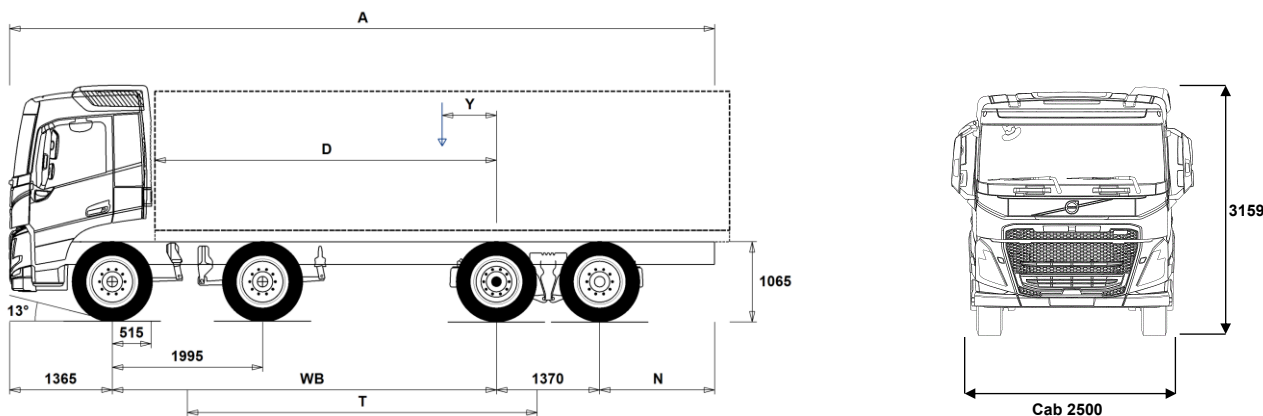


# MODEL RANGE

FM 13 8x2 Tag Rigid - Rear Air Suspension FM 82RF 3A



## Chassis Dimensions [mm]

WB Wheelbase	5100	5600	6000
A Overall Chassis Length	10660	11410	12060
D Center of rear axle to front of body	4535	5035	5435
N Rear Overhang (Min.)	825	1225	1225
N Rear Overhang (Max.)	2825	3075	3325
T Theoretical Wheelbase	4643	5143	5543
Y Center of Gravity for Payload (Min.)	720	874	999
Y Center of Gravity for Payload (Max.)	1324	1545	1723

## Chassis Weights [kg]

Front Axles	6735	6665	6625
Rear Bogie	2195	2320	2425
Kerb Weight	8930	8985	9050
Payload (including body, driver, fuel, etc.)	23070	23015	22950

## Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	20200	21800	23100
Turning Circle Diameter Wall to Wall	21500	23100	24400

## Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	32000	35000
Gross Combination Weight	35580	44000
Front Axles	16000	16000
Rear Bogie	19000	19000

## 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: TA-FIXED.

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 FM82RF3A.

# MODEL RANGE

## FM 13 8x2 Tag Rigid - Rear Air Suspension FM 82RF 3A

### TRUCK USE

- RC-ROUGH** Road conditions - On / off-road
- RC-SMOOTH** Road Conditions - Smooth
- 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
- TA-HYSB2** Tag axle - Electro-hydraulically steered
- TAG-FIXD** Tag axle - Fixed with twin tyres on tag axle
- TAG-FIXS** Tag axle - Fixed with single tyres on tag axle
- RADT-GR** Rear air suspension, 2 axles - 1 driven/1 tag
- 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
- RSH1370F** Drive axle - RSH1370F 13-tonne hub reduction with differential lock - design GCW 70 tonne
- RSS1370B** Drive axle - RSS1370B single reduction 13 tonne with differential lock - design GCW 70 tonne
- RSS1370C** Drive axle - RSS1370C single reduction 13 tonne with differential lock - design GCW 70 tonne

### 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
- FAL16.0** Front axle design capacity - 16 tonnes - 2 x 8 tonne front axles
- FAL18.0** Front axle design capacity - 18 tonnes - 2 x 9 tonne front axles - check tyre load index
- FAL20.0** Front axle design capacity - 20 tonnes - 2 x 10 tonne front axles - check tyre load index
- 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
- RSLs-BAS** Rear air suspension basic levelling stroke
- RAL19** Rear bogie design capacity - 19 tonne
- RAL20.5** Rear bogie design capacity - 20.5 tonne
- RAL21** Rear bogie design capacity - 21 tonne
- RAL22.5** Rear bogie design capacity - 22.5 tonne
- RAL23** Rear bogie design capacity - 23 tonne
- RSTAB2** Rear anti-roll bar - Medium stiffness
- RSTAB3** Rear anti-roll bar - Stiff
- RALIM115** Rear-axle load limiter -11.5 tonne - speed controlled
- 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
- ASFE-OG** Active steering feature - Volvo Dynamic Steering - VDS - with stability assist - oversteer
- ASFE-PO** Active steering feature - Volvo Dynamic Steering - VDS - with personal settings and stability assist
- ASFE-PS** Active steering feature - Volvo Dynamic Steering - VDS - with personal settings
- PSS-DUAL** Power steering system - Dual

Standard Equipment       Optional Equipment

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

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<input type="checkbox"/> <b>AUXPSP</b>	Extra power steering pump driven by the engine PTO (PTER-DIN) so an adapter is required to drive any other equipment.	<input type="checkbox"/> <b>SUP-BAS</b>	Side guards - Check with bodybuilder chassis space requirements
<input checked="" type="checkbox"/> <b>PSP-VAR</b>	Power steering pump - Variable displacement	<input type="checkbox"/> <b>CHAIN-S</b>	Snow chains
<input type="checkbox"/> <b>PSP-VAR2</b>	Power steering pump - Variable displacement with electronic control	<input type="checkbox"/> <b>HOOK-SC</b>	Snow chain hooks
<input checked="" type="checkbox"/> <b>EBS-MED</b>	Brake package - EBS medium including "hill" hold function	<input checked="" type="checkbox"/> <b>TOWF-NO1</b>	Front towing device - One detachable - stored in cab
<input checked="" type="checkbox"/> <b>RST-AIR</b>	Rear suspension type - Air	<input type="checkbox"/> <b>TOWF-NO2</b>	Front towing device - Two detachable - stored in cab
<input checked="" type="checkbox"/> <b>SUSPL-EC</b>	Remote electronic control on wander-lead for air suspension levelling	<input type="checkbox"/> <b>TOWMBRH</b>	Towing member, high mounted in centre of frame, D = 190
<input checked="" type="checkbox"/> <b>FRAME300</b>	Chassis frame section external height - 300 mm	<input type="checkbox"/> <b>TOWMBRL1</b>	Towing member, low mounted under the frame
<input checked="" type="checkbox"/> <b>FST8080</b>	Chassis frame thickness - 8 mm web and flange	<input type="checkbox"/> <b>TOWMBRM</b>	Towing member, medium mounted in line with frame lower flange
<input type="checkbox"/> <b>FIL-EEEE</b>	Chassis frame inner liner - From the end of the engine to the end of the bogie	<input checked="" type="checkbox"/> <b>RFEC-S</b>	Rear frame profile - Straight cut
<input type="checkbox"/> <b>FIL-EEEF</b>	Chassis frame inner liner - From the end of the engine to end of the frame	<input type="checkbox"/> <b>RFEC-U</b>	Rear frame profile - Slight uppercut for tipper
<input type="checkbox"/> <b>FIL-TXEB</b>	Chassis frame inner liner - From gearbox member to the end of the bogie	<input type="checkbox"/> <b>C-RI4040</b>	Towing coupling, Ringfeder 4040A
<input type="checkbox"/> <b>FIL-TXEF</b>	Chassis frame inner liner - From gearbox member to the end of the frame	<input type="checkbox"/> <b>C-RI5050</b>	Towing coupling, Ringfeder 5050A
<input checked="" type="checkbox"/> <b>BBOX-L</b>	Battery box position - Left hand side	<input type="checkbox"/> <b>C-RO400G</b>	Towing coupling, Rockinger 400 G-150 for 40mm eyes
<input type="checkbox"/> <b>2BAT210B</b>	Battery Capacity - 2 x 210 Ah - Gel type	<input type="checkbox"/> <b>C-RO50</b>	Rockinger RO 50 50mm for centre axle trailer
<input checked="" type="checkbox"/> <b>2BAT210C</b>	Battery Capacity - 2 x 210 Ah - AGM Absorbent Glass-fibre Material type	<input type="checkbox"/> <b>C-VBG795</b>	VBG 795V-3 coupling (centre axle trailer)
<input checked="" type="checkbox"/> <b>BATTAMP</b>	Battery management - Voltage and current gauge	<input type="checkbox"/> <b>TOWR-ONE</b>	Rear cross member towing eye - Capacity 3tonne at 20mph
<input type="checkbox"/> <b>BATTIND</b>	Battery management - Voltage, current and charge indicators	<input type="checkbox"/> <b>TREL-PK</b>	Trailer electrical preparation kit - chassis/cab wiring
<input type="checkbox"/> <b>ADR2</b>	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"/> <b>TREL14</b>	Single 14 pole electrical trailer connector
<input type="checkbox"/> <b>MSWI-A</b>	Battery master switch - ADR switch circuit shut down	<input type="checkbox"/> <b>TREL15</b>	Trailer electrical connection - Single 15 pin - ADR certified
<input checked="" type="checkbox"/> <b>MSWI-R</b>	Battery master switch - Key fob operated remote controlled	<input type="checkbox"/> <b>TREL7</b>	7 pole - 24N trailer electrical suzie
<input checked="" type="checkbox"/> <b>UR-FUEL</b>	Right fuel tank - Without Min volume 255l Max volume 810l	<input type="checkbox"/> <b>TREL7-7</b>	Trailer electrical connection - 2 x 7 pin - 24N and 24S
<input checked="" type="checkbox"/> <b>UL-FUEL</b>	Left fuel tank - Without Min volume 160l Max volume 450l	<input type="checkbox"/> <b>TBC-DUO</b>	Trailer brake connections - Duomatic type
<input type="checkbox"/> <b>ADTP-L</b>	AdBlue tank position - Chassis mounted on the left-hand side	<input type="checkbox"/> <b>TBC-EC</b>	Trailer brake connections - EC palm coupling connectors
<input type="checkbox"/> <b>ADTP-LF</b>	AdBlue tank position - Chassis mounted on the left-hand side between axle 1 and 2	<input type="checkbox"/> <b>TRBR-STA</b>	Stationary trailer brake control
<input checked="" type="checkbox"/> <b>ADTP-R</b>	AdBlue tank position - Chassis mounted on the right-hand side	<input type="checkbox"/> <b>TRB-STRE</b>	Stretch Brake - Automatic low speed trailer brake activation to avoid jack-knifing and improve steerability
<input type="checkbox"/> <b>ADB032</b>	Plastic AdBlue tank - 32 litres	<input type="checkbox"/> <b>FFEND-B</b>	Standard mounted mud wings on second front axle
<input type="checkbox"/> <b>ADB048</b>	Plastic AdBlue tank - 48 litre	<input type="checkbox"/> <b>FFEND-T</b>	Transport mounted mud wings on second front axle
<input type="checkbox"/> <b>ADB064</b>	Plastic AdBlue tank - 64 litre	<input type="checkbox"/> <b>RFEND-B</b>	Rear mud wings - Three piece EC approved and spray flaps
<input type="checkbox"/> <b>ADTC-BF</b>	AdBlue tank cover with satin alloy look decorative cover	<input type="checkbox"/> <b>RFEND-T</b>	Rear mud wings - Temporary on drive axle for transport delivery only
<input checked="" type="checkbox"/> <b>FCAP-L</b>	Diesel and AdBlue filler cap - Locking	<input type="checkbox"/> <b>RFH-BAS</b>	Basic rear wing height
<input checked="" type="checkbox"/> <b>FUFF-AS</b>	Fuel filler - Anti-spill device	<input type="checkbox"/> <b>RFH-HIG</b>	High rear wing height - higher wing tops
<input type="checkbox"/> <b>FUFF-ATS</b>	Fuel filler - Anti-spill & anti-syphon device	<input type="checkbox"/> <b>RFH-LOW</b>	Lower rear wing height - shallower wing tops
<input type="checkbox"/> <b>ESH-LEFT</b>	Exhaust - Horizontal silencer - left outlet	<input type="checkbox"/> <b>ATANK-AL</b>	Air tanks - Aluminium
<input checked="" type="checkbox"/> <b>ESH-REAR</b>	Exhaust - Horizontal silencer - rear outlet	<input checked="" type="checkbox"/> <b>ATANK-ST</b>	Air tanks - Steel
<input type="checkbox"/> <b>ESH-RIGH</b>	Exhaust - Horizontal silencer - right outlet	<input checked="" type="checkbox"/> <b>TL-LED</b>	Rear lights - LED
<input type="checkbox"/> <b>ESH-VERT</b>	Exhaust - Horizontal silencer - vertical outlet	<input checked="" type="checkbox"/> <b>BLIGHT-E</b>	Emergency brake light
<input type="checkbox"/> <b>EXST-SSP</b>	Stainless steel exhaust stack - NOT polished	<b>WHEELS &amp; TYRES</b>	
<input type="checkbox"/> <b>EXST-ST</b>	Steel exhaust stack	<input type="checkbox"/> <b>RT-AL</b>	Wheels - Howmet Alcoa brushed aluminium rims - standard holes for long stud fixing
<input type="checkbox"/> <b>WHC-FIX2</b>	Wheel chocks - Two fixed design	<input type="checkbox"/> <b>RT-AL1</b>	Wheels - Howmet Alcoa brushed aluminium rims LVL one - standard holes for long stud fixing
<input type="checkbox"/> <b>WHC-FOL2</b>	Two foldable wheel chocks	<input type="checkbox"/> <b>RT-AL1DU</b>	Wheels - Howmet Alcoa brushed aluminium rims LVL one - countersunk holes for short stud fixing
<input type="checkbox"/> <b>WHCP-F</b>	Wheel chock carrier position - In the front part of the vehicle	<input type="checkbox"/> <b>RT-ALDP</b>	Wheels - Howmet Alcoa Dura-Bright aluminium rims - standard holes for long stud fixing
<input type="checkbox"/> <b>WHCP-R</b>	Wheel chock carrier position - In the rear part of the vehicle	<input type="checkbox"/> <b>RT-ALDPD</b>	Wheels - Howmet Alcoa Dura-Bright EVO aluminium rims - countersunk holes for short stud fixing
<input type="checkbox"/> <b>WHCP-T</b>	Wheel chock carrier position - Outer luggage locker	<input type="checkbox"/> <b>RT-ALDU</b>	Wheels - Howmet Alcoa brushed aluminium rims - countersunk holes for short stud fixing
<input type="checkbox"/> <b>TB-L80</b>	Toolbox 800 mm, left side	<input checked="" type="checkbox"/> <b>RT-STEEL</b>	Wheels - Steel rims
<input type="checkbox"/> <b>TB-R80</b>	Toolbox 800 mm, right side	<input type="checkbox"/> <b>WCAP</b>	Aerodynamic hub caps
		<input type="checkbox"/> <b>SPWT-D</b>	Spare wheel & tyre with rear tyre pattern
		<input type="checkbox"/> <b>SPWT-F</b>	Spare wheel & tyre with front tyre pattern
		<input type="checkbox"/> <b>SWCP-LF</b>	Spare wheel carrier on left side of chassis ahead of rear axle
		<input type="checkbox"/> <b>SWCP-T</b>	Spare wheel supplied temporarily strapped to chassis
		<input type="checkbox"/> <b>SWCP-TP</b>	Temporary spare wheel carrier on top of chassis frame
		<input type="checkbox"/> <b>JACK-12T</b>	12 tonne bottle jack
		<input type="checkbox"/> <b>JACK-15T</b>	15 tonne bottle jack

Standard Equipment

Optional Equipment

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<input type="checkbox"/> <b>JACK-20T</b>	20 tonne bottle jack	<input type="checkbox"/> <b>HPE-F41</b>	Parker F1-41, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
<input checked="" type="checkbox"/> <b>TOOL-BAS</b>	Toolkit - Basic	<input type="checkbox"/> <b>HPE-F51</b>	Parker F1-51, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
<input type="checkbox"/> <b>TOOLKIT</b>	Toolkit - Complete	<input type="checkbox"/> <b>HPE-F61</b>	Parker F1-61, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
<input type="checkbox"/> <b>INFLAHOS</b>	Tyre inflation hose	<input type="checkbox"/> <b>HPE-F81</b>	Parker F1-81, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump
<input type="checkbox"/> <b>GAUGE-TP</b>	Tyre pressure gauge	<input type="checkbox"/> <b>HPE-T53</b>	Parker F2-53/53, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump
<b>DRIVELINE EQUIPMENT</b>		<input type="checkbox"/> <b>HPE-T70</b>	Parker F2-70/35, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump
<input type="checkbox"/> <b>TRAP-HD</b>	Reinforced gearbox application	<input type="checkbox"/> <b>HPE-V45</b>	Parker VP1-45, variable displacement, single flow, engine mounted hydraulic pump
<input checked="" type="checkbox"/> <b>DRM-BE</b>	Drive mode - Balanced & Economy	<input type="checkbox"/> <b>HPE-V75</b>	Parker VP1-75, variable displacement, single flow, engine mounted hydraulic pump
<input type="checkbox"/> <b>DRM-E</b>	Drive mode - Economy	<input type="checkbox"/> <b>PTPT-D</b>	Powertronic PTO, 1 front/upper DIN connection for plug-in pump (max. 850 Nm)
<input type="checkbox"/> <b>PVT-MAP</b>	I-See Predictive Cruise Control - using map-based topography information	<input type="checkbox"/> <b>PTPT-F</b>	Powertronic PTO, 1 front/upper rear facing SAE flange conn. for prop shaft (max.850 Nm)
<input checked="" type="checkbox"/> <b>PVT-MTM</b>	I-See Predictive Cruise Control - using map-based topography information with lower operating settings	<input type="checkbox"/> <b>PTR-D</b>	Gearbox PTO for plug-in pump, 0.71xeng speed
<input checked="" type="checkbox"/> <b>CRUIS-E</b>	Cruise control - with I-roll and I-cruise, controls in steering wheel	<input type="checkbox"/> <b>PTR-DH</b>	Gearbox driven high speed PTO for one plug-in hydraulic pump
<input type="checkbox"/> <b>CRUIS-E5</b>	Eco torque software - Improved economy mode. Fuel economy optimized cruise control for I-Save	<input type="checkbox"/> <b>PTR-DM</b>	Gearbox driven medium speed PTO for one plug-in hydraulic pump
<input type="checkbox"/> <b>AMSO-AUT</b>	Enhanced I-shift software with manual shift available in auto mode and kickdown facility on accelerator pedal	<input type="checkbox"/> <b>PTR-F</b>	Gearbox driven PTO with rear flange connection
<input type="checkbox"/> <b>AVO-ENH</b>	I-Shift application software - Construction and off road applications	<input type="checkbox"/> <b>PTRD-D</b>	Gearbox driven HIGH SPEED PTO for two plug-in hydraulic pumps
<input type="checkbox"/> <b>APF-ENH</b>	I-shift enhanced PTO functions	<input type="checkbox"/> <b>PTRD-F</b>	PTO with 1 DIN + 1 flange connection rear, manual gearbox
<input type="checkbox"/> <b>CD43-O</b>	Clutch - 430mm twin plate	<input type="checkbox"/> <b>HPG-F101</b>	Gearbox mounted hydraulic pump - Parker F1-101 hydraulic pump gearbox mounted
<input type="checkbox"/> <b>RET-TPT</b>	Hydraulic Retarder for Powertronic gearbox	<input type="checkbox"/> <b>HPG-F41</b>	Gearbox mounted hydraulic pump - Parker F1-41 gearbox mounted, fixed displacement, single flow
<input type="checkbox"/> <b>TC-HWO</b>	Transmission oil cooler - water to oil	<input type="checkbox"/> <b>HPG-F51</b>	Gearbox mounted hydraulic pump - Parker F1-51 gearbox mounted, fixed displacement, single flow
<input type="checkbox"/> <b>TC-MAOH2</b>	Extra high performance transmission oil cooler - air to oil with front mounted radiator	<input type="checkbox"/> <b>HPG-F61</b>	Gearbox mounted hydraulic pump - Parker F1-61 gearbox mounted, fixed displacement, single flow
<input type="checkbox"/> <b>TC-MWO</b>	Basic transmission oil cooler - water to oil	<input type="checkbox"/> <b>HPG-F81</b>	Gearbox mounted hydraulic pump - Parker F1-81 gearbox mounted, fixed displacement, single flow
<input type="checkbox"/> <b>2COM1100</b>	Air compressor - Two-cylinder 1100 litres per minute	<input checked="" type="checkbox"/> <b>STWPOS-R</b>	Steering wheel position - RIGHT-HAND DRIVE
<input type="checkbox"/> <b>2COMP870</b>	Air compressor - Two-cylinder 870 litres per minute	<input type="checkbox"/> <b>STWM-LE</b>	Steering wheel - Leather
<input checked="" type="checkbox"/> <b>2COMP900</b>	Air compressor - Two-cylinder 900 litres per minute	<input type="checkbox"/> <b>STGW-AD2</b>	Steering wheel adjustment - Neck tilt, column height and angle
<input type="checkbox"/> <b>CLU-AIRC</b>	Clutchable air compressor	<input checked="" type="checkbox"/> <b>STGW-ADJ</b>	Steering wheel adjustment - Column height and angle
<input checked="" type="checkbox"/> <b>AIRIN-HI</b>	Air intake - Roof-mounted behind cab on the left-hand side	<input checked="" type="checkbox"/> <b>AIRBAG</b>	Driver air bag
<input type="checkbox"/> <b>AIRIN-LO</b>	Low level air intake behind cab on left hand side	<input checked="" type="checkbox"/> <b>DRC-AMII</b>	DPF Regeneration control switch - for manual and switching off regeneration
<input type="checkbox"/> <b>ACL1ST-S</b>	Air filter - two-stage element	<input checked="" type="checkbox"/> <b>1DAYDIG4</b>	Smart tachograph - Continental VDO 4.1 version 2 - legal demand from 21/08/2023
<input checked="" type="checkbox"/> <b>24A110BL</b>	Alternator capacity - 110 amp	<input type="checkbox"/> <b>ARSL</b>	Additional road speed limit - switch in dashboard
<input checked="" type="checkbox"/> <b>24A150BL</b>	Alternator capacity - 150 amp	<input type="checkbox"/> <b>ESP-BAS1</b>	Electronic Stability Control ESC
<input type="checkbox"/> <b>24A180BL</b>	Alternator capacity - 180 amp	<input type="checkbox"/> <b>ESPC-RO</b>	Additional ESC functions - Reduced / Off
<input type="checkbox"/> <b>24AL110B</b>	Alternator capacity - 110 amp	<input type="checkbox"/> <b>HWSS-ACB</b>	Forward collision warning with adaptive cruise control and AEBs advanced emergency brake system
<input type="checkbox"/> <b>24AL150B</b>	Alternator capacity - 150 amp	<input checked="" type="checkbox"/> <b>HWSS-FCB</b>	Forward collision warning with AEBs advanced emergency brake system
<input type="checkbox"/> <b>CCV-C</b>	Closed crankcase engine ventilation	<input type="checkbox"/> <b>LSS-DW</b>	Lane departure warning system
<input checked="" type="checkbox"/> <b>CCV-OX</b>	Closed crankcase ventilation for cold markets	<input type="checkbox"/> <b>LSS-DW3</b>	Lane departure warning system with pilot assist
<input checked="" type="checkbox"/> <b>PRIM-EL</b>	Electrical priming pump	<input checked="" type="checkbox"/> <b>LCS4</b>	Side Collision Avoidance Support - Passenger and driver side
<input type="checkbox"/> <b>PRIM-MAN</b>	Manual priming pump	<input type="checkbox"/> <b>LCS5</b>	Side Collision Avoidance Support - Active support with emergency brake on passenger side. Collision warning on passenger and driver side
<input type="checkbox"/> <b>FUEQ-EH</b>	Fuel line electric heater	<input checked="" type="checkbox"/> <b>DAS-W2</b>	Driver Alert Support with driver attention monitoring to comply with EU GSR2 step 2 regulations
<input type="checkbox"/> <b>AF-R</b>	Hot fuel recirculation heated fuel filter	<input checked="" type="checkbox"/> <b>PB-AUT2</b>	Parking Brake - Automatic using in cab sensors when driver leaves the seat
<input checked="" type="checkbox"/> <b>FUEFE2LW</b>	Large engine mounted dual fuel filter with water separator	<input type="checkbox"/> <b>RSENS-W</b>	Rain sensing windscreen wipers
<input type="checkbox"/> <b>FUEFE2SW</b>	Small engine mounted dual fuel filter with water separator		
<input type="checkbox"/> <b>EST-AID</b>	Engine starting aid -Preheating element in the air inlet manifold		
<input type="checkbox"/> <b>220EBH15</b>	220V/1.5Kw electric engine block heater		
<input type="checkbox"/> <b>PTER-100</b>	Engine power-take-off - Rear-mounted with DIN100/ISO7646 flange		
<input type="checkbox"/> <b>PTER-DIN</b>	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)		
<input type="checkbox"/> <b>PTER1400</b>	Engine power-take-off - Rear-mounted with SAE 1410 flange		
<input type="checkbox"/> <b>HPE-F101</b>	Parker F1-101,engine mounted, fixed displacement, single flow, engine mounted hydraulic pump		

Standard Equipment

Optional Equipment

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# MODEL RANGE

## FM 13 8x2 Tag Rigid - Rear Air Suspension FM 82RF 3A

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

### CAB EXTERIOR

- **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

■ Standard Equipment      □ Optional Equipment

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# MODEL RANGE

## FM 13 8x2 Tag Rigid - Rear Air Suspension FM 82RF 3A

■ <b>BUMP-B</b>	Front bumper - Plastic	□ <b>ANT-CBR</b>	Roof mounted antenna for CB radio, single aerial. Only Globetrotter cabs brings in extra DIN slots.
□ <b>BUMP-B2</b>	Front bumper - Steel	□ <b>ACCBR-AP</b>	Front, middle & rear roof mounted accessory brackets
□ <b>BUMP-SP</b>	Front bumper spoiler	□ <b>ACCBR-F</b>	Front roof mounted accessory bracket
□ <b>GUARD-EH</b>	Sump and radiator guard - to protect engine and hoses	□ <b>ACCBR-FM</b>	Front & middle roof mounted accessory brackets
■ <b>BUGNET</b>	Radiator insect screen	□ <b>ACCBR-FR</b>	Front & rear roof mounted accessory brackets
□ <b>CTILTP-E</b>	Electrically operated hydraulic cab tilt	□ <b>ACCBR-M</b>	Middle roof mounted accessory bracket
■ <b>CTILTP-M</b>	Manually operated hydraulic cab tilt	□ <b>ACCBR-R</b>	Rear roof mounted accessory bracket
□ <b>FCABS-A</b>	Front cab suspension - Air	□ <b>ACCBR-RM</b>	Rear & middle roof mounted accessory brackets
■ <b>FCABS-M</b>	Front cab suspension - Mechanical spring	□ <b>REFS-TW</b>	White cab conspicuity markings by packed in cab
□ <b>RCABS-A</b>	Rear cab suspension - Air	□ <b>REFS-TY</b>	Yellow cab conspicuity markings by packed in cab
■ <b>RCABS-M</b>	Rear cab suspension - Mechanical spring		
□ <b>MIRCFPCS</b>	Mirrors - Electrically heated and operated main and wide-angle with manually adjusted passenger kerb and front mirror and position camera in nearside mirror arm	<b>SUPERSTRUCTURE PREPARATIONS</b>	
□ <b>MIRCFCPX</b>	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	□ <b>SRWL-PK</b>	Chassis-mounted working lamps - Side work and reverse lamp preparation and 3 position switch - Max load 280W
□ <b>MIRCMCP</b>	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.	□ <b>SWL-2FW</b>	Chassis-mounted working lamps - Two white front mounted LED lamps
□ <b>MIRCMS</b>	Camera monitoring and mirrors - Electrically heated and operated main and wide-angle rear view cameras with manually adjusted passenger kerb and front mirror	□ <b>SWL-2RW</b>	Chassis-mounted working lamps - Two white rear mounted LED lamps
■ <b>MIRCOMF</b>	Mirrors - Electrically heated and operated main and wide angle and manually adjusted passenger kerb and front mirror	□ <b>SWL-4W</b>	Chassis-mounted working lamps - Four white front and rear mounted LED lamps
□ <b>MIRCOMFX</b>	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	□ <b>SWL-PK</b>	Chassis-mounted working lamps - Side work lamp preparation and 2 position switch - Max load 280W
■ <b>AMIR-F20</b>	Auxiliary front view mirror with a 200mm radius	□ <b>WLC-H2A</b>	Working lamp back of cab - Two amber LED high mounted
□ <b>SUNV-H</b>	External smoke grey sunvisor	□ <b>WLC-H2W</b>	Working lamp back of cab - Two white LED high mounted at the back of cab
□ <b>AD-ROOF</b>	Cab roof deflector - Adjustable	□ <b>WLC-PKCH</b>	Working lamp back of cab - Preparation kit - cables and switch
□ <b>AD-SIDES</b>	Cab side deflector - Short extension panels	□ <b>WLC-PKH</b>	Preparation kit, cables and switch for high mounted working lamps back of cab
■ <b>HL-LED</b>	Headlights - LED	□ <b>WLC-PKL</b>	Preparation kit, cables and switch for low mounted working lamps back of cab
□ <b>HL-LED3</b>	Headlights - LED Adaptive high beam	□ <b>WLC-PKLH</b>	Preparation kit - cables and switch for low and high mounted working lamps back of cab.
□ <b>HBDA-A</b>	Headlight main beam switching - Automatic	■ <b>ECBB-HIG</b>	Bodybuilder module - High level body electrical centre in dash input/output module
■ <b>HL-CLEAN</b>	Headlight cleaner - Washer jets	□ <b>BBCHAS1</b>	One 7-pole connector for Body builder interface
□ <b>HLP-ST</b>	Headlight protection	□ <b>BBCHAS3</b>	Three 7-pole connectors for Body builder interface
□ <b>DRIVL2</b>	Two spot lamps	□ <b>BEPR-T2</b>	Body builder electrical software preparation for tipper with remote control
■ <b>UDRIVL</b>	Auxiliary driving lights - Without	□ <b>EXSTER</b>	External steering control - Volvo dynamic steering and bodybuilder module prepared for external control system, installed and computer by bodybuilder
■ <b>FOGL-WC</b>	Front fog lights	■ <b>TD-LED</b>	Trailer detection with LED sensing
□ <b>CL-STAT</b>	Static corner lights	□ <b>FRFS-BS</b>	Frame rail free space - both sides to give space for crane legs or other equipment
□ <b>ASL-RF2</b>	Integrated roof spotlights - Two LED aerodynamic spot lights in Globetrotter sign box	□ <b>FBA-BTF</b>	Lower front body attachments for torsionally flexible - platform body
□ <b>BEACOA2F</b>	Roof beacons - Two front roof mounted amber LED	□ <b>FBA-BTSF</b>	Lower front body attachments for torsionally semi-flexible body - box or curtainsider
□ <b>BEACOA2R</b>	Roof beacons - Two rear roof mounted amber LED	□ <b>HBA-FSFB</b>	Holes for body attachments - flexible/semi-flexible body
□ <b>BEACON-P</b>	Roof beacons - switch and wiring preparation only	□ <b>HBA-SB</b>	Holes for body attachments - stiff body
□ <b>BEACONA4</b>	Roof beacons - Four amber LED - two front/ two rear	□ <b>RBA-T2</b>	Lower rear body attachments for helper frame
□ <b>CABPT-R1</b>	Single outlet for roof mounted accessories	□ <b>CRANEPK1</b>	Crane plates mounted to frame, for cranes up to 10 tonne metre capacity
■ <b>CABPT-R2</b>	Twin outlets for roof mounted accessories.	□ <b>CRANEPK2</b>	Crane plates mounted to frame, for cranes up to 20 tonne metre capacity
□ <b>SPOTP-F</b>	Spotlamp preparation in front, max 280W	□ <b>CRANEPK4</b>	Crane plates mounted to frame, for cranes up to 40 tonne metre capacity
□ <b>SPOTP-R</b>	Spotlamp preparation on roof, max 280W	□ <b>AUXL-SPK</b>	Electrical preparation kit - wiring and switch for snow plough lights
□ <b>SPOTP-RF</b>	Spotlamp preparation on cab roof and in cab front, max 2x280W	□ <b>TAILPRE2</b>	Tail lift preparation kit, wireless remote operation
□ <b>ROS-IL2</b>	Preparation kit for illuminated roof sign with switch loose in cab, fit after registration	□ <b>TAILPREP</b>	Taillift preparation kit - cab switch and warning in driver display
□ <b>CSGN-GTR</b>	Cab sign logo - Volvo "Globetrotter" or "Power" sign	□ <b>AESW2</b>	Two Body builder bistable electrical switches (marked AUX1 / AUX2)
■ <b>HORN-F1S</b>	Horn - Air single tone - chassis mounted	□ <b>AESW2PK</b>	2 Body builder bistable el.switches (marked AUX1/AUX2) and prep. for 4 more switches
□ <b>HORN-R2S</b>	Horn - Air - Two roof-mounted		

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# MODEL RANGE

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- **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