

Light Weight and Flat Servo Actuator

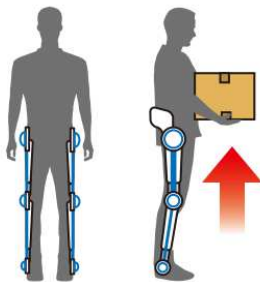


Features

- Smooth torque control
- Light weight and flat design saves machine space
- Low back drive torque in power off
- Outside operation: Drip-proof design IPX3

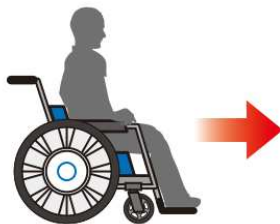
Application examples

Powered



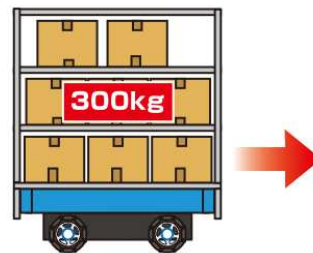
Ultra flat design.
Enough walking space at sides of body.

Electric powered



Sufficient power.
Partial or full assisting capability of driving in slow velocity.

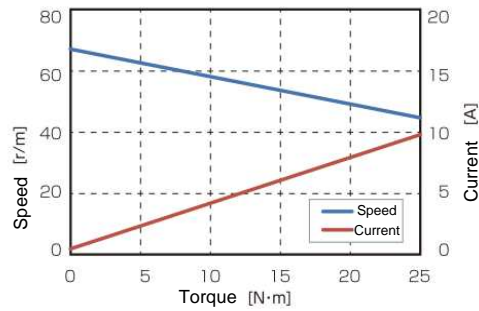
Compact AGV



Robust body.
Up to 300kg of load capacity with installation in to 4 wheels.

Actuator specifications

Rated voltage	22V
Rated speed	60rpm
Rated torque	8N·m
Maximum speed	67rpm
Instant maximum	25N·m
Reduction ratio	1/49
Weight	598g
Inertia	0.05kg·m ²
Back drive torque	0.8N·m
Radial load	900N



Driver specifications

Control mode		Torque control	Speed control	Position control
Torque control		±10mA	—	—
Position control		—	—	401.408pulse/Rev.
Speed control		—	10~60rpm	—
Ratin	Input Voltage	DC22V		
	Input Current	5A		
Input	Digital	• Servo On	• Alarm reset	• Direction
	Analog DC0-	• Torque level		
Output	Digital	• Alarm		
	Analog DC0-	• Ready		
Serial I/F		• Torque		
Serial I/F		• RS-485		
Input	LED	• Power: Green		
Protective function		• Alarm: Red		
Regeneration		• CPU error		
Operating condition		• Over Speed		
Ambient		• Under voltage		
Ambient humidity		• Over voltage		
		• Initial position error		
		• Overheat		
		• Over current		
		• Position range error		
		• Built-in / External		
		0 - 50deg.C		
		85% or less_ No condensing and no freezing		

Outline

