

## Truck Chassis 4x2

### Series

### FA LF55...E15

### GVM max. 16000kg<sup>1)</sup>

Engine : CE 162 C / CE 184 C

Gross Combination Mass<sup>1)</sup> : up to 24000 kg

#### Weights in Kilograms

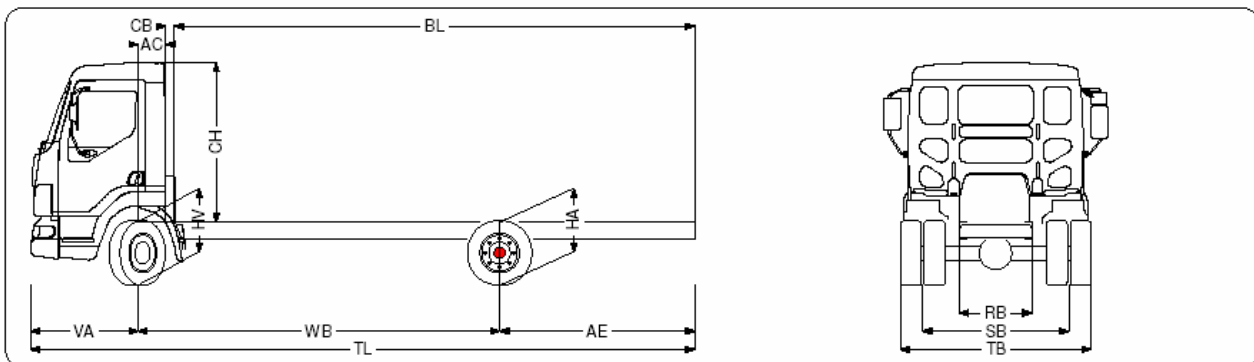
Model	Gross Design Vehicle Mass <sup>1)</sup>			Chassis and Cab Weight			
	Front	Rear	Total	WB	Front	Rear	Total
<b>Day Cab</b>							
FA LF55...E15-325	6000	10500	16500	3250	2900	1315	4215
FA LF55...E15-350	6000	10500	16500	3500	2900	1370	4270
FA LF55...E15-380	6000	10500	16500	3800	2890	1425	4315
FA LF55...E15-420	6000	10500	16500	4200	2895	1505	4400
FA LF55...E15-450	6000	10500	16500	4500	2895	1520	4415
FA LF55...E15-480	6000	10500	16500	4800	2895	1540	4435
FA LF55...E15-535	6000	10500	16500	5350	2900	1585	4485
FA LF55...E15-590	6000	10500	16500	5900	2905	1613	4517
FA LF55...E15-630	6000	10500	16500	6300	2905	1640	4545

**Chassis and Cab Weight calculated with:** F213 tilt Day Cab, with coil suspension, CE 162 C engine, 6 S 850 gearbox, F60 front axle, SR 10.20 rear axle, parabolic type springs with shock absorbers and stabiliser at front and rear, 325 litre fuel tank (empty), 305 / 70 R 19.5 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 <sup>2)</sup>	BL <sup>3)</sup>	CH	HV <sup>4)</sup>	HA <sup>5)</sup>	HA <sup>6)</sup>	RB	SB	TB
<b>Day Cab</b>													
3.25	6.28	1.33	1.70	0.28	0.24	4.43	1.89	0.82	0.88	0.90	0.79	1.75	2.35
3.50	6.68	1.33	1.85	0.28	0.24	4.83	1.89	0.82	0.88	0.90	0.79	1.75	2.35
3.80	7.16	1.33	2.03	0.28	0.24	5.31	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.20	7.80	1.33	2.27	0.28	0.24	5.95	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.50	8.28	1.33	2.45	0.28	0.24	6.43	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.80	8.76	1.33	2.63	0.28	0.24	6.91	1.89	0.82	0.88	0.90	0.79	1.75	2.35
5.35	9.64	1.33	2.96	0.28	0.24	7.80	1.89	0.82	0.88	0.90	0.79	1.75	2.35
5.90	10.52	1.33	3.29	0.28	0.24	8.67	1.89	0.82	0.88	0.90	0.79	1.75	2.35
6.30	11.16	1.33	3.53	0.28	0.24	9.31	1.89	0.82	0.88	0.90	0.79	1.75	2.35
<b>Sleeper Cab</b>													
3.25	6.28	1.33	1.70	0.68	0.24	4.03	1.89	0.82	0.88	0.90	0.79	1.75	2.35
3.50	6.68	1.33	1.85	0.68	0.24	4.43	1.89	0.82	0.88	0.90	0.79	1.75	2.35
3.80	7.16	1.33	2.03	0.68	0.24	4.91	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.20	7.80	1.33	2.27	0.68	0.24	5.55	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.50	8.28	1.33	2.45	0.68	0.24	6.03	1.89	0.82	0.88	0.90	0.79	1.75	2.35
4.80	8.76	1.33	2.63	0.68	0.24	6.51	1.89	0.82	0.88	0.90	0.79	1.75	2.35
5.35	9.64	1.33	2.96	0.68	0.24	7.40	1.89	0.82	0.88	0.90	0.79	1.75	2.35
5.90	10.52	1.33	3.29	0.68	0.24	8.27	1.89	0.82	0.88	0.90	0.79	1.75	2.35
6.30	11.16	1.33	3.53	0.68	0.24	8.91	1.89	0.82	0.88	0.90	0.79	1.75	2.35



- Restrictions due to legal regulations and area of application as well as drive line specification have not been taken into account.
- CB with Day Cab i.c.w. CE engine: 0.24 m.
- BL dimensions calculated on chassis dimensions. For exact body lengths refer to TOPEC calculation.
- Laden height at centre of front axle.
- Laden height at centre of rear axle.
- 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
CE 184 C	184	250	2500	950	1200 – 1700

Maximum output and torque according ECE R24-03 (ISO 1585).

## CHASSIS

Completely flat-topped ladder type chassis frame. Riveted and bolted construction of channel-section main frame members and cross members. 325-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: 260 x 75 x 6 mm

## GEARBOX

6 S 850, 6 Speed synchromesh gearbox.

FS6309, 4 Speed main gearbox with range-change group and crawler gear, giving 9-speeds.

Gearbox / Engine / SR 10.24 axle	162	184
6 S 850 (6.72 - 0.79)	X	-
FS6309 (12.57 - 1.00)	X	-
MD 3060P (3.49 - 0.75)	X	-
Gearbox / Engine / SR 10.26 axle		
6 S 850 (6.72 - 0.79)	X	-
FS6309 (12.57 - 1.00)	X	X
MD 3060P (3.49 - 0.75)	X	X

## CLUTCH

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

Diameter: 395 mm on CE

## FRONT AXLE

Type: F60  
Max. design load: 6000 kg

## REAR AXLES

Type: SR 10.26  
Max. design load: 10500 kg

Single reduction driven axle.

### Optional:

- Lockable differential on SR 10.26.

## 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 (10500 kg) with sliding ends at rear.

### Optional:

2-Bag air suspension.

## WHEELS AND TYRES

19.5" x 8.25 (8 stud) steel disc wheels, with 305 / 70 R 19.5 tubeless radial tyres at front and rear. Twin wheels at rear. Spare wheel with tyre.

## STEERING

Turning circle (305 / 70 R 19.5)	Between kerbs	Between walls
WB 3.25 m	11.10 m	12.60 m
WB 3.50 m	11.70 m	13.20 m
WB 3.80 m	12.40 m	14.00 m
WB 4.20 m	13.40 m	15.00 m
WB 4.50 m	14.10 m	15.80 m
WB 4.80 m	14.80 m	16.50 m
WB 5.35 m	16.30 m	17.90 m
WB 5.90 m	17.60 m	19.30 m
WB 6.30 m	18.60 m	20.30 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 375 x 45 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. - Immobiliser and alarm.

### Aerodynamics:

All cabs with integrated corner air deflectors.

### Optional:

- Top and side collars. - Aerodynamic fixed roof spoiler, height 900 or 1100 mm.
- Basic roof spoiler, adjustable 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.
- 3<sup>rd</sup> seat (Day Cab). - Electric window opener.
- Drivers side air bag. - Sleeper cab with 1 bunk.
- FUPS.

## GENERAL EQUIPMENT

### Legal aspects

- Exhaust emission according to Euro III.
- EEC certified noise encapsulation CE 162 / 184 80Db(A) ISO.
- EC steering certificate.
- ECE 29 cab certification.

### Application conditions

- Set of tools.
- Cooling ambient temperature 45 degrees.
- Air intake behind cab.
- Acoustic reversing signal.

## MAX. SPEED

Theoretical max. speed in km/h at 2500 rpm with 305 / 70 R 19.5 tyres.

Ratios, SR 10.24	3.31	3.73	4.10	4.56	5.13
6.72 - 0.79: 1	-	-	131	117	104
Direct drive	-	114	104	92	82

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

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