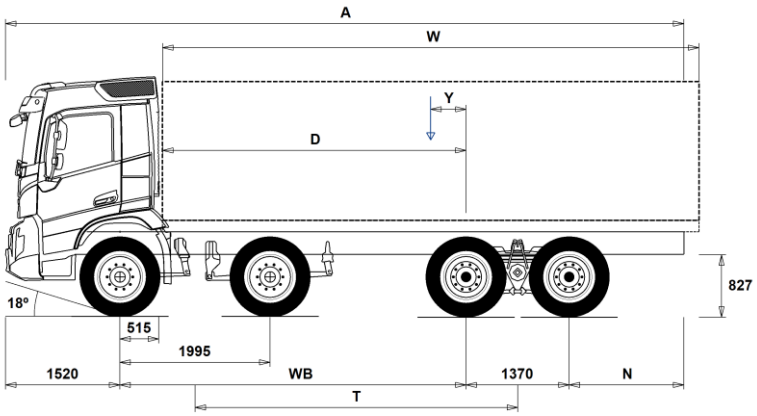
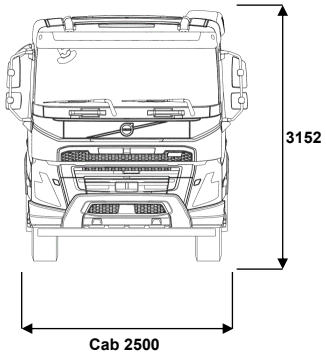
VOLVO

MODEL RANGE

FMX11 8x4 Rigid Leaf Suspension FMX 84RF 1L





Chassis Dimensions [mm]

WB	Wheelbase	4600	5100	5600
A	Overall Chassis Length	10015	10815	11565
D	Center of rear axle to front of body	4035	4535	5035
N	Rear Overhang (Min.)	825	715	715
N	Rear Overhang (Max.)	2525	2825	3075
T	Theoretical Wheelbase	4288	4788	5288
Y	Center of Gravity for Payload (Min.)	433	577	721
Y	Center of Gravity for Payload (Max.)	433	577	721
W	Body Length (Min.)	7205	7916	8627
W	Body Length (Max.)	7205	7916	8627

Chassis Weights [kg]

Front Axles	6295	6265	6245
Rear Bogie	3160	3280	3375
Kerb Weight	9455	9545	9620
Payload (including body, driver, fuel, etc.)	18045	17955	17880

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	19000	20600	22200
Turning Circle Diameter Wall to Wall	20500	22100	23700

Plated Weights [kg]	Plated	Design
Gross Vehicle Weight	27500	39000
Gross Combination Weight	40500	44000
Front Axles	11000	13000
Rear Bogie	16500	26000

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.

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 ± 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 FMX84RF1L.

Ref: FMX 84RF 1L 16 AUS 2024-02-28 ENGAU

VOLVO

MODEL RANGE

FMX11 8x4 Rigid Leaf Suspension FMX 84RF 1L

Core components

■	CHH-HIGH	Chassis Height (high) approx. 1025-1050mm (depending on tyre selection)
□	CHH-XHIG	Chassis Height (extra high) approx. 1100-1162mm (depending on tyre selection)
■	RADD-TR1	Multi leaf spring rear suspension
□	RADD-TR2	Rear leaf suspension 90 mm T-Ride spring
■	FMX-DAY6	Day Cab
□	FMX-HSL6	Globetrotter Cab
□	FMX-LDA6	Low Day Cab
□	FMX-LSL6	Low Sleeper Cab
□	FMX-SLP6	Sleeper Cab
■	EU5SCR-M	Eu5 SCR Selective Catalytic Reduction (mandatory)
□	EU6SCR	Eu6 SCR (Particulate Filter + EGR) Single Stage Turbo
□	D11S380A	Eu6 Fuelface 11 litre 380hp engine
□	D11S430A	Eu6 Fuelface 11 litre 430hp engine
□	D11S460A	Eu6 Fuelface 11 litre 460hp engine
□	D11C330	Eu5 11 litre engine 330hp/1600 Nm/243kW
■	D11C370	Eu5 11 litre engine 370hp/1750 Nm/272kW
□	D11C410	Eu5 11 litre engine 410hp/1950 Nm/302kW
□	D11C450	Eu5 11 litre engine 450hp/2150 Nm/332kW
□	D11K330	Eu6 11 litre engine 330hp/1600nm/245kW
□	D11K380	Eu6 11 litre engine 380hp/1800nm/280kW
□	D11K430	Eu6 11 litre engine 430hp/2050nm/317kW
□	D11K460	Eu6 11 litre engine 460hp/2200nm/339kW
■	EBR-VEB	Volvo Engine Brake (VEB)
■	AT2612	Volvo I-shift-12 speed automatic transmission (2600nm)
□	PT2106	Powertronic 6 speed transmission (2100nm)
■	RTH2610B	Volvo RTH2610B hub reduction rear axles 4 planet gears per hub Axle rating: 26,000 kg 115 tonne train weight (Application approved)
□	RTH3212F	Hub reduction tandem 32t GCW120t version F

Packages

■	INFOHIGH	High Level Information Platform

Chassis

■	FST-PAR	Parabolic leaf spring front suspension
□	FST-PAR3	3 leaf parabolic front springs (stiffer than normal)
■	FAL13.0	Front axle rating: 13,000 kg
□	FAL16.0	Front axle load 16 tonnes
□	FAL20.0	Front axle load 20 tonnes (Non Load Share Suspension)
■	FSTAB	Front stabilizer, normal stiffness
□	FSTAB2	Front stabiliser bar increased stiffness
□	FSTAB3	Heavy duty front stabiliser bar
■	RAL26	Rear suspension load rating: 26,000 kg
□	RAL32	Rear suspension load rating: 32,000 kg
■	RSTAB1	Rear stabiliser bar
□	RSAP2	Rear suspension- reinforced
□	PSP-VAR2	Power steering pump with electronic control variable displacement
■	EBS-MED	Electronic Brake System (EBS) contains ABS, Traction control, Hill start aid Diff lock control, Brake assist Wheel brake monitoring, EBS status
□	AUXPARK	Auxiliary parking brake
□	RST-MUL	Rear Conventional leaf spring suspension
■	RST-PAR1	Parobolic leaf spring rear suspension
■	FST8080	Frame section thickness 8mm
□	FIL-EEEF	Liner (inner) from end of engine to end of frame
□	FIL-FBEB	Liner (inner) - front of bogie to end of bogie
□	FIL-FBEF	Liner (inner)- front of bogie to end of frame
■	FIL-TXEB	Liner (inner) - trans x-mem to end of bogie
□	FIL-TXEF	Liner (inner) - trans x-mem to end of frame
■	BBOX-L	Battery box mounted on LHS chassis rail
■	2BATT225	2x225 Ah batteries
□	BATTAMP	Battery amperage indicator (in the DID)
■	MSWI-C	Isolation toggle switch LHS of chassis
□	MSWI-R	Isolation switch on key fob (press door lock twice to isolate)
■	R415A66	RHS 415 litre alloy fuel tank w/o step Min volume 330l Max volume 415l
■	ADTP-L	AdBlue tank position - LHS
□	ADTP-R	AdBlue tank position - RHS
■	ADB032	AdBlue tank 32 litres
□	ADB064	AdBlue tank 64 litres
□	ADB090	AdBlue tank 90 litres
■	FCAP-L	Fuel tank cap with lock
■	ESH-RIGH	Muffler horizontal, right exhaust outlet
□	ESH-VERT	Muffler horizontal, vertical exhaust outlet on right hand side
□	EXST-SSP	Stainless steel exhaust stack
□	TRBR-HCR	Hand controlled trailer brake, reduced pressure
□	TRBR-STA	Stationary trailer brake control
□	TRB-STRE	Automatic trailer brake activation (stretch brake)
□	ATANK-AL	Aluminium airtanks
■	TL-LED	LED tail lights
■	BLIGHT-E	Emergency Brake Lights

Rims and Tyres

□	RT-AL	10 stud alloy disc rims (with long wheel studs)
□	RT-ALDP	10 stud dura-bright alloy disc rims (with long wheel studs)
□	RT-ALDPD	10 stud dura-bright alloy disc rims (with short wheel studs)
□	RT-ALDU	10 stud alloy disc rims (with short wheel studs)
□	RT-ALP	10 stud polished alloy disc rims (with long wheel studs)
□	RT-ALPDU	10 stud polished alloy disc rims (with short wheel studs)
■	RT-STEEL	10 stud steel disc rims
□	SPWT-D	Spare rim & tyre equal to drive
□	SPWT-F	Spare rim & tyre equal to steer
□	SWCP-T2	Transport mounted spare wheel
□	JACK-12T	12 tonne capacity jack with brace
□	JACK-15T	15 tonne capacity jack and brace
■	TOOL-BAS	Basic tools
□	TOOLKIT	Tool kit complete
□	INFLAHOS	Tyre inflation hose (18 metres)

Powertrain equipment

■	TRAP-HD	Heavy Duty Transmission Internals
■	DRM-BE	Drive Mode - Balanced & Economy
□	DRM-E	Drive Mode - Economy
□	PVT-MAP	Preview Topography Information (high resolution commercial topography map)
■	CRUIS-E	Extended cruise control (additional fuel saving functions)
□	AMSO-AUT	Manual gear shift in automatic mode.
□	AVO-ENH	AMT Vocational option - enhanced
□	APF-ENH	Enhanced I-shift PTO functions
■	CS43B-O	Volvo 430mm single plate clutch
□	TC-HWO	Transmission Oil Cooler
■	TC-MAOH2	High performance transmission cooler
■	2COM1080	High volume air compressor
□	2COM1100	Air compressor. 1100 litres/minute (Eu6)

■ Standard Equipment □ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

For all possible options and combinations of options please consult your Volvo sales contact who can create a specification to match your requirements using the Volvo Sales Support system (VSS).

The factory reserves the right to modify design and change equipment without previous notification.
The specification can vary from country to country.

Ref: FMX 84RF 1L 16 AUS 2024-02-28 ENGAU

MODEL RANGE

FMX11 8x4 Rigid Leaf Suspension FMX 84RF 1L

■	AIRIN-HI	High air intake, roofline position
□	AIRIN-LO	Low air intake, rear of cab position
■	ACL1ST-S	Air cleaner with two stage filter element
□	24A110BL	Alternator - 110 Amp (Eu6)
□	24A150BL	Alternator - 150 Amp (Eu6)
■	24AL150B	Alternator - 150 Amp
■	FUEFE2SW	Dual fuel filter, engine mounted with water separator-small
□	PTER-100	PTO engine rear mounted with flange DIN100/ISO7646
□	PTER-DIN	Power Take Off / splined shaft groove (female) DIN5462.
□	PTER1400	Rear engine mounted power-take-off with flange SAE 1410
□	HPE-F101	F1-101 Hydraulic pump rear engine mounted
□	HPE-F41	F1-41 Hydraulic pump rear engine mounted
□	HPE-F51	F1-51 Hydraulic pump rear engine mounted
□	HPE-F61	F1-61 Hydraulic pump rear engine mounted
□	HPE-F81	F1-81 Hydraulic pump rear engine mounted
□	HPE-T53	F2-53/53 twin flow hyd pump rear engine mounted
□	HPE-T70	F2-70/53 twin flow hyd pump rear engine mounted
□	HPE-V45	V1-45 variable pump rear engine mounted
□	HPE-V75	V1-75 variable pump rear engine mounted
□	PTPT-D	PTO DIN / Powertronic
□	PTPT-F	PTO flange conn / Powertronic
□	PTR-D	Low speed PTO with DIN connection
□	PTR-DH	High speed PTO with DIN connection
□	PTR-DM	Medium speed PTO with DIN connection
□	PTR-F	Rear PTO trans.flange 100% speed
□	PTRD-D	PTO with 2 DIN connections rear + 1 DIN connection front
□	PTRD-F	PTO with 1 DIN + 1 flange connection rear
□	HPG-F101	F1-101 hydraulic pump gearbox mounted
□	HPG-F41	F1-41 hydraulic pump gearbox mounted
□	HPG-F61	F1-61 hydraulic pump gearbox mounted
□	HPG-F81	F1-81 hydraulic pump gearbox mounted
□	DRC-AMII	DPF regeneration- auto initialise/manual on demand/manual inhibit
■	ESP-BAS1	ESP package (tractor/trailer combinations with ABS/EBS Or Rigids with standard COG)
■	HWSS-ACB	ACC & forward collision warning & emergency braking.
■	LSS-DW	With lane departure system
■	LCS2	Lane Change Support with Side Collision Avoidance (LHS)
■	DAS-W	Driver alert support warning
□	RSENS-W	Rain sensor to activate wipers
□	CU-ECC	Climate controlled air conditioning
■	CU-MCC	Manual controlled air conditioning
□	IMMOBIL	Engine immobiliser
□	ALARM-B	Anti-theft alarm (cab)
■	ISUNS-DS	Interior side sunvisor - driver's door
□	ISUNF-B	Interior front sunvisor - standard
□	ISUNF-MD	Interior front sunvisor - with mirror (driver's side)
□	ISUNF-RE	Interior sunvisor - front (electric)
■	ISUNF-RM	Interior sunvisor - front (manual)
□	ADFS	2 din slots in front shelf
■	BUPALARM	Reverse alarm
□	REMC-MF	Multifunction wireless remote control
■	FIREX25A	Fire extinguisher 2.5 kg
■	WRITEPAD	Storable steering wheel fit clip board
■	DST-CF5	Fully adjustable driver's comfort seat Air suspension, heated, integrated safety belt
□	SBD-RED	Red safety belts, pass. & driver seats
■	SBPRE-DS	Drivers seat belt pretensioner
■	PST-BAS1	Basic passenger's seat
□	PST-CF5	Fully adjustable passenger comfort seat Air suspension, heated, safety belt
□	SBPRE-PS	Passenger seatbelt pretensioner
□	ARMRE-BB	Armrests both sides - driver's & passenger's seat
■	ARMRE-DB	Armrests both sides - driver's seat
■	ARU-BAS	Seat armrest upholstery - basic
■	FMAT-RUB	Floor mats - rubber
□	FMAT-TX2	Floor mats - textile & rubber
□	LBK70	Lower bunk 700mm wide
□	MATL-FI	Spring Mattress Lower Bunk - Firm (100kg +)
□	MATL-SF	Mattress lower bunk - semi firm
□	OLMAT-BA	Mattress overlay - basic
□	TBK70F	Top bunk 700mm wide, foldable
□	SAFE	Safe box at bed-end
□	ETSB-F	Engine tunnel storage box
□	ETSB-FR	Engine tunnel storage box & rear cab wall
□	ETSB-R	Rear cab wall storage
□	RUS-BAS	Rear upper cab storage - 154 litres for Sleeper/Globetrotter & 60 litres for Day Cab
□	RUS-HIG	Rear upper cab storage - 245 litres
□	TABLE	Table
□	REF-ICPK	Refrigerator prep kit (on engine tunnel)
□	REFR-RUS	28 litre refrigerator in upper rear storage
□	MICRO-PK	Prep kit for microwave
□	BOTH-D	Bottle holder in driving area
■	INLI-BAS	Interior night lights
□	INLI-NL	Interior white and red (night) light
□	INLI-NLD	Interior light including night light and dimmer function
□	ARL-FLEX	Flexible reading lamp (snake light)
■	RH-ER	Roof hatch-electric (metal emergency exit)
□	RH-MTR	Roof hatch-manual (tinted glass & rear opening)
□	SWIND-PS	Cab passenger side aux. window
■	AWIND-RF	Cab rear window- fitted
□	VANMIR	Vanity mirror
□	AS-FUS	Auxiliary shelf, front upper storage
□	INFOT-PK	LCD screen mount - 6kgs max

Cab exterior

■	EXTL-BAS	Standard exterior trim level
■	DGLAS-H	Hardened door glass
□	DGLAS-L	Laminated door glass
□	AUXFS	Auxiliary folding side step
□	GUARD-EH	Guard plate for cooling pipes and oil sump
■	BUGNET	Insect net in front of radiator
■	CTILTP-E	Electrical cab tilt pump
□	FCABS-A	Front cab suspension-air bellows
■	FCABS-M	Front cab suspension-mechanical spring
□	RCABS-A	Rear cab suspension-air bellows
■	RCABS-M	Rear cab suspension-mechanical spring
□	MIRCMS	Camera Monitor System - Without Exterior Mirrors
■	MIRFLACP	Electrically heated & operated flat glass mirrors with front monitoring camera on passenger side.
□	AMIR-F20	Close view mirror
■	SUNV-H	Exterior sunvisor
□	AD-ROOF	Aero-dynamic roof mounted deflector

■ Standard Equipment □ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

For all possible options and combinations of options please consult your Volvo sales contact who can create a specification to match your requirements using the Volvo Sales Support system (VSS).

The factory reserves the right to modify design and change equipment without previous notification.
The specification can vary from country to country.

Ref: FMX 84RF 1L 16 AUS 2024-02-28 ENGAU

MODEL RANGE

FMX11 8x4 Rigid Leaf Suspension FMX 84RF 1L

□	AD-SIDES	Aero-dynamic cab side deflectors
□	GUARD-W	Windscreen stoneguard
■	HL-BASIC	Standard head lamps
□	HL-LED	LED headlights
□	HL-CLEAN	Head lamp cleaning system
■	HLP-ST	Headlamp protection-steel
□	HLP-ST2	Headlamp protection-steel/wire mesh (non ADR compliant)
□	HL-ADJ	Headlight adjustment - manual
■	DRL-LED	V-shaped LED daytime running light
□	ASL-RF2	Spotlights inside Globetrotter Sign Box
■	IDLAMP-A	Identification lamps-amber
□	BEACON-P	Beacon light wire preparation
□	SPOTP-F	Aux spotlamp preparation, 280W maximum
□	CSGN-FMX	Globetrotter - FMX decal
□	ANT-CBR	Antenna for CB radio, single antenna

Superstructure

□	SRWL-2RW	2 white rear chassis mounted working lamps
□	SRWL-PK	Wiring prep for chassis mounted reverse/working lamps-3 position switch
□	SWL-2FW	2 white side working lamps (forward facing)
□	SWL-2RW	2 white side working lamps (rearward facing)
□	SWL-4W	4 white side working lamps
□	SWL-PK	Wiring prep for chassis-mounted working lamps-2 position switch
□	WL-CHPK	Chassis mounted working lamp prep kit
□	WLC-H2W	2 LED work lamps - high mounted with white lens.
□	WLC-PKH	Prep kit for high mounted work lamps.
□	ECBB-HIG	Body builder module - cab module
■	ECBB-MED	Body builder module - cab module
■	BBCHAS3	Body builder chassis electrical interface, 3 x 7 pin connectors
□	FRFS-BS	Frame rail free space-both sides
■	AESW2	2 flexible switches (AUX1 and AUX2).
□	AESW2PK	2 flexible switches (AUX1 & AUX2) + additional 4 flexible switches
■	AUXSW-4	Wiring prep. for 4 extra bodybuilder switches (switches not included)

Delivery services

■	TGW-4GWL	Telematics Gateway with 4G/LTE & WLAN
□	FMS-PK	Fleet management system gateway
□	DRUT2	"My Truck" Smartphone App. 2 Year Prepaid