

912F 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 - start/stop function

Also available as a rail machine.

Hydrema (UK) Ltd
Barker Business Park
Melmerby Green Road, Melmerby

North Yorkshire, HG4 5NB
Phone: 01765 641940
Email: info@hydrema.co.uk

 **HYDREMA**

Technical Data.

Chassis

Articulated chassis in heavy-duty robot-welded construction. Front axle suspension in pivot bearings and two spring cylinders. Pivot with pendulum bar and double hydraulic stabilizer with the option of locking the oscillation movement. Fuel tank and hydraulic tank are integrated into the front chassis. Fuel tank 140 L. Ad Blue-tank: 19 L. Oscillation: +/- 12°.

Axles

Rigid axles are fixed on 912F, whilst the front axle is sprung on 912FS and 912HM. The axles have planetary reduction in the wheel hubs and separate oil chambers for the hubs. The front axle has automatic limited-slip differential lock and the rear axle has electro-hydraulically activated 100% differential lock.

Transmission

ZF WG115 6-speed fully automatic "ERGO-POWER" with full electronic control. 6 forw./3 rev. gears. Electronically controlled pressure on each clutch. Manually shift possible using push buttons on the joystick. Constant 4WD.

Brakes

Dual-circuit hydraulic servo system with oil-immersed brake discs on all 4 wheels. Self-adjusting and maintenance-free. Handbrake: Maintenance-free, "Fail-safe" parking brake with electro-hydraulic activation of the wet disc brakes on the front axle.

Dumptruck body

5,6 m³ body robot welded in high tensile steel.

Engine

Cummins QSB 4.5L Stage 4 final engine with DOC and SCR catalyyst. 16 valve Common-Rail Turbo diesel with intercooler, electronically variable turbo charger and EGR with cooling. Max power: 145 hp (108 kW) at 2000 rpm. Max. torque: 597 Nm at 1500 rpm.

MultiTip (optional)

Compact swivel tip system for dumping within a 180° area. The slewing system is supported in a robust ball-bearing slewing ring. Pivotal movement takes place by means of 2 double acting cylinders. Tipping function by means of 2 single acting telescopic cylinders.

Hydraulic system

Hydraulic pump with 84 l/min for tipping function and priority valve for steering function. Separate hydraulic pump for brakes and pivot stabilizers.

Steering

Hydrostatic Load Sensing pivot steering with 2 double acting cylinders. Priority valve and integrated emergency steering. Control cylinders with damping. Max. steering angle: +/- 35°

Operator cab

Spacious ROPS/FOPS approved cab with suspension. Mechanical air-suspended seat. Adjustable steering wheel.

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 | 5950 | 5950 | 5950 |
| 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: slewing system with 180° dumping



Hydrema (UK) Ltd
Barker Business Park
Melmerby Green Road, Melmerby

North Yorkshire, HG4 5NB
Phone: 01765 641940
Email: info@hydrema.co.uk

HYDREMA