

Vehicle Summary XF 480 FAN 6X2 Podvozek

Audio and infotainment	DAF Infotainment Luxury Plus with Luxury speakers
Tyres fr1 or fr axles	F1,385/65R22.5GO KMAXS2 160/000 K Steering BBA
Tyres driven rear axle(s)	R1,315/80R22.5GO KMAXD2 156/150 L Traction DCA
Engine	Engine MX-13, 355 kW/483 hp. Cab Badge: 480
Retarder system	MX Engine Brake
Spare tyre	SP,315/80R22.5GO KMAXD2 156/150 L Traction DCA
Application packages 1	Crane V3 - gb PTO, Plug&Play, HW cntr.
Cab version	Day Cab
Front axle	Front: 9.00 t, parabolic, 187N
Wheelbase / rear overhang	Wheelbase 4.80 m / rear overhang 2.90 m
Rear axle group	Rear: 20.00 t, air suspension, SR1347
Tyres driven re2 or trailing axle	R2,315/80R22.5GO FMXSE 156/150 L Steering BBA 3P
Rear axle ratio	Rear axle ratio 2.53
Chassis weight related gross vehicle mass GVM	Chassis weight related technical GVM max 28000 kg
Drawbar/coupling related max GCM	Drawbar/coupling related max GCM 80000 kg
Cab colour	E1980WHTE
Connected Services	PACCAR Connect
Supplier tyres	Goodyear
Exhaust emission	Exhaust emission Euro 6
Gearbox execution	Automated gearbox, TraXon, 12 speeds
Chassis component layout	Standard component location
Exhaust discharge position	Exhaust pipe horizontal, low
Fuel tank(s)	430 l alu fuel tank LH, height 620 mm
Type plate related drawbar or solo application	Type plate related drawbar appl. up to max GCM
Body type	No ex works body type
Vehicle warranty	Warranty Plus-Driveline-3 years-300K

Detailed Specification XF 480 FAN 6X2 Podvozek

APPLICATION PACKAGES

- Option for specific Crane bodybuilder hardwired controlled functionality between chassis and crane with aligned specification of options, parameter settings and electrical interface. It includes a NTX/10c gearbox PTO. The option can be used for similar creanes. For designed bodybuilder application and detailed information please consult DAF BBI+.

CAB EXTERIOR

- Chassis front execution: robust provides for a three-piece steel protruding bumper with integrated fog lights, a radiator protection plate, a steel front underrun protection and black grille strips.
- Translucent external sun visor above the windscreen, colour: Midnight blue.
- Dashboard switch and wiring including connectors A229 and A230 for easy mounting of two LED work lamps on the cab rear wall. The two work lamps are supplied loose.
- Two LED hazard beacon lights on the cab roof.
- Double glazed window in the cab rear wall.
- Additional, lower window in the co-driver's door.
- DAF Corner View is a camera system replacing the front view and kerb view mirror. The system consists of a thin corner-view camera, positioned just below the front screen at the co-driver side, and a display, mounted on the A-pillar inside the cab. The camera offers a wider field of view and improved vehicle aerodynamics.
- Central door lock system with exterior light check function. Includes 2 remote control units with integrated snake blade key with flip mechanism.
- Luxurious Day Cab with unrivalled aerodynamics for fuel efficient driving and low CO2 emissions. The huge and deep frontscreen, curved at the sides combined with large side windows offer an unsurpassed direct view for the driver, to enhance road safety. Cab length: 2030 mm; cab width: 2500 mm. Number of cab entrance steps: 3.
- LED head and bumper mounted fog lights.
- Maintenance free 4-point mechanical cab suspension with integrated shock absorbers.
- Rigid first cab entrance step with anti-slip tread.
- Bi-reflector LED head lights with impact-resistant Lexan lens.
- Head light beam for right-hand traffic.
- LED day time running lights are integrated in the head light units. They are ON when the engine is running.
- Black door handle and door handle surround. The sleek cab side wall is executed in cab colour.
- Front windscreen of laminated, double layer safety glass.
- Tempered, single layer safety glass.
- Main mirror and wide angle mirror.

- Camera at the rear of the vehicle for rear view. Camera images will be shown on the additional display in the dashboard wing belonging to the DAF Infotainment System: Luxury, Luxury Plus or Exclusive.

COLOURS

- Cab colour: E1980WHITE
- Colour of lower cab step: Stone Grey.
- Colour of mirror covers: black.
- Chassis colour grey.
- Colour of head lamp panel: Crystal White.
- Colour of bumper: Crystal White.

CAB INTERIOR

- **Steering wheel with leather finish.**
- **Soft woven, fabric door covering.**
- **Adjustable arm rests at both sides of the driver seat.**
- **Foldable cinema co-driver seat with table feature. The head rest can be tilted and used as table tray. Cover material seat: fabric.**
- **Adjustable arm rest at both sides of the co-driver seat.**
- Extractable dashboard table at the top of the centre console.
- **Refrigerator on the engine tunnel, accessible from the top.**
- LED cab interior lighting, comprising a.o. two large LED light units in the cab ceiling with dimmable flood light to light the whole cab, dimmable red night driving light and a separate spot light for driver as well as co-driver.
- **Cab climate control automatically controls cab temperature, blower, air distribution and air conditioning**
- Water-to-air 3.8 kW auxiliary cab heater with residual heat pump. Control panel with 7-day timer.
- **Roof hatch with electric control.**
- **Accessory power supply on the dashboard: 2x 12V/5A and one USB-A connection in the small storage compartment in the centre console. Additionally 2x 24V/40A (application connector A144) to the roof console.**
- **ECAS remote control with illuminated buttons for various functions including four memory buttons for pre-set chassis heights.**
- **Air suspended driver seat - Luxury Air. High backed with adjustable shoulder support. Two-step seat heating. Upholstery Habsburg for the seat facing, Cornivus for the borders and Habsburg Uni for the edges.**
- Left-hand drive.
- Cab interior trim colour: Luxury consists of a light interior trim colour on roof and roof console. Door panels and the part below the dashboard are grey.
- Dashboard finish: Vision - The dashboard descends towards the front screen to create more direct view on the road. The centre part has a plane finish, which can be used for various purposes.
- Cab interior decoration: Hexagon. Accents will be in facet black.

- Cab wallcovering textile with sound absorbing inner lining.
- The driver seat is fixed to the cab floor.
- The co-driver seat is fixed to the cab floor.
- Seat belts black.
- Open storage compartment in the centre console.
- Pollen filter with activated carbon to eliminate traffic and engine blow-by gasses and odours. Effectiveness 85% for particles up to 0.5 micron and 98% for particles up to 10 micron.
- Electric window openers.

COMMUNICATION AND DRIVING MANAGEMENT

- **Wiring and connectors for easy installing of a Fleet Management System (FMS) system, to read information as defined in the truck manufacturers' FMS standard on the additional display in the dashboard wing.**
- **Digital (smart) tachograph VDO DTCO with Global Navigation Satellite System (GNSS) receiver and Dedicated short-range communications (DSRC) unit, compliant to EU Mobility package 1 as described in the EU tachograph regulations.**
- **Speed limiter setting for cruise control/accelerator pedal: 90 km/h.**
- **DAF Infotainment System: Luxury Plus includes an additional 10.1 inch touch display and control buttons in the dashboard wing. FM/DAB/DAB+ radio is integrated in the system as well as streaming functionalities via USB and Bluetooth including phone capabilities. Additionally offers DAF Truck Navigation capabilities through WebLink app and USB connection. Supports Apple CarPlay / Android Auto projection on secondary display via USB connection. Note that only one USB application can be displayed.**
The Luxury speaker system consists of five speakers: two bass speakers in the door panels (one in each door), two tweeters on the A-pillar and a full-range frequency speaker at the centre of the dashboard.
- **Standard antennas: AM/FM/DAB/DAB+ radio frequencies, 2x cellular for use by mobile phones, GNSS for location purposes. Extra: CB antenna.**
- 10 year subscription for PACCAR Connect. PACCAR Connect is an online fleet management system giving insight in relevant truck, driver and location information.
- ACC (Adaptive Cruise Control) with FCW (Forward Collision Warning) and AEBS-3 (AEBS: Advanced Emergency Braking System). With ACC a set distance to the traffic ahead can be maintained; safety systems FCW and AEBS assist in avoiding or mitigating the impact of an impending collision with various moving or stationary objects in front of the vehicle, like other road users or crossing pedestrians, by alerting the driver and activating the brakes if necessary.
- Driver Performance Assistant (DPA). Interactive programme to support the driver in achieving the most cost effective driving style. The DPA information is shown on the 5 inch full colour TFT display in the instrument panel.

SAFETY AND SECURITY

- **Main switch on the chassis.**
- Speed limit recognition informs the driver of the maximum permitted speed, using map-based information and traffic sign recognition via a camera at the front of the vehicle.

- DAF drowsiness detection assesses the driver's alertness through vehicle systems analysis and warns the driver, when deemed necessary.
- Lane Departure Warning System to prevent inadvertent lane changes due to driver's fatigue or distraction and to form an effective driving aid in low visibility conditions.
- Electronic Vehicle Stability Control system (VSC) to enhance the active driving safety. Improved directional stability (understeer, oversteer jack-knifing) and additional roll-over safety.
- Acoustic reverse warning with override switch.
- Basic engine immobiliser.
- Drive-off Assist informs the driver of vulnerable road users in the front bumper area and, if applicable, warns the driver to prevent collision.
- Safety system that detects and informs the driver of a moving object near the co-driver's side of the vehicle. The system also supports the driver to prevent collisions with other road users when changing lane.
- Preparation for an alcohol interlock system, consisting of a standardised interface (connector) for breathalysers in vehicles.
- The vehicle supplied by DAF is compliant with UN Regulation R155 concerning cyber security management systems as well as UN Regulation R156 concerning software update management systems.

SUSPENSION AND AXLES

- **Axle load monitoring: calculation and display of the axle loads of the rigid and trailer (if the trailer is equipped with EBS and axle load sensing). The axle load of a leaf suspended front axle of the rigid will not be displayed.**
- **Front axle type 187N, 32 mm vertical offset. Parabolic leaf suspension with shock absorbers and stabiliser. Max. load 9.0 tonnes.**
- Manual control to lift the leading and/or trailing rear axle(s) by operating a switch provided the axle load on the driven rear axle(s) is below its maximum.
- **Driven rear axle and non-driven steered trailing rear axle with electronically controlled air suspension, including shock absorbers and stabiliser. Driven rear axle type SR1347 with single reduction and 4 air bellows. Trailing axle with 2 air bellows. Max. group load: 20.0 tonnes.**
- **Parabolic front suspension, high driving height conditions.**
- Trailing axle load 8.0 t.
- Axle load limiter 11.5 t.
- Lifting device for the steered trailing rear axle.

WHEELS AND TYRES

- **Front axle(s): tyre size 385/65R22.5, wheel size 22.5 x 11.75.**
- **Driven rear axle(s): tyre size 315/80R22.5, wheel size 22.5 x 9.00.**
- **Front axle: tyre size 385/65R22.5, Goodyear type KMAXS2, load index 160/000, speed index K, application Steering - Regional. Tyre label: rolling resistance B - wet grip B - noise 70dB(A), Category A.**
- **Driven rear axle: tyre size 315/80R22.5, Goodyear type KMAXD2, load index 156/150, speed index L, application Traction - Regional. Tyre label: rolling resistance D - wet grip C - noise 72dB(A), Category A.**

- **Spare: tyre size 315/80R22.5, wheel size 22.5 x 9.00.**
- **Spare wheel: tyre size 315/80R22.5, Goodyear type KMAXD2, load index 156/150, speed index L, application Traction - Regional. Tyre label: rolling resistance D - wet grip C - noise 72dB(A), Category A.**
- **Trailing axle, tyre size 315/80R22.5, wheel size 22.5 x 9.00.**
- **Trailing axle: tyre size 315/80R22.5, Goodyear type FMXSE, load index 156/150, speed index L, application Steering - Long distance. Tyre label: rolling resistance B - wet grip B - noise 71dB(A), Category A - 3PMSF - M+S - RFID.**
- Supplier Goodyear.
- Tyre pressure monitoring.
- Steel disc wheels, silvergrey.
- Wheel protection rings with open centre section, colour silver-grey (RAL 9006).

DRIVELINE

- **Engine MX-13, multi torque 6 cylinder diesel engine, 12.9 litres. Output 355 kW (483 hp) at 1600 rpm. Maximum torque 2500 Nm at 900-1125 rpm.**
- **Eco performance: the shift strategy control settings of a vehicle with Eco performance focus on fuel efficiency and driveability. The fuel efficient setting, which is automatically selected, can temporarily be switched off by pushing the Eco off button to increase the performance of the vehicle.**
- **Urge-to-move is a brake pedal controlled manoeuvring mode: if selected, the vehicle starts rolling slowly without applying the accelerator pedal.**
- **Automated gearbox software optimised for off-road applications including Rock-free function. Selection switches on the dashboard for on-road or off-road driving as well as for the Rock-free function.**
- **Automated direct drive gearbox TraXon 12TX2620, ratio 16.69-1.00, 12 speeds.**
- **Rear axle ratio 2.53.**
- **Driven rear axle with a mechanical differential lock.**
- Exhaust emission Euro 6.
- Automated gearbox, TraXon, 12 speeds.
- Traction aid 13.0 t.
- The ASR (anti-slip regulation) system prevents the driven wheels from slipping when accelerating at driving off and helps the vehicle to remain stable on critical road surfaces.

BRAKE SYSTEM

- **MX Engine Brake. Hydraulically operated compression brake assembly integrated in the valve rocker group. The MX Engine Brake works simultaneously with the exhaust brake, resulting in a high combined braking power available at low engine rpm.**
- **Spring brake cylinders on the first front axle.**
- Pneumatic park brake control.
- Twin cylinder air compressor with heated dryer and economy mode.

- Ventilated disc brakes front and rear. Dual circuit air system with electronic control (EBS). Engine driven, water cooled air compressor with automatic air heated dryer.

CHASSIS

- Exhaust discharge to the right-hand side.
- Rear underrun protection.
- Preparation for worklamp at the rear.
- Rear light unit with LEDs.
- Three-piece thermoplastic rear mudguards.
- EAS unit (for crane application) at the right-hand side of the chassis; vertical battery box and 75 litres tank for AdBlue® positioned at the left-hand side.
- Wheelbase 4.80 m / rear overhang 2.90 m.
- Side member height 310 mm, thickness 7.0 mm. Full length inner reinforcement.
- Standard location of chassis components.
- Horizontal exhaust discharge at the side of the DPF/SCR unit via a low exhaust diffuser.
- Air tanks steel.
- 430 litres aluminium fuel tank at the left-hand side, height 620 mm.
- Fuel tank at the left-hand side of the chassis.
- Front underrun protection (FUP), according to EU directive 2000/40/EEC.
- Spray suppression in the mudguards, according to directive 91/226/EEC.
- Temporary rear light brackets.

DRAWBAR AND TRAILER EQUIPMENT

- Drawbar cross member with Rockinger trailer coupling: D-value 200 kN, Dc-value 140 kN, V-value 90 kN, S-value 1000 kg.
- Type plate related drawbar application, up to the maximum allowable GCM.
- Pneumatic trailer connection with palm type couplings.
- Electric trailer connection 24 V with two 7-pin sockets. An additional 7-pin socket is mounted to connect the EBS system of the (semi-)trailer.

BODIES AND PREPARATIONS FOR BODYING

- Connector for hardwired engine speed control on the chassis (A222). Control functions for engine speed adjustment, programmed engine speed selection, application speed limiter and remote engine start/stop.
- ECAS control to secure vehicle stability during PTO operation. ECAS control comprises both ECAS in bump position and ECAS freeze.
- Loose supply of a wiring loom with LED-type side marker lights.
- Hardwired body signals and warnings.

- **Preparation for aftermarket switches, providing an application connector in the chassis (A212) and a wiring loom between this application connector and the chassis module rear.**
- **Application connector necessary to support a Plug & Play application package, allowing easy installation of a superstructure on a DAF chassis.**
- **Application connector (A212), providing extra flexibility for body related functions by allowing default pinning to be altered via DAVIE.**
- Additional light connector in the chassis.
- Chassis frame prepared for standard applications.
- Standard body attachment hole pattern.

POWER TAKE-OFF (PTO)

- **First gearbox PTO N../10c, mounted below the gearbox countershaft. Gear ratio 41/26, direct pump drive.**

24V POWER SUPPLY

- **The Battery Energy Monitoring system measures voltages, current and temperature and provides an indication of the state of charge. When battery power is critical a warning will be shown to prevent road side breakdown.**
- **Alternator 130 A, batteries 2x 210 Ah AGM.**

GVM AND GCM

- **Chassis weight related technical GVM max. 28000 kg.**
- **Drawbar/coupling related max. GCM 80.000 kg.**
- Driveline related max GCM 50000 kg class 3.

APPLICATION CONDITIONS

- **Cyclonic air intake high.**
- **Shield beneath the radiator to prevent the disturbance of dust by the cooling fan.**
- Application class 0 comprises Western-Europe excluding United Kingdom and Ireland.
- Standard noise level.
- Cab insulation suited for moderate climate conditions (weather patterns remain within reasonable limits).
- Maximum ambient temperature 38 degrees.
- On-engine heated fuel pre-filter with water separator.

SERVICE AND MAINTENANCE

- **Warranty Plus - Driveline, takes care of 1 year complete vehicle as supplied by the OEM (excl. real wear parts), 2nd and 3rd year driveline up to 300,000 km and 1st year breakdown.**
- ITS service.
- Service interval standard.

- A number of parts used to manufacture a vehicle contain SVHCs (Substances of Very High Concern) as defined in the REACH legislation.

VEHICLE DELIVERY

- **Standard toolkit consisting of a 750 mm control lever, a 30/32 mm wheel nut wrench, a 30 mm box wrench, an approximately 800 mm long torque pipe, a 24/27 mm open end spanner, a T20 and T30/T45 torx screw wrench and a towing coupling with pintle pin.**
- **Pre-delivery inspection, comprising a vehicle specification check and a technical vehicle inspection.**
- **Lifting jack.**
- Whole Vehicle Type Approval (WVTA) for European Union.
- Type plate standard.
- CoC document printed in English (EN) language.
- CO2 calculation is possible in TOPEC RTS.

CUSTOMER NEEDS

