



**DAF FAD CF450 8x4 c/w McPhee
Mixer Installation**

Chassis Specification

Ver.1 | Issued
04/20

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McPhee Mixer Install

Make / Model:

DAF CF 450 FAD 8x4 Rigid Mixer Construction Chassis

Driveline:

Drive line is fitted with a 10.8 litre, 6 cylinder diesel Euro 6 MX-11 engine:

- Outputs: 320 kW at 1450 to 1700 rpm.
- Maximum Torque: 2100 Nm at 900 to 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 5700 mm with 1530 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.

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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 7.1 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:

ALCOA aluminium machine finished wheel rims.

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. 32000 kg
Driveline related max GCM 32000 kg class 2

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.

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Drum Specifications:

| | | |
|---------------------|----------------------|-----------------|
| Operating Capacity: | 8.0 m ³ | |
| Air Volume: | 14.35 m ³ | |
| Dished End: | 5 mm | HARDOX 450 |
| Wear Plate: | 4 mm | HARDOX 450 |
| Dishend Panel: | 3 mm | HARDOX 450 |
| Centre Panel: | 3 mm | HARDOX 450 |
| Ring Panel: | 3 mm | HARDOX 450 |
| Mouth Panel: | 4 mm | S355 Mild Steel |
| Blades: | 3 mm | HARDOX 450 |
| Capping: | 65 mm x 3 mm | HARDOX 450 |

Sub-Frame:

120 mm x 60 mm x 6.3 mm hollow section chassis rails with fully fabricated stools. Mounted to the chassis in a manner agreed with the chassis manufacturer.

Rollers:

Steel Wheel (EN8) with Timken case hardened bearing.

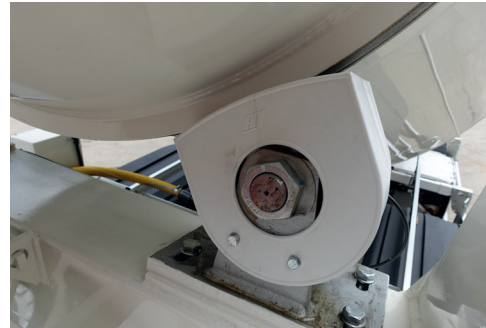
Gearbox:

PMP 6.5 with water pump Power Take-Off (PTO).

Pump:

Eaton Model 54 Hydrostatic Variable Pump

Photos:



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Motor:

Eaton Model 54 Axial Piston Motor.

Oils:

Hydraulic: Hygrade 46
Gearbox: EPB 80w90

Cooling by conduction in to wash water.
Hydraulic pressure gauge slump metre mounted reward facing from front stool.

Controls:

Mechanical rack drive control to rear and in cab.
Throttle: Electrical button controller and emergency stop mounted to rear IP 66 Enclosure.

Water:

Water Tank Capacity: 300 L Water tank

Water Pump: Direct drive centrifugal pump driven by mixer gearbox PTO via sacrificial shear coupling.

Water Metre: 1 1/2 inch calibrated 0 - 500 L with reset.

Wash Down Hose: To rear at ground level and at ladder platform.

Fill Point: 3/4 inch BSP ball valve too near side and off side front fitted with air connectors.

Drain Point: 1/4 inch ball valve to front.

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Chutes:

| | |
|--------------------|---|
| Loading Cone: | Single piece steel body |
| Ear Chute: | High capacity body with rounded corners |
| Pan Chute: | 3 mm steel deep section body |
| 2nd Chute: | Composite rounded section body |
| 3rd Chute: | Composite rounded section body |
| Chute Actuator: | Mechanical screw jack ram |
| Chute Safety Tool: | Lightweight, 3 in 1 accessory for chute wash down |

Fittings:

Supplied by chassis manufacturer.

Warranty:

- 2 Years Warranty on mixer Gearbox, Hydraulic Pump and Motor.
- Standard supplier warranty on other components can range from 6 months to 1 year.
- All warranty claims will be assessed on an individual basis, whether or no they are in or outside of any stated warranty period.
- A claim for warranty can only be substantiated by return of the part for inspection.
- Warranty does not cover wear and tear, damage, misuse or abuse.

The warranty shall only apply to the direct costs of rectifying the areas affected by the failure and will no in any circumstances cover any other costs or losses arising from – without limitation – vehicle downtime, loss of profit, loss of business, loss of revenue, loss of contracts, the cost of securing alternative transport or any special consequential or indirect losses of any nature whatsoever.

Photos:



