



Work with Danfoss and experience **wheel loader design** in a new way

Improve performance, efficiency and safety firsthand

Let's build the customized solutions your customers demand

OEMs who utilize the Application Development Center in Nordborg, Denmark, to test, prove, refine and implement customized wheel loader solutions are gaining a competitive advantage — and you can too. By partnering with our experts at this state-of-the-art facility, you become a part of a team solving real-world challenges such as improved operator comfort and efficient operation to maximize productivity. We have extensive experience in wheel loader operation and applications, from compact and versatile loaders to heavy production machines. Your specific needs are different, and that's exactly what the ADCs are designed to solve.

Whether you're designing entirely new loaders — or working to improve existing models — we have the system-specific expertise, products and solutions that can be tested and refined using our onsite wheel loader test vehicle to help you reach your goals.

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ENGINEERING
TOMORROW

Danfoss



Steering

Machine safety certification and documentation are critical, yet time-consuming steps in getting your wheel loaders to market. Danfoss steering solutions are designed to **improve operator comfort** and provide **greater design flexibility** by utilizing innovative products such as our JS1H joystick and EHi valves. Our pre-certified, safe electrohydraulic steering solutions significantly **reduce your documentation and certification process** to get you to market faster.

Our experts can help you design and implement steering solutions tailored to more comfortable, safe wheel loader operation for maximized productivity.



Propel

What if you could offer wheel loader customers **improved controllability and a smoother drive** with better **fuel efficiency**? With the Danfoss two-motor hydrostatic transmission, you can. Our continuous variable transmission provides smooth driving behavior and eliminates shifting to **increase operator comfort and productivity**.

When you maximize machine uptime and extend refueling intervals, you're boosting your customers' bottom lines too.



Work Function

Smooth, efficient operation and **proper power management** are keys to **optimizing total cost of ownership**. Instead of relying on operator expertise to maintain high efficiency and productivity, work with Danfoss to develop integrated solutions like our active ride control that helps keep wheel loader operators comfortable and productive.

By collaborating with you and gathering your input, we can help you **develop the best work function solutions** for your specific needs.



Thermal Management

Many wheel loader applications involve extreme temperatures and dusty, corrosive or debris-filled environments where controlling engine temperature is critical. Danfoss fan drive solutions, featuring S45 pumps and our reverse displacement motor with integrated shift valve, **reduce the number of components** necessary in your fan drive solution.

Solutions like these ensure **debris and heat are properly extracted** from the engine compartment without pulling additional power from other wheel loader functions, keeping the loader as productive as possible.



Experience the ADC difference first-hand by using our 17-ton wheel loader test vehicle (Denmark ADC) to test, refine and prove out any solution in real-world loader application environments.



Talk to us

Talk to your Danfoss account manager today about visiting the ADC in Denmark to test new solutions on our onsite demonstration machine. We'll provide a customized experience tailored to your specific needs to enhance your wheel loader offering. We understand it's a commitment on your part — but once you collaborate with our experts and utilize the facilities firsthand, you'll understand the significance of your decision. We'll work together to design superior wheel loaders that give your customers a true competitive advantage.



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