



pk trucks holland

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VOLVO FM400 8x4 with MOLCIK 18 cbm. rear tipper - NEW



pk id:vo1533

Core components

Approximate chassis height 1.050 - 1.150 mm
Day cab
Euro 4 Selective Catalytic Reduction (SCR) engine emission control.
Diesel engine, 13 litre, 400 hp, 2000 Nm, version A.
Engine brake, exhaust pressure governor
Manual split range gearbox 2400 Nm, 14 speed
Single disc clutch, diameter 430 mm, reinforced; version B
Wheelbase 4300 mm
Front axle load 16.0 tonnes, double front axles
Front leaf suspension, parabolic spring
Front stabilizer, medium high stiffness
8 wheels, 4 driving
Rear leaf suspension (6x4/6x6/8x4), B-ride.
Rear single reduction tandem, bogie load 23 tonnes, GCW 70 tonnes
Rear axle ratio 3.78
Bogie load 21 tonnes
Rear leaf suspension, parabolic spring
Rear stabilizer, normal stiffness
Rear shock absorbers

Truck use

Rough road conditions.
Construction transport cycle.
Hilly topography.
Gross combination weight 44.0 tonne

Rims and Tyres

Steel rims
5 pices. 315/80R22.5 K CONT HSC+
8pieces. 315/80R22.5 K GOOD MSD
Spare wheel and tyre equal to front wheel

Powertrain equipment

Air compressor, 530 litres per minute
Low air intake
Air cleaner with one filter element
High capacity alternator, 120 Ampere.
Euro 4 Engine emission control.
Exterior noise requirement 80 dB(A), EC
Open crankcase ventilation.

Total vehicle height max. 4.0 metres, ground - top of cab/roof airdeflector.
L-sign in front (noise level 80dB)
Steering gear legal regulations
Dual power steering system
Power steering cooler.
Left hand drive
Vehicle width 2600 mm

Chassis

Volvo Z-cam brakes
ABS, Anti-lock brake system
Front regulating brake valve, load sensing
Frame section thickness 8 mm
Frame rail section height, 300 mm
Battery box on left hand side
Batteries 2x225 Ah
Right aluminium 710 mm D-shaped fuel tank, 330 litres volume.
Usable volume is 97% of stated volume.
AdBlue tank left hand side, 35 litres. Only for 8x2 and 8x4 vehicles.
Lockable fuel tank cap
Muffler horizontal, left exhaust outlet
Exhaust heat shield steel
Spare wheel supplied temporarily strapped to chassis
Two wheel chocks
Side and rear marker lights
Rear frame length 2195 mm
Fixed rear underrun protection stainless steel
Anti-spray mudflaps, front axle

Insect screen in front of radiator
Manual cab tilt pump
Mechanical cab suspension
Electrically heated exterior mirrors with wide angle mirror on both sides and close view mirror on passenger side.
Front mirror above the windscreen on passenger side (mirror radius 200 mm)
Sunvisor, smoke colour
Head light protections
Head lamps basic
Adjustable headlights
Head lamp asymmetric, right hand traffic, left hand drive
EC driving lamps, with dipped beam

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Cooling capacity 40°C, ATB
Aluminium gearbox range housing.
Auxiliary fuel filter, electrically heated
Engine start pre heating element
DIN connection PTO, high speed, manual gearbox

Cab interior

Textile interior & seats
Driver seat, comfort, suspended
Passenger seat, regular
Climate unit manual controlled air condition
Interior light basic.
Roof hatch
Untinted windows
Electrical window lift
Manual locking
Ambient temperature meter
Front internal sunvisor without mirror.
Audio preparation kit
Loudspeakers in dashboard
Black safety belts, pass. & driver seats
Immobiliser
Back up alarm
Two warning triangles
One day digital tachograph, EC/ADR approved
Speed limiter setting 90 km/h (EC)
Languages: Publication-POL, Driver info.-POL/DEU, Decals-GBR/DEU
Jack, 20 tonnes
Toolkit, complete
Tyre inflation hose (20 metre)
Rubber floor mats
NR-80AUT certification

Cab exterior

Front steel bumper.
Guard plate for cooling pipes and oil sump

Dumperbody build by the company Molcik

Body size	length : 6 100	height :	1 450
inside:	width : 2 360	weight :	4 200 kg
loading volume :	18 m ³	technical bearing capacity of the body:	30 000 kg

*Semicircular shell is made of the material HARDOX . The whole unit is welded with continuous welds, floor thickness is 8 mm, sides 6 mm. The front is vertical, supported, with a protective shield over the cabin and with a body outlet. There is a strengthened profile on the top edge, a corner bracing at the front and floors that are resistant to material adherence, the back face is diagonally mounted on the top pins with pneumatic bottom release that is run automatically or with hydraulic opening, operated from the cabin. **The body is heated by the exhausts fumes, the connection will be a part of the chassis.***

Subframe

The subframe is constructed individually for each chassis, in accordance with the recommendations and instructions of the chassis producer. Main beams of the subframe are of a closed profile and they are equipped with diagonal braces. Longitudinal beams are connected with two crossbeams for the fixing of the body bearings and with two partitions for the fixing of the hydraulic cylinder. The frame is made of the material no. 11523 and it is equipped with clamping elements of the frame.

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Hydraulics by the firm HYVA

The body lifting is made by one hydraulic cylinder that is placed in the front, the hydraulic circuit is operated by means of pneumatic-electric control from the driver's cabin. The vehicle will be equipped with PTO from the manufacturer. Oil filling for - 35 °C

Colour: *Subframe colour depends on the chassis colour, body colour in the colour RAL according to the customer's requirements.*

Other equipment included in calculation

- slip side prevention
- plastic quarters
- rope holder of the spare wheel
- gearbox casing Al
- grids at the tail lamps

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