

Date 4-11-2016

Quote no. MH2016000141H

FMX 460 HP 8*4 Rigid X-high chassis height with rear air suspension

Transport operation

Rough road conditions
Distribution transport cycle
Flat topography
Ambient temperature up to +40C
Ambient temperature down to -40 degrees C
Basic centre of gravity height, approx. 1.6 metres
Less dirty roads/surfaces
Tipper vehicle preparation
Gross combination weight 65.0 tonnes

Core components

Chassis height extra high - approx. 1030 mm above ground level
Rear air suspension, 2 axles - 2 driven, high ground clearance
FMX Day cab
Wheelbase 4350 mm
Euro 6 emission level with SCR, particulate filter and EGR
Diesel engine, 12.8 litre Euro 6 SCR + EGR (Diesel Particulate Filter), 460 hp, 2300 Nm
Volvo Engine Brake, VEB+ (high efficiency compression brake with exhaust pressure governor, EPG)
I-Shift automated mechanical 12-speed gearbox without clutch pedal, 2600 Nm, GCW 100000 kg
Tandem axle lift for driven bogie axle
Bogie lift for non-driven rear axle
Rear hub reduction tandem axles - bogie load 26 tonnes, GCW 100 tonnes
Rear axle ratio 3.33

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Packages

Driving plus package FM

Roof hatch - Manually operated / Steel / Rear opening

El heat&oper robust main rear view mirr, elheat wide angle mirr (LR side). Close view mirr pass side

Interior front sun visor with mirror on driver side

Vinyl armrest upholstery

Central door locking with remote control

Fully electrically controlled air conditioning with sun sensor

Exterior smoke coloured front sun visor

High power audio system. RDS radio with CD player (also playing mp3/wma/wav files from CD), FM/AM antenna, speakers in dashboard & doors & sleeping compartment, integrated bluetooth phone and USB/Line inputs.

Prepared for Dynafleet office internet portal support.

Dashboard integrated 7 inch colour information display, 800 x 480 pixels / 153(W) x 92(H) mm

Audio signal - AM/FM

Construction package for FMX day cab

Air cleaner with additional filter element

*Guard plate for cooling pipes and **oil sump***

Steel headlamp protection

Protective cover for chassis mounted pneumatic equipment

oil sump- oils-pl plastic oil pump

Chassis

3 leaf front parabolic suspension (stiffer than normal)

Front axle load 16.0 tonnes, double front axles

Front stabilizer with medium high stiffness

Rear axles load 21 tonnes

Rear stiff stabilizer

First rear drive axle load limiter, 9.5 tonnes

Air suspension with 3 driving levels

Volvo Dynamic Steering (VDS)

Dual power steering system

Power steering pump with variable displacement

Disc brakes with solid discs

EBS (Electronic Brake System) medium package

Two extra parking brake chambers

Lock free brakes

Front axle regulating brake valve for EBS

Air suspension levelling with electronic control

Frame rail section external height 300 mm

Frame section thickness - web 8.0 mm / flange 8.0 mm

Battery box on left hand side

Batteries 2x170 Ah

Battery voltage, ampere and battery status gauge with visual alerts

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Battery reconditioner to keep the battery lead plates free from sulphate
Remote controlled main switch - remote controlled (key fob) circuit shut down
Right 330 litre aluminium 710 mm high D-shaped diesel tank
Fuel tanks with high ground clearance
AdBlue tank on left hand side
AdBlue tank usable volume 32 litres
Unlockable diesel and AdBlue tank caps
Fuel filling anti-spillage device
Horizontal and vertical muffler, vertical exhaust
Aluminized steel vertical exhaust top pipe
Two fixed wheel chocks
Wheel chock(s) in the front part of the vehicle
Side and rear marker lights
High mounted towing member, in centre of frame
Towing member with D-value = 190 kN for G-150/G-260 hole pattern towing couplings
Towing member normal position, 60 mm from frame end
Rear frame end, straight cut (for regular platform applications)
Rear frame length 2445 mm from 1st drive axle
Towing coupling VBG 8500
One heavy duty front towing device
15 pol electrical trailer connector (ADR certified)
Trailer brake connection, Duomatic
Trailer connection bracket mounted in the left rear side of the frame overhang
Stationary trailer brake control
Automatic low speed trailer brake activation (stretch brake) to avoid jack-knifing&impr steerability
Mudflaps without anti-spray on second front axle fenders
Standard mounted fenders on second front axle
Transport mounted one-piece rear fenders
Lower fender installation (rear and 2nd front axle)
Aluminium air tanks
LED tail lamps
Basic brake light
Tail lamp protection box

Rims and Tyres

Steel rims on all axles
Front axle tubeless tyre 315/80R22.5
GOODYEAR, OMNITRAC MSSII
Drive axle tubeless tyre 315/80R22.5
GOODYEAR, OMNITRAC MSDII
Basic tools (combination screw driver, socket wrench)

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Powertrain equipment

Basic transmission output torque
Single plate clutch, plate diameter 430 mm
I-shift long haul gear changing software
I-shift manual gear shift available in automatic mode incl kickdown function
Extended topography information, learning by GPS positioning and centrally stored data
Basic I-shift PTO functions
Enhanced I-shift software for construction and off road applications
Two crawler gears, one ultra low crawler and one crawler
Electrical priming pump
Two extra reverse gears
Basic performance cooler for manual/I-Shift gearboxes - water/oil
Dual cylinder air compressor 760 cc / 1100 l/min
High air intake
Alternator 120 Ampere
EC external noise requirement 80 dB(A)
Closed crankcase ventilation with oil separator and a maintenance free gas centrifuge
Reinforced gearbox application
Small engine mounted dual fuel filter with water separator and drain. For good fuel qual. (West Eu).
Rear engine mtd clutch indep PTO, splined shaft groove (female) /close coupled pump(DIN5462/ISO7653)
Engine Power Take-Off maximum torque capacity 650 Nm
Rear engine mounted hydraulic pump F1-81, fixed displacement, single flow
Engine idle shut down

Cab Interior, Driving

Regeneration control of diesel filter particulates - fully automatic (in motion)
Left hand drive
Standard steering wheel material
Mechanically adjustable steering wheel
Airbag on driver side
One day digital tacho, EC approved
Dashboard in black/raven
Cruise control I-Cruise with controls in the steering wheel,I-Roll incl. Adding PVT-EXT gives I-See.
Wiper rain sensor
Immobiliser
Burglar alarm - cab
Electrical window lift
Side interior sun visor on driver side
One open storage (behind push open lid) in upper part of dash panel center section
Back-up alarm
Preparation kit for road toll collect (GPS/GSM antenna and cables)

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Bulb and fuse kit

English publication language, English signs en instruction manual

French/German text on decals/signs

Driver information first optional language - Dutch

Driver information second optional language - German

Writing pad

Vehicle assistance service disabled

Cab Interior, Living

Seat with grey text ins&vinyl bolster, red vinyl side ins&vinyl/text inter trim in skylark/grey/blac

Driver seat, comf, susp, belt, heat

Red safety belts, passenger and driver seats

Bench passenger seat

Two armrests on driver seat and one (outer) on passenger seat

Two black rubber floor mats with raised edges and an extended side (FMX)

Cab parking heater, 2 kW

Fixed engine tunnel storage box at rear cab wall

One bottle holder under dashboard centre section

Interior white light with smooth light transition at on/off, no dimming

One extra layer of cab insulation

Cab exterior

Total vehicle height max. 4.0 metres

Basic painting in a lightning grey colour of mirror housings, insteps and bumper

Cab colour solid Grey (RAL7037)

Tinted windows

Heavy duty front bumper

Extra cab side foot-step

Without front underrun protection

Side ladder and guide rail on on day cab driver side

Foldable extra front cab foot-step

Radiator screen / Mosquito net in front of radiator

Manual cab tilt pump

Mechanical front cab suspension

Mechanical rear cab suspension

Front close view mirror above windscreen on passenger side (radius 200 mm)

Halogen H1 head lamps (heavy duty)

High pressure headlamp cleaner

Automatic headlamp switching between day running light and low beam

Adjustable headlamps

V-shaped ("V-light") day running light (LED)

Prepared wiring (switch and connected relay included) for warning lamps on cab roof

Two front cab roof pass throughs, one on each side

One front mounted (behind grille) single tone air horn, Jericho

Roof mounted antenna for CB radio, single aerial

Unmounted emblems (by-packed)

Emission emblems

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Superstructure

Two H3 70W white rear chassis mtd (LH/RH side) working lamps & 3-pos switch(On/Off/Reverse auto on)

Body builder electrical centre with cab body builder module

Three 7-pole connectors for Body builder interface

Trailer detection with LED sensor

Lower front body attachments for torsionally semi-flexible body (van or curtainsider)

Holes for body attachments, flexible/semi-flexible body

Lower rear body attachments for helper frame

Two Body builder bistable electrical switches (marked AUX1 / AUX2)

Enclosed (not mounted) upper body attachments (bolted) for WB4300 and WB4600

Five 6 mm pneumatic tipper control pipes

Body not in position, warning preparation

Services

Assistance switch and microphone, Volvo Action Service (VAS)

Telematics gateway with 3G modem and WLAN

Fleet Management System gateway, preparation kit

My Truck connects the vehicle to the smartphone app

Extra

HLP-ST2 headlamp protection delivered in a box inside cab (not mounted)