

O.T.W

KEL-BERG
INSULATED TIPPER

VOLVO FMX 420 8X4 KEL-BERG
INSULATED 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

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 alark
- 3 kg fire extinguisher
- air drivers sear with 2 arm rests
- SRS drivers air bag

Steel roof & escape hatch electrically operated. Electically 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 mirrrors 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 intergrated bluetooth phone and USB/line inputs. DM/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 hing 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 perfromance due to additional rocker control.

Body Construction:

Body has an 18.1 m³ (23.7 yd³) capacity and is designed for the transportation of aggregates and asphalt. It features extruded aluminium top and bottom rails, giving a light weight but strong construction.

Removable front corner posts allow for easy replacement of damaged insulation panels. The slid down aluminium access ladder c/w hand rails is situated on N/S for safety. The last 1.5 metres of the floor is 8 mm thick.

Body Dimensions:

Internal Body Length:	6500 mm
Internal Depth:	1220 mm
Internal Body Width:	2285 mm
Side Wall Thickness:	4.76 mm
Headboard Thickness:	4.76 mm
Tailgate Thickness:	4 mm

The body is fitted with rubber mounting blocks on the underside of the V pan.

The aluminium front and rear mud wings are bolt on and have Kel-Berg rubber flaps with chains to cover the rear lights, which are mounted on an aluminium bracket with a horizontal plate that is fixed to the rear most wing.

Insulation:

The body sides are insulated with earth wool Dritherm cavity slab that is sandwiched between the aluminium panels. The headboard, tailgate and underfloor are insulated with an air gap between outer aluminium skin.

Tailgate:

The 300 mm sloped, split tailgate is hinged from an extruded tie bar. Pneumatic over centre locking mechanism and pneumatically controlled cylinders lift and lower the bottom section of the gate.

A manual lever assist bar is provided to perform a manual override. The lower section of the gate is fitted with removable screw clamps & sword pins for secondary security.

Tipping Gear:

A front mounted EDBRO CX15 tipping gear with integral oil tank is fitted with an EDBRO PTO and pump.

Additional Extras:

- N/S headboard mounted cat walk with slide down access ladder.
- A front mounted shovel and holder fitted to the O/S front bulkhead.
- Galvanised swing up brackets are fitted each side with aluminium lateral bars.