Full-System Solutions for **Wheel Loaders**

Dana's solutions cover the complete range of wheel loaders, from compact to heavy-duty.

For electrified compact wheel loaders we offer a full electrified driveline, which offers power-loss reduction, noise emission, improved efficiency, reduced TCO, and precision-engineered interface for connecting high-performance motors. With the best match between mechanical, electric components and control software, we are delivering the best-in-class and most efficient drivetrain solution suitable for many construction vehicles.



Spicer® Planetary **Non-Steering Axle**

- Available with disc or drum brakes
- Multiple configurations available



Spicer® Electronic Controls

- Enables communication between driveline components
- Support for OEM advances in digitalization and automation
- Full library of Driveline Controls and Safety Functions



Graziano[®] Shifting Solutions

- High-efficiency powershifts
- Enhanced shifting performance and driver comfort



Spicer[®] Driveshafts

- Ideal for the rigorous demands of most off-highway applications
- Designed for minimal maintenance, longer life, and reduced operating costs
- Modular approach





Spicer[®] eSG001

- High-efficiency single-speed
- Ideal for high-performance motors
- Compact and light



- Ideal for high-performance motors
- Enhances vehicle mobility

SYR and IPM technology for high-efficiency

operation with a compact design

TM4[™] e-Pump Motor

Effective performance and

TM4[™] LVI430 Low Voltage

- Inverter Most power-dense inverter with patented in-house MOSFET
- multilayer power modules Open and fully flexible
- application software configuration

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Spicer[®] Hydrodynamic Transmissions

- Advanced electronic controls Highly-efficient
- aluminum-cast converter

Spicer[®] Hydrostatic Transmissions

- Allows forward, reverse,
- Delivers high torque at low speeds



■ High-efficiency single-speed



Spicer[®] eSG102

- High-efficiency, two speed
- Ideal for high-performance motors
- Enhances vehicle mobility



Spicer[®] eSP502

- No downtime,
- no working interruptions
- Dual-motor setup for system redundancy



and braking with hydrostatic motor

Spicer® HVT

- Maximizes fuel savings
- Precise low-speed
- maneuvering control
- Increased travel speeds