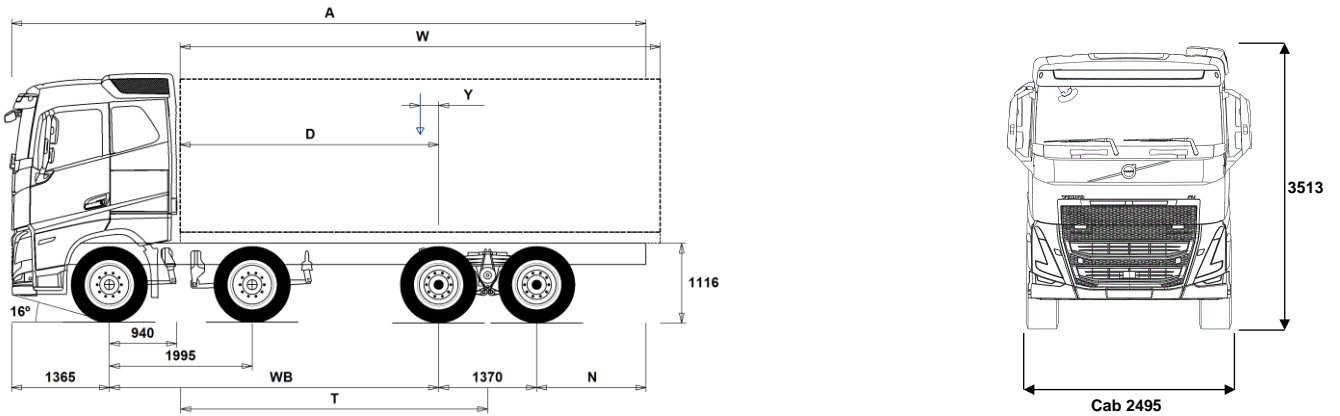


MODEL RANGE

New FH13 8x4 Rigid Leaf Suspension FH 84RF 3L



Chassis Dimensions [mm]

WB Wheelbase	4600	5100
A Overall Chassis Length	9860	10660
D Center of rear axle to front of body	3610	4110
N Rear Overhang (Min.)	825	715
N Rear Overhang (Max.)	2525	2825
T Theoretical Wheelbase	4288	4788
Y Center of Gravity for Payload (Min.)	328	454
Y Center of Gravity for Payload (Max.)	328	454
W Body Length (Min.)	6565	7311
W Body Length (Max.)	6565	7311

Chassis Weights [kg]

Front Axles	6705	6695
Rear Bogie	2605	2715
Kerb Weight	9310	9410
Payload (including body, driver, fuel, etc.)	18190	18090

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	19000	20600
Turning Circle Diameter Wall to Wall	20300	22000

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	27500	34000
Gross Combination Weight	42500	44000
Front Axles	11000	13000
Rear Bogie	16500	21000

Important Notes

Chassis Dimensions

Cab Height: +305 mm for CAB-HSLP, -285 mm for CAB-LSLP, +450 mm for CAB-XHSL.

Front Axle to Back of Cab: +141 mm for CAB-LSLP.

D-measure includes a front clearance of 50 mm and for rigid trucks also a subframe of 100 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.

Rear overhang used for vehicle weight calculation is the maximum rear overhang (N Max.) for selected wheelbase.

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 FH84RF3L.

MODEL RANGE

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Core components

- **CHH-HIGH** Chassis Height (high) approx. 1025-1050mm (depending on tyre selection)
- **RADD-BR** Parabolic spring rear leaf suspension
- **FH-LSLP5** Low Sleeper cab
- **FH-SLP5** Sleeper cab
- **FH-XHSL5** Globetrotter XL cab
- **EU5SCR-M** Eu5 SCR Selective Catalytic Reduction (mandatory)
- **D13C500** Engine, 13C litre, 500hp, 2500nm
- **D13C540** Engine, 13C litre, 540hp, 2600nm
- **EBR-VEB+** Volvo Engine Brake + (VEB+)
- **AT2612F** Volvo I-shift-12 speed automatic transmission (2600nm)
- **ASO-C** Crawler gears
- **ASO-ULC** Ultra low crawler gears
- **RTH2610B** Volvo RTH2610B hub reduction rear axles
4 planet gears per hub
Axle rating: 26,000 kg
115 tonne train weight
(Application approved)
- **RTS2310A** Single reduction tandem 23t GCW100t
- **RTS2370B** Single reduction tandem 23t GCW70t

Packages

- **INFODF** Information Platform with Dynafleet Support
- **INFOMED** Information Platform-Medium
- **INFONDF** Information Platform with Navigation & Dynafleet Support

Chassis

- **FST-PAR** Parabolic leaf spring front suspension
- **FST-PAR3** 3 leaf parabolic front springs (stiffer than normal)
- **FAL13.0** Front axle rating: 13,000 kg
- **FAL16.0** Front axle load 16 tonnes
- **FAL20.0** Front axle load 20 tonnes (Non Load Share Suspension)
- **LDFA** Load sharing front suspension
- **FSTAB** Front stabilizer, normal stiffness
- **FSTAB2** Front stabiliser bar increased stiffness
- **FSTAB3** Heavy duty front stabiliser bar
- **RAL21** Rear suspension load rating: 21,000 kg
- **RSTAB1** Rear stabiliser bar
- **EBS-MED** Electronic Brake System (EBS) contains
ABS, Traction control, Hill start aid
Diff lock control, Brake assist
Wheel brake monitoring, EBS status
- **TRCO-12V** 24v to 12v trailer lighting voltage converter
- **TABS-12** 24v to 12v trailer ABS voltage converter
- **FST8080** Frame section thickness 8mm
- **FIL-EEEEF** Liner (inner) from end of engine to end of frame
- **FIL-FBEB** Liner (inner) - front of bogie to end of bogie
- **FIL-FBEF** Liner (inner)- front of bogie to end of frame
- **FIL-TXEB** Liner (inner) - trans x-mem to end of bogie
- **FIL-TXEF** Liner (inner) - trans x-mem to end of frame
- **BBOX-L** Battery box mounted on LHS chassis rail
- **2BATT225** 2x225 Ah batteries
- **BATTAMP** Battery amperage indicator (in the DID)
- **MSWI-C** Isolation toggle switch LHS of chassis
- **MSWI-R** Isolation switch on key fob (press door lock twice to isolate)
- **R415A66** RHS 415 litre alloy fuel tank w/o step
Min volume 415l
Max volume 415l
- **UL-FUEL** LHS fuel tank not fitted

- **ADB032** AdBlue tank 32 litres
- **FCAP-L** Fuel tank cap with lock
- **ESH-RIGH** Muffler horizontal, right exhaust outlet
- **ESH-VERT** Muffler horizontal, vertical exhaust outlet on right hand side
- **EXST-SSP** Stainless steel exhaust stack
- **TRBR-HCR** Hand controlled trailer brake, reduced pressure
- **TRBR-STA** Stationary trailer brake control
- **TRB-STRE** Automatic trailer brake activation (stretch brake)
- **TL-LED** LED tail lights

Rims and Tyres

- **RT-AL** 10 stud alloy disc rims (with long wheel studs)
- **RT-ALDP** 10 stud dura-bright alloy disc rims (with long wheel studs)
- **RT-ALDPD** 10 stud dura-bright alloy disc rims (with short wheel studs)
- **RT-ALDU** 10 stud alloy disc rims (with short wheel studs)
- **RT-ALP** 10 stud polished alloy disc rims (with long wheel studs)
- **RT-ALPDU** 10 stud polished alloy disc rims (with short wheel studs)
- **RT-STEEL** 10 stud steel disc rims
- **SPWT-D** Spare rim & tyre equal to drive
- **SPWT-F** Spare rim & tyre equal to steer
- **SWCP-T2** Transport mounted spare wheel
- **JACK-12T** 12 tonne capacity jack with brace
- **JACK-15T** 15 tonne capacity jack and brace
- **TOOL-BAS** Basic tools
- **TOOLKIT** Tool kit complete
- **INFLAHOS** Tyre inflation hose (20 metres)

Powertrain equipment

- **DRM-BE** Drive Mode - Balanced Economy
- **DRM-E** Drive Mode - Economy
- **PVT-MAP** Preview Topography Information (by a high resolution commercial topography map)
- **CRUIS-E** Extended cruise control (additional fuel saving functions)
- **CRUISEC** Cruise control
- **AMSO-AUT** Manual gear shift in automatic mode.
- **AVO-ENH** AMT Vocational option - enhanced
- **APF-ENH** Enhanced I-shift PTO functions
- **TC-MAOH2** High performance transmission cooler
- **2COM1080** High volume air compressor
- **AIRIN-HI** High air intake, roofline position
- **AIRIN-LO** Low air intake, rear of cab position
- **ACL1ST-S** Air cleaner with two stage filter element
- **24AL120B** High capacity alternator, 120 Ampere.
- **24AL150B** Alternator - 150 Amp
- **FUEFE2LW** Dual fuel filter, engine mounted with water separator-large
- **PTER-DIN** Power Take Off / splined shaft groove (female) DIN5462.
- **PTER1400** Rear engine mounted power-take-off with flange SAE 1410
- **HPE-F101** F1-101 Hydraulic pump rear engine mounted
- **HPE-F41** F1-41 Hydraulic pump rear engine mounted
- **HPE-F51** F1-51 Hydraulic pump rear engine mounted
- **HPE-F61** F1-61 Hydraulic pump rear engine mounted
- **HPE-F81** F1-81 Hydraulic pump rear engine mounted
- **HPE-T53** F2-53/53 twin flow hyd pump rear engine mounted
- **HPE-T70** F2-70/53 twin flow hyd pump rear engine mounted
- **HPE-V45** V1-45 variable pump rear engine mounted
- **HPE-V75** V1-75 variable pump rear engine mounted
- **PTR-D** Low speed PTO with DIN connection
- **PTR-DH** High speed PTO with DIN connection
- **PTR-DM** Medium speed PTO with DIN connection
- **PTR-F** Rear PTO trans.flange 100% speed
- **PTRD-D** PTO with 2 DIN connections rear + 1 DIN connection front

■ 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.

MODEL RANGE

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<input type="checkbox"/> PTRD-F	PTO with 1 DIN + 1 flange connection rear	<input type="checkbox"/> RUS-BAS	Rear upper cab storage - 154 litres for Sleeper/Globetrotter & 60 litres for Day Cab
<input type="checkbox"/> HPG-F41	F1-41 hydraulic pump gearbox mounted	<input type="checkbox"/> RUS-HIG	Rear upper cab storage - 245 litres
<input type="checkbox"/> HPG-F61	F1-61 hydraulic pump gearbox mounted	<input type="checkbox"/> TABLE	Table
<input type="checkbox"/> STWM-LE	Steering wheel material - leather	<input type="checkbox"/> REFR-RUS	28 litre refrigerator in upper rear storage
<input type="checkbox"/> ACCLF-D	Acceleration Limiting Feature - Disabled	<input type="checkbox"/> REFRIG	33 litre refrigerator under lower bunk
<input type="checkbox"/> ACCLF-E	Acceleration Limiting Feature - Enabled	<input type="checkbox"/> MICRO-PK	Preparation kit for microwave
■ ESP-BAS1	ESP package (tractor/trailer combinations with ABS. Rigid with standard COG)	■ BOTH-D	Bottle holder in driving area
■ HWSS-ACB	ACC & forward collision warning & emergency braking.	<input type="checkbox"/> BOTH-DL	Bottle holder in driving & resting areas
■ LSS-DW	With lane departure system	<input type="checkbox"/> BOTH-L	Bottle holder in resting area
■ LCS	Lane change support	■ SOL12S	12v outlet in sleeper area
■ DAS-W	Driver alert support warning	■ INLI-BAS	Interior night lights
<input type="checkbox"/> RSENS-W	Rain sensor to activate wipers	<input type="checkbox"/> INLI-NL	Interior white and red (night) light
■ CU-ECC	Climate controlled air conditioning	<input type="checkbox"/> INLI-NLD	Interior light including night light and dimmer function
<input type="checkbox"/> IMMOBIL	Engine immobiliser	<input type="checkbox"/> ARL-FLEX	Flexible reading lamp (snake light)
<input type="checkbox"/> ALARM-B	Anti-theft alarm (cab)	■ RH-ER	Roof hatch-electric (metal emergency exit)
<input type="checkbox"/> AMPL400	400 watts, 8 channel amplifier including a subwoofer	<input type="checkbox"/> RH-ETR	Roof hatch-electric (tinted glass & rear opening)
<input type="checkbox"/> BUPMON	Back-up camera	<input type="checkbox"/> VANMIR	Vanity mirror
■ ISUNS-DS	Interior side sunvisor - driver's door	<input type="checkbox"/> AS-FUS	Auxiliary shelf, front upper storage
<input type="checkbox"/> ISUNF-RE	Interior sunvisor - front (electric)	<input type="checkbox"/> INFOT-PK	LCD screen mount - 6kgs max
■ ISUNF-RM	Interior sunvisor - front (manual)	Cab exterior	
■ CSPL-BXD	Centre section dash panel pull out drawer	■ EXTL-BAS	Standard exterior trim level
<input type="checkbox"/> ADFS	2 din slots in front shelf	<input type="checkbox"/> EXTL-EN2	Enhanced exterior trim level 2
■ BUPALARM	Reverse alarm	<input type="checkbox"/> EXTL-ENH	Enhanced exterior trim level.
<input type="checkbox"/> REMC-MF	Multifunction wireless remote control	■ DGLAS-H	Hardened door glass
■ FIREX25A	Fire extinguisher 2.5 kg	<input type="checkbox"/> DGLAS-L	Laminated door glass
■ WRITEPAD	Storable steering wheel fit clip board	■ LOCK-CTL	Central door locking-Key
■ DST-CF5	Fully adjustable driver's comfort seat Air suspension, heated, integrated safety belt	<input type="checkbox"/> LOCK-REM	Central door locking with remote control
<input type="checkbox"/> SBD-RED	Red safety belts, pass. & driver seats	■ BUMP-B	Bumper - plastic
■ SBPRE-DS	Drivers seat belt pretensioner	<input type="checkbox"/> BUMP-B2	Bumper - steel
■ PST-BAS1	Basic passenger's seat	<input type="checkbox"/> WILDBAR	Wildbar
<input type="checkbox"/> PST-CF5	Fully adjustable passenger comfort seat Air suspension, heated, safety belt	<input type="checkbox"/> BUMP-SP	Bumper spoiler
<input type="checkbox"/> SBPRE-PS	Passenger seatbelt pretensioner	■ BUGNET	Insect net in front of radiator
<input type="checkbox"/> ARMRE-BB	Armrests both sides - driver's & passenger's seat	■ CTILT-P-E	Electrical cab tilt pump
■ ARMRE-DB	Armrests both sides - driver's seat	<input type="checkbox"/> FCABS-A	Front cab suspension-air bellows
■ ARU-LEA	Seat armrest upholstery - leather	■ FCABS-M	Front cab suspension-mechanical spring
■ GRABHI-B	Instep grab handle - standard	<input type="checkbox"/> RCABS-A	Rear cab suspension-air bellows
<input type="checkbox"/> GRABHI-L	Instep grab handle - leather bound	■ RCABS-M	Rear cab suspension-mechanical spring
■ FMAT-RUB	Floor mats - rubber	■ MIRFLA3	Electrically operated flat mirrors Wide angle and close view mirror both sides
■ LBK80F	Lower bunk 815mm wide	<input type="checkbox"/> MIRFLACP	Electrically heated & operated flat glass mirrors with front monitoring camera on passenger side.
<input type="checkbox"/> LBK80FRE	Lower bunk 815mm wide, electrically reclinable	■ SUNV-H	Exterior sunvisor
<input type="checkbox"/> LBK80FRM	Lower bunk 815mm wide, manually reclinable	<input type="checkbox"/> AD-ROOF	Aero-dynamic roof mounted deflector
■ MATL-FI	Mattress lower bunk - firm	<input type="checkbox"/> AD-SIDES	Aero-dynamic cab side deflectors
<input type="checkbox"/> MATL-SF	Mattress lower bunk - semi firm	<input type="checkbox"/> GUARD-W	Windscreen stoneguard
<input type="checkbox"/> OLMAT-BA	Mattress overlay - basic	■ HL-BASIC	Standard head lamps
<input type="checkbox"/> TBK70AD	Top bunk 700mm wide, foldable & height adjustable	<input type="checkbox"/> HL-CLEAN	Head lamp cleaning system
<input type="checkbox"/> TBK70F	Top bunk 700mm wide, foldable	■ DRL-LED	V-shaped LED daytime running light
■ SLCP-BAS	Standard sleeper control panel	■ DRIVL2	Integrated driving lamps
<input type="checkbox"/> SLCP-LUX	Sleeper control panel	<input type="checkbox"/> UDRIVL	Without driving lights
<input type="checkbox"/> SAFE	Safe box at bed-end	■ FOGL-WC	Integrated fog lamps
		<input type="checkbox"/> CL-STAT	Corner light-static
		<input type="checkbox"/> ASL-RF2	Auxiliary spotlights inside Globetrotter sign box
		■ IDLAMP-A	Identification lamps-amber

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- BEACON-P** Beacon light wire preparation
- **SPOTP-F** Aux spotlight preparation, 280W maximum
- ROS-ILP** Globetrotter illuminated cab sign prep kit
- CSGN-GTR** Globetrotter decal
- **HORN-F1S** Single electric Jericho air horn (behind grill)
- HORN-R2S** Chromed air horns, two roof mounted
- ANT-CBR** Antenna for CB radio, single antenna
- STUC-B** Storage compartments under cab-both sides

Superstructure

- SRWL-PK** Wiring prep for chassis mounted reverse/working lamps-3 position switch
- SWL-PK** Wiring prep for chassis-mounted working lamps-2 position switch
- WLC-H2W** 2 x H3/70W high mounted work lamps with white lens.
- WLC-PKH** Prep kit for high mounted work lamps.
- **ECBB-HIG** Body builder module - cab module
- **BBCHAS3** Body builder chassis electrical interface, 3 x 7 pin connectors
- **AESW2PK** 2 flexible switches (AUX1 & AUX2) + additional 4 flexible switches
- **AUXSW-4** 4 extra bi-stable switches wired to BBM

Delivery services

- **TGW-4GWL** Telematics Gateway with 4G/LTE & WLAN
- FMS-PK** Fleet management system gateway
- DRUT2** "My Truck" smartphone app. 2 year prepaid