



DAF FAD CF410 6x4 Day Cab c/w Kel-Berg KBM/3/26 Mixer Installation

Chassis Specification

Ver.1 | Issued
04/20

DAF FAD CF410 6x4 Day Cab
c/w Kel-Berg Mixer Install

Make / Model:

DAF CF 410 FAT 6x4 Rigid Mixer Construction Chassis

Driveline:

Drive line is fitted with a 10.8 litre, 6 cylinder diesel Euro 6 engine:

- Outputs: 300 kW (408 hp) at 1600 to 1700 rpm.
- Maximum Torque: 2100 Nm at 900 – 1125 rpm.

Also features an auto Traxon 12 speed ZF 12TX2610 OD gearbox, mechanical cross-axle and inter-axle differential lock and ASR (anti-slip control).

Cab External:

Cab external features the following:

- Green translucent external sun visor.
- Galvanised steel bumper.
- Tinted glass.
- Electric operated side windows.
- 4 point mechanical cab suspension and integrated shock absorbers.
- Central door locking system with exterior light checker functions.
- Electrical adjustment of main mirror and wide angle mirror.
- Daytime running lights with four LEDs at each side.
- Double glassed window in the cab rear wall.

Photos:



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Colour:

Cab is finished in H3279 White. Headlamp surround and bumper are white also. Mirror cover and chassis finished in grey.

Cab Interior:

Cab interior is finished with black rock and a dark sand trim. Driver seat is air suspended with high back and comfort air. Upholstery is flash copper with black seat belts. Climate control automatically regulates cab temperature.

Cab also features a radio / USB player, truck phone, hands free telephone kit with SIM card slot, Bluetooth antenna and two USB charging points. There is also a 5" TFT display in the instrument panel and driver performance assistant (DPA). Stoneridge or VDO digital tachograph.

Chassis:

Chassis is 310 mm x 6 mm steel with full length inner reinforcement. Exhaust is a single low horizontal DPF & SCR unit with diffuser positioned behind the second front axle on driver's side. 220 litre aluminium fuel tank is located on N/S and 45 litre AdBlue tank. Wheel base is 4550 mm with 1650 mm overhang.

Brake System:

Features ventilated disc brakes on the front and rear axles and dual circuit air system with electronic control (EBS). Twin air compressor with heated dryer, exhaust brake and park brake control, spring brake cylinder on front and rear axle also. MX Engine brake.

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Axles & Suspension:

Front Axle Type: 167N vertical offset at 20 mm. Parabolic leaf suspension with shock absorbers and stabiliser – Max Load: 2 x 8 ton

Rear Trapezium Leaf Suspension: Axle Type: SR1132T with single reduction – Max Load 2 x 9.5 ton. Rear spring load max 19 ton. Brake system design load 19 ton.

Wheels & Tyres:

Front & Rear axles:

- Tyre Size: 295/80R22.5
- Wheel Rim Size: 22.5 x 8.25 Rear axle:

Wheel protection rings with centre section finished in silver grey. Tyres premium make, ON/off Road tread pattern fitted.

Electrical Power Supply:

Alternator 80 A, 2 x 175 Ah batteries

Rear light units LED

PTO:

Rear engine PTO at position 13 hours, Flange 100 mm. Analogue gearbox PTO control.

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GVC & GCM:

Chassis weigh related technical GVM max. 26000 kg
Driveline related max GCM 35500 kg class 3

Warranty:

2 year vehicle & 3rd year driveline – this takes care of all warrantable repairs on the vehicle for two years and on the driveline for a third with associated breakdown coverage.

Service & Maintenance

Two options are available at additional monthly cost:

Option 1) Compliance package

Option 2) Full R&M Package, please ask for a full details or a monthly cost.

Photos:



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Drum Specifications:

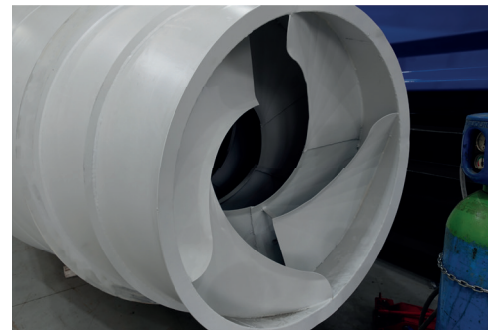
Drum Shell:	3 mm Swedish Steel
Rated Capacity:	6m ³
Dished End Cone:	5 mm
Dished End:	3 mm
Neck Cone:	3 mm
Mouth Cone:	3 mm
Blades:	3 mm
Blade Spacing:	
Blade Depth:	
Capping:	3 x 30 mm

Structure:

The sub frame' s is full length with a high tensile steel section (size 150 x 75 x 8 mm) to match the chassis width. Also features internally welded front & rear support U-bolts which ensure force is applied dynamically throughout the mixer frame.

Body mounts are rigidly fixed plates that are welded into position for local bolting to the truck chassis. Rollers use steel wheels (280 x 90 x 35 mm) with Timken case hardened bearings. Rollers and track rings can be greased at ground level via remote greasing point.

Photos:



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Mixer Drive Line:

PTO uses a GKN shaft and comes from auxiliary drive PCE.

- 687.15 series
- 670 mm W/L
- 100 mm DIN Flanges
- 6 x M8 Bolt Holes

Fitted with a PMH P90 pump with a maximum pressure of 450 bar, which features axial pistons and variable flow - 89.5 cm³ / 89.5 cc capacity.

Motor is a PMH M90 Hydraulic fixed flow pump - 89.5 cm³ / 89.5 cc displacement.

Gearbox is a PMP B6.5 1202.4 hydraulic pump which drives the water pump via a shear coupling. Oil is cooled using ASA oil cooler with temperature control via 59° thermostat – 20L oil reservoir and filter.

Oils

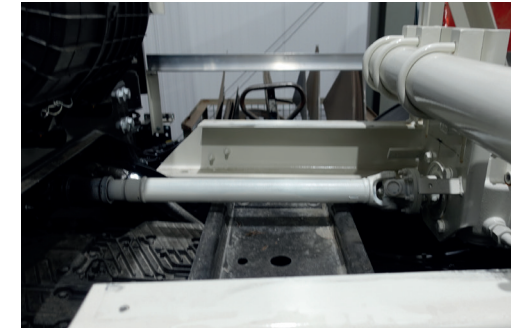
Hydraulic: SAE7580

Gearbox: SAE85W90

Rear Control Station:

The mixer is controlled via a cable located both at the rear and in cab. Engine revs are controlled using push buttons. A 3" hydraulic pressure gauge mounted on rear control panel which provides indication of slump. Water is controlled using a 1" BSP stainless steel control valve and batching metre.

Photos:



Water System:

The water tanks maximum capacity is 400 L and features an external sight glass. Water is pumped using a direct drive centrifugal pump which is driven using PTO. A sacrificial sheer coupling is used to protect the gearbox in the event of frost.

A 1¼" Maddalena BSP brass flow metre with analogue display and reset facility is fitted to rear near control station. Each end is connected with a quick release for easy changes.

1½" BSP stainless ball valves are fitted. These are robust with improved stem seal and rugged steel handle.

¼" BSP stainless steel ball valve located at front middle and rear. Rear and middle valves drain entire system. Front valve is low to ground and drains pump.

¾" hoses with brass nose located at rear ground level and platform for wash off.

Tank fill valves are located on front O/S and N/S with compressed air claw style coupling.

Chutes & Hoppers:

Charge hopper is a single piece of steel with high flow design and wear plate.

Discharge hopper is a high capacity design with wear liner.

A 3mm (130 cm) pan chute is fitted with a wear liner.

2 spare plastic chutes are mounted on top of mudwings each side of installation. Chute is actuated using a mechanical screw jack ram for raise and lower with manual rotation and locking clamp.

Body Fittings:

A fixed ladder gives access to a wide platform and features anti-slip rungs. Pull out ladder to lower. The platform incorporates a large anti-slip design with step to right and handrail with auto close anti-fall back barrier.

Mud wings are a three piece thermos plastic and galvanised steel combination with gloss finish for easy cleaning. Galvanised side guards are bolted on with hinged legs and anodised aluminium side rails.
WVTA

A variety of warning badges are placed on vehicle; including "cement burns" , "authorised operator only" , "rotating parts" , etc.