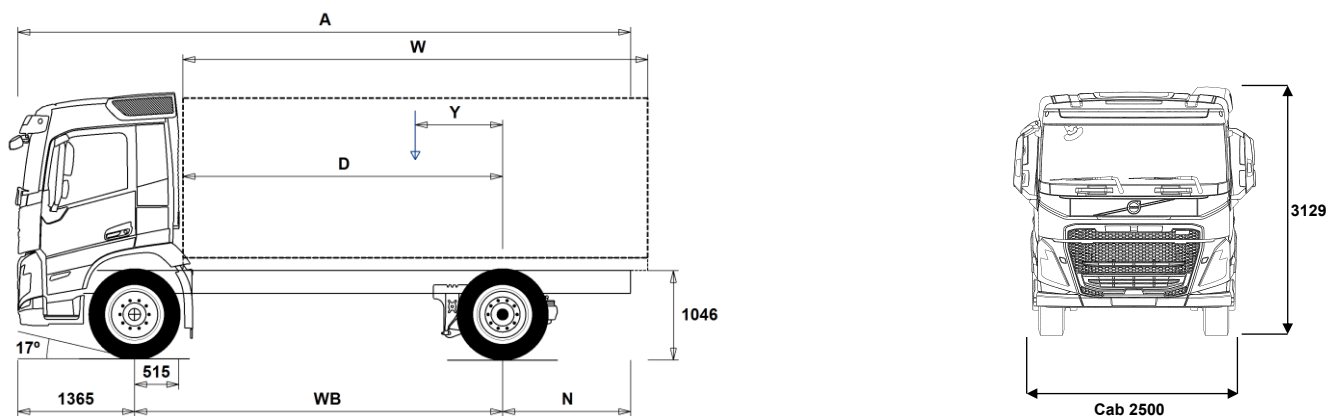


MODEL RANGE

FM D11 42 Rigid Diesel Rear Air FM 42R 1A



Chassis Dimensions [mm]

WB Wheelbase	3400	3700	4000	4300	4600	4900	5200	5600	6000	6300	6500	6700
A Overall Chassis Length	6660	7110	7510	8010	8510	8960	9460	10060	10660	11210	11560	11810
D Center of rear axle to front of body	2835	3135	3435	3735	4035	4335	4635	5035	5435	5735	5935	6135
N Rear Overhang (Min.)	795	795	795	795	795	795	1395	1395	1395	1395	1395	1395
N Rear Overhang (Max.)	1895	2045	2145	2345	2545	2695	2895	3095	3295	3545	3695	3745
Y Center of Gravity for Payload (Min.)	330	364	395	429	459	492	525	564	603	630	652	667
Y Center of Gravity for Payload (Max.)	487	536	582	630	675	722	771	830	889	933	964	990
W Body Length (Min.)	4698	5200	5709	6213	6722	7227	7731	8412	9095	9607	9944	10070
W Body Length (Max.)	5012	5543	6081	6614	7154	7689	8222	8944	9667	10070	10070	10070

Chassis Weights [kg]

Front Axle	4455	4440	4440	4435	4440	4435	4430	4440	4450	4460	4460	4470
Rear Axle	1740	1780	1820	1860	1910	1940	1975	2020	2060	2115	2135	2155
Kerb Weight	6195	6220	6260	6295	6350	6375	6405	6460	6510	6575	6595	6625
Payload (including body, driver, fuel, etc.)	10805	10780	10740	10705	10650	10625	10595	10540	10490	10425	10405	10375

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	12400	13400	14300	15200	16100	17000	17900	19200	20400	21300	21900	22500
Turning Circle Diameter Wall to Wall	13800	14800	15700	16600	17500	18400	19400	20600	21800	22700	23300	23900

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	17000	20100
Gross Combination Weight	0	44000
Front Axle	6000	7100
Rear Axle	11500	13000

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-MED.

Rear overhang used for vehicle weight calculation is the maximum rear overhang (N Max.) for selected wheelbase.

Height change when chassis height CHH-HIGH,FRAME300: +17 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 FM42R1A.

MODEL RANGE

FM D11 42 Rigid Diesel Rear Air FM 42R 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.
- **TIPP-PRE** Tipper vehicle preparation
- **UNIFORM** Basic platform vehicle

Core components

- **CHH-HIGH** Chassis height high - approx. 1000 mm above ground level
- **CHH-LOW** Chassis height low - approx. 850 mm above ground level
- **CHH-MED** Chassis height medium - approx. 900 mm above ground level
- **RAD-GR** Rear air suspension - one axle, 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
- **RS11370F** Rear hub reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version F
- **RSS1344C** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version C
- **RSS1344F** Rear single reduction solo axle - axle load 13 tonnes, GCW 44 tonnes, version F
- **RSS1352B** Rear single reduction solo axle - axle load 13 tonnes, GCW 52 tonnes, version B
- **RSS1370B** Rear single reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version B
- **RSS1370C** Rear single reduction solo axle - axle load 13 tonnes, GCW 70 tonnes, version C

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
- **RAL11.5** Rear axle load 11.5 tonnes
- **RAL13** Rear axle load 13 tonnes
- **RSTAB3** Rear anti-roll bar, extra-high stiffness
- **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
- **FST6060** Frame thickness - web 6.0 mm / flange 6.0 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-TXEB** Frame inner liner from transmission cross member to end of bogie
- **FIL-TXEF** Frame inner liner from transmission cross member to end of frame
- **BBOX-L** Battery box on left-hand side
- **2BAT210C** AGM batteries, 2x210 Ah
- **2BATT170** Batteries, 2x170 Ah
- **2BATT225** Batteries, 2x225 Ah
- **BATTAMP** Battery voltmeter and ammeter
- **BATTIND** Battery voltmeter, ammeter and battery status gauge with visual alerts
- **ADR1** ADR adaptation, 1 switch in dashboard
- **ADR2** ADR adaptation, 1 switch in dashboard, 1 outside on back of cab
- **MSWI-A** ADR main switch
- **MSWI-C** Main switch on chassis
- **MSWI-R** Key remote controlled main switch

■ Standard Equipment

□ Optional Equipment

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FM D11 42 Rigid Diesel Rear Air FM 42R 1A

■ R405A71	Right 405-litre, D-shaped aluminium fuel tank, 710 mm high Min volume 255l Max volume 810l	□ C-VBG520 □ C-VBG795	Coupling VBG 5200D Coupling VBG 795V
■ UL-FUEL	Without left side fuel tank Min volume 160l Max volume 730l	□ 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.
□ ADTP-L ■ ADTP-R	AdBlue tank on left hand side AdBlue tank on right hand side	□ TREL-PK □ TREL14 □ TREL15 □ TREL7 □ TREL7-7	Trailer electrical preparation kit (chassis/cab wiring) 14-pin trailer connection 15-pin trailer connection (ADR certified) 7-pin trailer connection (ISO 24N) 2x7-pin trailer connection (ISO 24N+24S, non-ADR)
□ ADB048	AdBlue tank: usable volume 48 litres, 560 mm high, mounted on chassis side	□ TBC-EC	Trailer brake connection, European Community
■ ADB064	AdBlue tank: usable volume 64 litres, 710 mm high, mounted on chassis side	□ TRBR-HCF □ TRBR-HCR □ TRBR-STA	Full-pressure, hand-controlled trailer brake check (8 bar) Reduced-pressure, hand-controlled trailer brake check (4 bar) Stationary trailer brake check
□ ADB068	AdBlue tank: usable volume 68 litres, 560 mm high, mounted on chassis side	□ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
□ ADB083	AdBlue tank: usable volume 83 litres, 560 mm high, mounted on chassis side	□ RUP-FOLD	
□ ADB090	AdBlue tank: usable volume 90 litres, 710 mm high, mounted on chassis side	□ RFEND-B □ RFEND-T	Rear 3-piece mudguards (anti-spray) on all rear axles Transport mudguard
□ ADB100	AdBlue tank: usable volume 100 litres, 710 mm high, mounted on chassis side	□ RFH-BAS □ RFH-HIG	Basic mudguard installation height on 2nd front axle and rear axles High mudguard installation height on 2nd front axle and rear axles
□ ADB112	AdBlue tank: usable volume 112 litres, 710 mm high, mounted on chassis side	□ RFH-LOW	Low mudguard installation height on 2nd front axle and rear axles
□ ADTC-BF	AdBlue tank cover, silver metallic	□ ATANK-AL ■ ATANK-ST	Aluminium air tanks Steel air tanks
■ FCAP-L	Lockable diesel and AdBlue filler caps	□ 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)
■ FUFF-AS □ FUFF-ATS	Fuel filling anti-spillage device Fuel filling anti-theft and anti-spillage device	■ 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 .
□ ESH-LEFT ■ ESH-REAR □ ESH-RIGH □ ESH-VERT □ ESV-VERT	Horizontal silencer, left exhaust outlet Horizontal silencer, rear exhaust outlet Horizontal silencer, right exhaust outlet Horizontal silencer, vertical exhaust outlet on right-hand side Vertical silencer, vertical exhaust outlet on right-hand side		
□ EXST-SSP □ EXST-ST	Vertical exhaust top pipe, bright polished stainless steel Vertical exhaust top pipe, aluminised steel		
□ HS-NAR	Muffler heat shield (EATS), narrow		
□ WHC-FIX1 □ WHC-FIX2 □ WHC-FOL1 ■ WHC-FOL2	One non-collapsible wheel chock Two non-collapsible wheel chocks One collapsible wheel chock Two collapsible wheel chocks		
□ WHCP-F □ WHCP-M □ WHCP-R ■ WHCP-T	Wheel chock holder in the front part of the vehicle Wheel chock holder in the middle part of the vehicle Wheel chock holder in the rear part of the vehicle Wheel chock holder by-packed in cab outer luggage compartment		
□ 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 □ TOWF-NO2	One front towing device Two front towing devices		
□ TOWMBRH □ TOWMBRL1 □ TOWMBRL2 □ TOWMBRL3 □ TOWMBRM	Towing member, high-mounted in centre of frame Towing member, low-mounted under frame Towing member, low and forward-mounted under frame Towing member, low and far-forward-mounted under frame Towing member, medium-mounted in line with lower frame flange		
□ RFEC-L ■ RFEC-S □ RFEC-U	Tapered lower rear frame end (for centre axle drawbar) Straight-cut rear frame end Upper corner cut on rear frame end (for e.g. tipper, refuse and hook lift applications)		
□ C-RI4040 □ C-RI4045 □ C-RI5050 □ C-RO400G □ C-RO50	Coupling Ringfeder 4040A G-150 Coupling Ringfeder 4045A G-150 Coupling Ringfeder 5050A G-150 Coupling Rockinger 400 G-150 Coupling Rockinger 50 mm		
		□ C-WBG520 □ C-WBG795	Coupling VBG 5200D Coupling VBG 795V
		□ 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.
		□ TREL-PK □ TREL14 □ TREL15 □ TREL7 □ TREL7-7	Trailer electrical preparation kit (chassis/cab wiring) 14-pin trailer connection 15-pin trailer connection (ADR certified) 7-pin trailer connection (ISO 24N) 2x7-pin trailer connection (ISO 24N+24S, non-ADR)
		□ TBC-EC	Trailer brake connection, European Community
		□ TRBR-HCF □ TRBR-HCR □ TRBR-STA	Full-pressure, hand-controlled trailer brake check (8 bar) Reduced-pressure, hand-controlled trailer brake check (4 bar) Stationary trailer brake check
		□ TRB-STRE	Stretch brake, trailer brake activation at low speeds to avoid jack-knifing and improve stability
		□ RUP-FOLD	
		□ RFEND-B □ RFEND-T	Rear 3-piece mudguards (anti-spray) on all rear axles Transport mudguard
		□ RFH-BAS □ RFH-HIG	Basic mudguard installation height on 2nd front axle and rear axles 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 ■ ATANK-ST	Aluminium air tanks 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/s ² or more. The function deactivates when retardation is less than 2.5 m/s ² .
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 ■ SPWT-F	Spare driving wheel Spare front wheel
		□ SWCP-LF □ SWCP-R □ SWCP-T ■ SWCP-TP	Spare wheel carrier on left side in front

■ Standard Equipment □ Optional Equipment

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MODEL RANGE

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□ 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. ■ 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 ■ 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. ■ INFLAHOS Tyre inflation hose 18 m. The air is supplied by a chassis-mounted pneumatic outlet (must be ordered separately). □ GAUGE-TP Tyre pressure gauge	■ CCV-OX Open extended crankcase ventilation with oil separator and maintenance-free gas centrifuge □ FUEQ-EH Fuel line electric heater □ AF-E Electrically heated fuel filter ■ AF-R Hot fuel recirculation heated fuel filter ■ 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) ■ EST-AID Engine intake air heater □ 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 □ PTR-DH Gearbox high-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm □ PTR-DM Gearbox medium-speed PTO, 1 rear connection DIN 5462/ISO 7653 for plug-in pump, 600 Nm □ PTR-F Gearbox low-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 1000 Nm □ PTR-FH Gearbox high-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm □ PTR-FL Gearbox low-speed PTO, 1 rear flange connection SAE 1310/ISO 7647 for propshaft, 600 Nm □ PTRD-D Gearbox high-speed PTO, 1 rear + 1 front DIN 5462/ISO 7653 for plug-in pumps, 870 Nm □ PTRD-D1 Gearbox high-speed PTO, 1 rear SAE 1410/ISO 7647, 1 front DIN5462/ISO7653, 870 Nm □ PTRD-D2 Gearbox PTO, 2 rear hi/lo-speed SAE1310/1410/ISO7647, 1 front hi-speed DIN5462/ISO7653, 870/1000 Nm □ PTRD-F Gearbox high-speed PTO, 1 rear flange connection SAE 1410/ISO 7647 for propshaft, 870 Nm □ HPG-F101 Gearbox-mounted hydraulic pump F1-101, fixed displacement, single flow □ HPG-F41 Gearbox-mounted hydraulic pump F1-41, fixed displacement, single flow □ 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
Powertrain equipment □ TRAP-HD Reinforced gearbox range housing ■ DRM-BE I-Shift drive modes Economy, Standard and Performance □ DRM-E 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 Gearbox-mounted, hydrodynamic oil retarder □ RET-TP Gearbox-mounted Powertronic primary retarder □ TC-HWO Cooler for hydraulic gearboxes - water/oil □ TC-MAOH2 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 Dual-cylinder air compressor 704 cc, 1080 l/min □ 2COM1100 Dual-cylinder air compressor 760 cc, 1100 l/min ■ 2COMP870 Dual-cylinder, two-stage air compressor 560 cc, 870 l/min □ 2COMP900 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 High air inlet □ AIRIN-LO Low air inlet □ ACL1ST-S Air cleaner with extra filter element ■ 24A110BL Alternator 110 Ampere □ 24A150BL Alternator 150 Ampere □ 24AL110B Alternator 110 Ampere □ 24AL150B Alternator 150 Ampere □ CCV-C Closed crankcase ventilation □ CCV-O Open crankcase ventilation	

■ Standard Equipment

□ Optional Equipment

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Cab Interior, Driving

MODEL RANGE

FM D11 42 Rigid Diesel Rear Air FM 42R 1A

■ STWPOS-L	Left-hand drive	□ AIDKIT1B	First aid kit containing sticking plaster, compresses, elastic bandages, gloves, scissors, triangular bandage, bandaging cloths, adhesive tape and rescue sheet (German requirements)
□ STWPOS-R	Right-hand drive	□ WARNLAMP	Portable amber and white warning lamp with batteries
□ STWM-LE	Steering wheel material leather	□ LAMP-IN	Inspection lamp with 10 m cable
□ STGW-AD2	Manually adjustable steering wheel with neck tilt	□ BULBKIT	Bulb and fuse kit
■ STGW-ADJ	Manually adjustable steering wheel	□ WRITEPAD	Writing pad with paper clamp
□ AIRBAG	Airbag on driver's side	Cab Interior, Living	
□ DRC-AMII	Regeneration control for DPF, initiation: automatic or manual, inhibition: manual	□ DST-CF1	Driver's seat Comfort
■ DRC-AUTO	Regeneration control for DPF, fully automatic (in motion)	■ DST-CF4	Driver's seat Comfort, belt in seat
□ 1DAYB	One-day analogue tachograph, basic	□ DST-CF5	Driver's seat Comfort, belt in seat, heated, adjustable lumbar&side support, extendable seat cushion
■ TAC-PK2	Preparation kit for tachograph	□ DST-CF6	Driver's seat Comfort, belt in seat, heated, ventilated
□ ARSL	Additional road speed limiter control (switch in dashboard)	□ SBD-RED	Red safety belts, passenger and driver seats
■ ESP-BAS1	ESP for tractor combinations with ABS/EBS or rigid vehicles/combinations with std center of gravity	□ SBPRE-DS	Driver's seat belt pretensioner
□ ESPC-RO	Electronic stability program functionality control, switch - On/Reduced/Off	□ PST-BAS1	Passenger seat Basic, non-suspended
□ HWSS-ACB	Adaptive cruise control with forward collision warning (stationary and moving objects) and emergency braking. Using both radar and camera to collect info.	■ PST-CF4	Passenger seat Comfort, suspended, belt in seat
□ HWSS-FCB	Collision Warning with Emergency Brake (forward)	□ PST-CF5	Passenger seat Comfort, suspended, belt in seat, electrically heated
□ LSS-DW	Lane Keeping Support - lane departure warning	□ PST-STD2	Passenger seat Regular, non-suspended
□ LSS-DW3	Pilot Assist - active, continuous lane keeping	□ PST-STD4	Passenger seat Regular, suspended
□ LCS2	Side Collision Avoidance Support, passenger side collision warning (sound and visual information), passenger side	□ SBPRE-PS	Passenger seat belt pretensioner
□ LCS3	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, passenger side	□ ARMRE-BB	Two armrests on both driver's and passenger seats
□ LCS5	Active Side Collision Avoidance Support, Collision Warning (sound and visual information) with Emergency Brake, both sides	□ ARMRE-DB	Two armrests on driver's seat
□ DAS-W	Driver Alert Support	□ ARMRE-PB	Two armrests on passenger seat
□ RSENS-W	Wipers rain sensor	□ ARU-BAS	Vinyl armrest upholstery
□ CU-ECC	Automatic climate control with sun sensor	□ ARU-LEA	Leather armrest upholstery
□ CU-ECC2	Automatic climate control with sun sensor, humidity sensor, air quality sensor and carbon filter	■ FMAT-RUB	Black rubber floor mats
■ CU-MCC	Manual climate control (heater/cooler function)	□ FMAT-TX2	Two textile (dark grey on FH/FM/FMX, black on FH16) and two black rubber floor mats
■ IGT-BUT	Push-button ignition	□ LBK70	Lower fixed bed 2000x700 mm, non-foldable, safety net included
□ IMMOBIL	Immobiliser	□ MATL-FI	Mattress lower bed firm, pocket springs, recommended for body weight over 100 kg
□ ALARM-E	Anti-theft alarm for cab, superstructure and trailer	□ MATL-SF	Mattress lower bed semi-firm, pocket springs, recommended for body weight up to 100 kg
□ PHONE-PK		□ OLMAT-BA	Overlay mattress, 28 mm thick black textile
□ ISUNS-BS	Side interior roller blind on both sides, manually manoeuvred	□ OLMAT-PR	Overlay mattress Premium, 35 mm thick black textile
■ ISUNS-DS	Side interior roller blind on driver's side, manually manoeuvred	□ TBK60F	Fixed top bed 600x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
□ ISUNF-B		□ TBK70F	Fixed top bed 700x1900 mm, foldable up to 52° (depending on cab & upper storage), net included
□ ISUNF-MD		□ PH-CAB2	Cab parking heater, 2 kW
□ ISUNF-RE	Interior roller blind, integrated in front shelf, electrically manoeuvred	□ PH-ENGCA	Engine and cab parking heater
■ ISUNF-RM	Interior roller blind, integrated in front shelf, manually manoeuvred	□ PH-SS	Short stop cab heater
□ ADFS	Two extra DIN slots in front shelf, 165x40x180 mm (W x H x D)	□ SLCP-BAS	Basic sleeper control panel (interior light, parking heater, roof hatch, door locks)
■ BUPALARM	Reversing warning	□ ETSB-F	Storage at front of engine tunnel
□ LOADIND	Load indicator, shown in instrument display and side display	□ ETSB-FR	Storage at back of engine tunnel and at back, against rear cab wall
□ REMC-MF	Wireless remote control, multi-functional	□ ETSB-FRS	Storage at front of engine tunnel and immersed in RH side of tunnel
■ FIREXT3S	Fire extinguisher 3 kg, Swedish/English decal	□ ETSB-FS	Storage at back of engine tunnel, at back against rear cab wall and immersed in RH side of tunnel
■ WARNVEST	Reflective vest, fulfils European standard EN 471 class 2	□ ETSB-R	Storage at back of engine tunnel, against rear cab wall
■ WARNTRI2	Two warning triangles	□ ETSB-RS	Storage immersed in RH side of engine tunnel and at back against rear cab wall
□ AIDKIT	First aid kit containing sticking plaster, washing and drying pads, compresses, elastic bandages, respiratory mask, gloves and scissors.	□ 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

■ Standard Equipment

□ Optional Equipment

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□ MICRO-PK Preparation kit for microwave oven (electrical cables to front shelf) ■ BOTH-D One bottle holder under dashboard centre section □ COFMA-PK Preparation kit (24 V) for coffee maker ■ INLI-BAS Interior white light with smooth light transition at on/off, no dimming □ INLI-NL Interior white and red (night) light with smooth light transition at on/off □ INLI-NLD Interior white and red (night) light with smooth light transition at on/off and dimmer □ ARL-FLEX Two (driver and passenger side) LED reading lamps with flexible arms, mounted on sidewalls ■ RH-EE Roof skylight/emergency exit, tinted glass (not a hatch) □ RH-ER Roof hatch, electrically operated, steel, with emergency exit handle □ RH-ETR Roof hatch, electrically operated, tinted glass, rear opening 50 mm □ RH-MTR Roof hatch, manually operated, tinted glass, rear opening 50 mm ■ GLAS-TIN Tinted windows □ GLAS-UNT Untinted windows □ SWIND-BS Rear side window on both sides □ SWIND-PS Rear side window on passenger side □ AWIND-RF Fixed window in back of cab (without curtains) □ VANMIR Vanity mirror in front shelf lid □ AS-FUS One extra shelf in each of the two front upper storage compartments □ INFOT-PK Preparation kit (bracket, security straps, and antenna cable) for mounting of TV above driver door	□ HBDA-A Automatic main beam deactivation and reactivation □ HL-CLEAN High-pressure headlamp cleaner □ HLP-ST Steel headlamp protectors (steel and plastic for FMX) □ HL-ADJ Manually adjustable headlamp beam ■ DRL-LED Daytime running lamps (LED) □ UDRL Without daytime running lamps □ DRIVL2 Extra main beam ■ UDRIVL Without extra main beam ■ FOGL-WC White front fog lamps □ CL-STAT Static cornering lights □ ASL-RF2 Two LED spot lamps in sign box □ IDLAMP-A Three amber identification lamps on mid front roof □ IDLAMP-W Three white identification lamps on mid front roof □ IDLMPSW Switch in cab for identification lamps □ BEACOA2F Two amber LED beacons on cab front roof □ BEACOA2R Two amber LED beacons on cab rear roof □ BEACON-P Preparation kit for roof beacons □ BEACONA4 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 □ ANT-CBR Preparation kit for communication/CB radio: roof-mounted single antenna and wiring □ ACCBP-AP Accessory brackets mounted on front roof, midroof and rear roof □ ACCBP-F Accessory bracket mounted on front roof □ ACCBP-FM Accessory brackets mounted on front roof and midroof □ ACCBP-FR Accessory brackets mounted on front and rear roof □ ACCBP-M Accessory bracket mounted on midroof □ ACCBP-R Accessory brackets mounted on mid-roof and rear roof □ ACCBP-RM Accessory bracket mounted on rear roof
Cab exterior	
□ EXTL-BA2 Exterior trim level basic 2 ■ EXTL-BAS Exterior trim level basic ■ DGLAS-H Tempered door window glass □ DGLAS-L Laminated window glass in doors. The glass can crack, but retains its protective effect. It also provides better sound insulation. □ BUMP-B Plastic front bumper ■ BUMP-B2 Steel front bumper □ BUMP-SP Front bumper spoiler □ GUARD-EH Guard plate for cooling pipes and oil sump ■ BUGNET Insect screen (PVC-coated fibreglass) in front of radiator ■ CTILT-P-E Electric cab tilt pump □ FCABS-A Air front cab suspension ■ FCABS-M Mechanical front cab suspension □ RCABS-A Air rear cab suspension ■ RCABS-M Mechanical rear cab suspension □ MIRCFPCS Rear-view and wide-angle mirrors (both sides), passenger corner camera (FM, FH) □ MIRCMCP Camera Monitor System and passenger corner camera □ MIRCMS Camera Monitor System ■ MIRCOMF Rear-view and wide-angle mirrors (both sides), kerb observation mirror ■ AMIR-F20 Front close-view mirror above windscreen, passenger side (radius 200 mm) ■ SUNV-H Exterior front sun visor, transparent dark-grey □ AD-ROOF Roof air deflector □ AD-SIDES Cab side air deflectors, short ■ HL-BASIC Halogen H7 headlamps □ HL-LED LED headlamps	□ 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 2 white LED work lamps, high-mounted on back of cab (switch included) □ WLC-H2W 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
Superstructure preparations	
□ 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 2 white LED work lamps, high-mounted on back of cab (switch included) □ WLC-H2W 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	

■ Standard Equipment

□ Optional Equipment

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- **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)