



**KEL-BERG
CRANE TRUCK**

**DAF XD 450 8X2 STERLING PK48
CRANE TRUCK**

MAKE / MODEL:

DAF XD 450 FAX 8x2 Rigid Chassis

DRIVE LINE

Drive line is fitted with 10.8 litre, multi-torque 6-cylinder diesel MX-11 Euro 6 engine:

- Outputs: 330 kW (449 hp) @ 1,600 rpm
- Max Torque: 2,350 Nm @ 900 to 1,125 rpm

Equipped with 12-speed automatic direct drive TraXon 12TX2210 gearbox, ratio 16.69-1.00. Traction aid 15.0 t. Rear axle ratio 2.38.

Engine will idle shutdown after 5 minutes. Urge-to-move function is a manoeuvring mode that causes the vehicle to start rolling slowly without using the accelerator. Eco-fuel is a shift strategy that focuses on best fuel consumption. This is selected automatically but can be temporarily turned off to increase performance.

Fitted with driven rear axle with a mechanical differential lock. 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 services.

COLOUR

- Cab: E1980WHITE
- Lower cab step: Crystal White
- Mirrors: Black
- Chassis: Grey
- Headlamp Panel: Crystal White
- Bumper: Crystal White



CAB EXTERNAL:

Cab external features the following:

- Maintenance free 4-point mechanical cab suspension with integrated shock absorbers.
- Translucent Midnight Blue external sun visor.
- LED head and cornering lights.
- LED headlights.
- LED daytime running lights.
- Double glazed window in cab rear wall.
- Lower door window passenger side.
- Main, wide angle and font view mirrors.
- Camera at the rear of the vehicle for rear view. Images shown on dashboard display.
- Central door locking with exterior light checker function.
- Rigid cab steps with anti-slip tread.

CAB INTERIOR

Cab interior is in light trim colour, with door panels and dashboard finished in grey. The dashboard descends towards the front screen to create a more direct view of the road. Dashboard has 2x 12V/15A and 3 USB-A connections. The cab interior is decorated with a hexagon pattern, with black accents. The cab is lined with sound absorbing material.

Steering wheel is finished in leather. The driver's seat is air suspended, high backed and with armrests. Driver side window has roller sun blind. The passenger seat is foldable with adjustable headrest. Both



CHASSIS SPECIFICATION

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have black seat belts. Windows are opened electrically. There is an extractable dashboard table at the top of the centre console. The centre console also has an open storage compartment.

Sleep compartment has storage underneath the lower bunk. Additional storage is available to the left and right of the drawer, accessed by tilting the bunk. Bunk has 150 mm thick "Xtra Comfort" pocket sprung mattress. There are curtains along the windscreen and side windows, and an additional curtain between driving area and sleep compartment.

Cab lights are LED comprising of two large LEDs in ceiling, dimmable flood light, dimmable red night driving light, and separate spotlight for driver and passenger. Climate control automatically controls temperature, blower, air distribution and air conditioning. A water-to-air 6 kW auxiliary cab and engine heater with residual heat pump and time. Air is filtered to remove outside engine gasses and odours.

ECAS remote is used to raise and lower suspension. Adaptive cruise control and forward collision warning system included.

A 10.1 inch touch display with control buttons is in the dashboard wing, includes an FM/DAB/DAB+ radio integrated in the system as well as streaming functionalities via USB and Bluetooth, and phone capabilities. Supports Apple CarPlay and Android Auto via USB. Accessory power supply on dashboard; 2 x 12V/5A and three USB-A connections. There is a 5" TFT display in the instrument panel and driver performance assistant (DPA). Stoneridge or VDO digital (smart) tachograph.



CHASSIS

Chassis side member is 310 mm x 8.5 mm thick steel with full-length inner reinforcement. Wheelbase is 6,400 mm with 2,600 mm overhang. Exhaust discharged to the right-hand side with horizontal DPF/SCR unit via low exhaust diffuser.

EAS unit behind 2nd front axle at right hand side. Horizontal battery box and 45 L AdBlue tank below battery box at left-hand side. Fitted with steel air tanks. 340 L aluminium fuel tank on right hand side. Front underrun protection according to EU directive 2000/40/EEC, and spray suppression according to EU directive 91/226EEC. Rear lights LED.

BRAKE SYSTEM

Equipped with MX engine brake. This is a hydraulically operated compression brake integrated in the vale rocker group. It works simultaneously with the exhaust brake, resulting in high combined braking power at low engine RPM.

Electro-pneumatic controlled park brake with Auto Apply function when driver's door is opened, or ignition is off. This prevents the vehicle from being left unparked.

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.



AXLE & SUSPENSIONS

Front Axle Type: 163N, 100 mm vertical offset, Parabolic leaf suspension with shock absorbers and stabiliser. Max load 2 x 8.0 tonnes.

Rear Axle Type: Driven type SR1344, single reduction and 4 air bellows. Non-driven steered trailing axle with 2 air bellows. Max group load 20.0 tonnes. Trailing axle load 8.0 t.

Axle load limiter 11.5 t. Driven rear axle and non-driven steered trailing axle air suspension is electronically controlled, includes shock absorbers and stabilisers. Parabolic front suspension at regular driving height. Rear trailing axle automatically lifted when axle load permits it. System operates at vehicle speed of 4 km/h.

WHEELS & TYRES

Steel disc wheel rims in silver grey with wheel protection rings and centre section also silver grey (RAL 9006). Front and rear axles 315/60R22.5 22.5 x 9.00. Premium make tyres fitted. Equipped with tyre pressure monitoring system.

POWER TAKE-OFF (PTO)

Hardwired gearbox PTO control, no gearbox PTO. Includes PTO switch on dashboard and a PTO control valve on the chassis. PTO connector on the cab front bulkhead with input signals for PTO engagement or disengagement and signals for PTO status indication and PTO warning.



DRAWBAR & TRAILER EQUIPMENT

Type plate related drawbar application, up to maximum allowable GCM. Drawbar cross-member D-value 137kN, Dc-value 92kN, V-value 40kN. Pneumatic trailer connection with C-type couplings.

Electric trailer connection 24V with 15-pin socket. An additional 7-pin socket is mounted to connect the EBS system of the trailer.

ELECTRICAL POWER SUPPLY

Alternator 130 A, 2 x 175 Ah batteries.

GVC & GCM

- Chassis weight related technical GVM max. 35,000 kg
- Drawbar coupling related max GCM max. 56,000 kg
- Driveline related GCM max. 44,000 kg class 2

SAFETY & SECURITY

Fitted with acoustic reverse warning with override switch. Basic engine immobiliser. Prepped for alcohol interlock system. Compliant with UN Regulation R155 concerning cyber security management systems and UN Regulation R156 concerning software update management systems.

WARRANTY

1 year chassis cab with 2nd & 3rd year Driveline. This takes care of all warrantable repairs on the vehicle for the first two years and on the driveline for this year together with associated with breakdown coverage.

SERVICE & MAINTENANCE

Two options are available at additional monthly cost.

- Compliance package.
- Full R&M package, please ask for full details or a monthly cost.



BODY

The low profile beavertail body is built with folded steel crossmembers spaced at 300 mm intervals. The crossmembers are outriggered from the crane subframe. An 8mm angle side rave is fitted along each side, and wheelarches are added to the second axle in accordance with current legislation. Spray suppression is fitted to both the drive axle and the rearmost axle to meet the latest requirements.

BEAVERTAIL

A double bend beavertail is installed to the rear of the body. This configuration provides a loading angle of approximately 12 degrees. Round breakbars are positioned at each break-point of the sloping deck to enhance strength and usability. Hydraulic steady legs with an auto-lower function are located at the rear of the body, and safety and warning decals are applied to both the body and ramp.

HEADBOARD

Front headboard stands at 1000mm high and includes a steel infill up to window height. The headboard top plate is etched with Kel-Berg and hot-dip galvanised. Two chain bars are attached to the headboard, and recessed chain trays are positioned in the two outer bays at the front of the deck.

Two fold-out LED work lights are mounted on the headboard to illuminate the deck. Slide-out access steps and grab handles are also fitted at the front. Sockets are recessed into the side rave for an optional handrail. A winch plate with a guard is mounted at the front of the body, recessed into the headboard space where possible.



LASHING POINTS

- Heavy duty lashing rings recessed into the top of the side rave along the flat deck at nominal 900mm spacing (approx. 8 pairs depending on body length)
- 4 Pairs of heavy duty lashing rings mounted underneath the side rave along the flat deck
- 3 Pairs of heavy duty lashing rings recessed into the top of the side rave on the slope
- 2 Pairs of heavy duty lashing rings mounted underneath the side rave on the slope
- Pair/s of stacker twistlocks

RAMPS

A pair of 2.5m x 1.0m twin hydraulic fold-forward cheesewedge ramps are installed at the rear. Ramps are hot-dip galvanised for corrosion resistance and powered by an electro-hydraulic powerpack. A ramp control button box and spool valve are fitted on the nearside of the body.

DECK

The flat deck is finished with 28mm Kerning hardwood, while the slope and ramps use 32mm Kerning hardwood.

ADDITIONAL ITEMS

Additional features include a 1000mm-wide stainless steel toolbox fitted under the side of the body (subject to space availability) and stowage racks for crane leg pads supplied with the chassis. White conspicuity tape is applied along the side raves with red conspicuity tape on the rear. Side guards fitted sides to meet current legislation.

SURFACE TREATMENT

The main body is shot blasted, cleaned, and painted in two-pack paint in the customer's colour choice.

ELECTRICS

The body's electrics are routed through a fully enclosed wiring loom with sealed boxes and super-sealed connections. Low profile LED beacons are installed at the rear corners of the body. Rear corner outline marker lights, including integrated side marker lights, are fitted to meet all relevant legislation. Chassis-supplied side marker lights are installed underneath the flat deck.