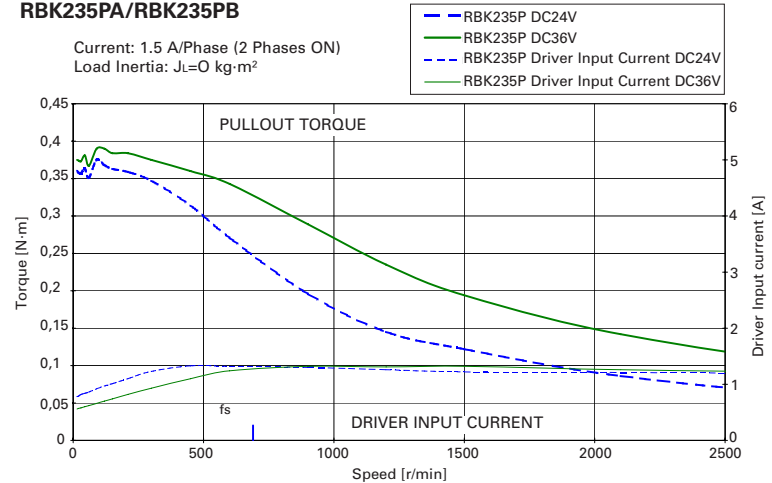
#### RBK233PA/RBK233PB

Current: 1.5 A/Phase (2 Phases ON)  
Load Inertia: J<sub>L</sub>=0 kg·m<sup>2</sup>



#### RBK235PA/RBK235PB

Current: 1.5 A/Phase (2 Phases ON)  
Load Inertia: J<sub>L</sub>=0 kg·m<sup>2</sup>



## Motor Frame Size 42 mm

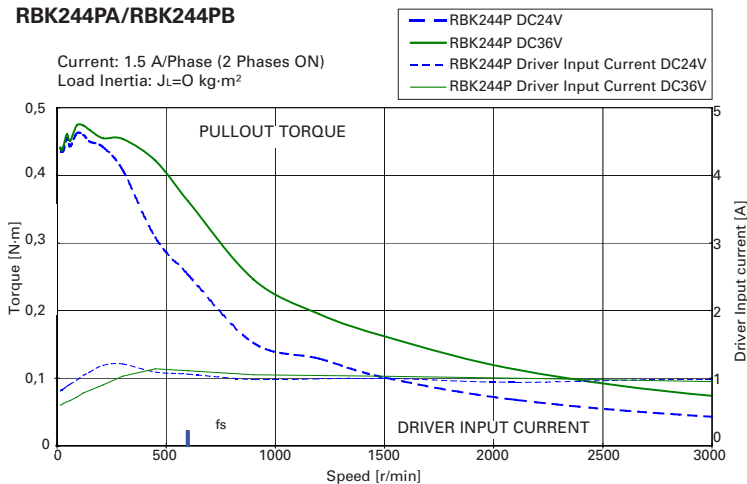
### Specifications

Model	Single shaft Double shaft	RBK244PA RBK244PB	RBK246PA RBK246PB
Maximum Holding Torque	N·m	0,48	0,93
Rotor Inertia	J: kg·m <sup>2</sup>	57x10 <sup>-7</sup>	114x10 <sup>-7</sup>
Rated Current	A/Phase	1,5	
Basic Step Angle		1,8°	
Power Source		DC20 ~ 40V 1.6A	
Excitation Mode		Microstep	
Mass	Motor kg	0,3	0,5
	Driver kg	0,35	

Unit	Motor	Driver	Motor lead wire
RBK244PA	PK244PDA	RBD215A-K	LC2B06B
RBK244PB	PK244PDB		LC2B06B
RBK246PA	PK246PDA		LC2B06B
RBK246PB	PK246PDB		LC2B06B

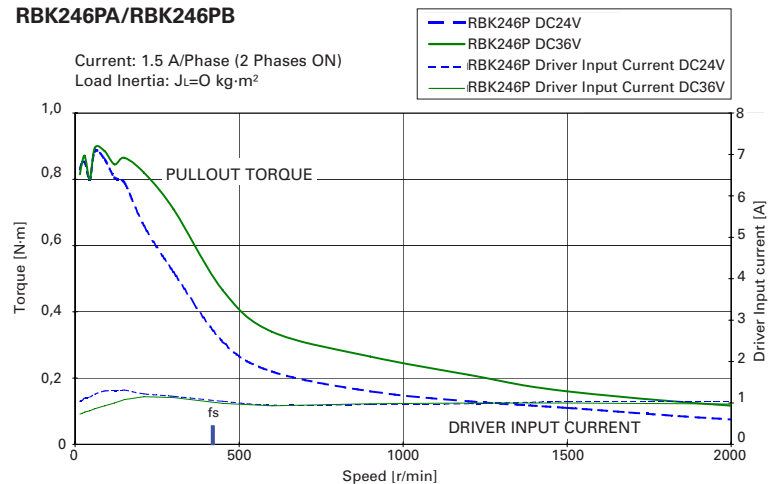
#### RBK244PA/RBK244PB

Current: 1.5 A/Phase (2 Phases ON)  
Load Inertia: J<sub>L</sub>=0 kg·m<sup>2</sup>



#### RBK246PA/RBK246PB

Current: 1.5 A/Phase (2 Phases ON)  
Load Inertia: J<sub>L</sub>=0 kg·m<sup>2</sup>



# Orientalmotor

These products are manufactured at plants certified with the international standards **ISO 9001** (for quality assurance) and **ISO 14001** (for systems of environmental management).

Specifications are subject to change without notice.  
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ORIENTAL MOTOR (EUROPA) GmbH

[www.orientalmotor.de](http://www.orientalmotor.de)

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ORIENTAL MOTOR CO., LTD.

[www.orientalmotor.co.jp](http://www.orientalmotor.co.jp)

Customer Center (Support in German & English) 00800-22 55 66 22 [tech@orientalmotor.de](mailto:tech@orientalmotor.de)

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