NEW GENERATION DAF ELECTRIC

Powering your Success

Technical Specifications

DAF Transport Efficiency

Driving zero emissions

A PACCAR COMPANY DRIVEN BY QUALITY

DAF

A perfect solution for every need

The entire range of New Generation DAF trucks is available with a super-efficient electric powertrain. Offering a perfect solution for every transportation need, our electric range has been built with the same DAF focus on maximising transport efficiency, uptime, safety and driver comfort. Bringing you both the most technically advanced DAF trucks ever created and a huge step further on your transition to sustainable, zero-emission transport.

NEW GENERATION DAF

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

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ELECTRIC POWERTRAIN

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

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DAF ELECTRIC

The state-of-the-art, futureproof solution to your transportation needs. Whether that's long-haul or local distribution, municipal or construction applications. Helping make your business more resilient and more predictable.

New Generation DAF Electric range

Because DAF offers the complete range of electric vehicles, we can develop solutions tailored to your transportation requirements. The XB Electric comes with the proven technology and sturdiness needed for the urban environment. The XD Electric is our all-round solution with the best distribution cab in the business – qualities that also make the XDC version well-suited to inner city construction work. The XF Electric is the ideal choice for regional haul, while the XFC version suits construction tasks that require a bit more driving. Leading the pack are the XG Electric and XG+ Electric, which have the largest cabs on the market for BEV applications. Offering unparalleled comfort, they're the perfect way to show your long-haul drivers how much you value their comfort and safety.

Durable battery technology

In order to deliver the best battery performance in terms of durability and range, DAF was the first in the industry to adopt LFP (lithium ferro phosphate) battery technology. By avoiding the use of toxic materials such as cobalt or rare earth materials such as manganese and nickel, LFP is a truly sustainable composition for batteries. LFP also has best-in-class durability and longevity. As a result, DAF Electric trucks can use up to an industry-leading 88% of their total installed energy capacity, increasing to up to 95% for vehicles equipped with four or five battery strings.

Warranty and service

A major benefit of an electric driveline is the limited maintenance required. What's more, DAF Electric trucks benefit from the same vehicle warranty programmes as every other New Generation DAF truck. We also offer an industry-leading 4 MWh (or 8 year) warranty on DAF Electric high voltage battery packs.

Meet our electric truck range

DAF XB Electric

Clean, silent, compact and highly manoeuvrable, the XB Electric is the truck for the inner city. The onboard AC charger enables charging anywhere while the DC charger provides fast charging; a combination that gives you real operational flexibility. Range more than 350 km. In addition, the 16-ton XB Electric with H battery packs can be configured with a reduced width of 2,301 mm across the battery packs (2,385 mm including the side covers), further improving manoeuvrability in urban environments.

DAF XF Electric

As with every DAF electric vehicle, the highly efficient electric motor and Lithium Ferro Phosphate (LFP) battery packs guarantee outstanding performance and exceptional durability. Combine that with a more than comfortable interior design and it makes the XF Electric the smart choice for regional or national haulage. Range over 550 km.

DAF XFC Electric

Another great offroad operator, the XFC features a robust bumper, grille and steel radiator protection plate. And its electric powertrain makes it a must-have for working in urban zero-emission zones. The higher seating position makes it well-suited to construction jobs that require a bit more driving. Range over 550 km.

DAF XD Electric

Advanced safety features, a state-of-the-art powertrain, superb driver comfort and a low mounted cab. All characteristics that make the XD Electric ideal for regional and city distribution. The all-round transportation solution for zero emission applications. Range over 550 km.

DAF XDC Electric

With its large approach angle, high ground clearance and robust design, the XDC is built for harsh offroad conditions. It's ideal for construction work in zero-emission zones and offers a superb view from the cabin: vital in built-up urban areas. Range over 550 km.

DAF XG Electric

The XG is designed to optimise the long-haul experience. The elongated cab is incredibly spacious with great storage options, sophisticated lighting and a high-end finish. Combined with the aerodynamic exterior and a highly efficient driveline, it makes the XG the perfect choice when you're going that extra mile. Range over 550 km.

DAF XG+ Electric

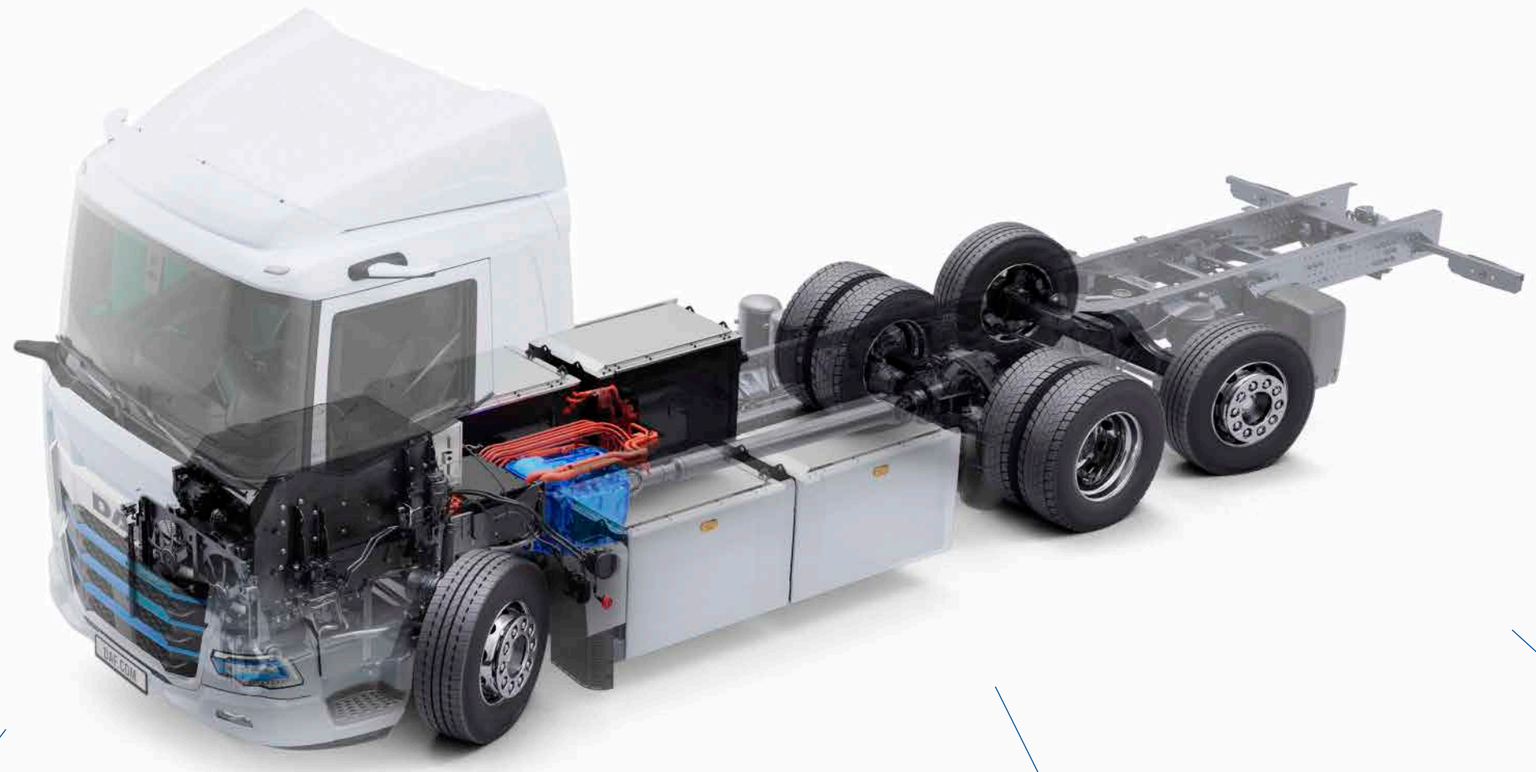
Meet DAF's electric flagship model. From an exceptional standing height to a superb multimedia experience, the XG+ provides premium comfort, spaciousness and luxury on the one hand and excellent standards in road safety and energy efficiency on the other. Giving you everything you want from a long-haul specialist. Range over 550 km.

Optimising performance

Even before you enter the vehicle, it's preparing for your journey. All systems start pre-activation when you open the door to ensure the truck is ready to go when you turn the key. Once on the road, shifting gears is seamless, making the ride smoother than ever. While engaging DAF's One Pedal Drive functionality lets you control the truck using just the accelerator pedal. You can also set the braking power to one of three levels manually, using the right-hand stalk. And to increase energy efficiency even more, when you brake you automatically charge the batteries.

SMOOTH DRIVING

The DAF Electric programme features a full range of highly efficient central drive powertrains. From the 120-190 kW direct drive electric motors of the XB Electric to the powerful 170-350 kW e-motors with automated transmission systems for the XD, XDC, XF, XFC, XG and XG+. The powershift technology uses two e-motors to smooth out torque differences during gear changes. This results in seamless shifting and gives DAF electric trucks a unique and effortless driving experience.



OPTIMAL CONFIGURATION

There are endless options to create the electric truck to fit your exact needs. Choose from tractor and rigid chassis, as well as different cab versions and solo or combination configurations. At DAF we want to make sure you get the best truck for the job and can help you identify the configuration that's right for you, with a focus on payload, range and cost of ownership. We're also more than happy to help you find your best answer when it comes to energy capacity and charging options, including the choice of a left- or right-hand charging socket position to suit your charging infrastructure.

SMART PLANNING

Your DAF Electric truck charges with maximum efficiency, based on your needs. Just tell it how far you need to drive after charging and when you want to start driving again, and it will make sure it's charged in time and keep a close eye on your battery health. And of course, it will also ensure the cab is conditioned and comfortable at your planned time of departure.

FLEXIBLE CAPACITY

The DAF Electric series can be configured with different numbers and configurations of battery packs. So for long haul transportation you can install more battery packs to increase energy capacity (141 to 525 kWh) and range. Or install fewer battery packs to free up space on one side for a specific body, such as a side loader. DAF was an early adopter of LFP technology and has selected the safest, most durable and most sustainable battery technology around, with a high cycle life and using no rare earth materials.

VERSATILE APPLICATIONS

To ensure you have the power you need for the job, all DAF Electric trucks can be configured with an electric power take-off (ePTO) 25, 60 or 100kW with peak power ratings of 35, 90 and 150 kW respectively. This instantly available electric power can be used for any application, such as refrigeration, refuse collection or a loading crane for construction work, providing the most efficient and adaptive power take-off possible.

EFFICIENCY AND RANGE

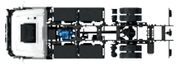
When choosing an electric truck, efficiency and range are critical factors to consider. The modular configuration of DAF Electric trucks means there's plenty of choice in terms of energy storage. Ultimately, the range depends on your configuration, application, driving style and other factors, such as the use of auxiliaries. But average energy consumption for the most typical situations ranges from 0.7 to 1.2 kWh/km. That delivers a range of more than 350 km for the DAF XB and over 550 km for the more powerful models.

FAST CHARGING

Key to uptime is recharging your energy source as quickly and efficiently as possible. There are various ways to achieve this. DAF Electric vehicles come with the industry standard CCS2 charging sockets to facilitate quick charging. As well as a 22 kW AC charging solution, there are fast-charging DC options ranging from 150 to 325 kW (XB only 22 kW AC and 150 kW DC). Charging to 80% can be done in 45 minutes for a 420-kWh battery pack, maximising time on the road. And as a complete mobility provider, DAF can facilitate the creation of your optimal charging infrastructure using our products and services from PACCAR Power Solutions.

Specifications

XB
Electric

Cab versions		Day Cab	Extended Day Cab	
Available configurations				
		FA 12 t	FA 16 t	FA19 t
Gross Vehicle Mass (t)		12	16	19
E-motor	**EX-M1 120 kW**	•	-	-
	EX-M2 190 kW	-	•	•
Wheelbase (cm)		355-570	380-670	375-690
Battery pack(s)	**1 141 kWh**	•	-	-
	2 210 kWh	•	•	•
	2 282 kWh	•	•	•
Charging		• 22 kw AC + 150 kW DC		
ePTO		• 25 kW DC • 60 kW DC • 100 kW DC		

Specifications

XD / XDC
Electric

Cab versions		Day Cab	Sleeper Cab	Sleeper High Cab	
Available configurations					
		FA	FAS	FAG	FAN
Gross Vehicle Mass (t)		21,5	29	29	29
Gross Combination Mass (t)		50	50	29	50
E-motor	**EX-D1 170 kW**	•	•	•	•
	EX-D1 220 kW	•	•	•	•
	EX-D1 270 kW	•	•	•	•
	EX-D2 270 kW	•	•	-	•
	EX-D2 310 kW	•	•	-	•
	EX-D2 350 kW	•	•	-	•
Wheelbase (cm)		390-610	380-590	430-540	380-610
Battery pack(s)	**2 210 kWh**	•	-	-	-
	3 315 kWh	•	•	•	•
	4 420 kWh	•	•	•	•
	5 525 kWh	•	•	•	•
Charging		• 22 kW AC + 150 kW DC • 22 kW AC + 325 kW DC • 150 kW DC • 325 kW DC			
ePTO		• 25 kW DC • 60 kW DC • 100 kW DC			

Cab versions	FAT*	FAW	FT	FTG	FTN			
Available configurations								
Gross Vehicle Mass (t)	30* 31	39	21,5	29	29			
Gross Combination Mass (t)	50	50	50	50	50			
E-motor	•	-	-	-	-			
	•	-	-	-	-			
	•	-	-	-	-			
	•	•	•	•	•			
	•	•	•	•	•			
	•	•	•	•	•			
Wheelbase (cm)	405-555	405-555	390	415	400			
Battery pack(s)	-	-	-	-	-			
	•	•	•	•	•			
	•	•	•	-	•			
	•	•	•	-	•			
Charging								
ePTO								

* Available for the XDC Electric

Specifications

XF / XFC
Electric

Cab versions			Day Cab			Sleeper Cab			Sleeper High Cab	
Available configurations										
			FA	FAS	FAN	FAT*	FAW	FT	FTG	FTN
Gross Vehicle Mass (t)			21,5	29	29	30* 31	39	20,5	28	29
Gross Combination Mass (t)			50	50	50	50	50	50	50	50
E-motor	EX-D1	170 kW	•	-	-	-	-	-	-	-
		220 kW	•	-	-	-	-	-	-	-
		270 kW	•	-	-	-	-	-	-	-
	EX-D2	270 kW	•	•	•	•	•	•	•	•
		310 kW	•	•	•	•	•	•	•	•
		350 kW	•	•	•	•	•	•	•	•
Wheelbase (cm)			390-610	380-590	380-610	405-555	405-555	390	415	400
Battery pack(s)	2	210 kWh	•	-	-	-	-	-	-	-
	3	315 kWh	•	•	•	•	•	•	•	•
	4	420 kWh	•	•	•	•	•	•	-	•
	5	525 kWh	•	•	•	•	•	•	-	•
Charging			• 22 kW AC + 150 kW DC • 22 kW AC + 325 kW DC • 150 kW DC • 325 kW DC							
ePTO			• 25 kW DC • 60 kW DC • 100 kW DC							

* Available for the XFC Electric

Specifications

XG / XG+
Electric

Cab versions			XG Cab					XG+ Cab	
Available configurations									
			FAS	FAN	FAT	FAW	FT	FTG	FTN
Gross Vehicle Mass (t)			29	29	31	39	20,5	28	29
Gross Combination Mass (t)			50	50	50	50	50	50	50
E-motor	EX-D2	270 kW	•	•	•	•	•	•	•
		310 kW	•	•	•	•	•	•	•
		350 kW	•	•	•	•	•	•	•
Wheelbase (cm)			460-590	460-610	405-555	405-555	390	415	400
Battery pack(s)	3	315 kWh	•	•	•	•	•	•	•
	4	420 kWh	•	•	•	•	•	-	•
	5	525 kWh	•	•	•	•	•	-	•
Charging			• 22 kW AC + 150 kW DC • 22 kW AC + 325 kW DC • 150 kW DC • 325 kW DC						
ePTO			• 25 kW DC • 60 kW DC • 100 kW DC						

DAF TRANSPORT EFFICIENCY

DAF Transport Efficiency (DTE) is our guiding philosophy to help customers optimise their earnings per kilometre. It drives how we design vehicles, build services, train our people and support our customers. DTE consists of three interrelated elements.

Uptime: keeping your trucks on the road while helping your business be more resilient and predictable.
Efficiency: leveraging DAF's technological expertise and transport experience to deliver optimal truck performance.
Driver Comfort: empowering driver excellence through everything from world-beating cabs that protect and assist to driver training in safety and efficiency.

DTE DAF TRANSPORT EFFICIENCY

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