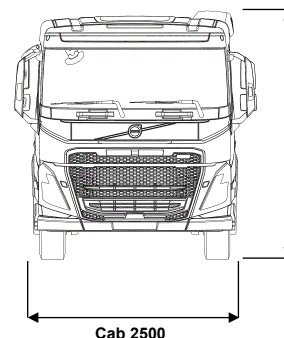
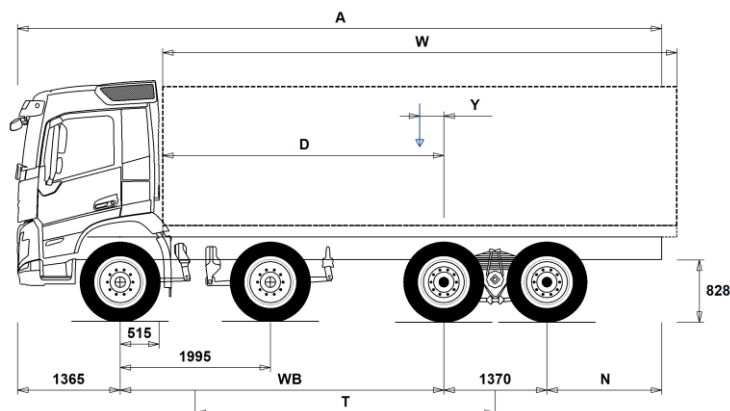


MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L



Chassis Dimensions [mm]

WB Wheelbase	4300	4350	4600	4900	5100	5600
A Overall Chassis Length	9410	9510	9860	10310	10660	11410
D Center of rear axle to front of body	3735	3785	4035	4335	4535	5035
N Rear Overhang (Min.)	825	825	825	825	715	715
N Rear Overhang (Max.)	2375	2425	2525	2675	2825	3075
T Theoretical Wheelbase	3988	4038	4288	4588	4788	5288
Y Center of Gravity for Payload (Min.)	584	601	683	784	851	1018
Y Center of Gravity for Payload (Max.)	584	601	683	784	851	1018
W Body Length (Min.)	6302	6368	6703	7102	7368	8034
W Body Length (Max.)	6302	6368	6703	7102	7368	8034

Chassis Weights [kg]

Front Axles	6835	6825	6820	6795	6785	6760
Rear Bogie	3800	3815	3895	3965	4030	4135
Kerb Weight	10635	10640	10715	10760	10815	10895
Payload (including body, driver, fuel, etc.)	41365	41360	41285	41240	41185	41105

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	18100	18200	19000	20000	20600	22200
Turning Circle Diameter Wall to Wall	19400	19600	20400	21400	22000	23600

Plated Weights [kg]

Gross Vehicle Weight	52000
Gross Combination Weight	50000
Front Axles	20000
Rear Bogie	32000

Design

52000
50000
20000
32000

Important Notes

Chassis Dimensions

Cab Height: +328 mm for CAB-HSLP, -262 mm for CAB-LDAY, -262 mm for CAB-LSLP, +16 mm for CAB-SLP.
 Front Axle to Back of Cab: +431 mm for CAB-HSLP and CAB-SLP, -69 mm for CAB-LDAY, +425 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. Chassis height used: CHH-HIGH.
 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 $\pm 3\%$.

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 FM84RF3L.

MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

Transport operation

- **RC-ROUGH** Rough road conditions: frequent driving on poorly maintained surfaced roads, hard-packed sand or gravel, or other surfaces of good or bad quality.
- **RC-VROUG** Very rough road conditions: more than 5% of the driven distance is on extremely poor roads or off-road.
- **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **CHH-XHIG** Chassis height extra high - approx. 1030 mm above ground level
- **RADD-TR2** Rear leaf suspension - two axles, both driving (max. technical bogie load 32 tonnes)
- **RADD-TR3** Rear leaf suspension - two axles, both driving (max. technical bogie load 38 tonnes)
- **FM-DAY6** FM day cab
- **FM-SLP6** FM sleeper cab
- **EU3** Euro 3 emission level
- **EU4SCR** Euro 4 with Selective Catalytic Reduction (SCR)
- **EU6SCR** Euro 6 with SCR, particulate filter and EGR, Turbo-S
- **D13S420A** Diesel engine, Euro 6, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13S460A** Diesel engine, Euro 6, 12.8 litres, 460 hp/338 kW, 2300 Nm
- **D13S500A** Diesel engine, Euro 6, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13A380** Diesel engine, Euro 4, 12.8 litres, 380 hp/280 kW, 1900 Nm
- **D13A400** Diesel engine, Euro 3, 12.8 litres, 400 hp/294 kW, 2000 Nm
- **D13A420** Diesel engine, Euro 4, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13A440** Diesel engine, Euro 3, 12.8 litres, 440 hp/324 kW, 2200 Nm
- **D13A460** Diesel engine, Euro 4, 12.8 litres, 460 hp/338 kW, 2300 Nm
- **D13A480** Diesel engine, Euro 3, 12.8 litres, 480 hp/353 kW, 2400 Nm
- **D13A500** Diesel engine, Euro 4, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13C500** Diesel engine, Euro 5, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13K420** Diesel engine, Euro 6, 12.8 litres, 420 hp/309 kW
- **D13K460** Diesel engine, Euro 6, 12.8 litres, 460 hp/338 kW
- **D13K500** Diesel engine, Euro 6, 12.8 litres, 500 hp/368 kW
- **EBR-EPG** Engine brake with exhaust pressure governor
- **EBR-EPGC** Exhaust pressure governor with Volvo compression brake
- **EBR-VEB** Volvo Engine Brake, VEB (compression brake with exhaust pressure governor, EPG)
- **EBR-VEB+** Volvo Engine Brake, VEB+ (high efficiency compression brake with exhaust pressure governor, EPG)
- **AT2412** I-Shift automated 12-speed gearbox, 2400 Nm
- **AT2612** I-Shift automated 12-speed gearbox, 2600 Nm
- **AT2812** I-Shift automated 12-speed gearbox, 2800 Nm
- **ATO2612** I-Shift automated 12-speed gearbox with overdrive, 2600 Nm
- **ATO3112** I-Shift automated 12-speed gearbox with overdrive, 3100 Nm
- **ASO-C** One crawler gear
- **ASO-ULC** Two crawler gears, one crawler and one ultra-low crawler
- **RTH2610B** Rear hub reduction tandem axle - bogie load 26 tonnes, GCW 100 tonnes, 4 planet gears
- **RTH3210F** Rear hub reduction tandem axle - bogie load 32 tonnes, GCW 100 tonnes, version F
- **RTH3212F** Rear hub reduction tandem axle - bogie load 32 tonnes, GCW 120 tonnes, version F
- **RTH3312** Rear hub reduction tandem axle - bogie load 33 tonnes, GCW 120 tonnes
- **RTH3815** Rear hub reduction tandem axle - bogie load 38 tonnes, GCW 150 tonnes

Packages

- **FP-D13** Fuel economy package for Euro 6 D13 engine
- **INFOBASE** Information package, basic (without side display)
- **INFOHIGH** Information package, high (with side display)

Chassis

- **FST-PAR3** Three-leaf front parabolic springs (stiffer than normal)
- **FST-PAR5** Four-leaf front parabolic springs (extra stiff)

- **FAL16.0** Front axle load 16.0 tonnes, double front axles
- **FAL18.0** Front axle load 18.0 tonnes, double front axles
- **FAL20.0** Front axle load 20.0 tonnes, double front axles
- **FSTAB** Front anti-roll bar, normal stiffness
- **FSTAB2** Front anti-roll bar, high stiffness
- **FSTAB3** Front anti-roll bar, extra-high stiffness
- **RAL26** Rear axles load 26 tonnes
- **RAL32** Rear axles load 32 tonnes
- **RAL38** Rear axles load 38 tonnes
- **RSTAB1** Rear anti-roll bar, normal stiffness
- **RSAP2** Heavy duty rear suspension application (with reinforcements)
- **PSS-DUAL** Dual power steering system
- **PSS-SING** Single power steering system
- **PSP-VAR** Power steering pump with variable displacement
- **PSP-VAR2** Power steering pump with variable displacement (extra valve)
- **EBB-MED** EBS (Electronic Braking System), Medium package
- **EBB-STD** EBS (Electronic Braking System), Standard package
- **AUXPARK** Extra parking brake on one axle
- **RST-MUL** Rear multi-leaf springs
- **RST-PAR5** Rear parabolic leaf springs
- **FST8080** Frame thickness - web 8.0 mm / flange 8.0 mm
- **FIL-EEEE** Frame inner liner from end of engine to end of bogie
- **FIL-EEEF** Frame inner liner from end of engine to end of frame
- **FIL-FBEB** Frame inner liner from front of bogie to end of bogie
- **FIL-TXEB** Frame inner liner from transmission cross member to end of bogie
- **FIL-TXEF** Frame inner liner from transmission cross member to end of frame
- **BBOX-L** Battery box on left-hand side
- **2BATT170** Batteries, 2x170 Ah
- **2BATT225** Batteries, 2x225 Ah
- **BATTAMP** Battery voltmeter and ammeter
- **MSWI-C** Main switch on chassis
- **UR-FUEL** Without right side fuel tank
Min volume 275l
Max volume 630l
- **UL-FUEL** Without left side fuel tank
- **ADTP-L** AdBlue tank on left hand side
- **ADTP-LF** AdBlue tank on left hand side at the front
- **ADTP-R** AdBlue tank on right hand side
- **ADB032** AdBlue tank: usable volume 32 litres, mounted between front axles
- **ADB048** AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side
- **ADB064** AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side
- **FCAP-L** Lockable diesel and AdBlue filler caps
- **FUFF-AS** Fuel filling anti-spillage device
- **FUFF-ATS** Fuel filling anti-theft and anti-spillage device
- **ESH-REAR** Horizontal silencer, rear exhaust outlet
- **ESH-RIGH** Horizontal silencer, right exhaust outlet
- **ESH-VERT** Horizontal silencer, vertical exhaust outlet on right-hand side
- **ESV-VERT** Vertical silencer, vertical exhaust outlet on right-hand side
- **EXST-SSP** Vertical exhaust top pipe, bright polished stainless steel
- **EXST-ST** Vertical exhaust top pipe, aluminised steel
- **WHC-FIX2** Two non-collapsible wheel chocks
- **WHC-FOL2** Two collapsible wheel chocks
- **WHCP-F** Wheel chock holder in the front part of the vehicle
- **WHCP-R** Wheel chock holder in the rear part of the vehicle
- **WHCP-T** Wheel chock holder by-packed in cab outer luggage compartment

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

□ SUP-BAS Standard side underrun protection, aluminium □ SUP-LOW Low side underrun protection, aluminium □ CHAIN-S Snow chains ■ TOWF-NO1 One front towing device □ TOWF-NO2 Two front towing devices □ TOWMBRH Towing member, high-mounted in centre of frame □ TOWMBRL1 Towing member, low-mounted under frame □ TOWMBRM Towing member, medium-mounted in line with lower frame flange ■ RFEC-S Straight-cut rear frame end □ RFEC-U Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications) □ C-RI4040 Coupling Ringfeder 4040A G-150 □ C-RI4045 Coupling Ringfeder 4045A G-150 □ C-RI5050 Coupling Ringfeder 5050A G-150 □ C-RO50 Coupling Rockinger 50 mm □ C-VBG520 Coupling VBG 5200D □ C-VBG795 Coupling VBG 795V □ TOWR-ONE Brace that can be used for towing in specific situations. The brace is mounted on the end cross member, and if the end cross member is thinner than 8 mm, it will be reinforced. The brace includes a lockable pin and is dimensioned for a 3-tonne centre-axle trailer or a 10-tonne articulated drawbar trailer. It may only be used for short-distance, on-site transport in confined areas and at speeds of a maximum of 30 km/h. □ TREL-PK Trailer electrical preparation kit (chassis/cab wiring) □ TREL14 14-pin trailer connection □ TREL15 15-pin trailer connection (ADR certified) □ TREL7 7-pin trailer connection (ISO 24N) □ TREL7-7 2x7-pin trailer connection (ISO 24N+24S, non-ADR) □ TBC-EC Trailer brake connection, European Community □ TRBR-HCR Reduced-pressure, hand-controlled trailer brake check (4 bar) □ TRBR-STA Stationary trailer brake check □ TRB-STRE Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability □ FFEND-B Mudguards on second front axle □ FFEND-T Transport-mounted mudguards on second front axle □ RFEND-B Rear 3-piece mudguards (anti-spray) on all rear axles □ RFH-BAS Basic mudguard installation height on 2nd front axle and rear axles □ RFH-HIG High mudguard installation height on 2nd front axle and rear axles □ RFH-LOW Low mudguard installation height on 2nd front axle and rear axles □ ATANK-AL Aluminium air tanks ■ ATANK-ST Steel air tanks □ TL-LED LED tail lamps (tail light, exterior marker light, brake light, hazard warning light, reverse light, rear fog light, licence plate light and reflector) ■ BLIGHT-E Flashing brake lights will automatically activate in emergency braking. The flashing frequency is 4 Hz and emergency braking is detected if speed exceeds 50 km/h and retardation is 4 m/s² or more. The function deactivates when retardation is less than 2.5 m/s².	■ JACK-20T Hydraulic jack, 20 tonnes. Low manual pumping force facilitates use in uncomfortable positions. Has a release valve, which permits safe, easy and precise control over rate of lowering and a filter in the oil reservoir gives protection from contamination. For FM: Height 190-325 mm, weight 10.5 kg For FH: height 240-467 mm, weight 13.3 kg ■ TOOLKIT This kit consists of a tool bag (case) including the following tools: • Combination screwdriver. – 1 screwdriver handle – 1 blade, Phillips/flat blade – 1 blade, Torx T10/Torx T20 – 1 blade, Torx T25/Torx T27 – 1 blade, Torx T30/Torx T40 • Socket wrench. • Adjustable pliers. • Allen key. • Adjustable spanner. • Hammer. □ INFLAHOS Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately). □ GAUGE-TP Tyre pressure gauge
Powertrain equipment	
■ TRAP-HD Reinforced gearbox range housing □ DRM-BE I-Shift drive modes Economy, Standard and Performance □ DRM-E I-Shift drive mode Economy ■ CRUIS-E I-Cruise cruise control, I-Roll included □ CRUIS-E5 I-Torque cruise control, optimized for fuel economy, I-Roll included ■ AMSO-AUT I-Shift manual gear shifting available in automatic mode, including kick-down function ■ AVO-ENH I-Shift with enhanced software for construction and off-road applications □ APF-ENH I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection) □ RET-TH Gearbox-mounted, hydrodynamic oil retarder ■ TC-MAOH2 Extra high performance cooler for manual/I-shift gearboxes - air/oil □ TC-MWOH2 High performance cooler for manual/I-Shift gearboxes - water/oil □ 2COM1080 Dual-cylinder air compressor 704 cc, 1080 l/min □ 2COM1100 Dual-cylinder air compressor 760 cc, 1100 l/min ■ 2COMP870 Dual-cylinder, two-stage air compressor 560 cc, 870 l/min □ 2COMP900 Dual-cylinder air compressor 636 cc, 900 l/min ■ AIRIN-HI High air inlet □ AIRIN-LO Low air inlet □ ACL1ST-S Air cleaner with extra filter element ■ 24A110BL Alternator 110 Ampere □ 24A150BL Alternator 150 Ampere □ 24A180BL Alternator 180 Ampere □ 24AL110B Alternator 110 Ampere □ 24AL150B Alternator 150 Ampere □ CCV-C Closed crankcase ventilation □ CCV-O Open crankcase ventilation □ PRIM-EL Electrical priming pump for removal of air in the fuel system ■ PRIM-MAN Manual priming pump for removal of air in the fuel system □ FUEQ-EH Fuel line electric heater □ AF-E Electrically heated fuel filter ■ FUEFE2LW Large engine-mounted dual fuel filter with water separator and drain □ EST-AID Engine intake air heater	

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

☐ 220EBH15	Engine block heater, 220 V, 1.5 kW	☐ DAS-W	Driver Alert Support
☐ PTER-100	Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646	☐ CU-ECC2	Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter
☐ PTER-DIN	Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653	☒ CU-MCC	Manual climate control (heater/cooler function)
☐ PTER1400	Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647	☐ IGT-BUT	Push-button ignition
☐ HPE-F101	Engine-mounted hydraulic pump F1-101, fixed displacement, single flow	☐ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred
☐ HPE-F41	Engine-mounted hydraulic pump F1-41, fixed displacement, single flow	☒ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred
☐ HPE-F51	Engine-mounted hydraulic pump F1-51, fixed displacement, single flow	☐ ISUNF-B	Interior roller blind, integrated in front shelf, electrically manoeuvred
☐ HPE-F61	Engine-mounted hydraulic pump F1-61, fixed displacement, single flow	☐ ISUNF-MD	
☐ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow	☐ ISUNF-RE	
☐ HPE-T53	Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow	☒ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred
☐ HPE-T70	Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow	☐ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)
☐ HPE-V45	Engine-mounted hydraulic pump VP1-45, variable displacement, single flow	☐ REMC-MF	Wireless remote control, multi-functional
☐ HPE-V75	Engine-mounted hydraulic pump VP1-75, variable displacement, single flow	☒ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal
☐ PTR-D	Gearbox low-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 1000 Nm	☐ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2
☐ PTR-DH	Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm	☒ WARNTRI2	Two warning triangles
☐ PTR-DM	Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm	☐ AIDKIT	First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.
☐ PTR-F	Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm	☐ AIDKIT1B	First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)
☐ PTRD-D	Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm	☐ AIDKIT1C	First aid kit fulfilling Indian requirements
☐ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow	☐ LAMP-IN	Inspection lamp with 10 m cable
☐ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow	☐ BULBKIT	Bulb and fuse kit
☐ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow	☐ WRITEPAD	Writing pad with paper clamp
☐ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow	Cab Interior, Living	
☐ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow	☒ DST-CF1	Driver's seat Comfort
Cab Interior, Driving		☐ DST-CF4	Driver's seat Comfort, belt in seat
☒ STWPOS-R	Right-hand drive	☒ SBD-RED	Red safety belts, passenger and driver seats
☐ STWM-LE	Steering wheel material leather	☒ PST-BAS1	Passenger seat Basic, non-suspended
☐ STGW-AD2	Manually adjustable steering wheel with neck tilt	☐ PST-STD2	Passenger seat Regular, non-suspended
☒ STGW-ADJ	Manually adjustable steering wheel	☒ FMAT-RUB	Black rubber floor mats
☒ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual	☐ FMAT-TX2	Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
☐ 1DAYB	One-day analogue tachograph, basic	☐ LBK70	Lower fixed bed 2000x700 mm, non-foldable, safety net included
☐ ARSL	Additional road speed limiter control (switch in dashboard)	☐ MATL-FI	Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
☒ ACCLF-D	Volvo torque assist - Disabled	☐ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
☐ ACCLF-E	Volvo torque assist - Enabled	☐ OLMAT-BA	Overlay mattress, 28 mm thick black textile
☐ ESP-BAS1	ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity	☐ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile
☐ ESPC-RO	Electronic stability program functionality control, switch - On/Reduced/Off	☐ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
☐ HWSS-ACB	Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.	☐ PH-CAB2	Cab parking heater, 2 kW
☐ HWSS-FCB	Collision Warning with Emergency Brake (forward)	☐ SLCP-BAS	Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)
☐ LSS-DW	Lane Keeping Support - lane departure warning	☐ ETSB-R	Storage at back of engine tunnel, against rear cab wall
☐ LSS-DW3	Pilot Assist - active, continuous lane keeping	☐ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)
		☐ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)
		☐ REF-ICPK	Preparation kit for refrigerator
		☐ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)
		☐ BOTH-D	One bottle holder under dashboard centre section

☒ Standard Equipment

☐ Optional Equipment

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■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	□ CL-STAT	Static cornering lights
□ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	□ IDLAMP-A	Three amber identification lamps on mid front roof
□ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	□ IDLAMP-W	Three white identification lamps on mid front roof
□ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	□ BEACOA2F	Two amber LED beacons on cab front roof
■ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	□ BEACON-P	Preparation kit for roof beacons
□ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	□ CABPT-R1	One front cab roof pass-through on passenger side
□ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	□ CABPT-R2	Two front cab roof pass-throughs, one on each side
□ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	□ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
■ GLAS-TIN	Tinted windows	□ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
□ GLAS-UNT	Untinted windows	□ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
□ AWIND-RF	Fixed window in back of cab (without curtains)	□ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
□ VANMIR	Vanity mirror in front shelf lid	□ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
□ AS-FUS	One extra shelf in each of the two front upper storage compartments	□ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
□ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	□ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
Cab exterior		□ ACCBP-F	Accessory bracket mounted on front roof
■ EXTL-BAS	Exterior trim level basic	□ ACCBP-FM	Accessory brackets mounted on front roof and midroof
■ DGLAS-H	Tempered door window glass	□ ACCBP-FR	Accessory brackets mounted on front and rear roof
■ BUMP-B2	Steel front bumper	□ ACCBP-M	Accessory bracket mounted on midroof
□ BUMP-SP	Front bumper spoiler	□ ACCBP-RM	Accessory bracket mounted on rear roof
■ GUARD-EH	Guard plate for cooling pipes and oil sump	Superstructure preparations	
■ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	□ SRWL-2RW	2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)
□ CTILT-P-E	Electric cab tilt pump	□ SRWL-PK	Preparation kit for LED reverse/work lamps at rear chassis, 3-pos switch (On/Off/Reverse auto On)
□ CTILT-P-M	Manual cab tilt pump	□ SWL-2FW	2 white LED work lamps at front of chassis, and a 2-position switch (On/Off)
□ FCABS-A	Air front cab suspension	□ SWL-2RW	2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)
■ FCABS-M	Mechanical front cab suspension	□ SWL-4W	4 white LED work lamps on chassis (2 front, 2 rear) and a flexible switch (On/Off)
□ RCABS-A	Air rear cab suspension	□ SWL-PK	Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
■ RCABS-M	Mechanical rear cab suspension	□ WL-CHPK	Preparation kit for work lamp (switch with cable to frame, by gearbox)
□ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	□ WLC-PKCH	Preparation kit (cables and switch) for work lamp inside or outside superstructure
□ MIRCMCP	Camera Monitor System and passenger corner camera	□ WLC-PKH	Preparation kit (cables and switch) for high-mounted work lamps on back of cab
□ MIRCMS	Camera Monitor System	□ WLC-PKL	Preparation kit (cables and switch) for low-mounted work lamps on back of cab
■ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	□ WLC-PKLH	Preparation kit (cables and switch) for low- and high-mounted work lamps on back of cab
■ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)	□ ECBB-BAS	Body builder electrical centre, prepared for body builder module
□ SUNV-H	Exterior front sun visor, transparent dark-grey	□ ECBB-HIG	Body builder electrical centre, body builder module with 14 high and 4 low digital outlets
□ AD-ROOF	Roof air deflector	■ ECBB-MED	Body builder electrical centre, body builder module with 7 high and 4 low digital outlets
■ HL-BASIC	Halogen H7 headlamps	□ BBCHAS1	One 7-pole bodywork connector on chassis
□ HL-LED	LED headlamps	□ BBCHAS3	Three 7-pole bodywork connectors on chassis
□ HL-LED3	LED headlamps with adaptive high beam	□ BEPR-T2	Bodywork electrical and software preparation for tipper with remote control
□ HBDA-A	Automatic main beam deactivation and reactivation	□ TD-LED	TD-LED detects trailers that have either bulb lights or LED lights. Continuous monitoring of the trailer connection status allows optimization of gear shifting and systems like Electronic Stability Program (ESP). Full diagnostics are available for bulb lights, while for LED lights the system cannot identify an "open circuit".
□ HL-CLEAN	High-pressure headlamp cleaner	□ FRFS-BS	Frame rail free space on both sides to give space for crane legs or other equipment
□ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)	□ FBA-BTF	Front body attachment brackets, lower, for flexible body
□ HL-ADJ	Manually adjustable headlamp beam	□ FBA-BTSF	Front body attachment brackets, lower, for semi-flexible body
■ DRL-LED	Daytime running lamps (LED)		
□ UDRL	Without daytime running lamps		
□ DRIVL2	Extra main beam		
■ UDRIVL	Without extra main beam		
□ FOGL-WC	White front fog lamps		

■ 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

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

- **HBA-FSFB** Holes for body attachments, flexible/semi-flexible body
- **HBA-SB** Holes for body attachments, stiff body
- **RBA-T2** Rear body attachment brackets, lower
- **CRANEPK1** Frame-mounted crane interface plates, up to 10 tonne-metres
- **CRANEPK2** Frame-mounted crane interface plates, up to 20 tonne-metres
- **CRANEPK4** Frame-mounted crane interface plates, up to 40 tonne-metres
- **AUXL-SPK** Preparation kit (wiring and a switch in dashboard) for snow plough lamps
- **AESW2** 2 bistable bodywork switches (marked AUX1/AUX2)
- **AESW2PK** 2 bistable bodywork switches (marked AUX1/AUX2) + prepared for 4 bistable switches (dummy switches)
- **AUXSW-4** Hardwiring for 4 extra switches (from body builder electrical centre to instrument panel)

Services

- **TGW-4GWL** Telematics gateway with 4G modem and WLAN
- **TGW-PK** Telematics gateway preparation kit
- **FMS-PK** Fleet management system gateway, preparation kit
- **TSRS2** Road sign recognition (not ISA compliant)