

DAF VEH. INDUSTRIALES S.A.U.



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XDC 410 FAT 6X4 Rígido Mixer

Detailed Specification XDC 410 FAT 6X4 Rígido Mixer

APPLICATION PACKAGES

- **Option for universal hardwired controlled functionality between chassis and Concrete mixer body with predetermined specification of options, parameter settings and electrical interface. The option can be used for most mixer bodies. For detailed information please consult DAF BBI+.**

CAB EXTERIOR

- **Translucent external sun visor above the windscreen, colour: Midnight blue.**
- **Flexible first cab entrance step with anti-slip tread.**
- 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, the lowest cab step being flexible with anti-slip tread.
- Chassis front execution: robust provides for a three-piece steel protruding bumper with integrated fog lights, a radiator protection plate, a steel front underrun protection and black grille strips.
- Maintenance free 4-point mechanical cab suspension with integrated shock absorbers.
- LED head and bumper mounted fog lights.
- Bi-reflector LED head lights with impact-resistant Lexan lens.
- 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.
- 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 1 remote control unit with integrated snake blade key with flip mechanism.

COLOURS

- Cab colour: E1980WHTE
- Colour of lower cab step: Stone Grey.
- Colour of mirror covers: black.

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- Chassis colour grey.
- Colour of head lamp panel: Crystal White.
- Colour of bumper: grey.

CAB INTERIOR

- Air suspended driver seat: Comfort air. High backed seat. Upholstery Habsburg for the seat facing, Corvinus for the borders and Habsburg Uni for the edges.
- Automatic Temperature Control (ATC) and air conditioning. ATC automatically maintains the cab temperature that has been selected by the driver.
- Accessory power supply on the dashboard: 2x 12V/5A and one USB-A connection in the small storage compartment in the centre console.
- **Cab wallcovering PVC vinyl.**
- **Arm rest on the driver seat.**
- Left-hand drive.
- Black steering wheel with 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.
- Polypropylene door covering.
- The driver seat is fixed to the cab floor.
- Foldable cinema co-driver seat. Cover material: fabric.
- The co-driver seat is fixed to the cab floor.
- Seat belts black.
- 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.
- Pollen filter with activated carbon to eliminate traffic and engine blow-by gasses and odours. Effectiveness 85% for particles up to 0.5 micron and 98% for particles up to 10 micron.
- Electric window openers.

COMMUNICATION AND DRIVING MANAGEMENT

- **Speed limiter setting for cruise control/accelerator pedal: 90 km/h.**
- 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 is an online fleet management system giving insight in relevant truck, driver and location information.

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- Digital (smart) tachograph Stoneridge SE5000 Connekt 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.
- DAF Infotainment System: Luxury - 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. Supports Apple CarPlay and Android Auto projection on secondary display. 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.
- ACC (Adaptive Cruise Control) with FCW (Forward Collision Warning) and AEBS-3 (AEBS: Advanced Emergency Braking System). With ACC a set distance to the traffic ahead can be maintained; safety systems FCW and AEBS assist in avoiding or mitigating the impact of an impending collision with various moving or stationary objects in front of the vehicle, like other road users or crossing pedestrians, by alerting the driver and activating the brakes if necessary.
- Driver Performance Assistant (DPA). Interactive programme to support the driver in achieving the most cost effective driving style. The DPA information is shown on the 5 inch full colour TFT display in the instrument panel.

SAFETY AND SECURITY

- **Acoustic reverse warning with override switch.**
- 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.
- 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 167N, 20 mm vertical offset. Parabolic suspension with shock absorbers and stabilizer. Max. load 8.0 tonnes.

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- Rear spring load max. 21.0 t, brake system design load 21.0 t.
- Double driven rear tandem axles type HR1670T with hub reduction and trapezium leaf suspension. Mechanical cross-axle and inter-axle differential locks. Max. group load 21.0 tonnes.
- Front suspension leaf, extra high driving conditions.

WHEELS AND TYRES

- **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 axles: tyre size 315/80R22.5, Goodyear type KMAXD2, load index 156/150, speed index L, application Traction - Regional. Tyre label: rolling resistance D - wet grip C - noise 72dB(A), Category A.**
- 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.
- Supplier Goodyear.
- Tyre pressure monitoring.
- Steel disc wheels, silvergrey.
- Wheel protection rings with open centre section, colour silver-grey (RAL 9006).
- Spare wheel tyre not applicable.

DRIVELINE

- **Engine MX-11, multi torque 6 cylinder diesel engine, 10.8 litres. Output 300 kW (408 hp) at 1600 rpm. Maximum torque 2150 Nm at 900-1125 rpm.**
- **Eco performance: the shift strategy control settings of a vehicle with Eco performance focus on fuel efficiency and driveability. The fuel efficient setting, which is automatically selected, can temporarily be switched off by pushing the Eco off button to increase the performance of the vehicle.**
- **Rear axle ratio 3.61.**
- **Automated overdrive gearbox TraXon 12TX2610, ratio 12.92-0.77, 12 speeds.**
- Exhaust emission Euro 6.
- Engine idle shutdown, after idling 5 minutes.
- Automated gearbox, TraXon, 12 speeds.
- Manoeuvring mode for maximum control: if selected, the driveline is gradually engaged, proportionally to the operation of the accelerator pedal.
- Automated gearbox software optimised for standard transport applications. Gearbox control version: Full.
- 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.
- **Spring brake cylinder on both axles of the rear tandem axle.**
- Pneumatic park brake control.
- Spring brake cylinders on the first front axle.
- Twin cylinder air compressor with heated dryer and economy mode.
- Ventilated disc brakes at front, rear tandem axle with drum brakes. Dual circuit air system with electronic control (EBS).

CHASSIS

- **Wheelbase 4.55 m / rear overhang 1.65 m.**
- **Robust rear light brackets with license plate holder.** The rear light is protected from falling debris by a strong, steel guard.
- **Exhaust discharge to the right-hand side.**
- **Preparation for worklamp at the rear.**
- Side member height 310 mm, thickness 7.0 mm. Inner reinforcement front and rear side.
- Standard location of chassis components.
- Horizontal exhaust discharge at the side of the DPF/SCR unit via a low exhaust diffuser.
- EAS unit at the right-hand side of the chassis; vertical battery box and 45 litres tank for AdBlue®, positioned at the left-hand side of the chassis.
- Air tanks steel.
- 340 litres aluminium fuel tank at the left-hand side, height 505 mm.
- Fuel tank at the left-hand side of the chassis.
- Spray suppression in the mudguards, according to directive 91/226/EEC.
- Rear light unit with bulbs. The rear lights are ON when the engine is running.
- Rear mudguards tandem.

DRAWBAR AND TRAILER EQUIPMENT

- **Drawbar cross member D-value 137 kN, Dc-value 92 kN, V-value 40 kN.**
- Type plate related solo application, without trailer.

BODIES AND PREPARATIONS FOR BODYING

- **Hardwired body signals and warnings.**
- **Loose supply of a wiring loom with LED-type side marker lights.**
- **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.

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- **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.**
- **Body attachment BAM 3, with consoles type A.**
- **Application connector necessary to support a Plug & Play application package, allowing easy installation of a superstructure on a DAF chassis.**
- **Application connector (A212), providing extra flexibility for body related functions by allowing default pinning to be altered via DAVIE.**
- Additional light connector in the chassis.
- Chassis frame prepared for standard applications.

POWER TAKE-OFF (PTO)

- **Rear engine PTO, mounted on MX-11 engine in the 13 o'clock position with F100 6-hole flange (diameter 100 mm) connection. 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 110 A, batteries 2x 175 Ah.**

GVM AND GCM

- **Driveline related max GCM 58000 kg class 2.**
- Chassis weight related technical GVM max. 27000 kg.

APPLICATION CONDITIONS

- **Cyclonic air intake high.**
- **Shield beneath the radiator to prevent the disturbance of dust by the cooling fan.**
- 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.
- On-engine heated fuel pre-filter with water separator.

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 200,000 km and 1st year breakdown.
- ITS service.
- Service interval standard.

VEHICLE DELIVERY

- Whole Vehicle Type Approval (WVTA) for European Union.
- Type plate standard.
- CoC document printed in Spanish (ES) 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.

BODY

FHS70E3D3ZEE003 - CONCRETE MIXER FRUMECAR ON TRUCK FH-70 EVO III DAF 6X4

CONCRETE MIXER FRUMECAR ON TRUCK FH-70 EVO III

Nominal capacity: 7 (8) m³

Water line volume: 7,4 m³

Geometrical volume: 12,35 m³

TECHNICAL CHARACTERISTICS

- Drum in steel S600MC. 4,5 mm thick with blades of steel S600MC, 4mm. and reinforced plates of S700MC of 6mm. placed on the upper edge of the blades.
- Double system control of direction and speed of rotation of drum, placed at the back and in the cab of the truck.
- Reinforced supports joined by clamps and placed under the scheme of floating chassis system
- Fixed mono-arm in the rear support.
- Folding ladder access to the loading hopper and for their cleaning and maintenance; with non-slip platform, reinforced steps and banister of protection at the top as well as protective rubbers at folding points.

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- Safety system folding fall prevention on concrete mixer ladder platform.
- Protection for rear lights
- Hydraulic manometer high pressure (0-600 bars) installed in the Hydraulic Motor
- Pneumatic manometer on the side of the front support to display the pressure of water tank
- Easy access to the greasing of the machine, more convenience for the maintenance
- Guide roller and rolling ring central lubrication point
- Geared motor ZF P3301
- Hydraulic pump EATON PV-46 or DANFOSS 089
- Hydraulic Motor EATON MF-4633-089 or DANFOSS 075
- Hydraulic cooling system consisting of oil cooler, electric fan, thermostat, hydraulic oil level indicator and filter.
- Standard Loading Hopper with steel cover St-52 e:3mm.
- Frame made in sheet "U" shaped quality St-52, reinforced by transverse bridges
- Front Galvanized water pipe with two entries of water and ball valve
- Rear Standard Galvanized water pipe with ball valves
- Mixer chassis paint finishing
- Rear seal of chassis
- Plastic drawer to place the fire extinguisher (2units)
- Cleaning nozzle for first blades
- Steel tank for water with capacity for 625L.

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4 bar pressurized with pneumatic installation including security valve and level indicator by scale graduated.

- Drum finished in one colours paint
- Standard swivel chute made of steel with steel lining St-52 e: 3mm.
- Standard folding chute made of steel with lining made of St-52 3mm.
- Auxiliary chutes made of polyethylene
- Chutes elevation by manual spindle

GEN00145 - FOLDING LATERAL PROTECTION

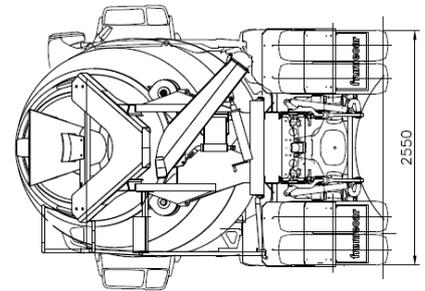
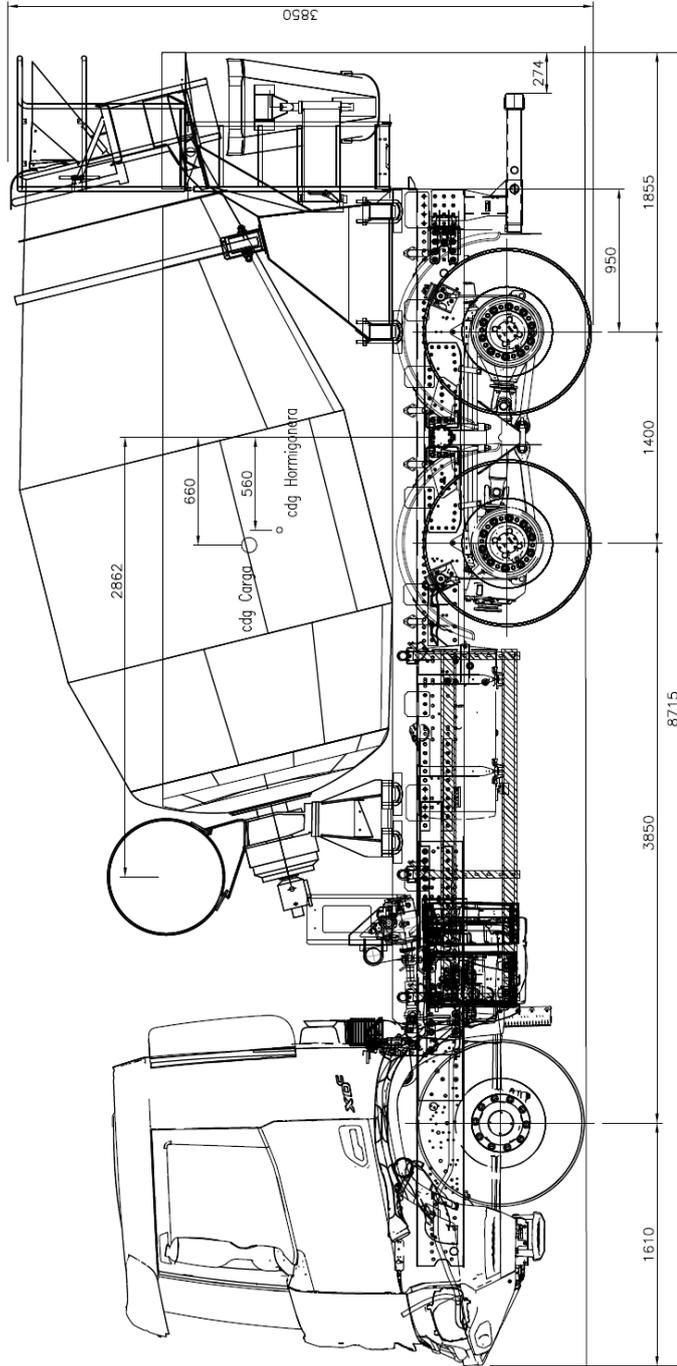








NOTAS



Marca	Cantidad	Descripción	Material	Dimensiones
LISTADO DE COMPONENTES				
 C/ Vitoriana, 1-1710-30169 Tel. (34) 988 89 00 00 Fax (34) 988 89 07 77 frumecar@frumecar.com		Dibujado	jaleicero	15/03/24
		Revisado		
		Aprobado		
Cliente:	DAF	Proyecto:	VA23/03888	Nº Total Unidades: 1
Situación:		Código:		
Modelo:	FH-70 EVO3 NS:23308	Escala:	1:1	Revisión: 01
Descripción:	MASAS Y DIMENSIONES	Peso [Kg]:		
	CHASIS DAF XDC 410 6X4 WB4550			

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