Oriental motor



Brushless Motor with an integrated Controller

BLA Series

AC Power Supply Input 90 mm 50 W

This is the AC input brushless motorintegrated with a driver, motor and digital setting device. Speed control can be set by digital setting display on the back.



Contributes to Space Saving and Simple Wiring

As there is no need of wiring between the motor and driver, nor a setting device, the number of process can be reduced. In addition, the space to install a driver is not required, thus the series contributes to the space saving of customers'equipments.

Digital Setting

Anyone can operate precise and repeatable speed setting. The combination type displays the speed of gearhead output shaft.

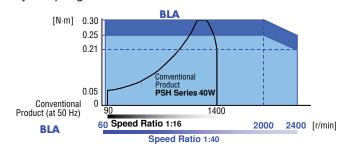


Excellent Speed Stability

The brushless motor's speed is stable from low speed through high speed. Speed regulation is $\pm 0.2\%$. Operating at a constant speed is possible despite the load or power supply voltage conditions.

■ Wide Range of Speed Setting (1:40)

The brushless motor generates a constant torque, and a wide range of speed control is possible with this. In addition, low speed operation is now available by adopting a new sensor.



Various Protection Functions and Warning Function

Equipped with various protection functions including overload protection function and overheat protection function of the main circuit. In addition, warning isoutput prior to the alarm output.

Motor Specification



		()	
Combination Type, Parallel Shaft Gearhead	BLA550AB-□	BLA550CB-□	
Round Shaft Type	BLA550AB-A	BLA550CB-A	
Rated Output Power (Continuous)		50 W	
	Single-Phase 100-120 VAC	Single-Phase 200-240 VAC	
	0.25 N⋅m		
	0.3 N·m		
	2000 r/min		
Speed Control Range		60~2400 r/min	
With Load		±0.2% max.	
With Voltage	±0.2% max.		
With Temperature		±0.2% max.	
	Parallel Shaft Gearhead Round Shaft Type (Continuous) But the search of	Parallel Shaft Gearhead Round Shaft Type BLA550AB-A	

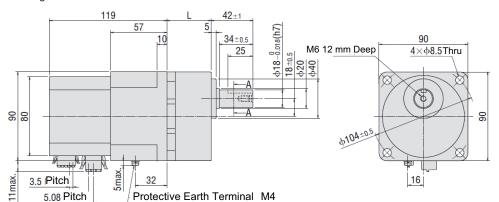
Enter the gear ratio in the box (
) within the model name.

The values for each specification apply to the motor only.

■ Dimensions (Unit = mm)

♦ Combination Type

Mass: 3.2 kg



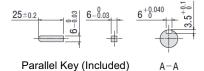
Gear Ratio	L
5, 9, 15	45
30, 50, 100	58
180	64

Accessory (Included)

CN1 Connector : FKC2,5/3-ST-5,08-RF (Phoenix Contact)

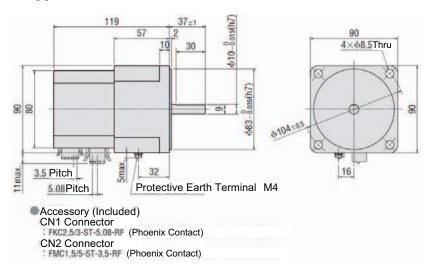
CN2 Connector

: FMC1,5/5-ST-3,5-RF (Phoenix Contact)



♦Round Shaft Type

Mass: 1.7 kg



Model and Price

Output Power	Power Supply Voltage	Product Name	Gear Ratio
50 W	Single-Phase 100-120 VAC	BLA550AB-□	5, 9, 15
			30
			50, 100, 180
		BLA550AB-A	-
	Single-Phase 200-240 VAC	BLA550CB-□	5, 9, 15
			30
			50, 100, 180
		BLA550CB-A	-

■ Dedicated Cable for Input and Output

Product Name	Length (m)
CC05D1B-1	1
CC05D2B-1	2

● Please be noted that the performance and specification in this document are subject to change without prior notice for improvement.

Oriental motor

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

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Enter the gear in the box (☐) within the model name.