

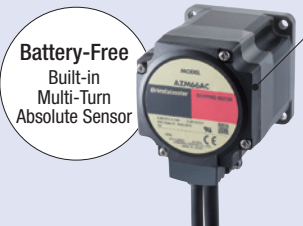
αSTEP

AZ Series with Rockwell Automation

CompactLogix™ Control Systems

αSTEP AZ Series is a stepper based motor equipped with a Battery-Free Absolute Mechanical Sensor (ABZO Sensor). It is optimal for positioning, speed and torque control. EtherNet/IP compatible drivers have been added to its line up for easier connection with **ROCKWELL AUTOMATION** CompactLogix™ Programmable Automation Controllers (PAC).

Motor



Battery-Free
Built-in
Multi-Turn
Absolute Sensor

ABZO Sensor

Driver



EtherNet/IP®

New EtherNet/IP® Driver for Connection with ROCKWELL AUTOMATION PAC

AC Power
Supply Input Frame Size 42 to 90 mm
(100W to 750W equivalent)

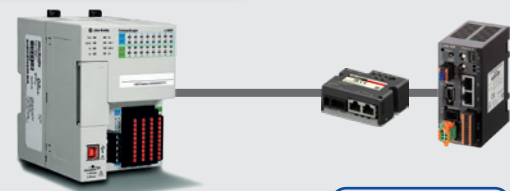
DC Power
Supply Input Frame Size 20 to 60 mm
(50W to 200W equivalent)

EtherNet/IP®



CompactLogix™ 5370 AC Input Driver

EtherNet/IP®



CompactLogix™ 5370 DC Input Driver

Set-up manual and AOIs available for user convenience

Unified Control with Various Motor Types and Actuators

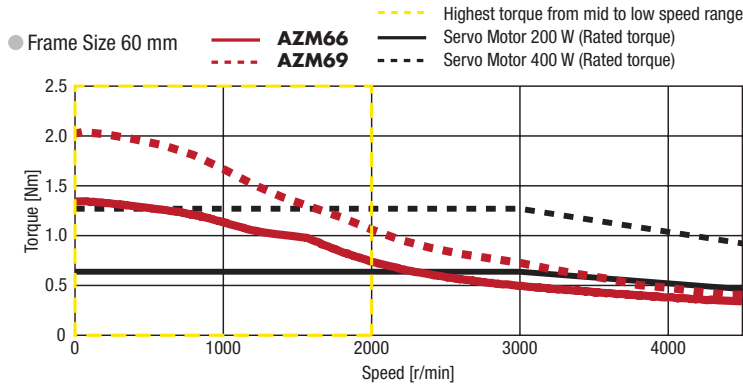


CompactLogix™ 5370

Same driver and software, unified control.
Select product based on user's motion requirements.

AC Input / DC Input			
 AZ Series (Geared and Electromagnetic Brake)	 Rotary Actuators DG2 Series	 Electric Linear Slides EZS Series	 Linear Cylinders EAC Series
AC Input / DC Input		DC Input	
 Rack and Pinion Linear Actuators L Series	 Compact Electric Actuators DR Series	 Compact Electric Actuators DRS2 Series	 Electric Grippers EH Series

Best Performance for Mid to Low Speed Application



AZ Series is designed to output the highest torque at mid to low speed range

Suitable for:

- Positioning
- Speed control
- Torque control

● Data for the speed-torque characteristics is based on Oriental Motor's internal measurement conditions. If the conditions are changed, the characteristics may also change as a result.

Geared Type for High Torque, High Inertia Load Application

The **AZ** Series offers wide selections of geared types assembled at the factory level (excluding Neugart Gear Type). Users can choose the gear types based on requirements such as torque, mounting restrictions and backlashes.

Gear Type	Parallel Type					Right Angle Type
	TS Taper Hobbed	PS Planetary	Neugart Planetary	HPG Harmonic Planetary	Harmonic Gear	FC Gear (Face Gear)

Note

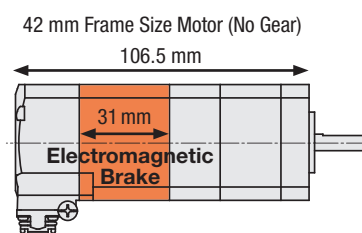
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Electromagnetic Brake Type for Vertical Applications

The **AZ** Series offer motors with Brake assembled at the factory level. It helps vertical applications where the load has to be held for safety even during power outages.

AC input: 42 mm, 60 mm, 85 mm and 90 mm
DC input: 42 mm and 60 mm

* For AC input 90 mm, only **AZM98** is available with electromagnetic brake



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