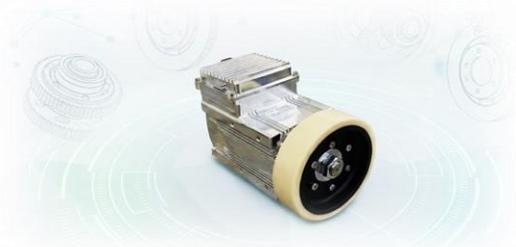




Digitized Automation for a Changing World



Compact Motion Solutions for Mobile and Industrial Platforms

Integrated Motor + Drive + Reducer for Modular System Design

In modern warehouse environments, mobile robots such as AGVs, AMRs and forklifts are widely deployed to improve throughput and address labor shortages. Delta’s integrated motion solution combines motor, drive, reducer, brake, encoder, and wheel into a single compact unit, simplifying system architecture and reducing integration complexity.

Designed for mobile robotics and forklifts applications, this solution enables faster development, improved performance, and seamless system integration.

Key Features



Ultra-Compact Integrated Design

Combines motor, drive, and reducer into one unit to reduce size and wiring complexity

Flexible Communication Support

Supports EtherCAT, CANopen, CAN Bus, and Modbus (RS485)



High-Performance Reducer

Lightweight design with high rigidity and durability

Functional Safety Ready

Supports STO / SIL3 for safe and reliable operation



Integrated Brake System

Provides stable stopping performance with optimized thermal management

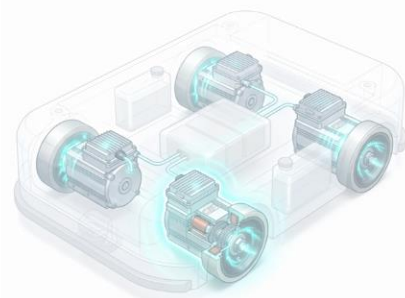
Configurable System Integration

Customizable mounting and interface options for various applications



Available Configurations

Parameter	Specification
Input Voltage	24 V _{DC} (19 ~ 48 V _{DC}) / 48 V _{DC} (24 ~ 72 V _{DC})
Output Power	0.2 ~ 8 kW
Max Torque	Up to 80 Nm (w/o reducer)
Max Speed	Up to 6,000 rpm (w/o reducer)
Gear Ratio	3 ~ 140
Protection	IP53 / IP65
Efficiency Class	IE5



Delta Americas	delta-americas.com
Delta Download Center	downloadcenter.deltaww.com
Delta Technical Support	techsupport.ia@deltaww.com



Delta AC Servo Systems
Scan for Product Details