

## Truck Chassis 4x2

### Series

**FA CF75.250      FA CF75.310**

**GVM max. 17400kg<sup>2)</sup>**

Engine :      PE 183 / PE 228 Euro III version

Gross Combination Mass<sup>1)</sup>:      up to 38000 kg

### Weights in Kilograms

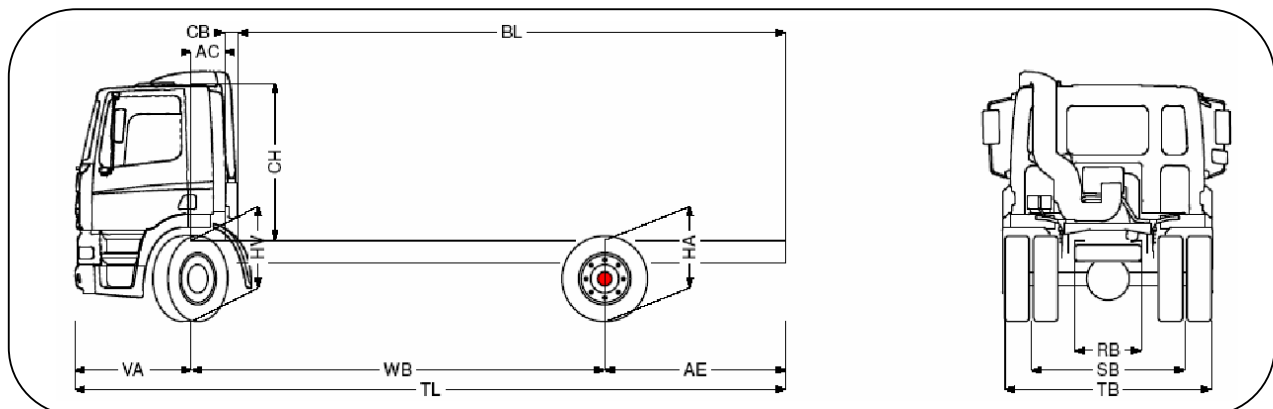
Model	Gross Design Vehicle Mass <sup>2)</sup>				Chassis and Cab Weight		
	Front	Rear	Total	WB	Front	Rear	Total
<b>Day Cab</b>							
FA CF75...510	6500	10900	17400	5100	4095	2090	6185
FA CF75...540	6500	10900	17400	5400	4115	2125	6240
FA CF75...570	6500	10900	17400	5700	4125	2160	6285
FA CF75...610	6500	10900	17400	6100	4140	2195	6332
FA CF75...660	6500	10900	17400	6600	4335	2230	6565
FA CF75...690	6500	10900	17400	6900	4345	2225	6570

**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 rear axle with lockable differential, 152N front axle, 260 mm chassis height (WB > 4.90 m: 310 mm), parabolic type springs at front, 4 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 tyre 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.

### Dimensions in metres

WB	TL	VA	AE	AC	CB	BL	CH <sup>3)</sup>	HV <sup>4)</sup>	HA <sup>5)</sup>	RB	SB	TB
<b>Day Cab</b>												
5.10	8.78	1.38	2.30	0.39	0.24	6.77	1.81	0.96	1.01	0.79	1.82	2.49
5.40	9.18	1.38	2.40	0.39	0.24	7.17	1.81	0.96	1.01	0.79	1.82	2.49
5.70	9.73	1.38	2.65	0.39	0.24	7.72	1.81	0.96	1.01	0.79	1.82	2.49
6.10	10.28	1.38	2.80	0.39	0.24	8.27	1.81	0.96	1.01	0.79	1.82	2.49
6.60	11.18	1.38	3.20	0.39	0.24	9.17	1.81	0.96	1.01	0.79	1.82	2.49
6.90	11.73	1.38	3.45	0.39	0.24	9.72	1.81	0.96	1.01	0.79	1.82	2.49
<b>Sleeper Cab</b>												
5.10	8.78	1.38	2.30	0.82	0.24	6.34	1.81	0.96	1.01	0.79	1.82	2.49
5.40	9.18	1.38	2.40	0.82	0.24	6.74	1.81	0.96	1.01	0.79	1.82	2.49
5.70	9.73	1.38	2.65	0.82	0.24	7.29	1.81	0.96	1.01	0.79	1.82	2.49
6.10	10.28	1.38	2.80	0.82	0.24	7.84	1.81	0.96	1.01	0.79	1.82	2.49
6.60	11.18	1.38	3.20	0.82	0.24	8.74	1.81	0.96	1.01	0.79	1.82	2.49
6.90	11.73	1.38	3.45	0.82	0.24	9.29	1.81	0.96	1.01	0.79	1.82	2.49



1) Subject to application approval.  
2) Front axle load based on tyre load index.

3) CH with air intake on cab roof: + 0.14 m, with Space Cab: + 0.68 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 lbf at 1100-1700 rpm.  
**Type:** PE 228 C Euro III.  
 Max. output: 228 kW / 310 hp at 2200 rpm.  
 Max. torque: 1275 Nm / 940 lbf at 1200-1700 rpm.

**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. Spare wheel carrier with winch. Side marker lamps.  
 Dimensions main frame members: 260 x 75 x 7 mm or 310 x 75 x 7 mm with inner reinforcement.  
 (depending on WB/AE).

**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  
**MD 3060P / 3066P:** automatic gearbox with hydraulic torque converter.

	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	-
MD 3060P (3.49-0.75)	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, with servoshift.

Diameter: 395 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 AXLES**

**Type:** SR 1339  
 Max. design load: 13000 kg  
 Single reduction driven axle.

**Optional:**

- SR 1132 (rigid only, 11500 kg)

**FRONT SUSPENSION**

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

**REAR SUSPENSION**

Parabolic type leaf springs (13000 kg) with sliding ends at rear. Shock absorbers and stabilizer bar.

**Optional:**

- 4 bag air suspension.  
 - Short rear spring.

**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		
WB 4.90 m	16.20 m	17.75 m
WB 5.10 m	16.75 m	18.25 m
WB 5.40 m	17.50 m	19.05 m
WB 5.70 m	18.30 m	19.85 m
WB 6.10 m	19.35 m	20.90 m
WB 6.60 m	20.65 m	22.20 m
WB 6.90 m	21.45 m	23.00 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: Pneumatically operated 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**

Rear closing cross member. Front towing coupling.  
 - Two 7-pole trailer connector for lights (12 V + 24V) and 5-pole (12V) connector for ABS.

- Pneumatic trailer conn. 2-line. - ABS wiring cable.

**Optional:**

- Drawbar cross member D = 130. - One 7-pole 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.

- Combi lamps in bumper. - Electric adjustable main mirrors.

- Vehicle immobiliser. - Corner air deflectors.

- External sun visor.

**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.

- Alarm. - Rear window.

- Side collars.

**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. Servoshft gear shift system. 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. - 2<sup>nd</sup> bunk on Sleeper Cab and

- 3<sup>rd</sup> seat (Day Cab). - Space Cab.

- Leather finish steering wheel. - Mechanical or electrical remote-

- Wood structure dashboard finish. - controlled door lock.

**GENERAL EQUIPMENT****Legal aspects**

- Exhaust emission according to Euro III.

- EEC certified noise encapsulation.

- ECE cab certification.

**Application conditions**

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

**Optional:**

- 340 litre aluminium fuel tank (depending on WB/AE).

- Front underrun protection. - Rear underrun protection.

- Air intake behind the cab. - Cyclonic type air filter.

- Acoustic reversing signal. - Moisture separator.

**MAX. SPEED**

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

Ratios, SR 1339 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.

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