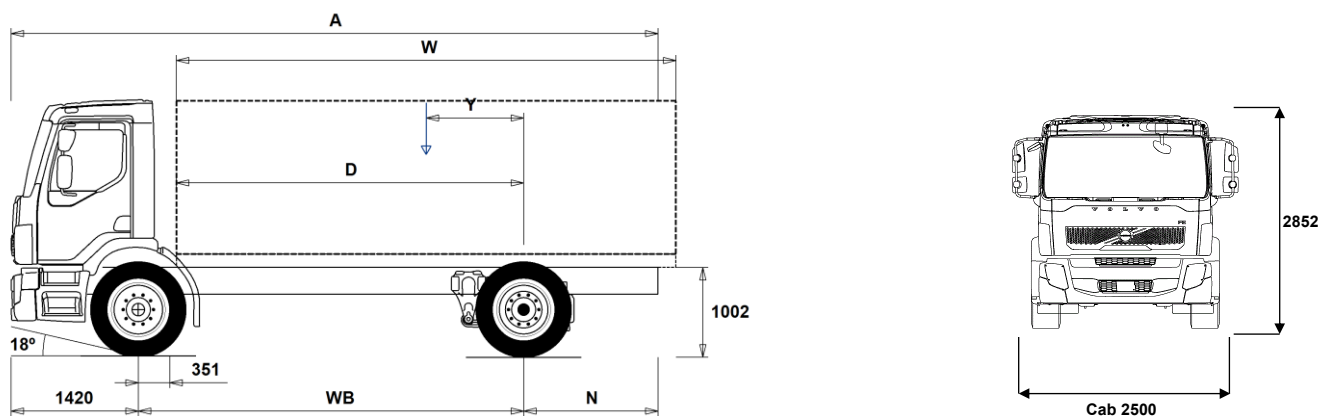


MODEL RANGE

FE 42 Rigid Rear Air, ELECTRIC FE 42 R E



Chassis Dimensions [mm]

WB Wheelbase	3900	4100	4300	4500	4750	5000	5250	5500	5800	6100	6450	6800
A Overall Chassis Length	7360	7560	7760	7960	8210	8460	8710	8960	9260	9560	9910	10260
D Center of rear axle to front of body	3475	3675	3875	4075	4325	4575	4825	5075	5375	5675	6025	6375
N Rear Overhang	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040
Y Center of Gravity for Payload (Min.)	953	985	1016	1049	1089	1130	1174	1214	1267	1311	1367	1422
Y Center of Gravity for Payload (Max.)	953	985	1016	1049	1089	1130	1174	1214	1267	1311	1367	1422
W Body Length (Min.)	5044	5379	5718	6052	6472	6891	7303	7722	8216	8729	9316	9905
W Body Length (Max.)	5044	5379	5718	6052	6472	6891	7303	7722	8216	8729	9316	9905

Chassis Weights [kg]

Front Axle	4765	4830	4895	4940	5000	5050	5075	5115	5140	5200	5240	5280
Rear Axle	3000	2980	2970	2935	2910	2890	2835	2815	2760	2760	2735	2725
Kerb Weight	7765	7810	7865	7875	7910	7940	7910	7930	7900	7960	7975	8005
Payload (including body, driver, fuel, etc.)	13235	13190	13135	13125	13090	13060	13090	13070	13100	13040	13025	12995

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	14100	14700	15300	15900	16700	17500	18200	19000	19900	20800	21900	23000
Turning Circle Diameter Wall to Wall	15500	16100	16700	17300	18100	18900	19600	20400	21300	22300	23300	24400

Plated Weights [kg]

	Design
Gross Vehicle Weight	21000
Gross Combination Weight	21000
Front Axle	8000
Rear Axle	13000

Important Notes

Chassis Dimensions

Front Axle to Back of Cab: +454 mm for CAB-SLP, +249 mm for CAB-SSLP.

D-measure includes a front clearance of 74 mm and for rigid trucks also a subframe of 120 mm.

Height can vary ± 20 mm for leaf and ± 10 mm for air suspension.

All dimensions are for unladen chassis and any tag axles down. Chassis height used: CHH-MED.

Height change when chassis height CHH-HIGH,FRAME300: 0 mm.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres: 315/80R22.5

Drive Axle Tyres: 315/80R22.5

Chassis weight includes oil, water, AdBlue, 0 litres fuel and without driver. Kerb weight can vary $\pm 3\%$.

Turning diameters are theoretically calculated.

Legal weights can differ from country to country.

For more detailed weight information, including optional equipment weights, ask your Volvo sales contact to enter your specification into the Volvo Weight Information system (WIS).

Do NOT use this drawing for bodybuilding. Refer to Volvo Bodybuilder Instructions and chassis assembly drawing FE42RE.

MODEL RANGE

FE 42 Rigid Rear Air, ELECTRIC FE 42 R E

Transport operation

- ☐ **TGW-4G**
- ☐ **FELECFE** Low-entry cab, flat floor, electric
- **RC-SMOOT** Smooth road conditions: at least 95% of the driven distance is on well-maintained or less maintained surfaced roads. Driving may occur on poorly maintained surfaced roads, hard-packed sand, or gravel surfaces of good or bad quality.
- ☐ **GARB-PRE** Refuse vehicle preparation
- ☐ **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- ☐ **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **CHH-MED** Chassis height medium - approx. 900 mm above ground level
- **RAD-KR** Rear air suspension - one axle, driving
- **FE-DAY2** FE Day cab new
- ☐ **FE-SLP2** FE Sleeper cab
- ☐ **FE-SSLP2** FE Comfort cab
- **EMIZERO**
- **RSS1344C** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version C

Packages

- **AUDIODAB** Audio system with DAB radio and DAB amplifier

Chassis

- **FST-AIR** Front air suspension
- ☐ **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **FAL8.0** Front axle load 8.0 tonnes
- ☐ **FAL9.0** Front axle load 9.0 tonnes
- **RAL13** Rear axle load 13 tonnes
- **RSTAB1** Rear anti-roll bar, normal stiffness
- **EBS-MED** EBS (Electronic Braking System), Medium package
- **RST-AIR** Rear air springs
- ☐ **RST-AIR5** Rear air suspension, short
- **ABS**
- **SUSPL-E2** Remote control with wander lead for air suspension levelling, 2 sensors on rear axle
- **FRAME300** Frame rail section external height 300 mm
- **FST7070** Frame thickness - web 7.0 mm / flange 7.0 mm
- ☐ **FST8080** Frame thickness - web 8.0 mm / flange 8.0 mm
- **2BATT170** Batteries, 2x170 Ah
- ☐ **WHC-FIX1** One non-collapsible wheel chock
- ☐ **WHC-FIX2** Two non-collapsible wheel chocks
- **RFEC-S** Straight-cut rear frame end
- ☐ **RFEND-B** Rear 3-piece mudguards (anti-spray) on all rear axles
- ☐ **RFEND-T** Transport mudguard
- ☐ **RFH-BAS** Basic mudguard installation height
- ☐ **RFH-HIG** High mudguard installation height
- ☐ **RFH-LOW** Low mudguard installation height
- ☐ **FRACLOS** Frame end closing

Rims and tyres

- **RT-AL** Brushed aluminium rims with standard holes (long stud fixing) on all axles
- ☐ **RT-ALDP** Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles
- ☐ **RT-STEEL** Steel rims on all axles

Cab interior

- **STWPOS-R** Right-hand drive

- ☐ **TAS-DIG** One-day digital tachograph, EC approved (annex 1B regulation)
- **TAS-DIG4** Gen 4 one-day digital tachograph, EC approved (GNSS & DSRC, EU 2020/1054)
- **IMMOBIL** Immobiliser
- ☐ **WARNLAMP** Portable amber and white warning lamp with batteries
- **TSRS2** Road sign recognition (not ISA compliant)
- ☐ **WARNVEST** Reflective vest, fulfils European standard EN 471 class 2
- ☐ **AIDKIT** First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.
- ☐ **AIDKIT1B** First aid kit fulfilling German requirements containing instruction, scissors, triangular cotton bandages, gauze bandages, bandaging cloths, gauze dressings, adhesive bandage, protective gloves, adhesive tape, first aid packets, rescue sheet.
- ☐ **SPDU-R** Dual speed limiter for refuse truck, rear loader
- ☐ **SPDU-S** Dual speed limiter for refuse truck, side loader
- ☐ **SPDU-SR** Dual speed limiter for refuse truck, side and rear loader

CRUISE

Cab exterior

- ☐ **RCABS-A** Air rear cab suspension
- **RCABS-M** Mechanical rear cab suspension
- ☐ **AD-ROOFA** Adjustable roof air deflector
- ☐ **AD-SIDES** Cab side air deflectors, short
- ☐ **HL-CLEAN** High-pressure headlamp cleaner
- **HL-ADJ** Manually adjustable headlamp beam
- ☐ **DRL-LED** Daytime running lamps (LED)
- ☐ **BEACON-P** Preparation kit for roof beacons
- ☐ **BEACONA2** Two amber LED beacons on cab front roof
- **HORN-F1S** Single-tone Jericho horn behind grille, operated by steering wheel buttons
- ☐ **HORN-R2S** Two chromed single-tone air horns on the roof, operated by steering wheel buttons

Superstructure preparations

- ☐ **FRFS-BS** Frame rail free space on both sides to give space for crane legs or other equipment
- ☐ **FBA-BTF** Front body attachment brackets, lower, for flexible body
- ☐ **FBA-BTSF** Front body attachment brackets, lower, for semi-flexible body
- ☐ **RBA-T2** Rear body attachment brackets, lower
- ☐ **HBA-FSFB** Holes for body attachments, flexible/semi-flexible body
- **HBA-SB** Holes for body attachments, stiff body
- ☐ **TAILPREP** Tail lift preparation kit

Services

- ☐ **DRUT3** My Truck service/app (remote vehicle status, alerts and control), 3-year prepaid subscription

■ Standard Equipment ☐ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

For all possible options and combinations of options please consult your Volvo sales contact who can create a specification to match your requirements using the Volvo Sales Support system (VSS).

The factory reserves the right to modify design and change equipment without previous notification. The specification can vary from country to country.

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