

NEW GENERATION DAF ELECTRIC

Technical
Specifications

Driving zero emissions



A PACCAR COMPANY DRIVEN BY QUALITY

DAF



Combining the best of both worlds

The award winning range of New Generation DAF trucks is now available with a highly efficient electric powertrain. Built on the same platform focused on efficiency, safety and direct vision, the DAF Electric range offers the best of both worlds: the best DAF ever built with advanced technology contributing to a more sustainable future.

NEW GENERATION DAF

- Optimal aerodynamics
- Unmatched driver comfort
- Best in class direct vision
- State of the art digital systems
- Industry leading safety



ELECTRIC POWERTRAIN

- Efficient driveline
- Sustainable
- Durable battery technology
- Versatile applications
- Low maintenance



DAF ELECTRIC

The truly state of the art and futureproof solution to your transportation needs. Whether it requires local distribution, regional transport, or a specific municipal application.

DAF Electric range

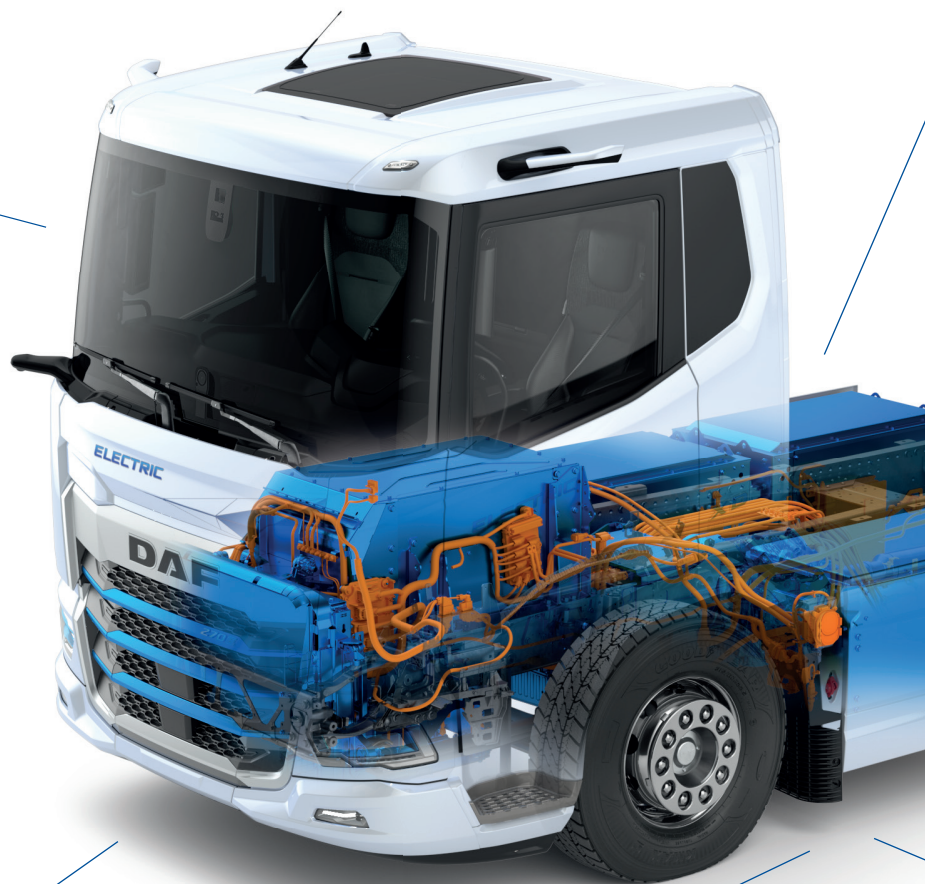
To offer a tailored solution to your electric transportation need, DAF has created a complete range of electric vehicles. Our XB Electric has the proven technology and sturdiness for the city. Our XD Electric is the all-round electric solution with the best distribution cab in the business. Our XF Electric, with its unparalleled interior and exterior design, is the premium choice for regional haul.

Welcome to the future

Driving a DAF Electric is driving the future. Even before you enter the vehicle, it is already preparing for your journey. All systems start pre-activation when you open the door to make sure the truck is ready to go when you turn the key. Shifting is seamless and braking charges your batteries, making the ride smoother than ever! Due to DAF's e-Drive Control system, 95% of the time, you will only need to use one pedal, to save as much energy as possible with regenerative braking.

SMART PLANNING

Your DAF Electric truck charges in the most efficient way, based on your needs. Just tell it how far you need to drive after charging, when you want to start driving again, and it will make sure to be charged in time while keeping a close eye on your battery health. Of course, it will also make sure the cab is conditioned and comfortable at the desired time of departure.



VERSATILE APPLICATIONS

To make sure you have all the power you need for the job, DAF Electric trucks can be configured with 25, 60 (XD/XF) or 90 kW (XB) 650V DC electric power take-off (E-PTO). This instantly available electric power can be used for all types of applications, such as refrigeration or refuse collection, offering the most efficient and adaptive form of power take-off.

EFFICIENCY AND RANGE

When talking about electric trucks we have to talk about efficiency and range. Due to the modular configuration of the DAF Electric trucks there is plenty of choice in terms of energy storage. The range depends on your configuration, application, driving style and numerous other factors, such as the use of auxiliaries. The average energy consumption for the most typical of situations range from 0.7 to 1.2 kWh/km. Our XB Electric is capable of reaching up to 350 km, while the XD and XF may even hit up to 500 kilometres on a single charge.

Scan for more info on DAF Electric
and try the range calculator.



SMOOTH DRIVING

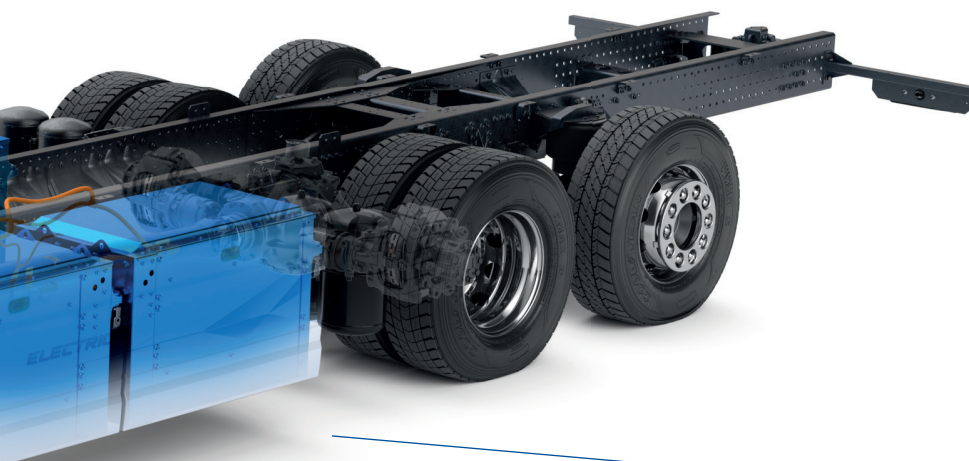
The DAF Electric program features a full range of highly efficient central drive powertrains. From the 120 to 190 kW direct drive electric motors of the XB Electric, to the powerful 170 to 350 kW e-motors with automated transmission systems for the XD and XF Electric series. The powershifting technology, using two e-motors to mitigate torque differences when changing gear, enables seamless shifting and makes driving these electric trucks feel like driving the future.

OPTIMAL CONFIGURATION

There are all kinds of options to create the electric truck that fits your needs. Both tractor and rigid chassis' are available as well as different cab versions and solo or combination configurations. At DAF we want to make sure that you get the best truck for the job and we can consult on picking the right configuration with focus on payload, range, and cost of ownership. Furthermore, we are happy to assist in making the right decision for your application in terms of energy capacity and charging options.

ADAPTABLE CAPACITY




To provide for all your needs, the DAF Electric series can be configured with various numbers and configurations of battery packs. You can install more battery packs for increased energy capacity (141 to 525 kWh) and range for long haul transportation. It is also possible to install less battery packs to create free space on one side for a specific body, such as a side loader. As an early adopter of the LFP technology DAF has elected for the safest, most durable and most sustainable battery technology around: with a high cycle life, without using rare earth materials.



FAST CHARGING

Key to uptime is getting your energy recharged as quickly and efficient as possible. There are multiple ways to achieve this. DAF Electric vehicles come with the industry standard CCS2 charging sockets to facilitate quick charging. We also offer an AC charging solution (22 kW) as well as fast charging options ranging from 150 to 325 kW. Charging 80% can be achieved in 45 minutes, getting you on the road as much as possible! As a complete mobility provider DAF can facilitate in creating a fitting charging infrastructure with our PACCAR chargers.

Specifications

		XB Electric			XD Electric				XF Electric		
Cab versions		Day Cab			Day Cab				Sleeper Cab		
		Extended Day Cab			Sleeper Cab				Sleeper High Cab		
					Sleeper High Cab				Sleeper High Cab		
Available configurations											
		FA 12t (4x2)	FA 16t (4x2)	FA 19t (4x2)	FT (4x2)	FA (4x2)	FAN (6x2)	FAG (6x2)	FT (4x2)	FAN (6x2)	
Gross Vehicle Mass (t)		12	16	19	20.5	21.5	29	29	20.5	29	
Gross Combination Mass (t)		-	-	-	50	50	50	29	50	50	
E-motor	EX-M1	120 kW	•	-	-	-	-	-	-	-	
	EX-M2	190 kW	-	•	•	-	-	-	-	-	
	EX-D1	170 kW	-	-	-	-	•	•	•	-	-
		210 kW	-	-	-	-	•	•	•	-	-
		270 kW	-	-	-	-	•	•	•	-	-
	EX-D2	270 kW	-	-	-	•	•	•	-	•	•
		310 kW	-	-	-	•	•	•	-	•	•
		350 kW	-	-	-	•	•	•	-	•	•
Wheelbase (cm)		430-570	450-670	445-690	390	390-610	380-610	430-540	390	420-610	
Battery pack(s)	1*	141 kWh	•	-	-	-	-	-	-	-	
	2	210 kWh	-	•	•	-	-	•	-	-	
	2*	282 kWh	-	•	•	-	-	-	-	-	
	3	315 kWh	-	-	-	-	•	•	•	•	
	4	420 kWh	-	-	-	•	•	•	•	•	
5	525 kWh	-	-	-	•	•	•	•	•	•	
Charging		• 22 kW AC + 150 kW DC			• 22 kW AC + 150 kW DC • 150 kW DC • 325 kW DC				• 22 kW AC + 150 kW DC • 150 kW DC • 325 kW DC		
E-PTO		• 25 kW DC • 90 kW DC			• 25 kW DC • 60 kW DC				• 25 kW DC • 60 kW DC		

* exclusively available for XB Electric

Durable battery technology

In order to deliver the best battery performance in terms of durability and range, DAF is the first in the industry to adopt LFP (lithium ferro phosphate) battery technology. Without using toxic materials such as cobalt and rare earth materials such as manganese and nickel, LFP is a truly sustainable composition for batteries. Furthermore, LFP has the best durability and longevity, giving us at DAF the opportunity to deliver the most usable energy to you. This is why DAF Electric trucks can use up to an industry leading 88% of the total installed energy capacity.

Warranty and service

A major benefit of an electric driveline is the limited maintenance that is required. Furthermore, the DAF Electric trucks benefit from the same vehicle warranty programs all other New Generation DAF trucks have. The high voltage battery packs can be covered by the DAF MultiSupport repair and maintenance package, guaranteeing 70% State of Health for 8 years or 4 MWh/kWh, whichever comes first.

DAF Services

DAF MULTISUPPORT

This extensive range of repair and maintenance contracts leads to predictable costs as well as maximum peace of mind. Whichever contract you choose, they all offer the highest quality of service and support for your vehicles.

PACCAR FINANCIAL

As DAF's in-house finance provider, PACCAR Financial provides tailored and complete financial services to the transport sector. A unique understanding of your day-to-day business makes PACCAR Financial your partner of choice.

PACCAR PARTS

PACCAR Parts supplies PACCAR genuine parts and DAF genuine parts along with over 80,000 universal TRP parts for all makes of truck and trailer, including workshop supplies and accessories. From its own distribution centres, PACCAR Parts delivers within 24 hours throughout Europe and the rest of the world.

DAF CONNECT

In our drive for transport efficiency, the upgraded DAF Connect Fleet Management Platform gives you realtime performance insights of your trucks and drivers. The user-friendly portal can be customised to present all important information you need. DAF Connect: More Uptime, More Insights and More Efficiency.

DAF DRIVER ACADEMY

DAF Driver Training helps drivers to improve their performance in terms of safe and efficient driving.

DAF INTERNATIONAL TRUCK SERVICE (ITS)

Fast, professional help is available 24/7 on the road, throughout Europe. Call +31 40 21 43000 to speak directly to an ITS operator.

DAF DEALER NETWORK

A DAF dealer is never far away. Throughout Europe, our customers can count on around 1,000 DAF dealers and sales & service points for tailored advice and impeccable service.

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ISO 14001
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Management System



IATF 16949
Quality
Management System



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