



Digitized Automation for a Changing World

Reliable Powertrain Solutions for Electrified Vehicles

Integrated Traction Motor Drive for Industrial and Outdoor Vehicles

Designed for modern electrified vehicle platforms, Delta's integrated traction motor drive combines motor and drive into a single compact unit, simplifying system architecture while enhancing performance, reliability, and efficiency in demanding outdoor environments.

By placing motor control directly within the powertrain, the solution reduces wiring complexity, optimizes space utilization, and enables precise torque and speed control. This supports improved vehicle performance and accelerates development of next-generation autonomous and unmanned industrial vehicles.

Key Features



Six-Phase Motor Technology

Enhanced reliability with redundant design



High Torque Performance

Smooth output with precise speed control



Intelligent Vehicle Functions

Flexible and customizable vehicle control features



Compact Integrated Design

Reduced size and wiring complexity



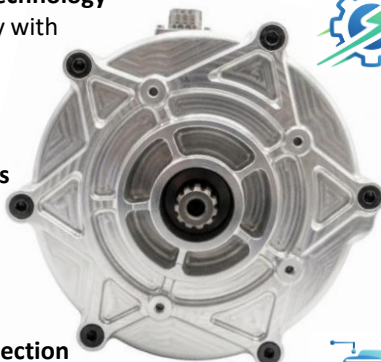
Rugged Outdoor Protection

IPX7 certified for harsh environments



Flexible System Integration

Configurable mounting and interface options



Available Configurations – Gen3 Platform

Parameter	S	X
Input Voltage	48 V _{DC} (35 ~ 56 V _{DC})	96 V _{DC} (67 ~ 120 V _{DC})
Output Power	4 ~ 16 kW	16 ~ 25 kW
Max Torque	Up to 33 Nm	Up to 55 Nm
Max Speed	Up to 12,000 rpm	Up to 15,000 rpm
Protection	IPX7 certified	
Communication	CAN bus	



Forklifts



Tuggers



Mower



Outdoor Vehicles

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Low Voltage Powertrain Series
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