

V O L V O

VOLVO FMX

New FMX 460/500

6x4/6x6 Tractor



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FMX 460 64T

TECHNICAL SPECIFICATION	
Wheelbase	3400 mm
Front Axle Capacity	9000 kg
Rear Axles Capacity	32000 kg
Gross Vehicle Weight	41000 kg
Gross Combination Weight *)	135000 kg
*) GCW is depending on site / road condition.	

ENGINE VOLVO D13A-460 TURBOCHARGED, INTERCOOLER, EURO-4 EMISSION STANDARD (EU4SCR) BIODIESEL B30 CERTIFIED.	
Max Output	460 hp (338 Kw) @ 1400 – 1900 rpm
Max Torque	2300 Nm @ 1000-1400 rpm
Number of Cylinders	6
Displacement	12.8 dm3
Cylinder bore x stroke	131 x 158 mm
Compression ratio	18.1 : 1
Economy rev. band	1000 – 1500 rpm
Volvo Engine Brake+ (EBR-VEB+) with maximum 375 Kw Braking Power @2300 rpm.	

TRANSMISSION VOLVO ATO2612	
12 Speed electronically controlled splitter and range change gearbox with automated Gear Changing system with Overdrive and one Crawler Gear, fitted with a Power Take Off and Oil Cooler as standard.	
Special heavy duty package (TRAP-HD) concern to reinforce Split Synchronizer, Main Gear Dog Clutches and Counter shaft brake.	
Maximum Torque :	2600 Nm
Top Gear	Overdrive
Number of forward gears	12
Number of reverse gears	4
Crawler Forward Ratio	17.54 : 1
Forward ratio range	11.73-0.78 : 1
Reverse ratio range	3.16 / 2.48 : 1

CAB	
Single day Cab	
Air Conditioning	
Red Safety Belts	
Emergency Roof Hatch.	

CLUTCH	
Single, push-type clutch with large dry friction disc which offer good durability	
Disc diameter 430 mm. Pneumatic operated electronically controlled.	

POWER TAKE-OFF & HYDRAULIC PUMP	
High speed Gearbox Driven Power Take-off (Standard)	
Engine Driven Power Take-Off (Optional)	

FRONT SUSPENSION	
Type of Suspension	Parabolic Springs
Number of springs	4
2 shock absorbers and front stabilizer.	

REAR AXLE & SUSPENSION	
RTH3312 combined with RADD-TR2	
Tandem Axle with Hub Reduction, consist of two spiral bevel single units.	
Differential lock inter axles and inter wheels , Two Shock absorbers and Rear Stabilizer as standard.	
Type of Suspension	Reinforced T- Ride Boogie
Type of Spring	Multi leaf – 9 leaf
Capacity	32 Tons
Final reduction ratio	7.21 : 1

BRAKE SYSTEM	
VOLVO BRAKE-ZV (Drum Brake Z-Cam)	
Dual Circuit Full Air Brake System with Automatic Adjustment and Asbestos free liners.	
Auxiliary Parking Brake fitted as standard.	
Parking Brake	Manually Operated Parking Brake with Electric Button.
Trailer Brake	Trailer Brake Connection with Long Coiled Trailer Brake,
Full Pressure Hand Controlled Trailer Brake	
ABS (Antilock Braking System) and EBS (Electronic Braking System) fitted as standard.	

FUEL TANK	
Right hand fitted Steel Fuel Tank with capacity 415 liters.	

AD-BLUE TANK	
Left hand fitted plastic fuel tank capacity 54 liters.	

FRAME	
Constant frame width of 850 mm behind the cab made of high tensile steel section height of 300 mm	
flange width 90 mm. Web and flange thickness are 8 mm. Full inner liner thickness 5 mm installed as standard. All members are cold riveted.	

TYRE OPTIONS	
325/95R24 Tubeless tire Off Road Pattern.	
Wheels : 8.5"x 24"	
Spare wheel same type as front wheel.	

FIFTH WHEEL	
JOST JSK 38C – 3½" Heavy Duty Single Oscillating Mounted on High Z Profile	

STANDARD ACCESSORIES	
Exterior :	
Air Drier	
Backup Alarm	
Exterior Smoke Coloured Front Sun Visor	
Fifth Wheel Lamp	
Front Close View Mirror	
One Front Towing Devices	
Rear Deck Platform	
Steel Headlamp Protection	
Steel Front Bumper	
Two LED Beacon Lamp	
Two Roof Mounted Single Tone Chrome Air Horn	
Trailer Brake and Electrical Connection	
Vertical pipe muffler outlet	
V-Shape day Running Light	

Interior :	
Audio System	
Basic Cruise Control	
Driver seat with regular air suspension and arm rest	
Electrical manually controlled air conditioning	
Electrical window lift	
Fire Extinguisher 3 kg	
Mechanically adjustable steering wheel	
Manual door locking	
Medium level instrument cluster	
12" High Resolution Colour Multi Information Display Instrument Cluster	
Passenger seat	
RED Safety belt	
Rubber floor mats	
Standard toolkit with 20T Hydraulic Jack	
Tachograph	
Telematic Gateway with 4G Modem and WLAN	

*) accessories shown in the picture in this brochure may not be a part of standard equipment. VOLVO reserves the right to modify design and equipment for improvement without prior notification.

FMX 460 66T

TECHNICAL SPECIFICATION	
Wheelbase	3600 mm
Front Axle Capacity	9000 kg
Rear Axles Capacity	32000 kg
Gross Vehicle Weight	41000 kg
Gross Combination Weight	100000 kg

ENGINE VOLVO D13A-460 TURBOCHARGED, INTERCOOLER, EURO-4 EMISSION STANDARD (EU4SCR) BIODIESEL B30 CERTIFIED.	
Max Output	460 hp (338 Kw) @ 1400 – 1900 rpm
Max Torque	2300 Nm @ 1000-1400 rpm
Number of Cylinders	6
Displacement	12.8 dm3
Cylinder bore x stroke	131 x 158 mm
Compression ratio	17.8 : 1
Economy rev. band	1000 – 1500 rpm
Volvo Engine Brake+ (EBR-VEB+) with maximum 375 Kw Braking Power @2300 rpm.	

TRANSMISSION VOLVO ATO2612	
12 Speed electronically controlled splitter and range change gearbox with automated Gear Changing system with Overdrive and two Crawler Gear, fitted with a Power Take Off and Oil Cooler as standard.	
Special heavy duty package (TRAP-HD) concern to reinforce Split Synchronizer, Main Gear Dog Clutches and Counter shaft brake.	
Maximum Torque :	2600 Nm
Top Gear	Overdrive
Number of Crawler gear	1
Number of Forward gears	12
Number of Reverse gears	4
Crawler ratio	17.54 : 1
Forward ratio range	11.73-0.78 : 1
Reverse ratio range	13.73-2.48 :1

CAB	
Single day Cab	
Air Conditioning	
Red Safety Belts	
Emergency Roof Hatch.	

CLUTCH	
Single, push-type clutch with large dry friction disc which offer good durability	
Disc diameter 430 mm. Pneumatic operated electronically controlled.	

POWER TAKE-OFF	
Gearbox Driven Power Take-off (Standard)	

TRANSFER CASE	
Single stage distribution gearbox with Automatic Traction Control	

FRONT AXLE & SUSPENSION	
Type of Axle	FAA11
Type of Suspension	Parabolic Springs
Number of springs	3
Capacity	10 Tons
2 shock absorbers and front stabilizer.	

REAR AXLE & SUSPENSION	
RTH3312 combined with RADD-TR2	
Tandem Axle with Hub Reduction, consist of two spiral bevel single units.	
Differential lock inter axles and inter wheels , Two Shock absorbers and Rear Stabilizer as standard.	
Type of Suspension	T- Ride Boogie
Type of Spring	Multi leaf – 9 leaf
Capacity	32 Tons
Final reduction ratio	7.21 : 1

BRAKE SYSTEM	
VOLVO BRAKE-ZV (Drum Brake Z-Cam)	
Dual Circuit Full Air Brake System with Automatic Adjustment and Asbestos free liners.	
Auxiliary Parking Brake fitted as standard.	
Parking Brake	Manually Operated Parking Brake with Electric Button.
Full Pressure Hand Controlled Trailer Brake	
ABS (Antilock Braking System) and EBS (Electronic Braking System) fitted as standard.	

FUEL TANK	
Right hand fitted Steel Fuel Tank with capacity 415 liters.	

AD-BLUE TANK (EURO-4 ONLY)	
Left hand fitted plastic fuel tank capacity 48 liters.	

FRAME	
Constant frame width of 850 mm behind the cab made of high tensile steel section height of 300 mm	
flange width 90 mm. Web and flange thickness are 8 mm. Full inner liner thickness 5 mm installed as standard.	
All members are cold riveted.	

TYRE OPTIONS	
325/95R24 Tubeless tire Off Road Pattern.	
Wheels : 8.5"x 24"	
Spare wheel same type as front wheel.	

STANDARD ACCESSORIES	
Exterior :	
Air Drier	
Backup Alarm	
Exterior Smoke Coloured Front Sun Visor	
Fifth Wheel Lamp	
Front Close View Mirror	
One Front Towing Devices	
Rear Deck Platform	
Steel Headlamp Protection	
Steel Front Bumper	
Two LED Beacon Lamp	
Two Roof Mounted Single Tone Chrome Air Horn	
Trailer Brake and Electrical Connection	
Vertical pipe muffler outlet	
V-Shape day Running Light	
Interior :	
Audio System	
Basic Cruise Control	
Driver seat with regular air suspension and arm rest	
Electrical manually controlled air conditioning	
Electrical window lift	
Fire Extinguisher 3 kg	
Mechanically adjustable steering wheel	
Manual door locking	
Medium level instrument cluster	
12" High Resolution Colour Multi Information Display Instrument Cluster	
Passenger seat	
RED Safety belt	
Rubber floor mats	
Standard toolkit with 20T Hydraulic Jack	
Tachograph	
Telematic Gateway with 4G Modem and WLAN	

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ENGINE VOLVO D13A-500 TURBOCHARGED, INTERCOOLER, EURO-4 EMISSION STANDARD (EU4SCR) BIODIESEL B30 CERTIFIED.	
Max Output	500 hp (373 Kw) @ 1400 – 1800 rpm
Max Torque	2500 Nm @ 1050-1400 rpm
Number of Cylinders	6
Displacement	12.8 dm3
Cylinder bore x stroke	131 x 158 mm
Compression ratio	18.1 : 1
Economy rev. band	1000 – 1500 rpm
Volvo Engine Brake+ (EBR-VEB+) with maximum 380 Kw Braking Power @2300 rpm.	

TRANSMISSION VOLVO ATO2612	
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