



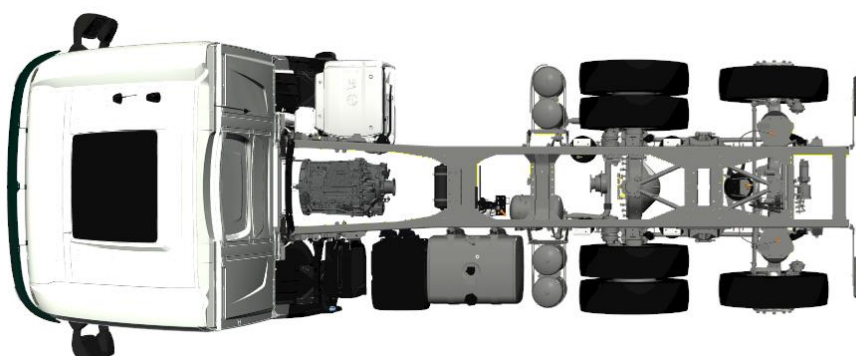
DAF Trucks Polska Sp. z o.o.



2025-03-17 | D0773222

**XD 340 FAN 6X2 Podwozie pod zabudowę PMC25 XD_340_FAN
_EKOCEL_06**

XD 340 FAN 6X2 Podwozie pod zabudowę PMC25 XD_340_FAN _EKOCEL_06



Vehicle Summary XD 340 FAN 6X2 Podwozie pod zabudowę PMC25 XD_340_FAN_EKOCEL_06

Market packages	No market package
Application packages 1	No application option
Cab version	Day Cab
Cab colour	E1980WHTE
Connected Services	PACCAR Connect with navigation
Audio and infotainment	DAF Infotainment Luxury Plus with Luxury speakers
Front axle	Front: 8.00 t, parabolic, 165N
Rear axle group	Rear: 20.00 t, air suspension, SR1347
Supplier tyres	Goodyear
Tyres fr1 or fr axles	F1,315/80R22.5GO KMAXS2 156/150 L Steering CBA
Tyres driven rear axle(s)	R1,315/80R22.5GO OMTD 156/150 K Traction DBB
Tyres driven re2 or trailing axle	R2,315/80R22.5GO KMAXS2 156/150 L Steering CBA
Spare tyre	SP, not applicable
Engine	Engine MX-11, 251 kW/341 hp. Cab Badge: 340
Exhaust emission	Exhaust emission Euro 6
Gearbox execution	Automated gearbox, TraXon, 12 speeds
Rear axle ratio	Rear axle ratio 4.10
Retarder system	Exhaust brake
Wheelbase / rear overhang	Wheelbase 3.80 m / rear overhang 0.74 m
Chassis component layout	Standard component location
Exhaust discharge position	Exhaust pipe horizontal, low
Fuel tank(s)	340 l alu fuel tank LH, height 620 mm
Type plate related drawbar or solo application	Type plate related solo application, no trailer
Body type	No ex works body type
Chassis weight related gross vehicle mass GVM	Chassis weight related technical GVM max 27000 kg
Drawbar/coupling related max GCM	No drawbar/coupling related max GCM
Vehicle warranty	Warranty Plus-Vehicle-3 years-300K

Detailed Specification XD 340 FAN 6X2 Podwozie pod zabudowę PMC25 XD_340_FAN_EKOCEL_06

CAB EXTERIOR

- 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.
- **Chassis front execution: no bottom plate. Due to the vehicle's chassis height the front underrun protection beam is visible.**
- **Cab suspension: air (front) / mechanical (rear) with integrated shock absorbers.**
- **Translucent external sun visor above the windscreen, colour: Midnight blue.**
- Rigid first cab entrance step with anti-slip tread.
- **LED head, cornering lights and bumper mounted fog lights.**
- **LED headlights with impact-resistant Lexan lens, including levelling device.**
- 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.
- **Preparation for easy mounting of LED or halogen hazard beacon lights at the left- and/or right-hand side of the cab roof front and in the grille.**
- 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.**
- 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.
- 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.
- **Central door lock system with exterior light check function. Includes 2 remote control units with integrated snake blade key with flip mechanism.**

COLOURS

- Cab colour: E1980WHTE
- 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

- Left-hand drive.
- **Black steering wheel with silver accents and soft grip finish.**
- 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.
- **Soft woven, fabric door covering.**
- Cab wallcovering textile with sound absorbing inner lining.
- **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.**
- **Adjustable arm rests at both sides of the driver seat.**
- The driver seat is fixed to the cab floor.
- **Air suspended co-driver seat Comfort air. High backed seat. Upholstery Habsburg for the seat facing, Corvinus for the borders and Habsburg Uni for the edges.**
- **Adjustable arm rest at both sides of the co-driver seat.**
- The co-driver seat is fixed to the cab floor.
- Seat belts black.
- **High backed, fixed third seat with integral three-point seat belt. Seat facing and borders with velour upholstery. Two foldable arm rests. Ashtrays in the seat console. Storage space underneath the seat cushion.**
- **Extractable dashboard table at the top of the centre console.**
- Open storage compartment in the centre console.
- The cab interior lighting comprises a.o. two large bulb light units in the cab ceiling, offering flood light to light the whole cab, dimmable red night driving light and a driver spot light.
- **Cab climate control automatically controls cab temperature, blower, air distribution and air conditioning**
- 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.
- **Roller blind at the driver side to protect against sunlight.**
- **Roller blind at the co-driver side to protect against sunlight.**
- Electric window openers.
- **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.**

COMMUNICATION AND DRIVING MANAGEMENT

- Wiring and connectors near the Fuse and Relay Board, for easy installing of a universal FMS (Fleet Management System) system, to read information as defined in the truck manufacturers' FMS standard.
- **10 year subscription for PACCAR Connect. PACCAR Connect with navigation, including 5 year subscription for map updates and live traffic information. PACCAR Connect is an online fleet management system giving insight in relevant truck, driver and location information.**
- **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 85 km/h. 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: FM/DAB/DAB+ radio frequencies, 2x cellular for use by mobile phones, GNSS for location purposes. Extra: CB antenna.**
- 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.
- **Wireless charger for Qi certificated devices with a maximum size of 180x100 mm.**

SAFETY AND 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.
- 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.

- **Main switch on the chassis.**
- 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 165N, 70 mm vertical offset. Parabolic leaf suspension with shock absorbers and stabiliser. Max. load 8.0 tonnes.**
- **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.**
- Trailing axle load 8.0 t.
- **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.**
- Axle load limiter 11.5 t.
- **Parabolic front suspension, medium driving height conditions.**
- Lifting device for the steered trailing rear axle.
- 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.

WHEELS AND TYRES

- **Front axle(s): 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.**
- **Trailing axle, tyre size 315/80R22.5, wheel size 22.5 x 9.00.**
- Supplier Goodyear.
- Tyre pressure monitoring.
- Steel disc wheels, silvergrey.
- Wheel protection rings with open centre section, colour silver-grey (RAL 9006).
- **Front axle: tyre size 315/80R22.5, Goodyear type KMAXS2, load index 156/150, speed index L, application Steering - Regional. Tyre label: rolling resistance C - wet grip B - noise 71dB(A), Category A.**
- **Driven rear axle: tyre size 315/80R22.5, Goodyear type OMTD, load index 156/150, speed index K, application Traction - On/Off Road. Tyre label: rolling resistance D - wet grip B - noise 75dB(A), Category B.**

- **Trailing axle: tyre size 315/80R22.5, Goodyear type KMAXS2, load index 156/150, speed index L, application Steering - Regional. Tyre label: rolling resistance C - wet grip B - noise 71dB(A), Category A.**
- Spare wheel tyre not applicable.

DRIVELINE

- **Engine MX-11, multi torque 6 cylinder diesel engine, 10.8 litres. Output 251 kW (341 hp) at 1600 rpm. Max. torque 1650 Nm at 900-1400 rpm.**
- Exhaust emission Euro 6.
- Eco fuel: the shift strategy settings of a vehicle with Eco fuel focus on best fuel consumption. The most 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 whilst still taking fuel efficiency into account.
- Automated gearbox, TraXon, 12 speeds.
- Automated gearbox type TraXon 12TX1810, ratio 12.92-0.77, 12 speeds.
- Manoeuvring mode for maximum control: if selected, the driveline is gradually engaged, proportionally to the operation of the accelerator pedal.
- **Traction aid 15.0 t.**
- **Automated gearbox software optimised for refuse collection.**
- **Rear axle ratio 4.10.**
- **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 surfaces.

BRAKE SYSTEM

- Exhaust brake.
- **Electro-pneumatic controlled park brake with Auto Apply functionality when the driver's door is opened or at ignition OFF. Auto Apply is a safety feature that prevents the vehicle from starting to free roll (runaway) if the driver leaves it without safely parking it.**
- 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

- **Wheelbase 3.80 m / rear overhang 0.74 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.
- **Exhaust discharge to the right-hand side.**
- 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.
- 340 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.
- **Rear light unit with LEDs.**

DRAWBAR AND TRAILER EQUIPMENT

- Type plate related solo application, without trailer.
- Chassis closing cross member with D-value 0.

BODIES AND PREPARATIONS FOR BODYING

- **Hardwired body signals and warnings.**
- **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.**
- **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.**
- **CAN J1939 functions in application connector (chassis: A218; cab: A225).**
- **Application connector for refuse collector in the vehicle chassis. Includes connectors A248, A258, and A068. Electric indication of various body functions. Power supply 24 V before and after contact. Parameters for superstructure functions. Only applicable to vehicles requiring the following specific refuse functions: Footboard usable, Vehicle speed limit 2, High RPM request, Auto Neutral, Complies with EN1501-1.**
- **Application connector (A212), providing extra flexibility for body related functions by allowing default pinning to be altered via DAVIE.**
- **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.**
- Additional light connector in the chassis.
- **Loose supply of a wiring loom with LED-type side marker lights.**
- 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: premanently engaged (non-clutched) without 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

- Alternator 130 A, batteries 2x 210 Ah AGM.
- 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.

GVM AND GCM

- Chassis weight related technical GVM max. 27000 kg.
- Driveline related max GCM 40000 kg class 3.

APPLICATION CONDITIONS

- 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.
- Integrated heated fuel filter on engine.
- Air intake front, below the cab.
- **Shield beneath the radiator to prevent the disturbance of dust by the cooling fan.**
- **Gearbox oil cooler.**

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

- Whole Vehicle Type Approval (WVTA) for European Union.
- Type plate standard.
- CoC document printed in Polish (PL) language.
- Minimum toolkit consisting of a 750 mm control lever, a 30/32 mm wheel nut wrench, an approximately 800 mm long torque pipe, a T20 and T30/T45 torx screw wrench and a towing coupling with pintle pin.
- CO2 calculation is possible in TOPEC RTS.

CUSTOMER NEEDS

DAF THIRD PARTY WORK

- **EKOCEL Zabudowa Medium X4 z wrzutnikiem DELTA 2322**

OFFER

Offer no.: OS701525 / 9726 from 20-02-2025

The presented visualization of the vehicle may be different from the selected configuration and does not constitute an offer in the meaning of civil law. The manufacturer reserves the right to make changes.

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Type of bodywork

Medium X4

Body volume

18,6 m3 - 22,5 m3

Lifter type

DELTA 2322

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OFFER CONTACT DETAILS

Customer contact details

Customer

DAF Truck Polska

Address

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Salesman contact details

Salesman

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BODYWORK TECHNICAL SPECIFICATION

Bodywork type

Bodywork basic

Basic

11191025 | Medium X4 - Standard bodywork

Standard bodywork Medium X4

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Body

Body options

Groundframe

12111001 | Groundframe under the body - Adapted to the shape of the chassis frame

This option includes a groundframe, which consists of two perforated C-profiles. The C-profiles are adapted to the contours of the chassis frame and welded to the bottom of the body. The groundframe is fastened to the chassis frame with mounting elements.

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Sidewalls

12112001 | Body sidewalls - 4mm - Material: S355 steel

Side walls of the body made of S355 steel, with a thickness of 4mm. The side walls are made of a continuous piece of sheet metal.

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Roof

12113001 | Body roof - 3mm - Material: S355 steel

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Roof of the body made of S355 steel, with a thickness of 3mm.

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Bottom

12114002 | Body bottom - 6mm - Material: S355 steel

Bottom of the body made of S355 steel, with a thickness of 6mm. The bottom consists of several firmly welded sheets that form a curved surface.

Special remarks:

The use of a thicker bottom reduces the permissible load weight of the bodywork.

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Drain

12115003 | 2" drain under the body - Finished with a ball valve and a rubber hose

This option includes an opening in the RIGHT front of the body bottom with a welded 2" steel stud, equipped with a ball valve and rubber hose. The option is used to drain liquids from the body. Attention: The position of the drain socket may differ from the standard position depending on the installation space, e.g. due to the chassis configuration or the use of additional options (ladder, fire extinguisher, etc.).

Special remarks:

Recommended in the case of collecting BIO waste and equipping the bodywork with a washing device.

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Counterweight

12518001 | Bodywork without counterweight -

Bodywork without counterweight. As part of the axle load calculation, an option to optimize the body may be required, which results in price changes.

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Tailgate

Tailgate options

Hopper

13111003 | Hopper bottom - 10mm - Material: Wear-resistant steel HB450 (410-490HB)

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Hopper bottom made of wear-resistant steel HB450 (410-490HB), with a thickness of 10mm. The bottom is made of a continuous piece of bended steel.

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Tailgate sidewalls

13112002 | Tailgate sidewalls - 6mm - Material: Wear-resistant steel HB450 (410-490HB)

Side walls of the tailgate made of wear-resistant steel HB450 (410-490HB), with a thickness of 6mm. The side walls are welded to the tailgate construction.

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Tailgate preparation for the lifter

13114111 | Tailgate preparation for the lifter assembly - Lifter of the DELTA series and mounting frame, opened to the RIGHT side

This option includes the preparation of the tailgate for the assembly of a lifter of the DELTA series, including hydraulic and electrical connection, and a mounting frame, opened to the RIGHT side (hinges on the right). The mounting frame is made in accordance with DIN 30731 and serves as an adapter for mounting the DELTA lifter.

Opening the mounting frame

13154101 | Lifting device for opening the mounting frame - Hydraulic jack

Hydraulic lifting device for opening the mounting frame. This option includes a holder, a hydraulic jack with lever arm and mounting material. The design of the holder depends on the bodywork: Bodyworks X2, X4 (new generation) - complete lifting device can be removed other bodyworks (XL, XXL,...) - holder is welded - only the jack is removable The mounting position is under the pivot point of the mounting frame.

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Footboards

13155044 | 2 footboards, EN 1501-1:2021 - Left and right, manually folded and unfolded

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The option consists of two footboards, mounted on the left and the right side of the tailgate, used to transport the operators while collecting waste. The footboards are folded and unfolded manually and have a red platform with anti-slip coating. The footboard is designed to detect 3 positions of the platform: - footboard closed, folded up - unusable position - footboard open, unoccupied - entering the platform possible - footboard open, occupied - a user is standing on platform When a footboard is occupied, the maximum speed of the vehicle is limited to 30km/h.

Special remarks:

Set fulfills the requirements of the norm EN 1501-1:2021. The layout and length of the adapters used may vary depending on the combination with the lifter. The X dimension for Medium X4-N units is: - with the Delta 2322 lifter: 2550 mm - with the Rotary 2418 lifter: 2300 mm

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Drain

13559010 | 2" drain on the tailgate - Finished with a ball valve

This option includes an opening in the RIGHT sidewall of the tailgate, at the lowest point of the hopper, with a welded 2" steel stud, equipped with a ball valve. The option is used to drain liquids from the hopper.

Special remarks:

The position of the drain sockets may differ from the standard positions depending on the installation space, e.g. due to the use of additional options (pressure tank under the hopper, etc.).

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Assembly beam

13159003 | Plastic assembly beam -

The option includes a assembly beam, made of plastic, mounted on the top of the tailgate. The beam is used to mount the license plate, the upper road lightening, the warning lightening (the corner beacons are fully integrated), the fastening elements for the rear camera and the working lights. The components listed above and their fastening elements are not included in the scope of delivery of the assembly beam.

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Control panel holders

13559004 | Control panel and lightning holders - Made of plastic, mounted on the tailgate

The plastic panels are mounted on both sides of the tailgate, which include a vertical transparent wind deflector. The panels are used to mount the control panels illuminated by LEDs, the lower road lighting and at the same time they provide cover for the underlying control components. The items listed above are not included in the scope of delivery of the control panel and lightning holders.

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Mud flap

13559001 | Rubber mud flap - Mounted over the entire width of the hopper

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Rubber mud flap mounted under the tailgate over the entire width of the hopper. The mud flap is designed to prevent small stones and sand from being thrown from under the wheels, protecting the operators riding on platforms and the cars behind the garbage truck from damage.

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Additional tailgate options

13558001 | Holder for broom and shovel - Mounted on the tailgate, right side

Metal bracket for attaching a broom and a shovel. Mounted on the side wall of the tailgate - right side. This option includes only the brackets. Broom and shovel are available as a separate option. If there is no space for mounting on the right side, the holder is mounted on the left side.

Special remarks:

Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department.

Broom and shovel

12559901 | Broom -

Broom with a round wooden shaft and a bristle brush for sweeping rough surfaces with rough dirt. This option includes only the broom. The bracket is available as a separate option.

12559902 | Shovel -

Shovel with a round wooden shaft, an Y-shaped handle and a blade made of hardened steel. This option includes only the shovel. The bracket is available as a separate option.

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Central lubrication

Bodywork

15557001 | Central lubrication system BEKA-MAX, 2.5kg - Lubrication of the Bodyworks MEDIUM X2/X4

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System for automatic lubrication of essential moving parts of the tailgate and the compaction mechanism. The lubricant is supplied by a pump with a capacity of 2,5kg. The lubrication interval is set manually, then the dosing is done automatically. The central lubrication unit is mounted on the front wall of the body, on the left side, under the hydraulic oil tank. For easier access when filling the grease reservoir, a flexible filling line with grease fitting can be ordered as an option.

Special remarks:

The system is equipped with 14 lubrication points, of which 12 are automatically lubricated. Chassis and lifter lubrication are available as a separate option.

Lifter connection to the central lubrication syst.

15557002 | Central lubrication system BEKA-MAX - Quick connector to lifter

Special quick coupling for quick and easy connection of a lifter to an existing central lubrication system BEKA-MAX.

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Hydraulics & electrics

Hydraulics

Basic hydraulics

15151032 | Hydraulic installation -

The option enables of the hydraulic system to work. Includes the entire standard hydraulic installation of the bodywork such as telescopic cylinder, hydraulic lines, hydraulic oil tank, control blocks, etc. The tailgate hydraulic cylinders, hydraulic oil and chassis-specific components such as a hydraulic pump with the mounting kit are not included. These components are available as a separate option.

Special remarks:

Bodyworks of the X series

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Tailgate hydraulic cylinders

15151901 | Basic hydraulic cylinders - Mounted on the tailgate

This option includes two blade cylinders, carriage cylinders and tailgate raise/lower cylinders with surface-hardened piston rods. In the basic version, the blade cylinders and the carriage cylinders are mounted with the piston rods directed downwards. Optionally, a premium version is available, in which the blade cylinders and the carriage cylinders are mounted with the piston rods facing upwards.

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Hydraulic oil

15152011 | Hydraulic oil - HL-HM/HLP 32 (<205L)

Hydraulic installation filled with oil of the type HL-HM/HLP 32.

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Electrics

Basic electrics

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16151005 | Electrical installation - ZCS with color graphic terminal

Electric installation ZCS (Zoeller Control System) with color graphic terminal. The ZCS bodywork control is designed as a decentralized system of I/O modules with a command module in the cabin, it communicates with the chassis and the terminal via CAN bus. The CleANopen communication standard is also implemented. The option includes: - 7" color graphic terminal with illuminated buttons, rotary encoder with push button (Jog-dial), video input and a USB host - mounted in the drivers cabin - Command module with ON/OFF button, emergency stop switch, "R", "A1" and "A2" buttons for activating and deactivating the reversing restriction - mounted in the drivers cabin - additional control modules mounted on the front wall of the body, on the top, and on the left and right sides of the tailgate - various assembly elements, distribution boxes and bundles The bodywork functions and the rear camera view are displayed on the terminal.

Special remarks:

Bodyworks of the X series

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Ejection plate position

16158002 | Laser sensor for the position of the ejection plate - ZCS system

This option includes an laser sensor, mounted on the front of the body. The sensor detects the path of the ejection plate and shows its current position on the display in the driver's cabin. In addition, both the volume already loaded and the volume still available, the percentage filling of the body and the distance of the ejection plate from the front end position are displayed. In addition, the laser sensor serves as an odometer for the active ejection plate control, where the ejection plate moves a predefined distance to achieve optimal compaction payload. Once the ejection plate has reached the front end position, the compaction mechanism can perform a certain number of cycles in automatic mode, after which the automatic mode is deactivated.

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Operation panels

16152011 | Control panels - Basic version - right-hand traffic, ZCS system

Set of control panels for operating the bodywork, mounted on both sides of the tailgate, intended for right-hand traffic. On the right side there is a "large" panel with the following buttons: - Rescue button according to EN1501-1 - Car buzzer for communication between operators and driver - Function carriage - Carriage up / blade closed - Carriage down / blade open - Start compaction mechanism - Stop compaction mechanism - Emergency stop switch with locking system On the left side there is a "small" panel with the following buttons: - Rescue button according to EN1501-1 - Car buzzer for communication

between operators and driver - Start compaction mechanism - Stop compaction mechanism - ON/OFF work lights - Emergency stop switch with locking system

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Additional electric options

16553001 | 3rd party interface - Output signals from the bodywork

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Socket for signals from the bodywork for use in external applications.

16559012 | Glass collection option - Mounted on the tailgate, ZCS system

Additional sensor mounted in the tailgate. If the compacting mechanism is stopped, e.g. by continuing driving, the press stops at the height of the bottom of the body. This prevents broken glass from falling back into the hopper.

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Preparation for additional lifter functions

16559411 | Preparation for additional road lamps on the lifter - Mounted on the tailgate - Lifter of the DELTA series

The kit includes harnesses for connecting road lamps, mounted on a Delta series lifter. The set does not include lamps.

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Lighting & monitoring

Lighting

Body road lights

17153011 | LED side marker lights - WAŚ - Mounted under the body

Set of WAŚ side marker lights (4 or 6 depending on the body length) placed along the bottom edge of the body. The lamps are made in LED technology.

Special remarks:

Arrangement of lighting in accordance with UNECE Regulation No. 48.

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Tailgate road lights

17153111 | Set of LED road lights - WAŚ - Mounted on the tailgate - Lifter of the DELTA/EPSILON series

Set of road lights, mounted on the tailgate with preparation for a DELTA / EPSILON series lifter, includes: - upper road lightening (WAŚ) - lower road lightening (WAŚ) - registration plate lightening (WAŚ) - outline marker lamps (glowing forwards and backwards) with integrated side marker lamp (WAŚ) The lamps are made in LED technology.

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Body warning lights

17154037 | Set of LED warning lights - ECCO - 2 flashing warning lights, left and right corner of the body
- White (clear)

The set of warning lights includes 2 white (clear) ECCO warning flashing lights. The lamps are placed on the front left and right corner of the body in such a way that the warning signal is visible in the area in front of and on the sides of the vehicle. The lamps are made in LED technology.

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Tailgate warning lights

17154137 | Set of LED warning lights - ECCO - 2 warning flashing lights, left and right side of the tailgate
- White (clear)

The set of warning lights includes 2 white (clear) ECCO warning flashing lights. The lamps are placed on the left and the right side of the tailgate in such a way that the warning signal is visible in the area behind of and on the sides of the vehicle. The lamps are made in LED technology.

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Bodywork side area working lights

17555222 | LED periphery lights - WAŚ - 6 working lights, on the top of the bodywork - directed to the left and the right side

This option includes 6 WAŚ working lights (~1300 lm/light), which are mounted symmetrically at the top along the bodywork (two on the left and right side of the body and one on the left and right side of the tailgate), as well as the associated cable sets and mounting elements. The lamps are made in LED technology.

Special remarks:

Set fulfills the requirements of the norm EN 1501-1:2021. The set consisting of 6 lamps is designed for long bodies (SKL from 4000). In case of shorter bodies (SKL up to 3900), choose a set consisting of 4 lamps.

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Bodywork rear area working lights

17555111 | Set of LED working lights - WAŚ - 2 working lights, upper area of the tailgate - directed to the rear

The set of working lights includes 2 WAŚ lights. The lights are mounted in the upper area of the tailgate in such a way that the work area behind the vehicle is illuminated. The lamps are made in LED technology.

Special remarks:

Set fulfills the requirements of the norm EN 1501-1:2021.

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Tailgate inner working lights

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17555158 | Set of LED working lights - WAŚ - 1 working light, in the tailgate - centrally mounted

The set of working lights includes 1 WAŚ light. The light is mounted centrally in the tailgate in such a way that the work area of the press is illuminated. The lamp is made in LED technology.

Special remarks:

Set fulfills the requirements of the norm EN 1501-1:2021.

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Monitoring

Basic monitoring

16157042 | MOTEC camera system - 3 cameras with 112° viewing angle

The system consists of 3 cameras with a 112° viewing angle, mounted on the top and the corners of the tailgate. The image from all cameras is displayed simultaneously on a integrated color display of the terminal, mounted in the driver`s cab. The system is activated automatically when the ignition is turned on.

Special remarks:

Set fulfills the requirements of the norm EN 1501-1:2021.

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Painting & chassis

Painting

Body painting

18191203 | Painting of a medium body - Single-color

Single-color painting of a medium body. Total dry film thickness of the paint layer is 120-140µm. Coating structure according to drawing: 0 - Component to be painted 1 - Primer - Dry film thickness: 80µm 2 - Top coat - Dry film thickness: 40-60µm The range of option includes painting in the indicated color (non-metallic) of the outer part of the steel structure of the body. The hydraulic tank is painted black (RAL 9005) as standard.

Color of the body

biały jak kabina

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Tailgate painting

18191301 | Painting of the tailgate - Single-color

Single-color painting of the tailgate. Total dry film thickness of the paint layer is 120-140µm. Coating structure according to drawing: 0 - Component to be painted 1 - Primer - Dry film thickness: 80µm 2 - Top coat - Dry film thickness: 40-60µm The range of option includes painting in the indicated color (non-metallic) of the outer part of the steel structure of the tailgate. Side covers (MINI, MEDIUM and MAGNUM series) are painted in the indicated color of the tailgate. Tailgate cylinder covers on the roof (X2 and X4 series) are painted in black (RAL 9005) as standard. The cylinders of the compaction mechanism and tailgate lifting mechanism are painted in black

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(RAL 9005) as standard. The compaction mechanism is painted in black (RAL 9005) as standard.

Color of the tailgate

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Contour marking on the bodywork

18157001 | Contour and warning marking - White on the sides, red on the back

This option includes contour and warning marking in accordance with ECE-R48, ECE-R104 and EN1501-1, whereby white reflective markings are applied on the sides of the bodywork and the cabin, and red on the back of the tailgate. The design of the marking depends on the bodywork, the lifter and the chassis.

Special remarks:

The example shown is for illustrative purposes only. The marking set is selected taking into account the local road traffic regulations applicable in the end customer's country.

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Trade marking

18158004 | Labeling of the bodywork - EKOCEL and the bodywork type

The option includes a 3D EKOCEL company name with ZOELLER logo and a 3D bodywork type, mounted on the top left and the right side of the body.

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Chassis

Chassis purchaser

19199001 | Chassis ordered and supplied by the customer -

Chassis ordered and supplied by the customer.

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Chassis preparation

19158021 | Chassis preparation - Double vane pump with constant displacement - Direct mounting

Chassis preparation for bodywork assembly. This option includes a pump mounting kit, a double vane pump with constant displacement, two bypass valves in the hydraulic installation and parameterization of the chassis height if required. The pump is mounted directly to the power take-off on the engine or gearbox side (the power is disconnected via bypass valves).

Special remarks:

Note: The use of this option must be confirmed by the technical department. Low noise level.

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Mudguards

19152003 | Set of plastic mudguards with spray suppression mats and mud flaps - 3-axle chassis

This option includes a set of mudguards which is mounted on a 3-axle chassis and consists of the following components: - Four plastic mudguards with spray suppression mats and mud flaps - Fastening elements

Special remarks:

The mudguards fulfill the approval requirements.

Side underrun protection

19551002 | Foldable side underrun protection - Aluminum PROFILES adapted to the chassis

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Side underrun protection consisting of aluminum profiles, which are arranged along the chassis between the first and second axles and installed in accordance with the road traffic regulations. The profiles are attached on hinged metal supports, which means that they can be folded up for maintenance purposes.

Toolbox

19553003 | Toolbox made of plastic - Large - 600x450x470, with mounting kit

Dust and water resistant tool box made of plastic with dimensions of 600x450x470, which is mounted under the body and can be used to store additional equipment. The tool box is locked with a key.

Special remarks:

Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department.

19553101 | Glove tray - Mounted under the body

Tray made of stainless steel, which is mounted under the body and can be used to store, for example, operator gloves. The tray has a perforated bottom so, when it is placed above the horizontal exhaust, the resulting heat can be used to dry the gloves.

Special remarks:

Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department. Drying by heat from the exhaust system is only possible on chassis with horizontal exhaust system.

Hand washing device

19554002 | Hand washing device - Capacity 30L - with soap dispenser

Plastic water tank with a capacity of 30 liters mounted under the body. The tank is designed for cold water only and is equipped with a tap. Additionally on the top, is a small soap dispenser. The option includes a tank and the fastening.

Special remarks:

Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department.

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Fire extinguisher

19555001 | ABC Fire extinguisher - 6kg - EN3 Certificated

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The option includes a 6 kg fire extinguisher in accordance with the EN3 standard, designed to extinguish fires of the groups A, B, C (solids, liquids and gases).

Special remarks:

Only a fire extinguisher is included. The fire extinguisher box is available as a separate option.

19555003 | Fire extinguisher box - Horizontal mounting

This option includes a lockable plastic fire extinguisher box with fastening elements, which is mounted horizontally under the body.

Special remarks:

Only a fire extinguisher box is included. The fire extinguisher is available as a separate option. Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department.

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Additional equipment

19556001 | Wheel chock holder - Mounted under the body

Wheel chock holder mounted under the body. Wheel chocks are not included.

Special remarks:

Whether this option can be used depends on the amount of free space and other selected options. This option must be confirmed by the technical department.

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Lifter

Lifter basic

Lifter basic

WR322005 | Zoeller DELTA 2322.445 - W&I, without handling 110 liter containers, BEKA

Possibility to empty the following types of containers: - MGB 80/120/140/240/340 liters according to EN 840-1 - MGB 500/600/770/100/1100/1200 liters with a flat lid according to EN 840-2 - MGB 770/1100/1300 liters with a sliding lid according to EN 840-3 Emptying time: - MGB 80/120/140/240/340 liters approx. 7 sec. - MGB 500-1200 liters and 770-1300 liters approx. 12 sec. Technical data: - Flow in the hydraulic system: 40-46 l / min - Working pressure: 180 bar - Lifting capacity for MGB up to 340 liters: up to 2x1500 N - Lifting capacity for MGB above 340 liters: up to 7000 N - Sound pressure level: 66-70 dB (A) - Own weight: approx. 690 kg Description: - split lifter comb, for MGB 80/120/140/240/340 liters containers, the ability to work independently from each side

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- automatic emptying of the MGB 80/120/140/240/340 liters containers located in the working area of the lifter, and the MGB 500/600/770/100/1100/1200 liters (only when the side barriers are folded) - automatic picking up of MGB containers with a capacity of 80 to 1200 liters (Pick-Up function) located in the working area of the lifter, emptied on the comb strip - linear, vertically directed movement of the lifting mechanism during the picking up and setting down phase of the container - large clearance between the ground and the lower position of the lifting mechanism of the lifter - the ability to manually stop the container movement at any time in the cycle - blocking the container on the lifter comb - electrical connection via two 16-pole plug connections - hydraulic connection by means of two quick couplers - preparation of the lifter for the installation of RFID and weighing containers identification systems - proportional lifter hydraulic control - central lubrication system for lifter BEKA - 20 points

Color of the lifter

biały jak kabina

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Comfort

Lubrication of the lifter

14554701 | Lifter without additional lubrication system -

Lifter without additional lubrication system

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Functionalities

Lifter functionality

Functionality while driving

51599403 | Setting the lifter to the transport position - After engaging the reverse gear, ZCS system

Setting the lifter to the transport position after engaging the reverse gear. Mandatory option for lifters with the option "Weiterfahrhöhe" (transport position) (review of the lifter specification required).

Special remarks:

Attention: This option requires a lifter that can be set to the transport position.

51599404 | Setting the lifter to the transport position - After engaging the forward gear, ZCS system

Setting the lifter to the transport position after engaging the forward gear.

Special remarks:

Attention: This option requires a lifter that can be set to the transport position.

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Aftersales services

Guarantee and warranty

Bodywork

71199211 | Bodywork guarantee - 24 months

Bodywork guarantee: 24 months in single-shift operation.

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Lifter

74199101 | Lifter guarantee - 24 months

Lifter guarantee: 24 months in single-shift operation.

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Service contracts

Service contracts

31591000 | No service contract for the bodywork -

No service contract for the bodywork.

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Services

Certification

Approval

71199001 | Certificate of Conformity (CoC) - Document issued for the complete vehicle

COC (Certificate Of Conformity) is a document confirming the compliance of vehicles with European Community guidelines and regulations. The document covers the identification of the vehicle and its manufacturer, EU type number, technical specification and other data. The content of the certificate of compliance was determined by an EU directive.

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Instructions

User manuals and spare parts catalogs

71191001 | Operating instructions and spare parts list - on paper, 1 set

Operating instructions and spare parts list on paper, 1 set.

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Transport

Bodywork transport

51199001 | Handing over the refuse collection vehicle - Pick up from the factory

Handing over the refuse collection vehicle - Pick up from the factory.

Special remarks:

The lifters 179, 379, 456 are mounted at MAINZ.

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SERVICE TERMS

Service:

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as part of the submitted offer, the Supplier guarantees the response of the authorized factory service within 24 hours (working days) from the moment of reporting the failure, in the scope of determining the mode of operation of the service. The supplier will undertake the repair within a maximum of 48 hours (working days) from the moment of reporting the failure. In the event of a failure of the superstructure resulting from the Supplier's warranty liability, which would result in the need to stop the vehicle for more than the next 72 hours (working days) from the start of the repair, a replacement vehicle will be made available free of charge (during the warranty period) with the parameters of the superstructure similar to the vehicle in repair.

Spare parts:

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delivery of spare parts from the factory warehouse in Rekowo Górny, based on separate orders.

BUSINESS TERMS

Implementation conditions:

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any necessary changes to the chassis will be the subject of a separate offer

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technical requirements for the chassis in accordance with the attachment to the offer

Payment conditions:

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offer in EUR, invoice in local currency. Fix exchange rate upon the basic exchange rate published by NBP on the on the day of issuing the sales invoice VAT in the amount of 23% will be added to the above price.

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payment 30 days from the invoice date

Delivery terms:

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to DAF Dealer on Polish territory

Delivery time:

-

according to agreemnet

Validity of the offer:

-

till 30th of June 2025

We reserve the right to make necessary changes to the subject of the contract in the event of changes in the law and legal requirements regarding the offered product. If there are any additional costs associated with this, additional fees will be charged.

DAF Trucks Polska Sp. z o.o.

In addition, we reserve the right to make technical changes/improvements that do not have any effect on the deterioration of product function and quality.

The offer was prepared on the basis of the General Terms and Conditions of Delivery and Guarantee of EKOCEL Sp. z o. o. (version: as of June 24, 2024)

Yours sincerely,

Krzysztof Sosnowy