



**KEL-BERG STEEL
TIPPER INSTALLATION**

**VOLVO FMX 420 8X4
KEL-BERG STEEL TIPPER**

Make / Model:

Volvo FMX 420 8x4 Rigid N3G X-High Chassis

Drive Line:

Drive line is fitted with a 12.8 litre diesel D13K420 engine:

- Outputs: 420 hp at 1,400 to 1,800 rpm
- Peak torque: 2,100 nm at 860 to 1400 rpm

Also features an auto AT2612F 12 speed “I-Shift” gearbox, application software - off road. I-Shift economy mode with automatic power switch return, differential and cross locks.

Cab External:

Cab external features the following:

- Translucent external sun visor
- Heavy duty bumper
- Tinted glass
- Electric operated tempered & tinted side windows
- Front & rear mechanical cab suspension and integrated shock absorbers
- Central door locking system
- Insect screen in front of radiator
- Halogen H7 head light c/w headlamp protectors
- Rear lights LED



CHASSIS SPECIFICATION

Ver.1 | Issued
11/21

VOLVO FMX 420 8X4 KEL-BERG STEEL TIPPER

Colour:

Cab finished in 1103WHIT winter white. Bumper, mirrors, instep & visor finished in grey. Chassis is finished in grey too.

Cab Interior:

The cab is fitted with following items:

- Continental VDO DTCO 4.0 smart tachograph
- Dashboard is finished in dark beige / rave
- Cruise control
- Manually controlled air conditioning
- Thatcham H2 approved immobiliser
- Reversing alarm
- 3 kg fire extinguisher
- Air drivers seat with 2 arm rests
- SRS drivers air bag

Steel roof & escape hatch electrically operated. Electrically heated and operated main and wide angle mirrors with manually adjusted kerb side mirror. In order to increase direct vision to the side, the main mirrors have no cowlings. Door locking uses manual key.

Additional items: rear cab window, driver side sun visor, central document box, twin cup holders, rear cab upper 300 mm high storage facility.

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High power audio system: RDS radio with CD player that supports MP3/WMA files from CD. Features an integrated bluetooth phone and USB/line inputs. FM/AM antenna, speakers in dashboard and doors.

Dashboard features an integrated 12 inch colour information display.

Chassis:

Chassis height is 300 mm x 8 mm steel web and flange. Chassis frame inner liner from front of bogie to the end of the frame. Exhaust is with fitted horizontal silencer and rear outlet.

A 255 L aluminium fuel tank is located on OS and a 48 L AdBlue tank is mounted on NS, both are fitted with a locking cap. Wheel base is 5,100 mm with 1,400 mm overhang with hinge hole centre 615 mm.

Brake System:

Features drum brakes on front and rear axles with front brake regulating valves (EBS). Fitted with Volvo engine brake and exhaust pressure governor providing enhanced performance due to additional rocker control.



Body Construction:

The body is constructed with durable and hard wearing pressed abrasive resistant steel, suitable for muck-away, demolition rubble and aggregate.

The sides are fixed and pressed from 4 mm abrasive resistant steel, along with heavy duty top rails which are folded from the same steel; giving the body exceptional strength. The floor is a single 5 mm steel sheet with angled edges to the side wall, preventing material from sticking.

The bulkhead and top swing tailgate are also single 4 mm skin pressed abrasive resistant steel material. The bulkhead also features two vertical C channels along with two lateral tie bars.

A 500 mm bolt on galvanised cab guard is fitted, which incorporates space for roller sheet bar and sheet motor.

Four tab heavy duty bolt on locking bar 25 mm, steel cover plate over bar to stop stones becoming trapped. Rear pillars 100x190 mm box section (auto locking available).

Rear wings are N3G steel valance with drop down bolt on galvanised wings with smooth mud flaps, easily changed if damaged.



Auxiliary Items Included:

Two powder coated handrails are fitted body O/S near rear axle. A body raised warning in-cab light and buzzer is fitted. Conspicuity markings are fitted in accordance with current C&U regulations. Side guards are fitted to galvanised brackets on both sides of the vehicle.

Galvanised parts:

- Shovel rack mounted to front bulkhead.
- Bolt-on rear push bar.
- Rear under run bumper.
- Bolt-on sheet roller cover prepared for sheet.

Paint:

Prior to fitting, the body is shot blasted and finished in a two pack paint. This is a single flat RAL coded colour. This comes with a two year anti-corrosion warranty.

Tipping Gear:

Tipping gear is an EDBRO CX15 front end tipping gear with integral tank. RAM and tank are finished with top coat of paint, same colour as chassis. A control lever is mounted in the cab, on engine tunnel.



BODY SPECIFICATION

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Electrics:

LED side marker lights mounted below bottom rail. Truck manufacturers rear lights to be used and fitted with galvanised bolt on light brackets. Rear LED marker lights fitted to tailgate. Body raised warning with in cab light and buzzer.

Warranty:

Tipping Body: 3 years
PTO + Tipping Gear: 3 years
Body Paint: 2 years
Crane: 2 years full + 3, 4, 5 sliding scale structural.

Third party components subject to their parties T&Cs (available on request).

