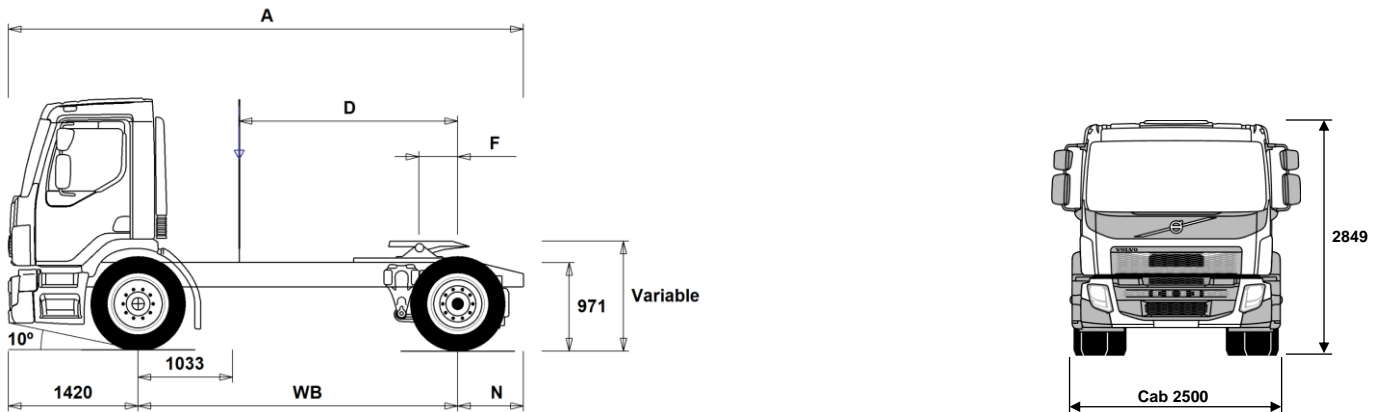


MODEL RANGE



Volvo Trucks. Driving Progress

FE818 4x2 Tractor 18 tonne - Rear Air Suspension FE 42 T A



Chassis Dimensions [mm]

WB Wheelbase	3500	3700	3900
A Overall Chassis Length	5640	5840	6040
D Center of rear axle to back of cab	2393	2593	2793
N Rear Overhang (Min.)	-5	-5	-5
N Rear Overhang (Max.)	720	720	720
F Fifth Wheel Position (EC Directive 96/53)	425	425	425

Chassis Weights [kg]

Front Axle	3960	3955	3955
Rear Axle	1775	1790	1805
Kerb Weight	5735	5745	5760

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	12800	13400	14100
Turning Circle Diameter Wall to Wall	14200	14900	15500

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	18000	18000
Gross Combination Weight	32000	32000
Front Axle	7100	7100
Rear Axle	11500	13000

Important Notes

Chassis Dimensions

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.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres:	295/80R22.5
Drive Axle Tyres:	295/80R22.5

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 FE42TA.

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TRUCK USE

- **TGW-4G** GSM/GPRS/4G modem, WLAN for telematics gateway
- **RC-SMOOT** Operating class highway
- **UNIFORM** Basic platform vehicle

CORE COMPONENTS

- **CHH-MED** Chassis height medium - For a specific loading height always check the unique BEP chassis drawing
- **RAD-KR** Two bag rear air suspension
- **EU6SCR** Emission level - Euro 6
- **D8K280** D8K280 six cylinder 7.7 litre engine developing 280hp at 2100rpm.
Peak torque 1050Nm at 950-1700rpm.
- **D8K320** D8K320 six cylinder 7.7 litre engine developing 320hp at 2100rpm.
Peak torque 1200Nm at 1050-1600rpm.
- **D8K350** D8K350 six cylinder 7.7 litre engine developing 350hp at 2100rpm.
Peak torque 1400Nm at 1200-1600rpm.
- **EBR-CEB** Exhaust brake producing 170kW at 2800rpm controlled by steering column switch
- **EBR-EPG** Exhaust brake producing 120kW at 2800rpm controlled by steering column switch
- **AT2412F** AT2412F 12-speed "I-shift" automated mechanical gearbox suitable for gross train weights up to 44tonne only refer to sales engineering when used in conjunction with a PTO
- **ZTO1006** 6-speed overdrive gearbox
- **ZTO1109** 9-speed range change overdrive gearbox
- **RSS1344C** RS1344C single reduction rear axle - design GCW 44tonne with differential lock
- **RSS1344D** RS1344C single reduction rear axle - design GCW 44tonne with differential lock
- **RSS1344E** RSS1344E single reduction rear axle with differential lock - design GCW 44tonne

Packages

- **DRIVEFE** NEW drive package FE
- **VISIFE** NEW visibility package FE
- **AIRFLOW** NEW airflow package
- **FUELFE** NEW Fuel package FE
- **AUDIODAB**
- **AUDIOPD**

CHASSIS

- **FST-PAR** Parabolic front springs
- **FAL7.1** Front axle design capacity 7.1 tonnes
- **FAL7.5** Front axle design capacity 7.5 tonnes
- **FAL8.0** Front axle design capacity 8.0 tonnes - Ensure that you have checked the tyre load index
- **FAL9.0** Front axle design capacity 9.0 tonnes - Ensure that you have checked the tyre load index
- **RAL13** Rear axle design capacity 13 tonnes
- **RSTAB1** Rear anti-roll bar
- **EBS-MED** EBS+ package including traction control & hill hold
- **EBS-STD** EBS standard package without traction control
- **RST-AIR** Rear air suspension
- **ABS** Anti lock brakes
- **SUSPL-E1** Remote control on wander-lead for air suspension leveling
- **SUSPL-E2** Integral dash switches for air suspension leveling control
- **SUSPL-E3** Remote control on wander-lead for air suspension leveling
- **SUSPL-E4** Integral dash switches for air suspension leveling control
- **FRAME266** Frame rail section external height 266 mm

- 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.

- **FST7070** Frame thickness 7mm
- **2BATT170** 2 x 170 Ah capacity batteries on left hand side
- **2BATT225** 2 x 225 Ah capacity batteries on left hand side
- **ADR2** ADR package for transportation of dangerous goods on road (Note does NOT include safe loading pass package if required this is quoted separately)
- **R220A56** 220 litre right hand aluminium 560 mm D-shaped fuel tank
Min volume 160l
Max volume 405l
- **UL-FUEL** Without left fuel tank
- **ADTP-R** AdBlue tank on right hand side
- **WHC-FIX1** One wheel chock
- **WHC-FIX2** Two wheel chocks
- **TB-L33** Toolbox 330 x 330 mm on the left side
- **TB-L75** Toolbox 754 mm on the left side
- **RFEC-B** Rear frame end, bent down - standard for tractor vehicles
- **TOWR-ONE** Towing hitch attached to rear crossmember
- **TBC-EC** Palm coupling type air line connectors
- **TBC-GBR** 'C' and 'CA' type air line connectors
- **TRBR-STA** Stationary trailer brake control
- **RFEND-B** Three piece rear mudwings
- **RFH-103** Quarter rear wing
- **RFH-BAS** Basic rear wing height
- **RFH-HIG** High rear wing height - higher wing tops
- **RFH-LOW** Lower rear wing height - shallower wing tops
- **ATANK-AL** Aluminium air tanks
- **ATANK-ST** Steel air tanks

WHEELS & TYRES

- **RT-AL** Alcoa brushed aluminium rims with standard holes for long stud fixing on all axles
- **RT-ALDP** Alcoa Dura-Bright aluminium rims with standard holes long stud fixing on all axles, requires cleaning with a ph neutral solution - washing up liquid.
- **RT-ALP** Polished aluminium rims with standard holes (long stud fixing) on all axles
- **RT-STEEL** Steel rims on all axles
- **SPWT-F** Spare wheel & tyre with front tyre pattern
- **SWCP-T** Spare wheel supplied temporarily strapped to chassis
- **SWCP-TP** Spare wheel transport mounted on frame, (spare wheel carrier not included)

DRIVELINE EQUIPMENT

- **TP-BAS** I-shift software - basic
- **TP-DICON** I-shift software - Distribution and Construction
- **TP-FUEC** I-shift software - Fuel & economy
- **APF-ENH** I-shift enhanced PTO functions
- **APF-ENH2** I-shift enhanced PTO functions on service brake
- **CS39A-O** Single plate 395mm (16") clutch
- **CS43B-O** Single plate 430mm (17") clutch
- **TC-MWO** Basic transmission oil cooler - water to oil
- **AIRIN-HI** High air intake behind cab on left hand side
- **AIRIN-RL** Chassis mounted mounted behind cab on right hand side
- **ACL1ST-S** Air filter with secondary filter element
- **24AL110B** 110 amp alternator
- **CCV-C** Closed crankcase ventilation
- **CCV-OX** Open crankcase ventilation with oil separator and a maintenance free gas centrifuge
- **AF-E** Auxiliary fuel filter, electrically heated
- **EST-AID** Engine start preheating element

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- 220EBH08** Engine block heater, 220V/0.8kW
- PTER-100** Rear engine mounted power-take-off with DIN 7476 flange
- PTER-DIN** Rear engine mounted PTO with DIN5462 (female) splined shaft for a close coupled pump
- PTER1400** Rear engine mounted power-take-off with SAE 1410 flange
- PTR-FH1** Rear PTO Gearbox S81 flange DIN connection
- PTR-FH2** Rear PTO Gearbox S84 flange DIN connection
- PTR-FH5** Rear PTO Gearbox S88 flange DIN connection
- PTR-PH1** Rear PTO Gearbox S81 pump DIN connection
- PTR-PH2** Rear PTO Gearbox S84 pump DIN connection
- PTR-PH4** Rear PTO Gearbox S88 pump DIN connection
- PTR-PK** Electrical and solenoid prep kit for gearbox PTO
- PTR-ZF2** Rear Power Take Off flange DIN connection
- PTR-ZF4** Rear PTO Gearbox 320Nm flange connection
- PTR-ZF5** Rear PTO Gearbox 320Nm pump connection
- PTRD-D1D** PTO for I shift with twin outputs - flange (550 Nm) and pump connection (1000 Nm)
- PTRA-PH1** Add PTO for 9sp box twin S81 pump conn
- PTRA-PH2** Add PTO for 9sp box twin S84 pump conn
- HPG-F101** Gearbox mounted hydraulic pump F1-101, fixed displacement, single flow.
- HPG-F41** Gearbox mounted hydraulic pump F1-41, fixed displacement, single flow.
- HPG-F51** Gearbox mounted hydraulic pump F1-51, fixed displacement, single flow.
- HPG-F61** Gearbox mounted hydraulic pump F1-61, fixed displacement, single flow.
- HPG-F81** Gearbox mounted hydraulic pump F1-81, fixed displacement, single flow.
- ETC** Electronic throttle control - dash mounted switch for PTO speed control
- FLAMEPR** Flame protection in the exhaust system

CAB INTERIOR

- STWPOS-L** LEFT HAND DRIVE
- STWPOS-R** RIGHT HAND DRIVE
- IMMOBIL** Immobiliser
- WARNLAMP** Portable warning lamp
- ALARM-B** Vehicle alarm - cab only
- WARNVEST** High visibility warning vest - no sleeves
- AIDKIT** First aid kit - Legal demand for EU markets including delivery to EU bodybuilder
- AIDKIT1B**
- CRUIS-E2** Cruise control for I shift Eco Roll
- CRUISEC** Cruise control with switches in the steering wheel

CAB EXTERIOR

- AUXFS** Extra foot step on both sides
- RCABS-A** Rear cab suspension - Air
- RCABS-M** Rear cab suspension - Mechanical spring
- AD-ROOF** Fixed cab roof air deflector - not adjustable
- AD-ROOFA** Adjustable roof deflector with 12 positions
- AD-SIDES** Cab side air deflector, short extension panels.
- HL-CLEAN** Head lamp cleaner jet
- HL-ADJ** Adjustable headlights with switch in the cab
- DRL-LED** V-shaped day time running lights
- BEACON-P** Beacon preparation
- BEACONA2** Two amber beacons directly mounted to cab roof
- HORN-F1S** Single tone air horn chassis mounted
- HORN-R2S** Two roof mounted air horns

SUPERSTRUCTURE PREPARATIONS

- 5WM-ISOL**

- 5WH150**
- 5WH185**
- 5WT-FO14**
- 5WT-FO15**
- 5WT-JO10**
- 5WT-JO9**
- 5WT-SH**
- 5WLM-B**
- 5WLM-L**
- RDECK**
- RDECK-M**
- WL-TA1A**
- WL-TA1W**

DELIVERY SERVICES

- WVTA** Whole Vehicle Type Approved - MANDATORY for standard truck

VOLVO

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