

Truck Chassis 6x2

Series

FAS CF75.250 FAS CF75.310

GVM max. 24600 kg²⁾

Engine : PE 183 / PE 228 Euro III version

Gross Combination Mass¹⁾ : up to 38000 kg

Weights in Kilograms

Model	Gross Design Vehicle Mass ²⁾			2006 WB	Chassis and Cab Weight		
	Front	Rear	Total		Front	Rear	Total
Day Cab							
FAS CF75...480	6500	18100	24600	480	4190	3455	7645
FAS CF75...505	6500	18100	24600	505	4190	3490	7680
FAS CF75...530	6500	18100	24600	530	4200	3540	7740
FAS CF75...560	6500	18100	24600	560	4205	3605	7810
FAS CF75...590	6500	18100	24600	590	4270	3555	7825
Sleeper Cab							
FAS CF75...480	6500	18100	24600	480	4295	3455	7750
FAS CF75...505	6500	18100	24600	505	4295	3490	7785
FAS CF75...530	6500	18100	24600	530	4305	3540	7845
FAS CF75...560	6500	18100	24600	560	4310	3605	7915
FAS CF75...590	6500	18100	24600	590	4375	3555	7930

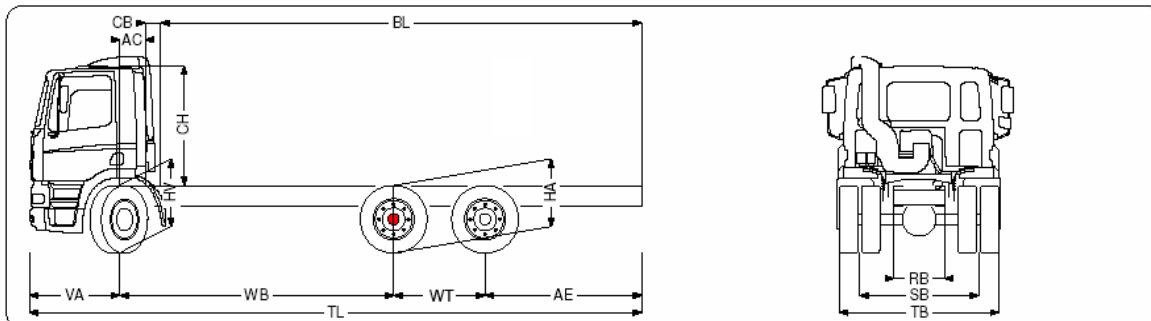
Chassis and cab weight calculated with F230 tilt Day cab with 4 coil spring suspension, PE 228 engine, 2 x 175 Ah batteries, 16 S 151 gearbox, SR 1339 trailing axle, lockable differential, 152N front axle, 310 mm chassis height, parabolic type springs at front, 6-bag air suspension at rear, shock absorbers and stabilizer at front and rear, 1 x 430 litre aluminium fuel tank, 295 / 80 R 22.5 tyres front axle, 11 R 22.5 rear axle, spare wheel and carrier. All further equipment mentioned as standard.

Note: Chassis / cab weight with sleeper cab plus 105 kg, with Space Cab plus 180 kg. All weights quoted are subject to a +/- 2% variability.

ADR 43 specifies that the max. rear overhang on a rigid truck is 60% of the wheelbase or 3.7 m, whichever is the lesser. With a rear lift axle truck with the lift axle in the down position, the overhang is measured from the centre line of the two axles. When the axle is raised, the overhang is measured from the centre line of the drive axle. When the body is fitted to the truck, the responsibility for complying with these dimensions rests with the owner and/or body builder. 6.5T load limit on liftable axle.

Dimensions in metres

WB	TL	VA	AE	AC	CB ³⁾	BL	CH	HV ⁴⁾	HA ⁵⁾	WT	RB	SB	TB
Day Cab													
4.80	10.18	1.38	2.60	0.39	0.24	8.17	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.05	10.58	1.38	2.75	0.39	0.24	8.57	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.30	10.98	1.38	2.90	0.39	0.24	8.97	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.60	11.38	1.38	3.00	0.39	0.24	9.37	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.90	11.68	1.38	3.00	0.39	0.24	9.97	1.81	0.96	1.01	1.40	0.79	1.82	2.49
Sleeper Cab													
4.80	10.18	1.38	2.60	0.82	0.24	7.74	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.05	10.58	1.38	2.75	0.82	0.24	8.14	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.30	10.98	1.38	2.90	0.82	0.24	8.54	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.60	11.38	1.38	3.00	0.82	0.24	8.94	1.81	0.96	1.01	1.40	0.79	1.82	2.49
5.90	11.68	1.38	3.00	0.82	0.24	9.54	1.81	0.96	1.01	1.40	0.79	1.82	2.49
Space Cab													
5.60	11.38	1.38	3.00	0.82	0.24	8.96	2.64	0.96	1.01	1.40	0.79	1.82	2.49



1) Subject to application approval.

2) Front axle load based on tyre load index.

3) CB with cyclonic filter: 0.20 m, with vertical tailpipe: 0.24 m.

4) Laden height at centre of front axle.

5) Laden height at centre of rear axle.

ENGINE

General:	6 cylinder, 24 valves
Piston displacement:	9.2 litres
Compression ratio:	17.4 to 1
Governor:	Electronically controlled (UPEC).
Type:	PE 183 C Euro III
Max. output:	183 kW / 250 hp at 2200 rpm
Max. torque:	1050 Nm / 775 lbft at 1100 - 1700 rpm
Type:	PE 228 C Euro III
Max. output:	228 kW / 310 hp at 2200 rpm
Max. torque:	1275 Nm / 940 lbft at 1200 - 1700 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.
1 x 430 litre aluminium fuel tank.
Horizontal box type exhaust silencer at RHS with vertical pipe. Side marker lamps. RHS with vertical pipe. Spare wheel carrier with winch.
Dimensions main frame members: 310 x 75 x 7 mm with inner reinforcement.

GEARBOX

8 S 151: 4-speed main gearbox with range-change group giving 8 speeds.
9 S 109: 4-speed main gearbox with range-change group and crawler gear, giving 9 speeds
16 S 109 / 151: 4-speed main gearbox with range-change group and splitter group, giving 16 speeds.
12 AS 1630: 12 speed, automated manual. AS Tronic transmission.

	PE 183	PE 228
8 S 151 (13.80 - 1.00)	X	X
9 S 109 (12.91 - 1.00)	X	-
16 S 151 (16.41 - 1.00)	X	X
16 S 109 (13.41 - 1.00)	X	-
12 AS 1630 (15.86 - 1.00)	-	X

CLUTCH

Single type, pushed operation (PE 183 C) and pulled operation (PE 228 C), asbestos free, dry plate, hydraulically operated and pneumatically assisted.
Diameter: 393 mm on PE 183 C
430 mm on PE 228 C

FRONT AXLE

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

REAR AXLE

Type: SR 1339 + 09 N 220
Max. design load: 20000 kg
Single reduction driven axle with diff lock.
Optional:
Type: SR 1347 / HR 1354 + 09 N 220
Max. design load: 20000 kg (single reduction)
Type: HR 1354
Max. design load: 20000 kg (hub reduction)

FRONT SUSPENSION

Parabolic type leaf springs with shackled ends at rear.
Shock absorbers and stabilizer bar.

REAR SUSPENSION

DAF 8 bag (20000 kg) air suspension with shock absorbers and stabilizer bar.
Axle load limiter. 6.5T load limit on liftable axle.
Optional:
Type: Parabolic type leaf springs.

WHEELS AND TYRES

22.5" (10 stud) steel disc wheels, with 295 / 80 R 22.5 tubeless radial tyres at front. 11 R 22.5 dual tyres at rear. Spare wheel with tyre.
Optional:
- Aluminium disc wheels
- Wheel protection rings

STEERING

Type: Hydraulic power steering with steering column adjustable for rake and height.

	Between kerbs	Between walls
Turning circle (11.5 / 7.5)		
WB 3.80 m	14.75 m	16.20 m
WB 4.20 m	15.80 m	17.25 m
WB 4.40 m	16.30 m	17.75 m
WB 4.60 m	16.80 m	18.30 m
WB 4.80 m	17.35 m	18.85 m
WB 5.05 m	18.00 m	19.50 m
WB 5.30 m	18.65 m	20.15 m
WB 5.60 m	19.45 m	20.95 m
WB 5.90 m	20.20 m	21.70 m

(All given turning circles are under reservation).

BRAKE SYSTEM

Electronically controlled, dual-circuit air operated disc brakes with wear indicators at front and rear.
Asbestos free brake pads. Electronic Brake System (EBS) with ABS.
Pneumatically operated exhaust brake.
Parking brake: by means of spring brake actuators on driven rear axle.
Optional:
- ZF Intarder & ASR.

ELECTRICAL EQUIPMENT

Voltage: 24 V
Alternator: 80 A
Batteries: 2 x 175 Ah

Optional:

- 100 A alternator.

TRAILER EQUIPMENT

Two 7-pole trailer connectors for light (12 V + 24 V) and accessories and one 5-pole (12 V) connector for ABS (if applicable). Rear light units incorporating direction indicator, tail light, stop light, reverse light and reflector.

Optional:

- Drawbar cross member D = 130. - Automatic trailer coupling.
- ABS wiring cable.

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. - Vehicle immobiliser.
- Electric adjustable main mirrors.
- Corner air deflectors. - Combi lamps in bumper.

Optional:

- Sleeper Cab. - Space Cab.
- Aluminium roof hatch. - Tinted glass.
- Permanent driving lights. - Non-translucent roof hatch.
- Side window on Sleeper Cab. - Hazard beacon lights.
- Anti theft alarm system. - Spot lights.
- Rear window. - Side collars.
- FUPS.

Aerodynamics Optional:

- Adjustable roof spoiler.

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. Sleeper cab with 1 bunk and 2 large storage boxes underneath, left-hand side storage box accessible from the outside. 4 spoke, soft grip steering wheel. Electric window opener. Cruise control. Air conditioning. Integrated 3-point safety belt.

Optional:

- Various driver/co-driver seats - 2nd bunk on Sleeper Cab and 3rd seat (Day Cab). - Space Cab.
- Leather finish steering wheel. - Wood structure dashboard finish.
- Mechanical or electrical remote controlled door lock.

GENERAL EQUIPMENT

Legal aspects:

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

Application conditions:

- Raised air intake on top of the roof. Set of tools.

Optional:

- Air intake behind the cab. - Cyclonic type air filter.
- Acoustic reversing signal. - Moisture separator.
- 1 x 340 litre aluminium fuel tank (depending on WB/AE).

MAX. SPEED

Theoretical max. speed in km/h at 2200 rpm with 11 R 22.5 tyres.

Ratios, SR 1339 / 1347 axle	3.31	3.73	4.10	4.56
Direct Drive	128	113	103	92

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