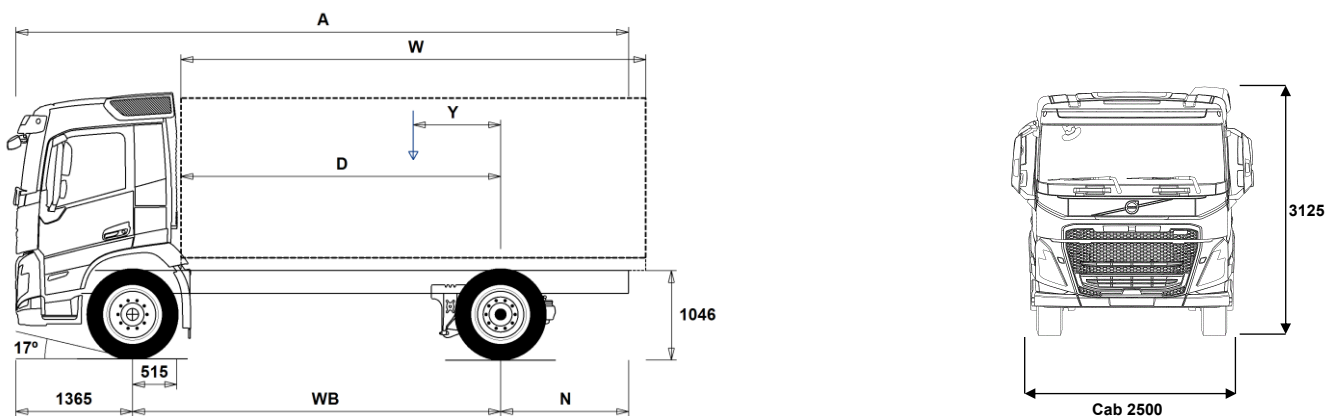


MODEL RANGE

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.)	293	323	348	375	402	430	455	489	519	532	560	568
Y Center of Gravity for Payload (Max.)	454	498	538	580	622	666	706	761	812	842	879	899
W Body Length (Min.)	4764	5276	5796	6311	6827	7341	7859	8550	9249	9787	10070	10070
W Body Length (Max.)	5085	5627	6177	6722	7268	7812	8361	9093	9834	10070	10070	10070

Chassis Weights [kg]

Front Axle	4590	4580	4590	4590	4590	4590	4595	4600	4615	4645	4625	4640
Rear Axle	1825	1860	1900	1940	1980	2010	2050	2080	2125	2200	2195	2215
Kerb Weight	6415	6440	6490	6530	6570	6600	6645	6680	6740	6845	6820	6855
Payload (including body, driver, fuel, etc.)	10585	10560	10510	10470	10430	10400	10355	10320	10260	10155	10180	10145

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]

	Plated	Design
Gross Vehicle Weight	17000	20100
Gross Combination Weight	0	44000
Front Axle	6000	7100
Rear Axle	11500	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-MED** Chassis height medium - approx. 900 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
- **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
- **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

- **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

- **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-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-D** Dual battery system (2 vehicle batteries and 2 starter batteries)

■ Standard Equipment

□ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

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■ BATS-S Single battery system (2 batteries) □ 2BAT210C AGM batteries, 2x210 Ah ■ 2BATT170 Batteries, 2x170 Ah □ 2BATT225 Batteries, 2x225 Ah ■ BATTAMP Battery voltmeter and ammeter □ BATTIND Battery voltmeter, ammeter and battery status gauge with visual alerts □ ADR1 ADR adaptation, 1 switch in dashboard □ ADR2 ADR adaptation, 1 switch in dashboard, 1 outside on back of cab □ MSWI-A ADR main switch ■ MSWI-C Main switch on chassis □ MSWI-R Key remote controlled main switch ■ R405A71 Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l ■ UL-FUEL Without left side fuel tank Min volume 160l Max volume 730l □ ADTP-L AdBlue tank on left hand side ■ ADTP-R AdBlue tank on right hand side □ 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 □ ADB068 AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side □ ADB083 AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side □ ADB090 AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side □ ADB100 AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side □ ADB112 AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side □ ADTC-BF AdBlue tank cover, silver metallic ■ 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-LEFT Horizontal silencer, left exhaust outlet ■ 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 □ HS-NAR Muffler heat shield (EATS), narrow □ WHC-FIX1 One non-collapsible wheel chock □ WHC-FIX2 Two non-collapsible wheel chocks □ WHC-FOL1 One collapsible wheel chock ■ WHC-FOL2 Two collapsible wheel chocks □ WHCP-F Wheel chock holder in the front part of the vehicle □ WHCP-M Wheel chock holder in the middle 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 □ TB-R80 Right tool box, length 800 mm □ SUP-BAS Standard side underrun protection, aluminium □ CHAIN-S Snow chains □ HOOK-SC Snow chain hooks ■ TOWF-NO1 One front towing device □ TOWF-NO2 Two front towing devices □ TOWMBRM Towing member, high-mounted in centre of frame	□ TOWMBRL1 Towing member, low and forward-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 □ RFEC-L Tapered lower rear frame end (for centre axle drawbar) ■ 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-RO400G Coupling Rockinger 400 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-HCF Full-pressure, hand-controlled trailer brake check (8 bar) □ 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 □ RUP-FOLD □ RFEND-B Rear 3-piece mudguards (anti-spray) on all rear axles □ RFEND-T Transport mudguard □ 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.
Rims and tyres	
□ RT-AL Brushed aluminium rims with standard holes (long stud fixing) on all axles □ RT-AL1 LVL ONE® smooth and glossy aluminium rims with standard holes (long stud fixing) on all axles □ RT-AL1DU LVL ONE® smooth and glossy aluminium rims with countersunk holes (short stud fixing) on all axles □ RT-ALDP Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles □ RT-ALDPD Dura-Bright® polished aluminium rims with countersunk holes (short stud fixing) on all axles □ RT-ALDU Brushed aluminium rims with countersunk holes (short stud fixing) on all axles ■ RT-STEEL Steel rims on all axles	

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☐ WCAP	Wheel caps	☐ 2COM1100	Dual-cylinder air compressor 760 cc, 1100 l/min
☐ SPWT-D	Spare driving wheel	■ 2COMP870	Dual-cylinder, two-stage air compressor 560 cc, 870 l/min
■ SPWT-F	Spare front wheel	☐ 2COMP900	Dual-cylinder air compressor 636 cc, 900 l/min
☐ SWCP-LF	Spare wheel carrier on left side in front of rear axle	☐ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel
☐ SWCP-R	Spare wheel carrier mounted behind rear axle	■ AIRIN-HI	High air inlet
☐ SWCP-T	Spare wheel transport-mounted on top of frame	■ AIRIN-LO	Low air inlet
■ SWCP-TP	Spare wheel and carrier transport-mounted on top of frame	☐ ACL1ST-S	Air cleaner with extra filter element
☐ 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	■ 24A110BL	Alternator 110 Ampere
☐ 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	☐ 24A150BL	Alternator 150 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	☐ 24A180BL	Alternator 180 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.	☐ 24AL110B	Alternator 110 Ampere
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	☐ 24AL150B	Alternator 150 Ampere
☐ GAUGE-TP	Tyre pressure gauge	☐ CCV-C	Closed crankcase ventilation
Powertrain equipment		☐ CCV-O	Open crankcase ventilation
☐ TRAP-HD	Reinforced gearbox range housing	■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge
■ DRM-BE	I-Shift drive modes Economy, Standard and Performance	☐ FUEQ-EH	Fuel line electric heater
■ DRM-E	I-Shift drive mode Economy	☐ AF-E	Electrically heated fuel filter
■ PVT-MTM	I-See	■ AF-R	Hot fuel recirculation heated fuel filter
■ CRUIS-E	I-Cruise cruise control, I-Roll included	■ FUEFE2LW	Large engine-mounted dual fuel filter with water separator and drain
☐ CRUIS-E5	I-Torque cruise control, optimized for fuel economy, I-Roll included	☐ FUEFE2SW	Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
☐ AMSO-AUT	I-Shift manual gear shifting available in automatic mode, including kick-down function	■ EST-AID	Engine intake air heater
☐ AVO-ENH	I-Shift with enhanced software for construction and off-road applications	☐ 220EBH15	Engine block heater, 220 V, 1.5 kW
☐ APF-ENH	I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection)	☐ PTER-100	Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646
☐ RET-TH	Gearbox-mounted, hydrodynamic oil retarder	☐ PTER-DIN	Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653
☐ RET-TPT	Gearbox-mounted Powertronic primary retarder	☐ PTER1400	Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647
☐ 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
☐ 2COM1080	Dual-cylinder air compressor 704 cc, 1080 l/min	☐ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow
■ Standard Equipment	☐ Optional Equipment	☐ 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

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□ PTRD-D1	Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm	□ ISUNF-MD	
□ PTRD-D2	Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm	□ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred
□ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm	■ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred
□ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow	□ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)
□ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow	■ BUPALARM	Reversing warning
□ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow	□ LOADIND	Load indicator, shown in instrument display and side display
□ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow	□ REMC-MF	Wireless remote control, multi-functional
□ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow	■ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal
Cab Interior, Driving		■ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2
■ STWPOS-L	Left-hand drive	■ 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
■ TAC-PK2	Preparation kit for tachograph	■ DST-CF4	Driver's seat Comfort, belt in seat
□ ARSL	Additional road speed limiter control (switch in dashboard)	□ DST-CF5	Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
■ ACCLF-D	Volvo torque assist - Disabled	□ DST-CF6	Driver's seat Comfort, belt in seat, heated, ventilated
□ ACCLF-E	Volvo torque assist - Enabled	□ DST-LUX1	Driver's seat Deluxe, belt in seat, heated, ventilated
■ 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
□ LCS2	Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side	□ PST-STD4	Passenger seat Regular, suspended
□ LCS3	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side	□ SBPRE-PS	Passenger seat belt pretensioner
□ LCS5	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, 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
□ RESENS-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
		□ 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

■ Standard Equipment

□ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

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MODEL RANGE

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

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

☒ Standard Equipment

☐ Optional Equipment

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MODEL RANGE

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

□ SRWL-2RW	2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)	□ TSRS2	Road sign recognition (not ISA compliant)
□ 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)		
□ 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		

Volvo Trucks. Driving Progress