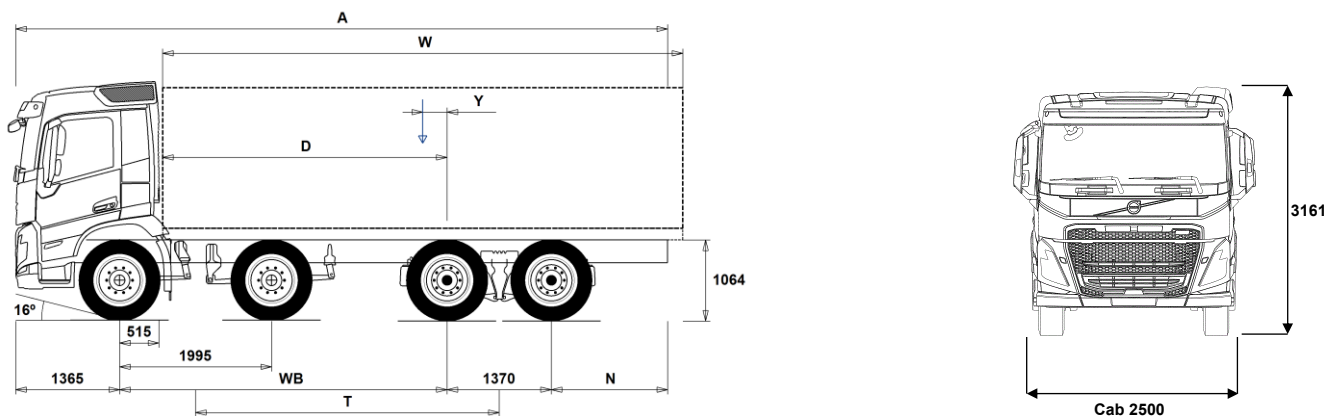


MODEL RANGE

FM D13 84 Rigid DualFront Axles Diesel Rear Air FM 84RF 3A



Chassis Dimensions [mm]

WB Wheelbase	4300	4350	4600	4900	5100	5600	6000	6400
A Overall Chassis Length	9410	9510	9860	10310	10660	11410	12060	11610
D Center of rear axle to front of body	3735	3785	4035	4335	4535	5035	5435	5835
N Rear Overhang (Min.)	825	825	825	825	825	1225	1225	1225
N Rear Overhang (Max.)	2375	2425	2525	2675	2825	3075	3325	2475
T Theoretical Wheelbase	3988	4038	4288	4588	4788	5288	5688	6088
Y Center of Gravity for Payload (Min.)	446	462	538	632	693	848	972	1158
Y Center of Gravity for Payload (Max.)	446	462	538	632	693	848	972	1158
W Body Length (Min.)	6576	6644	6993	7406	7683	8373	8925	9353
W Body Length (Max.)	6576	6644	6993	7406	7683	8373	8925	9353

Chassis Weights [kg]

Front Axles	6505	6500	6490	6460	6455	6420	6410	6075
Rear Bogie	2615	2630	2700	2760	2810	2900	2975	3055
Kerb Weight	9120	9130	9190	9220	9265	9320	9385	9130
Payload (including body, driver, fuel, etc.)	22880	22870	22810	22780	22735	22680	22615	22870

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	18100	18200	19000	20000	20600	22200	23500	24800
Turning Circle Diameter Wall to Wall	19400	19600	20400	21400	22000	23600	24900	26200

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	32000	37000
Gross Combination Weight	37000	44000
Front Axles	13000	16000
Rear Bogie	19000	21000

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

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 FM84RF3A.

MODEL RANGE

FM D13 84 Rigid DualFront Axles Diesel Rear Air FM 84RF 3A

Transport operation

- **RC-ROUGH** Rough road conditions: frequent driving on poorly maintained surfaced roads, hard-packed sand or gravel, or other surfaces of good or bad quality.
- **RC-SMOOT** Smooth road conditions: at least 95% of the driven distance is on well-maintained or less maintained surfaced roads. Driving may occur on poorly maintained surfaced roads, hard-packed sand, or gravel surfaces of good or bad quality.
- **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **CHH-MED** Chassis height medium - approx. 900 mm above ground level
- **RADD-GR** Rear air suspension - two axles, both driving
- **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
- **TAAXLIFT** Tandem Axle Lift for driven bogie axle
- **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
- **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-AIR** Front air suspension
- **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **FST-PAR3** Three-leaf front parabolic springs (stiffer than normal)
- **FST-PL1** Two-leaf front parabolic springs, lightweight composite support leaf (normal stiffness)
- **FSLB-BAS** Basic levelling stroke in front air suspension (high ground clearance under front axle member)
- **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
- **RSTAB1** Rear anti-roll bar, normal stiffness
- **RSTAB3** Rear anti-roll bar, extra-high stiffness
- **RALIM105** First rear drive axle load limiter, 10.5 tonnes (speed controlled)
- **RALIM115** First rear drive axle load limiter, 11.5 tonnes (speed controlled)
- **RALIM13** First rear drive axle load limiter, 13 tonnes
- **RALIM15** First rear drive axle load limiter, 15 tonnes
- **RALIM95** First rear drive axle load limiter, 9.5 tonnes (speed controlled)
- **ASF-DL1** Air suspension with one ride height
- **ASF-DL3** Air suspension with three ride heights
- **ACTST-TO** Volvo Dynamic Steering
- **ASFE-BAS** Volvo Dynamic Steering, basic
- **ASFE-OG** Volvo Dynamic Steering with Stability Assist
- **ASFE-PO** Volvo Dynamic Steering with Personal Settings and Stability Assist
- **ASFE-PS** Volvo Dynamic Steering with Personal Settings
- **PSS-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-AIR** Rear air springs
- **SUSPL-EC** Remote control for air suspension levelling
- **FRAME300** Frame rail section external height 300 mm
- **FST8080** Frame thickness - web 8.0 mm / flange 8.0 mm
- **FIL-EEEB** Frame inner liner from end of engine to end of bogie
- **FIL-EEEF** Frame inner liner from end of engine to end of frame
- **FIL-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

■ Standard Equipment

□ Optional Equipment

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FM D13 84 Rigid DualFront Axles Diesel Rear Air FM 84RF 3A

☐ BATTIND	Battery voltmeter, ammeter and battery status gauge with visual alerts	☐ TOWR-ONE	Brace that can be used for towing in specific situations. The brace is mounted on the end cross member, and if the end cross member is thinner than 8 mm, it will be reinforced. The brace includes a lockable pin and is dimensioned for a 3-tonne centre-axle trailer or a 10-tonne articulated drawbar trailer. It may only be used for short-distance, on-site transport in confined areas and at speeds of a maximum of 30 km/h.
☐ ADR1	ADR adaptation, 1 switch in dashboard	☐ TREL-PK	Trailer electrical preparation kit (chassis/cab wiring)
☐ ADR2	ADR adaptation, 1 switch in dashboard, 1 outside on back of cab	☐ TREL14	14-pin trailer connection
☐ MSWI-A	ADR main switch	☐ TREL15	15-pin trailer connection (ADR certified)
☐ MSWI-C	Main switch on chassis	☐ TREL7	7-pin trailer connection (ISO 24N)
☐ MSWI-R	Key remote controlled main switch	☐ TREL7-7	2x7-pin trailer connection (ISO 24N+24S, non-ADR)
☒ R405A71	Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l	☐ TBC-EC	Trailer brake connection, European Community
☒ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 450l	☐ TRBR-HCF	Full-pressure, hand-controlled trailer brake check (8 bar)
☒ ADTP-L	AdBlue tank on left hand side	☐ TRBR-HCR	Reduced-pressure, hand-controlled trailer brake check (4 bar)
☐ ADTP-LF	AdBlue tank on left hand side at the front	☐ TRBR-STA	Stationary trailer brake check
☐ ADTP-R	AdBlue tank on right hand side	☐ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
☐ ADB032	AdBlue tank: usable volume 32 litres, mounted between front axles	☐ FFEND-B	Mudguards on second front axle
☐ ADB048	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side	☐ FFEND-T	Transport-mounted mudguards on second front axle
☒ ADB064	AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	☐ RFEND-B	Rear 3-piece mudguards (anti-spray) on all rear axles
☐ ADTC-BF	AdBlue tank cover, silver metallic	☐ RFEND-T	Transport mudguard
☒ FCAP-L	Lockable diesel and AdBlue filler caps	☐ RFH-BAS	Basic mudguard installation height on 2nd front axle and rear axles
☒ FUFF-AS	Fuel filling anti-spillage device	☐ RFH-HIG	High mudguard installation height on 2nd front axle and rear axles
☐ FUFF-ATS	Fuel filling anti-theft and anti-spillage device	☐ RFH-LOW	Low mudguard installation height on 2nd front axle and rear axles
☐ ESH-LEFT	Horizontal silencer, left exhaust outlet	☐ ATANK-AL	Aluminium air tanks
☐ ESH-REAR	Horizontal silencer, rear exhaust outlet	☒ ATANK-ST	Steel air tanks
☐ ESH-RIGH	Horizontal silencer, right exhaust outlet	☐ TL-LED	LED tail lamps (tail light, exterior marker light, brake light, hazard warning light, reverse light, rear fog light, licence plate light and reflector)
☐ ESH-VERT	Horizontal silencer, vertical exhaust outlet on right-hand side	☒ BLIGHT-E	Flashing brake lights will automatically activate in emergency braking. The flashing frequency is 4 Hz and emergency braking is detected if speed exceeds 50 km/h and retardation is 4 m/s ² or more. The function deactivates when retardation is less than 2.5 m/s ² .
☐ ESV-VERT	Vertical silencer, vertical exhaust outlet on right-hand side		
☐ EXST-SSP	Vertical exhaust top pipe, bright polished stainless steel		
☐ EXST-ST	Vertical exhaust top pipe, aluminised steel		
☐ WHC-FIX2	Two non-collapsible wheel chocks		
☒ WHC-FOL2	Two collapsible wheel chocks		
☐ WHCP-F	Wheel chock holder in the front part of the vehicle		
☐ WHCP-R	Wheel chock holder in the rear part of the vehicle		
☒ WHCP-T	Wheel chock holder by-packed in cab outer luggage compartment		
☐ TB-L80	Tool box on left-hand side, 205-litre - length 730 mm, height 590, depth 595 mm		
☐ TB-R80	Right tool box, length 800 mm		
☐ SUP-BAS	Standard side underrun protection, aluminium		
☐ CHAIN-S	Snow chains		
☐ HOOK-SC	Snow chain hooks		
☒ TOWF-NO1	One front towing device		
☐ TOWF-NO2	Two front towing devices		
☐ TOWMBRL1	Towing member, high-mounted in centre of frame		
☐ TOWMBRL1	Towing member, low-mounted under frame		
☐ TOWMBRM	Towing member, medium-mounted in line with lower frame flange		
☒ RFEC-S	Straight-cut rear frame end		
☐ RFEC-U	Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications)		
☐ C-RI4040	Coupling Ringfeder 4040A G-150		
☐ C-RI4045	Coupling Ringfeder 4045A G-150		
☐ C-RI5050	Coupling Ringfeder 5050A G-150		
☐ C-RO400G	Coupling Rockinger 400 G-150		
☐ C-RO50	Coupling Rockinger 50 mm		
☐ C-VBG520	Coupling VBG 5200D		
☐ C-VBG795	Coupling VBG 795V		

☒ Standard Equipment

☐ Optional Equipment

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■ JACK-20T	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. For FM: Height 190-325 mm, weight 10.5 kg For FH: height 240-467 mm, weight 13.3. kg	■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge
		□ FUEQ-EH	Fuel line electric heater
■ TOOLKIT	This kit consists of a tool bag (case) including the following tools:	□ AF-E	Electrically heated fuel filter
	• 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.	■ AF-R	Hot fuel recirculation heated fuel filter
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	■ FUEFE2LW	Large engine-mounted dual fuel filter with water separator and drain
		□ FUEFE2SW	Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
□ GAUGE-TP	Tyre pressure gauge	■ EST-AID	Engine intake air heater
Powertrain equipment		□ 220EBH15	Engine block heater, 220 V, 1.5 kW
□ 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-TPT	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
		■ STGW-ADJ	Manually adjustable steering wheel
		□ AIRBAG	Airbag on driver's side

■ Standard Equipment

□ Optional Equipment

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■ DRC-AMII Regeneration control for DPF, initiation: automatic or manual, inhibition: manual □ 1DAYB One-day analogue tachograph, basic ■ TAC-PK2 Preparation kit for tachograph □ ARSL Additional road speed limiter control (switch in dashboard) ■ ACCLF-D Volvo torque assist - Disabled □ ACCLF-E Volvo torque assist - Enabled □ ESP-BAS1 ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity □ ESPC-RO Electronic stability program functionality control, switch - On/Reduced/Off □ HWSS-ACB Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info. □ HWSS-FCB Collision Warning with Emergency Brake (forward) □ LSS-DW Lane Keeping Support - lane departure warning □ LSS-DW3 Pilot Assist - active, continuous lane keeping □ LCS2 Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side □ LCS3 Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side □ LCS5 Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, both sides □ DAS-W Driver Alert Support □ RSSENS-W Wipers rain sensor □ CU-ECC Automatic climate control with sun sensor □ CU-ECC2 Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter ■ CU-MCC Manual climate control (heater/cooler function) ■ IGT-BUT Push-button ignition □ IMMOBIL Immobiliser □ ALARM-E Anti-theft alarm for cab, superstructure and trailer □ PHONE-PK □ ISUNS-BS Side interior roller blind on both sides, manually manoeuvred ■ ISUNS-DS Side interior roller blind on driver's side, manually manoeuvred □ ISUNF-B □ ISUNF-MD □ ISUNF-RE Interior roller blind, integrated in front shelf, electrically manoeuvred ■ ISUNF-RM Interior roller blind, integrated in front shelf, manually manoeuvred □ ADFS Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D) ■ BUPALARM Reversing warning □ LOADIND Load indicator, shown in instrument display and side display □ REMC-MF Wireless remote control, multi-functional ■ FIREXT3S Fire extinguisher 3 kg, Swedish/English decal ■ WARNVEST Reflective vest, fulfils European standard EN 471 class 2 ■ WARNTRI2 Two warning triangles □ AIDKIT First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors. □ AIDKIT1B First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements) □ WARNLAMP Portable amber and white warning lamp with batteries □ LAMP-IN Inspection lamp with 10 m cable	□ BULBKIT Bulb and fuse kit □ WRITEPAD Writing pad with paper clamp Cab Interior, Living □ DST-CF1 Driver's seat Comfort ■ DST-CF4 Driver's seat Comfort, belt in seat □ DST-CF5 Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion □ DST-CF6 Driver's seat Comfort, belt in seat, heated, ventilated □ DST-LUX1 Driver's seat Deluxe, belt in seat, heated, ventilated □ SBD-RED Red safety belts, passenger and driver seats □ SBPRE-DS Driver's seat belt pretensioner □ PST-BAS1 Passenger seat Basic, non-suspended ■ PST-CF4 Passenger seat Comfort, suspended, belt in seat □ PST-CF5 Passenger seat Comfort, suspended, belt in seat, electrically heated □ PST-STD2 Passenger seat Regular, non-suspended □ PST-STD4 Passenger seat Regular, suspended □ SBPRE-PS Passenger seat belt pretensioner □ ARMRE-BB Two armrests on both driver's and passenger seats □ ARMRE-DB Two armrests on driver's seat □ ARMRE-PB Two armrests on passenger seat □ ARU-BAS Vinyl armrest upholstery □ ARU-LEA Leather armrest upholstery ■ FMAT-RUB Black rubber floor mats □ FMAT-TX2 Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats □ LBK70 Lower fixed bed 2000x700 mm, non-foldable, safety net included □ MATL-FI Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg □ MATL-SF Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg □ OLMAT-BA Overlay mattress, 28 mm thick black textile □ OLMAT-PR Overlay mattress Premium, 35 mm thick black textile □ TBK60F Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included □ TBK70F Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included □ PH-CAB2 Cab parking heater, 2 kW □ PH-ENGCA Engine and cab parking heater □ PH-SS Short stop cab heater □ SLCP-BAS Basic sleeper control panel (interior light, parking heater, roof hatch, door locks) □ ETSB-F Storage at front of engine tunnel □ ETSB-FR Storage at back of engine tunnel and at back, against rear cab wall □ ETSB-FRS Storage at front of engine tunnel and immersed in RH side of tunnel □ ETSB-FS Storage at back of engine tunnel, at back against rear cab wall and immersed in RH side of tunnel □ ETSB-R Storage at back of engine tunnel, against rear cab wall □ ETSB-RS Storage immersed in RH side of engine tunnel and at back against rear cab wall □ ETSB-S Storage immersed in RH side of engine tunnel □ RUS-BAS Storage in rear upper cab, 154 litres (300 mm high) □ RUS-HIG Storage in rear upper cab, 245 litres (440 mm high) □ REF-ICPK Preparation kit for refrigerator □ REFR-RUS Refrigerator 28-litre, with dividers, on rear upper wall □ 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
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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 DualFront Axles Diesel Rear Air FM 84RF 3A

■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	□ HL-ADJ	Manually adjustable headlamp beam
□ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	■ DRL-LED	Daytime running lamps (LED)
□ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	□ UDRL	Without daytime running lamps
□ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	□ DRIVL2	Extra main beam
■ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	■ UDRVL	Without extra main beam
□ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	■ FOGL-WC	White front fog lamps
□ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	□ CL-STAT	Static cornering lights
□ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	□ ASL-RF2	Two LED spot lamps in sign box
■ GLAS-TIN	Tinted windows	□ IDLAMP-A	Three amber identification lamps on mid front roof
□ GLAS-UNT	Untinted windows	□ IDLAMP-W	Three white identification lamps on mid front roof
□ SWIND-BS	Rear side window on both sides	□ IDLMPSW	Switch in cab for identification lamps
□ SWIND-PS	Rear side window on passenger side	□ BEACOA2F	Two amber LED beacons on cab front roof
□ AWIND-RF	Fixed window in back of cab (without curtains)	□ BEACOA2R	Two amber LED beacons on cab rear roof
□ VANMIR	Vanity mirror in front shelf lid	□ BEACON-P	Preparation kit for roof beacons
□ AS-FUS	One extra shelf in each of the two front upper storage compartments	□ BEACONA4	Four amber LED beacons on roof - two on front, two on rear
□ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	□ CABPT-R1	One front cab roof pass-through on passenger side
Cab exterior		□ CABPT-R2	Two front cab roof pass-throughs, one on each side
□ EXTL-BA2	Exterior trim level basic 2	□ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
■ EXTL-BAS	Exterior trim level basic	□ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
■ DGLAS-H	Tempered door window glass	□ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
□ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.	□ ROS-IL	Roof sign illumination
□ BUMP-B	Plastic front bumper	□ ROS-IL2	Preparation kit for installation of roof sign illumination
■ BUMP-B2	Steel front bumper	□ ROS-ILP	Wiring kit for roof sign illumination
□ BUMP-SP	Front bumper spoiler	□ CSGN-GTR	Globetrotter decal in the roof sign box
□ GUARD-EH	Guard plate for cooling pipes and oil sump	■ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
■ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	□ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
■ CTILTP-E	Electric cab tilt pump	□ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
□ FCABS-A	Air front cab suspension	□ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
■ FCABS-M	Mechanical front cab suspension	□ ACCBP-F	Accessory bracket mounted on front roof
□ RCABS-A	Air rear cab suspension	□ ACCBP-FM	Accessory brackets mounted on front roof and midroof
■ RCABS-M	Mechanical rear cab suspension	□ ACCBP-FR	Accessory brackets mounted on front and rear roof
□ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	□ ACCBP-M	Accessory bracket mounted on midroof
□ MIRCMCP	Camera Monitor System and passenger corner camera	□ ACCBP-R	Accessory brackets mounted on mid-roof and rear roof
■ MIRCMS	Camera Monitor System	□ ACCBP-RM	Accessory bracket mounted on rear roof
■ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	Superstructure preparations	
■ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)	□ SRWL-2RW	2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)
■ SUNV-H	Exterior front sun visor, transparent dark-grey	□ SRWL-PK	Preparation kit for LED reverse/work lamps at rear chassis, 3-pos switch (On/Off/Reverse auto On)
□ AD-ROOF	Roof air deflector	□ SWL-2FW	2 white LED work lamps at front of chassis, and a 2-position switch (On/Off)
□ AD-SIDES	Cab side air deflectors, short	□ SWL-2RW	2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)
■ HL-BASIC	Halogen H7 headlamps	□ SWL-4W	4 white LED work lamps on chassis (2 front, 2 rear) and a flexible switch (On/Off)
□ HL-LED	LED headlamps	□ SWL-PK	Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
□ HL-LED3	LED headlamps with adaptive high beam	□ WL-CHPK	Preparation kit for work lamp (switch with cable to frame, by gearbox)
□ HBDA-A	Automatic main beam deactivation and reactivation	□ WLC-H2A	2 white LED work lamps, high-mounted on back of cab (switch included)
□ HL-CLEAN	High-pressure headlamp cleaner	□ WLC-H2W	2 white LED work lamps, high-mounted on back of cab (switch included)
□ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)	□ WLC-PKCH	Preparation kit (cables and switch) for work lamp inside or outside superstructure
		□ WLC-PKH	Preparation kit (cables and switch) for high-mounted work lamps on back of cab
		□ WLC-PKL	Preparation kit (cables and switch) for low-mounted work lamps on back of cab
		□ WLC-PKLH	Preparation kit (cables and switch) for low- and high-mounted work lamps on back of cab

■ Standard Equipment

□ Optional Equipment

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- **ECBB-BAS** Body builder electrical centre, prepared for body builder module
- **ECBB-HIG** Body builder electrical centre, body builder module with 14 high and 4 low digital outlets
- **ECBB-MED** Body builder electrical centre, body builder module with 7 high and 4 low digital outlets
- **BBCHAS1** One 7-pole bodywork connector on chassis
- **BBCHAS3** Three 7-pole bodywork connectors on chassis
- **BEPR-T2** Bodywork electrical and software preparation for tipper with remote control
- **EXSTER** Support for external steering control via body builder module
- **TD-LED** TD-LED detects trailers that have either bulb lights or LED lights. Continuous monitoring of the trailer connection status allows optimization of gear shifting and systems like Electronic Stability Program (ESP). Full diagnostics are available for bulb lights, while for LED lights the system cannot identify an "open circuit".
- **FRFS-BS** Frame rail free space on both sides to give space for crane legs or other equipment
- **FBA-BTF** Front body attachment brackets, lower, for flexible body
- **FBA-BTSF** Front body attachment brackets, lower, for semi-flexible body
- **HBA-FSFB** Holes for body attachments, flexible/semi-flexible body
- **HBA-SB** Holes for body attachments, stiff body
- **RBA-T2** Rear body attachment brackets, lower
- **CRANEPK1** Frame-mounted crane interface plates, up to 10 tonne-metres
- **CRANEPK2** Frame-mounted crane interface plates, up to 20 tonne-metres
- **CRANEPK4** Frame-mounted crane interface plates, up to 40 tonne-metres
- **AUXL-SPK** Preparation kit (wiring and a switch in dashboard) for snow plough lamps
- **TAILPRE2** Tail lift preparation kit, wireless remote operation
- **TAILPREP** Tail lift preparation kit
- **AESW2** 2 bistable bodywork switches (marked AUX1/AUX2)
- **AESW2PK** 2 bistable bodywork switches (marked AUX1/AUX2) + prepared for 4 bistable switches (dummy switches)
- **AUXSW-4** Hardwiring for 4 extra switches (from body builder electrical centre to instrument panel)

Services

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

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