Modular drivelines offer ranges of 200 to over 500 kilometres on a single charge

**DAF announces New Generation DAF XD and XF Electric**

**DAF Trucks has announced state-of-the-art, modular Battery Electric Vehicle (BEV) powertrains for its New Generation DAF XD and XF truck series at the IAA Transportation 2022 in Hanover, Germany. These new fully electric drivelines provide ‘zero emission’ ranges of over 500 kilometres on a single charge, demonstrating DAF’s environmental leadership.**

* State-of-the-art PACCAR EX-D1 and PACCAR EX-D2 e-motors
	+ 170 kW (230 hp) up to 350 kW (480 hp)
* Wide choice of efficient battery packs
	+ Zero emission ranges of 200 to over 500 kilometres
	+ Suited for fast DC, and AC charging
* Excellent body builder friendliness thanks to modular battery packaging
* 650V e-PTO available as an option
* Subtle blue exterior design accents to highlight ‘zero emissions’ driveline
* Sales have started for both XD Electric and XF Electric
	+ 4x2 tractor and 4x2 & 6x2 rigid configurations
	+ Day, Sleeper, Sleeper High Cab

In 2018, DAF Trucks was the first truck manufacturer in Europe to market a fully electric distribution truck. Since that time, dozens of CF Electric tractor and rigid vehicles have been put into ‘zero emission’ operation by leading transport operators throughout Europe. These outstanding trucks are being used to supply supermarkets, perform container shuttles and collect waste in urban areas. DAF is leading the way in battery electric powertrains with the CF Electric as well as the LF Electric, offering ‘zero emission’ ranges of over 200 and 280 kilometres respectively.

**Next level of electric transport**With the New Generation DAF XD Electric and XF Electric, DAF is taking full electric transport to the next level. These innovative vehicles are based on the award-winning XF, XG and XG⁺ series, being voted ‘International Truck of the Year 2022’ and offering unmatched quality, efficiency, safety and driver comfort.

**Two e-motors, 5 outputs**The advanced DAF XD and XF Electric trucks are powered by the efficient and reliable PACCAR EX-D1 and PACCAR EX-D2 permanent magnet e-motors, which offer outputs from 170 kW/230 hp to 350 kW/480 hp. To perfectly tailor these electric vehicles to the customer’s needs and application, DAF offers a full range of battery packs with 2 up to 5 strings, capable of delivering ‘zero emission’ ranges of over 500 kilometres on a single charge. As a result, through optimal vehicle and charging planning, transport operators can practically achieve 1,000 fully electric kilometres per day.

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| --- | --- | --- | --- | --- | --- |
| Vehicle type | e-Motor | Engine output | Torque | Number of strings | Capacity battery pack  |
| DAFXD Electric  | PACCAR EX-D1 | 170 kW (230 hp) | 1,200 Nm | 2 to 5 strings | 210 kWh to 525 kWh |
| 220 kW (300 hp) | 1,200 Nm | 3 to 5 strings  | 315 kWh to 525 kWh |
| 270 kW (370 hp) | 1,200 Nm | 3 to 5 strings  | 315 kWh to 525 kWh |
| DAFXD Electric DAFXF Electric | PACCAR EX-D2 | 270 kW (370 hp) | 1,975 Nm | 3 to 5 strings  | 315 kWh to 525 kWh |
| 310 kW (420 hp) | 1,975 Nm | 4 or 5 strings  | 420 kWh or 525 kWh |
| 350 kW (480 hp) | 1,975 Nm | 4 or 5 strings  | 420 kWh or 525 kWh |

**Fast DC charging standard, AC charging optional**
The New Generation XD Electric and XF Electric can be fast charged with powers up to 325 kW, allowing a 3-string battery pack to be boosted from 0 to 80% of its capacity in just over 45 minutes. Even the largest battery pack can be fully charged from empty to 100% in less than 2 hours. An on-board charger is optional to enable alternating current (AC) charging of up to 22 kW. This provides flexibility to operate the vehicle where direct current (DC) fast charging is unavailable

**Bodybuilder friendliness**Thanks to flexible and modular packaging of the batteries on the chassis, the New Generation DAF XD and XF Electric offer the same industry leading body builder friendliness as the existing models of the New Generation DAF series. Battery packs can be optimally tuned to the vehicle’s application, leaving ample space for side loader superstructures and crane legs, for instance. A 650V e-PTO is available as an option for powering auxiliary equipment, such as an electric cooling installation for temperature-controlled transport or an electro-hydraulic crane. This eliminates the need of a separate generator.

**A blue touch**The New DAF XD and XF Electric have the same attractive exterior design as the existing diesel-powered versions. Subtle blue accents in the grille and headlights beautifully distinguish the full battery electric versions.

DAF’s New Generation BEV vehicles feature a dedicated display on the digital dashboard, showing the status of the electric driveline (including charging status and power delivery). The optional navigation system indicates where public charging stations are located. Automatic heating or cooling of the cab interior prior to departure adds to the unparalleled driving comfort and efficiency of the New Generation DAF XD Electric and XF Electric.

**Specific sales advice and PACCAR Chargers**In addition to supplying first class electric trucks, DAF also supports its customers with tailor-made sales advice based on advanced route simulation models for a smooth conversion to zero emission e-trucks. Furthermore, DAF offers operational support through a full array of premium PACCAR Chargers, perfectly tuned to the new XD and XF Electric trucks, as well as the LF Electric, CF Electric, other commercial vehicles and even passenger cars.
The comprehensive range includes fixed charging solutions with powers up to 50 kW using standard AC current and up to 350 kW for ultra-fast DC charging. In addition, DAF even offers mobile chargers, providing maximum flexibility.

**Start of production** Sales of the New Generation DAF XD Electric and XF Electric trucks have started. The new trucks will be assembled in a new production facility in Eindhoven, with series production beginning in the first half of 2023. The XD and XF Electric are available in 4x2 tractor as well as 4x2 and 6x2 rigid configurations for GCW’s of up to 50 tonnes, depending on national regulations. The new Battery Electric Vehicles are offered with spacious Day, Sleeper and Sleeper High Cabs.

**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 vocational trucks, 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 only***

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