Optimal efficiency, safety and comfort

**New Generation DAF XD and XF Electric are setting the standard**

**DAF Trucks starts series production of the fully electric DAF XD and XF Electric. New, advanced drivelines combined with the extremely aerodynamic design of the vehicles enable a zero-emission operating range of more than 500 kilometres on a single battery charge. What's more, they are setting a new standard in terms of safety and comfort.**

* Ultra-modern PACCAR EX-D1 and PACCAR EX-D2 drive units
	+ Outputs of 170 kW (230 hp) up to 350 kW (480 hp)
	+ Three-speed transmission with planetary gear set: low-weight, high-efficiency, comfortable and ultra-fast shifting
	+ Impressively low energy consumption
* Tailor made modular battery packs
	+ Configurations with two to five packs: from 210 to 525 kWh
	+ Zero-emission ranges of 200 to over 500 kilometres
	+ Smart battery-management system
	+ Entirely LFP batteries
		- Cobalt- and nickel-free
		- Long service life, eight-year warranty
		- Rechargeable up to 100% without compromising service life
		- Outstanding safety
	+ Suitable for AC charging and DC fast-charging
* First-class body builder friendliness of XD and XF Electric chassis
	+ 650-V e-PTO available as an option
	+ Bolt & Play package for side loaders
* Range of axle configurations and cab variants
	+ DAF XD and XF DNA as standard
	+ Electric models available as 4x2 tractor units and rigids, and 6x2 rigids with steered pusher or trailing axle
	+ GCWs up to 50 tonnes
	+ Day Cab, Sleeper Cab and Sleeper High Cab
		- Low cab position combined with large windscreen and low window belt lines for unbeatable direct vision
		- DAF Digital Vision System and DAF Corner View for superior indirect vision
		- Excellent ease of use and sublime driving comfort
		- One-pedal driving
	+ Subtle blue accents for exterior and interior

In 2018, DAF Trucks was the first truck manufacturer in Europe to market a fully electric distribution truck. Since then, dozens of CF Electric tractors and rigids and LF Electric rigids have been put into service by leading transport operators in zero-emission applications across Europe. The trucks are used to supply supermarkets, shuttle containers and collect waste in urban areas.

With the New Generation DAF XD Electric and XF Electric, DAF is raising fully electric transport to a new level. Both innovative vehicle series are based on the multi-award-winning XD and XF series. They offer the same unrivalled quality, efficiency and safety combined with astounding driver comfort.

**Ultra-modern drive units**The new DAF XD Electric and DAF XF Electric are powered by efficient and reliable permanent magnet drive units: the PACCAR EX-D1 and PACCAR EX-D2, which offer outputs from 170 kW/230 hp to 350 kW/480 hp.

The drive units are extremely compact and consist of two separate electric motors and a central, integrated three-speed transmission. Planetary gear sets ensure that the correct gear ratio is selected at all times and that when used under partial load, if possible, only one of the two electric motors is activated for maximum efficiency. As soon as more power and/or torque is needed, for example during acceleration, driving in hilly terrain, or during regenerative braking, the second part of the drive unit is activated immediately and seamlessly. The compact solution with two planetary gear sets is also significantly lighter than a conventional transmission. This maximises the payload of the truck, while ensuring quick and extremely comfortable shifting.

**PACCAR EX-D1:** **XD Electric**The PACCAR EX-D1 drive unit is supplied in the DAF XD Electric for solo use with GVWs up to 29 tonnes. There are three power variants to choose from: 170 kW (230 hp), 220 kW (300 hp) and 270 kW (370 hp), each with a maximum torque of 1,500 Nm. The motors can be combined with two to five battery packs, with a gross capacity of 210 kWh to 525 kWh. The PACCAR EX-D1 drivelines are ideal for supplying shops and collecting containers and waste, for example. The maximum regenerative braking power for all PACCAR EX-D1 drivelines is 270 kW.

**PACCAR EX-D2: XD and XF Electric**For more demanding applications, DAF offers the more powerful PACCAR EX-D2 electric motor. This is available in the XD and XF Electric and comes in 270 kW (370 hp), 310 kW (420 hp) and 350 kW (480 hp) variants. These drive units offer an impressive torque of 2,400 Nm and are suitable for GCWs up to 50 tonnes. The driveline is supplied with a minimum of three and a maximum of five battery packs with a gross capacity of 315 kWh to 525 kWh. The PACCAR EX-D2, with a regenerative braking power of 350 kW, is the optimum choice for heavier applications and longer-distance transport.

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| Vehicle type | e-Motor | Motor output | Torque | # Battery packs | Gross battery pack capacity |
| DAFXD Electric | PACCAR EX-D1 | 170 kW (230 hp) | 1,500 Nm | Two to five | 210 kWh to 525 kWh |
| 220 kW (300 hp) | 1,500 Nm | Three to five | 315 kWh to 525 kWh |
| 270 kW (370 hp) | 1,500 Nm | Three to five | 315 kWh to 525 kWh |
| DAFXD ElectricDAFXF Electric | PACCAR EX-D2 | 270 kW (370 hp) | 2,400 Nm | Three to five | 315 kWh to 525 kWh |
| 310 kW (420 hp) | 2,400 Nm | Four or five | 420 kWh or 525 kWh |
| 350 kW (480 hp) | 2,400 Nm | Four or five | 420 kWh or 525 kWh |

 **Tailor made modular battery packs**
To optimally tailor the electric vehicles to the customer's needs and applications, DAF offers a comprehensive range of battery configurations with two to five packs. Ultimately, not every customer needs the maximum operating range of 500 zero-emission kilometres — certainly not when the truck travels a limited number of kilometres per day, returns to home base every evening and can be recharged there. This approach reduces vehicle weight and adds to payload capacity.

However, the option of five battery packs allows for more than 500 zero-emission kilometres on a single battery charge. With optimum vehicle and charge planning, the XD and XF Electric can, in practice, cover up to 1,000 fully electric kilometres per day, making them suitable for long distance transportation.

The impressive range is largely down to the highly efficient PACCAR EX-D1 and EX-D2 drivelines, in combination with DAF's smart battery management system, which distributes the energy stored in the battery across the driveline and other components for maximum efficiency.

The extremely aerodynamic design of the trucks is also an important factor in their excellent energy efficiency and operating range. The aerodynamic and tapered design of the cab, with its rounded corners and windscreen, and lack of seams and panel gaps, ensures the least possible wind resistance, which translates directly into the lowest possible energy consumption. The side skirts, deflectors, collars and *aerodynamic bottom plate* under the cab also play a role, as do the digital cameras that replace the mirrors.

**Advantages of LFP batteries**DAF employs only the latest generation of lithium-iron phosphate (LFP) batteries in the New Generation XD and XF Electric. These are free from cobalt and nickel, and are characterised by their long service life. In addition, LFP batteries can be charged up to 100% every time without compromising their service life.

The liquid-cooled LFP batteries used by DAF, which come with eight years warranty, are also very thermally stable for highest safety. This also means the battery cells can be packed closely together, saving space.

**DC fast-charge as standard, AC charging optional**The New Generation XD Electric and XF Electric are suitable for fast charging up to 325 kW. A battery with three packs can be charged in just over three quarters of an hour from 0 to 80% capacity. Even the maximum five battery packs can be fully charged within two hours. As an option, an onboard charger is available which can be used for charging with alternating current (AC) up to 22 kW. This provides the flexibility of being able to use a vehicle even when direct current (DC) fast charging is not available.

**Body builder friendliness**Thanks to the flexible and modular positioning of the battery packs on the chassis, the New Generation DAF XD Electric and XF Electric offer the same class-leading body builder friendliness as all other models in the New Generation DAF series. The placement of the packages can be perfectly tailored to the vehicle’s intended use, providing ample space for mounting of, for instance, a side loader body or crane legs. A 650-V e-PTO (25 kW and 90 kW) is also available as an option to power, for instance, an electric refrigeration system.

A Bolt & Play package is available for the DAF XD 6x2 with steered trailing rear axle (FAN), specially designed for installing a structure to collect waste at the side of the truck. In this case, the chassis is fitted ex-works with an e-PTO, specific mounting brackets for the structure and connectors that control the structure’s functions. The Bolt & Play package makes life easier for both dealer and bodybuilder. In addition, the customer benefits from an optimal integration of body and chassis, ensuring highest quality. This also guarantees fastest vehicle availability.

**Strong DNA**The new XD and XF Electric are characterised by the same distinctive DNA as the existing New Generation DAF trucks, thereby also setting the standard for safety, comfort, and ease of use in their segment.

**First-class safety**First and foremost, the innovative cab design significantly contributes to safety. Thanks to a large windshield, low window belt lines, and valuable options such as the Kerb View Window, the DAF Digital Vision System, and the DAF Corner View, the vehicles offer unparalleled direct and indirect view. DAF City Side & Turn Assist increases safety in urban environments by actively alerting the driver to vulnerable road users near the truck.

**High levels of comfort**
The cabs are spacious and well-designed. Accessibility is perfect, with two (XD) or three (XF) cleverly positioned steps. The ergonomically designed dashboard features crystal clear and configurable digital displays. Both the steering wheel and the seat have exceptionally wide ranges of adjustment, and the 220-cm long beds exude comfort. The optimised chassis design, the refined cab and the front and rear suspension make for exceptional comfort and the DAF XD and XF Electric a pleasure to drive.

One-pedal driving which allows the accelerator pedal to be used both to accelerate and decelerate, is also available. The lower segment of the pedal travel is reserved for acceleration, while the upper section can be used to control and modulate regenerative braking. The regenerative braking button on the steering column stalk is used to engage ‘one-pedal drive’ and select the required amount of braking power (33, 66, or 100% of the total braking power).

**Subtle accents**Despite their near-identical appearance to their diesel counterparts, subtle blue accents on the grille and headlights help set the electric variants apart. The vehicle interiors feature an eye-catching digital instrument panel, specifically developed to provide an at-a-glance overview of the electric driveline, including energy consumption, charging status, operating range, power output and regeneration. The optional truck navigation system also shows the locations of public and available charging stations.

**Start delivery**
The XD Electric and XF Electric are available as 4x2 tractors and rigids. In addition, 6x2 rigids with steered pusher or steered trailing axle are available for extra payload capacity and enhanced manoeuvrability. The range of axle configurations with electric driveline will be further expanded throughout 2026.

"Anyone who works with our new electric trucks will immediately recognise that these versions were an integral part of the development of the New Generation DAF XD and XF right from the beginning", says Bart Bosmans, member of the Board of Management and responsible for Marketing & Sales. "The driveline and vehicle concept form a perfect combination, especially for the intensive distribution for which these new electric trucks are primarily designed. In addition to these class-leading vehicles, we provide a complete package of services to support transport operators in their energy transition. This ranges from specific driver training courses to thorough route planning, from supplying charging stations and energy-storage systems to specific information within our PACCAR Connect online fleet management platform. This combination of products and services makes DAF the ideal partner in the energy transition process".

**DAF Trucks N.V.** — a subsidiary of PACCAR Inc, a global technology company that designs and manufacturers light, medium and heavy-duty trucks. DAF provides a full range of tractor units and rigids, offering the right vehicle for every transport application. DAF is also a leading provider of services, including MultiSupport repair and maintenance contracts, financial services from PACCAR Financial and a first-class parts delivery service from PACCAR Parts.

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***Note to editors***

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