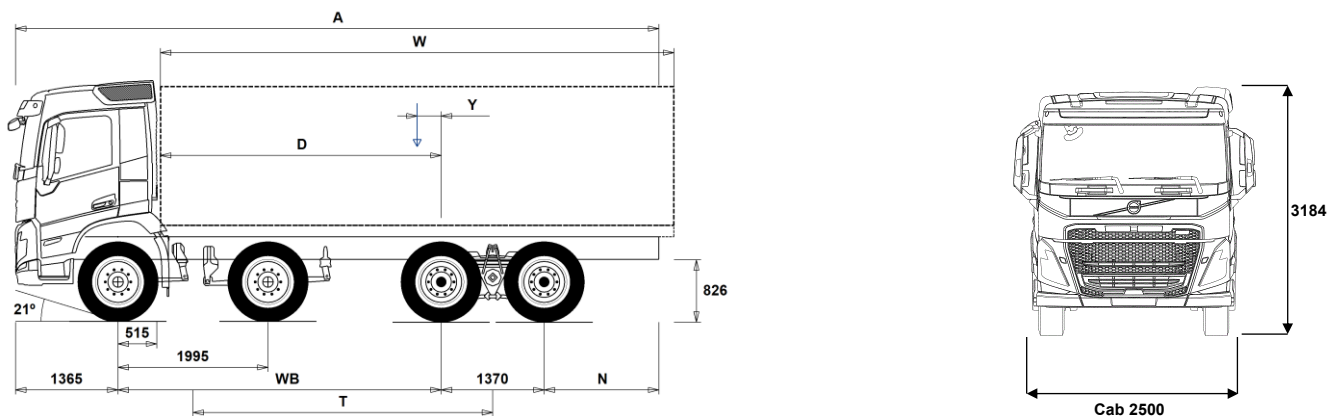


MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L



Chassis Dimensions [mm]

WB Wheelbase	4300	4350	4600	4900	5100	5600	6400
A Overall Chassis Length	9410	9510	9860	10310	10660	11410	11610
D Center of rear axle to front of body	3735	3785	4035	4335	4535	5035	5835
N Rear Overhang (Min.)	825	825	825	825	715	715	1225
N Rear Overhang (Max.)	2375	2425	2525	2675	2825	3075	2475
T Theoretical Wheelbase	3988	4038	4288	4588	4788	5288	6088
Y Center of Gravity for Payload (Min.)	507	524	604	702	767	930	1257
Y Center of Gravity for Payload (Max.)	507	524	604	702	767	930	1257
W Body Length (Min.)	6454	6521	6861	7264	7534	8209	9156
W Body Length (Max.)	6454	6521	6861	7264	7534	8209	9156

Chassis Weights [kg]

Front Axles	6615	6610	6605	6580	6575	6550	6215
Rear Bogie	3040	3055	3130	3195	3250	3345	3520
Kerb Weight	9655	9665	9735	9775	9825	9895	9735
Payload (including body, driver, fuel, etc.)	21345	21335	21265	21225	21175	21105	21265

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	18100	18200	19000	20000	20600	22200	24800
Turning Circle Diameter Wall to Wall	19400	19600	20400	21400	22000	23600	26200

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	31000	42000
Gross Combination Weight	35000	44000
Front Axles	13000	16000
Rear Bogie	18000	26000

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.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres: 315/80R22.5
 Drive Axle Tyres: 315/80R22.5

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

Turning diameters are theoretically calculated.

Legal weights can differ from country to country.

For more detailed weight information, including optional equipment weights, ask your Volvo sales contact to enter your specification into the Volvo Weight Information system (WIS).

Do NOT use this drawing for bodybuilding. Refer to Volvo Bodybuilder Instructions and chassis assembly drawing FM84RF3L.

MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

Transport operation

- **RC-ROUGH** Rough road conditions: frequent driving on poorly maintained surfaced roads, hard-packed sand or gravel, or other surfaces of good or bad quality.
- **RC-VROUG** Very rough road conditions: more than 5% of the driven distance is on extremely poor roads or off-road.
- **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **RADD-BR** Rear leaf suspension - two axles, both driving (B-ride)
- **RADD-TR1** Rear leaf suspension - two axles, both driving (max. technical bogie load 26 tonnes)
- **RADD-TR2** Rear leaf suspension - two axles, both driving (max. technical bogie load 32 tonnes)
- **RADD-TR3** Rear leaf suspension - two axles, both driving (max. technical bogie load 38 tonnes)
- **FM-DAY6** FM day cab
- **FM-HSLP6** FM Globetrotter, high sleeper cab
- **FM-LDAY6** FM low day cab
- **FM-LSLP6** FM low sleeper cab
- **FM-SLP6** FM sleeper cab
- **EU3** Euro 3 emission level
- **EU4SCR** Euro 4 with Selective Catalytic Reduction (SCR)
- **EU5SCR-M** Euro 5 with Selective Catalytic Reduction (SCR)
- **EU6SCR** Euro 6 with SCR, particulate filter and EGR, Turbo-S
- **D13S420A** Diesel engine, Euro 6, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13S460A** Diesel engine, Euro 6, 12.8 litres, 460 hp/338 kW, 2300 Nm
- **D13S500A** Diesel engine, Euro 6, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13A380** Diesel engine, Euro 4, 12.8 litres, 380 hp/280 kW, 1900 Nm
- **D13A400** Diesel engine, Euro 3, 12.8 litres, 400 hp/294 kW, 2000 Nm
- **D13A420** Diesel engine, Euro 4, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13A440** Diesel engine, Euro 3, 12.8 litres, 440 hp/324 kW, 2200 Nm
- **D13A460** Diesel engine, Euro 4, 12.8 litres, 460 hp/338 kW, 2300 Nm
- **D13A480** Diesel engine, Euro 3, 12.8 litres, 480 hp/353 kW, 2400 Nm
- **D13A500** Diesel engine, Euro 4, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13C380** Diesel engine, Euro 5, 12.8 litres, 380 hp/280 kW, 1900 Nm
- **D13C420** Diesel engine, Euro 5, 12.8 litres, 420 hp/309 kW, 2100 Nm
- **D13C460** Diesel engine, Euro 5, 12.8 litres, 460 hp/338 kW, 2300 Nm
- **D13C500** Diesel engine, Euro 5, 12.8 litres, 500 hp/368 kW, 2500 Nm
- **D13K420** Diesel engine, Euro 6, 12.8 litres, 420 hp/309 kW
- **D13K460** Diesel engine, Euro 6, 12.8 litres, 460 hp/338 kW
- **D13K500** Diesel engine, Euro 6, 12.8 litres, 500 hp/368 kW
- **EBR-EPG** Engine brake with exhaust pressure governor
- **EBR-EPGC** Exhaust pressure governor with Volvo compression brake
- **EBR-VEB** Volvo Engine Brake, VEB (compression brake with exhaust pressure governor, EPG)
- **EBR-VEB+** Volvo Engine Brake, VEB+ (high efficiency compression brake with exhaust pressure governor, EPG)
- **AT2412** I-Shift automated 12-speed gearbox, 2400 Nm
- **AT2612** I-Shift automated 12-speed gearbox, 2600 Nm
- **AT2812** I-Shift automated 12-speed gearbox, 2800 Nm
- **ATO2612** I-Shift automated 12-speed gearbox with overdrive, 2600 Nm
- **ATO3112** I-Shift automated 12-speed gearbox with overdrive, 3100 Nm
- **PT2606** Powertronic 6-speed powershift gearbox, 2600 Nm
- **ASO-C** One crawler gear
- **ASO-ULC** Two crawler gears, one crawler and one ultra-low crawler
- **RTH2610B** Rear hub reduction tandem axle - bogie load 26 tonnes, GCW 100 tonnes, 4 planet gears
- **RTH2610F** Rear hub reduction tandem axle - bogie load 26 tonnes, GCW 100 tonnes, version F
- **RTH3210F** Rear hub reduction tandem axle - bogie load 32 tonnes, GCW 100 tonnes, version F
- **RTH3212F** Rear hub reduction tandem axle - bogie load 32 tonnes, GCW 120 tonnes, version F
- **RTH3312** Rear hub reduction tandem axle - bogie load 33 tonnes, GCW 120 tonnes
- **RTH3815** Rear hub reduction tandem axle - bogie load 38 tonnes, GCW 150 tonnes

- **RTS2310A** Rear single reduction tandem axles - bogie load 23 tonnes, GCW 100 tonnes
- **RTS2370A** Rear single reduction tandem axle - bogie load 23 tonnes, GCW 70 tonnes

Packages

- **FP-D13** Fuel economy package for Euro 6 D13 engine
- **INFOBASE** Information package, basic (without side display)
- **INFOHIGH** Information package, high (with side display)
- **SAFEBAS** Active Safety Basic package (outside Europe)
- **SAFEBAS2** Active Safety Basic package (outside Europe)
- **SAFEPLU2** Active Safety Plus package (outside Europe)
- **SAFEPLUS** Active Safety Plus package (outside Europe)

Chassis

- **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **FST-PAR3** Three-leaf front parabolic springs (stiffer than normal)
- **FST-PAR5** Four-leaf front parabolic springs (extra stiff)
- **FAL16.0** Front axle load 16.0 tonnes, double front axles
- **FAL18.0** Front axle load 18.0 tonnes, double front axles
- **FAL20.0** Front axle load 20.0 tonnes, double front axles
- **FSTAB** Front anti-roll bar, normal stiffness
- **FSTAB2** Front anti-roll bar, high stiffness
- **FSTAB3** Front anti-roll bar, extra-high stiffness
- **RAL21** Rear axles load 21 tonnes
- **RAL23** Rear axles load 23 tonnes
- **RAL26** Rear axles load 26 tonnes
- **RAL32** Rear axles load 32 tonnes
- **RAL38** Rear axles load 38 tonnes
- **RSTAB1** Rear anti-roll bar, normal stiffness
- **RSAP2** Heavy duty rear suspension application (with reinforcements)
- **ACTST-TO** Volvo Dynamic Steering
- **ASFE-BAS** Volvo Dynamic Steering, basic
- **ASFE-PS** Volvo Dynamic Steering with Personal Settings
- **PSS-DUAL** Dual power steering system
- **PSS-SING** Single power steering system
- **PSP-VAR** Power steering pump with variable displacement
- **PSP-VAR2** Power steering pump with variable displacement (extra valve)
- **EBS-MED** EBS (Electronic Braking System), Medium package
- **EBS-STD** EBS (Electronic Braking System), Standard package
- **AUXPARK** Extra parking brake on one axle
- **RST-MUL** Rear multi-leaf springs
- **RST-PAR1** Rear parabolic leaf springs
- **RST-PAR5** Rear parabolic leaf springs
- **FST8080** Frame thickness - web 8.0 mm / flange 8.0 mm
- **FIL-EEEB** Frame inner liner from end of engine to end of bogie
- **FIL-EEEF** Frame inner liner from end of engine to end of frame
- **FIL-FBEB** Frame inner liner from front of bogie to end of bogie
- **FIL-FBEF** Frame inner liner from front of bogie to end of frame
- **FIL-TXEB** Frame inner liner from transmission cross member to end of bogie
- **FIL-TXEF** Frame inner liner from transmission cross member to end of frame
- **BBOX-L** Battery box on left-hand side
- **2BAT210C** AGM batteries, 2x210 Ah
- **2BATT170** Batteries, 2x170 Ah
- **2BATT225** Batteries, 2x225 Ah
- **BATTAMP** Battery voltmeter and ammeter
- **BATTIND** Battery voltmeter, ammeter and battery status gauge with visual alerts
- **ADR1** ADR adaptation, 1 switch in dashboard
- **ADR2** ADR adaptation, 1 switch in dashboard, 1 outside on back of cab

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

□ MSWI-A ■ MSWI-C □ MSWI-R ■ R405A71 ■ UL-FUEL ■ ADTP-L □ ADTP-LF □ ADTP-R □ ADB032 □ ADB048 ■ ADB064 ■ FCAP-L ■ FUFF-AS ■ FUFF-ATS □ ESH-LEFT ■ ESH-REAR □ ESH-RIGH □ ESH-VERT □ ESV-VERT □ EXST-SSP □ EXST-ST □ WHC-FIX2 ■ WHC-FOL2 □ WHCP-F □ WHCP-R ■ WHCP-T □ TB-L80 □ TB-R80 □ SUP-BAS □ CHAIN-S □ HOOK-SC ■ TOWF-NO1 □ TOWF-NO2 □ TOWMBRH □ TOWMBRL1 □ TOWMBRM ■ RFEC-S □ RFEC-U □ C-RI4040 □ C-RI4045 □ C-RI5050 □ C-RO400G □ C-RO50 □ C-VBG520 □ C-VBG795 □ TOWR-ONE □ TREL-PK	- ADR main switch - Main switch on chassis - Key remote controlled main switch - Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l - Without left side fuel tank Min volume 160l Max volume 450l - AdBlue tank on left hand side - AdBlue tank on left hand side at the front - AdBlue tank on right hand side - AdBlue tank: usable volume 32 litres, mounted between front axles - AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side - AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side - Lockable diesel and AdBlue filler caps - Fuel filling anti-spillage device - Fuel filling anti-theft and anti-spillage device - Horizontal silencer, left exhaust outlet - Horizontal silencer, rear exhaust outlet - Horizontal silencer, right exhaust outlet - Horizontal silencer, vertical exhaust outlet on right-hand side - Vertical silencer, vertical exhaust outlet on right-hand side - Vertical exhaust top pipe, bright polished stainless steel - Vertical exhaust top pipe, aluminised steel - Two non-collapsible wheel chocks - Two collapsible wheel chocks - Wheel chock holder in the front part of the vehicle - Wheel chock holder in the rear part of the vehicle - Wheel chock holder by-packed in cab outer luggage compartment - Tool box on left-hand side, 205-litre - length 730 mm, height 590, depth 595 mm - Right tool box, length 800 mm - Standard side underrun protection, aluminium - Snow chains - Snow chain hooks - One front towing device - Two front towing devices - Towing member, high-mounted in centre of frame - Towing member, low-mounted under frame - Towing member, medium-mounted in line with lower frame flange - Straight-cut rear frame end - Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications) - Coupling Ringfeder 4040A G-150 - Coupling Ringfeder 4045A G-150 - Coupling Ringfeder 5050A G-150 - Coupling Rockinger 400 G-150 - Coupling Rockinger 50 mm - Coupling VBG 5200D - Coupling VBG 795V - Brace that can be used for towing in specific situations. The brace is mounted on the end cross member, and if the end cross member is thinner than 8 mm, it will be reinforced. The brace includes a lockable pin and is dimensioned for a 3-tonne centre-axle trailer or a 10-tonne articulated drawbar trailer. It may only be used for short-distance, on-site transport in confined areas and at speeds of a maximum of 30 km/h. - Trailer electrical preparation kit (chassis/cab wiring)	□ TREL14 □ TREL15 □ TREL7 □ TREL7-7 □ TBC-EC □ TRBR-HCF □ TRBR-HCR □ TRBR-STA □ TRB-STRE □ FFEND-B □ FFEND-T □ RFEND-B □ RFEND-T □ RFH-BAS □ RFH-HIG □ RFH-LOW □ ATANK-AL ■ ATANK-ST □ TL-LED ■ BLIGHT-E 14-pin trailer connection 15-pin trailer connection (ADR certified) 7-pin trailer connection (ISO 24N) 2x7-pin trailer connection (ISO 24N+24S, non-ADR) - Trailer brake connection, European Community - Full-pressure, hand-controlled trailer brake check (8 bar) - Reduced-pressure, hand-controlled trailer brake check (4 bar) - Stationary trailer brake check - Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability - Mudguards on second front axle - Transport-mounted mudguards on second front axle - Rear 3-piece mudguards (anti-spray) on all rear axles - Transport mudguard - Basic mudguard installation height on 2nd front axle and rear axles - High mudguard installation height on 2nd front axle and rear axles - Low mudguard installation height on 2nd front axle and rear axles - Aluminium air tanks - Steel air tanks - LED tail lamps (tail light, exterior marker light, brake light, hazard warning light, reverse light, rear fog light, licence plate light and reflector) - Flashing brake lights will automatically activate in emergency braking. The flashing frequency is 4 Hz and emergency braking is detected if speed exceeds 50 km/h and retardation is 4 m/s² or more. The function deactivates when retardation is less than 2.5 m/s².
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Rims and tyres

□ RT-AL □ RT-AL1 □ RT-AL1DU □ RT-ALDP □ RT-ALDPD □ RT-ALDU ■ RT-STEEL □ WCAP □ SPWT-D ■ SPWT-F □ SWCP-LF □ SWCP-T ■ SWCP-TP □ JACK-12T □ JACK-15T ■ JACK-20T	- Brushed aluminium rims with standard holes (long stud fixing) on all axles - LvL ONE® smooth and glossy aluminium rims with standard holes (long stud fixing) on all axles - LvL ONE® smooth and glossy aluminium rims with countersunk holes (short stud fixing) on all axles - Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles - Dura-Bright® polished aluminium rims with countersunk holes (short stud fixing) on all axles - Brushed aluminium rims with countersunk holes (short stud fixing) on all axles - Steel rims on all axles - Wheel caps - Spare driving wheel - Spare front wheel - Spare wheel carrier on left side in front of rear axle - Spare wheel transport-mounted on top of frame - Spare wheel and carrier transport-mounted on top of frame - Hydraulic jack, 12 tonnes. Low manual pumping force facilitates use in uncomfortable positions. Has a release valve, which permits safe, easy and precise control over rate of lowering and a filter in the oil reservoir gives protection from contamination. Height 180-315 mm, weight 7.0 kg - Hydraulic jack, 15 tonnes. Low manual pumping force facilitates use in uncomfortable positions. Has a release valve, which permits safe, easy and precise control over rate of lowering and a filter in the oil reservoir gives protection from contamination. Height 225-438 mm, weight 9.4 kg - Hydraulic jack, 20 tonnes. Low manual pumping force facilitates use in uncomfortable positions. Has a release valve, which permits safe, easy and precise control over rate of lowering and a filter in the oil reservoir gives protection from contamination.
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■ Standard Equipment

□ Optional Equipment

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

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MODEL RANGE

FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

■ TOOLKIT	For FM: Height 190-325 mm, weight 10.5 kg For FH: height 240-467 mm, weight 13.3. kg	■ FUEFE2LW	Large engine-mounted dual fuel filter with water separator and drain
	This kit consists of a tool bag (case) including the following tools: • Combination screwdriver. – 1 screwdriver handle – 1 blade, Philips/flat blade – 1 blade, Torx T10/Torx T20 – 1 blade, Torx T25/Torx T27 – 1 blade, Torx T30/Torx T40 • Socket wrench. • Adjustable pliers. • Allen key. • Adjustable spanner. • Hammer.	□ FUEFE2SW	Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	■ EST-AID	Engine intake air heater
□ GAUGE-TP	Tyre pressure gauge	□ 220EBH15	Engine block heater, 220 V, 1.5 kW
Powertrain equipment			
□ TRAP-HD	Reinforced gearbox range housing	□ PTER-100	Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646
■ DRM-BE	I-Shift drive modes Economy, Standard and Performance	□ PTER-DIN	Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653
□ DRM-E	I-Shift drive mode Economy	□ PTER1400	Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647
■ PVT-MTM	I-See	□ HPE-F101	Engine-mounted hydraulic pump F1-101, fixed displacement, single flow
■ CRUIS-E	I-Cruise cruise control, I-Roll included	□ HPE-F41	Engine-mounted hydraulic pump F1-41, fixed displacement, single flow
□ CRUIS-E5	I-Torque cruise control, optimized for fuel economy, I-Roll included	□ HPE-F51	Engine-mounted hydraulic pump F1-51, fixed displacement, single flow
□ AMSO-AUT	I-Shift manual gear shifting available in automatic mode, including kick-down function	□ HPE-F61	Engine-mounted hydraulic pump F1-61, fixed displacement, single flow
□ AVO-ENH	I-Shift with enhanced software for construction and off-road applications	□ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow
□ APF-ENH	I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection)	□ HPE-T53	Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow
□ RET-TH	Gearbox-mounted, hydrodynamic oil retarder	□ HPE-T70	Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow
□ RET-TP	Gearbox-mounted Powertronic primary retarder	□ HPE-V45	Engine-mounted hydraulic pump VP1-45, variable displacement, single flow
□ TC-HWO	Cooler for hydraulic gearboxes - water/oil	□ HPE-V75	Engine-mounted hydraulic pump VP1-75, variable displacement, single flow
□ TC-MAOH2	Extra high performance cooler for manual/I-shift gearboxes - air/oil	□ PTPT-D	Gearbox PTO, 1 front/upper connection DIN 5462/ISO 7653 for plug-in pump, 850 Nm
■ TC-MWO	Basic performance cooler for manual/I-Shift gearboxes - water/oil	□ PTPT-F	Gearbox PTO, 1 front/upper rear flange connection SAE 1410/ISO 7647 for propshaft, 850 Nm
□ TC-MWOH2	High performance cooler for manual/I-Shift gearboxes - water/oil	□ PTR-D	Gearbox low-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 1000 Nm
□ 2COM1080	Dual-cylinder air compressor 704 cc, 1080 l/min	□ PTR-DH	Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm
□ 2COM1100	Dual-cylinder air compressor 760 cc, 1100 l/min	□ PTR-DM	Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm
□ 2COMP870	Dual-cylinder, two-stage air compressor 560 cc, 870 l/min	□ PTR-F	Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm
■ 2COMP900	Dual-cylinder air compressor 636 cc, 900 l/min	□ PTRD-D	Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm
□ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel	□ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm
■ AIRIN-HI	High air inlet	□ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow
□ AIRIN-LO	Low air inlet	□ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow
□ ACL1ST-S	Air cleaner with extra filter element	□ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow
■ 24A110BL	Alternator 110 Ampere	□ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow
□ 24A150BL	Alternator 150 Ampere	□ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow
□ 24A180BL	Alternator 180 Ampere	Cab Interior, Driving	
□ 24AL110B	Alternator 110 Ampere	■ STWPOS-L	Left-hand drive
□ 24AL150B	Alternator 150 Ampere	□ STWPOS-R	Right-hand drive
□ CCV-C	Closed crankcase ventilation	□ STWM-LE	Steering wheel material leather
□ CCV-O	Open crankcase ventilation	□ STGW-AD2	Manually adjustable steering wheel with neck tilt
■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge	■ STGW-ADJ	Manually adjustable steering wheel
□ FUEQ-EH	Fuel line electric heater	□ AIRBAG	Airbag on driver's side
□ AF-E	Electrically heated fuel filter	■ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual
■ AF-R	Hot fuel recirculation heated fuel filter	□ 1DAYB	One-day analogue tachograph, basic
		■ TAC-PK2	Preparation kit for tachograph
		□ ARSL	Additional road speed limiter control (switch in dashboard)

■ Standard Equipment

□ Optional Equipment

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■ ACCLF-D	Volvo torque assist - Disabled	□ DST-CF5	Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
□ ACCLF-E	Volvo torque assist - Enabled	□ DST-CF6	Driver's seat Comfort, belt in seat, heated, ventilated
□ ESP-BAS1	ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity	□ DST-LUX1	Driver's seat Deluxe, belt in seat, heated, ventilated
□ ESPC-RO	Electronic stability program functionality control, switch - On/Reduced/Off	□ SBD-RED	Red safety belts, passenger and driver seats
□ HWSS-ACB	Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.	□ SBPRE-DS	Driver's seat belt pretensioner
□ HWSS-FCB	Collision Warning with Emergency Brake (forward)	□ PST-BAS1	Passenger seat Basic, non-suspended
□ LSS-DW	Lane Keeping Support - lane departure warning	■ PST-CF4	Passenger seat Comfort, suspended, belt in seat
□ LSS-DW3	Pilot Assist - active, continuous lane keeping	□ PST-CF5	Passenger seat Comfort, suspended, belt in seat, electrically heated
□ LCS2	Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side	□ PST-STD2	Passenger seat Regular, non-suspended
□ LCS3	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side	□ PST-STD4	Passenger seat Regular, suspended
□ LCS5	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, both sides	□ SBPRE-PS	Passenger seat belt pretensioner
□ DAS-W	Driver Alert Support	□ ARMRE-BB	Two armrests on both driver's and passenger seats
□ RSENS-W	Wipers rain sensor	□ ARMRE-DB	Two armrests on driver's seat
□ CU-ECC	Automatic climate control with sun sensor	□ ARMRE-PB	Two armrests on passenger seat
□ CU-ECC2	Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter	□ ARU-BAS	Vinyl armrest upholstery
■ CU-MCC	Manual climate control (heater/cooler function)	□ ARU-LEA	Leather armrest upholstery
■ IGT-BUT	Push-button ignition	■ FMAT-RUB	Black rubber floor mats
□ IMMOBIL	Immobiliser	□ FMAT-TX2	Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
□ ALARM-E	Anti-theft alarm for cab, superstructure and trailer	□ LBK70	Lower fixed bed 2000x700 mm, non-foldable, safety net included
□ PHONE-PK		□ MATL-FI	Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
□ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred	□ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
■ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred	□ OLMAT-BA	Overlay mattress, 28 mm thick black textile
□ ISUNF-B		□ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile
□ ISUNF-MD		□ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
□ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred	□ TBK70F	Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
■ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred	□ PH-CAB2	Cab parking heater, 2 kW
□ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)	□ PH-ENGCA	Engine and cab parking heater
■ BUPALARM	Reversing warning	□ PH-SS	Short stop cab heater
□ REMC-MF	Wireless remote control, multi-functional	□ SLCP-BAS	Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)
■ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal	□ ETSB-F	Storage at front of engine tunnel
■ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2	□ ETSB-FR	Storage at back of engine tunnel and at back, against rear cab wall
■ WARNTRI2	Two warning triangles	□ ETSB-FRS	Storage at front of engine tunnel and immersed in RH side of tunnel
□ AIDKIT	First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.	□ ETSB-FS	Storage at back of engine tunnel, at back against rear cab wall and immersed in RH side of tunnel
□ AIDKIT1B	First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)	□ ETSB-R	Storage at back of engine tunnel, against rear cab wall
□ WARNLAMP	Portable amber and white warning lamp with batteries	□ ETSB-RS	Storage immersed in RH side of engine tunnel and at back against rear cab wall
□ LAMP-IN	Inspection lamp with 10 m cable	□ ETSB-S	Storage immersed in RH side of engine tunnel
□ BULBKIT	Bulb and fuse kit	□ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)
□ WRITEPAD	Writing pad with paper clamp	□ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)
Cab Interior, Living		□ REF-ICPK	Preparation kit for refrigerator
□ DST-CF1	Driver's seat Comfort	□ REFR-RUS	Refrigerator 28-litre, with dividers, on rear upper wall
■ DST-CF4	Driver's seat Comfort, belt in seat	□ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)
		■ BOTH-D	One bottle holder under dashboard centre section
		□ COFMA-PK	Preparation kit (24 V) for coffee maker
		■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming
		□ INLI-NL	Interior white and red (night) light with smooth light transition at on/off
		□ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer

■ Standard Equipment

□ Optional Equipment

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FM D13 84 Rigid Dual Front Axles Diesel Rear Leaf FM 84RF 3L

☐ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	☒ FOGL-WC	White front fog lamps
☒ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	☐ CL-STAT	Static cornering lights
☐ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	☐ ASL-RF2	Two LED spot lamps in sign box
☐ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	☐ IDLAMP-A	Three amber identification lamps on mid front roof
☐ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	☐ IDLAMP-W	Three white identification lamps on mid front roof
☒ GLAS-TIN	Tinted windows	☐ IDLMPSW	Switch in cab for identification lamps
☐ GLAS-UNT	Untinted windows	☐ BEACOA2F	Two amber LED beacons on cab front roof
☐ SWIND-BS	Rear side window on both sides	☐ BEACOA2R	Two amber LED beacons on cab rear roof
☐ SWIND-PS	Rear side window on passenger side	☐ BEACON-P	Preparation kit for roof beacons
☐ AWIND-RF	Fixed window in back of cab (without curtains)	☐ BEACONA4	Four amber LED beacons on roof - two on front, two on rear
☐ VANMIR	Vanity mirror in front shelf lid	☐ CABPT-R1	One front cab roof pass-through on passenger side
☐ AS-FUS	One extra shelf in each of the two front upper storage compartments	☐ CABPT-R2	Two front cab roof pass-throughs, one on each side
☐ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	☐ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
		☐ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
		☐ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
		☐ ROS-IL	Roof sign illumination
		☐ ROS-IL2	Preparation kit for installation of roof sign illumination
		☐ ROS-ILP	Wiring kit for roof sign illumination
		☐ CSGN-GTR	Globetrotter decal in the roof sign box
Cab exterior		☒ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
☐ EXTL-BA2	Exterior trim level basic 2	☐ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
☒ EXTL-BAS	Exterior trim level basic	☐ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
☒ DGLAS-H	Tempered door window glass	☐ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
☐ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.	☐ ACCBP-F	Accessory bracket mounted on front roof
☐ BUMP-B	Plastic front bumper	☐ ACCBP-FM	Accessory brackets mounted on front roof and midroof
☒ BUMP-B2	Steel front bumper	☐ ACCBP-FR	Accessory brackets mounted on front and rear roof
☐ BUMP-SP	Front bumper spoiler	☐ ACCBP-M	Accessory bracket mounted on midroof
☐ GUARD-EH	Guard plate for cooling pipes and oil sump	☐ ACCBP-R	Accessory brackets mounted on mid-roof and rear roof
☒ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	☐ ACCBP-RM	Accessory bracket mounted on rear roof
☒ CTILT-P-E	Electric cab tilt pump		
☐ FCABS-A	Air front cab suspension	Superstructure preparations	
☒ FCABS-M	Mechanical front cab suspension	☐ SRWL-2RW	2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)
☐ RCABS-A	Air rear cab suspension	☐ SRWL-PK	Preparation kit for LED reverse/work lamps at rear chassis, 3-pos switch (On/Off/Reverse auto On)
☒ RCABS-M	Mechanical rear cab suspension	☐ SWL-2FW	2 white LED work lamps at front of chassis, and a 2-position switch (On/Off)
☐ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	☐ SWL-2RW	2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)
☐ MIRCMCP	Camera Monitor System and passenger corner camera	☐ SWL-4W	4 white LED work lamps on chassis (2 front, 2 rear) and a flexible switch (On/Off)
☐ MIRCMS	Camera Monitor System	☐ SWL-PK	Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
☒ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	☐ WL-CHPK	Preparation kit for work lamp (switch with cable to frame, by gearbox)
☒ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)	☐ WLC-H2A	
☒ SUNV-H	Exterior front sun visor, transparent dark-grey	☐ WLC-H2W	2 white LED work lamps, high-mounted on back of cab (switch included)
☐ AD-ROOF	Roof air deflector	☐ WLC-PKCH	Preparation kit (cables and switch) for work lamp inside or outside superstructure
☐ AD-SIDES	Cab side air deflectors, short	☐ WLC-PKH	Preparation kit (cables and switch) for high-mounted work lamps on back of cab
☒ HL-BASIC	Halogen H7 headlamps	☐ WLC-PKL	Preparation kit (cables and switch) for low-mounted work lamps on back of cab
☐ HL-LED	LED headlamps	☐ WLC-PKLH	Preparation kit (cables and switch) for low- and high-mounted work lamps on back of cab
☐ HL-LED3	LED headlamps with adaptive high beam	☐ ECBB-BAS	Body builder electrical centre, prepared for body builder module
☐ HBDA-A	Automatic main beam deactivation and reactivation	☐ ECBB-HIG	Body builder electrical centre, body builder module with 14 high and 4 low digital outlets
☐ HL-CLEAN	High-pressure headlamp cleaner	☒ ECBB-MED	Body builder electrical centre, body builder module with 7 high and 4 low digital outlets
☐ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)	☐ BBCHAS1	One 7-pole bodywork connector on chassis
☐ HL-ADJ	Manually adjustable headlamp beam		
☒ DRL-LED	Daytime running lamps (LED)		
☐ UDRL	Without daytime running lamps		
☐ DRIVL2	Extra main beam		
☒ UDRIVL	Without extra main beam		

☒ Standard Equipment

☐ Optional Equipment

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- **BBCHAS3** Three 7-pole bodywork connectors on chassis
- **BEPR-T2** Bodywork electrical and software preparation for tipper with remote control
- **EXSTER** Support for external steering control via body builder module
- **TD-LED** TD-LED detects trailers that have either bulb lights or LED lights. Continuous monitoring of the trailer connection status allows optimization of gear shifting and systems like Electronic Stability Program (ESP). Full diagnostics are available for bulb lights, while for LED lights the system cannot identify an "open circuit".
- **FRFS-BS** Frame rail free space on both sides to give space for crane legs or other equipment
- **FBA-BTF** Front body attachment brackets, lower, for flexible body
- **FBA-BTSF** Front body attachment brackets, lower, for semi-flexible body
- **HBA-FSFB** Holes for body attachments, flexible/semi-flexible body
- **HBA-SB** Holes for body attachments, stiff body
- **RBA-T2** Rear body attachment brackets, lower
- **CRANEPK1** Frame-mounted crane interface plates, up to 10 tonne-metres
- **CRANEPK2** Frame-mounted crane interface plates, up to 20 tonne-metres
- **CRANEPK4** Frame-mounted crane interface plates, up to 40 tonne-metres
- **AUXL-SPK** Preparation kit (wiring and a switch in dashboard) for snow plough lamps
- **TAILPRE2** Tail lift preparation kit, wireless remote operation
- **TAILPREP** Tail lift preparation kit
- **AESW2** 2 bistable bodywork switches (marked AUX1/AUX2)
- **AESW2PK** 2 bistable bodywork switches (marked AUX1/AUX2) + prepared for 4 bistable switches (dummy switches)
- **AUXSW-4** Hardwiring for 4 extra switches (from body builder electrical centre to instrument panel)

Services

- **TGW-4GWL** Telematics gateway with 4G modem and WLAN
- **TGW-PK** Telematics gateway preparation kit
- **FMS-PK** Fleet management system gateway, preparation kit
- **TSRS2** Road sign recognition (not ISA compliant)