



Tractor Chassis 6x4

Series

FTT CF85.340 FTT CF85.380

FTT CF85.430

GVM max. 24600 kg²⁾

Engine : XE 250 / XE 280 / XE 315 Euro III version

Gross Combination Mass¹⁾ : up to 50000 kg
(Higher on application)

Weights in Kilograms

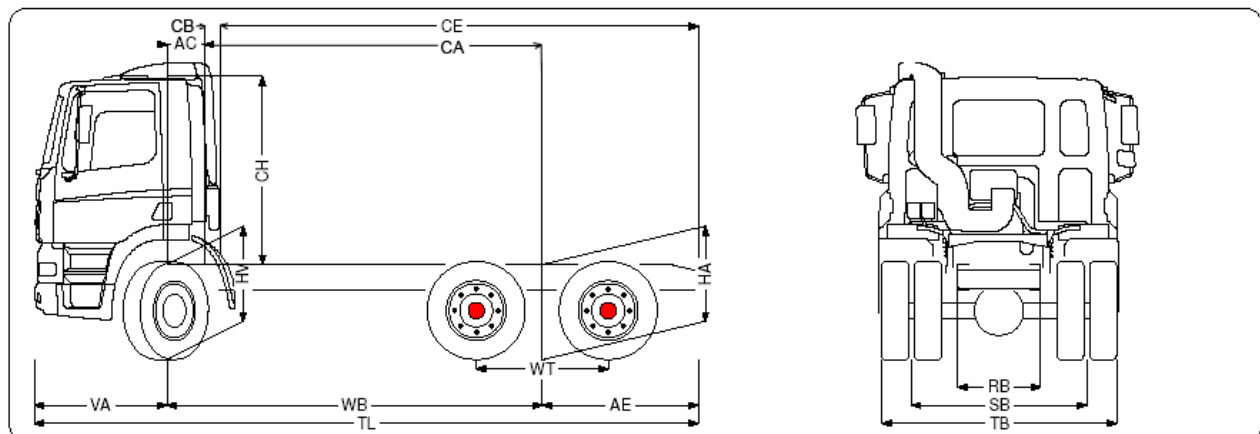
| Model | Gross Design Vehicle Mass ²⁾ | | | Chassis and Cab Weight | | |
|--------------------|-----------------------------------------|-------|-------|------------------------|------|-------|
| | Front | Rear | Total | Front | Rear | Total |
| Day Cab | | | | | | |
| FTT CF 85...365 | 6500 | 18100 | 24600 | 4407 | 2950 | 7357 |
| FTT CF 85...390 | 6500 | 18100 | 24600 | 4430 | 2943 | 7373 |
| Sleeper Cab | | | | | | |
| FTT CF 85...365 | 6500 | 18100 | 24600 | 4507 | 2950 | 7457 |
| FTT CF 85...390 | 6500 | 18100 | 24600 | 4530 | 2943 | 7473 |

Chassis and Cab Weight calculated with: F230 tilt Day Cab, with 4 coil spring suspension, XE 315 engine, 2 x 175 Ah batteries, 16 S 181 gearbox, RT46-160 rear axles, 152N front axle, 260 mm chassis height, parabolic spring front suspension, Airglide 200 rear suspension, 2 x 430 litre aluminium fuel tank, Alcoa aluminium wheels, 295 / 80 R 22.5 steer tyres, 11 R 22.5 drive tyres.

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 | CA | CE | CH | HV ³⁾ | HA ⁴⁾ | WT | RB ⁵⁾ | SB | TB |
|--------------------|------|------|------|------|------|------|------|------|------------------|------------------|------|------------------|------|------|
| Day Cab | | | | | | | | | | | | | | |
| 3.65 | 6.66 | 1.38 | 1.63 | 0.39 | 0.24 | 3.05 | 4.65 | 1.96 | 0.91 | 0.98 | 1.37 | 0.86 | 1.82 | 2.49 |
| 3.90 | 6.91 | 1.38 | 1.63 | 0.39 | 0.24 | 3.27 | 4.90 | 1.96 | 0.91 | 0.98 | 1.37 | 0.86 | 1.82 | 2.49 |
| Sleeper Cab | | | | | | | | | | | | | | |
| 3.65 | 6.66 | 1.38 | 1.63 | 0.82 | 0.24 | 2.59 | 4.22 | 1.96 | 0.91 | 0.98 | 1.37 | 0.86 | 1.82 | 2.49 |
| 3.90 | 6.91 | 1.38 | 1.63 | 0.82 | 0.24 | 2.84 | 4.47 | 1.96 | 0.91 | 0.98 | 1.37 | 0.86 | 1.82 | 2.49 |
| Space Cab | | | | | | | | | | | | | | |
| 3.65 | 6.66 | 1.38 | 1.63 | 0.82 | 0.24 | 2.59 | 4.22 | 2.64 | 0.91 | 0.91 | 1.37 | 0.86 | 1.82 | 2.49 |
| 3.90 | 6.91 | 1.38 | 1.63 | 0.82 | 0.24 | 2.84 | 4.47 | 2.64 | 0.91 | 0.91 | 1.37 | 0.86 | 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 tandem axle.
5) RB dimension is 0.79 m with 1355 T rear axles.

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 lbfm at 1000 – 1500 rpm. |
| Type: | XE 280 C Euro III. |
| Max. output: | 280 kW / 380 hp at 1900 rpm. |
| Max. torque: | 1750 Nm / 1290 lbfm at 1000 – 1500 rpm. |
| Type: | XE 315 C Euro III. |
| Max. output: | 315 kW / 430 hp at 1900rpm. |
| Max. torque: | 1950 Nm / 1440 lbfm 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 (tapered at the rear end) and cross members.

430-litre aluminium fuel tank.

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

Main frame members with angle sections for mounting of fifth wheel.

Dimensions main frame members: 260 x 75 x 7 mm with inner reinforcement.

GEARBOX

8 S 151 / 181: 4-speed main gearbox with range-change group giving 8 speeds.

16 S 151/ 181: 4-speed main gearbox with splitter group and range-change group giving 16 speeds.

12 AS 2130: 12 speed, automated manual, AS Tronic transmission.

| | XE 250 | XE 280 | XE 315 |
|----------------------------------------------------------------------|--------|--------|--------|
| 8 S 151 (13.86 - 1.00) and 16 S 151 (16.47 - 1.00 / 13.86 - 0.84) | X | - | - |
| 8 S 181 (13.80 - 1.00) and 16 S 181 (16.41 - 1.00 / 13.80 - 0.84) | - | X | X |
| 12 AS 2130 (12.33 - 0.78) | - | - | X |

CLUTCH

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

Diameter: 430 mm.

FRONT AXLE

Type: **152N.**

Max. design load: 7500 kg.

I-section axle. Stub axles with needle bearings.

REAR AXLE

Type: **Meritor RT46-160.**

Max. design load: 20900 kg.

Double drive tandem axle with spiral bevel gearing. Lockable inter axle and axle differentials.

Ratios: 3.73, 3.91, 4.10, 4.30 and 4.56.

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) Alcoa aluminium disc wheels, with 295 / 80 R 22.5 tubeless radial tyres at front and dual 11 R 22.5 tyres at rear.

Optional:

- Silver steel disc wheels. - Wheel protection rings.

STEERING

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

| | | |
|----------------|---------------|---------------|
| Turning circle | Between kerbs | Between walls |
| WB 3.90 m | 13.60 m | 15.10 m |

BRAKE SYSTEM

Dual-circuit air operated drum brakes on rear axles with automatic slack adjusters. Front axle air operated disc brakes.

Brake dimensions:

Front axle 152N: 430 x 45 mm.

Tandem axle Meritor: 420 x 180 mm.

ABS: ZF Intarder.

Emergency/parking brake: Spring brake actuators on rear axles.

Optional:

- DAF Engine Brake (DEB). - ASR.

ELECTRICAL EQUIPMENT

Voltage: 24 V

Alternator: 80 A

Batteries: 2 x 175 Ah

Starter Motor: 6.3 kW

Rear light units: Incorporating direction indicator light, stop light, rear fog light, reversing light, side marker light and reflector.

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 one 5-pole (12V) connector for ABS (if applicable).

- Light, accessories and ABS connecting cables.

- Adaptor: 24 V – 12 V.

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.

- Permanent driving lights. - External sun visor.

- Electric adjustable main mirrors.

- Corner air deflectors. - Side collars.

Optional:

- Sleeper Cab. - Space Cab.

- Rear window. - Side window (Sleeper Cab).

- Aerodynamic aids. - Aluminium roof hatch.

- FUPS.

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 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. Wood structure dashboard finish. Integrated 3-point safety belt. Air conditioning.

Optional:

- Various driver/co-driver seats. - 2nd bunk on Sleeper Cab and Space Cab.

- 3rd seat (Day Cab).

- Leather finish steering wheel. - Mechanical or electrical remote controlled door lock.

- Sleeper Cab.

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.

Optional:

- 340 / 430 litre aluminium fuel tank combinations (depending on WB and version).

- Heated air dryer. - Various types of PTO.

- Rear cross member for mounting of rear towing hook (D = 4.3).

MAX. SPEED

Theoretical max. speed in km/h at 1900 rpm with 11 R 22.5 tyre.

| | | | | |
|-----------------------------|--------|--------|--------|--------|
| Ratios, Meritor RT 46 - 160 | 3.73:1 | 3.91:1 | 4.10:1 | 4.30:1 |
| 16 S 181 / 121 | 118 | 112 | 106 | 86 |

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

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