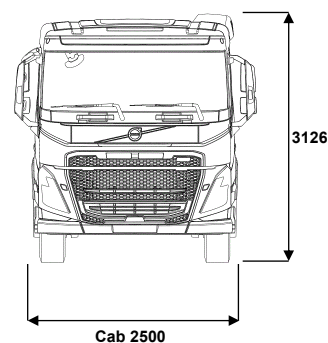
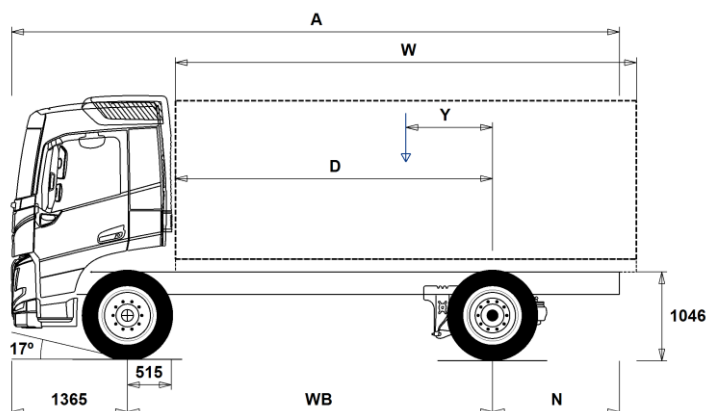


MODEL RANGE

FM D13 42 Rigid Diesel Rear Air FM 42R 3A



Chassis Dimensions [mm]

WB Wheelbase	3400	3700	4000	4300	4600	4900	5200	5600	6000	6300	6500	6700
A Overall Chassis Length	6660	7110	7510	8010	8510	8960	9460	10060	10660	11210	11560	11810
D Center of rear axle to front of body	2835	3135	3435	3735	4035	4335	4635	5035	5435	5735	5935	6135
N Rear Overhang (Min.)	795	795	795	795	795	795	1395	1395	1395	1395	1395	1395
N Rear Overhang (Max.)	1895	2045	2145	2345	2545	2695	2895	3095	3295	3545	3695	3745
Y Center of Gravity for Payload (Min.)	630	689	745	803	862	920	978	1054	1127	1179	1224	1257
Y Center of Gravity for Payload (Max.)	630	689	745	803	862	920	978	1054	1127	1179	1224	1257
W Body Length (Min.)	4412	4893	5381	5865	6348	6831	7316	7964	8617	9114	9425	9758
W Body Length (Max.)	4412	4893	5381	5865	6348	6831	7316	7964	8617	9114	9425	9758

Chassis Weights [kg]

Front Axle	4560	4555	4560	4560	4565	4560	4565	4570	4585	4615	4595	4610
Rear Axle	1825	1860	1895	1940	1980	2005	2050	2080	2125	2200	2195	2215
Kerb Weight	6385	6415	6455	6500	6545	6565	6615	6650	6710	6815	6790	6825
Payload (including body, driver, fuel, etc.)	13715	13685	13645	13600	13555	13535	13485	13450	13390	13285	13310	13275

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	12400	13400	14300	15200	16100	17000	17900	19200	20400	21300	21900	22500
Turning Circle Diameter Wall to Wall	13800	14800	15700	16600	17500	18400	19400	20600	21800	22700	23300	23900

Plated Weights [kg]

	Design
Gross Vehicle Weight	20100
Gross Combination Weight	44000
Front Axle	7100
Rear Axle	13000

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.

Height change when chassis height CHH-MED, FRAME266: 0 mm.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres: 315/80R22.5

Drive Axle Tyres: 315/80R22.5

Chassis weight includes oil, water, AdBlue, 0 litres fuel and without driver. Kerb weight can vary $\pm 3\%$.

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 FM42R3A.

MODEL RANGE

FM D13 42 Rigid Diesel Rear Air FM 42R 3A

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-SMOOT** Smooth road conditions: at least 95% of the driven distance is on well-maintained or less maintained surfaced roads. Driving may occur on poorly maintained surfaced roads, hard-packed sand, or gravel surfaces of good or bad quality.
- **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **CHH-LOW** Chassis height low - approx. 850 mm above ground level
- **CHH-MED** Chassis height medium - approx. 900 mm above ground level
- **CHH-XLOW** Chassis height extra low - approx. 810 mm above ground level
- **RAD-GR** Rear air suspension - one axle, driving
- **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
- **D13C460** Diesel engine, Euro 5, 12.8 litres, 460 hp/338 kW, 2300 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
- **SPO2812** Dual-clutch 12-speed semi-powershift gearbox with overdrive, 2800 Nm
- **ASO-C** One crawler gear
- **ASO-ULC** Two crawler gears, one crawler and one ultra-low crawler
- **RSH1370F** Rear hub reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version F
- **RSS1344C** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version C
- **RSS1344F** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version F
- **RSS1352B** Rear single reduction solo axle - axle load 13 tonnes, GCW 52 tonnes, version B
- **RSS1370B** Rear single reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version B
- **RSS1370C** Rear single reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version C

■ 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.

- **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)

Chassis

- **FST-AIR** Front air suspension
- **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **FST-PAR3** Three-leaf front parabolic springs (stiffer than normal)
- **FST-PL1** Two-leaf front parabolic springs, lightweight composite support leaf (normal stiffness)
- **FSLS-BAS** Basic levelling stroke in front air suspension (high ground clearance under front axle member)
- **FSLS-HI** High-range levelling stroke in front air susp. (reduced ground clearance under front axle member)
- **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
- **RAL11.5** Rear axle load 11.5 tonnes
- **RAL13** Rear axle load 13 tonnes
- **RSTAB3** Rear anti-roll bar, extra-high stiffness
- **ASF-DL1** Air suspension with one ride height
- **ASF-DL3** Air suspension with three ride heights
- **ACTST-TO** Volvo Dynamic Steering
- **ASFE-BAS** Volvo Dynamic Steering, basic
- **ASFE-OG** Volvo Dynamic Steering with Stability Assist
- **ASFE-PO** Volvo Dynamic Steering with Personal Settings and Stability Assist
- **ASFE-PS** Volvo Dynamic Steering with Personal Settings
- **PSS-SING** Single power steering system
- **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-AIR** Rear air springs
- **RST-AIR6** Rear air springs for hot climates
- **SUSPL-EC** Remote control for air suspension levelling
- **FRAME266** Frame rail section external height 266 mm
- **FRAME300** Frame rail section external height 300 mm
- **FST6060** Frame thickness - web 6.0 mm / flange 6.0 mm
- **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-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-S** Single battery system (2 batteries)
- **2BAT210C** AGM batteries, 2x210 Ah
- **2BATT170** Batteries, 2x170 Ah

MODEL RANGE

FM D13 42 Rigid Diesel Rear Air FM 42R 3A

☐ 2BATT225	Batteries, 2x225 Ah	☐ RFEC-L	Tapered lower rear frame end (for centre axle drawbar)
☒ BATTAMP	Battery voltmeter and ammeter	☒ RFEC-S	Straight-cut rear frame end
☐ BATTIND	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	ADR adaptation, 1 switch in dashboard	☐ C-RI4040	Coupling Ringfeder 4040A G-150
☐ ADR2	ADR adaptation, 1 switch in dashboard, 1 outside on back of cab	☐ C-RI4045	Coupling Ringfeder 4045A G-150
☐ MSWI-A	ADR main switch	☐ C-RI5050	Coupling Ringfeder 5050A G-150
☒ MSWI-C	Main switch on chassis	☐ C-RO400G	Coupling Rockinger 400 G-150
☐ MSWI-R	Key remote controlled main switch	☐ C-RO50	Coupling Rockinger 50 mm
☒ R330A71	Right 330-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 285l Max volume 810l	☐ C-VBG520	Coupling VBG 5200D
☒ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 730l	☐ C-VBG795	Coupling VBG 795V
☐ ADTP-L	AdBlue tank on left hand side	☐ 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.
☐ ADTP-R	AdBlue tank on right hand side	☒ TREL-PK	Trailer electrical preparation kit (chassis/cab wiring)
☐ ADB048	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side	☐ TREL14	14-pin trailer connection
☒ ADB064	AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	☐ TREL15	15-pin trailer connection (ADR certified)
☐ ADB068	AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side	☐ TREL7	7-pin trailer connection (ISO 24N)
☐ ADB083	AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side	☐ TREL7-7	2x7-pin trailer connection (ISO 24N+24S, non-ADR)
☐ ADB090	AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side	☐ TBC-DUO	Trailer brake connection, Duomatic
☐ ADB100	AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side	☐ TBC-EC	Trailer brake connection, European Community
☐ ADB112	AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side	☐ TRBR-HCF	Full-pressure, hand-controlled trailer brake check (8 bar)
☐ ADTC-BF	AdBlue tank cover, silver metallic	☐ TRBR-HCR	Reduced-pressure, hand-controlled trailer brake check (4 bar)
☒ FCAP-L	Lockable diesel and AdBlue filler caps	☐ TRBR-STA	Stationary trailer brake check
☒ FUFF-AS	Fuel filling anti-spillage device	☐ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
☐ FUFF-ATS	Fuel filling anti-theft and anti-spillage device	☐ RUP-FOLD	Foldable and slidable aluminium rear underrun protection, not UN/ECE R58.03 compliant
☐ ESH-LEFT	Horizontal silencer, left exhaust outlet	☐ RUP-FOSL	Foldable and slidable aluminium rear underrun protection, not UN/ECE R58.03 compliant
☒ ESH-REAR	Horizontal silencer, rear exhaust outlet	☐ RFEND-B	Rear 3-piece mudguards (anti-spray) on all rear axles
☐ ESH-RIGH	Horizontal silencer, right exhaust outlet	☐ RFEND-T	Transport mudguard
☐ ESH-VERT	Horizontal silencer, vertical exhaust outlet on right-hand side	☐ RFH-BAS	Basic mudguard installation height on 2nd front axle and rear axles
☐ ESV-VERT	Vertical silencer, vertical exhaust outlet on right-hand side	☐ RFH-HIG	High mudguard installation height on 2nd front axle and rear axles
☐ EXST-SSP	Vertical exhaust top pipe, bright polished stainless steel	☐ RFH-LOW	Low mudguard installation height on 2nd front axle and rear axles
☐ EXST-ST	Vertical exhaust top pipe, aluminised steel	☐ ATANK-AL	Aluminium air tanks
☐ WHC-FIX1	One non-collapsible wheel chock	☒ ATANK-ST	Steel air tanks
☐ WHC-FIX2	Two non-collapsible wheel chocks	☐ 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)
☐ WHC-FOL1	One collapsible wheel chock	☒ 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 .
☐ WHC-FOL2	Two collapsible wheel chocks	☐ FRACLOS	Frame end closing
☐ WHCP-F	Wheel chock holder in the front part of the vehicle	Rims and tyres	
☐ WHCP-M	Wheel chock holder in the middle part of the vehicle	☐ RT-AL	Brushed aluminium rims with standard holes (long stud fixing) on all axles
☐ WHCP-R	Wheel chock holder in the rear part of the vehicle	☐ RT-AL1	LvL ONE® smooth and glossy aluminium rims with standard holes (long stud fixing) on all axles
☐ WHCP-T	Wheel chock holder by-packed in cab outer luggage compartment	☐ RT-AL1DU	LvL ONE® smooth and glossy aluminium rims with countersunk holes (short stud fixing) on all axles
☐ TB-R80	Tool box on right-hand side, 205-litre - width 730 mm, height 590, depth 595 mm	☐ RT-ALDP	Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles
☐ SUP-BAS	Standard side underrun protection, aluminium	☐ RT-ALDPD	Dura-Bright® polished aluminium rims with countersunk holes (short stud fixing) on all axles
☐ CHAIN-S	Snow chains	☐ RT-ALDU	Brushed aluminium rims with countersunk holes (short stud fixing) on all axles
☒ TOWF-NO1	One front towing device	☒ RT-STEEL	Steel rims on all axles
☐ TOWF-NO2	Two front towing devices	☐ WCAP	Wheel caps
☐ TOWMBRH	Towing member, high-mounted in centre of frame		
☐ TOWMBRL1	Towing member, low-mounted under frame		
☐ TOWMBRL2	Towing member, low and forward-mounted under frame		
☐ TOWMBRL3	Towing member, low and far-forward-mounted under frame		
☐ TOWMBRM	Towing member, medium-mounted in line with lower frame flange		

■ 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 42 Rigid Diesel Rear Air FM 42R 3A

□ SPWT-D	Spare driving wheel	□ 2COM1080	Dual-cylinder air compressor 704 cc, 1080 l/min
□ SPWT-F	Spare front wheel	□ 2COM1100	Dual-cylinder air compressor 760 cc, 1100 l/min
□ SWCP-LF	Spare wheel carrier on left side in front of rear axle	■ 2COMP870	Dual-cylinder, two-stage air compressor 560 cc, 870 l/min
□ SWCP-R	Spare wheel carrier mounted behind rear axle	□ 2COMP900	Dual-cylinder air compressor 636 cc, 900 l/min
□ SWCP-T	Spare wheel transport-mounted on top of frame	■ AIRIN-HI	High air inlet
□ 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-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	■ 24A110BL	Alternator 110 Ampere
■ TOOL-BAS	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.	□ 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	□ PRIM-EL	Electrical priming pump for removal of air in the fuel system
□ DRM-E	I-Shift drive mode Economy	■ PRIM-MAN	Manual priming pump for removal of air in the fuel system
□ PVT-BAS	I-See	□ FUEQ-EH	Fuel line electric heater
■ CRUIS-E	I-Cruise cruise control, I-Roll included	□ AF-E	Electrically 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	□ HPE-F101	Engine-mounted hydraulic pump F1-101, fixed displacement, single flow
□ TC-MAOH2	Extra high performance cooler for manual/I-shift gearboxes - air/oil	□ HPE-F41	Engine-mounted hydraulic pump F1-41, fixed displacement, single flow
□ TC-MWO	Basic performance cooler for manual/I-Shift gearboxes - water/oil	□ HPE-F51	Engine-mounted hydraulic pump F1-51, fixed displacement, single flow
□ TC-MWOH2	High performance cooler for manual/I-Shift gearboxes - water/oil	□ HPE-F61	Engine-mounted hydraulic pump F1-61, fixed displacement, single flow
		□ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow
		□ HPE-T53	Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow
		□ HPE-T70	Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow
		□ HPE-V45	Engine-mounted hydraulic pump VP1-45, variable displacement, single flow
		□ HPE-V75	Engine-mounted hydraulic pump VP1-75, variable displacement, single flow
		□ 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

■ 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 42 Rigid Diesel Rear Air FM 42R 3A

□ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm	□ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)
□ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow	□ BUPALARM	Reversing warning
□ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow	□ LOADIND	Load indicator, shown in instrument display and side display
□ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow	□ REMC-MF	Wireless remote control, multi-functional
□ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow	□ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal
□ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow	□ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2
Cab Interior, Driving		■ WARNTRI2	Two warning triangles
■ STWPOS-R	Right-hand drive	□ AIDKIT	First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.
□ STWM-LE	Steering wheel material leather	□ AIDKIT1B	First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)
□ STGW-AD2	Manually adjustable steering wheel with neck tilt	□ WARNLAMP	Portable amber and white warning lamp with batteries
■ STGW-ADJ	Manually adjustable steering wheel	□ LAMP-IN	Inspection lamp with 10 m cable
□ AIRBAG	Airbag on driver's side	□ BULBKIT	Bulb and fuse kit
□ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual	□ WRITEPAD	Writing pad with paper clamp
■ DRC-AUTO	Regeneration control for DPF, fully automatic (in motion)	Cab Interior, Living	
□ 1DAYB	One-day analogue tachograph, basic	■ DST-CF1	Driver's seat Comfort
□ 1DAYDIG	One-day digital tachograph, EC approved	□ DST-CF4	Driver's seat Comfort, belt in seat
□ ARSL	Additional, temporary road speed limiter control (switch in dashboard)	□ DST-CF5	Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
□ SPEED-DU	Dual speed limiter	□ DST-CF6	Driver's seat Comfort, belt in seat, heated, ventilated
■ ACCLF-D	Volvo torque assist - Disabled	□ DST-LUX1	Driver's seat Deluxe, belt in seat, heated, ventilated
□ ACCLF-E	Volvo torque assist - Enabled	□ DST-STD2	Driver's seat Standard, belt in seat
■ ESP-BAS1	ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity	□ SBD-RED	Red safety belts, passenger and driver seats
□ ESPC-RO	Electronic stability program functionality control, switch - On/Reduced/Off	□ SBPRE-DS	Driver's seat belt pretensioner
□ HWSS-ACB	Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.	□ PST-BAS1	Passenger seat Basic, non-suspended
□ HWSS-FCB	Collision Warning with Emergency Brake (forward)	□ PST-CF4	Passenger seat Comfort, suspended, belt in seat
■ LSS-DW	Lane Keeping Support - lane departure warning	□ PST-CF5	Passenger seat Comfort, suspended, belt in seat, electrically heated
□ LSS-DW3	Pilot Assist - active, continuous lane keeping	■ PST-STD2	Passenger seat Regular, non-suspended
□ LKE-TBO	Lane keeping at emergency, tyre blowout	□ PST-STD4	Passenger seat Regular, suspended
□ LCS2	Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side	□ SBPRE-PS	Passenger seat belt pretensioner
□ LCS4	Side Collision Avoidance Support, side collision warning, both sides	□ ARMRE-BB	Two armrests on both driver's and passenger seats
□ DAS-W	Driver Alert Support	□ ARMRE-DB	Two armrests on driver's seat
□ RSENS-W	Wipers rain sensor	□ ARMRE-PB	Two armrests on passenger seat
□ CU-ECC	Automatic climate control with sun sensor	□ ARU-BAS	Vinyl armrest upholstery
□ CU-ECC2	Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter	□ ARU-LEA	Leather armrest upholstery
■ CU-MCC	Manual climate control (heater/cooler function)	■ FMAT-RUB	Black rubber floor mats
□ IGT-BUT	Push button ignition	□ FMAT-TX2	Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
■ IMMOBIL	Immobiliser	□ LBK70	Lower fixed bed 2000x700 mm, non-foldable, safety net included
□ ALARM-E	Anti-theft alarm for cab, superstructure and trailer	□ MATL-FI	Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
□ PHONE-PK		□ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
□ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred	□ OLMAT-BA	Overlay mattress, 28 mm thick black textile
■ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred	□ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile
□ ISUNF-B		□ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
□ ISUNF-MD		□ TBK70F	Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
□ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred	□ PH-CAB2	Cab parking heater, 2 kW
■ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred	□ SLCP-BAS	Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)
		□ ETSB-F	Storage at front of engine tunnel

■ 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 42 Rigid Diesel Rear Air FM 42R 3A

☐ ETSB-FR	Storage at back of engine tunnel and at back, against rear cab wall	☐ AD-ROOF	Roof air deflector
☐ ETSB-R	Storage at back of engine tunnel, against rear cab wall	☐ AD-SIDES	Cab side air deflectors, short
☐ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)	■ HL-BASIC	Halogen H7 headlamps
☐ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)	☐ HL-LED	LED headlamps
☐ REF-ICPK	Preparation kit for refrigerator	☐ HL-LED3	LED headlamps with adaptive high beam
☐ REFR-RUS	Refrigerator 28-litre, with dividers, on rear upper wall	☐ HBDA-A	Automatic main beam deactivation and reactivation
☐ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)	☐ HL-CLEAN	High-pressure headlamp cleaner
☐ BOTH-D	One bottle holder under dashboard centre section	☐ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)
☐ COFMA-PK	Preparation kit (24 V) for coffee maker	☐ HL-ADJ	Manually adjustable headlamp beam
■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	■ DRL-LED	Daytime running lamps (LED)
☐ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	☐ UDRL	Without daytime running lamps (LED)
☐ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	☐ DRIVL2	Extra main beam
☐ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	■ UDRVL	Without extra main beam
■ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	■ FOGL-WC	White front fog lamps
☐ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	☐ CL-STAT	Static cornering lights
☐ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	☐ ASL-RF2	Two LED spot lamps in sign box
☐ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	☐ IDLAMP-A	Three amber identification lamps on mid front roof
■ GLAS-TIN	Tinted windows	☐ IDLAMP-W	Three white identification lamps on mid front roof
☐ GLAS-UNT	Untinted windows	☐ IDLMPSW	Switch in cab for identification lamps
☐ AWIND-RF	Fixed window in back of cab (without curtains)	☐ BEACOA2F	Two amber LED beacons on cab front roof
☐ VANMIR	Vanity mirror in front shelf lid	☐ BEACOA2R	Two amber LED beacons on cab rear roof
☐ AS-FUS	One extra shelf in each of the two front upper storage compartments	☐ BEACON-P	Preparation kit for roof beacons
☐ 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-BAS	Exterior trim level basic	☐ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
■ DGLAS-H	Tempered door window glass	☐ SPOTP-R	Preparation kit for spot lamp in cab roof, 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.	☐ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
■ BUMP-B	Plastic front bumper	☐ ROS-IL	Roof sign illumination
☐ BUMP-B2	Steel front bumper	☐ ROS-IL2	Preparation kit for installation of roof sign illumination
☐ BUMP-SP	Front bumper spoiler	☐ ROS-ILP	Wiring kit for roof sign illumination
☐ GUARD-EH	Guard plate for cooling pipes and oil sump	☐ CSGN-GTR	Globetrotter decal in the roof sign box
■ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	■ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
☐ CTILTP-E	Electric cab tilt pump	☐ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
■ CTILTP-M	Manual 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
■ MIRCMS	Camera Monitor System	☐ ACCBP-RM	Accessory bracket mounted on rear roof
■ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	☐ REFS-TW	Reflecting white cab side stripes by-packed in cab
■ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)	☐ REFS-TY	Reflecting yellow cab side stripes by-packed in cab
☐ SUNV-H	Exterior front sun visor, transparent dark-grey	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)
		☐ 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)

■ 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 42 Rigid Diesel Rear Air FM 42R 3A

- **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** Trailer detection with LED sensor
- **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
- **TSRS** Road sign recognition
- **TSRS2** Road sign recognition (not ISA compliant)