

# Traction Motor

## EV Wheel Drive



Nidec Motor Corporation's Electric Planetary Wheel Drive is designed for a hybrid powertrain system replacing conventional hydraulic systems. Designed for a new generation of hybrid off-highway machinery for use in agricultural, industrial and construction applications.

**Torque Capacity:** Up to 13,000 Nm

**Gear Ratios:** Up to 125:1 Ratio

**Radial Load:** Up to 10,000 Lbs.

**IP Rating:** IP65

**Rated Voltages:** 208V – 460V

**Warranty:** One year limited warranty



### Product Features

- High Efficiency BPM Motor Design
- High Torque Output Motor
- Integrated Brake
- Sinusoidal Motor Design
- Planetary Gearbox
- Integrated Thermistor
- Magnetic Encoder Feedback
- Ductile Iron Hubs
- High Capacity Tapered Roller Bearings



### Product Overview and Options

#### Traction Wheel Drive designed to provide:

- Greater flexibility powertrain system
- Eliminates the need for drive shafts and axles
- Hybrid electric powertrain systems
- Ease of Installation
- Reduction of fuel consumption
- Cleaner Environmental Impact

#### Typical Applications:

- Sprayers
- Harvesters
- Mobile Cranes
- Aerial Lifts
- Road Building Equipment

## Ratings and Specifications

---

**Torque Capacity:** Up to 13,000 Nm

**Gear Ratios:** Up to 125:1 Ratio

**Radial Load:** Up to 10,000 Lbs.

**Motor Brake Torque:** 100 Nm

**Magnetic Encoder:** 2048 ppr (Other Encoder options available)

**Radial Load:** Up to 10,000 Lbs.

**Efficiency:** 86%

**IP Rating:** IP65

**Rated Voltages:** 208V – 460V



**Nidec**

**NIDEC MOTOR CORPORATION**

8050 W. Florissant Avenue | St. Louis, MO 63136

Toll Free Number: 833-266-4332