



## Truck Chassis 8x4

### Series

**FAD CF85.340    FAD CF85.380**

**FAD CF85.430**

**GVM max. 30000 kg<sup>2)</sup>**

Engine : XE 250 / 280 / 315 Euro III version

Gross Combination Mass<sup>1)</sup> : up to 50000 kg

### Weights in Kilograms

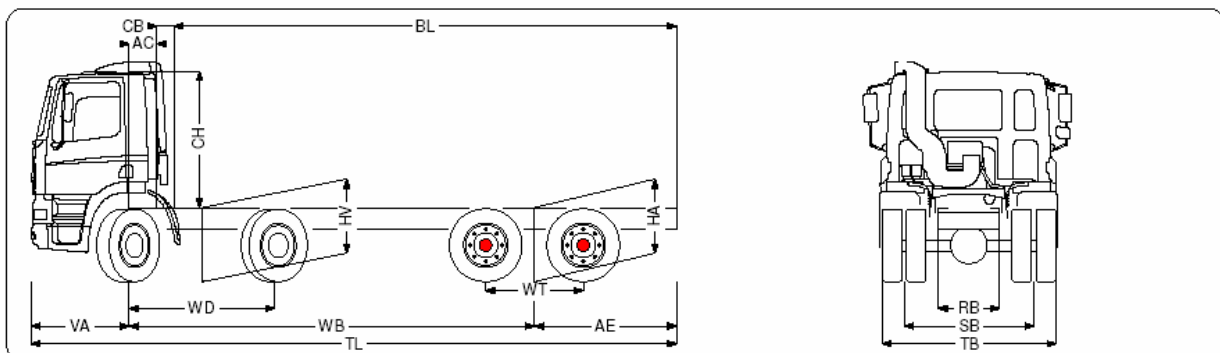
Model	Gross Design Vehicle Mass <sup>2)</sup>			Chassis and Cab Weight		
	Front	Rear	Total	Front	Rear	Total
<b>Day Cab</b>						
FAD CF85...570	11000	16500	27500	5960	2640	8600
FAD CF85...640	11000	16500	27500	6070	2780	8850

**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 with lockable differential, 156N front axles, 310mm chassis height, parabolic type springs at front, Airglide 200 at rear, shock absorbers and stabilizer at front, 1 x 340 litre aluminium fuel tank, 295 / 80 R 22.5 tyres to steer and spare, 11 R 22.5 drive tyres, closing cross member. All further equipment mentioned as standard.

**Note:** Chassis / cab weight with Sleeper Cab plus 110 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 <sup>3)</sup>	BL <sup>4)</sup>	CH <sup>5)</sup>	HV <sup>6)</sup>	HA <sup>7)</sup>	WD	WT	RB	SB	TB
<b>Day Cab</b>														
5.70	9.08	1.38	2.00	0.39	0.24	8.45	1.91	1.09	1.06	2.00	1.40	0.86	1.82	2.49
6.40	11.48	1.38	3.70	0.39	0.24	9.47	1.91	1.09	1.06	2.00	1.40	0.86	1.82	2.49
<b>Sleeper Cab</b>														
5.70	9.08	1.38	1.65	0.82	0.24	8.02	1.91	1.09	1.06	2.00	1.40	0.86	1.82	2.49
6.40	11.48	1.38	3.70	0.82	0.24	9.04	1.91	1.09	1.06	2.00	1.40	0.86	1.82	2.49
<b>Space Cab</b>														
5.70	9.08	1.38	1.65	0.82	0.24	8.02	2.64	1.09	1.06	2.00	1.40	0.86	1.82	2.49
6.40	11.48	1.38	3.70	0.82	0.24	9.04	2.64	1.09	1.06	2.00	1.40	0.86	1.82	2.49



- |  |  |
|--|--|
| <p>1) Restrictions due to legal regulations and area of application as well as driveline specification have not been taken into account.</p> <p>2) GVM based on current regulations.</p> <p>3) CB with cyclonic filter: 0.20 m, with vertical tailpipe: 0.24 m.</p> <p>4) BL dimensions calculated on chassis dimensions. For exact body lengths refer to TOPEC calculation.</p> | <p>5) CH with air intake on cab roof: + 0.14 m, with Space Cab: + 0.68 m.</p> <p>6) Laden height at centre of front axle.</p> <p>7) Laden height at centre of rear axle.</p> <p>8) HR1355T axles WT = 1.40, RB = 0.79.</p> |
|--|--|

## 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 lbf at 1000 – 1500 rpm.  
**Type:** XE 280 C Euro III.  
Max. output: 280 kW / 380 hp at 1900 rpm.  
Max. torque: 1750 Nm / 1290 lbf at 1000 – 1500 rpm.  
**Type:** XE 315 C Euro III.  
Max. output: 315 kW / 430 hp at 1900rpm.  
Max. torque: 1950 Nm / 1440 lbf 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 and cross members.

340-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 181:** 4-speed main gearbox with range-change group giving 8 speeds.

**16 S 151 / 181 / 221:** 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
16 S 151 (13.86 - 0.84)	X	-	-
8 S 181 (13.80 - 1.00)	X	X	X
16 S 181 (13.80 - 0.84)	-	X	X
16 S 221 (13.86 - 0.84)	-	-	-
12 AS 2130 (12.33 - 0.78)	-	X	x

## CLUTCH

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

Diameter: 430 mm.

## FRONT AXLE

**Type:** 152N.

Max. design load: 7500 kg

I-section axle. Stub axles with needle bearings.

**Optional:** 156N

## REAR AXLES

**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 (18100 kg) air suspension with shock absorbers and stabilizer bars. Aluminium pedestals.

**Optional:**

Trapezium type leaf springs (with HR 1355T axles only). Spring travel limiting cables. Axle location with 8 reaction rods.

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 Between kerbs Between walls

WB 5.70 m 20.15 m 21.50 m

WB 6.40 m 22.15 m 23.55 m

(All given turning circles are under reservation).

## BRAKE SYSTEM

Dual circuit air operated disc brakes at front and drum brakes at rear, wear indicators at front. DAF engine brake (DEB). Asbestos free brake pads.

Pneumatically operated exhaust brake.

Parking brake by means of spring brake actuators at second front and second rear axle.

**Optional:**

- ABS.
- ASR.

## ELECTRICAL EQUIPMENT

Voltage 24 V

Alternator 80 A

Batteries 2 x 175 Ah

**Optional:**

- 225 Ah batteries - 2 x 140 Ah batteries (RHD)
- 100 A alternator

## TRAILER EQUIPMENT

One 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, 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.

- Steel front bumper with foot hold.

- External sun visor.

- Electric adjustable main mirrors. - Rear window.

- Corner air deflectors. - Side collars.

- Vehicle immobiliser.

**Optional:**

- Sleeper Cab. - Space Cab.

- Aluminium roof hatch. - Tinted glass.

- Side window on sleeper cab. - Non-translucent roof hatch.

- Alarm. - Hazard beacon lights.

- 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. Mechanical gear shift system.

Adjustable air suspended driver seat and fixed co-driver seat with head restraint. Various storage facilities. Wood structure dashboard finish.

Electric window openers, air conditioning and cruise control. 4 spoke, soft grip steering wheel.

**Optional:**

- Various driver/co-driver seats. - Integrated 3-point safety belt.

- 3<sup>rd</sup> seat (Day Cab). - 2<sup>nd</sup> bunk on Sleeper Cab and

- Audio equipment. - Space Cab.

- Auxiliary heater. - Mechanical or electrical remote

- Leather finish steering wheel. - controlled door lock.

## 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.

**Optional:**

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

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

- Acoustic reversing signal. - Moisture separator.

## MAX. SPEED

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

Ratios, Meritor RT46-160 3.73:1 3.91:1 4.10:1 4.30:1

16 S 151 / 181 118 112 107 96

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.

---

**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) 9721 1600 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.

FAD 85 08/04