

Truck Chassis 6x4

Series

FAT CF85.340 FAT CF85.380

FAT CF85.430

GVM max. 24600 kg²⁾

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

Gross Combination Mass¹⁾ : up to 50000 kg

Weights in Kilograms

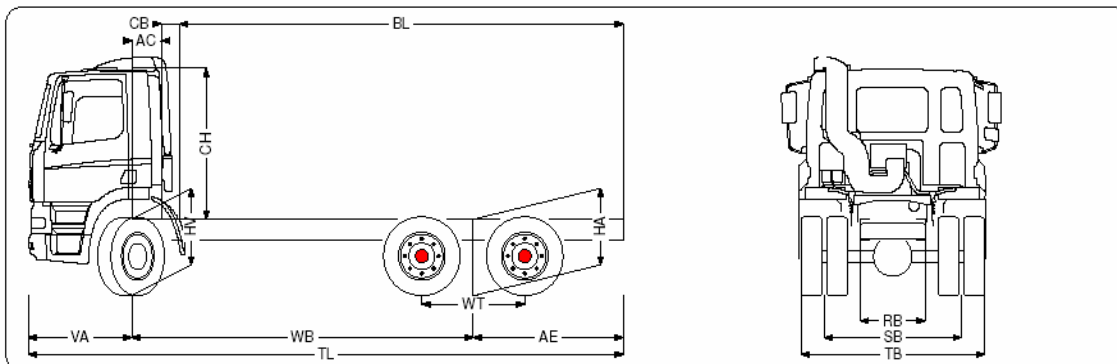
Model	Gross Design Vehicle Mass ²⁾			Chassis and Cab Weight		
	Front	Rear	Total	Front	Rear	Total
Day Cab						
FAT CF 85...390	6500	18100	24600	4433	2909	7342
FAT CF 85...405	6500	18100	24600	4433	2921	7354
FAT CF 85...455	6500	18100	24600	4433	3144	7577
FAT CF 85...500	6500	18100	24600	4493	3124	7617
FAT CF 85...555	6500	18100	24600	4503	3194	7697

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, 156N front axle, 260 mm chassis height, parabolic spring front suspension, Airglide 200 rear suspension, 2 x 430 litre fuel tank, Alcoa aluminium wheels, 295 / 80 R 22.5 steer tyres, 11 R 22.5 drive tyres. 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 ³⁾	CH	HV ⁴⁾	HA ⁵⁾	WT	RB	SB	TB
Day Cab													
3.90	6.93	1.38	1.65	0.39	0.24	4.92	1.96	1.04	1.06	1.37	0.86	1.82	2.49
4.05	7.43	1.38	2.00	0.39	0.24	5.42	1.96	1.04	1.06	1.37	0.86	1.82	2.49
4.55	8.88	1.38	2.95	0.39	0.24	6.87	1.96	1.04	1.06	1.37	0.86	1.82	2.49
5.00	9.28	1.38	2.90	0.39	0.24	7.27	1.96	1.04	1.06	1.37	0.86	1.82	2.49
5.55	9.88	1.38	2.95	0.39	0.24	7.87	1.96	1.04	1.06	1.37	0.86	1.82	2.49
Sleeper Cab													
3.90	6.93	1.38	1.65	0.82	0.24	5.49	1.96	1.04	1.06	1.37	0.86	1.82	2.49
4.05	7.43	1.38	2.00	0.82	0.24	4.49	1.96	1.04	1.06	1.37	0.86	1.82	2.49
4.55	8.88	1.38	2.95	0.82	0.24	6.44	1.96	1.04	1.06	1.37	0.86	1.82	2.49
5.00	9.28	1.38	2.90	0.82	0.24	6.84	1.96	1.04	1.06	1.37	0.86	1.82	2.49
5.55	9.88	1.38	2.95	0.82	0.24	7.44	1.96	1.04	1.06	1.37	0.86	1.82	2.49
Space Cab													
5.55	9.88	1.38	2.95	0.82	0.24	7.44	2.64	1.04	1.06	1.37	0.86	1.82	2.49



1) Subject to application approval.
 2) Front axle load based on tyre load index.
 3) BL dimensions calculated on chassis dimensions

4) Laden height at centre of front axle.
 5) Laden height at centre of tandem axle.
 6) HR 1355 T axles WT = 1.40, RB = 0.79.

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.
Type: **XE 280 C Euro III.**
Max. output: 280 kW / 380 hp at 1900 rpm.
Max. torque: 1750 Nm / 1290 lbft at 1000 – 1500 rpm.
Type: **XE 315 C Euro III.**
Max. output: 315 kW / 430 hp at 1900rpm.
Max. torque: 1950 Nm / 1440 lbft at 1000 – 1500 rpm.
Maximum output and torque according ECE R24-03 (ISO 1585).
Air intake on top of the cab at right hand side.

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

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	X	X

CLUTCH

Single type, pulled operation, asbestos free, dry plate, hydraulically operated and pneumatically assisted.
Diameter: 430 mm.

FRONT AXLE

Type: **156N.**
Max. design load: 7500 kg.
I - section axle. Stub axles with needle bearings.
Optional: 152N

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, 4.56, 4.89 and 5.38:1.
Optional:
Type: **HR 1355 T.**
Max. design load: 26000 kg.
Double drive tandem axle with hub reduction and lockable inter axle and axle differentials. Crown wheel and pinion with spiral bevel primary reduction and straight spur hub reduction.
Ratios: 4.05:1, 4.49:1, 4.88:1, 5.48:1 and 6.16:1.

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 air suspension with shock absorbers and stabilizer bar (18,100 kg).
Optional:
Trapezium type leaf springs (with HR 1355T axles only).
Shock absorbers and stabilizer. Axle location with 8 reaction rods.
Spring dimensions: 6 x 1400 x 90 x 26 mm (21000 kg).
6 x 1400 x 90 x 29 mm (21000 kg) reinf. and 26000 kg).

Oscillation limiting cables.
The tandem axle unit is mounted on spring units which pivot on a central trunnion, located by 8 torque rods.

WHEELS AND TYRES

22.5" (10 stud) aluminium wheels with 295 / 80 R 22.5 tubeless radial tyres at front. 11 R 22.5 dual tyres at rear.
Optional:
- **Steel disc wheels.** - **Wheel protection rings.**

STEERING

Type: Hydraulic power steering, with adjustable steering column for rake and height.
Turning circle
WB 3.90 m Between kerbs Between walls
WB 4.55 m 13.60 m 15.10 m
WB 5.00 m 15.30 m 16.80 m
WB 5.55 m 16.50 m 18.00 m
17.90 m 19.45 m
(All given turning circles are under reservation).

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 156N: 430 x 45 mm
Tandem axle Meritor: 420 x 180 mm.
Tandem axle HR 1355 T: 420 x 200 mm.
DAF Engine Brake (DEB)
Air reservoirs: 2 x 36 l + 1 x 20 l.
Emergency/parking brake: Spring brake actuators on front axle and 2nd tandem axle.
Trailer brake connection: 2 Lines.
Optional:
- ABS/ASR. - ZF Intarder.

ELECTRICAL EQUIPMENT

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

TRAILER EQUIPMENT

Two 7-pole connectors for light (12 V + 24 V) and accessories and one 5-pole (12 V) connector for ABS (if applicable). 24 V – 12 V adaptor. Rear light units incorporating direction indicator light, stop light, rear fog 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. - Combi lamps in bumper.
- Steel front bumper with foot hold. - Rear window.
- Corner air deflectors. - Side collars.
- External sun visor. - Electric adjustable main mirrors.
Optional:
- Aluminium roof hatch. - Fixed step.
- Sleeper Cab. - Space Cab.
- Side window (Sleeper Cab). - Aerodynamic aids.
- 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:
- Sleeper cab. - Side window (Sleeper Cab).
- 3rd seat (Day cab). - Aerodynamic aids.
- Various seat options. - 2nd bunk (Sleeper Cab).
- Aluminium roof hatch.

GENERAL EQUIPMENT

Legal Aspects

- Exhaust emission according to Euro III.
- EEC certified noise encapsulation.
- ECE29 cab certification.

Application conditions

- Raised air intake on top of the roof. Set of tools. Heated air dryer.
Optional:
- Various types of PTO. - Air intake behind cab.
- 2 x 430 litre aluminium fuel tank combinations (depending on WB and version).
- Acoustic reversing signal.

MAX. SPEED

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

Ratios, Meritor RT 46 - 160	3.73:1	3.91:1	4.10:1	4.30:1		
16 S 151 / 181	118	112	106	86		
Ratios, HR 1355 T axle	4.05:1	4.49:1	4.88:1	5.48:1	6.16:1	
16 S 181 / 121 (13.80 - 0.84:1)	112	101	93	83	74	

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

DAF Trucks Australia

A DIVISION OF **PACCAR AUSTRALIA PTY LTD**
ACN 004 669 667 ABN 43 004 669 667

355 Fitzgerald Road, Derrimut
Victoria 3030 Australia
Telephone: (03) 9396 9100 Fax: (03) 9396 9140

The vehicle depicted in this publication is for illustrative purposes only and may include some non standard items. DAF Trucks Australia reserves the right to change these specifications without notice.