

Truck Chassis 4x2

Series

FA LF45...E12

GVM max. 12000kg

Engine : CE 162 C

Gross Combination Mass¹⁾ : up to 15500 kg

Weights in Kilograms

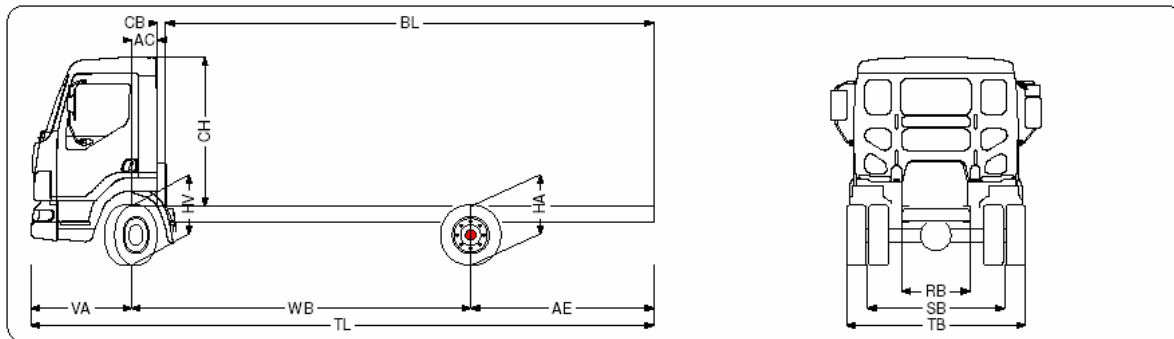
Model	Gross Design Vehicle Mass ¹⁾			Chassis and Cab Weight			Total
	Front	Rear	Total	WB	Front	Rear	
Day Cab							
FA LF45...E12-315	4500	8500	12000	3150	2425	1075	3500
FA LF45...E12-355	4500	8500	12000	3500	2430	1095	3525
FA LF45...E12-390	4500	8500	12000	3900	2430	1120	3550
FA LF45...E12-430	4500	8500	12000	4300	2430	1145	3575
FA LF45...E12-465	4500	8500	12000	4650	2435	1180	3615
FA LF45...E12-500	4500	8500	12000	5000	2435	1200	3635
FA LF45...E12-540	4500	8500	12000	5400	2435	1205	3640

Chassis and Cab Weight calculated with: F213 tilt Day Cab, with coil suspension, CE 162 C engine, 6 S 850 gearbox, F48 front axle, SR 8.20 rear axle, parabolic type springs with shock absorbers and stabiliser at front and rear, 168 litre fuel steel tank (empty), 245 / 70 R 17.5 tyres. All further equipment mentioned as standard.

Note: Chassis / cab weight with Sleeper Cab plus 155 kg at front. Exact weights depending on cab and vehicle specification.

Dimensions in metres

WB	TL	VA	AE	AC	CB ²⁾	BL ³⁾	CH	HV ⁴⁾	HA ⁵⁾	HA ⁶⁾	RB	SB	TB
Day Cab													
3.15	6.05	1.28	1.62	0.33	0.24	4.20	1.89	0.71	0.75	0.77	0.86	1.74	2.28
3.55	6.70	1.28	1.87	0.33	0.24	4.85	1.89	0.71	0.75	0.77	0.86	1.74	2.28
3.90	7.30	1.28	2.12	0.33	0.24	5.45	1.89	0.71	0.75	0.77	0.86	1.74	2.28
4.30	7.90	1.28	2.32	0.33	0.24	6.05	1.89	0.71	0.75	0.77	0.86	1.74	2.28
4.65	8.58	1.28	2.65	0.33	0.24	6.73	1.89	0.71	0.75	0.77	0.86	1.74	2.28
5.00	9.00	1.28	2.72	0.33	0.24	7.15	1.89	0.71	0.75	0.77	0.86	1.74	2.28
5.40	9.00	1.28	2.32	0.33	0.24	7.15	1.89	0.71	0.75	0.77	0.86	1.74	2.28
Sleeper Cab													
3.15	6.05	1.28	1.62	0.73	0.24	3.80	1.89	0.71	0.75	0.77	0.86	1.74	2.28
3.55	6.70	1.28	1.87	0.73	0.24	4.45	1.89	0.71	0.75	0.77	0.86	1.74	2.28
3.90	7.30	1.28	2.12	0.73	0.24	5.05	1.89	0.71	0.75	0.77	0.86	1.74	2.28
4.30	7.90	1.28	2.32	0.73	0.24	5.65	1.89	0.71	0.75	0.77	0.86	1.74	2.28
4.65	8.58	1.28	2.65	0.73	0.24	6.33	1.89	0.71	0.75	0.77	0.86	1.74	2.28
5.00	9.00	1.28	2.72	0.73	0.24	6.75	1.89	0.71	0.75	0.77	0.86	1.74	2.28
5.40	9.00	1.28	2.32	0.73	0.24	6.75	1.89	0.71	0.75	0.77	0.86	1.74	2.28



- 1) Restrictions due to legal regulations and area of application as well as driveline specification have not been taken into account.
- 2) CB with cyclonic filter: 0.20 m, with vertical tailpipe: 0.24 m.
- 3) BL dimensions calculated on chassis dimension. For exact body lengths refer to TOPEC calculation.
- 4) Laden height at centre of front axle.
- 5) Laden height at centre of rear axle.
- 6) Laden height at centre of rear axle with air suspension.

ENGINE

General:	6 cylinder CE version				
Piston displacement:	5.9 litres				
Compression ratio:	17.3 to 1				
Fuel injection:	Common rail system				
Type	Maximum output			Maximum torque	
	kW	hp	rpm	Nm	rpm
CE 162 C	162	220	2500	820	1200 – 1700

CHASSIS

Completely flat-topped ladder type chassis frame. Riveted and bolted construction of channel-section main frame members and cross members.

168-litre steel fuel tank.

Horizontal line type exhaust silencer inside the chassis frame with vertical tailpipe. Spare wheel carrier with winch.

Dimensions main frame members: 192 x 66.5 x 4.5 mm

GEARBOX

6 S 850, 6 Speed synchromesh gearbox.

Gearbox / Engine / SR 8.20 axle	162
6 S 850 (6.72 - 0.79)	X

CLUTCH

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

Diameter: 395 mm

FRONT AXLE

Type: F48
Max. design load: 4500 kg
I-section axle. Stub axle with needle bearings.

REAR AXLES

Type: SR 8.20
Max. design load: 8500 kg
Single reduction driven axle.

Optional:

- Lockable differential.

FRONT SUSPENSION

Parabolic type leaf springs with swinging shackles at rear. Maintenance free construction including shock absorbers and stabilizer.

REAR SUSPENSION

Parabolic type leaf springs (8500 kg) with sliding ends at rear.

Optional:

- 2-bag air suspension.

WHEELS AND TYRES

17.5" x 6.75 (8 stud) steel disc wheels, with 245 / 70 R 17.5 tubeless radial tyres at front and rear. Twin wheels at rear. Spare wheel with tyre.

STEERING

Turning circle (245 / 70 R 17.5)	Between kerbs	Between walls
WB 3.15 m	10.60 m	12.20 m
WB 3.55 m	11.60 m	13.20 m
WB 3.90 m	12.40 m	14.00 m
WB 4.30 m	13.40 m	15.00 m
WB 4.65 m	14.30 m	15.90 m
WB 5.00 m	15.10 m	16.80 m
WB 5.40 m	16.10 m	17.80 m

(All given turning circles are under reservation).

BRAKE SYSTEM

Dual-circuit air operated disc brakes at front and rear. ABS and asbestos free brake pads.

Brake dimension: front / rear 330 x 34 mm discs
Parking brake: by means of spring brake actuators on rear axle.

Optional:

- Pneumatic operated exhaust brake. - ASR.

ELECTRICAL EQUIPMENT

Voltage:	24 V
Alternator:	80 A
Batteries:	2 x 125 Ah

CAB EXTERIOR

- F213 tilt Day Cab with 4 point maintenance free suspension, hydraulic tilting gear. Tilting angle 55°.
- Heated main and wide angle mirrors for body width up to 2.50 m.
- Fixed, illuminated cab steps.
- Steel front bumper with foot hold.
- Cab rear window (Day Cab).

Optional:

- Sleeper Cab. - Roof hatch.
- External sun visor. - Auxiliary lights.
- Electronically adjustable main mirrors.

Aerodynamics:

All cabs with integrated corner air deflectors.

Optional:

- Top and side collars. - Aerodynamic fixed roof spoiler.
- Basic roof spoiler, adjustable height 900 or 1100 mm.
- height between 525 and 775 mm. - FUPS.

Colours:

- Choice of 21 basic solid cab colours and 3 chassis colours.

CAB INTERIOR

Completely equipped instrument panel. Speed limiter. Cruise control. Mechanical gear shift system. Adjustable steering column. Adjustable air suspended driver seat and fixed co-driver seat. Various storage facilities. RHD hydraulic power steering, 2 spoke, soft grip steering wheel. Integrated 3-point safety belt. Headlamp levelling.

Optional:

- Various driver/co-driver seats. - Air conditioning.
- 3rd seat (Day Cab). - Drivers side Air Bag.
- Electric window opener. - Sleeper cab with 1 bunk.

GENERAL EQUIPMENT

Legal aspects

- Exhaust emission according to Euro III.
- EEC certified noise encapsulation CE 162 80Db(A) ISO.
- EC steering certificate.
- ECE 29 cab certification.

Application conditions

- Set of tools.
- Cooling ambient temperature 46 degrees.
- Air intake behind the cab.
- Acoustic reversing signal.

MAX. SPEED

Theoretical max. speed in km/h at 2500 rpm with 245 / 70 R 17.5 tyres.

Ratios, SR 8.20	3.31	3.73	4.10	4.56	5.13
6.72 - 0.79: 1	-	124	113	101	90

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