

Vehicle Summary XD 450 FAN 6X2 Podvozek XD 450 FAN SC 0G512965 568271

Front axle	Front: 9.00 t, parabolic, 187N
Retarder system	MX Engine Brake
Fuel tank(s)	545 l alu fuel tank LH, height 620 mm
Vehicle warranty	Warranty Plus-Vehicle-3 years-300K
Audio and infotainment	DAF Infotainment Luxury Plus with Luxury speakers
Application packages 1	Hooklift V3 - REPTO, Plug&Play, BB-CAN cntr.
Wheelbase / rear overhang	Wheelbase 4.80 m / rear overhang 2.70 m
Cab version	Sleeper Cab
Engine	Engine MX-11, 330 kW/449 hp. Cab Badge: 450
Tyres fr1 or fr axles	F1,385/65R22.5GO FMXSE 160/000 K Steering BBA 3P
Tyres driven rear axle(s)	R1,315/80R22.5GO FMXDE 156/150 L Traction BBA 3P
Tyres driven re2 or trailing axle	R2,385/65R22.5GO FMXSE 160/000 K Steering BBA 3P
Spare tyre	SP,315/80R22.5GO FMXDE 156/150 L Traction BBA 3P
Type plate related drawbar or solo application	Type plate related drawbar appl. up to max GCM
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
Rear axle group	Rear: 20.00 t, air suspension, SR1344
Supplier tyres	Goodyear
Exhaust emission	Exhaust emission Euro 6
Gearbox execution	Automated gearbox, TraXon, 12 speeds
Rear axle ratio	Rear axle ratio 3.08
Chassis component layout	Standard component location
Exhaust discharge position	Exhaust pipe horizontal, low
Body type	No ex works body type

Detailed Specification XD 450 FAN 6X2 Podvozek XD 450 FAN SC 0G512965 568271

APPLICATION PACKAGES

- Option for specific Hooklift bodybuilder. CAN controlled functionality between chassis and Hooklift body with aligned specification of options, parameter settings and electrical interface. It includes a rear engine PTO at position 13 hours without clutch. The option can be used for similar bodies. 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.
- Cab suspension air with integrated shock absorbers.
- Translucent external sun visor above the windscreen, colour: Midnight blue.
- LED headlights with impact-resistant Lexan lens, including levelling device.
- The cab roof is prepared for easy mounting of additional LED auxiliary top lights.
- 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.
- Door handle, door handle surround and cab side wall in cab colour.
- Double glazed window in the cab rear wall.
- Additional, lower window in the co-driver's door.
- Two LED hazard beacon lights on the cab roof.
- Central door lock system with exterior light check function. Includes 2 remote control units with integrated snake blade key with flip mechanism.
- Luxurious Sleeper 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. The cab interior is extremely comfortable for driving, living and sleeping with unprecedented spaciousness and practical layout. Cab length: 2360 mm; cab width: 2500 mm. Number of cab steps: 3.
- 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.
- LED head and bumper mounted fog lights.
- Rigid first cab entrance step with anti-slip tread.
- 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.
- 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.**
- **Refrigerator in drawer below the lower bunk. Additional storage space is available at the left- and right-hand side of the refrigerator, accessible with tilted bunk.**
- **Roller blind at the co-driver side to protect against sunlight.**
- **Accessory power supply on the dashboard: 2x 12V/5A and three USB-A connections and 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 - Super Air. High backed with adjustable shoulder support. Two-step seat heating and active seat ventilation. Upholstery Habsburg for the seat facing, Alcantara for the borders and Leather for the edges.**
- **Extractable dashboard table at the top of the centre console.**
- **Curtains along the windscreen and the side windows. Includes curtains for optional side and rear windows, if specified.**
- **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.**
- **Standard, foam mattress for the lower bunk, thickness 150 mm.**
- **Water-to-air 6 kW auxiliary cab and engine heater with residual heat pump and timer.**
- **Roller blind at the driver side to protect against sunlight.**
- **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.
- Automatic Temperature Control (ATC) and air conditioning. ATC automatically maintains the cab temperature that has been selected by the driver.
- 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.**
- **Standard antennas: AM/FM/DAB/DAB+ radio frequencies, 2x cellular for use by mobile phones, GNSS for location purposes. Extra: CB antenna.**
- **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.
- 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

- **Emergency hammer to enable exit from the vehicle in case of an emergency.**
- **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

- **Front axle type 187N, 32 mm vertical offset. Parabolic leaf suspension with shock absorbers and stabiliser. Max. load 9.0 tonnes.**
- **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.**
- 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.
- **Parabolic front suspension, high driving height conditions.**
- Driven rear axle and non-driven steered trailing rear axle with electronically controlled air suspension, including shock absorbers and stabiliser. Driven rear axle type SR1344 with single reduction and 4 air bellows. Trailing axle with 2 air bellows. Max. group load: 20.0 tonnes.
- 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.
- **Trailing axle:** tyre size 385/65R22.5, wheel size 22.5 x 11.75.
- **Spare:** tyre size 315/80R22.5, wheel size 22.5 x 9.00.
- **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 FMXSE, load index 160/000, speed index K, application Steering - Long distance. Tyre label: rolling resistance B - wet grip B - noise 71dB(A), Category A - 3PMSF - M+S - RFID.
- **Driven rear axle:** tyre size 315/80R22.5, Goodyear type FMXDE, load index 156/150, speed index L, application Traction - Long distance. Tyre label: rolling resistance B - wet grip B - noise 73dB(A), Category A - 3PMSF - M+S - RFID.
- **Trailing axle:** tyre size 385/65R22.5, Goodyear type FMXSE, load index 160/000, speed index K, application Steering - Long distance. Tyre label: rolling resistance B - wet grip B - noise 71dB(A), Category A - 3PMSF - M+S - RFID.
- **Spare wheel:** tyre size 315/80R22.5, Goodyear type FMXDE, load index 156/150, speed index L, application Traction - Long distance. Tyre label: rolling resistance B - wet grip B - noise 73dB(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

- **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.
- **Traction aid 15.0 t.**
- **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.
- **Engine MX-11, multi torque 6 cylinder diesel engine, 10.8 litres. Output 330 kW (449 hp) at 1600 rpm. Maximum torque 2350 Nm at 900-1125 rpm.**
- **Automated direct drive gearbox TraXon 12TX2210, ratio 16.69-1.00, 12 speeds.**
- **Driven rear axle with a mechanical differential lock.**
- Exhaust emission Euro 6.
- Automated gearbox, TraXon, 12 speeds.
- Manoeuvring mode for maximum control: if selected, the driveline is gradually engaged, proportionally to the operation of the accelerator pedal.
- Rear axle ratio 3.08.

- 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

- **545 litres aluminium fuel tank at the left-hand side, height 620 mm.**
- **Rear underrun protection.**
- **Spare wheel carrier right-hand side.**
- **Rear light unit with LEDs.**
- **Wheelbase 4.80 m / rear overhang 2.70 m.**
- **Side member height 310 mm, thickness 7.0 mm. Full length inner reinforcement.**
- **Exhaust discharge to the right-hand side.**
- **Preparation for worklamp at the rear.**
- Standard location of chassis components.
- Horizontal exhaust discharge at the side of the DPF/SCR unit via a low exhaust diffuser.
- EAS unit at the right-hand side of the chassis, horizontal battery box and 45 litres tank for AdBlue® at the left-hand side.
- Air tanks steel.
- 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.**
- **Electric trailer connection 24V with 15-pin socket. An additional 7-pin socket is mounted to connect the EBS system of the (semi-)trailer. Lighting / accessory cable with 15-pin connectors, EBS cable with 7-pin connectors.**
- **Pneumatic trailer connection with palm type couplings.**

- Type plate related drawbar application, up to the maximum allowable GCM.

BODIES AND PREPARATIONS FOR BODYING

- The option Additional rear light wiring provides a second rear light extension harness to enable mounting of a second set of rear lights at the rear of a vehicle.
- ECAS control to secure vehicle stability during PTO operation. ECAS control comprises both ECAS in bump position and ECAS freeze.
- CAN J1939 functions in application connector (chassis: A218; cab: A225).
- Application connector necessary to support a Plug & Play application package, allowing easy installation of a superstructure on a DAF chassis.
- Four application connectors (cab: A210 and A225; chassis: A218 and A219) for the purpose of a remote control for various tilting body functions on the chassis.
- Loose supply of a wiring loom with LED-type side marker lights.
- Additional light connector in the chassis.
- Chassis frame prepared for standard applications.
- Standard body attachment hole pattern.

POWER TAKE-OFF (PTO)

- Rear engine PTO, mounted on MX-11 engine in the 13 o'clock position with direct pump connection Hub ISO14 in combination with flange ISO 7653 mount. Rotation: counter clockwise. Operation: permanently engaged (non-clutched) with control. Maximum continuous output torque of the PTO: 800 Nm. Maximum peak output torque of the PTO: 1350 Nm. Speed factor: 1.304 (e.g. PTO output speed at 1000 rpm: 1304 rpm). More detailed info on BBI+.

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 150 A, batteries 2x 230 Ah.

GVM AND GCM

- Chassis weight related technical GVM max. 28000 kg.
- Drawbar/coupling related max. GCM 80.000 kg.
- Driveline related max GCM 44000 kg class 2.

APPLICATION CONDITIONS

- Cyclonic air intake high.
- Shield beneath the radiator to prevent the disturbance of dust by the cooling fan.
- Cab insulation suited for more extreme climate conditions (weather patterns with more extreme limits). Compared to the regular cab insulation, the cab back and side walls as well as the cab roof are extra insulated.

- Application class 0 comprises Western-Europe excluding United Kingdom and Ireland.
- Standard noise level.
- Maximum ambient temperature 38 degrees.
- On-engine heated fuel pre-filter with water separator.

SERVICE AND MAINTENANCE

- **Warranty Plus - Vehicle, takes care of 3 years complete vehicle as supplied by the OEM (excl. real wear parts) 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

- **Lifting jack.**
- **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.**
- 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

