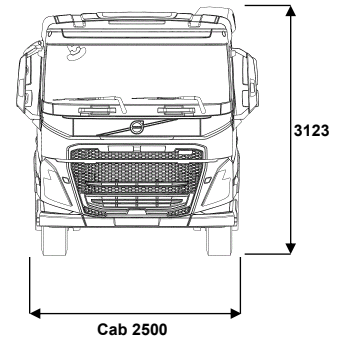
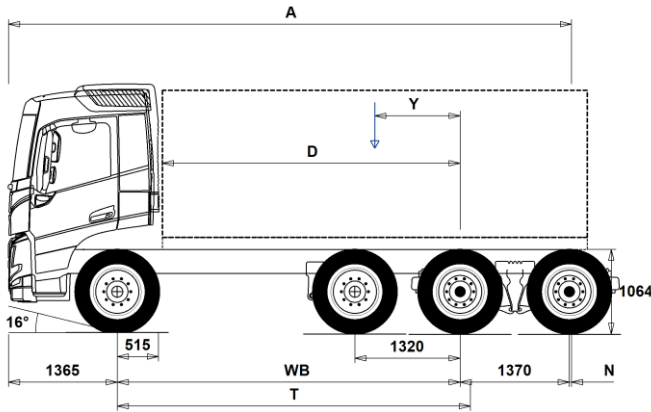


MODEL RANGE

FM 13 8x4 Rigid - Pusher Axle Tridem – contact sales engineering reference



Chassis Dimensions [mm]

WB Wheelbase	4300	4600	4900	5100	5300	5600
A Overall Chassis Length	9410	9860	10310	10410	10610	10810
D Center of rear axle to front of body	3735	4035	4335	4535	4735	5035
N Rear Overhang (Min.)	825	825	825	825	825	825
N Rear Overhang (Max.)	2375	2525	2675	2575	2575	2475
T Theoretical Wheelbase	4428	4728	5028	5228	5428	5728
Y Center of Gravity for Payload (Min.)	-335	-342	-346	-368	-376	-394
Y Center of Gravity for Payload (Max.)	523	576	630	652	684	728

Chassis Weights [kg]

Front Axle	5230	5200	5165	5205	5200	5215
Rear Bogie	4290	4345	4395	4440	4465	4495
Kerb Weight	9520	9545	9560	9645	9665	9710
Payload (including body, driver, fuel, etc.)	18830	18805	18790	18705	18685	18640

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	17300	18200	19100	19700	20300	21300
Turning Circle Diameter Wall to Wall	18700	19600	20500	21100	21800	22700

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	28350	36000
Gross Combination Weight	31180	44000
Front Axle	8000	9000
Rear Bogie	24000	27000

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,FRAME300: 0 mm.

Weight and dimensions are based upon the following tyres:
 Front Axle Tyres: 315/80R22.5
 Drive Axle Tyres: 315/80R22.5
 Trailing/Pusher Axle Tyres: 315/80R22.5

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

Turning diameters are theoretically calculated. Tag axle used: PA-HYDRS.

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 FM84RP3A.

MODEL RANGE

FM 13 8x4 Rigid - Pusher Axle Tridem – contact sales engineering reference

TRUCK USE

- RC-ROUGH** Road conditions - On / off-road
- RC-SMOOTH** Road Conditions - Smooth
- GARB-PRE** Transport Adaption - Refuse preparation
- TIPP-PRE** Transport Adaption - Tipper vehicle preparation
- UNIFORM** Transport Adaption - Basic platform vehicle

CORE COMPONENTS

- CHH-HIGH** Chassis height - High - for loading heights check the unique BEP chassis drawing attached to this quote
- CHH-MED** Chassis height - Medium - for loading heights check the unique BEP chassis drawing attached to this quote
- PU-EHYS2** Pusher axle - Electro-hydraulically steered
- RAPDD-GR** Rear air suspension, 3 axles - 1 pusher/2 driven
- FM-DAY6** Cab - Day - with steel safety cage design
Designed and built to Swedish impact and ECE R29 regulations
- FM-HSLP6** Cab - Globetrotter sleeper, with steel safety cage design
Designed and built to Swedish impact and ECE R29 regulations
- FM-LDAY6** Cab - Low Day - with steel safety cage design
Designed and built to Swedish impact and ECE R29 regulations
- FM-LSLP6** Cab - Low sleeper, with steel safety cage design
Designed and built to Swedish impact and ECE R29 regulations
- FM-SLP6** Cab - Sleeper, with steel safety cage design
Designed and built to Swedish impact and ECE R29 regulations
- EU6SCR** Emission level - Euro VI step E
- D13S420A** Engine - New D13K420 12.8 litre developing 420hp at 14-1800rpm.
Peak torque 2100Nm at 860 -1400rpm.
- D13S460A** Engine - New D13K460 12.8 litre developing 460hp at 14-1800rpm.
Peak torque 2300Nm at 900-1400rpm.
- D13S500A** Engine - New D13K500 12.8 litre developing 500hp at 14-1800rpm.
Peak torque 2500Nm at 1000-1400rpm.
- D13K420** D13K420 - 420hp engine
- D13K460** D13K460 - 460hp engine
- D13K500** D13K500 - 500hp engine
- DIESEL** Fuel Type - Diesel
- EBR-EPG** Engine brake type - Exhaust brake controlled by steering column switch
- EBR-EPGC** Engine brake type - Exhaust pressure governor for I shift gearbox
- EBR-VEB+** Engine brake type - Volvo engine brake + and exhaust pressure governor, enhanced performance from additional exhaust rocker control. Max Retardation D13-375kW / D17-525kW
- AT2612** Gearbox - AT2612 12-speed "I-Shift" automated mechanical suitable for gross train weights up to 60 tonne only.
Refer to sales engineering when used in conjunction with a PTO
- AT2812** Gearbox - AT2812 12-speed I-Shift automated mechanical suitable for gross train weights up to 60 tonne.
Refer to sales engineering when used in conjunction with a PTO
- ATO2612** Gearbox - ATO2612F 12-speed I-Shift overdrive automated mechanical, suitable for gross train weights up to 100 tonne.
Refer to sales engineering when used in conjunction with a PTO
- ATO3112** Gearbox - ATO3112 12-speed I-Shift overdrive automated mechanical, suitable for gross train weights up to 60tonne.
Refer to sales engineering when used in conjunction with a PTO
- PT2606** Gearbox - Powertronic automatic 6-speed, max. engine torque 2600 Nm, max. permitted GCW 130000 kg

- SPO2812** Gearbox - SPO2812 - 12-speed I-shift Dual Clutch automated mechanical GCW 60tonne
- ASO-C** Crawler gear -
Ratio direct top gearbox 19:1
Ratio Overdrive gearbox 17:1
- ASO-ULC** Ultra low crawler and crawler gear -
Ratios direct top gearbox 32:1 and 19:1
Ratios Overdrive box 32:1 and 17:1
- RTH2610B** Drive axles - RTH2610B 26-tonne hub reduction tandem with differential and cross locks* - design GCW 100tonne, 4 planetary gears
* Cross locks replaced by a dog clutch if tandem axle lift is specified.
- RTH2610F** Drive axles - RTH2610F 26-tonne hub reduction tandem with differential and cross locks* - design GCW 100tonne
* Cross locks replaced by a dog clutch if tandem axle lift is specified.
- RTS2310A** Drive axles - RTS2310A 23-tonne single reduction tandem with differential and cross locks* - design GCW 100tonne
* Cross locks replaced by a dog clutch if tandem axle lift is specified
- RTS2370A** Drive axles - RTS2370A 23-tonne single reduction tandem with differential and cross locks*- design GCW 70tonne
* Cross locks replaced by a dog clutch if tandem axle lift is specified

PACKAGES

- NCAP2025**
- FP-D13** Fuel Package
- DRIV-EXT** Cab package - Drive Extended
- DRIV-SEL** Cab Package - Drive Select
- 1LIVINFM** Sleep & Resting Package - Living one-bed
- 2LIVINFM** Sleep & Resting Package - Living two-bed
- INFOHIGH** Media Information Platform - Medium level
- SAFE-SEL** Safety Package - Select
- CHASPAC** Chassis Package Rigid

CHASSIS

- FST-AIR** Front suspension type - Air
- FST-PAR** Front suspension type - 2 leaf parabolic springs
- FST-PAR3** Front suspension type - 3 leaf parabolic springs
- FST-PL1** Front suspension type - Lightweight 2 leaf parabolic springs - top leaf steel - lower composite
- FSLs-BAS** Front suspension levelling - basic stroke
- FSLs-HI** Front suspension levelling - high stroke for demount operations - check with bodybuilder
- FAL10.0** Front axle design capacity - 10 tonne - check tyre capacity
- FAL9.0** Front axle design capacity - 9.0 tonne - check tyre capacity
- FSM-LUB** Front suspension maintenance - Lubricated rear shackles on pins and bushings
- FSTAB** Front anti-roll bar - Normal stiffness
- FSTAB2** Front anti-roll bar - Medium stiffness
- FSTAB3** Front anti-roll bar - High stiffness
- RAL27** Rear bogie design capacity - 27 tonne
- RAL30.5** Rear Bogie Design Capacity - 30.5 tonne
- RAL32** Rear bogie design capacity - 32 tonne
- RAL35** Rear Bogie Design Capacity - 35 tonne
- RSTAB3** Rear anti-roll bar - Stiff
- RALIM105** Rear-axle load limiter - 10.5 tonne - speed controlled
- RALIM115** Rear-axle load limiter -11.5 tonne - speed controlled
- RALIM13** Rear-axle load limiter - 13 tonne
- RALIM95** Rear-axle load limiter - 9.5 tonne
- ACTST-TO** Active Steering- Volvo Dynamic Steering - VDS - with extra electronic pump and torque overlay
- ASFE-BAS** Active steering feature - Basic - Volvo Dynamic Steering - VDS - only

Standard Equipment Optional Equipment

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<input type="checkbox"/> ASFE-OG	Active steering feature - Volvo Dynamic Steering - VDS - with stability assist - oversteer	<input type="checkbox"/> ESH-VERT	Exhaust - Horizontal silencer - vertical outlet
<input type="checkbox"/> ASFE-PO	Active steering feature - Volvo Dynamic Steering - VDS - with personal settings and stability assist	<input type="checkbox"/> EXST-SSP	Stainless steel exhaust stack - NOT polished
<input type="checkbox"/> ASFE-PS	Active steering feature - Volvo Dynamic Steering - VDS - with personal settings	<input type="checkbox"/> EXST-ST	Steel exhaust stack
<input checked="" type="checkbox"/> PSS-DUAL	Power steering system - Dual	<input type="checkbox"/> HS-NAR	Narrow heat shield
<input type="checkbox"/> PSS-SING	Power steering system - Single	<input type="checkbox"/> WHC-FIX2	Wheel chocks - Two fixed design
<input checked="" type="checkbox"/> PSP-VAR	Power steering pump - Variable displacement	<input type="checkbox"/> WHC-FOL2	Two foldable wheel chocks
<input type="checkbox"/> PSP-VAR2	Power steering pump - Variable displacement with electronic control	<input type="checkbox"/> WHCP-F	Wheel chock carrier position - In the front part of the vehicle
<input checked="" type="checkbox"/> EBS-MED	Brake package - EBS medium including "hill" hold function	<input type="checkbox"/> WHCP-M	Wheel chock carrier position - Middle part of the vehicle
<input type="checkbox"/> AUXPARK	Auxiliary parking brake - Additional spring brakes	<input type="checkbox"/> WHCP-R	Wheel chock carrier position - In the rear part of the vehicle
<input checked="" type="checkbox"/> RST-AIR	Rear suspension type - Air	<input type="checkbox"/> WHCP-T	Wheel chock carrier position - Outer luggage locker
<input checked="" type="checkbox"/> SUSPL-EC	Remote electronic control on wander-lead for air suspension levelling	<input type="checkbox"/> TB-R80	Toolbox 800 mm, right side
<input checked="" type="checkbox"/> FRAME300	Chassis frame section external height - 300 mm	<input type="checkbox"/> SUP-BAS	Side guards - Check with bodybuilder chassis space requirements
<input checked="" type="checkbox"/> FST7070	Chassis frame thickness - 7 mm web and flange	<input type="checkbox"/> CHAIN-S	Snow chains
<input type="checkbox"/> FST8080	Chassis frame thickness - 8 mm web and flange	<input type="checkbox"/> HOOK-SC	Snow chain hooks
<input type="checkbox"/> FIL-EEEE	Chassis frame inner liner - From the end of the engine to the end of the bogie	<input checked="" type="checkbox"/> TOWF-NO1	Front towing device - One detachable - stored in cab
<input type="checkbox"/> FIL-EEEF	Chassis frame inner liner - From the end of the engine to end of the frame	<input type="checkbox"/> TOWF-NO2	Front towing device - Two detachable - stored in cab
<input checked="" type="checkbox"/> FIL-TXEB	Chassis frame inner liner - From gearbox member to the end of the bogie	<input type="checkbox"/> TOWMBRH	Towing member, high mounted in centre of frame, D = 190
<input type="checkbox"/> FIL-TXEF	Chassis frame inner liner - From gearbox member to the end of the frame	<input type="checkbox"/> TOWMBRL1	Towing member, low mounted under the frame
<input checked="" type="checkbox"/> BBOX-L	Battery box position - Left hand side	<input type="checkbox"/> TOWMBRM	Towing member, medium mounted in line with frame lower flange
<input type="checkbox"/> BATS-D	Dual energy battery system - 2 living batteries and 2 starter batteries.	<input checked="" type="checkbox"/> RFEC-S	Rear frame profile - Straight cut
<input checked="" type="checkbox"/> BATS-S	Single energy battery system (2 batteries)	<input type="checkbox"/> RFEC-U	Rear frame profile - Slight uppercut for tippers
<input type="checkbox"/> 2BAT210B	Battery Capacity - 2 x 210 Ah - Gel type	<input type="checkbox"/> C-RI4040	Towing coupling, Ringfeder 4040A
<input checked="" type="checkbox"/> 2BAT210C	Battery Capacity - 2 x 210 Ah - AGM Absorbent Glass-fibre Material type	<input type="checkbox"/> C-RI5050	Towing coupling, Ringfeder 5050A
<input checked="" type="checkbox"/> BATTAMP	Battery management - Voltage and current gauge	<input type="checkbox"/> C-RO400G	Towing coupling, Rockinger 400 G-150 for 40mm eyes
<input type="checkbox"/> BATTIND	Battery management - Voltage, current and charge indicators	<input type="checkbox"/> C-RO50	Rockinger RO 50 50mm for centre axle trailer
<input type="checkbox"/> ADR2	ADR Adaptation - For transportation of dangerous goods on the road - Note does NOT include safe loading pass package if required this is quoted separately	<input type="checkbox"/> C-VBG795	VBG 795V-3 coupling (centre axle trailer)
<input type="checkbox"/> MSWI-A	Battery master switch - ADR switch circuit shut down	<input type="checkbox"/> TOWR-ONE	Rear cross member towing eye - Capacity 3tonne at 20mph
<input checked="" type="checkbox"/> MSWI-R	Battery master switch - Key fob operated remote controlled	<input checked="" type="checkbox"/> TREL-PK	Trailer electrical preparation kit - chassis/cab wiring
<input checked="" type="checkbox"/> R330A71	Right fuel tank - 330litre aluminium diameter 710mm Min volume 210l Max volume 810l	<input type="checkbox"/> TREL14	Single 14 pole electrical trailer connector
<input checked="" type="checkbox"/> UL-FUEL	Left fuel tank - Without Min volume 160l Max volume 690l	<input type="checkbox"/> TREL15	Trailer electrical connection - Single 15 pin - ADR certified
<input type="checkbox"/> ADTP-L	AdBlue tank position - Chassis mounted on the left-hand side	<input type="checkbox"/> TREL7	7 pole - 24N trailer electrical suzie
<input checked="" type="checkbox"/> ADTP-R	AdBlue tank position - Chassis mounted on the right-hand side	<input type="checkbox"/> TREL7-7	Trailer electrical connection - 2 x 7 pin - 24N and 24S
<input type="checkbox"/> ADB048	Plastic AdBlue tank - 48 litre	<input type="checkbox"/> TBC-DUO	Trailer brake connections - Duomatic type
<input checked="" type="checkbox"/> ADB064	Plastic AdBlue tank - 64 litre	<input type="checkbox"/> TBC-EC	Trailer brake connections - EC palm coupling connectors
<input type="checkbox"/> ADB068	Plastic AdBlue tank - 68 litre	<input checked="" type="checkbox"/> TRBR-STA	Stationary trailer brake control
<input type="checkbox"/> ADB083	Plastic AdBlue tank - 83 litre	<input type="checkbox"/> TRB-STRE	Stretch Brake - Automatic low speed trailer brake activation to avoid jack-knifing and improve steerability
<input type="checkbox"/> ADB090	Plastic AdBlue tank - 90 litre	<input type="checkbox"/> RFEND-B	Rear mud wings - Three piece EC approved and spray flaps
<input type="checkbox"/> ADB112	Plastic AdBlue tank - 112 litre	<input type="checkbox"/> RFEND-T	Rear mud wings - Temporary on drive axle for transport delivery only
<input type="checkbox"/> ADTC-BF	AdBlue tank cover with satin alloy look decorative cover	<input type="checkbox"/> RFH-BAS	Basic rear wing height
<input checked="" type="checkbox"/> FCAP-L	Diesel and AdBlue filler cap - Locking	<input type="checkbox"/> RFH-HIG	High rear wing height - higher wing tops
<input checked="" type="checkbox"/> FUFF-AS	Fuel filler - Anti-spill device	<input type="checkbox"/> RFH-LOW	Lower rear wing height - shallower wing tops
<input type="checkbox"/> FUFF-ATS	Fuel filler - Anti-spill & anti-syphon device	<input type="checkbox"/> ATANK-AL	Air tanks - Aluminium
<input type="checkbox"/> ESH-LEFT	Exhaust - Horizontal silencer - left outlet	<input checked="" type="checkbox"/> ATANK-ST	Air tanks - Steel
<input checked="" type="checkbox"/> ESH-REAR	Exhaust - Horizontal silencer - rear outlet	<input checked="" type="checkbox"/> TL-LED	Rear lights - LED
<input type="checkbox"/> ESH-RIGH	Exhaust - Horizontal silencer - right outlet	<input checked="" type="checkbox"/> BLIGHT-E	Emergency brake light

Standard Equipment

Optional Equipment

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■ RT-STEEL	Wheels - Steel rims	□ PTER-100	Engine power-take-off - Rear-mounted with DIN100/ISO7646 flange
□ WCAP	Aerodynamic hub caps	□ PTER-DIN	Engine power-take-off - Rear-mounted with DIN5462 (female) splined shaft for a close-coupled pump Models with 3 steering axles will use this to drive the steering pump (AUXPSP)
□ SPWT-D	Spare wheel & tyre with rear tyre pattern	□ PTER1400	Engine power-take-off - Rear-mounted with SAE 1410 flange
□ SPWT-F	Spare wheel & tyre with front tyre pattern	□ HPE-F101	Parker F1-101, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
□ SWCP-LF	Spare wheel carrier on left side of chassis ahead of rear axle	□ HPE-F41	Parker F1-41, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
□ SWCP-R	Rear mounted spare wheel carrier	□ HPE-F51	Parker F1-51, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
□ SWCP-T	Spare wheel supplied temporarily strapped to chassis	□ HPE-F61	Parker F1-61, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
□ SWCP-TP	Temporary spare wheel carrier on top of chassis frame	□ HPE-F81	Parker F1-81, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
□ JACK-12T	12 tonne bottle jack	□ HPE-T53	Parker F2-53/53, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump
□ JACK-15T	15 tonne bottle jack	□ HPE-T70	Parker F2-70/35, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump
□ JACK-20T	20 tonne bottle jack	□ HPE-V45	Parker VP1-45, variable displacement, single flow, engine mounted hydraulic pump
■ TOOL-BAS	Toolkit - Basic	□ HPE-V75	Parker VP1-75, variable displacement, single flow, engine mounted hydraulic pump
□ TOOLKIT	Toolkit - Complete	□ PTPT-D	Powertronic PTO, 1 front/upper DIN connection for plug-in pump (max. 850 Nm)
□ INFLAHOS	Tyre inflation hose	□ PTPT-F	Powertronic PTO, 1 front/upper rear facing SAE flange conn. for prop shaft (max.850 Nm)
□ GAUGE-TP	Tyre pressure gauge	□ PTR-D	Gearbox PTO for plug-in pump, 0.71xeng speed
DRIVELINE EQUIPMENT		□ PTR-DH	Gearbox driven high speed PTO for one plug-in hydraulic pump
□ TRAP-HD	Reinforced gearbox application	□ PTR-DM	Gearbox driven medium speed PTO for one plug-in hydraulic pump
■ DRM-BE	Drive mode - Balanced & Economy	□ PTR-F	Gearbox driven PTO with rear flange connection
□ DRM-E	Drive mode - Economy	□ PTR-FH	Gearbox driven high speed PTO with SAE drive flange
□ PVT-MAP	I-See Predictive Cruise Control - using map-based topography information	□ PTR-FL	Gearbox driven low speed PTO with SAE drive flange
■ PVT-MTM	I-See Predictive Cruise Control - using map-based topography information with lower operating settings	□ PTRD-D	Gearbox driven HIGH SPEED PTO for two plug-in hydraulic pumps
■ CRUIS-E	Cruise control - with I-roll and I-cruise, controls in steering wheel	□ PTRD-D1	PTRD-D1 Gearbox driven HIGH SPEED PTO (1 SAE flange & 1 plug-in hydraulic pump)
□ CRUIS-E5	Eco torque software - Improved economy mode. Fuel economy optimized cruise control for I-Save	□ PTRD-D2	Gearbox driven HIGH SPEED PTO (2 SAE flanges & 1 plug-in hyd pump)
□ AMSO-AUT	Enhanced I-shift software with manual shift available in auto mode and kickdown facility on accelerator pedal	□ PTRD-F	PTO with 1 DIN + 1 flange connection rear, manual gearbox
□ AVO-ENH	I-Shift application software - Construction and off road applications	□ HPG-F101	Gearbox mounted hydraulic pump - Parker F1-101 hydraulic pump gearbox mounted
□ APF-ENH	I-shift enhanced PTO functions	□ HPG-F41	Gearbox mounted hydraulic pump - Parker F1-41 gearbox mounted, fixed displacement, single flow
□ CD43-O	Clutch - 430mm twin plate	□ HPG-F51	Gearbox mounted hydraulic pump - Parker F1-51 gearbox mounted, fixed displacement, single flow
□ RET-TH	Gearbox mounted retarder	□ HPG-F61	Gearbox mounted hydraulic pump - Parker F1-61 gearbox mounted, fixed displacement, single flow
□ RET-TPT	Hydraulic Retarder for Powertronic gearbox	□ HPG-F81	Gearbox mounted hydraulic pump - Parker F1-81 gearbox mounted, fixed displacement, single flow
□ TC-HWO	Transmission oil cooler - water to oil	■ STWPOS-R	Steering wheel position - RIGHT-HAND DRIVE
□ TC-MAOH2	Extra high performance transmission oil cooler - air to oil with front mounted radiator	□ STWM-LE	Steering wheel - Leather
□ TC-MWO	Basic transmission oil cooler - water to oil	□ STGW-AD2	Steering wheel adjustment - Neck tilt, column height and angle
□ 2COM1100	Air compressor - Two-cylinder 1100 litres per minute	■ STGW-ADJ	Steering wheel adjustment - Column height and angle
■ 2COMP870	Air compressor - Two-cylinder 870 litres per minute	■ AIRBAG	Driver air bag
□ 2COMP900	Air compressor - Two-cylinder 900 litres per minute	■ DRC-AMII	DPF Regeneration control switch - for manual and switching off regeneration
□ CLU-AIRC	Clutchable air compressor	■ 1DAYDIG4	Smart tachograph - Continental VDO 4.1 version 2 - legal demand from 21/08/2023
■ AIRIN-HI	Air intake - Roof-mounted behind cab on the left-hand side	□ ARSL	Additional road speed limit - switch in dashboard
□ AIRIN-LO	Low level air intake behind cab on left hand side	□ ESP-BAS1	Electronic Stability Control ESC
□ ACL1ST-S	Air filter - two-stage element	□ ESPC-RO	Additional ESC functions - Reduced / Off
□ 24A110BL	Alternator capacity - 110 amp	□ HWSS-ACB	Forward collision warning with adaptive cruise control and AEBs advanced emergency brake system
□ 24A150BL	Alternator capacity - 150 amp		
■ 24A180BL	Alternator capacity - 180 amp		
□ 24AL110B	Alternator capacity - 110 amp		
□ 24AL150B	Alternator capacity - 150 amp		
□ CCV-C	Closed crankcase engine ventilation		
■ PRIM-EL	Electrical priming pump		
□ PRIM-MAN	Manual priming pump		
□ AF-R	Hot fuel recirculation heated fuel filter		
■ FUEFE2LW	Large engine mounted dual fuel filter with water separator		
□ FUEFE2SW	Small engine mounted dual fuel filter with water separator		
□ EST-AID	Engine starting aid -Preheating element in the air inlet manifold		
□ 220EBH15	220V/1.5Kw electric engine block heater		

■ Standard Equipment

□ Optional Equipment

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■ HWSS-FCB	Forward collision warning with AEBS advanced emergency brake system	■ PST-BAS1	Passenger seat - Fixed non suspended fold up with seatbelt mounted on cab "B" post
□ LSS-DW	Lane departure warning system	□ PST-CF4	Passenger seat - Suspended, adjustable shock absorber, travel, backrest & lumbar controls with integrated seatbelt
□ LSS-DW3	Lane departure warning system with pilot assist	□ PST-CF5	Passenger seat - Suspended with adjustable shock absorber, travel, backrest, lumbar & heat controls with integrated seatbelt
■ LCS4	Side Collision Avoidance Support - Passenger and driver side	□ PST-STD2	Passenger seat - Fixed with backrest adjustment, non suspended with seatbelt mounted on cab "B" post
□ LCS5	Side Collision Avoidance Support - Active support with emergency brake on passenger side. Collision warning on passenger and driver side	□ PST-STD4	Passenger seat - Standard suspended with seatbelt mounted on cab "B" post
■ DAS-W2	Driver Alert Support with driver attention monitoring to comply with EU GSR2 step 2 regulations	□ SBPRE-PS	Passenger seat belt pretensioner
■ PB-AUT2	Parking Brake - Automatic using in cab sensors when driver leaves the seat	□ ARMRE-BB	Armrests - Two on both driver & passenger seats
□ RSSENS-W	Rain sensing windscreen wipers	□ ARMRE-DB	Armrests - Two on the driver seat
■ CU-ECC	Cab climate Unit - Electrically controlled air conditioning with sun sensor	□ ARMRE-PB	Armrests - Two on the passenger seat
□ CU-ECC2	Cab climate Unit - Electrically controlled air conditioning with a carbon filter, sun, mist, and air quality sensor	□ ARU-BAS	Armrest upholstery - Vinyl
■ IGT-BUT	Vehicle starting - Push-button	□ ARU-LEA	Armrest upholstery - Leather
■ IMMOBIL	Immobiliser	■ FMAT-RUB	Footwell floor mats - Rubber
□ ALARM-E	Vehicle alarm - Cab plus external sensor for body/trailer	□ FMAT-TX2	Footwell floor mats - Two sets, Rubber and textile with an embossed pile supplied in the cab
□ ALCOLOCK	Alcolock	□ LBK70	Lower bunk - Fixed 700 x 2000 mm
□ BUPMON	Back up monitor - Digital reverse camera, parameter & lead supplied loose in cab.	□ MATL-FI	Lower mattress - Firm pocket sprung
□ PHONE-PK	Telephone preparation kit (antenna, antenna attachm. cable incl.)	□ MATL-SF	Lower mattress - Flexi-zone semi-firm, pocket springs up to 100kg - 16 stone
□ ISUNS-BS	Side sun visor - Driver & passenger side	□ OLMAT-BA	Mattress overlay protector - 35mm thick
■ ISUNS-DS	Side sun visor - Driver-side	□ OLMAT-PR	Mattress overlay protector - Premium 50mm thick
□ ISUNF-B	Interior front sun visor without mirror	□ TBK60F	Top bunk - Fixed foldable 600 x 1900mm
□ ISUNF-MD	Interior front sun visor with mirror on driver side	□ TBK70F	Top bunk - Fixed foldable 700 x 1900mm
□ ISUNF-RE	Electrically operated textile interior sun blind	□ PH-CAB2	Cab parking heater - 1.8kW Air to air
■ ISUNF-RM	Manually operated textile interior sun blind	□ PH-ENGCA	Cab parking heater - Engine and cab
□ ADFS	Two extra DIN slots in front shelf - can be fitted with card or drawer available as an accessory	□ PH-SS	Cab parking heater - Short stop
■ BUPALARM	Reverse alarm	□ SLCP-BAS	Sleeper control panel - Basic with switches for interior light, night heater, roof hatch and door lock
□ RTOLL-PK	Road toll PREPARATION kit for trucks operating with "Toll Collect" in Germany	□ ETSB-F	Storage on engine tunnel - Central document box with two rear cup holders
□ LOADIND	Load indicator with central dashboard display	□ ETSB-FR	Storage on engine tunnel - Central document box with two rear cup holders & open storage pocket on cab rear wall
□ REMC-MF	Multi-functio wireless remote control	□ ETSB-R	Storage on engine tunnel - Open storage pocket on cab rear wall
□ FIREXT3S	Fire extinguisher - 3kg mounted on the seat base	□ RUS-BAS	Rear cab upper storage - 300 mm high
□ WARNVEST	High visibility warning vest - No sleeves	□ RUS-HIG	Rear cab upper storage - 440 mm high - volume 245 litres
□ AIDKIT	First aid kit - Legal demand for EU markets including delivery to EU bodybuilder	□ REF-ICPK	Fridge - Engine tunnel mounted preparation kit
□ AIDKIT1B	First aid kit - Legal demand for trucks transiting Germany	□ REFR-RUS	Fridge - 28 litre rear upper wall mounted with dividers
□ WARNLAMP	Portable warning lamp	□ MICRO-PK	Microwave equipment - Wiring preparation kit for oven
□ LAMP-IN	Inspection lamp	□ BOTH-D	Bottle holder - One under dashboard centre section
□ BULBKIT	Bulb and fuse kit	□ COFMA-PK	Coffee maker - Preparation kit.
□ WRITEPAD	Writing pad	■ INLI-BAS	Interior light - White LEDs
■ DST-CF4	Driver seat - Suspended, adjustable shock absorber, travel, backrest & lumbar controls with integrated seatbelt	□ INLI-NL	Interior light - White and red nightlight LEDs without dimmer
□ DST-CF5	Driver seat - Suspended with adjustable shock absorber, travel, backrest, lumbar & heat controls with integrated seatbelt	□ INLI-NLD	Interior light - White and red nightlight LEDs with dimmer
□ DST-CF6	Driver seat - Suspended with adjustable shock absorber, travel, backrest, lumbar, heat and ventilation controls with integrated seatbelt	□ ARL-FLEX	Flexible reading lamps - Two "snake" type
□ DST-LUX1	Driver seat - Deluxe 1: electrical adjustment with memory function, lumbar support, heating & ventilation with integrated seatbelt	■ RH-EE	Fixed tinted glass sky window with emergency exit
□ SBD-RED	Seat belt colour - Red	□ RH-ER	Steel roof hatch - Electrically operated, rear opening with emergency exit
□ SBPRE-DS	Driver seat belt pretensioner	□ RH-ETR	Tinted glass roof hatch - Electrically operated, rear opening with emergency exit
		□ RH-MTR	Tinted glass roof hatch - Manually operated, rear opening with emergency exit
		■ GLAS-TIN	Cab windows - Tinted
		□ SWIND-BS	Cab side window - On both sides behind 'B' post
		□ SWIND-PS	Cab side window - Left side behind 'B' post
		□ AWIND-RF	Rear window
		□ VANMIR	Vanity mirror - In front shelf

■ 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 13 8x4 Rigid - Pusher Axle Tridem – contact sales engineering reference

<ul style="list-style-type: none"> □ AS-FUS Extra shelf in front compartments □ INFOT-PK TV mounting preparation kit - Above the driver's door, includes bracket, electrical and speaker connections 	<ul style="list-style-type: none"> □ BEACON-P Roof beacons - switch and wiring preparation only □ BEACONA4 Roof beacons - Four amber LED - two front/ two rear □ CABPT-R1 Single outlet for roof mounted accessories ■ CABPT-R2 Twin outlets for roof mounted accessories. □ SPOTP-F Spotlamp preparation in front, max 280W □ SPOTP-R Spotlamp preparation on roof, max 280W □ SPOTP-RF Spotlamp preparation on cab roof and in cab front, max 2x280W □ ROS-IL2 Preparation kit for illuminated roof sign with switch loose in cab, fit after registration □ CSGN-GTR Cab sign logo - Volvo "Globetrotter" or "Power" sign ■ HORN-F1S Horn - Air single tone - chassis mounted □ HORN-R2S Horn - Air - Two roof-mounted □ ANT-CBR Roof mounted antenna for CB radio, single aerial. Only Globetrotter cabs brings in extra DIN slots. □ ACCBP-AP Front, middle & rear roof mounted accessory brackets □ ACCBP-F Front roof mounted accessory bracket □ ACCBP-FM Front & middle roof mounted accessory brackets □ ACCBP-FR Front & rear roof mounted accessory brackets □ ACCBP-M Middle roof mounted accessory bracket □ ACCBP-R Rear roof mounted accessory bracket □ ACCBP-RM Rear & middle roof mounted accessory brackets □ REFS-TW White cab conspicuity markings by packed in cab □ REFS-TY Yellow cab conspicuity markings by packed in cab
<p>CAB EXTERIOR</p>	
<ul style="list-style-type: none"> □ EXTL-BA2 Enhanced exterior finish - Satin Volvo badges, instep, bumper, and mirror housing in cab colour. Main grille in thunder grey. Aluminium step inserts. Sunvisor and bumper spoiler in cab colour if specified. □ EXTL-BAS Basic exterior finish - Satin Volvo badges, grey grille, instep, bumper, bumper spoiler, grille, door handles mirror housing and sunvisor if specified. ■ DGLAS-H Door glass - Hardened □ DGLAS-L Door glass - Laminated □ BUMP-B Front bumper - Plastic ■ BUMP-B2 Front bumper - Steel □ BUMP-SP Front bumper spoiler □ GUARD-EH Sump and radiator guard - to protect engine and hoses ■ BUGNET Radiator insect screen □ CTILT-P-E Electrically operated hydraulic cab tilt ■ CTILT-P-M Manually operated hydraulic cab tilt □ FCABS-A Front cab suspension - Air ■ FCABS-M Front cab suspension - Mechanical spring □ RCABS-A Rear cab suspension - Air ■ RCABS-M Rear cab suspension - Mechanical spring □ MIRCFPCS Mirrors - Electrically heated and operated main and wide-angle with manually adjusted passenger kerb and front mirror and position camera in nearside mirror arm □ MIRCFCPX Mirrors - Electrically heated and operated FMX main and wide-angle with manually adjusted passenger kerb and front mirror and position camera in nearside mirror arm. To increase direct vision to the side the main mirrors have no cowlings □ MIRCMCP Camera monitoring and mirrors - Electrically heated and operated main and wide-angle rear view cameras with manually adjusted passenger kerb and front mirror and passenger corner pedestrian camera. □ MIRCMS Camera monitoring and mirrors - Electrically heated and operated main and wide-angle rear view cameras with manually adjusted passenger kerb and front mirror ■ MIRCOMF Mirrors - Electrically heated and operated main and wide angle and manually adjusted passenger kerb and front mirror □ MIRCOMFX Mirrors - Electrically heated and operated FMX main and wide angle and manually adjusted passenger kerb and front mirror. To increase direct vision to the side the main mirrors have no cowlings ■ AMIR-F20 Auxiliary front view mirror with a 200mm radius □ SUNV-H External smoke grey sunvisor □ AD-ROOF Cab roof deflector - Adjustable □ AD-SIDES Cab side deflector - Short extension panels ■ HL-LED Headlights - LED □ HL-LED3 Headlights - LED Adaptive high beam □ HBDA-A Headlight main beam switching - Automatic ■ HL-CLEAN Headlight cleaner - Washer jets □ HLP-ST Headlight protection □ DRIVL2 Two spot lamps ■ UDRIVL Auxiliary driving lights - Without ■ FOGL-WC Front fog lights □ CL-STAT Static corner lights □ ASL-RF2 Integrated roof spotlights - Two LED aerodynamic spot lights in Globetrotter sign box □ BEACOA2F Roof beacons - Two front roof mounted amber LED □ BEACOA2R Roof beacons - Two rear roof mounted amber LED 	<p>SUPERSTRUCTURE PREPARATIONS</p> <ul style="list-style-type: none"> □ SRWL-PK Chassis-mounted working lamps - Side work and reverse lamp preparation and 3 position switch - Max load 280W □ SWL-2FW Chassis-mounted working lamps - Two white front mounted LED lamps □ SWL-2RW Chassis-mounted working lamps - Two white rear mounted LED lamps □ SWL-4W Chassis-mounted working lamps - Four white front and rear mounted LED lamps □ SWL-PK Chassis-mounted working lamps - Side work lamp preparation and 2 position switch - Max load 280W □ WLC-H2A Working lamp back of cab - Two amber LED high mounted □ WLC-H2W Working lamp back of cab - Two white LED high mounted at the back of cab □ WLC-PKCH Working lamp back of cab - Preparation kit - cables and switch □ WLC-PKH Preparation kit, cables and switch for high mounted working lamps back of cab □ WLC-PKL Preparation kit, cables and switch for low mounted working lamps back of cab □ WLC-PKLH Preparation kit - cables and switch for low and high mounted working lamps back of cab. ■ ECBB-HIG Bodybuilder module - High level body electrical centre in dash input/output module □ BBCHAS1 One 7-pole connector for Body builder interface □ BBCHAS3 Three 7-pole connectors for Body builder interface □ BEPR-T2 Body builder electrical software preparation for tipper with remote control □ EXSTER External steering control - Volvo dynamic steering and bodybuilder module prepared for external control system, installed and computer by bodybuilder ■ TD-LED Trailer detection with LED sensing □ FRFS-B5 Frame rail free space - both sides to give space for crane legs or other equipment □ FBA-BTF Lower front body attachments for torsionally flexible - platform body □ FBA-BTSF Lower front body attachments for torsionally semi-flexible body - box or curtainsider □ HBA-FSFB Holes for body attachments - flexible/semi-flexible body □ HBA-SB Holes for body attachments - stiff body □ RBA-T2 Lower rear body attachments for helper frame

■ Standard Equipment □ Optional Equipment

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- **CRANEPK1** Crane plates mounted to frame, for cranes up to 10 tonne metre capacity
- **CRANEPK2** Crane plates mounted to frame, for cranes up to 20 tonne metre capacity
- **CRANEPK4** Crane plates mounted to frame, for cranes up to 40 tonne metre capacity
- **AUXL-SPK** Electrical preparation kit - wiring and switch for snow plough lights
- **TAILPRE2** Tail lift preparation kit, wireless remote operation
- **TAILPREP** Taillift preparation kit - cab switch and warning in driver display
- **AESW2** Two Body builder bistable electrical switches (marked AUX1 / AUX2)
- **AESW2PK** 2 Body builder bistable el.switches (marked AUX1/AUX2) and prep. for 4 more switches
- **AUXSW-4** Wiring for 4 extra switches (from Body builder electrical centre to switch positions)

DELIVERY SERVICES

- **TGW-4GWL** Telematics gateway - GSM/GPRS/4G modem, LTE & WLAN
- **FMS-PK** Fleet management system gateway - Required for aftermarket telematics
- **DRUT1** Driver utility app - "My Truck" - 1 year subscription
For mobile phone, tablet, with android and IOS systems.
Only available with Volvo Connect subscription
- **DRUT2** Driver utility app - "My Truck" - 2 year subscription
For mobile phone, tablet, with android and IOS systems.
Only available with Volvo Connect subscription
- **DRUT3** Driver utility app - "My Truck" - 3 year subscription
For mobile phone, tablet, with android and IOS systems.
Only available with Volvo Connect subscription
- **DRUT4** Driver utility app - "My Truck" - 4 year subscription
For mobile phone, tablet, with android and IOS systems.
Only available with Volvo Connect subscription
- **DRUT5** Driver utility app - "My Truck" - 5 year subscription
For mobile phone, tablet, with android and IOS systems.
Only available with Volvo Connect subscription