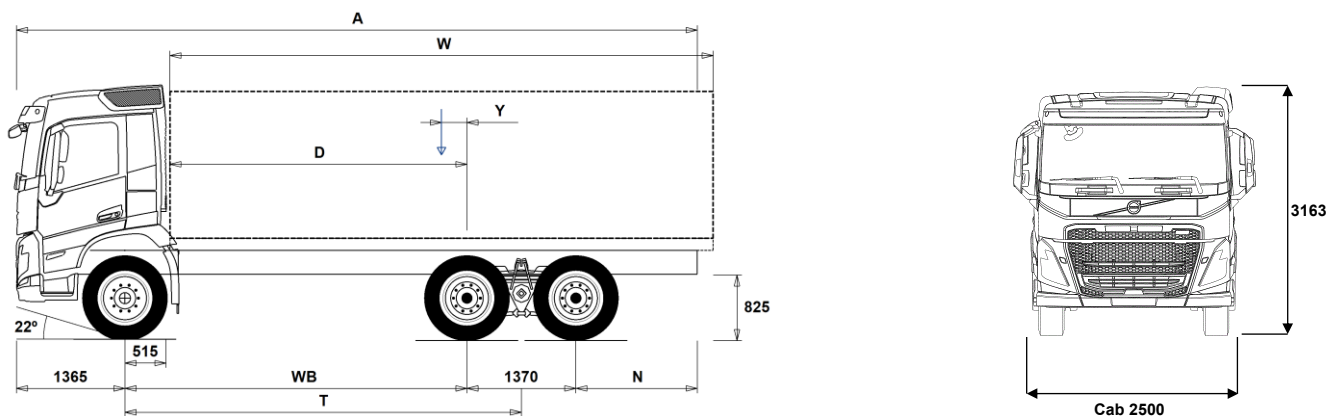


MODEL RANGE

FM D13 64 Rigid Diesel Rear Leaf FM 64R 3L



Chassis Dimensions [mm]

WB Wheelbase	3200	3400	3700	3900	4300	4600	4900	5200	5600
A Overall Chassis Length	7710	8010	8460	8760	9410	10560	10310	10810	11410
D Center of rear axle to front of body	2635	2835	3135	3335	3735	4035	4335	4635	5035
N Rear Overhang (Min.)	825	825	825	825	825	825	825	1225	1225
N Rear Overhang (Max.)	1775	1875	2025	2125	2375	3225	2675	2875	3075
T Theoretical Wheelbase	3885	4085	4385	4585	4985	5285	5585	5885	6285
Y Center of Gravity for Payload (Min.)	-165	-139	-102	-78	-29	17	41	78	121
Y Center of Gravity for Payload (Max.)	-165	-139	-102	-78	-29	17	41	78	121
W Body Length (Min.)	5599	5948	6473	6824	7528	8035	8587	9113	9826
W Body Length (Max.)	5599	5948	6473	6824	7528	8035	8587	9113	9826

Chassis Weights [kg]

Front Axle	4770	4775	4795	4805	4830	4825	4870	4880	4915
Rear Bogie	3580	3595	3620	3640	3700	3805	3760	3790	3835
Kerb Weight	8350	8370	8415	8445	8530	8630	8630	8670	8750
Payload (including body, driver, fuel, etc.)	16650	16630	16585	16555	16470	16370	16370	16330	16250

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	13900	14500	15500	16100	17300	18200	19100	20000	21300
Turning Circle Diameter Wall to Wall	15300	15900	16900	17500	18700	19600	20500	21500	22700

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	25000	30500
Gross Combination Weight	0	44000
Front Axle	7000	7500
Rear Bogie	18000	23000

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 FM64R3L.

MODEL RANGE

FM D13 64 Rigid Diesel Rear Leaf FM 64R 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
- **RADD-BR** Rear leaf suspension - two axles, both driving (B-ride)
- **RADD-TR1** Rear leaf suspension - two axles, both driving (max. technical bogie load 26 tonnes)
- **RADD-TR2** Rear leaf suspension - two axles, both driving (max. technical bogie load 32 tonnes)
- **CDCOPREP** Preparation kit for day cab cut-out (free text CA needed)
- **FM-CREW** FM crew cab (free-text CA needed)
- **FM-DAY6** FM day cab
- **FM-HSLP6** FM Globetrotter, high sleeper cab
- **FM-LDAY6** FM low day cab
- **FM-LSLP6** FM low sleeper cab
- **FM-SLP6** FM sleeper cab
- **EU3** Euro 3 emission level
- **EU4SCR** Euro 4 with Selective Catalytic Reduction (SCR)
- **EU5SCR-M** Euro 5 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
- **D13C380** Diesel engine, Euro 5, 12.8 litres, 380 hp/280 kW, 1900 Nm
- **D13C420** Diesel engine, Euro 5, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13C460** Diesel engine, Euro 5, 12.8 litres, 460 hp/338 kW, 2300 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
- **PT2606** Powertronic 6-speed powershift gearbox, 2600 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
- **RTH2610F** Rear hub reduction tandem axle - bogie load 26 tonnes, GCW 100 tonnes, version F
- **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

■ 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.

- **RTS2310A** Rear single reduction tandem axles - bogie load 23 tonnes, GCW 100 tonnes
- **RTS2370A** Rear single reduction tandem axle - bogie load 23 tonnes, GCW 70 tonnes
- **PTO-HT16** High-torque power take-off 1600 Nm (free-text CA needed)
- **PTO-HT20** High-torque power take-off 2000 Nm (free-text CA needed)

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)
- **SAFEBAS** Active Safety Basic package (outside Europe)
- **SAFEBAS2** Active Safety Basic package (outside Europe)
- **SAFEPLU2** Active Safety Plus package (outside Europe)
- **SAFEPLUS** Active Safety Plus package (outside Europe)

Chassis

- **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **FST-PAR3** Three-leaf front parabolic springs (stiffer than normal)
- **FST-PAR5** Four-leaf front parabolic springs (extra stiff)
- **FAL10.0** Front axle load 10.0 tonnes
- **FAL7.1** Front axle load 7.1 tonnes
- **FAL7.5** Front axle load 7.5 tonnes
- **FAL8.0** Front axle load 8.0 tonnes
- **FAL8.5** Front axle load 8.5 tonnes
- **FAL9.0** Front axle load 9.0 tonnes
- **FSTAB** Front anti-roll bar, normal stiffness
- **FSTAB2** Front anti-roll bar, high stiffness
- **FSTAB3** Front anti-roll bar, extra-high stiffness
- **RAL21** Rear axles load 21 tonnes
- **RAL23** Rear axles load 23 tonnes
- **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)
- **ACTST-TO** Volvo Dynamic Steering
- **ASFE-BAS** Volvo Dynamic Steering, basic
- **ASFE-PS** Volvo Dynamic Steering with Personal Settings
- **PSP-FIX** Power steering pump with fixed displacement
- **PSP-VAR** Power steering pump with variable displacement
- **PSP-VAR2** Power steering pump with variable displacement (extra valve)
- **EBS-MED** EBS (Electronic Braking System), Medium package
- **EBS-STD** EBS (Electronic Braking System), Standard package
- **AUXPARK** Extra parking brake on one axle
- **RST-MUL** Rear multi-leaf springs
- **RST-PAR1** Rear parabolic leaf springs
- **RST-PAR5** Rear parabolic leaf springs
- **FST7070** Frame thickness - web 7.0 mm / flange 7.0 mm
- **FST8080** Frame thickness - web 8.0 mm / flange 8.0 mm
- **FIL-EEEB** 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-FBEF** Frame inner liner from front of bogie to end of frame
- **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
- **BATS-D** Dual battery system (2 vehicle batteries and 2 starter batteries)
- **BATS-S** Single battery system (2 batteries)
- **2BAT210C** AGM batteries, 2x210 Ah
- **2BATT170** Batteries, 2x170 Ah
- **2BATT225** Batteries, 2x225 Ah

MODEL RANGE

FM D13 64 Rigid Diesel Rear Leaf FM 64R 3L

■ BATTAMP □ BATTIND	Battery voltmeter and ammeter Battery voltmeter, ammeter and battery status gauge with visual alerts	□ RFEC-U	Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications)
□ ADR1 □ ADR2	ADR adaptation, 1 switch in dashboard ADR adaptation, 1 switch in dashboard, 1 outside on back of cab	□ C-RI4040 □ C-RI4045 □ C-RI5050 □ C-RO400G □ C-RO50 □ C-VBG520 □ C-VBG795	Coupling Ringfeder 4040A G-150 Coupling Ringfeder 4045A G-150 Coupling Ringfeder 5050A G-150 Coupling Rockinger 400 G-150 Coupling Rockinger 50 mm Coupling VBG 5200D Coupling VBG 795V
□ MSWI-A ■ MSWI-C □ MSWI-R	ADR main switch Main switch on chassis Key remote controlled main switch	□ 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.
■ R365A71	Right 365-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l	□ TREL-PK □ TREL14 □ TREL15 □ TREL7 □ TREL7-7	Trailer electrical preparation kit (chassis/cab wiring) 14-pin trailer connection 15-pin trailer connection (ADR certified) 7-pin trailer connection (ISO 24N) 2x7-pin trailer connection (ISO 24N+24S, non-ADR)
■ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 730l	□ TBC-EC	Trailer brake connection, European Community
□ ADTP-L ■ ADTP-R	AdBlue tank on left hand side AdBlue tank on right hand side	□ TRBR-HCF □ TRBR-HCR □ TRBR-STA	Full-pressure, hand-controlled trailer brake check (8 bar) Reduced-pressure, hand-controlled trailer brake check (4 bar) Stationary trailer brake check
□ ADB048 ■ ADB064	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	□ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
□ ADB068 □ ADB083 □ ADB090 □ ADB100 □ ADB112	AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side	□ RUP-FOLD □ RFEND-B □ RFEND-T □ RFH-BAS □ RFH-HIG □ RFH-LOW	Rear 3-piece mudguards (anti-spray) on all rear axles Transport mudguard Basic mudguard installation height on 2nd front axle and rear axles High mudguard installation height on 2nd front axle and rear axles Low mudguard installation height on 2nd front axle and rear axles
■ FCAP-L ■ FUFF-AS □ FUFF-ATS	Lockable diesel and AdBlue filler caps Fuel filling anti-spillage device Fuel filling anti-theft and anti-spillage device	□ ATANK-AL ■ ATANK-ST	Aluminium air tanks Steel air tanks
□ ESH-LEFT ■ ESH-REAR □ ESH-RIGH □ ESH-VERT □ ESV-VERT	Horizontal silencer, left exhaust outlet Horizontal silencer, rear exhaust outlet Horizontal silencer, right exhaust outlet Horizontal silencer, vertical exhaust outlet on right-hand side Vertical silencer, vertical exhaust outlet on right-hand side	□ 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)
□ EXST-SSP □ EXST-ST	Vertical exhaust top pipe, bright polished stainless steel Vertical exhaust top pipe, aluminised steel	■ 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/s ² or more. The function deactivates when retardation is less than 2.5 m/s ² .
□ HS-NAR □ WHC-FIX2 ■ WHC-FOL2	Muffler heat shield (EATS), narrow Two non-collapsible wheel chocks Two collapsible wheel chocks		
□ WHCP-F □ WHCP-M □ WHCP-R ■ WHCP-T	Wheel chock holder in the front part of the vehicle Wheel chock holder in the middle part of the vehicle Wheel chock holder in the rear part of the vehicle Wheel chock holder by-packed in cab outer luggage compartment		
□ TB-L80 □ TB-R80 □ SUP-BAS □ CHAIN-S □ HOOK-SC	Tool box on left-hand side, 205-litre - length 730 mm, height 590, depth 595 mm Right tool box, length 800 mm Standard side underrun protection, aluminium Snow chains Snow chain hooks		
■ TOWF-NO1 □ TOWF-NO2	One front towing device Two front towing devices		
□ TOWMBRL1 □ TOWMBRL1 □ TOWMBRM	Towing member, high-mounted in centre of frame Towing member, low-mounted under frame Towing member, medium-mounted in line with lower frame flange		
□ RFEC-L ■ RFEC-S	Tapered lower rear frame end (for centre axle drawbar) Straight-cut rear frame end		

■ 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 64 Rigid Diesel Rear Leaf FM 64R 3L

■ SWCP-TP	Spare wheel and carrier transport-mounted on top of frame	□ AIRIN-LO	Low air inlet
□ JACK-12T	Hydraulic jack, 12 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. Height 180-315 mm, weight 7.0 kg	□ ACL1ST-S	Air cleaner with extra filter element
□ JACK-15T	Hydraulic jack, 15 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. Height 225-438 mm, weight 9.4 kg	■ 24A110BL	Alternator 110 Ampere
■ 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	□ 24A150BL	Alternator 150 Ampere
■ TOOLKIT	This kit consists of a tool bag (case) including the following tools: • Combination screwdriver. – 1 screwdriver handle – 1 blade, Philips/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.	□ 24A180BL	Alternator 180 Ampere
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	□ 24AL110B	Alternator 110 Ampere
□ GAUGE-TP	Tyre pressure gauge	□ 24AL150B	Alternator 150 Ampere
Powertrain equipment		□ CCV-C	Closed crankcase ventilation
□ TRAP-HD	Reinforced gearbox range housing	□ CCV-O	Open crankcase ventilation
■ DRM-BE	I-Shift drive modes Economy, Standard and Performance	■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge
□ DRM-E	I-Shift drive mode Economy	□ FUEQ-EH	Fuel line electric heater
■ PVT-MTM	I-See	□ AF-E	Electrically heated fuel filter
■ CRUIS-E	I-Cruise cruise control, I-Roll included	■ AF-R	Hot fuel recirculation heated fuel filter
□ CRUIS-E5	I-Torque cruise control, optimized for fuel economy, I-Roll included	■ FUEFE2LW	Large engine-mounted dual fuel filter with water separator and drain
□ AMSO-AUT	I-Shift manual gear shifting available in automatic mode, including kick-down function	□ FUEFE2SW	Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
□ AVO-ENH	I-Shift with enhanced software for construction and off-road applications	■ EST-AID	Engine intake air heater
□ APF-ENH	I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection)	□ 220EBH15	Engine block heater, 220 V, 1.5 kW
□ RET-TH	Gearbox-mounted, hydrodynamic oil retarder	□ PTER-100	Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646
□ RET-TPT	Gearbox-mounted Powertronic primary retarder	□ PTER-DIN	Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653
□ TC-HWO	Cooler for hydraulic gearboxes - water/oil	□ PTER1400	Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647
□ TC-MAOH2	Extra high performance cooler for manual/I-shift gearboxes - air/oil	□ HPE-F101	Engine-mounted hydraulic pump F1-101, fixed displacement, single flow
■ TC-MWO	Basic performance cooler for manual/I-Shift gearboxes - water/oil	□ HPE-F41	Engine-mounted hydraulic pump F1-41, fixed displacement, single flow
□ TC-MWOH2	High performance cooler for manual/I-Shift gearboxes - water/oil	□ HPE-F51	Engine-mounted hydraulic pump F1-51, fixed displacement, single flow
□ 2COM1080	Dual-cylinder air compressor 704 cc, 1080 l/min	□ HPE-F61	Engine-mounted hydraulic pump F1-61, fixed displacement, single flow
□ 2COM1100	Dual-cylinder air compressor 760 cc, 1100 l/min	□ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow
■ 2COMP870	Dual-cylinder, two-stage air compressor 560 cc, 870 l/min	□ HPE-T53	Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow
□ 2COMP900	Dual-cylinder air compressor 636 cc, 900 l/min	□ HPE-T70	Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow
□ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel	□ HPE-V45	Engine-mounted hydraulic pump VP1-45, variable displacement, single flow
■ AIRIN-HI	High air inlet	□ HPE-V75	Engine-mounted hydraulic pump VP1-75, variable displacement, single flow
■ Standard Equipment	□ Optional Equipment	□ PTPT-D	Gearbox PTO, 1 front/upper connection DIN 5462/ISO 7653 for plug-in pump, 850 Nm
		□ PTPT-F	Gearbox PTO, 1 front/upper rear flange connection SAE 1410/ISO 7647 for propshaft, 850 Nm
		□ PTR-D	Gearbox low-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 1000 Nm
		□ PTR-DH	Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm
		□ PTR-DM	Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm
		□ PTR-F	Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm
		□ PTR-FH	Gearbox high-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm
		□ PTR-FL	Gearbox low-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm
		□ PTRD-D	Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm
		□ PTRD-D1	Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm
		□ PTRD-D2	Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm
		□ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm

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 64 Rigid Diesel Rear Leaf FM 64R 3L

- **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

Cab Interior, Driving

- **STWPOS-L** Left-hand drive
- **STWPOS-R** Right-hand drive
- **STWM-LE** Steering wheel material leather
- **STGW-AD2** Manually adjustable steering wheel with neck tilt
- **STGW-ADJ** Manually adjustable steering wheel
- **AIRBAG** Airbag on driver's side
- **DRC-AMII** Regeneration control for DPF, initiation: automatic or manual, inhibition: manual
- **DRC-AUTO** Regeneration control for DPF, fully automatic (in motion)
- **1DAYB** One-day analogue tachograph, basic
- **TAC-PK2** Preparation kit for tachograph
- **ARSL** Additional road speed limiter control (switch in dashboard)
- **ACCLF-D** Volvo torque assist - Disabled
- **ACCLF-E** Volvo torque assist - Enabled
- **ESP-BAS1** ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity
- **ESPC-RO** Electronic stability program functionality control, switch - On/Reduced/Off
- **HWSS-ACB** Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.
- **HWSS-FCB** Collision Warning with Emergency Brake (forward)
- **LSS-DW** Lane Keeping Support - lane departure warning
- **LSS-DW3** Pilot Assist - active, continuous lane keeping
- **LCS2** Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side
- **LCS3** Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side
- **LCS5** Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, both sides
- **DAS-W** Driver Alert Support
- **RSENS-W** Wipers rain sensor
- **CU-ECC** Automatic climate control with sun sensor
- **CU-ECC2** Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter
- **CU-MCC** Manual climate control (heater/cooler function)
- **IGT-BUT** Push-button ignition
- **IMMOBIL** Immobiliser
- **ALARM-E** Anti-theft alarm for cab, superstructure and trailer
- **PHONE-PK**
- **ISUNS-BS** Side interior roller blind on both sides, manually manoeuvred
- **ISUNS-DS** Side interior roller blind on driver's side, manually manoeuvred
- **ISUNF-B**
- **ISUNF-MD**
- **ISUNF-RE** Interior roller blind, integrated in front shelf, electrically manoeuvred
- **ISUNF-RM** Interior roller blind, integrated in front shelf, manually manoeuvred
- **ADFS** Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)

- **BUPALARM** Reversing warning
- **REMC-MF** Wireless remote control, multi-functional
- **FIREXT3S** Fire extinguisher 3 kg, Swedish/English decal
- **WARNVEST** Reflective vest, fulfils European standard EN 471 class 2
- **WARNTRI2** Two warning triangles
- **AIDKIT** First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.
- **AIDKIT1B** First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)
- **WARNLAMP** Portable amber and white warning lamp with batteries
- **LAMP-IN** Inspection lamp with 10 m cable
- **BULBKIT** Bulb and fuse kit
- **WRITEPAD** Writing pad with paper clamp

Cab Interior, Living

- **DST-CF1** Driver's seat Comfort
- **DST-CF4** Driver's seat Comfort, belt in seat
- **DST-CF5** Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
- **DST-CF6** Driver's seat Comfort, belt in seat, heated, ventilated
- **DST-LUX1** Driver's seat Deluxe, belt in seat, heated, ventilated
- **SBD-RED** Red safety belts, passenger and driver seats
- **SBPRE-DS** Driver's seat belt pretensioner
- **PST-BAS1** Passenger seat Basic, non-suspended
- **PST-CF4** Passenger seat Comfort, suspended, belt in seat
- **PST-CF5** Passenger seat Comfort, suspended, belt in seat, electrically heated
- **PST-STD2** Passenger seat Regular, non-suspended
- **PST-STD4** Passenger seat Regular, suspended
- **SBPRE-PS** Passenger seat belt pretensioner
- **ARMRE-BB** Two armrests on both driver's and passenger seats
- **ARMRE-DB** Two armrests on driver's seat
- **ARMRE-PB** Two armrests on passenger seat
- **ARU-BAS** Vinyl armrest upholstery
- **ARU-LEA** Leather armrest upholstery
- **FMAT-RUB** Black rubber floor mats
- **FMAT-TX2** Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
- **LBK70** Lower fixed bed 2000x700 mm, non-foldable, safety net included
- **MATL-FI** Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
- **MATL-SF** Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
- **OLMAT-BA** Overlay mattress, 28 mm thick black textile
- **OLMAT-PR** Overlay mattress Premium, 35 mm thick black textile
- **TBK60F** Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
- **TBK70F** Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
- **PH-CAB2** Cab parking heater, 2 kW
- **PH-ENGCA** Engine and cab parking heater
- **PH-SS** Short stop cab heater
- **SLCP-BAS** Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)
- **ETSB-F** Storage at front of engine tunnel
- **ETSB-FR** Storage at back of engine tunnel and at back, against rear cab wall

■ 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 64 Rigid Diesel Rear Leaf FM 64R 3L

☐ ETSB-FRS	Storage at front of engine tunnel and immersed in RH side of tunnel	☐ MIRCMS	Camera Monitor System
☐ ETSB-FS	Storage at back of engine tunnel, at back against rear cab wall and immersed in RH side of tunnel	☒ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror
☐ ETSB-R	Storage at back of engine tunnel, against rear cab wall	☒ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)
☐ ETSB-RS	Storage immersed in RH side of engine tunnel and at back against rear cab wall	☒ SUNV-H	Exterior front sun visor, transparent dark-grey
☐ ETSB-S	Storage immersed in RH side of engine tunnel	☐ AD-ROOF	Roof air deflector
☐ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)	☐ AD-SIDES	Cab side air deflectors, short
☐ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)	☒ HL-BASIC	Halogen H7 headlamps
☐ REF-ICPK	Preparation kit for refrigerator	☐ HL-LED	LED headlamps
☐ REFR-RUS	Refrigerator 28-litre, with dividers, on rear upper wall	☐ HL-LED3	LED headlamps with adaptive high beam
☐ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)	☐ HBDA-A	Automatic main beam deactivation and reactivation
☒ BOTH-D	One bottle holder under dashboard centre section	☐ HL-CLEAN	High-pressure headlamp cleaner
☐ COFMA-PK	Preparation kit (24 V) for coffee maker	☐ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)
☒ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	☐ HL-ADJ	Manually adjustable headlamp beam
☐ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	☒ DRL-LED	Daytime running lamps (LED)
☐ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	☐ UDRL	Without daytime running lamps
☐ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	☐ DRIVL2	Extra main beam
☒ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	☒ UDRIVL	Without extra main beam
☐ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	☒ FOGL-WC	White front fog lamps
☐ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	☐ CL-STAT	Static cornering lights
☐ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	☐ ASL-RF2	Two LED spot lamps in sign box
☒ GLAS-TIN	Tinted windows	☐ IDLAMP-A	Three amber identification lamps on mid front roof
☐ GLAS-UNT	Untinted windows	☐ IDLAMP-W	Three white identification lamps on mid front roof
☐ SWIND-BS	Rear side window on both sides	☐ IDLMPSW	Switch in cab for identification lamps
☐ SWIND-PS	Rear side window on passenger side	☐ BEACOA2F	Two amber LED beacons on cab front roof
☐ AWIND-RF	Fixed window in back of cab (without curtains)	☐ BEACOA2R	Two amber LED beacons on cab rear roof
☐ VANMIR	Vanity mirror in front shelf lid	☐ BEACON-P	Preparation kit for roof beacons
☐ AS-FUS	One extra shelf in each of the two front upper storage compartments	☐ BEACONA4	Four amber LED beacons on roof - two on front, two on rear
☐ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	☐ CABPT-R1	One front cab roof pass-through on passenger side
Cab exterior		☐ CABPT-R2	Two front cab roof pass-throughs, one on each side
☐ EXTL-BA2	Exterior trim level basic 2	☐ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
☒ EXTL-BAS	Exterior trim level basic	☐ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
☒ DGLAS-H	Tempered door window glass	☐ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
☐ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.	☐ ROS-IL	Roof sign illumination
☐ BUMP-B	Plastic front bumper	☐ ROS-IL2	Preparation kit for installation of roof sign illumination
☒ BUMP-B2	Steel front bumper	☐ ROS-ILP	Wiring kit for roof sign illumination
☐ BUMP-SP	Front bumper spoiler	☐ CSGN-GTR	Globetrotter decal in the roof sign box
☐ GUARD-EH	Guard plate for cooling pipes and oil sump	☒ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
☒ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	☐ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
☒ CTILTP-E	Electric cab tilt pump	☐ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
☐ FCABS-A	Air front cab suspension	☐ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
☒ FCABS-M	Mechanical front cab suspension	☐ ACCBP-F	Accessory bracket mounted on front roof
☐ RCABS-A	Air rear cab suspension	☐ ACCBP-FM	Accessory brackets mounted on front roof and midroof
☒ RCABS-M	Mechanical rear cab suspension	☐ ACCBP-FR	Accessory brackets mounted on front and rear roof
☐ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	☐ ACCBP-M	Accessory bracket mounted on midroof
☐ MIRCMCP	Camera Monitor System and passenger corner camera	☐ ACCBP-R	Accessory brackets mounted on mid-roof and rear roof
		☐ ACCBP-RM	Accessory bracket mounted on rear roof
		Superstructure preparations	
		☐ SRWL-2RW	2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)
		☐ SRWL-PK	Preparation kit for LED reverse/work lamps at rear chassis, 3-pos switch (On/Off/Reverse auto On)
		☐ SWL-2FW	2 white LED work lamps at front of chassis, and a 2-position switch (On/Off)
		☐ SWL-2RW	2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)

☒ 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 64 Rigid Diesel Rear Leaf FM 64R 3L

- **SWL-4W** 4 white LED work lamps on chassis (2 front, 2 rear) and a flexible switch (On/Off)
- **SWL-PK** Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
- **WL-CHPK** Preparation kit for work lamp (switch with cable to frame, by gearbox)
- **WLC-H2A**
- **WLC-H2W** 2 white LED work lamps, high-mounted on back of cab (switch included)
- **WLC-PKCH** Preparation kit (cables and switch) for work lamp inside or outside superstructure
- **WLC-PKH** Preparation kit (cables and switch) for high-mounted work lamps on back of cab
- **WLC-PKL** Preparation kit (cables and switch) for low-mounted work lamps on back of cab
- **WLC-PKLH** Preparation kit (cables and switch) for low- and high-mounted work lamps on back of cab
- **ECBB-BAS** Body builder electrical centre, prepared for body builder module
- **ECBB-HIG** Body builder electrical centre, body builder module with 14 high and 4 low digital outlets
- **ECBB-MED** Body builder electrical centre, body builder module with 7 high and 4 low digital outlets
- **BBCHAS1** One 7-pole bodywork connector on chassis
- **BBCHAS3** Three 7-pole bodywork connectors on chassis
- **BEPR-T2** Bodywork electrical and software preparation for tipper with remote control
- **EXSTER** Support for external steering control via body builder module
- **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".
- **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
- **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
- **TAILPRE2** Tail lift preparation kit, wireless remote operation
- **TAILPREP** Tail lift preparation kit
- **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)

Volvo Trucks. Driving Progress