

The new DAF CF and XF - Pure Excellence

DAF is introducing the new generation CF and XF trucks, which set a new standard in transport efficiency and driver comfort. Engine innovations, new drivelines and aerodynamic optimizations result in an up to 7% lower fuel consumption. The new DAF Connect fleet management system will drive even larger efficiency gains. The new generation CF and XF also feature lower weight for increased payload and an updated interior and exterior design for the highest driver comfort and greatest appeal. These excellent new trucks provide our customers with the lowest operating cost and the highest uptime.

“Building on the excellent reputation for fuel efficiency, reliability and driver comfort the current Euro 6 product range has earned in Europe, DAF has developed a new generation of CF and XF trucks offering the best possible solutions for both the customer and the driver”, shared Preston Feight, DAF Trucks president. “Backed by industry leading services and a highly professional dealer organization, the new CF and XF trucks - entering production in summer 2017- embody an owner’s delight and the driver’s dream.”

The new CF and XF: Owner’s delight

- 7% lower fuel consumption
 - PACCAR MX-11 and MX-13 engine innovations
 - New efficient TraXon automated gearbox
 - New high efficiency rear axles with new faster ratios
 - Advanced powertrain software features
 - Aerodynamic optimizations

- New PACCAR Engine Brake
- Up to 100 kilogram higher payload
 - New compact Exhaust After-treatment System
- Maximum uptime
 - Service-intervals up to 200,000 km
 - First class body builder-friendliness
- DAF Connect fleet management system for the highest transport efficiency

Improved fuel efficiency, along with more power and torque at lower revs.

Class-leading fuel efficiency is the result of the fully integrated and innovative driveline that achieves optimum interaction between engine, after-treatment system, transmission and rear axles, for lowest total cost of ownership, fully aligned with the DAF Transport Efficiency philosophy.

The air management of the PACCAR MX engines has been further improved by applying a new and even more efficient turbocharger, a new EGR system and a new valve actuation design. Thermal efficiency has been enhanced by developing a new combustion system, including new pistons, injectors and injection strategies, while higher compression ratios are employed.

New highly efficient variable speed cooling-, steering- and oil pumps are used to achieve the lowest fuel consumption.

A key principle when developing the new drivelines was to reduce engine revs for best-in-class fuel efficiency. Maximum torque of the PACCAR MX-11 and MX-13 engines has been increased significantly and is already available from 900 rpm to allow down speeding of the engine. The top-of-the range PACCAR MX-13 engine produces 390 kW/530 hp and 2,600 Nm of torque at 1,000 rpm.

Highly-efficient rear axle designs

Rear axle designs have been further developed and reductions of down to 2.05:1 can be specified for driving at cruising speeds of 85 km/h at only 1,000 – 1,040 rpm, depending on driveline choice. The new generation of rear axle differentials features a completely new design of crown wheel and pinion, aimed at highest durability and efficiency as well as extremely low noise levels.

Application of low viscosity oils, lower oil levels in the rear axles and low friction wheel end bearings also enhance fuel efficiency.

Efficient TraXon gearbox as standard

The latest generation of TraXon automated gearboxes are standard on the new CF and XF series with the 12 speed being standard and a 16 speed optional. Less friction losses, even faster upshifts and the extended use of EcoRoll contribute to lowest fuel consumption. Driver comfort is enhanced thanks to its quiet and smooth operation and precise clutch control. The increased ratio spread allows excellent maneuverability, even when faster drivelines are applied.

Advanced powertrain software features

The new CF and XF feature a completely new electric and electronic architecture. It introduces a new vehicle control unit for dedicated driveline integration, featuring enhanced EcoRoll and Cruise Control functionalities, such as Dynamic Cruise. Dynamic Cruise adapts the character of the cruise control to the different driving circumstances. Thanks to a further integration of Predictive Cruise Control (PCC) and EcoRoll, PCC can now activate EcoRoll sooner, when both technologies have calculated that vehicle momentum is sufficient to carry the vehicle in neutral gear over the top of the hill within a set speed bandwidth.

Industry-leading PACCAR Engine Brake performance

Next to engine performance, the performance of the PACCAR Engine Brake has been enhanced. Maximum braking power of the PACCAR MX-11 engine has grown from 320 to 340 kW. Braking power has increased 20% between 1,000 to 1,500 rpm. Maximum braking power of the MX-13 is no less than 360 kW and in the important 1,200 to 1,500 rpm range, braking power has increased up to 30%.

Aerodynamic Optimizations

In order to achieve lowest possible fuel consumption, vehicle aerodynamics have been improved thanks to a new sun visor design for the CF and XF. In addition, the new XF features wheel bay extensions and flow guides behind the grille for optimal aerodynamics around the truck and through to the engine bay. New grille closures reduce drag, and new gap closures between the headlight and corner deflector realize the best possible aerodynamics.

Up to 100 kilogram higher pay load

For the new CF and XF, DAF has developed a completely new and compact Exhaust After-treatment System (EAS), which results in more chassis space for components such as larger fuel tank, compressors, tool boxes or crane legs.

An advanced substrate technology allows for a 40% reduction in overall volume in the EAS unit. This is done without compromising backpressure, ash cleaning intervals or DeNOx efficiency. In fact, the compact box heats up faster allowing the engine to operate quicker and even more frequently in its most efficient fuel map.

The compactness of the EAS units also means that for special applications, DeNOx catalytic converter and Diesel Particulate Filter don't need to be split anymore, which contributes to excellent overall efficiency.

Another advantage of the new ultra-compact EAS unit is that it is some 50 kilograms lighter. Thanks to additional measures like engine and chassis weight optimisation, the new CF and XF offer 100 kilogram more payload.

Maximum uptime

Service intervals of the new DAF CF and XF can be extended from 150,000 to 200,000 kilometer. Despite the compact dimensions of the new EAS unit, its capabilities are unmatched, resulting in ash cleaning intervals of up to 500,000 kilometer, which contributes to maximum customer uptime.

The enhanced *Body Attachment Method* supports the shortest configuration time, as the new design at the rear end of the chassis allows easy fitment of, for instance, tail lifts and dedicated prepared installation plates for boxed bodies and cranes.

DAF Connect fleet management system

DAF Connect is an innovative fleet management system, offering the operator real-time information on the performance of his vehicles and drivers.

Information on vehicle location, fuel consumption, mileage, fleet utilization and idle time are clearly presented in an on-line dashboard, which can be tailored to customer requirements. The user-friendly dashboard can be configured to provide comprehensive fuel reports with current and historical data that compares the fleet's vehicles and drivers. The Live Fleet View feature provides all the information needed about the location of the fleet in order to enable optimal planning including distances, routes and driving time for the vehicle and driver. Operators receive self-defined alerts when deviations occur in areas like speed, route, location and fuel consumption so they can immediately improve fleet performance.

DAF Connect optimizes vehicle availability, reduces operational cost and enhances logistical efficiency. DAF Connect also allows the transport operator to effectively plan repair & maintenance and take advantage of tailor-made advice by DAF when using DAF Connect.

The new CF and XF: Drivers Dream

The new CF and XF remain the industry leader in driver comfort, thanks to their great accessibility, excellent interior space and many innovations that enhance comfort, user-friendliness, attractiveness and safety.

- New interior trim
- New Temperature and Climate Control (HVAC)
- New Exclusive Line
- Upgraded instrument panel and dashboard lay-out

- Plug and play driver preference switches

From the moment you step inside, the new DAF CF and XF deliver the highest level of quality and driver comfort. New warm and tasteful colors on the dashboard, seats, curtains, mattresses, side and back walls give the interior a beautiful appearance in which every driver can appreciate the luxury and richness. The XF piano black decoration on dashboard and rear wall gives the interior extra appeal. The XF Super Space Cab remains the most spacious cab on the market with a total volume of more than 12.6 m³.

New temperature and climate control

The new DAF CF and XF feature a completely new automatic HVAC system which is very easy to operate. The system also contributes to the best fuel efficiency as the new smart controlled air-conditioning system consumes less energy by cooling the air down only as much as is needed to reach the desired temperature. Intelligent control of the evaporator is also used to avoid unnecessary air cooling. The new fully automated HVAC system uses residual heat from the engine for heating the cab during shorts breaks, which adds to fuel efficiency. The new temperature and climate control systems can also be operated using the new rear wall panel with temperature display for highest driver comfort.

New Exclusive Line

The summit of luxury and comfort is the new Exclusive Line, available for both the new CF and XF. The top-of-the range Exclusive Line is distinguished by the cognac colored dashboard, door panels (XF) and leather seats, as well as the stylish bright vents (CF). A leather steering wheel is standard on the luxurious CF and XF versions.

Enhanced Driver Information and user-friendliness

The instrument panel has been redesigned with new characters for a more modern and attractive appearance and enhanced clarity. The enhanced Driver Information Panel includes a tachograph countdown, displaying remaining driving and resting times.

This contributes to enhanced comfort and efficiency, as do the driver configurable switches (MUX), which allow the driver to position dashboard switches according to his/her preference. MUX-switches also allow optimal positioning of controls and switches for the operation of the superstructure or components like aggregates and crane leg supports.

Drivers will also benefit from the new interior light switch, positioned in the central part of the dashboard, while DAF's great sliding table and unmatched storage space remain untouched. The new interior light switch stands out in user-friendliness with possibilities of dimming for 'night drive' and 'relax' modes. All speed related functions, including cruise control, predictive cruise control and adaptive cruise control are perfectly and logically grouped at the right side of the steering wheel.

Great looks

DAF has enriched the exterior styling with subtle and stylish elements, like the identity plate in the doorstep which welcomes the driver to the luxurious interior (XF). A new DAF nameplate with a redesigned DAF logo featuring chrome letters symbolize the trucks' quality. Accents in the bumper and sun visor give the exterior an extra touch of richness, as do the decorative strips in the grille and the new grill mesh for the XF.

Start of Production

The new CF and XF will enter production in the summer of 2017 in 4x2 tractor (FT) and rigid (FA) configurations, the 6x2 tractor FTG and FTP with pusher axles, and the 6x2 rigid with single mounted trailing axle (FAR). Other excellent versions will follow in autumn.

"We have made the best trucks on the market even better", commented Preston Feight, DAF Trucks president. "The new CF and XF further extend the current trucks excellent reliability, fuel efficiency and driver comfort. As part of our DAF Transport Efficiency philosophy we have again made major steps to further enhance vehicle efficiency by providing the lowest operating cost and the higher uptime for our customers. The new CF and XF represent Pure Excellence."

New CF and XF power ratings

MX-13	530 390 KW / 530 HP - 2500/2600 NM @ 1000 rpm
	480 355 KW / 483 HP - 2350/2500 NM @ 900 rpm
	430 315 KW / 428 HP - 2150/2300 NM @ 900 rpm
MX-11 Haulage	450 330 KW / 449 HP - 2200/2300 NM @ 900 rpm
	410 300 KW / 408 HP - 2000/2100 NM @ 900 rpm
	370 270 KW / 367 HP - 1800/1900 NM @ 900 rpm
MX-11 Distribution	340 250 KW / 340 HP - 1500 NM @ 900 rpm
	300 220 KW / 299 HP - 1350 NM @ 900 rpm

DAF Trucks N.V.—a subsidiary of the American company PACCAR Inc., one of the world's largest manufacturers of heavy-duty trucks—is a leading manufacturer of light, medium and heavy-duty trucks. DAF manufactures a full range of tractor units and 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. In addition, DAF develops and manufactures components such as axles and engines for bus and coach manufacturers worldwide. DAF Trucks N.V. has production facilities in Eindhoven in the Netherlands, Westerlo in Belgium, Leyland in the United Kingdom and Ponta Grossa in Brazil, and over 1,000 dealers and service points in Europe and beyond.

Eindhoven, 25 April 2017

Note to the editors

For more information:

DAF Trucks N.V.

Corporate Communication Department

Rutger Kerstiens, +31 40 214 2874

www.daf.com