



KEL-BERG
INSULATED TIPPER

DAF XDC 450 8X4 KEL-BERG
INSULATED TIPPER - SLEEPER CAB

Make / Model:

DAF XDC 450 FAD 8x4 Rigid Chassis

Driveline:

Fitted with 10.8 litre, multi-torque 6 cylinder Euro 6 MX-11 diesel engine.

- Outputs 330 kW (449 hp) at 1,600 rpm
- Max Torque 2,350 Nm at 900 – 1,125 rpm

Fitted with automatic TraXon 12 speed 12TX2610 overdrive gearbox, ASR (anti-slip regulation), Eco performance, rear driven axle mechanical differential lock. Engine idle shutdown after 5 minutes idle time.

- Gear ratio 12.92 – 0.77
- Axle ratio 3.73

Cab External Features:

- New 2023 aerodynamic cab.
- DAF Digital Vision System - Foldable camera above cab doors with two displays mounted to inside cab.
- Midnight blue translucent external sun visor.
- Large curved front windscreen.
- Double glazed window in cab rear wall.
- Passenger lower door window of tempered single layer safety glass.
- Cab entrance step with anti-slip tread. 3 steps.
- Central door locking system with light checker function. Includes 2 keys.



CHASSIS SPECIFICATION

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- LED head lights with impact resistant Lexan lens and levelling device.
- LED day time running lights integrated into headlight units.
- LED head and bumper mounted fog lights.
- Maintenance free 4-point mechanical cab suspension with integrated shock absorbers.
- Steel front underrun protection.
- Steel three piece bumper.
- Radiator protection plate.

Colour:

- | | |
|-------------------|---------------|
| • Cab | E1980WHITE |
| • Camera housing | Crystal White |
| • Head lamp panel | Crystal White |
| • Chassis | Grey |
| • Bumper finished | Grey |
| • Grille strips | Black |

Chassis:

Wheelbase is 5,700 mm with 1,650 mm overhang. Chassis is 310 mm x 6 mm steel with full length reinforcement. Horizontal exhaust discharge at the side of DPF/SCR unit low exhaust diffuser. Exhaust discharged to right hand side.

EAS unit behind 2nd front axle on right hand side. Horizontal battery box with 45 L AdBlue tank below at left side of the chassis.



Fitted with 340 L aluminium fuel tank on left hand side.

- Rear underrun protection
- Rear lights LED
- Steel air tanks

Safety & Security

- 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.
- Drowsiness detection assesses the driver's alertness through vehicle systems analysis and warns the driver, when deemed necessary.
- 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. This also supports the driver to prevent collisions with other road users when changing lanes.
- Preparation for alcohol interlock system.
- Compliant with UN Regulation R155, concerning cyber security management systems, and UN Regulation R156 concerning software update management systems.



Cab Interior:

Cab interior has hexagon decoration with light trim colour on roof and roof console. Panels and below dashboard are grey. Accents are facet black. The dashboard descends towards front windscreen to create more vision with plane finish. Dashboard has extractable table on top of centre console. Centre console has open storage compartment also. 2 x 12V/5A dashboard power supply and 3 USA-A connections.

Bunk has “Xtra Comfort” 150 mm thick pocket sprung mattress. There is a drawer for storage underneath the lower bunk with additional storage to left and right of the drawer, accessible with tilted bunk. Curtains along the windscreen and the side windows. There is an additional curtain between driving area and sleeping compartment.

Driver seat is air suspended, high backed, with armrests and black seat belts. Passenger seat is foldable. Pull down roller blind on driver side. Windows are electric. Interior lighting is LED with dimmable red night driving light and separate spot lights for driver and passenger. Equipped with cruise control. Fitted with leather steering wheel. Includes audible reverse warning system with override switch, and basic engine immobiliser.

Cab is climate control, regulating temperature, air distribution and air conditioning. Fitted with water-to-air 6kW cab and engine heater with residual head pump and timer.

Fitted with digital (smart) VDO DTCO tachograph with Global Navigation satellite System (GNSS) receiver and dedicated short-range

communications (DSRC) unit. DAF Luxury Plus Infotainment System – additional 10.1 inch touch screen display with audio and infotainment functionality, including tracking navigation.

An FM/DAB/DAB+ radio is integrated in the system as well as streaming functionalities via USB and Bluetooth.

Luxury speaker system – two bass speakers, two tweeters and full range frequency speaker.

Driver performance assistant (DPA) information is shown on 5” colour TFT display in instrument panel



Braking System:

Features ventilated disc brakes front and rear. Dual circuit air system with electronic control (EBS). Twin cylinder air compressor with heated dryer and economy mode. Fitted with MX engine brake – hydraulically operated compression brake assembly integrated in the valve rocker group. Works simultaneously with the exhaust brake.

Electro-pneumatic park brake with auto apply functionality when the driver's door is open and ignition is off. Spring brake cylinder on the 2nd axle of the rear tandem axle.

Electrical Power Supply:

Alternator 110 A, Batteries 2 X 175 aH

Axles & Suspension:

Front axle 167N, 20 mm vertical offset. Parabolic leaf suspension with shock absorbers and stabiliser - Max load 2x 7.1 ton.

Rear spring max load 19.0 t. Brake system designed load 19.0 t.

Double driven rear tandem axles type SR1132T with single reduction and trapezium leaf suspension. Mechanical cross-axle and inter-axle differential locks. Max group load 19.0 tonnes

Power Take Off (PTO):

First gearbox PTO type NH/4c mounted below gearbox countershaft. Gear ration 27/30, direct pump drive.

GVC & GCM:

Chassis weight related technical GVM max 32,000 kg
Driveline related max GCM 35,500 kg class 2

Warranty:

2 year warranty on chassis and 3rd year on driveline. This takes care of all warrantable repairs on the vehicle for two years and on the driveline for a third year together with associated breakdown coverage.

Service & Maintenance

Two options are available at additional monthly cost,
Option 1) Compliance package
Option 2) Full R&M Package
Please ask for a full details or a monthly cost.

BODY SPECIFICATION

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Body Construction:

Body has an 18.1 m³ (23.7 yd³) capacity and is designed for the transportation of aggregates and asphalt. It features extruded aluminium top and bottom rails, giving a light weight but strong construction.

Removable front corner posts allow for easy replacement of damaged insulation panels. The slid down aluminium access ladder c/w hand rails is situated on N/S for safety. The last 1.5 metres of the floor is 8 mm thick.

Body Dimensions:

Internal Body Length:	6500 mm
Internal Depth:	1220 mm
Internal Body Width:	2285 mm
Side Wall Thickness:	4.76 mm
Headboard Thickness:	4.76 mm
Tailgate Thickness:	4 mm

The body is fitted with rubber mounting blocks on the underside of the V pan.

The aluminium front and rear mud wings are bolt on and have Kel-Berg rubber flaps with chains to cover the rear lights, which are mounted on an aluminium bracket with a horizontal plate that is fixed to the rear most wing.



Insulation:

The body sides are insulated with earth wool Dritherm cavity slab that is sandwiched between the aluminium panels. The headboard, tailgate and underfloor are insulated with an air gap between outer aluminium skin.

Tailgate:

The 300 mm sloped, split tailgate is hinged from an extruded tie bar. Pneumatic over centre locking mechanism and pneumatically controlled cylinders lift and lower the bottom section of the gate.

A manual lever assist bar is provided to perform a manual override. The lower section of the gate is fitted with removable screw clamps & sword pins for secondary security.

Tipping Gear:

A front mounted EDBRO CX15 tipping gear with integral oil tank is fitted with an EDBRO PTO and pump.

Additional Extras:

- N/S headboard mounted cat walk with slide down access ladder.
- A front mounted shovel and holder fitted to the O/S front bulkhead.
- Galvanised swing up brackets are fitted each side with aluminium lateral bars.

