

αSTEP

AZ Series with MITSUBISHI ELECTRIC

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. It is offered with network compatible drivers to allow easier communication with **Mitsubishi PLCs**.

Same driver and software, unified control

EtherNet/IP

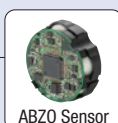
CC-Link V2

SSCNET III/H
SERVO SYSTEM CONTROLLER NETWORK

Modbus RTU

Motor

Battery-Free
Built-in
Multi-Turn
Absolute Sensor



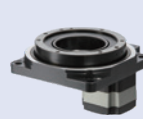
Actuators



EZS Series



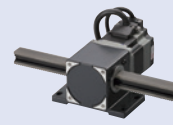
DR Series



DGII Series



EH Series



L Series

Available Motor Sizes

AC Power
Supply Input

Frame Size 42 to 90 mm
(100 W to 750 W equivalent)

DC Power
Supply Input

Frame Size 20 to 60 mm
(50 W to 200 W equivalent)

Drivers for Connection with MITSUBISHI ELECTRIC PLC

SSCNET III/H
SERVO SYSTEM CONTROLLER NETWORK



Q, iQ-R Series
iQ-F Series



Multi-Axis
DC Input Driver

EtherNet/IP



Q, iQ-R Series
iQ-F Series



AC Input Driver



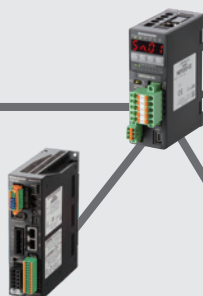
DC Input Driver

CC-Link V2



Q, iQ-R Series
iQ-F Series

Network
Converters



AC Input Driver

DC Input Driver

Modbus RTU



HMI - GOT Series



Q, iQ-R Series
iQ-F Series

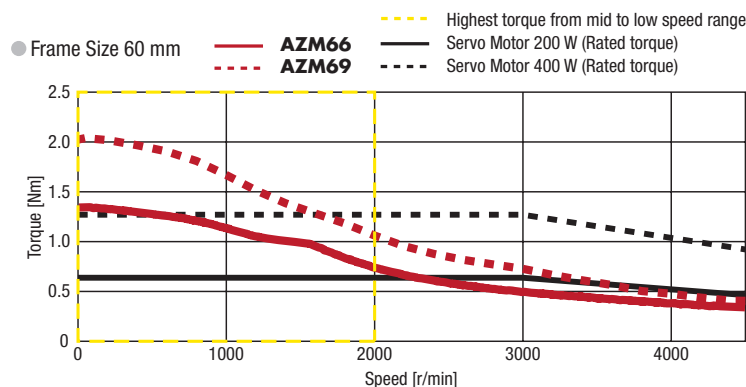


AC Input Driver



DC Input Driver

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

Harmonic Planetary, Harmonic Type and are registered trademarks of Harmonic Drive Systems, Inc.

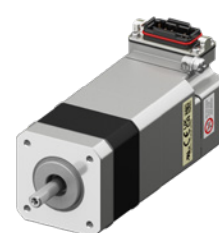
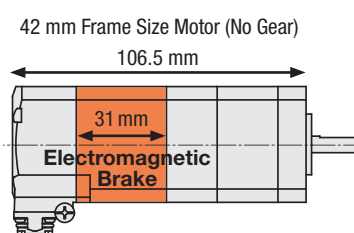
Electromagnetic Brake Type for Vertical Applications

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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