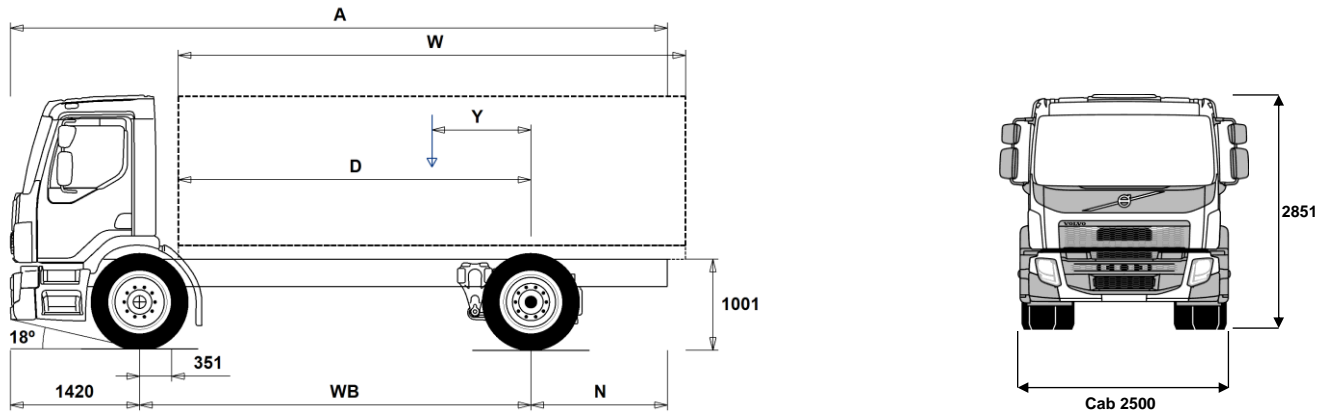


MODEL RANGE

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.)	-17	-50	-87	-116	-156	-197	-225	-263	-296	-356	-411	-470
Y Center of Gravity for Payload (Max.)	1186	1220	1253	1288	1330	1373	1419	1462	1518	1563	1622	1680
W Body Length (Min.)	4579	4909	5243	5574	5989	6404	6812	7226	7715	8224	8806	9390
W Body Length (Max.)	5815	6135	6455	6775	7175	7575	7975	8375	8855	9335	9895	10155

Chassis Weights [kg]

Front Axle	5045	5120	5195	5250	5315	5375	5410	5455	5490	5555	5605	5655
Rear Axle	3230	3200	3180	3140	3100	3070	3010	2975	2915	2910	2875	2855
Kerb Weight	8275	8320	8375	8390	8415	8445	8420	8430	8405	8465	8480	8510
Payload (including body, driver, fuel, etc.)	9725	9680	9625	9610	9585	9555	9580	9570	9595	9535	9520	9490

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]

Gross Vehicle Weight	18000
Gross Combination Weight	21000
Front Axle	8000
Rear Axle	13000

Design

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 ± 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

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Transport operation

- TGW-4G** Telematics gateway with 4G modem
- FELECFE** Low entry cab flat floor diesel
- RC-SMOOT** The truck is optimised to suit the type of road the truck is going to be used on. Using the Road Condition parameter facilitates specification of frame thickness, suspension and other features.
- For long-haul driving on well-maintained and less well-maintained surfaced roads
- GARB-PRE** Garbage 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, 1 axle - 1 driven (K-ride)
- CAB-DAY** Day cab
- CAB-SLP** Sleeper cab
- CAB-SSLP** Comfort cab
- EMIZERO** EMISSION LEVEL ZERO
- RSS1344C** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version C

Packages

- DRIVEFE** Driver convenience package FE
- VISIFE** Visibility package FE - Optimizing the drivers field of vision around the cab
- AIRFLOW** Airflow package FL - Includes adjustable roof spoiler, side deflector and sun visor
- AUDIODAB** Audio System DAB

Chassis

- FST-AIR** Front air suspension
- FST-PAR** 2 leaf front parabolic suspension (normal stiffness)
- FAL8.0** Front axle design capacity 8.0 tonnes
- FAL9.0** Front axle load 9.0 tonnes
- RAL13** Rear axle design capacity 13 tonnes
- RSTAB1** Rear stabilizer with normal stiffness
- EBS-MED** EBS (Electronic Brake System) medium package incl. traction control system (TCS) and hill start aid
- RST-AIR** Rear air suspension
- RST-AIR5** Rear air suspension, short
- ABS** Lock free brakes
- SUSPL-E2** Remote control on wander-lead for air suspension levelling with 2 sensors on rear axle
- FRAME300** Frame rail section external height 300 mm
- FST7070** Frame section thickness - web 7.0 mm / flange 7.0 mm
- FST8080** Frame section thickness - web 8.0 mm / flange 8.0 mm
- 2BATT170** Batteries 2x170 Ah
- WHC-FIX1** One fixed wheel chock
- WHC-FIX2** Two fixed wheel chocks
- RFEC-S** Rear frame end, straight cut (for regular platform applications)
- RFEND-B** Rear axle 3 piece fenders with anti-spray function
- RFEND-T** Transport mounted one-piece rear fenders, only for Jockey transport
- RFH-BAS** Optimal rear fender installation with regard to legal demands, wheel/tyre sizes, chassis height and fifth wheel height.
- RFH-HIG** Highest fender installation - suitable for rough road conditions

- RFH-LOW** Lower rear fender installation - suitable only for smooth road conditions
- FRACLOS** Frame end closing
- 2024GSR** General safety regulations 2024

Rims and tyres

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

Cab interior

- STWPOS-L** Left hand drive
- STWPOS-R** Right hand drive
- TAS-DIG4** version 2, one day digital tachograph, EC approved according to EU regulation 2020/1054
- IMMOBIL** Immobiliser
- WARNLAMP** The portable warning lamp can be set out in the event of unplanned standstills and alerts other road users to be careful. It serves as hazard lights, producing either a flashing amber light or a steady white beam which can be adjusted from the rear of the lamp unit. The lamp is equipped with two 6 volt 2.4 watt bulbs and is supplied with five D-size batteries.
- ALARM-B** Burglar alarm - cab
- WARNVEST** Warning vest. Fulfils European standard according to 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 rear refuse body steps
- SPDU-S** Dual speed limiter for side loader refuse vehicle
- SPDU-SR** Dual speed limiter for side and rear loader refuse vehicle
- CRUISEC** Cruise control with switches in the steering wheel

Cab exterior

- RCABS-A** Air rear cab suspension
- RCABS-M** Mechanical rear cab suspension
- AD-ROOFA** Adjustable roof air deflector
- AD-SIDES** Short cab side air deflectors
- HL-CLEAN** High pressure headlamp cleaner
- HL-ADJ** Adjustable headlamps to adjust the height of the light beam
- DRL-LED** V-shaped ("V-light") day running light (LED). Turned on low beam gives a dimmed "V-light".
- BEACON-P** Roof beacon lights wire preparation (two cable pass throughs)
- BEACONA2** 2 amber beacon, roof mounted warning lamps
- HORN-F1S** One front mounted (behind grille) single tone air horn, Jericho. Operated by steering wheel buttons.
- HORN-R2S** Two roof mounted single tone chromed air horns

Superstructure preparations

- FBA-BTF** Front body attachments for flexible body
- FBA-BTSF** Front body attachments for semi-flexible body
- RBA-T2** Rear body attachments, divided
- HBA-FSFB** Holes for body attachments, flexible/semi-flexible body
- HBA-SB** Holes for body attachments, stiff body
- TAILPREP** Tail lift preparation kit

Services

- 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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- **DRUT1** My Truck connects the vehicle to the smartphone app, 1 year prepaid subscription
- **DRUT2** My Truck connects the vehicle to the smartphone app, 2 year prepaid subscription
- **DRUT3** My Truck connects the vehicle to the smartphone app, 3 year prepaid subscription
- **DRUT4** My Truck connects the vehicle to the smartphone app, 4 year prepaid subscription
- **DRUT5** My Truck connects the vehicle to the smartphone app, 5 year prepaid subscription
- **WVTA** Whole Vehicle Type Approved