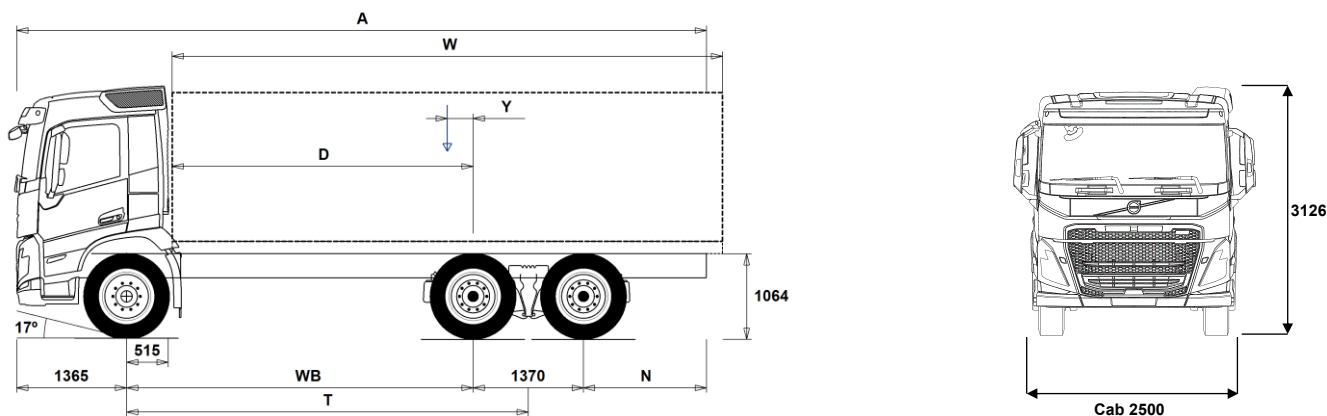


MODEL RANGE

FM D11 64 Rigid Diesel Rear Air FM 64R 1A



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.)	-165	-146	-100	-75	-25	22	48	87	133
Y Center of Gravity for Payload (Max.)	-165	-146	-100	-75	-25	22	48	87	133
W Body Length (Min.)	5598	5961	6469	6818	7519	8026	8572	9096	9802
W Body Length (Max.)	5598	5961	6469	6818	7519	8026	8572	9096	9802

Chassis Weights [kg]

Front Axle	4570	4605	4585	4595	4615	4605	4645	4655	4680
Rear Bogie	3300	3245	3330	3345	3395	3500	3445	3470	3510
Kerb Weight	7870	7850	7915	7940	8010	8105	8090	8125	8190
Payload (including body, driver, fuel, etc.)	18130	18150	18085	18060	17990	17895	17910	17875	17810

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 FM64R1A.

MODEL RANGE

FM D11 64 Rigid Diesel Rear Air FM 64R 1A

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
- **D11S330A** Diesel engine, Euro 6, 10.8 litres, 330 hp/246 kW, 1600 Nm
- ☐ **D11S380A** Diesel engine, Euro 6, 10.8 litres, 380 hp/279 kW, 1800 Nm
- ☐ **D11S430A** Diesel engine, Euro 6, 10.8 litres, 430 hp/317 kW, 2050 Nm
- ☐ **D11S460A** Diesel engine, Euro 6, 10.8 litres, 460 hp/338 kW, 2200 Nm
- ☐ **D11A330** Diesel engine, Euro 3, 10.8 litres, 330 hp/243 kW, 1600 Nm
- ☐ **D11A370** Diesel engine, Euro 3, 10.8 litres, 370 hp/273 kW, 1770 Nm
- ☐ **D11A430** Diesel engine, Euro 3, 10.8 litres, 430 hp/317 kW, 1970 Nm
- ☐ **D11C330** Diesel engine, Euro 4/5, 10.8 litres, 330 hp/243 kW, 1970 Nm
- ☐ **D11C370** Diesel engine, Euro 4/5, 10.8 litres, 370 hp/273 kW, 1750 Nm
- ☐ **D11C410** Diesel engine, Euro 4/5, 10.8 litres, 410 hp/302 kW, 1970 Nm
- ☐ **D11C450** Diesel engine, Euro 4/5, 10.8 litres, 450 hp/332 kW, 2150 Nm
- **D11K330** Diesel engine, Euro 6, 10.8 litres, 330 hp/243 kW
- ☐ **D11K380** Diesel engine, Euro 6, 10.8 litres, 380 hp/280 kW
- ☐ **D11K430** Diesel engine, Euro 6, 10.8 litres, 430 hp/317 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)
- **AT2412** I-Shift automated 12-speed gearbox, 2400 Nm
- ☐ **AT2612** I-Shift automated 12-speed gearbox, 2600 Nm
- ☐ **ATO2612** I-Shift automated 12-speed gearbox with overdrive, 2600 Nm
- ☐ **PT2106** Powertronic 6-speed powershift gearbox, 2100 Nm
- ☐ **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**
- ☐ **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
- ☐ **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-EEEF** Frame inner liner from end of engine to end of frame
- ☐ **FIL-FBEB** Frame inner liner from front of bogie to end of bogie
- ☐ **FIL-FBEF** Frame inner liner from front of bogie to end of frame
- ☐ **FIL-TXEB** Frame inner liner from transmission cross member to end of bogie
- ☐ **FIL-TXEF** Frame inner liner from transmission cross member to end of frame
- **BBOX-L** Battery box on left-hand side
- ☐ **2BAT210C** AGM batteries, 2x210 Ah
- **2BATT170** Batteries, 2x170 Ah
- ☐ **2BATT225** Batteries, 2x225 Ah
- **BATTAMP** Battery voltmeter and ammeter
- ☐ **BATTIND** Battery voltmeter, ammeter and battery status gauge with visual alerts
- ☐ **ADR1** ADR adaptation, 1 switch in dashboard

■ 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 D11 64 Rigid Diesel Rear Air FM 64R 1A

☐ ADR2	ADR adaptation, 1 switch in dashboard, 1 outside on back of cab	☐ C-RI4040	Coupling Ringfeder 4040A G-150
☐ MSWI-A	ADR main switch	☐ C-RI4045	Coupling Ringfeder 4045A G-150
☒ MSWI-C	Main switch on chassis	☐ C-RI5050	Coupling Ringfeder 5050A G-150
☐ MSWI-R	Key remote controlled main switch	☐ C-RO400G	Coupling Rockinger 400 G-150
☒ R405A71	Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l	☐ C-RO50	Coupling Rockinger 50 mm
☒ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 730l	☐ C-VBG520	Coupling VBG 5200D
☐ ADTP-L	AdBlue tank on left hand side	☐ C-VBG795	Coupling VBG 795V
☒ ADTP-R	AdBlue tank on right hand 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.
☐ ADB048	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side	☐ TREL-PK	Trailer electrical preparation kit (chassis/cab wiring)
☒ ADB064	AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	☐ TREL14	14-pin trailer connection
☐ ADB068	AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side	☐ TREL15	15-pin trailer connection (ADR certified)
☐ ADB083	AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side	☐ TREL7	7-pin trailer connection (ISO 24N)
☐ ADB090	AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side	☐ TREL7-7	2x7-pin trailer connection (ISO 24N+24S, non-ADR)
☐ ADB100	AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side	☐ TBC-EC	Trailer brake connection, European Community
☐ ADB112	AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side	☐ TRBR-HCF	Full-pressure, hand-controlled trailer brake check (8 bar)
☐ ADTC-BF	AdBlue tank cover, silver metallic	☐ TRBR-HCR	Reduced-pressure, hand-controlled trailer brake check (4 bar)
☒ FCAP-L	Lockable diesel and AdBlue filler caps	☐ TRBR-STA	Stationary trailer brake check
☒ FUFF-AS	Fuel filling anti-spillage device	☐ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
☐ FUFF-ATS	Fuel filling anti-theft and anti-spillage device	☐ RUP-FOLD	
☐ ESH-LEFT	Horizontal silencer, left exhaust outlet	☐ RFEND-B	Rear 3-piece mudguards (anti-spray) on all rear axles
☒ ESH-REAR	Horizontal silencer, rear exhaust outlet	☐ RFEND-T	Transport mudguard
☐ ESH-RIGH	Horizontal silencer, right exhaust outlet	☐ RFH-BAS	Basic mudguard installation height on 2nd front axle and rear axles
☐ ESH-VERT	Horizontal silencer, vertical exhaust outlet on right-hand side	☐ RFH-HIG	High mudguard installation height on 2nd front axle and rear axles
☐ ESV-VERT	Vertical silencer, vertical exhaust outlet on right-hand side	☐ RFH-LOW	Low mudguard installation height on 2nd front axle and rear axles
☐ EXST-SSP	Vertical exhaust top pipe, bright polished stainless steel	☐ AUXATNK	Extra air tank for air suspension
☐ EXST-ST	Vertical exhaust top pipe, aluminised steel	☐ ATANK-AL	Aluminium air tanks
☐ HS-NAR	Muffler heat shield (EATS), narrow	☒ ATANK-ST	Steel air tanks
☐ WHC-FIX2	Two non-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)
☒ WHC-FOL2	Two collapsible wheel chocks	☒ 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-F	Wheel chock holder in the front part of the vehicle		
☐ 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		
☐ 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		
☐ TOWMBRH	Towing member, high-mounted in centre of frame		
☐ TOWMBRL1	Towing member, low-mounted under frame		
☐ TOWMBRL2	Towing member, low and forward-mounted under frame		
☐ TOWMBRL3	Towing member, low and far-forward-mounted under frame		
☐ TOWMBRM	Towing member, medium-mounted in line with lower frame flange		
☐ RFEC-L	Tapered lower rear frame end (for centre axle drawbar)		
☒ 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)		

☒ 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
☐ 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-R	Spare wheel carrier mounted behind rear axle
☐ SWCP-T	Spare wheel transport-mounted on top of frame
☒ SWCP-TP	Spare wheel and carrier transport-mounted on top of frame

MODEL RANGE

FM D11 64 Rigid Diesel Rear Air FM 64R 1A

□ 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	■ 24A110BL □ 24A150BL □ 24AL110B □ 24AL150B	Alternator 110 Ampere Alternator 150 Ampere Alternator 110 Ampere Alternator 150 Ampere
□ 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	□ CCV-C □ CCV-O ■ CCV-OX	Closed crankcase ventilation Open crankcase ventilation Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge
■ 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	□ FUEQ-EH □ AF-E ■ AF-R ■ FUEFE2LW □ FUEFE2SW	Fuel line electric heater Electrically heated fuel filter Hot fuel recirculation heated fuel filter Large engine-mounted dual fuel filter with water separator and drain Small engine-mounted dual fuel filter with water separator and drain (for good fuel quality)
■ 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.	■ EST-AID □ 220EBH15 □ PTER-100 □ PTER-DIN □ PTER1400 □ HPE-F101 □ HPE-F41 □ HPE-F51 □ HPE-F61 □ HPE-F81 □ HPE-T53 □ HPE-T70 □ HPE-V45 □ HPE-V75	Engine intake air heater Engine block heater, 220 V, 1.5 kW Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646 Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653 Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647 Engine-mounted hydraulic pump F1-101, fixed displacement, single flow Engine-mounted hydraulic pump F1-41, fixed displacement, single flow Engine-mounted hydraulic pump F1-51, fixed displacement, single flow Engine-mounted hydraulic pump F1-61, fixed displacement, single flow Engine-mounted hydraulic pump F1-81, fixed displacement, single flow Engine-mounted hydraulic pump F2-53/53, fixed displacement, twin flow Engine-mounted hydraulic pump F2-70/35, fixed displacement, twin flow Engine-mounted hydraulic pump VP1-45, variable displacement, single flow Engine-mounted hydraulic pump VP1-75, variable displacement, single flow
■ INFLAHOS	Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately).	□ PTPT-D □ PTPT-F □ PTR-D □ PTR-DH □ PTR-DM □ PTR-F □ PTR-FH □ PTR-FL □ PTRD-D □ PTRD-D1 □ PTRD-D2 □ PTRD-F □ HPG-F101 □ HPG-F41	Gearbox PTO, 1 front/upper connection DIN 5462/ISO 7653 for plug-in pump, 850 Nm Gearbox PTO, 1 front/upper rear flange connection SAE 1410/ISO 7647 for propshaft, 850 Nm Gearbox low-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 1000 Nm Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm Gearbox high-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm Gearbox low-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow
□ GAUGE-TP	Tyre pressure gauge		
Powertrain equipment			
□ TRAP-HD	Reinforced gearbox range housing		
■ DRM-BE □ DRM-E	I-Shift drive modes Economy, Standard and Performance I-Shift drive mode Economy		
■ PVT-MTM	I-See		
■ CRUIS-E	I-Cruise cruise control, I-Roll included		
□ AMSO-AUT	I-Shift manual gear shifting available in automatic mode, including kick-down function		
□ AVO-ENH	I-Shift with enhanced software for construction and off-road applications		
□ APF-ENH	I-Shift with enhanced PTO functions (Auto neutral for p. brake/Reverse inhibit/Split box connection)		
□ RET-TH □ RET-TPT	Gearbox-mounted, hydrodynamic oil retarder Gearbox-mounted Powertronic primary retarder		
□ TC-HWO □ TC-MAOH2	Cooler for hydraulic gearboxes - water/oil Extra high performance cooler for manual/I-shift gearboxes - air/oil		
■ TC-MWO	Basic performance cooler for manual/I-Shift gearboxes - water/oil		
□ TC-MWOH2	High performance cooler for manual/I-Shift gearboxes - water/oil		
□ 2COM1080 □ 2COM1100 ■ 2COMP870 □ 2COMP900	Dual-cylinder air compressor 704 cc, 1080 l/min Dual-cylinder air compressor 760 cc, 1100 l/min Dual-cylinder, two-stage air compressor 560 cc, 870 l/min Dual-cylinder air compressor 636 cc, 900 l/min		
□ CLU-AIRC	Air compressor clutch with automatic declutching when not needed, to save fuel		
■ AIRIN-HI □ AIRIN-LO	High air inlet Low air inlet		
□ ACL1ST-S	Air cleaner with extra filter element		

■ Standard Equipment

□ Optional Equipment

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MODEL RANGE

FM D11 64 Rigid Diesel Rear Air FM 64R 1A

- **HPG-F51** Gearbox-mounted hydraulic pump F1-51, fixed displacement, single flow
- **HPG-F61** Gearbox-mounted hydraulic pump F1-61, fixed displacement, single flow
- **HPG-F81** Gearbox-mounted hydraulic pump F1-81, fixed displacement, single flow

Cab Interior, Driving

- **STWPOS-L** Left-hand drive
- **STWPOS-R** Right-hand drive
- **STWM-LE** Steering wheel material leather
- **STGW-AD2** Manually adjustable steering wheel with neck tilt
- **STGW-ADJ** Manually adjustable steering wheel
- **AIRBAG** Airbag on driver's side
- **DRC-AMII** Regeneration control for DPF, initiation: automatic or manual, inhibition: manual
- **DRC-AUTO** Regeneration control for DPF, fully automatic (in motion)
- **1DAYB** One-day analogue tachograph, basic
- **TAC-PK2** Preparation kit for tachograph
- **ARSL** Additional road speed limiter control (switch in dashboard)
- **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
- **RSENS-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
- **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

■ 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 D11 64 Rigid Diesel Rear Air FM 64R 1A

☐ ETSB-RS	Storage immersed in RH side of engine tunnel and at back against rear cab wall	☒ SUNV-H	Exterior front sun visor, transparent dark-grey
☐ ETSB-S	Storage immersed in RH side of engine tunnel	☐ AD-ROOF	Roof air deflector
☐ RUS-BAS	Storage in rear upper cab, 154 litres (300 mm high)	☐ AD-SIDES	Cab side air deflectors, short
☐ RUS-HIG	Storage in rear upper cab, 245 litres (440 mm high)	☒ HL-BASIC	Halogen H7 headlamps
☐ REF-ICPK	Preparation kit for refrigerator	☐ HL-LED	LED headlamps
☐ REFR-RUS	Refrigerator 28-litre, with dividers, on rear upper wall	☐ HBDA-A	Automatic main beam deactivation and reactivation
☐ MICRO-PK	Preparation kit for microwave oven (electrical cables to front shelf)	☐ HL-CLEAN	High-pressure headlamp cleaner
☒ BOTH-D	One bottle holder under dashboard centre section	☐ HLP-ST	Steel headlamp protectors (steel and plastic for FMX)
☐ COFMA-PK	Preparation kit (24 V) for coffee maker	☐ HL-ADJ	Manually adjustable headlamp beam
☒ INLI-BAS	Interior white light with smooth light transition at on/off, no dimming	☒ DRL-LED	Daytime running lamps (LED)
☐ INLI-NL	Interior white and red (night) light with smooth light transition at on/off	☐ UDRL	Without daytime running lamps
☐ INLI-NLD	Interior white and red (night) light with smooth light transition at on/off and dimmer	☐ DRIVL2	Extra main beam
☐ ARL-FLEX	Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls	☒ UDRVL	Without extra main beam
☒ RH-EE	Roof skylight/emergency exit, tinted glass (not a hatch)	☒ FOGL-WC	White front fog lamps
☐ RH-ER	Roof hatch, electrically operated, steel, with emergency exit handle	☐ CL-STAT	Static cornering lights
☐ RH-ETR	Roof hatch, electrically operated, tinted glass, rear opening 50 mm	☐ ASL-RF2	Two LED spot lamps in sign box
☐ RH-MTR	Roof hatch, manually operated, tinted glass, rear opening 50 mm	☐ IDLAMP-A	Three amber identification lamps on mid front roof
☒ GLAS-TIN	Tinted windows	☐ IDLAMP-W	Three white identification lamps on mid front roof
☒ GLAS-UNT	Untinted windows	☐ IDLMPSW	Switch in cab for identification lamps
☐ SWIND-BS	Rear side window on both sides	☐ BEACOA2F	Two amber LED beacons on cab front roof
☐ SWIND-PS	Rear side window on passenger side	☐ BEACOA2R	Two amber LED beacons on cab rear roof
☐ AWIND-RF	Fixed window in back of cab (without curtains)	☐ BEACON-P	Preparation kit for roof beacons
☐ VANMIR	Vanity mirror in front shelf lid	☐ BEACONA4	Four amber LED beacons on roof - two on front, two on rear
☐ AS-FUS	One extra shelf in each of the two front upper storage compartments	☐ CABPT-R1	One front cab roof pass-through on passenger side
☐ INFOT-PK	Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	☐ CABPT-R2	Two front cab roof pass-throughs, one on each side
Cab exterior		☐ SPOTP-F	Preparation kit for spot lamp in cab front, max 280 W
☐ EXTL-BA2	Exterior trim level basic 2	☐ SPOTP-R	Preparation kit for spot lamp in cab roof, max 280 W
☒ EXTL-BAS	Exterior trim level basic	☐ SPOTP-RF	Preparation kit for spot lamp in cab roof and front, max 280 W
☒ DGLAS-H	Tempered door window glass	☐ ROS-IL	Roof sign illumination
☐ DGLAS-L	Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation.	☐ ROS-IL2	Preparation kit for installation of roof sign illumination
☐ BUMP-B	Plastic front bumper	☐ ROS-ILP	Wiring kit for roof sign illumination
☐ BUMP-B2	Steel front bumper	☐ CSGN-GTR	Globetrotter decal in the roof sign box
☐ BUMP-SP	Front bumper spoiler	☒ HORN-F1S	Single-tone Jericho horn behind grille, operated by steering wheel buttons
☐ GUARD-EH	Guard plate for cooling pipes and oil sump	☐ HORN-R2S	Two chromed single-tone air horns on the roof, operated by steering wheel buttons
☒ BUGNET	Insect screen (PVC-coated fibreglass) in front of radiator	☐ ANT-CBR	Preparation kit for communication/CB radio: roof-mounted single antenna and wiring
☒ CTILT-P-E	Electric cab tilt pump	☐ ACCBP-AP	Accessory brackets mounted on front roof, midroof and rear roof
☐ FCABS-A	Air front cab suspension	☐ ACCBP-F	Accessory bracket mounted on front roof
☒ FCABS-M	Mechanical front cab suspension	☐ ACCBP-FM	Accessory brackets mounted on front roof and midroof
☐ RCABS-A	Air rear cab suspension	☐ ACCBP-FR	Accessory brackets mounted on front and rear roof
☒ RCABS-M	Mechanical rear cab suspension	☐ ACCBP-M	Accessory bracket mounted on midroof
☐ MIRCFPCS	Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH)	☐ ACCBP-R	Accessory brackets mounted on mid-roof and rear roof
☐ MIRCMCP	Camera Monitor System and passenger corner camera	☐ ACCBP-RM	Accessory bracket mounted on rear roof
☐ MIRCMS	Camera Monitor System	Superstructure preparations	
☒ MIRCOMF	Rear-view and wide-angle mirrors (both sides), kerb observation mirror	☐ CROSSRE	Cross reinforcement of frame for swap body
☒ 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)
		☐ 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)

☒ Standard Equipment

☐ Optional Equipment

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MODEL RANGE

FM D11 64 Rigid Diesel Rear Air FM 64R 1A

- **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
- **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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