

Tractor Chassis 4x2

Series
FT CF75.250 FT CF75.310

GVM max. 17400 kg²⁾

Engine : PE 183 / PE 228 Euro III version

Gross Combination Mass¹⁾ : up to 38000 kg

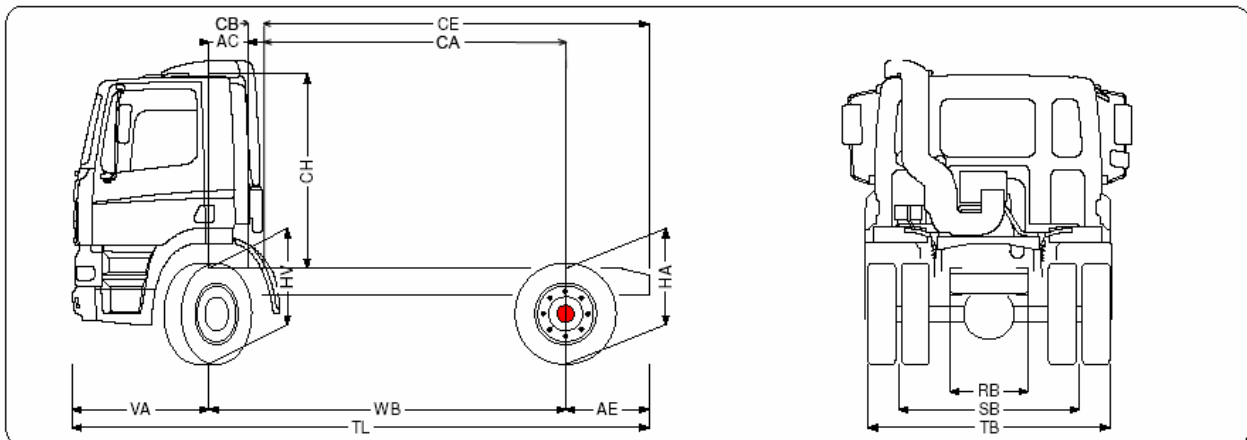
Weights in Kilograms Model	Gross Design Vehicle Mass ²⁾			2006 WB	Chassis and Cab Weight		
	Front	Rear	Total		Front	Rear	Total
Day Cab							
FT CF75...325	6500	10900	17400	3250	4090	1850	5940
FT CF75...360	6500	10900	17400	3600	4100	1860	5960
FT CF75...380	6500	10900	17400	3800	4110	1870	5980
Sleeper Cab							
FT CF75...325	6500	10900	17400	3250	4200	1850	6050
FT CF75...360	6500	10900	17400	3600	4210	1860	6070
FT CF75...380	6500	10900	17400	3800	4220	1870	6090

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, 152N front axle, 260 x 75 x 6 mm chassis height, 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. 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 +/- 2% variability.

Dimensions in metres

WB	TL	VA	AE	AC	CB	CA	CE	CH	HV ³⁾	HA ⁴⁾	RB	SB	TB
Day Cab													
3.25	5.47	1.38	0.84	0.39	0.24	2.62	3.46	1.86	0.90	0.96	0.79	1.82	2.49
3.60	5.82	1.38	0.84	0.39	0.24	2.97	3.81	1.86	0.90	0.96	0.79	1.82	2.49
3.80	6.02	1.38	0.84	0.39	0.24	3.17	4.01	1.86	0.90	0.96	0.79	1.82	2.49
Sleeper Cab													
3.25	5.47	1.38	0.84	0.82	0.24	2.19	3.03	1.86	0.90	0.96	0.79	1.82	2.49
3.60	5.82	1.38	0.84	0.82	0.24	2.54	3.38	1.86	0.90	0.96	0.79	1.82	2.49
3.80	6.02	1.38	0.84	0.82	0.24	2.74	3.58	1.86	0.90	0.96	0.79	1.82	2.49
Space Cab													
3.60	5.82	1.38	0.84	0.82	0.24	2.54	3.58	2.64	0.90	0.96	0.79	1.82	2.49



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

3) Laden height at centre of front axle.
 4) 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 / 250hp 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.

CHASSIS

Completely flat-topped chassis frame. Riveted and bolted construction of channel-section main frame members (tapered at the rear end) and cross members. Catwalk behind the cab. 430-litre aluminium fuel tank. Main frame members with angle sections for mounting of fifth wheel. Horizontal box type exhaust silencer at RHS with vertical pipe. Side marker lamps. Dimensions main frame members: 260 x 75 x 6 mm, or 260 x 75 x 7 mm with front 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: 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 AXLE

Type: SR 1339
Max. design load: 13000 kg
Single reduction driven axle with diff lock.

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 shackled ends at rear. Shock absorbers and stabilizer bar.

Optional:

4 bag air suspension.

WHEELS AND TYRES

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

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 3.25 m	11.95 m	13.35 m
WB 3.60m	12.85 m	14.30 m
WB 3.80 m	13.35 m	14.80 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/VSC.

ELECTRICAL EQUIPMENT

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

Optional:

- 100 A alternator.

TRAILER EQUIPMENT

Semi-trailer brake connectors, 2-line with suzi couplings. Two 7-pole semi-trailer connector for lights (12 V + 24 V) and accessories and one 5-pole (12 V) connector for ABS.

- Light and ABS connecting cables.

Optional:

- Rear towing hook (D = 43).

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.
- Corner air deflectors.
- External sun visor.
- Rear window.
- Combi lamps in bumper.
- Electric adjustable main mirrors.

Optional:

- Sleeper Cab.
- Aluminium roof hatch.
- Permanent driving lights.
- Side window on Sleeper Cab.
- Vehicle immobiliser and alarm.
- FUPS.
- Space Cab.
- Tinted glass.
- Non-translucent roof hatch.
- Side collars.
- Hazard beacon lights.

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.
- Auxiliary heater.
- Mechanical or electrical remote controlled door lock.
- 2nd bunk on Sleeper Cab and Space Cab.
- Wood structure dashboard finish.

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. Heated air dryer.

Optional:

- Cyclonic type air filter.
- Acoustic reversing signal.
- 340 litre aluminium fuel tank (depending on WB and version).
- Front underrun protection.
- Moisture separator.
- Component free LHS.
- Spray suppr. at front and rear.
- Spare wheel carrier with winch.
- Catwalk extension.

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.

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