Self-Propelled Sprayer
Drive and Motion Solutions

Dana’s Spicer® Torque-Hub® and Brevini® technologies for self-propelled sprayers.
Engineered to meet performances and efficiency requirements of modern equipment
Dana’s portfolio of advanced technologies have been engineered to meet the needs of farmers. Our modern equipment supports higher crop yields and lower operating costs. Dana’s full-system solutions for self-propelled sprayers include proven Spicer® Torque-Hub® wheel drives and Brevini® hydraulic and electronic components specifically designed to improve speed, maneuverability, efficiency, and safety.

**Spicer® Torque-Hub® New C0 Series**
- Designed for sprayers capacities carrying from 2000 to 8000 liters
- Patented service brake to meet on-road stopping requirements
- Heavy duty main bearings and retention for high wheel offsets and side loads
- High speed thermal stability for operating machines up to 60 km/h
- Low maintenance requirements and easy to service

**Brevini® Programmable Control Unit**
- Dual redundant microprocessors
- Optimized for off-highway equipment performance and safety enhancement
- Waterproof; aluminum compact body
- PWM outputs with closed loop current control

**Brevini® Cetop valves**
- Fixed and variable displacement options
- On/off or proportional directional flow
- Bankable Cetop valves for harsh environments

**Brevini® Proportional Pressure Compensated Bankable Valve**
- LSA and LSB valves available
- GAS and SAE ports available
- Same interface of all Dana bankable valves range to mix slices with post-compensated or hot compensated valves
- Modular valves (check and pressure relief) available

**Brevini® HIC Series – Customized Hydraulic Integrated Circuit**
- Best In Class valve technology taken from Cartridge and Cetop valves range
- Less leakage risk, no check valves need on the cylinders
- Compact overall dimension
- Easier Piping/Hosting

**Brevini® Tilt sensor SP Series**
- Constantly measures vehicle tilt
Spicer® Torque-Hub® C0 Series
A New Standard in Sprayer Drives

With 50 years’ experience with spray tractor applications, Dana took a fresh approach incorporating the best design features into the new C0 family of Spicer® Torque-Hub® wheel drives. These features provide machine designers with the greatest flexibility to accommodate the current market demands for a range of machines, satisfying requirements for machine weight, speed, tire offsets, braking performance and durability.

Spicer® Torque-Hub® New C0 Series
• 1-Product range specifically designed for modern high-performance sprayers
• 4-Products for machine capacities carrying from 2000 to 8000 liters
• Torque ratings from 16.000 Nm to 36.000 Nm
• Patented service brake to meet on-road stopping requirements
• Heavy duty main bearings and retention for high wheel offsets and side loads
• High speed thermal stability for operating machines up to 60 km/h
• Low maintenance requirements and easy to service
• Suitable for hydraulic and electric driven vehicles, with Dana’s hydraulic and electric motors
• Easily integrated with central tire inflation system (CTIS)
Pioneering electrification, protecting the environment

A new era of mobility is upon us. Emissions regulations and government policies are manifesting at an ever-increasing pace, and visions of vehicles that reduce operating costs while enhancing productivity and safety are accelerating the need for alternative propulsion solutions. For over 20 years, our group of highly focused engineers has been dedicated to research and development of new technology solutions aimed at electrification. We have built a broad portfolio of award-winning, patented technologies, making us a leader in electrification.

Today we can proudly say that we are the ONLY supplier with the capability to help manufacturers bring electric-driven vehicles to market through our collaborative, systems-oriented approach; decades of expertise; and broad selection of proven drive and motion capabilities for electrified vehicles. Dana offers a full product portfolio and multiple technologies for electrification needs. Through our market-proven brands, we can provide motors, inverters and controllers for low- and high-voltage applications ranging from 24 to 800 V.
Technologies Customized to Every Part of the Globe

With a presence in 33 countries, Dana Incorporated boasts more than 145 engineering, manufacturing, and distribution facilities. Our worldwide network of local service centers provides assurance that each customer will benefit from our proximity and responsiveness.

About Dana Incorporated

Dana is an integral partner for virtually every major vehicle and engine manufacturer worldwide. We are a leading supplier of drivetrain, sealing, and thermal technologies to the global automotive, commercial-vehicle, and off-highway markets. Founded in 1904, we employ thousands of people across six continents.

About Dana Off-Highway Drive and Motion Technologies

Dana delivers fully optimized Spicer® drivetrain and Brevini® motion systems to customers in construction, agriculture, material handling, mining, and industrial markets. We bring our global expertise to the local level with technologies customized to individual requirements through a network of strategically located technology centers, manufacturing locations, and distribution facilities.

Learn more about Dana’s drivetrain and motion systems at dana.com/offhighway.