

912 Series dumptrucks.

912F 912FS 912HM



A unique combination of articulated center pivot, wide wheels and high ground clearance - for superior off-road performance.

Key features

- 10 tonne articulated compact dumptruck.
- Superior off road performance.
- Low machine weight - low ground pressure.
- Simple to operate, very safe and robust.
- Well suited as a rental machine.
- Low fuel consumption - Idle-stop.

Also available as a rail machine.

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Technical Data.

Chassis

Articulated chassis with center pivot, and two double acting hydraulic stabilizers. The stabilizers gives very high stability when driving and tipping. Optional the pivot oscillation can be locked. The fuel- and hydraulic tanks are integrated in the front frame. Fuel tank : 140 L. AdBlue tank: 19L. Pivot oscillation +/- 12 °.

Axles

The 912F has fixed axles. The 912FS and HM has electrohydraulic suspension, with two independent suspension cylinders on the front axle. The axles have planetary hub reduction, and separate oil reservoirs in the hubs. The front axle has an automatic limited slip differential lock, and the rear axle has a 100% electrohydraulic differential lock.

Transmission

Automatic ZF WG 115 ERGO POWER transmission, with 6 forward and 3 reverse gears. Electronic soft shift control system without traction interruption. Automatic or manual gearshift over joystick push-buttons. Constant 4 wheel drive.

Brakes

Dual circuit hydraulic servo system, with oil immersed brake discs at all 4 wheels. The brakes are self-adjusting and maintenance free. The parking brake is a maintenance free electrohydraulic fail-safe brake activating the brake discs in the front axle.

Hydraulic system

Hydraulic pump with 84 L/min for tipping and steering. Priority valve for steering. Separate pump for brakes and stabilizers.

Engine

Cummins QSB 4.5L stage 4 with DOC and SCR catalyst with AdBlue additive. 16 valve Common rail turbo diesel engine with intercooler, electronic variable turbocharger and EGR with cooling. Max. Power: 147 Hp (108 kW) at 2000 rpm. Max. Torque 597Nm at 1500 rpm.

180° MultiTip (optional)

Compact body swivel system, driven by two double acting cylinders. The system makes it possible to dump the load continuously over a 180° slew range. Robust system mounted on a large slewing ball bearing. Tipping function via two powerful double acting cylinders, ensuring that the body is pulled down regardless of the machine's inclination.

Steering

Hydrostatic load sensing pivot steering with two double acting cylinders, priority valve and integrated emergency steering. Steering cylinders with damping. Max. steering angle +/- 35°.

Operator cab

Spacious ROPS/FOPS approved cab with suspension and excellent view. Mechanical- or air suspended seat. Adjustable steering wheel and multi-joystick control.

Dumptruck body

5,6 m³ body robot-welded body in high tensile steel. The body has been redesigned so both rear and multitip variants have a tip angle of 75°. Tipping time: 6 sec.

Dimensions

		912F	912FS	912HM
Machine weight	kg	7.270	7.540	8.260
Machine weight with MultiTip	kg	7.730	8.000	8.720
Carrying capacity	kg	10.000	10.000	10.000
Tyre size		600/55-26.5	600/55-26.5	800/45-30.5
Width over tyres	mm	2490	2490	2870
Height (cabin)	mm	2750	2750	2865
Ground clearance	mm	450	450	520
Wheelbase	mm	3080	3080	3080
Total length	mm	5940	5940	5940
Body volume	m ³	5,6	5,6	5,6
Turning radius	mm	6100	6100	6300
Ground pressure (full load)	kPa	125	127	88

MultiTip: Redesigned body with new double acting tipping cylinders



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