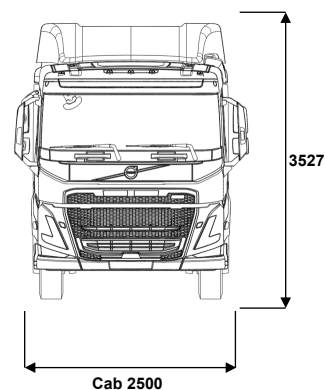
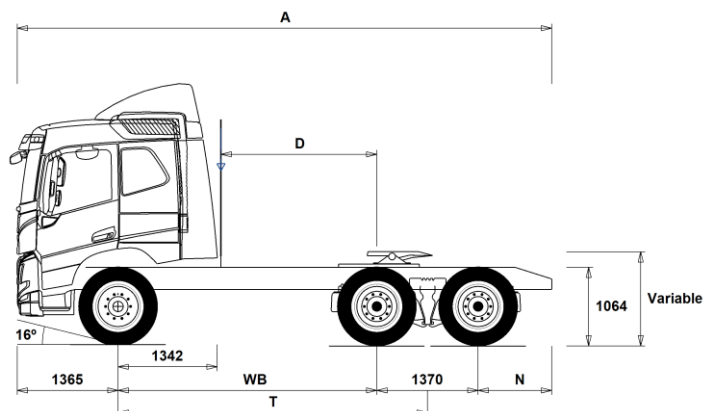


MODEL RANGE

FM D13 64 Tractor Diesel Rear Air FM 64T 3A



Chassis Dimensions [mm]

WB Wheelbase	3000	3200	3400	3600	3900
A Overall Chassis Length	6730	6930	7130	7330	7630
D Center of rear axle to back of cab	1608	1808	2008	2208	2508
N Rear Overhang (Min.)	805	805	805	805	805
N Rear Overhang (Max.)	995	995	995	995	995
T Theoretical Wheelbase	3685	3885	4085	4285	4585

Chassis Weights [kg]

Front Axle	4905	4920	4945	4960	4980
Rear Bogie	3630	3625	3630	3630	3630
Kerb Weight	8535	8545	8575	8590	8610

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	13300	13900	14500	15100	16100
Turning Circle Diameter Wall to Wall	14700	15300	15900	16500	17500

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	26000	28100
Gross Combination Weight	44000	44000
Front Axle	7000	7100
Rear Bogie	19000	21000

Important Notes

Chassis Dimensions

Cab Height: -410 mm for CAB-DAY, +144 mm for CAB-HSLP, -1545 mm for CAB-LDAY, -867 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.

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 FM64T3A.

MODEL RANGE

FM D13 64 Tractor Diesel Rear Air FM 64T 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.

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 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

- ☐ **WEIGHTO** Weight optimisation package
- ☐ **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)
- ☐ **FSLs-BAS** Basic levelling stroke in front air suspension (high ground clearance under front axle member)
- ☐ **FSLs-HI** High-range levelling stroke in front air susp. (reduced ground clearance under front axle member)
- ☐ **FAL10.0** Front axle load 10.0 tonnes
- **FAL7.1** Front axle load 7.1 tonnes
- ☐ **FAL7.5** Front axle load 7.5 tonnes
- ☐ **FAL8.0** Front axle load 8.0 tonnes
- ☐ **FAL8.5** Front axle load 8.5 tonnes
- ☐ **FAL9.0** Front axle load 9.0 tonnes
- ☐ **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 driving axle load limiter, 10.5 tonnes (speed controlled)
- ☐ **RALIM115** First rear driving axle load limiter, 11.5 tonnes (speed controlled)
- ☐ **RALIM13** First rear drive axle load limiter, 13 tonnes
- ☐ **RALIM15** First rear driving axle load limiter, 15 tonnes
- ☐ **RALIM95** First rear driving 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-SING** Single power steering system
- **PSP-FIX** Power steering pump with fixed displacement
- ☐ **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
- ☐ **RST-AIR6** Rear air springs for hot climates
- **SUSPL-EC** Remote control for air suspension levelling
- **FRAME300** Frame rail section external height 300 mm
- ☐ **FST7070** Frame thickness - web 7.0 mm / flange 7.0 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-TXEB** Frame inner liner from transmission cross member to end of bogie
- ☐ **BBOX-EF** Battery box at end of frame
- **BBOX-L** Battery box on left-hand side
- ☐ **BATS-D** Dual battery system (2 vehicle batteries and 2 starter batteries)
- **BATS-S** Single battery system (2 batteries)

■ 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 64 Tractor Diesel Rear Air FM 64T 3A

□ 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 □ MSWI-A ADR main switch □ MSWI-C Main switch on chassis □ MSWI-R Key remote controlled main switch ■ R405A71 Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 150l Max volume 810l ■ UL-FUEL Without left side fuel tank Min volume 160l Max volume 730l □ ADTP-BC AdBlue tank behind/under cab on right hand side □ ADTP-L AdBlue tank on left hand side ■ ADTP-R AdBlue tank on right hand side □ ADB048 AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side □ ADB050 AdBlue tank: usable volume 50 litres, mounted behind cab ■ ADB064 AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side □ ADB068 AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side □ ADB083 AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side □ ADB090 AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side □ ADB100 AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side □ ADB112 AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side □ ADTC-BF AdBlue tank cover, silver metallic ■ FCAP-L Lockable diesel and AdBlue filler caps ■ FUFF-AS Fuel filling anti-spillage device □ FUFF-ATS Fuel filling anti-theft and anti-spillage device □ ESH-LEFT Horizontal silencer, left exhaust outlet ■ ESH-REAR Horizontal silencer, rear exhaust outlet □ ESH-RIGH Horizontal silencer, right exhaust outlet □ ESH-VERT Horizontal silencer, vertical exhaust outlet on right-hand side □ 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-M Wheel chock holder in the middle 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 - width 730 mm, height 590, depth 595 mm □ TB-R80 Tool box on right-hand side, 205-litre - width 730 mm, height 590, depth 595 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 □ 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. □ TREL15 15-pin trailer connection (ADR certified) □ TREL7 7-pin trailer connection (ISO 24N) ■ TREL7-7 2x7-pin trailer connection (ISO 24N+24S, non-ADR) ■ TBC-EC Trailer brake connection, European Community □ TRBR-HCF Full-pressure, hand-controlled trailer brake check (8 bar) □ TRBR-HCR Reduced-pressure, hand-controlled trailer brake check (4 bar) ■ TRBR-STA Stationary trailer brake check □ TRB-STRE Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability ■ RFEND-B Rear 3-piece mudguards (anti-spray) on all rear axles ■ RFH-BAS Basic mudguard installation height on 2nd front axle and rear axles □ RFH-HIG High mudguard installation height on 2nd front axle and rear axles □ RFH-LOW Low mudguard installation height on 2nd front axle and rear axles □ ATANK-AL Aluminium air tanks ■ ATANK-ST Steel air tanks ■ 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) ■ 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/s² or more. The function deactivates when retardation is less than 2.5 m/s².
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Rims and tyres

□ RT-AL	Brushed aluminium rims with standard holes (long stud fixing) on all axles
□ RT-AL1	LvL ONE® smooth and glossy aluminium rims with standard holes (long stud fixing) on all axles
□ RT-AL1DU	LvL ONE® smooth and glossy aluminium rims with countersunk holes (short stud fixing) on all axles
□ RT-ALDP	Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles
□ RT-ALDPD	Dura-Bright® polished aluminium rims with countersunk holes (short stud fixing) on all axles
□ RT-ALDU	Brushed aluminium rims with countersunk holes (short stud fixing) on all axles
■ RT-STEEL	Steel rims on all axles
□ WCAP	Wheel caps
□ SPWT-D	Spare driving wheel
■ SPWT-F	Spare front wheel
□ SWCP-LF	Spare wheel carrier on left side in front of rear axle
□ SWCP-T	Spare wheel transport-mounted on top of frame
■ SWCP-TP	Spare wheel and carrier transport-mounted on top of frame
□ JACK-12T	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
□ JACK-15T	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
■ JACK-20T	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

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D13 64 Tractor Diesel Rear Air FM 64T 3A

	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		
■ TOOLKIT	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.	■ 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)
■ 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-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	□ PTR-FH	Gearbox high-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm
□ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel	□ PTR-FL	Gearbox low-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm
■ AIRIN-HI	High air inlet	□ PTRD-D	Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm
□ AIRIN-LO	Low air inlet	□ PTRD-D1	Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm
□ ACL1ST-S	Air cleaner with extra filter element	□ PTRD-D2	Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm
■ 24A110BL	Alternator 110 Ampere	□ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm
□ 24A150BL	Alternator 150 Ampere	□ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow
□ 24A180BL	Alternator 180 Ampere	□ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow
□ 24AL110B	Alternator 110 Ampere	□ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow
□ 24AL150B	Alternator 150 Ampere	□ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow
□ CCV-C	Closed crankcase ventilation	□ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow
□ CCV-O	Open crankcase ventilation	Cab Interior, Driving	
■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge	■ STWPOS-L	Left-hand drive
□ FUEQ-EH	Fuel line electric heater	□ STWPOS-R	Right-hand drive
□ AF-E	Electrically heated fuel filter	□ STWM-LE	Steering wheel material leather
■ AF-R	Hot fuel recirculation heated fuel filter	□ STGW-AD2	Manually adjustable steering wheel with neck tilt
		■ STGW-ADJ	Manually adjustable steering wheel

■ Standard Equipment

□ Optional Equipment

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FM D13 64 Tractor Diesel Rear Air FM 64T 3A

☐ AIRBAG	Airbag on driver's side	☐ WARNLAMP	Portable amber and white warning lamp with batteries
☐ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual	☐ LAMP-IN	Inspection lamp with 10 m cable
■ DRC-AUTO	Regeneration control for DPF, fully automatic (in motion)	☐ BULBKIT	Bulb and fuse kit
☐ 1DAYB	One-day analogue tachograph, basic	☐ WRITEPAD	Writing pad with paper clamp
■ TAC-PK2	Preparation kit for tachograph	Cab Interior, Living	
☐ ARSL	Additional road speed limiter control (switch in dashboard)	☐ DST-CF1	Driver's seat Comfort
■ ACCLF-D	Volvo torque assist - Disabled	■ DST-CF4	Driver's seat Comfort, belt in seat
☐ ACCLF-E	Volvo torque assist - Enabled	■ DST-CF5	Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
■ ESP-BAS1	ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity	☐ DST-CF6	Driver's seat Comfort, belt in seat, heated, ventilated
☐ ESPC-RO	Electronic stability program functionality control, switch - On/Reduced/Off	☐ DST-LUX1	Driver's seat Deluxe, belt in seat, heated, ventilated
☐ HWSS-ACB	Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.	☐ SBD-RED	Red safety belts, passenger and driver seats
☐ HWSS-FCB	Collision Warning with Emergency Brake (forward)	☐ SBPRE-DS	Driver's seat belt pretensioner
☐ LSS-DW	Lane Keeping Support - lane departure warning	☐ PST-BAS1	Passenger seat Basic, non-suspended
☐ LSS-DW3	Pilot Assist - active, continuous lane keeping	■ PST-CF4	Passenger seat Comfort, suspended, belt in seat
☐ LCS2	Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side	☐ PST-CF5	Passenger seat Comfort, suspended, belt in seat, electrically heated
☐ LCS3	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side	☐ PST-STD2	Passenger seat Regular, non-suspended
☐ LCS5	Active Side Collision Avoidance Support: Collision Warning for both sides (sound and visual information) and Emergency Brake for passenger side	☐ PST-STD4	Passenger seat Regular, suspended
☐ DAS-W	Driver Alert Support	☐ SBPRE-PS	Passenger seat belt pretensioner
☐ RSENS-W	Wipers rain sensor	☐ ARMRE-BB	Two armrests on both driver's and passenger seats
☐ CU-ECC	Automatic climate control with sun sensor	☐ ARMRE-DB	Two armrests on driver's seat
☐ CU-ECC2	Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter	☐ ARMRE-PB	Two armrests on passenger seat
■ CU-MCC	Manual climate control (heater/cooler function)	☐ ARU-BAS	Vinyl armrest upholstery
■ IGT-BUT	Push button ignition	☐ ARU-LEA	Leather armrest upholstery
☐ IMMOBIL	Immobiliser	■ FMAT-RUB	Black rubber floor mats
☐ ALARM-E	Anti-theft alarm for cab, superstructure and trailer	☐ FMAT-TX2	Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
☐ PHONE-PK		■ LBK70	Lower fixed bed 2000x700 mm, non-foldable, safety net included
■ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred	■ MATL-FI	Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
■ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred	☐ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
☐ ISUNF-B		☐ OLMAT-BA	Overlay mattress, 28 mm thick black textile
☐ ISUNF-MD		☐ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile
☐ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred	☐ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
■ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred	☐ TBK70F	Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
☐ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)	☐ PH-CAB2	Cab parking heater, 2 kW
■ BUPALARM	Reversing warning	☐ PH-ENGCA	Engine and cab parking heater
■ LOADIND	Load indicator, shown in instrument display and side display	☐ 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
		☐ 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)

■ Standard Equipment

☐ Optional Equipment

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MODEL RANGE

FM D13 64 Tractor Diesel Rear Air FM 64T 3A

■ BOTH-D	One bottle holder under dashboard centre section	■ HL-BASIC	Halogen H7 headlamps
□ COFMA-PK	Preparation kit (24 V) for coffee maker	□ HL-LED	LED headlamps
■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	□ HL-LED3	LED headlamps with adaptive high beam
□ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	□ HBDA-A	Automatic main beam deactivation and reactivation
□ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	□ HL-CLEAN	High-pressure headlamp cleaner
□ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	□ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)
■ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	□ HL-ADJ	Manually adjustable headlamp beam
□ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	■ DRL-LED	Daytime running lamps (LED)
□ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	□ UDRL	Without daytime running lamps (LED)
□ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	□ DRIVL2	Extra main beam
■ GLAS-TIN	Tinted windows	■ UDRVL	Without extra main beam
□ GLAS-UNT	Untinted windows	■ FOGL-WC	White front fog lamps
□ SWIND-BS	Rear side window on both sides	□ CL-STAT	Static cornering lights
□ SWIND-PS	Rear side window on passenger side	□ ASL-RF2	Two LED spot lamps in sign box
□ AWIND-RF	Fixed window in back of cab (without curtains)	□ IDLAMP-A	Three amber identification lamps on mid front roof
□ VANMIR	Vanity mirror in front shelf lid	■ IDLAMP-W	Three white identification lamps on mid front roof
□ AS-FUS	One extra shelf in each of the two front upper storage compartments	□ IDLMPSW	Switch in cab for identification lamps
□ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	□ BEACOA2F	Two amber LED beacons on cab front roof
Cab exterior		□ BEACOA2R	Two amber LED beacons on cab rear roof
□ EXTL-BA2	Exterior trim level basic 2	□ BEACON-P	Preparation kit for roof beacons
■ EXTL-BAS	Exterior trim level basic	□ BEACON4	Four amber LED beacons on roof - two on front, two on rear
■ DGLAS-H	Tempered door window glass	□ CABPT-R1	One front cab roof pass-through on passenger side
□ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.	□ CABPT-R2	Two front cab roof pass-throughs, one on each side
■ BUMP-B	Plastic front bumper	□ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
□ BUMP-B2	Steel front bumper	□ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
□ BUMP-SP	Front bumper spoiler	□ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
□ GUARD-EH	Guard plate for cooling pipes and oil sump	□ ROS-IL	Roof sign illumination
■ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	□ ROS-IL2	Preparation kit for installation of roof sign illumination
□ CTILTP-E	Electric cab tilt pump	□ ROS-ILP	Wiring kit for roof sign illumination
■ CTILTP-M	Manual cab tilt pump	□ CSGN-GTR	Globetrotter decal in the roof sign box
□ FCABS-A	Air front cab suspension	■ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
■ FCABS-M	Mechanical front cab suspension	□ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
□ RCABS-A	Air rear cab suspension	□ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
■ RCABS-M	Mechanical rear cab suspension	□ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
□ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	□ ACCBP-F	Accessory bracket mounted on front roof
□ MIRCMCP	Camera Monitor System and passenger corner camera	□ ACCBP-FM	Accessory brackets mounted on front roof and midroof
□ MIRCMS	Camera Monitor System	□ ACCBP-FR	Accessory brackets mounted on front and rear roof
■ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	□ ACCBP-M	Accessory bracket mounted on midroof
■ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)	□ ACCBP-R	Accessory brackets mounted on mid-roof and rear roof
■ SUNV-H	Exterior front sun visor, transparent dark-grey	□ ACCBP-RM	Accessory bracket mounted on rear roof
■ AD-ROOF	Roof air deflector	□ LADDER	Ladder on back of cab
■ AD-SIDEL	Cab side air deflectors, long	Superstructure preparations	
■ AD-SIDES	Cab side air deflectors, short	□ 5WM-ISHD	Fifth wheel ISO mounting on 16 mm plates (96 mm above frame) for heavy-duty applications
□ AD-CHASC	Chassis fairings, extended	■ 5WM-ISOM	Fifth wheel ISO mounting on medium L-profiles (60 mm above frame)
□ ADCF-F	Aerodynamic flaps on chassis fairings	□ 5WM-MASM	Fifth wheel mounting on 50 mm L-profiles, adjustable, manual slider lock release
		■ 5WH150	Fifth wheel leg height 150 mm (5.90")
		■ 5WH185	Fifth wheel leg height 185 mm (7.28")
		□ 5WH190	Fifth wheel leg height 190 mm (7.48")
		□ 5WH290	Fifth wheel leg height 290 mm (11.41")
		□ 5WT-JO11	Jost JSK 38G fixed heavy-duty fifth wheel, cast iron
		■ 5WT-JO8	Jost JSK 37 fixed fifth wheel, cast iron
		□ 5WT-JO9	Jost JSK 42 fixed fifth wheel, cast iron
		□ 5WT-JOHD	Jost JSK 38C fixed heavy-duty fifth wheel, cast iron
		□ 5WT-SH	SAF-Holland/+GF+ SK-S 36.20 V fixed fifth wheel, cast iron

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D13 64 Tractor Diesel Rear Air FM 64T 3A

- **5WT-SH2** SAF-Holland/+GF+ SK-HD 38.36 fixed heavy-duty fifth wheel, cast iron
- **5WL-S1** Fifth wheel lubrication: locking mechanism and top plate
- **TCIND** Trailer connection indication with sensors for height, kingpin and coupling lock
- **RDECK** Basic rear deck (one plate between frame rails and one over left fuel tank or left battery box)
- **RDECK-M** Medium rear deck (two plates between frame rails and one over left fuel tank or left battery box)
- **SRWL-2RA** -
- **SRWL-2RW** 2 white LED reverse/work lamps, rear-facing on rear chassis, 3-pos switch (On/Off/Reverse auto On)
- **SRWL-PK** Preparation kit for LED reverse/work lamps at rear chassis, 3-pos switch (On/Off/Reverse auto On)
- **SWL-2RA** -
- **SWL-2RW** 2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)
- **SWL-PK** Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
- **WL-TA1A** Amber LED work lamp on trailer arch
- **WL-TA1W** White LED work lamp on trailer arch
- **WLC-H2A** -
- **WLC-H2W** 2 white LED work lamps, high-mounted on back of cab (switch included)
- **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
- **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".
- **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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