



Truck Chassis 8x4

Series

FAD CF85.340 (Fleet Spec)

GVM max. 30000 kg²⁾

Engine : XE 250 Euro III version

Gross Combination Mass¹⁾ : up to 45000 kg

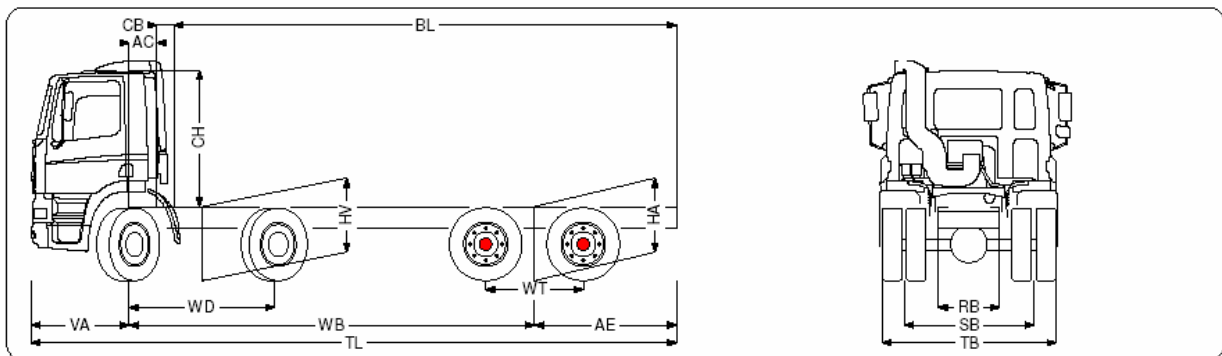
Weights in Kilograms

Model	Gross Design Vehicle Mass ²⁾			Chassis and Cab Weight		
	Front	Rear	Total	Front	Rear	Total
Day Cab						
FAD CF85...570	11000	16500	27500	6190	2340	8530

Chassis and Cab Weight calculated with: F230 tilt Day Cab with 4 coil spring suspension, XE 250 engine, 2 x 175 Ah batteries, 16 S 151 gearbox, RT40-145 with lockable differential, 152N front axles, 310mm chassis rail depth, parabolic type springs at front, Airglide 200 at rear, shock absorbers and stabilizer at front, 1 x 430 litre aluminium fuel tank, 295 / 80 R 22.5 tyres to steer and spare, 11 R 22.5 drive tyres, closing cross member. All further equipment mentioned as standard.

Dimensions in metres

WB	TL	VA	AE	AC	CB ³⁾	BL ⁴⁾	CH ⁵⁾	HV ⁶⁾	HA ⁷⁾	WD	WT	RB	SB	TB
Day Cab														
5.70	9.08	1.38	2.00	0.39	0.24	8.45	1.91	1.09	1.06	2.00	1.40	0.86	1.82	2.49



1) Restrictions due to legal regulations and area of application as well as driveline specification have not been taken into account.
 2) GVM based on current regulations.
 3) CB with vertical tailpipe: 0.24 m.

4) BL dimensions calculated on chassis dimensions. For exact body lengths refer to TOPEC calculation.
 5) CH with air intake on cab roof: + 0.14 m.
 6) Laden height at centre of front axle.
 7) Laden height at centre of rear axle.

ENGINE

General: 6 cylinder, 24 valves.
Piston displacement: 12.6 litres.
Compression ratio: 17.4 to 1.
Governor: Electronically controlled. UPEC
Type: XE 250 C Euro III.
Max. output: 250 kW / 340 hp at 1900 rpm.
Max. torque: 1600 Nm / 1180 lbft at 1000 –1500 rpm.
Maximum output and torque according ECE R24-03 (ISO 1585).

CHASSIS

Completely flat-topped chassis frame. Riveted and bolted construction of channel-section main frame members and cross members.

430-litre aluminium fuel tank.

Horizontal box type exhaust silencer at RHS with vertical pipe. RHS with vertical pipe.

Dimensions main frame members: 260 x 75 x 7 mm with inner reinforcement (position and length depending on WB/AE).

GEARBOX

16 S 151: 4-speed main gearbox with splitter group and range-change group giving 16 speeds.

	XE 250
16 S 151 (13.86 - 0.84)	X

CLUTCH

Single type, pulled operation, asbestos free, dry plate hydraulically operated and pneumatically assisted.

Diameter: 430 mm.

FRONT AXLE

Type: 152N.
Max. design load: 7500 kg
I-section axle. Stub axles with needle bearings.

REAR AXLES

Type: Meritor RT40-145.
Max. design load: 18100 kg.
Double drive tandem axle with spiral bevel gearing. Lockable inter axle and axle differentials.
Ratios: 3.73

FRONT SUSPENSION

Parabolic type leaf springs with shackled ends at rear.
Shock absorbers and stabilizer bar.
Spring dimensions: 2 x 1800 x 80 x 32 mm (7500 kg).

REAR SUSPENSION

Airglide 200 8 bag (18100 kg) air suspension with shock absorbers and stabilizer bars. Aluminium pedestals.

WHEELS AND TYRES

22.5" (10 stud) steel wheels with 295 / 80 R 22.5 tubeless radial tyres at front. 11 R 22.5 dual tyres at rear.

STEERING

Type: Hydraulic power steering with adjustable steering column for rake and height.
Turning circle
WB 5.70 m
Between kerbs 20.15 m
Between walls 21.50 m
(All given turning circles are under reservation).

BRAKE SYSTEM

Dual circuit air operated disc brakes at front and drum brakes at rear, wear indicators at front. DAF engine brake (DEB). Asbestos free brake pads. Pneumatically operated exhaust brake. ABS.
Parking brake: by means of spring brake actuators at second front and second rear axle.

ELECTRICAL EQUIPMENT

Voltage 24 V
Alternator 80 A
Batteries 2 x 175 Ah

TRAILER EQUIPMENT

Two 7-pole connectors for light (12 V + 24V) and accessories and one 5-pole (12V) connector for ABS (if applicable). 24 V – 12 V adaptor. Rear light units incorporating direction indicator light, stop light, reversing light, side marker light and reflector.

CAB EXTERIOR

- F230 tilt Day Cab with 4 coil spring suspension and hydraulic tilting device. Tilting angle 57.5°.
- Fixed, illuminated cab steps.
- Manually controlled roof hatch with reinforced glass.
- Heated main and wide angle mirrors.
- Steel front bumper with foot hold.
- External sun visor.
- Electric adjustable main mirrors. - Rear window.
- Corner air deflectors.

COLOURS

Choice of 21 basic solid cab colours and 3 chassis colours. Various non-standard and metallic cab colours.

CAB INTERIOR

Completely equipped instrument panel. Servoshift gear shift system. Adjustable steering column. Adjustable air suspended driver seat and fixed co-driver seat with head restraint. Various storage facilities. Black structure dashboard finish. Electric window openers, air conditioning and cruise control. 4 spoke, soft grip steering wheel.

GENERAL EQUIPMENT

Legal aspects

- ECE 29 Cat
- Exhaust emission according to Euro III.
- EEC certified noise encapsulation.

Application conditions:

Raised air intake on top of the roof. Set of tools.
430 litre aluminium fuel tank.

MAX. SPEED

Theoretical max. speed in km/h at 1900rpm with 11 R 22.5 tyres.
Ratios, Meritor RT40 -145 3.73:1
16 S 181 1 118

Max. speed depending on gear ratios, tyres, superstructure, GCM and operating conditions. Road speed limited to 100 km/h.