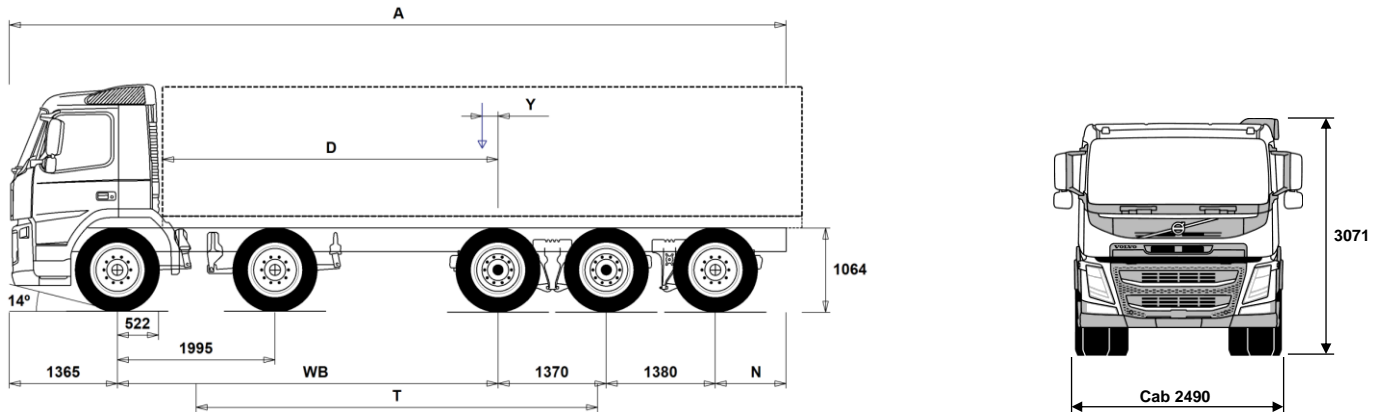


# MODEL RANGE



Volvo Trucks. Driving Progress

FM 13 10x4 Rigid - High Tag Tridem - N3 – contact sales engineering reference application



## Chassis Dimensions [mm]

WB Wheelbase	4300	4350	4600	4900	5100	5600	6000
A Overall Chassis Length	9660	11160	11260	11710	11710	11360	11360
D Center of rear axle to front of body	3728	3778	4028	4328	4528	5028	5428
N Rear Overhang (Min.)	895	1245	1245	1245	1245	1245	895
N Rear Overhang (Max.)	1245	2695	2545	2695	2495	1645	1245
T Theoretical Wheelbase	4561	4611	4861	5161	5361	5861	6261
Y Center of Gravity for Payload (Min.)	-984	-959	-943	-914	-903	-878	-854
Y Center of Gravity for Payload (Max.)	712	765	878	1024	1111	1324	1501

## Chassis Weights [kg]

Front Axles	6700	6605	6610	6575	6585	6615	6625
Rear Bogie	3785	3995	4035	4115	4125	4090	4110
Kerb Weight	10485	10600	10645	10690	10710	10705	10735
Payload (including body, driver, fuel, etc.)	21515	21400	21355	21310	21290	21295	21265

## Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	18100	18200	19000	20000	20600	22200	23500
Turning Circle Diameter Wall to Wall	19500	19600	20400	21400	22000	23700	24900

## Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	32000	43000
Gross Combination Weight	44000	44000
Front Axles	16000	16000
Rear Bogie	24000	27000

## Important Notes

### Chassis Dimensions

Cab Height: +416 mm for CAB-HSLP, -169 mm for CAB-LSLP, +554 mm for CAB-XHSL.

Front Axle to Back of Cab: +424 mm for CAB-HSLP and CAB-SLP and CAB-XHSL, +418 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  $\pm 20$  mm for leaf and  $\pm 10$  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  $\pm 3\%$ .**

Turning diameters are theoretically calculated. Tag axle used: TA-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 FM104FTR3HA.

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## TRUCK USE

- RC-ROUGH** Operating class on/off road
- RC-SMOOTH** Operating class highway
- TIPP-PRE** Tipper vehicle preparation
- UNIFORM** Basic platform vehicle

## CORE COMPONENTS

- **CHH-HIGH** Chassis height high - N3 "On Road" chassis - For a specific loading height always check the unique BEP chassis drawing
- CHH-MED** Chassis height medium - For a specific loading height always check the unique BEP chassis drawing
- **TA-HYSBS** Electro-hydraulic steered tag axle, with steering lock out at 38kph  
8x2 models with rear steer will use the engine PTO to drive the steering pump, so will need an adapter.
- **RADDT-GR** RADDT-GR - 8x4 Tag Tridem - High
- **FM-DAY** Day cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-HSLP** Globetrotter cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-LSLP** Low sleeper cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-SLP** Sleeper cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-XHSL** Globetrotter LXL cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- **EU6SCR** Emission level - Euro 6
- D13 420S** D13K420 12.8 litre engine developing 420hp at 14-1800rpm.  
Peak torque 2100Nm at 860 -1400rpm.
- D13 460S** D13K460 12.8 litre engine developing 460hp at 14-1800rpm.  
Peak torque 2300Nm at 900-1400rpm.
- D13 500S** D13K500 12.8l engine developing 500hp at 14-1800rpm.  
Peak torque 2500Nm at 1000-1400rpm.
- **D13K420** D13K420 - 420hp engine
- D13K460** D13K460 - 460hp engine
- D13K500** D13K500 - 500hp engine
- EBR-EPGC** Exhaust pressure governor for I shift gearbox
- EBR-VEB+** Volvo engine brake + and exhaust pressure governor, enhanced performance from additional exhaust rocker control. Retardation 375kW
- **AT2612F** AT2612F 12-speed "I-shift" automated mechanical gearbox suitable for gross train weights up to 60tonne only refer to sales engineering when used in conjunction with a PTO
- ATO2612F** ATO2612F 12-speed "I-shift" overdrive automated mechanical gearbox suitable for gross train weights up to 60tonne refer to sales engineering when used in conjunction with a PTO
- SPO2812** SPO2812 - 12 speed I-shift Dual Clutch automated mechanical gearbox GCW 60tonne
- RTH2610F** RTH2610F hub reduction tandem 26tonne drive axles, GCW 100 tonnes with differential and cross locks\*  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified
- RTS2310A** RTS2310A single reduction tandem 23tonne drive axles with differential and cross locks\* - design GCW 100tonnes.  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified.
- **RTS2370A** RTS2370A single reduction tandem 23tonne drive axles with differential and cross locks\* - design GCW 70tonnes.  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified.

- Standard Equipment
- Optional Equipment

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

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## PACKAGES

- LHFP-VE** Long Haul Fuel Economy driving package
- LHFP-VE+** Long Haul Fuel Economy plus driving package
- DRIVEFM** Cab Package: Drive
- DRIVEFM+** Cab Package: Drive +
- BEDFM** One bed resting package
- AUDHIG** High Power Audio system: RDS radio with CD player - also playing MP3/WMA files from CD -, with integrated bluetooth phone and USB/Line inputs. FM/AM antenna, speakers in dashboard, doors, and sleeping compartment.
- MEDIA** AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal apps.
- MEDIAF** AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.  
Dynafleet vehicle on-board data display with office internet support.
- MEDIANAV** AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.  
Truck based satellite navigation (live updates not included)
- MEDIAADF** AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.  
Truck based satellite navigation (live updates not included)  
Dynafleet vehicle on-board data display with office internet support.
- VISI15** Visibility Package
- VISI15+** Visibility Plus Package
- RCHAPAC1** 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
  - FSL5-BAS** Front suspension levelling - basic stroke
  - **FAL16.0** Front axles design capacity 16 tonnes - 2 x 8.0 tonne front axles
  - FAL18.0** Front axles design capacity 18 tonnes - 2 x 9 tonne front axles - check tyre load index
  - FAL20.0** Front axles design capacity 20 tonnes - 2 x 10.0 tonne front axles only available with front air suspension.
  - FSM-LUB** Lubricated rear shackles on front suspension pins and bushings
  - **FSTAB** Front anti-roll bar
  - FSTAB2** Front anti-roll bar medium stiffness
  - FSTAB3** Front stiff anti-roll bar
  - **RAL27** Rear bogie design capacity 27 tonnes
  - RAL33** Rear bogie design capacity 33 tonnes
  - RAL36** Rear bogie design capacity 36 tonnes
  - **RSTAB3** Rear stiff anti-roll bar
  - **RALIM105** Rear axle load limiter, 10.5 tonnes
  - RALIM115** Rear axle load limiter, 11.5 tonnes
  - RALIM13** Rear axle load limiter, 13 tonnes
  - RALIM95** Rear axle load limiter, 9.5 tonnes
  - ACTST-TO** Volvo Dynamic Steering (VDS) with with extra electronic pump and torque overlay
  - ASFE-BAS** Active steering feature - Basic - Volvo Dynamic Steering only
  - ASFE-PS** Active steering feature - Volvo Dynamic Steering with personal settings
  - **PSP-VAR** Power steering pump with variable displacement

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■ <b>EBS-MED</b>	EBS medium package including "hill" hold function		
□ <b>AUXPARK</b>	Additional spring parking brakes		
■ <b>FRAME300</b>	Frame rail section external height 300 mm		
■ <b>FST8080</b>	Frame thickness - web and flange 8.0mm		
■ <b>FIL-EEEB</b>	Inner liner from end of engine to end of bogie		
□ <b>FIL-EEEF</b>	Inner liner from end of engine to end of frame		
■ <b>BBOX-L</b>	Battery box located on left hand side		
□ <b>2BAT210B</b>	2 x 210 Ah capacity Gel batteries		
■ <b>2BATT170</b>	2 x 170 Ah capacity batteries		
■ <b>2BATT225</b>	2 x 225 Ah capacity batteries		
■ <b>BATTAMP</b>	Battery voltage and ampere gauge		
□ <b>BATTIND</b>	Battery charge indication		
□ <b>ADR2</b>	ADR package for transportation of dangerous goods on road (Note does NOT include safe loading pass package if required this is quoted separately)		
□ <b>MSWI-A</b>	Main switch - ADR switch circuit shut down		
■ <b>MSWI-C</b>	Main switch - Chassis mounted toggle switch by battery box		
□ <b>MSWI-R</b>	Main switch - Key fob operated remote controlled		
■ <b>UR-FUEL</b>	Without right fuel tank Min volume 255l Max volume 810l		
■ <b>UL-FUEL</b>	Without left fuel tank Min volume 160l Max volume 450l		
□ <b>ADTP-L</b>	AdBlue tank on left hand side		
□ <b>ADTP-LF</b>	AdBlue tank on left hand side at the front		
■ <b>ADTP-R</b>	AdBlue tank on right hand side		
□ <b>ADB032</b>	AdBlue tank usable volume 32 litres		
□ <b>ADB048</b>	AdBlue tank usable volume 48 litres		
□ <b>ADB064</b>	AdBlue tank usable volume 64 litres		
□ <b>ADTC-BF</b>	AdBlue tank cover with satin alloy look decorative cover		
■ <b>FCAP-L</b>	Locking fuel filler cap		
■ <b>FUFF-AS</b>	Fuel filling anti-spillage device		
□ <b>FUFF-ATS</b>	Fuel filling anti-theft and anti-spillage devices		
□ <b>ESH-LEFT</b>	Horizontal silencer, left exhaust outlet		
■ <b>ESH-REAR</b>	Horizontal silencer, rear exhaust outlet		
□ <b>ESH-RIGH</b>	Horizontal silencer, right exhaust outlet		
□ <b>ESH-VERT</b>	Horizontal silencer, vertical exhaust outlet		
□ <b>ESHVVERT</b>	Horizontal chassis mounted diesel particulate filter and vertical SCR silencer behind cab		
□ <b>EXST-SSP</b>	Stainless steel exhaust stack - NOT polished		
□ <b>EXST-ST</b>	Steel exhaust stack		
□ <b>WHC-FIX2</b>	Two fixed wheel chocks		
□ <b>WHC-FOL2</b>	Two foldable wheel chocks		
□ <b>WHCP-F</b>	Wheel chock(s) stored in the front part of the vehicle		
□ <b>WHCP-R</b>	Wheel chock(s) stored in the rear part of the vehicle		
□ <b>WHCP-T</b>	Transport mounted wheel chock(s) stored in cab outer luggage locker		
□ <b>TB-L80</b>	Toolbox 800 mm, left side		
□ <b>TB-R80</b>	Toolbox 800 mm, right side		
□ <b>SUP-BAS</b>	EC approved chassis side guards		
□ <b>SUP-LOW</b>	EC approved low chassis side guards		
□ <b>CHAIN-S</b>	Snow chains		
□ <b>HOOK-SC</b>	Snow chain hooks		
■ <b>TOWF-NO1</b>	One front towing device		
□ <b>TOWF-NO2</b>	Two front towing devices		
□ <b>TOWMBRH</b>	Towing member, high mounted in centre of frame, D = 190		
□ <b>TOWMBRL1</b>	Towing member, low mounted under the frame		
□ <b>TOWMBRM</b>	Towing member, medium mounted in line with frame lower		
			flange
		■ <b>RFEC-S</b>	Rear frame end, straight cut for regular platform applications
		□ <b>RFEC-U</b>	Rear frame end, upper cut for tipper applications.
		□ <b>C-RI4040</b>	Towing coupling, Ringfeder 4040 G-150
		□ <b>C-RI5055</b>	Towing coupling, Ringfeder 5055 G-150
		□ <b>C-RO400G</b>	Towing coupling, Rockinger 400 G-150 for 40mm eyes
		□ <b>C-RO50</b>	Rockinger RO 50 50mm for centre axle trailer
		□ <b>C-VBG750</b>	VBG 750 coupling (centre axle trailer) Contact VBG on 01925 234111 to validate the coupling rating for the application
		□ <b>TOWR-ONE</b>	Towing hitch attached to rear crossmember
		□ <b>TREL-PK</b>	Trailer electrical preparation kit - chassis/cab wiring
		□ <b>TREL14</b>	Single 14 pole electrical trailer connector
		□ <b>TREL15</b>	Single 15 pole electrical trailer connector - ADR certified
		□ <b>TREL7</b>	7 pole - 24N trailer electrical suzie
		□ <b>TREL7-7</b>	24N and 24S trailer electrical suzies
		□ <b>TBC-DUO</b>	Duomatic type air line connectors
		□ <b>TBC-EC</b>	Palm coupling type air line connectors
		□ <b>TRBR-HCF</b>	Full pressure hand controlled trailer brake
		□ <b>TRBR-STA</b>	Stationary trailer brake control
		□ <b>TRB-STRE</b>	Stretch Brake - Automatic low speed trailer brake activation to avoid jack-knifing and improve steerability
		□ <b>RUP-FOSL</b>	Folding & sliding EC approved aluminium rear underrun
		□ <b>FFEND-B</b>	Standard mounted mud wings on second front axle
		□ <b>FFEND-T</b>	Transport mounted mud wings on second front axle
		□ <b>RFEND-B</b>	Three piece EC approved rear mud wings and spray flaps
		□ <b>RFEND-T</b>	Rear mud wings, transport mounted
		□ <b>RFH-BAS</b>	Basic rear wing height
		□ <b>RFH-HIG</b>	High rear wing height - higher wing tops
		□ <b>RFH-LOW</b>	Lower rear wing height - shallower wing tops
		□ <b>ATANK-AL</b>	Aluminium air tanks
		■ <b>ATANK-ST</b>	Steel air tanks
		□ <b>TL-LED</b>	Rear lights LED
		□ <b>BLIGHT-E</b>	Emergency brake light
		<b>WHEELS &amp; TYRES</b>	
		□ <b>RT-AL</b>	Alcoa brushed aluminium rims with standard holes for long stud fixing on all axles
		□ <b>RT-ALDP</b>	Alcoa Dura-Bright EVO aluminium rims with standard holes long stud fixing on all axles, requires cleaning with a ph neutral solution - washing up liquid.
		□ <b>RT-ALDPD</b>	Alcoa Dura-Bright EVO aluminium rims with countersunk holes for short stud fixing on all axles, requires cleaning with a ph neutral solution - washing up liquid.
		□ <b>RT-ALDU</b>	Alcoa brushed aluminium rims with countersunk holes for short stud fixing on all axles
		■ <b>RT-STEEL</b>	Steel rims on all axles
		□ <b>WCAP</b>	Aerodynamic hub caps
		□ <b>SPWT-D</b>	Spare wheel & tyre with rear tyre pattern
		□ <b>SPWT-F</b>	Spare wheel & tyre with front tyre pattern
		□ <b>SWCP-LF</b>	Spare wheel carrier on left side of chassis ahead of rear axle
		□ <b>SWCP-T</b>	Spare wheel supplied temporarily strapped to chassis
		□ <b>SWCP-TP</b>	Temporary spare wheel carrier on top of chassis frame
		□ <b>JACK-12T</b>	12 tonne bottle jack
		□ <b>JACK-15T</b>	15 tonne bottle jack
		□ <b>JACK-20T</b>	20 tonne bottle jack
		■ <b>TOOL-BAS</b>	Basic Toolkit
		□ <b>TOOLKIT</b>	Complete tool kit
		□ <b>INFLAHOS</b>	Tyre inflation hose
		□ <b>GAUGE-TP</b>	Tyre pressure gauge
		<b>DRIVELINE EQUIPMENT</b>	
		□ <b>ASO-C</b>	Crawler gear -

■ Standard Equipment

□ Optional Equipment

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<input type="checkbox"/> <b>ASO-ULC</b>	Ratio direct top gearbox 19:1 Ratio Overdrive gearbox 17:1 Ultra low crawler and crawler gear - Ratios direct top gearbox 32:1 and 19:1 Ratios Overdrive box 32:1 and 17:1	<input type="checkbox"/> <b>HPG-F81</b>	Parker F1-81 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>TRAP-HD</b>	Reinforced gearbox application	<input type="checkbox"/> <b>EIDLESD</b>	Engine idle shut down
<input type="checkbox"/> <b>TP-BAS</b>	I-shift software - basic	<input type="checkbox"/> <b>DTRI-PER</b>	Dashboard in darker peregrine greyish brown. Steering wheel grey and door panels in light beige for FH and black for FH16.
<input type="checkbox"/> <b>TP-CON</b>	Construction Package	<input checked="" type="checkbox"/> <b>STWPOS-R</b>	RIGHT HAND DRIVE
<input type="checkbox"/> <b>TP-DIST</b>	Distribution Package	<input type="checkbox"/> <b>STWM-LE</b>	Leather steering wheel
<input type="checkbox"/> <b>TP-HD</b>	I-shift software - Heavy duty for high GCW Special conditions apply consult Sales Engineering	<input type="checkbox"/> <b>STGW-AD2</b>	Adjustable steering wheel with neck tilt
<input type="checkbox"/> <b>TP-LONG</b>	Long Haul Package	<input checked="" type="checkbox"/> <b>STGW-ADJ</b>	Adjustable steering wheel
<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>AIRBAG</b>	SRS Driver's air bag
<input type="checkbox"/> <b>AVO-ENH</b>	Enhanced software for off road driveability and starting	<input checked="" type="checkbox"/> <b>DRC-AMII</b>	DPF Regeneration control switch - for manual and switching off regeneration
<input type="checkbox"/> <b>APF-ENH</b>	I-shift enhanced PTO functions	<input checked="" type="checkbox"/> <b>1DAYDIG2</b>	Continental VDO DTCO 4.0 smart tachograph This tachograph can ONLY offer remote download if the option of Dynafleet or an FMS gateway has been specified with this order.
<input type="checkbox"/> <b>TC-MAOH2</b>	Extra high performance transmission oil cooler - air to oil with front mounted radiator	<input type="checkbox"/> <b>1DAYDIGP</b>	Continental VDO DTCO 3.0 digital tachograph For vehicles with long lead time - this includes prep kit for the retrofit of DTCO 4.0 tachograph. For updating to new legal demand for trick registration from 15th June 2019. This tachograph can ONLY offer remote download if the option of Dynafleet or an FMS gateway has been specified with this order.
<input type="checkbox"/> <b>TC-MWO</b>	Basic transmission oil cooler - water to oil	<input type="checkbox"/> <b>ARSL</b>	Additional road speed limit - switch in dashboard
<input type="checkbox"/> <b>2COM1100</b>	Two cylinder, air compressor, 1100 litres per minute	<input type="checkbox"/> <b>CRUIS-E</b>	Eco cruise control (with eco-roll and I-cruise, controls in steering wheel)
<input checked="" type="checkbox"/> <b>2COMP900</b>	Two cylinder, air compressor, 900 litres per minute	<input checked="" type="checkbox"/> <b>CRUISEC</b>	Cruise control, standard
<input type="checkbox"/> <b>CLU-AIRC</b>	Clutchable air compressor	<input type="checkbox"/> <b>ESP-BAS1</b>	Electronic Stability Control
<input checked="" type="checkbox"/> <b>AIRIN-HI</b>	Roof mounted air intake behind cab on left hand side	<input type="checkbox"/> <b>ESPC-RO</b>	ESP (Electronic Stability Program) functionality control - Reduced / Off
<input type="checkbox"/> <b>AIRIN-LO</b>	Low level air intake behind cab on left hand side	<input type="checkbox"/> <b>HWSS-ACB</b>	Adaptive cruise control ACC with forward collision warning and AEBs advanced emergency brake system
<input type="checkbox"/> <b>ACL1ST-S</b>	Two stage air filter	<input type="checkbox"/> <b>HWSS-FCB</b>	Forward collision warning with AEBs advanced emergency brake system
<input checked="" type="checkbox"/> <b>24AL110B</b>	110 amp alternator	<input type="checkbox"/> <b>LSS-DW</b>	Lane departure-warning system
<input type="checkbox"/> <b>24AL120B</b>	120 amp alternator	<input type="checkbox"/> <b>LCS</b>	Lane change support
<input type="checkbox"/> <b>24AL150B</b>	150 amp alternator	<input type="checkbox"/> <b>DAS-W</b>	Driver Alert Support system
<input type="checkbox"/> <b>CCV-C</b>	Closed crankcase engine ventilation	<input type="checkbox"/> <b>RSENS-W</b>	Rain sensing windscreen wipers
<input type="checkbox"/> <b>CCV-O</b>	Open crankcase engine breather	<input type="checkbox"/> <b>CU-ECC</b>	Electrically controlled air conditioning with sun sensor
<input checked="" type="checkbox"/> <b>CCV-OX</b>	Closed crankcase ventilation for cold markets	<input type="checkbox"/> <b>CU-ECC2</b>	Electrically controlled air conditioning with sun sensor, mist sensor, air quality sensor and carbon filter
<input checked="" type="checkbox"/> <b>PRIM-EL</b>	Electrical priming pump	<input checked="" type="checkbox"/> <b>CU-MCC</b>	Climate unit with manual controlled air conditioning
<input type="checkbox"/> <b>PRIM-MAN</b>	Manual priming pump	<input checked="" type="checkbox"/> <b>IMMOBIL</b>	Thatcham H2 approved immobiliser
<input type="checkbox"/> <b>AF-R</b>	Hot fuel recirculation heated fuel filter	<input type="checkbox"/> <b>ALARM-B</b>	Thatcham H1 approved vehicle alarm - Cab only
<input type="checkbox"/> <b>FUEFE2LW</b>	Large engine mounted dual fuel filter with water separator	<input type="checkbox"/> <b>ALARM-E</b>	Enhanced vehicle alarm - Thatcham H1 approved - Cab plus external sensor for body/trailer
<input checked="" type="checkbox"/> <b>FUEFE2SW</b>	Small engine mounted dual fuel filter with water separator	<input type="checkbox"/> <b>ALCOLOCK</b>	Alcolock
<input type="checkbox"/> <b>EST-AID</b>	Air inlet manifold starting heater element	<input type="checkbox"/> <b>BUPMON</b>	Back up monitor with built in 7" screen on dash and one colour camera supplied loose for fitment by bodybuilder. Can accommodate up to 4 cameras for TfL Safe Scheme, CLOCS and FORS.
<input type="checkbox"/> <b>220EBH15</b>	220V/1.5Kw electric engine block heater	<input type="checkbox"/> <b>PHONE-PK</b>	Telephone preparation kit (antenna, antenna attachm. cable incl.)
<input type="checkbox"/> <b>PTER-DIN</b>	Rear engine mounted PTO 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>WLIFT-AD</b>	Electrical window lift, automatic up/down driver side
<input type="checkbox"/> <b>HPE-V45</b>	Parker VP1-45, variable displacement, single flow, engine mounted hydraulic pump	<input checked="" type="checkbox"/> <b>WLIFT-EB</b>	Electrical window lift
<input type="checkbox"/> <b>HPE-V75</b>	Parker VP1-75, variable displacement, single flow, engine mounted hydraulic pump	<input type="checkbox"/> <b>WLIFT-ME</b>	Mechanical window lift
<input type="checkbox"/> <b>PTR-D</b>	Gearbox PTO for plug-in pump, 0.71xeng speed	<input type="checkbox"/> <b>ISUNS-BS</b>	Side interior sun visor on both sides
<input type="checkbox"/> <b>PTR-DH</b>	Gearbox driven high speed PTO for one plug-in hydraulic pump	<input checked="" type="checkbox"/> <b>ISUNS-DS</b>	Driver's side interior sun visor
<input type="checkbox"/> <b>PTR-DM</b>	Gearbox driven medium speed PTO for one plug-in hydraulic pump		
<input type="checkbox"/> <b>PTR-F</b>	Gearbox driven PTO with rear flange connection		
<input type="checkbox"/> <b>PTRD-D</b>	Gearbox driven HIGH SPEED PTO for two plug-in hydraulic pumps		
<input type="checkbox"/> <b>PTRD-F</b>	PTO with 1 DIN + 1 flange connection rear, manual gearbox		
<input type="checkbox"/> <b>HPG-F101</b>	Parker F1-101 gearbox mounted, fixed displacement, single flow, hydraulic pump		
<input type="checkbox"/> <b>HPG-F41</b>	Parker F1-41 gearbox mounted, fixed displacement, single flow, hydraulic pump		
<input type="checkbox"/> <b>HPG-F51</b>	Parker F1-51 gearbox mounted, fixed displacement, single flow, hydraulic pump		
<input type="checkbox"/> <b>HPG-F61</b>	Parker F1-61 gearbox mounted, fixed displacement, single flow, hydraulic pump		

Standard Equipment

Optional Equipment

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# MODEL RANGE

## FM 13 10x4 Rigid - High Tag Tridem - N3 – contact sales engineering reference application

- **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
- **CSPU-S** One open storage (behind push open lid) in upper part of dash panel center section
- **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** 3kg fire extinguisher mounted on seat base
- **WARNVEST** High visibility warning vest - no sleeves
- **AIDKIT** First aid kit
- **AIDKIT1B** First aid kit
- **WARNLAMP** Portable warning lamp
- **LAMP-IN** Inspection lamp
- **BULBKIT** Bulb and fuse kit
- **WRITEPAD** Writing pad
- **UPHTRI10** Seats: Black embossed textile insert with light grey sides, black vinyl side bolster with blue vinyl side insert.  
Interior trim: Raven black bunk and curtains & blue textile side walls
- **UPHTRI11** Seats: Light grey embossed textile insert, black raven metallic vinyl bolster with red vinyl side insert.  
Interior trim: Raven black bunk and curtains & grey vinyl side walls
- **UPHTRI12** Seats: Blue soft textile insert, black vinyl bolster.  
Interior trim: Raven black bunk and curtains & blue textile side walls
- **UPHTRI13** Seats: Dark grey leather insert and black leather bolster.  
Interior trim: Raven black bunk and curtains & grey vinyl side walls
- **UPHTRI14** Seat: Dark grey leather insert and black leather bolster.  
Interior trim: Raven black bunk and curtains & blue textile side walls
- **DST-CF4** Driver seat, comfort, suspended, belt in seat
- **DST-CF5** Driver seat, comfort, suspended, belt in seat, electrically heated
- **DST-CF6** Driver seat, comfort, suspended, belt in seat, electrically heated, ventilated
- **SBD-RED** Red seat belts
- **SBPRE-DS** Driver seat belt pretensioner
- **PST-BAS1** Passenger seat - Fixed non suspended fold up with seatbelt mounted in cab
- **PST-BENC** Bench passenger seat
- **PST-CF4** Passenger seat - Comfort suspended with seatbelt mounted in seat
- **PST-CF5** Passenger seat - Comfort suspended & heated with seatbelt mounted in seat
- **PST-STD2** Passenger seat - Fixed non suspended with seatbelt mounted in cab
- **PST-STD4** Passenger seat - Standard suspended with seatbelt mounted in cab
- **SBPRE-PS** Passenger seat belt pretensioner
- **ARM-DBPS** Two armrests on driver seat and one (outer) on passenger seat
- **ARMRE-BB** Two armrests on both driver and passenger seat.
- **ARMRE-DB** Two armrests, on driver seat only
- **ARMRE-PB** Two armrests, on passenger seat only
- **ARMRE-PS** Single armrest (next to driver) on passenger seat
- **ARU-BAS** Vinyl upholstered armrest
- **ARU-LEA** Leather upholstered armrest
- **GRABHI-B** Steel instep cab grab handle
- **FMAT-RUB** Rubber floor mats
- **FMAT-TX2** Textile and rubber floor mats
- **LBK-RES** Foldable rest bunk
- **LBK70** Lower bunk 700 x2000 mm, fixed
- **ULBK** Without lower bunk
- **MATL-FI** Firm lower bunk pocket sprung mattress
- **MATL-SF** Lower flexizone mattress - semi-firm, pocket springs up to 100kg - 16 stone
- **MATL-SO** Lower flexizone mattress - soft, pocket springs up to 85kg - 13.5 stone
- **OLMAT-BA** 35mm mattress overlay protector
- **OLMAT-PR** 50mm premium mattress overlay protector
- **TBK60F** Fixed foldable top bunk 600 x 1900mm
- **TBK70F** Fixed foldable top bunk 700 x 1900mm
- **PH-CAB2** 1.8kW Air to air night heater
- **PH-ENGCA** Engine and cab night heater
- **PH-SS** Short stop heater
- **SLCP-BAS** Basic sleeper control panel - includes interior light, parking heater, roof hatch and door lock
- **SAFE** Safe box for driver's personal items
- **ETSB-F** Storage on engine tunnel - on front top
- **ETSB-FR** Storage on engine tunnel - on front top and at rear cab wall
- **ETSB-FRS** Storage on engine tunnel - on front top & at rear cab wall & storage recessed into tunnel on right hand side
- **ETSB-FS** Storage on engine tunnel - on front top and storage recessed into tunnel on right hand side
- **ETSB-R** Storage on engine tunnel - box at rear cab wall
- **ETSB-RS** Storage on engine tunnel - at rear cab wall and storage recessed into tunnel on right hand side
- **ETSB-S** Storage on engine tunnel - recessed into tunnel on right hand side
- **RUS-BAS** Rear cab upper storage 154 litres - 300 mm high
- **RUS-HIG** Rear cab upper storage 245 litres - 440 mm high
- **TABLE** Folding and height adjustable table - on lower bunk
- **REF-ICPK** Fridge: engine tunnel mounted preparation kit
- **REFR-RUS** Fridge: 28 litre rear upper wall mounted with dividers
- **MICRO-PK** Preparation kit for microwave oven (wiring)
- **BOTH-D** One bottle holder under dashboard centre section
- **COFMA-PK** Coffee maker, preparation kit.
- **INLI-BAS** Interior white LED lights - basic
- **INLI-NL** Interior white and red night LED light with no dimmer
- **INLI-NLD** Interior white and red night LED light with dimmer
- **ARL-FLEX** Two flexible reading lamps (snake lamps)
- **RH-ECS** Glass roof & escape hatch - Electrically operated
- **RH-MSR** Steel roof & escape hatch - Manually operated with rear opening
- **URH** Without roof hatch
- **SWIND-BS** Extra side window on both sides behind "B" pillar
- **SWIND-PS** Rear side window, passenger side
- **VANMIR** Vanity mirror in front shelf
- **AS-FUS** Extra shelf in front upper storage compartments
- **INFOT-PK** Preparation kit for the mounting of a flat screen TV in cab above the driver's door, includes bracket, electrical and speaker connections

### CAB EXTERIOR

- **PAICS-B** Basic cab paint - mirrors, sunvisor, instep and bumper supplied in natural finish - grey
- **PAICS-C** Complete cab - mirrors, insteps, sunvisor, and bumper finished

■ Standard Equipment                      □ Optional Equipment

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# MODEL RANGE

## FM 13 10x4 Rigid - High Tag Tridem - N3 – contact sales engineering reference application

	in cab colour		
■ GLAS-TIN	Tinted windows.	■ CABPT-R2	Twin outlets for roof mounted accessories.
□ AWIND-RF	Rear window	□ SPOTP-F	Spotlamp preparation in front, max 280W
□ DGLAS-L	Laminated door glass	□ SPOTP-R	Spotlamp preparation on roof, max 280W
□ SPOTP-RF		□ SPOTP-RF	Spotlamp preparation on cab roof and in cab front, max 2x280W
■ LOCK-MAN	Manual door locking	□ ROS-IL2	Preparation kit for illuminated roof sign with switch loose in cab, fit after registration
□ LOCK-MRP	Manual door locking with internal remote control (from driver side) of passenger door	□ ROS-ILP	Roof sign illumination preparation kit
□ LOCK-REM	Central locking with remote control	□ CSGN-GTR	"Globetrotter" headboard logo
■ BUMP-B	Plastic front bumper	■ HORN-F1S	Single tone Jericho air horn chassis mounted
□ BUMP-B2	Steel front bumper	□ HORN-R2S	Two roof mounted air horns
□ BUMP-SP	Front bumper spoiler	□ ANT-CBR	Roof mounted antenna for CB radio, single aerial
□ GUARD-EH	Engine guard to protect sump and engine hoses	□ ACCBR-AP	Front, middle & rear roof mounted accessory brackets
■ BUGNET	Insect screen in front of radiator	□ ACCBR-F	Front roof mounted accessory bracket
□ CTILT-P-E	Electrically operated hydraulic cab tilt	□ ACCBR-FM	Front & middle roof mounted accessory brackets
■ CTILT-P-M	Manually operated hydraulic cab tilt	□ ACCBR-FR	Front & rear roof mounted accessory brackets
□ FCABS-A	Front cab suspension - Air	□ ACCBR-M	Middle roof mounted accessory bracket
■ FCABS-M	Front cab suspension - Mechanical spring	□ ACCBR-R	Rear roof mounted accessory bracket
□ RCABS-A	Rear cab suspension - Air	□ ACCBR-RM	Rear & middle roof mounted accessory brackets
■ RCABS-M	Rear cab suspension - Mechanical spring	□ REFS-TW	White cab conspicuity markings by packed in cab
□ MIRCOMF2	Electrically heated and operated FMX style main and wide-angle mirror on both sides, with manual passenger kerb mirror. To increase direct vision to the side the main mirrors have no cowlings	□ REFS-TY	Yellow cab conspicuity markings by packed in cab
□ MIRCOMFM	Electrically heated and operated main with manual wide-angle mirror - both sides - and passenger kerb mirror	<b>SUPERSTRUCTURE PREPARATIONS</b>	
□ MIRSTD2	Electrically heated - FMX - main with wide angle mirror on both sides and kerb view mirror on passenger side, to increase direct vision to the side the main mirrors have no cowlings	□ SRWL-PK	Wiring preparation for side & rear work/reverse lamps on side of chassis and a three-position switch, maximum 280W
■ MIRSTDFM	Electrically heated main mirror with wide angle mirror on both sides and kerb view mirror on passenger side	□ SWL-2FW	Two H3 70W white front chassis mounted (LH/RH side) working lamps and a 2-position switch (On/Off)
□ MIRSTDX	Electrically heated -FMX- main and wide-angle mirrors with manually adjusted passenger kerb mirror, to increase direct vision to the side the main mirrors have no cowlings	□ SWL-2RW	Two H3 70W white rear chassis mounted (LH/RH side) working lamps and a 2-position switch (On/Off)
■ AMIR-F20	Auxiliary front view mirror with a 200mm radius	□ SWL-4W	4 H3 70W white front (2) & rear (2) chassis mtd (LH/RH side) working lamps & 2-pos switch (On/Off)
□ SUNV-H	External smoke grey sunvisor	□ SWL-PK	Wiring preparation for side work/reverse lamps on side of chassis and a three-position switch, maximum 280W
□ AD-ROOF	Roof air deflector	□ WLC-H2A	Two H3/70W working lamps with amber coloured lens high mounted back of cab
□ AD-SIDEL	Side air deflector extension panels	□ WLC-H2W	Two H3/70W white working lamps high mounted on the back of cab
□ AD-SIDES	Short cab side air deflector for rigid bodywork	□ WLC-PKCH	Preparation kit (cables and switch) for cab mounted chassis working lamp
■ HL-BASIC	Halogen H7 head lamps	□ WLC-PKH	Preparation kit, cables and switch for high mounted working lamps back of cab
□ HL-BHID	High intensity Bi-Xenon head lamps	□ WLC-PKL	Preparation kit, cables and switch for low mounted working lamps back of cab
□ HL-DBL	Bi-Xenon high intensity discharge and dynamic head lamps. Dipped beam follows the road, activated by a signal from the steering system.	□ WLC-PKLH	Preparation kit - cables and switch for low and high mounted working lamps back of cab.
□ HL-CLEAN	Head lamp cleaner - washer jets	□ ECBB-BAS	Body builder electrical centre without body builder module
□ HLP-ST	Headlamp protection	■ ECBB-HIG	Body builder electrical centre with body builder module
□ HL-ADJ	Headlight adjustment - Switch in cab	□ BBCHAS1	One 7-pole connector for Body builder interface
□ DRIVL2	Two spot lamps	□ BBCHAS3	Three 7-pole connectors for Body builder interface
■ UDRIVL	Without auxiliary driving lights	□ BEPR-T2	Body builder electrical software preparation for tipper with remote control
□ FOGL-WC	Front fog lights	□ EXSTER	External steering control, with VDS and bodybuilder module
□ CL-STAT	Static corner lights	□ TD-BAS	Trailer detection WITHOUT LED sensing
□ ASL-RF2	Two Hella H11 70W spotlamps in sign box - only available with the basic headlight and no lower driving lights.	■ TD-LED	Trailer detection with LED sensing
□ ASL-RFPK	Preparation kit for two spotlamps in sign box	□ FRFS-BS	Frame rail free space on both sides to give space for crane legs or other equipment.
□ BEACOA2F	Two front roof mounted amber beacon rotating warning lamps	□ FBA-BTF	Lower front body attachments for torsionally flexible - platform body
□ BEACOA2R	Two rear roof mounted (on accessory bracket) amber beacon flashing warning LED lamps	□ FBA-BTSF	Lower front body attachments for torsionally semi-flexible body - box or curtainsider
□ BEACON-P	Roof beacon wire preparation	□ HBA-FSFB	Holes for body attachments - flexible/semi-flexible body
□ BEACONA4	Four roof mounted (2 front/2 rear) amber beacon rotating warning lamps	□ HBA-SB	Holes for body attachments - stiff body
□ CABPT-R1	Single outlet for roof mounted accessories	□ RBA-T2	Lower rear body attachments for helper frame
		□ CRANEPK1	Crane plates mounted to frame, for cranes up to 10 tonne
■ Standard Equipment			
	□ Optional Equipment		

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- **CRANEPK2** metre capacity  
Crane plates mounted to frame, for cranes up to 20 tonne
- **CRANEPK4** metre capacity  
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** GSM/GPRS/4G modem, LTE & WLAN for telematics gateway
- **FMS-PK** Fleet Management System gateway

**VOLVO**

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