



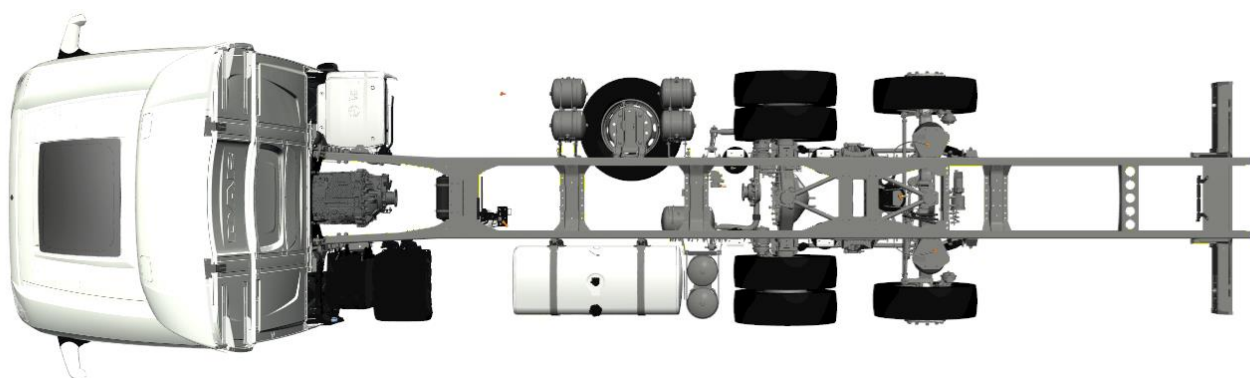
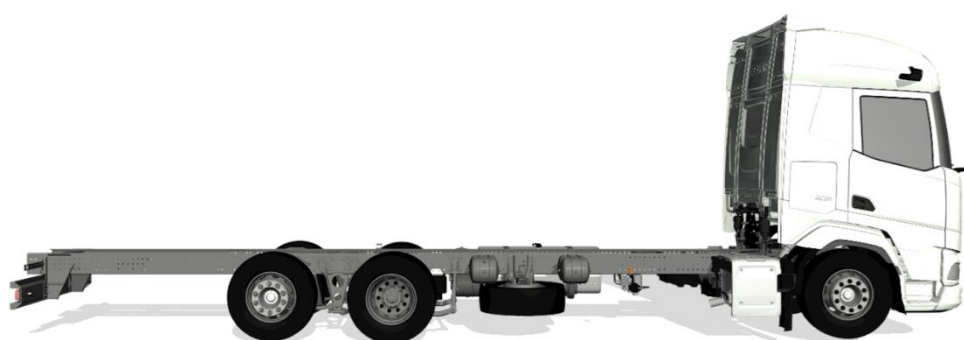
DAF Trucks Polska Sp. z o.o.



2025-04-16 | D0771868

**XF 450 FAN 6X2 Podwozie pod zabudowę PMC25 XF450FAN SHC 20P
CHŁODNIA_15 + tylna belka**

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Vehicle Summary XF 450 FAN 6X2 Podwozie pod zabudowę PMC25 XF450FAN SHC 20P CHŁODNIA_15 + tylna belka

Market packages	No market package
Application packages 1	No application option
Cab version	Sleeper High 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, 163N
Rear axle group	Rear: 20.00 t, air suspension, SR1344
Supplier tyres	Goodyear
Tyres fr1 or fr axles	F1,315/70R22.5GO EQMSU 158/150 L Steering ABA 3P
Tyres driven rear axle(s)	R1,315/70R22.5GO EQMDU 154/150 L Traction ABB 3P
Tyres driven re2 or trailing axle	R2,315/70R22.5GO EQMSU 158/150 L Steering ABA 3P
Spare tyre	SP,315/70R22.5GO EQMD 154/150 L Traction BBB 3P
Engine	Engine MX-11, 330 kW/449 hp. Cab Badge: 450
Exhaust emission	Exhaust emission Euro 6
Gearbox execution	Automated gearbox, TraXon, 12 speeds
Rear axle ratio	Rear axle ratio 2.38
Retarder system	MX Engine Brake
Wheelbase / rear overhang	Wheelbase 5.30 m / rear overhang 3.15 m
Chassis component layout	Standard component location
Exhaust discharge position	Exhaust pipe horizontal, low
Fuel tank(s)	620 l alu fuel tank LH, height 620 mm
Type plate related drawbar or solo application	Type plate related drawbar appl. up to max GCM
Body type	No ex works body type
Chassis weight related gross vehicle mass GVM	Chassis weight related technical GVM max 27000 kg
Drawbar/coupling related max GCM	Drawbar/coupling related max GCM 53000 kg
Vehicle warranty	Warranty Plus-Driveline-3 years-300K

Detailed Specification XF 450 FAN 6X2 Podwozie pod zabudowę PMC25 XF450FAN SHC 20P CHŁODNIA_15 + tylna belka

CAB EXTERIOR

- **Luxurious Sleeper High Cab with raised cab roof and 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 entrance steps: 3.**
- To guide the air flow under the vehicle, a bottom plate is fitted, improving the vehicle's fuel efficiency. This bottom plate also takes into account any ground clearance required.
- **Cab suspension air with integrated shock absorbers.**
- Rigid first cab entrance step with anti-slip tread.
- **LED head 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.
- **LED Skylights: two stylish light units, each with a large lens, that are fully flush in the front part of the cab roof. Each unit contains a spot light and a top marker light. The LED top marker lights are ON when the engine is running.**
- Black door handle and door handle surround. The sleek cab side wall is executed in cab colour.
- **Front windscreen of a laminated, double layer safety glass with solar control foil. A transparent foil is applied between the layers to help keeping radiation and resulting heat of the sun outside the cab, thus providing more comfort for the driver.**
- **Double layer safety glass. A transparent solar control foil is applied between the layers to help keeping radiation and resulting heat of the sun outside the cab, thus providing more comfort to the driver.**
- DAF Digital Vision System is a camera system replacing the main and wide-angle mirror. The system consists of a foldable camera above each cab door and two displays, mounted on the A-pillar inside the cab, one at each side. The camera covers a wider field of view and improves the vehicle's aerodynamics.
- **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.

AERODYNAMICS

- **Adjustable roof air deflector, positioned behind the middle of the cab roof of the Sleeper High Cab, for optimum aerodynamic streamline between cab and superstructure or semi-trailer. Roof air deflector height measured from underside chassis frame member to highest point roof air deflector: between 3.12 and 3.27 meters.**

COLOURS

- Cab colour: E1980WHITE
- **Colour of lower cab step: Crystal White.**
- Colour roof air deflector: Crystal white.
- Chassis colour grey.
- Colour of housing camera monitoring system: Crystal White.
- Colour of head lamp panel: Crystal White.
- Colour of bumper: Crystal White.

CAB INTERIOR

- Left-hand drive.
- **Steering wheel with leather 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.
- **Foldable cinema co-driver seat with table feature. The head rest can be tilted and used as table tray. Cover material seat: fabric.**
- The co-driver seat is fixed to the cab floor.
- Seat belts black.
- Extractable dashboard table at the top of the centre console.
- Open storage compartment in the centre console.
- **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.**
- **'Xtra Comfort' pocket sprung mattress, thickness 150 mm, for the lower bunk.**

- **Sleeping compartment with upper bunk, with step.**
- **Protection net on the upper bunk or luggage carrier.**
- 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.
- **Cab climate control automatically controls cab temperature, blower, air distribution and air conditioning**
- Water-to-air 3.8 kW auxiliary cab heater with residual heat pump. Control panel with 7-day timer.
- 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.
- **Roof hatch with electric control.**
- Electric window openers.
- **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.**

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.**
- **Preparation for satellite communication equipment for the German Maut tax system, consisting of wiring to the installation positions of the on-board unit (OBU) and the digital short-range communication unit (DSRC).**
- **Digital (smart) tachograph VDO DTCO with Global Navigation Satellite System (GNSS) receiver and Dedicated short-range communications (DSRC) unit, compliant to EU Mobility package 1 as described in the EU tachograph regulations.**
- **Speed limiter setting for cruise control/accelerator pedal: 90 km/h.**
- **DAF Infotainment System: Luxury Plus includes an additional 10.1 inch touch display and control buttons in the dashboard wing. FM/DAB/DAB+ radio is integrated in the system as well as streaming functionalities via USB and Bluetooth including phone capabilities. Additionally offers DAF Truck Navigation capabilities through WebLink app and USB connection. Supports Apple CarPlay / Android Auto projection on secondary display via USB connection. Note that only one USB application can be displayed.**
The Luxury speaker system consists of five speakers: two bass speakers in the door panels (one in each door), two tweeters on the A-pillar and a full-range frequency speaker at the centre of the dashboard.
- **Standard antennas: 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.
- Based on GPS technology Predictive Cruise Control anticipates on approaching changes in the gradient. Predictive Cruise Control may overrule the set cruise control speed, change the shift strategy of the automated gearbox or induce EcoRoll actions, in order to save fuel.
- 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

- 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 163N, 100 mm vertical offset. Parabolic suspension with shock absorbers and stabilizer. 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 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 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, regular 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 315/70R22.5, wheel size 22.5 x 9.00.
- Driven rear axle(s): tyre size 315/70R22.5, wheel size 22.5 x 9.00.
- Trailing axle: tyre size 315/70R22.5, wheel size 22.5 x 9.00.
- **Spare: tyre size 315/70R22.5, 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 315/70R22.5, Goodyear type EQMSU, load index 158/150, speed index L, application Steering - Long distance. Tyre label: rolling resistance A - wet grip B - noise 71dB(A), Category A - 3PMSF - M+S - RFID.
- Driven rear axle: tyre size 315/70R22.5, Goodyear type EQMDU, load index 154/150, speed index L, application Traction - Long distance. Tyre label: rolling resistance A - wet grip B - noise 74dB(A), Category B - 3PMSF - M+S - RFID.
- Trailing axle: tyre size 315/70R22.5, Goodyear type EQMSU, load index 158/150, speed index L, application Steering - Long distance. Tyre label: rolling resistance A - wet grip B - noise 71dB(A), Category A - 3PMSF - M+S - RFID.
- **Spare wheel: tyre size 315/70R22.5, Goodyear type EQMD, load index 154/150, speed index L, application Traction - Long distance. Tyre label: rolling resistance B - wet grip B - noise 75dB(A), Category B - 3PMSF - M+S - RFID.**

DRIVELINE

- **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.**
- 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.
- Engine idle shutdown, after idling 5 minutes.
- Automated gearbox, TraXon, 12 speeds.
- **Automated direct drive gearbox TraXon 12TX2210, ratio 16.69-1.00, 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 standard transport applications. Gearbox control version: Full.
- **Rear axle ratio 2.38.**
- **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

- **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.**
- **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.**
- Fuel efficient, twin cylinder air compressor with clutch, to eliminate energy loss when air supply is not required.
- 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 5.30 m / rear overhang 3.15 m.**
- **Side member height 260 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 towards the centre of the vehicle.
- **EAS unit at the right-hand side of the chassis, horizontal battery box and 75 litres tank for AdBlue® at the left-hand side.**
- Air tanks steel.
- **620 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.
- **Rear underrun protection.**
- Spray suppression in the mudguards, according to directive 91/226/EEC.
- **Spare wheel carrier right-hand side.**
- Temporary rear light brackets.
- **Preparation for worklamp at the rear.**
- **Rear light unit with LEDs.**

DRAWBAR AND TRAILER EQUIPMENT

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

- Drawbar cross member D-value 137 kN, Dc-value 92 kN, V-value 40 kN.
- Pneumatic trailer connection with palm type couplings.
- **Electric trailer connection 24V with 15-pin socket. An additional 7-pin socket is mounted to connect the EBS system of the (semi-)trailer.**

BODIES AND PREPARATIONS FOR BODYING

- Application connector chassis (A218). Spare wiring to the dashboard and roof console.
- 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.
- **Application connector for tail lift control on the chassis (A088). Electric signals for -Cab tilt locked- and -Engine running-. Power supply 24 V after contact. Spare wiring to the dashboard. Includes dashboard indications for -Tail lift control active- and -Tail lift down- and a signal for engine starter inhibit when the tail lift is not closed.**

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.
- Drawbar/coupling related max GCM 53.000 kg.
- **Driveline related max GCM 44000 kg class 2.**

APPLICATION CONDITIONS

- Application class 0 comprises Western-Europe excluding United Kingdom and Ireland.
- Standard noise level.
- **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.**
- Maximum ambient temperature 38 degrees.
- Integrated heated fuel filter on engine.
- Air intake front, below the cab.

SERVICE AND MAINTENANCE

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

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- 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.
- **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.**
- CO2 calculation is possible in TOPEC RTS.

CUSTOMER NEEDS

DAF THIRD PARTY WORK

- **zew. wymiary zabudowy (dł. x szer. x wys.) : 8 400 x 2 600 x 2 830 mm * wew. wymiary zabudowy (dł. x szer. x wys.) : 8 200 x 2 450 x 2 600 mm * pojemność komory ładunkowej : 20 EUROpalet, ok. 53 m3 masa zabudowy (bez wyposażenia dodatkowego) : 3 000 kg (±**
- **Carrier SUPRA HE 11 with its own diesel engine + 400 v electric supply**

OFFER

Number : **MG/0057 - B/25**

Date of offer : **21-02-2025**

Expiry date : **14 dni**

Page : **13 z 2**



To :

For :

E-mail :

End user :

Re : **Insulated body IR class (FRC)**

on chassis: DAF XF 450 FAN 6x2 (wb: 5300 mm, cab: Sleeper High Cab)

1. TECHNICAL DESCRIPTION / EQUIPMENT SPECIFICATION:

- Self – supporting construction made of laminar panels "sandwich" type, glued together, insulated with foam (without cross-link heating) with:
 - **external and internal polyester – glass coat sheeting**
- front wall **with niche (whole covering on side walls)** reinforced for ref. unit mounting
- insulated floor **covered with aluminum riffled plate, welded with corner al. profiles**
- **double back door**, 270 degrees opening, multi-tighten, block in open position, **closed by rotating vertical external hinge** with handle "tape" type on right and left side, equipped with stainless-steel and tail lift doorsill
- rear frame welded by cold bended stainless-steel profiles, door opening dimensions compatible with internal dimensions of the body (-10 mm), handle for easier entrance to the body
- **corner al. profiles glued to the body (floor angle H – 300 mm)**
- **external slat to fasten the load – 1 row placed around 1000 mm from the floor**
- **Pull-up-bar 1 pc.**
- corner al. Profiles, uniform on the whole length, glued to the body (outside)
- internal lighting – LED lamps set in ceiling – **with timer switch inside the body**
- cold bended stainless-steel, **hot dip galvanized** intermediate frame, **reinforced at the rear part by Roll-Stop roller bumpers**
- body in RAL-9016 „white" color (painting on different color – agreed with additional payment)
- external additional equipment – compatible with technical terms regarding road transport regulations
- PZH sanitary certificate (for material used in building process)
- R reinforced insulation class – an overall heat-transfer coefficient $K < 0,4 \text{ W/m}^2 \text{ K}$ – **confirmed by ATP certificate**
- reflexive tape (minimum)
- **plastic toolbox**
- **outline lights**
- **1 pc. working lamp**

Specification does not include rear end protection bar

It is required to deliver original rear end protection bar for the body

2. DIMENSIONS / WEIGHT:

external dimensions (length x width x height) : 8 400 x 2 600 x 2 830 mm *

internal dimensions (length x width x height) : 8 200 x 2 450 x 2 600 mm *

capacity of cargo space : 20 EUROpalets, around 53 m³

body's weight (without additional equipment) : 3 000 kg (±4%)

* Tolerance for all dimensions ±10mm

DAF Trucks Polska Sp. z o.o.

Dear Sir/Madam

In response to your recent inquiry, I am pleased to present the following offer on behalf of Carrier Transicold Poland

sp.zo.o with delivery by the end of 2025.

Client: DAF TRUCKS POLSKA sp z.o.o Quantity: 2 szt

CC: Mr. Artur Sosnowski Account Manager: Przemysław Borzymowski

Position: RIGID SALES MANAGER Offer number: 20/02/2025/PBI/02

e-mail Artur.sosnowski@daftrucks.pl e-mail Przemysław.borzymowski@carrier.com

phone 0048 664 482 649 phone 0048 693 603 403

Model: SUPRA HE 11 with its own diesel engine + 400 v electric supply

System PRICE [eur] net./unit

SUPRA HE 11 diesel + 400 V

Additional options: Part code PRICE

Temperature recorder Datacold 600 R 79-60831-20 Included in the price of the device

Installation of the unit at an authorized Carrier service center in

Poland or indicating a company performing body installation in

Poland

Warranty and service: The above devices are covered by a 24-month manufacturer's warranty in accordance with the

General Terms and Conditions of Sale and Service Provision of Carrier Transicold Poland (CTP)and the General

Warranty Terms (CTP). Others terms of the offer are in accordance with General Terms and Conditions of Sale and

Service Provision of Carrier Transicold Poland sp z.o.o and the General Warranty Terms (CTP)