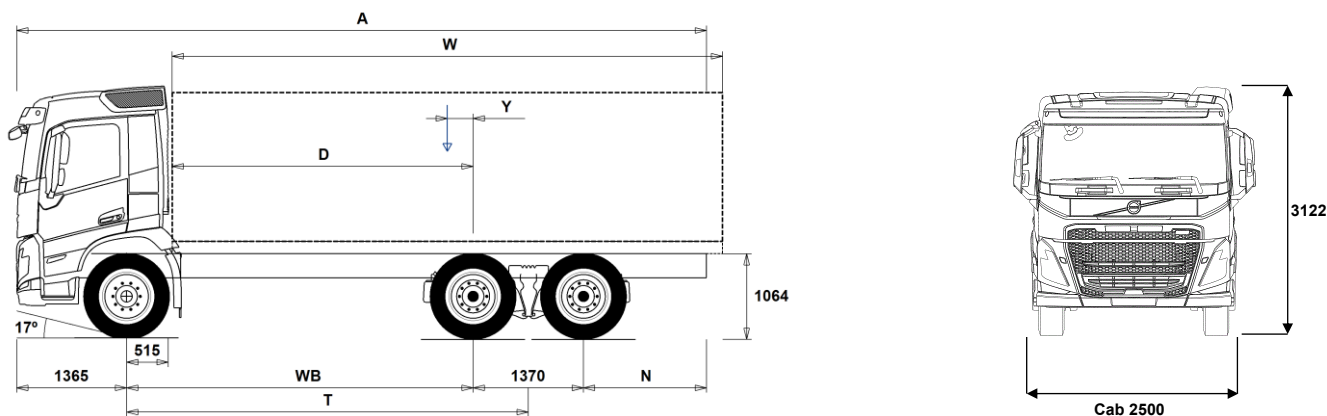


MODEL RANGE

FM D13 64 Rigid Diesel Rear Air FM 64R 3A



Chassis Dimensions [mm]

WB Wheelbase	3200	3400	3700	3900	4300	4600	4900	5200	5600
A Overall Chassis Length	7710	7310	8460	8760	9410	10560	10310	10810	11410
D Center of rear axle to front of body	2635	2835	3135	3335	3735	4035	4335	4635	5035
N Rear Overhang (Min.)	825	825	825	825	825	825	825	1225	1225
N Rear Overhang (Max.)	1775	1175	2025	2125	2375	3225	2675	2875	3075
T Theoretical Wheelbase	3885	4085	4385	4585	4985	5285	5585	5885	6285
Y Center of Gravity for Payload (Min.)	-191	-174	-130	-107	-60	-15	10	46	90
Y Center of Gravity for Payload (Max.)	-191	-174	-130	-107	-60	-15	10	46	90
W Body Length (Min.)	5651	6017	6530	6882	7588	8098	8649	9177	9890
W Body Length (Max.)	5651	6017	6530	6882	7588	8098	8649	9177	9890

Chassis Weights [kg]

Front Axle	4710	4745	4730	4735	4760	4745	4790	4795	4820
Rear Bogie	3295	3240	3330	3340	3395	3495	3445	3470	3505
Kerb Weight	8005	7985	8060	8075	8155	8240	8235	8265	8325
Payload (including body, driver, fuel, etc.)	17995	18015	17940	17925	17845	17760	17765	17735	17675

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	13900	14500	15500	16100	17300	18200	19100	20000	21300
Turning Circle Diameter Wall to Wall	15300	15900	16900	17500	18700	19600	20500	21500	22700

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	26000	28100
Gross Combination Weight	0	44000
Front Axle	7000	7100
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 FM64R3A.

MODEL RANGE

FM D13 64 Rigid Diesel Rear Air FM 64R 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.
- ☐ **SWAPBODY** Swap body vehicle preparation
- ☐ **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
- ☐ **CDCOPREP** Preparation kit for day cab cut-out (free text CA needed)
- ☐ **FM-CREW** FM crew cab (free-text CA needed)
- **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
- ☐ **PTO-HT16** High-torque power take-off 1600 Nm (free-text CA needed)

- ☐ **PTO-HT20** High-torque power take-off 2000 Nm (free-text CA needed)

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)
- ☐ **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 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-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
- ☐ **FRAME266** Frame rail section external height 266 mm
- **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-EEEE** Frame inner liner from end of engine to end of frame

■ Standard Equipment

☐ Optional Equipment

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MODEL RANGE

FM D13 64 Rigid Diesel Rear Air FM 64R 3A

☐ FIL-FBEB	Frame inner liner from front of bogie to end of bogie	☐ TB-R80	Right tool box, length 800 mm
☐ FIL-FBEF	Frame inner liner from front of bogie to end of frame	☐ SUP-BAS	Standard side underrun protection, aluminium
☐ FIL-TXEB	Frame inner liner from transmission cross member to end of bogie	☐ CHAIN-S	Snow chains
☐ FIL-TXEF	Frame inner liner from transmission cross member to end of frame	☐ HOOK-SC	Snow chain hooks
☒ BBOX-L	Battery box on left-hand side	☒ TOWF-NO1	One front towing device
☐ BATS-D	Dual battery system (2 vehicle batteries and 2 starter batteries)	☐ TOWF-NO2	Two front towing devices
☒ BATS-S	Single battery system (2 batteries)	☐ TOWMBRH	Towing member, high-mounted in centre of frame
☐ 2BAT210C	AGM batteries, 2x210 Ah	☐ TOWMBRL1	Towing member, low-mounted under frame
☒ 2BATT170	Batteries, 2x170 Ah	☐ TOWMBRL2	Towing member, low and forward-mounted under frame
☐ 2BATT225	Batteries, 2x225 Ah	☐ TOWMBRL3	Towing member, low and far-forward-mounted under frame
☒ BATTAMP	Battery voltmeter and ammeter	☐ TOWMBRM	Towing member, medium-mounted in line with lower frame flange
☐ BATTIND	Battery voltmeter, ammeter and battery status gauge with visual alerts	☐ RFEC-L	Tapered lower rear frame end (for centre axle drawbar)
☐ ADR1	ADR adaptation, 1 switch in dashboard	☒ RFEC-S	Straight-cut rear frame end
☐ ADR2	ADR adaptation, 1 switch in dashboard, 1 outside on back of cab	☐ RFEC-U	Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications)
☐ MSWI-A	ADR main switch	☐ C-RI4040	Coupling Ringfeder 4040A G-150
☒ MSWI-C	Main switch on chassis	☐ C-RI4045	Coupling Ringfeder 4045A G-150
☐ MSWI-R	Key remote controlled main switch	☐ C-RI5050	Coupling Ringfeder 5050A G-150
☒ R405A71	Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l	☐ C-RO400G	Coupling Rockinger 400 G-150
☒ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 730l	☐ C-RO50	Coupling Rockinger 50 mm
☐ ADTP-L	AdBlue tank on left hand side	☐ C-VBG520	Coupling VBG 5200D
☒ ADTP-R	AdBlue tank on right hand side	☐ C-VBG795	Coupling VBG 795V
☐ ADB048	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side	☐ 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.
☒ ADB064	AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	☐ TREL-PK	Trailer electrical preparation kit (chassis/cab wiring)
☐ ADB068	AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side	☐ TREL14	14-pin trailer connection
☐ ADB083	AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side	☐ TREL15	15-pin trailer connection (ADR certified)
☐ ADB090	AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side	☐ TREL7	7-pin trailer connection (ISO 24N)
☐ ADB100	AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side	☐ TREL7-7	2x7-pin trailer connection (ISO 24N+24S, non-ADR)
☐ ADB112	AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side	☐ TBC-EC	Trailer brake connection, European Community
☐ ADTC-BF	AdBlue tank cover, silver metallic	☐ TRBR-HCF	Full-pressure, hand-controlled trailer brake check (8 bar)
☒ FCAP-L	Lockable diesel and AdBlue filler caps	☐ TRBR-HCR	Reduced-pressure, hand-controlled trailer brake check (4 bar)
☒ FUFF-AS	Fuel filling anti-spillage device	☐ TRBR-STA	Stationary trailer brake check
☐ FUFF-ATS	Fuel filling anti-theft and anti-spillage device	☐ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
☐ ESH-LEFT	Horizontal silencer, left exhaust outlet	☐ RUP-FOLD	
☒ ESH-REAR	Horizontal silencer, rear exhaust outlet	☐ RFEND-B	Rear 3-piece mudguards (anti-spray) on all rear axles
☐ ESH-RIGH	Horizontal silencer, right exhaust outlet	☐ RFEND-T	Transport mudguard
☐ ESH-VERT	Horizontal silencer, vertical exhaust outlet on right-hand side	☐ RFH-BAS	Basic mudguard installation height on 2nd front axle and rear axles
☐ ESV-VERT	Vertical silencer, vertical exhaust outlet on right-hand side	☐ RFH-HIG	High mudguard installation height on 2nd front axle and rear axles
☐ EXST-SSP	Vertical exhaust top pipe, bright polished stainless steel	☐ RFH-LOW	Low mudguard installation height on 2nd front axle and rear axles
☐ EXST-ST	Vertical exhaust top pipe, aluminised steel	☐ AUXATNK	Extra air tank for air suspension
☐ HS-NAR	Muffler heat shield (EATS), narrow	☐ ATANK-AL	Aluminium air tanks
☐ WHC-FIX2	Two non-collapsible wheel chocks	☒ ATANK-ST	Steel air tanks
☒ WHC-FOL2	Two collapsible wheel chocks	☐ 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)
☐ WHCP-F	Wheel chock holder in the front part of the vehicle	☒ 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 .
☐ WHCP-M	Wheel chock holder in the middle 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		

☒ Standard Equipment

☐ Optional Equipment

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Rims and tyres

- ☐ **RT-AL** Brushed aluminium rims with standard holes (long stud fixing) on all axles

MODEL RANGE

FM D13 64 Rigid Diesel Rear Air FM 64R 3A

□ RT-AL1	LvL ONE® smooth and glossy aluminium rims with standard holes (long stud fixing) on all axles	□ RET-TH	Gearbox-mounted, hydrodynamic oil retarder
□ RT-AL1DU	LvL ONE® smooth and glossy aluminium rims with countersunk holes (short stud fixing) on all axles	□ RET-TPT	Gearbox-mounted Powertronic primary retarder
□ RT-ALDP	Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles	□ TC-HWO	Cooler for hydraulic gearboxes - water/oil
□ RT-ALDPD	Dura-Bright® polished aluminium rims with countersunk holes (short stud fixing) on all axles	□ TC-MAOH2	Extra high performance cooler for manual/I-shift gearboxes - air/oil
□ RT-ALDU	Brushed aluminium rims with countersunk holes (short stud fixing) on all axles	■ TC-MWO	Basic performance cooler for manual/I-Shift gearboxes - water/oil
■ RT-STEEL	Steel rims on all axles	□ TC-MWOH2	High performance cooler for manual/I-Shift gearboxes - water/oil
□ WCAP	Wheel caps	□ 2COM1080	Dual-cylinder air compressor 704 cc, 1080 l/min
□ SPWT-D	Spare driving wheel	□ 2COM1100	Dual-cylinder air compressor 760 cc, 1100 l/min
■ SPWT-F	Spare front wheel	■ 2COMP870	Dual-cylinder, two-stage air compressor 560 cc, 870 l/min
□ SWCP-LF	Spare wheel carrier on left side in front of rear axle	■ 2COMP900	Dual-cylinder air compressor 636 cc, 900 l/min
□ SWCP-R	Spare wheel carrier mounted behind rear axle	□ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel
□ SWCP-T	Spare wheel transport-mounted on top of frame	■ AIRIN-HI	High air inlet
■ SWCP-TP	Spare wheel and carrier transport-mounted on top of frame	□ AIRIN-LO	Low air inlet
□ 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	□ ACL1ST-S	Air cleaner with extra filter element
□ 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	■ 24A110BL	Alternator 110 Ampere
■ 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 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	□ 24A150BL	Alternator 150 Ampere
■ 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.	□ 24A180BL	Alternator 180 Ampere
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	□ 24AL110B	Alternator 110 Ampere
□ GAUGE-TP	Tyre pressure gauge	□ 24AL150B	Alternator 150 Ampere
Powertrain equipment		□ CCV-C	Closed crankcase ventilation
□ TRAP-HD	Reinforced gearbox range housing	□ CCV-O	Open crankcase ventilation
■ DRM-BE	I-Shift drive modes Economy, Standard and Performance	■ CCV-OX	Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge
□ DRM-E	I-Shift drive mode Economy	□ FUEQ-EH	Fuel line electric heater
■ PVT-MTM	I-See	□ AF-E	Electrically heated fuel filter
■ CRUIS-E	I-Cruise cruise control, I-Roll included	■ AF-R	Hot fuel recirculation heated fuel filter
□ CRUIS-E5	I-Torque cruise control, optimized for fuel economy, I-Roll included	■ FUEFE2LW	Large engine-mounted dual fuel filter with water separator and drain
□ AMSO-AUT	I-Shift manual gear shifting available in automatic mode, including kick-down function	□ FUEFE2SW	Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
□ AVO-ENH	I-Shift with enhanced software for construction and off-road applications	■ EST-AID	Engine intake air heater
□ APF-ENH	I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection)	□ 220EBH15	Engine block heater, 220 V, 1.5 kW
		□ PTER-100	Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646
		□ PTER-DIN	Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653
		□ PTER1400	Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647
		□ HPE-F101	Engine-mounted hydraulic pump F1-101, fixed displacement, single flow
		□ HPE-F41	Engine-mounted hydraulic pump F1-41, fixed displacement, single flow
		□ HPE-F51	Engine-mounted hydraulic pump F1-51, fixed displacement, single flow
		□ HPE-F61	Engine-mounted hydraulic pump F1-61, fixed displacement, single flow
		□ HPE-F81	Engine-mounted hydraulic pump F1-81, fixed displacement, single flow
		□ HPE-T53	Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow
		□ HPE-T70	Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow
		□ HPE-V45	Engine-mounted hydraulic pump VP1-45, variable displacement, single flow
		□ HPE-V75	Engine-mounted hydraulic pump VP1-75, variable displacement, single flow
		□ PTPT-D	Gearbox PTO, 1 front/upper connection DIN 5462/ISO 7653 for plug-in pump, 850 Nm
		□ PTPT-F	Gearbox PTO, 1 front/upper rear flange connection SAE 1410/ISO 7647 for propshaft, 850 Nm
		□ PTR-D	Gearbox low-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 1000 Nm

■ Standard Equipment

□ Optional Equipment

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☐ PTR-DH	Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm	☒ CU-MCC	Manual climate control (heater/cooler function)
☐ PTR-DM	Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm	☒ IGT-BUT	Push-button ignition
☐ PTR-F	Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm	☐ IMMOBIL	Immobiliser
☐ PTR-FH	Gearbox high-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm	☐ ALARM-E	Anti-theft alarm for cab, superstructure and trailer
☐ PTR-FL	Gearbox low-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm	☐ PHONE-PK	
☐ PTRD-D	Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm	☐ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred
☐ PTRD-D1	Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm	☒ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred
☐ PTRD-D2	Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm	☐ ISUNF-B	
☐ PTRD-F	Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm	☐ ISUNF-MD	
		☐ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred
☐ HPG-F101	Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow	☒ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred
☐ HPG-F41	Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow	☐ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)
☐ HPG-F51	Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow	☒ BUPALARM	Reversing warning
☐ HPG-F61	Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow	☐ LOADIND	Load indicator, shown in instrument display and side display
☐ HPG-F81	Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow	☐ REMC-MF	Wireless remote control, multi-functional
Cab Interior, Driving		☒ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal
☒ STWPOS-L	Left-hand drive	☒ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2
☐ STWPOS-R	Right-hand drive	☒ WARNTRI2	Two warning triangles
☐ STWM-LE	Steering wheel material leather	☐ AIDKIT	First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.
☐ STGW-AD2	Manually adjustable steering wheel with neck tilt	☐ AIDKIT1B	First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)
☒ STGW-ADJ	Manually adjustable steering wheel	☐ WARNLAMP	Portable amber and white warning lamp with batteries
☐ AIRBAG	Airbag on driver's side	☐ LAMP-IN	Inspection lamp with 10 m cable
☐ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual	☐ BULBKIT	Bulb and fuse kit
☒ DRC-AUTO	Regeneration control for DPF, fully automatic (in motion)	☐ WRITEPAD	Writing pad with paper clamp
☐ 1DAYB	One-day analogue tachograph, basic	Cab Interior, Living	
☒ TAC-PK2	Preparation kit for tachograph	☐ DST-CF1	Driver's seat Comfort
☐ ARSL	Additional road speed limiter control (switch in dashboard)	☒ DST-CF4	Driver's seat Comfort, belt in seat
☒ 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
		☐ 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

☒ Standard Equipment

☐ Optional Equipment

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□ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg	□ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.
□ OLMAT-BA	Overlay mattress, 28 mm thick black textile	□ BUMP-B	Plastic front bumper
□ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile	■ BUMP-B2	Steel front bumper
□ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included	□ BUMP-SP	Front bumper spoiler
□ TBK70F	Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included	□ GUARD-EH	Guard plate for cooling pipes and oil sump
□ PH-CAB2	Cab parking heater, 2 kW	■ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator
□ PH-ENGCA	Engine and cab parking heater	■ CTILT-P-E	Electric cab tilt pump
□ PH-SS	Short stop cab heater	□ FCABS-A	Air front cab suspension
□ SLCP-BAS	Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)	■ FCABS-M	Mechanical front cab suspension
□ ETSB-F	Storage at front of engine tunnel	□ RCABS-A	Air rear cab suspension
□ ETSB-FR	Storage at back of engine tunnel and at back, against rear cab wall	■ RCABS-M	Mechanical rear cab suspension
□ ETSB-FRS	Storage at front of engine tunnel and immersed in RH side of tunnel	□ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)
□ ETSB-FS	Storage at back of engine tunnel, at back against rear cab wall and immersed in RH side of tunnel	□ MIRCMCP	Camera Monitor System and passenger corner camera
□ ETSB-R	Storage at back of engine tunnel, against rear cab wall	■ MIRCMS	Camera Monitor System
□ ETSB-RS	Storage immersed in RH side of engine tunnel and at back against rear cab wall	■ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror
□ ETSB-S	Storage immersed in RH side of engine tunnel	■ AMIR-F20	Front close-view mirror above windscreen, passenger side (radius 200 mm)
□ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)	■ SUNV-H	Exterior front sun visor, transparent dark-grey
□ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)	□ AD-ROOF	Roof air deflector
□ REF-ICPK	Preparation kit for refrigerator	□ AD-SIDES	Cab side air deflectors, short
□ REFR-RUS	Refrigerator 28-litre, with dividers, on rear upper wall	■ HL-BASIC	Halogen H7 headlamps
□ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)	□ HL-LED	LED headlamps
■ BOTH-D	One bottle holder under dashboard centre section	□ HL-LED3	LED headlamps with adaptive high beam
□ COFMA-PK	Preparation kit (24 V) for coffee maker	□ HBDA-A	Automatic main beam deactivation and reactivation
■ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	□ HL-CLEAN	High-pressure headlamp cleaner
□ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	□ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)
□ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	□ HL-ADJ	Manually adjustable headlamp beam
□ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	■ DRL-LED	Daytime running lamps (LED)
■ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	□ UDRL	Without daytime running lamps
□ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	□ DRIVL2	Extra main beam
□ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	■ UDRIVL	Without extra main beam
□ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	■ FOGL-WC	White front fog lamps
■ GLAS-TIN	Tinted windows	□ CL-STAT	Static cornering lights
□ GLAS-UNT	Untinted windows	□ ASL-RF2	Two LED spot lamps in sign box
□ SWIND-BS	Rear side window on both sides	□ IDLAMP-A	Three amber identification lamps on mid front roof
□ SWIND-PS	Rear side window on passenger side	□ IDLAMP-W	Three white identification lamps on mid front roof
□ AWIND-RF	Fixed window in back of cab (without curtains)	□ IDLMPSW	Switch in cab for identification lamps
□ VANMIR	Vanity mirror in front shelf lid	□ BEACOA2F	Two amber LED beacons on cab front roof
□ AS-FUS	One extra shelf in each of the two front upper storage compartments	□ BEACOA2R	Two amber LED beacons on cab rear roof
□ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	□ BEACON-P	Preparation kit for roof beacons
		□ BEACON-A4	Four amber LED beacons on roof - two on front, two on rear
		□ CABPT-R1	One front cab roof pass-through on passenger side
		□ CABPT-R2	Two front cab roof pass-throughs, one on each side
		□ 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
		■ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
		□ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons

Cab exterior

- **EXTL-BA2** Exterior trim level basic 2
- **EXTL-BAS** Exterior trim level basic
- **DGLAS-H** Tempered door window glass

■ Standard Equipment

□ Optional Equipment

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- ❑ **ANT-CBR** Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
- ❑ **ACCBR-AP** Accessory brackets mounted on front roof, midroof and rear roof
- ❑ **ACCBR-F** Accessory bracket mounted on front roof
- ❑ **ACCBR-FM** Accessory brackets mounted on front roof and midroof
- ❑ **ACCBR-FR** Accessory brackets mounted on front and rear roof
- ❑ **ACCBR-M** Accessory bracket mounted on midroof
- ❑ **ACCBR-R** Accessory brackets mounted on mid-roof and rear roof
- ❑ **ACCBR-RM** Accessory bracket mounted on rear roof

Superstructure preparations

- ❑ **CROSSRE** Cross reinforcement of frame for swap body
- ❑ **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-2FW** 2 white LED work lamps at front of chassis, and a 2-position switch (On/Off)
- ❑ **SWL-2RW** 2 white LED work lamps, rearward-facing on rear chassis (LH/RH side)
- ❑ **SWL-4W** 4 white LED work lamps on chassis (2 front, 2 rear) and a flexible switch (On/Off)
- ❑ **SWL-PK** Preparation kit for LED work lamps on chassis, with a 2-pos switch (On/Off)
- ❑ **WL-CHPK** Preparation kit for work lamp (switch with cable to frame, by gearbox)
- ❑ **WLC-H2A**
- ❑ **WLC-H2W** 2 white LED work lamps, high-mounted on back of cab (switch included)
- ❑ **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
- ❑ **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

■ Standard Equipment

❑ Optional Equipment

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- ❑ **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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