

ENGINEERING  
TOMORROW

*Danfoss*

# A quick overview Danfoss Power Solutions **product range**

**19** facilities

around the globe  
make us your global  
partner for mobile  
hydraulic solutions

# One of the industry's broadest **product portfolios**

Our goal is to be your strongest partner in mobile hydraulics. Building on more than 50 years of experience within the off-highway sector, our application expertise ranges from construction, agriculture, material handling and road building, to turf care, forestry and a wide range of special purpose vehicles.

## Hydrostatics

We can provide you with solutions for low, medium, and high-power applications, including single and dual path propulsion drives and closed loop auxiliary transmissions. Our product range comprises best-in-class axial piston variable displacement single and tandem pumps, available with SIL 2 certified Automotive Control (H1 AC), axial piston fixed displacement and two-position motors, bent axis variable displacement motors, integrated pump systems, transit mixer products and variable displacement axial piston pumps for work function applications.



## Valves

Sophisticated, reliable, and modular in concept, our valve solutions can be designed to meet practically any application need. We offer load-sensing, electrically controlled, and load-independent proportional valves. Providing smooth machine control day after day, you can count on them to perform the toughest task with maximum control.



## Steering components and systems

Our range of steering products includes standard and electrohydraulic steering units, mini steering units, priority valves, dedicated steering sensor, and flow amplifiers. We cover all your application needs – ordinary 2-wheel and 4-wheel steering, articulated steering, and automatic steering via sensors or satellite-signals. With our market leading solutions, we set the standard for reliable, safe and comfortable vehicle control.





**We offer individual, off-the-shelf components and design efficient steering, propel, work, and control function systems.**

#### **Orbital motors**

Our orbital motor range is the broadest on the market – and your safest bet for quality, durability, efficiency and reliability. Benefits include high radial and axial bearing capacity, high starting torque, constant operating torque, high-pressure shaft seal, and long life under extreme operating conditions. You can also count on high precision and controllability with our PLUS+1® Compliant EMD speed sensor.



#### **Mobile electronic components and systems**

Our product portfolio includes an extensive range of state-of-the-art electronics for the off-highway vehicle sector. We provide an array of standard and custom products – including software, joysticks, PLUS+1 microcontrollers, sensors, graphical terminals and GPS technology. Combined with our PLUS+1 control platform, you can quickly build customized vehicle control solutions, reduce costs and bring your vehicles to market faster.



#### **Your strongest partner in mobile hydraulics**

Increasingly stringent global engine emissions regulations and new European safety legislation will impact the design and development of nearly all off-highway vehicles. To help you meet these and other industry challenges, we provide intelligent solutions that combine our extensive hydraulics, electronics, and vehicle control expertise. It's this comprehensive approach that makes us your strongest partner.



## About Danfoss Power Solutions

**Danfoss Power Solutions** is a global manufacturer and supplier of high-quality hydraulic and electronic components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of off-highway vehicles. We help OEMs around the world speed up system development, reduce costs and bring vehicles to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics.

### Products we offer:

- Bent Axis Motors
- Closed Circuit Axial Piston Pumps and Motors
- Displays
- Electrohydraulic Power Steering
- Electrohydraulics
- Hydraulic Power Steering
- Integrated Systems
- Joysticks and Control Handles
- Microcontrollers and Software
- Open Circuit Axial Piston Pumps
- Orbital Motors
- PLUS+1® GUIDE
- Proportional Valves
- Sensors
- Steering
- Transit Mixer Drives

Wherever off-highway vehicles are at work, so is Danfoss Power Solutions. We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Go to [www.powersolutions.danfoss.com](http://www.powersolutions.danfoss.com) for further product information.

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