



912C SERIES 2

The 912C is the most modern dumper truck on the market. Resulting from our use of innovative technology and uncompromising attention to development and quality. Available in rear tip or MultiTip, the 912C offers the very best in comfort, efficiency, safety and profitability. Powerful arguments...obvious advantages!

Pivot steer with 12° oscillation

The 912C series 2 is based on an articulated chassis with integral axles. Centre pivot steering allows the front and rear hydraulic rick bearings for oscillation. The 1401 fuel tank and the hydraulic tank are fully integrated into the front chassis.

Steering: Hydrostatic LoadSensing pivot steering with 2 double-acting cylinders. Priority valve and integrated emergency steering. Max. steering angle: $\pm 35^\circ$.

Axles: Axle load, rear (full load): 6,320 kg
Axle load, rear (partial): 10,170 kg
Axle load, front (full load): 1,860 mm
Axle load, front (partial): 2,470 mm
Track: 1,860 mm
B Total width: 2,470 mm
C Ground clearance: 400 mm
D Max. height: 2,400 mm
E Max. height: 2,150 mm
F Loading height: 2,170 mm
G Max. height for tipping: 4,450 mm
H Tipping clearance: 1,200 mm
I Overhang, rear: 1,000 mm
J Wheelbase: 3,080 mm
K Overall length: 5,820 mm
L Approach angle, front: 27°
M Discharge angle, rear: 75°
N Tipping angle: 1,260 mm
O Overhang when tipping: 1,600 mm
Capacity: 5.6 m³
Turning radius: 6.1 m
Turning time: 6 sec.

Intelligent transmission

Modern technology has made it very easy to operate a Hidrometa dumper truck. Electronic monitoring of the transmission ensures continuous optimum gear shift - even the best operator cannot hope to achieve that.

Hidrometa has equipped the 912C series 2 with a 6-speed ZF ERGO-power transmission with intelligent gear selection, e.o. the transmission shifts up two gears if there is no stress on the transmission. Combined with the engine's high torque, this results in operating fully loaded.

The advantages are obvious: Engine over-boost is used in the optimum manner which means lower fuel consumption. The intelligent transmission also means high operator comfort and reduces stress on the other transmission components.

Protected rear lights

The rear lights are located on the underside of the dumbo body.

The advantages are obvious: The rear lights are protected both when driving and unloading.

Unsurpassed cross-country performance

- Wide tyres as standard for maximum stability and low ground pressure
- Designed to drive fully loaded even in very difficult terrain and in confined working areas

The Hidrometa 912C series 2 can operate in the most difficult conditions and terrain as a result of its unrivalled off road performance. Hidrometa 912C series 2 is also particularly well-suited to areas which call for light heading applications such as soil courses, where the low weight, wide twin tyres and the 600 mm rear wheel around damage to a minimum.

High-torque engine

Working in rugged and soft terrain puts the 912C series 2 to the test. The 912C series 2 is therefore equipped with a modern 4.4 litre Perkins engine with an air/air intercooler - an engine which produces as much as 380 Nm of torque at 1000 rpm, and a max. torque of 434 Nm at 1400 rpm.

The advantages are obvious: Plenty of low-end torque means superb traction characteristics in difficult terrain - even with a full load.

Low fuel consumption

Running costs are a crucial factor for a modern contractor when purchasing equipment. The 912C series 2 offers an optimum performance/weight ratio. The 912C series 2's wide and stable mirror arms offers the operator the best possible rear visibility when reversing or dumping.

Cab suspension

Dumptrucks are often operated in rugged terrain and at high speed. It is therefore not difficult to imagine that the working conditions for a dumper truck operator can be very tough. Hidrometa has taken this into account by developing a cab with spring suspension with 2 rear shock absorbers and front rubber mounts. The spring suspension also insulates the cab to be insulated from the chassis.

The advantages are obvious: A high level of comfort in rugged terrain and low noise levels in the cab.

Gearshift and tipping function combined in one control lever

When driving the dumper truck the operator normally uses the steering wheel most of the time. At the same time he has to change gear, direction of travel and be able to use series 2 the gear shift, the reverse and lock, which is integrated into the right armrest.

Electric tipping brake

912C series 2 is equipped with a tipping brake. By pushing the button situated on the joystick you can easily activate the brake to keep the machine in its place while the body is tipping.

A comfortable cab increases productivity

The engine's location behind the operator's cab means that the rear has 100% unobstructed forward visibility.

This is also a great advantage if the dumper truck is equipped with, e.o. a front-mounted brush or snow plough. The 912C series 2's wide and stable mirror arms offers the operator the best possible rear visibility when reversing or dumping.

Computer - hire menu

The 912C series 2 is equipped with a service computer with a hire menu. The computer constantly monitors the machine's chief components, thus enabling the customer to maintain the machine in first class condition, which in turn minimises running costs. The menu gives the customer new possibilities when it comes to the maintenance of the machine. After hitting out, data can be downloaded from the computer detailing the number of hours of operation, the number of kilometres driven and any service alarms during the hire period.

Automotive pedal position

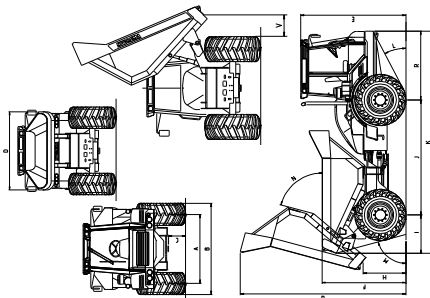
This term refers to the fact that the pedals are arranged as in a normal street car.

The advantages are obvious: Easy to operate - even for boomers. Simple and easy control makes the 912C series 2 suitable for hire out - even when not accompanied by a driver.



TECHNICAL DATA:

CHASSIS:	MULTITIP:
Total weight	17,420 kg
Unladen weight	7,420 kg
Load capacity	10,000 kg
Axle load, front (unladen)	4,220 kg
Axle load, rear (unladen)	3,200 kg
Axle load, rear (full load)	6,320 kg
Axle load, front (full load)	10,170 kg
A Track	1,860 mm
B Total width	2,470 mm
C Ground clearance	2,200 mm
D Max. height	400 mm
E Max. height	2,400 mm
F Loading height	2,150 mm
G Max. height for tipping	2,170 mm
H Tipping clearance	4,450 mm
I Overhang, rear	1,200 mm
J Wheelbase	3,080 mm
K Overall length	5,820 mm
L Approach angle, front	27°
M Discharge angle, rear	75°
N Tipping angle	1,260 mm
O Overhang when tipping	1,600 mm
Capacity	5.6 m ³
Turning radius	6.1 m
Turning time	6 sec.



Chassis: Articulated chassis in a heavy-duty construction with integral axles. Centre pivot steering allows the front and rear hydraulic rick bearings for oscillation. The 1401 fuel tank and the hydraulic tank are fully integrated into the front chassis.

Steering: Hydrostatic LoadSensing pivot steering with 2 double-acting cylinders. Priority valve and integrated emergency steering. Max. steering angle: $\pm 35^\circ$.

Axles: Axle load, rear (full load): 6,320 kg
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Capacity: 5.6 m³
Turning radius: 6.1 m
Turning time: 6 sec.

Brakes: Dual-circuit hydraulic servo system with compressed disc brakes on each wheel. Handbrake. Maintenance-free, fail-safe parking brake. Electro-hydraulic activation of the wet disc brakes on the front axle.

Tires: Twin tyres: 600/65-26.5.

Diesel engine: Perkins 1104C-417A stage 2 engine, 4.4 l turbo diesel engine with air/air intercooler and direct injection. 91 kW/123 hp at 1800 rpm. Max. torque: 380 Nm at 1300 rpm, 430 Nm at 1000 rpm, 470 Nm at 1000 rpm. Max. torque available from 1000-2200 rpm. Latest engine technology which meets EEC stage 2 requirements for exhaust emission.

Transmission: ZF 6-speed fully automatic ErpoPower transmission with full electronic control. Each clutch lever has completely smooth gear shifts without any loss of tractive effort. (6 forward/3 reverse)

Hydraulic system: Hydraulic pump 84 l/min. with priority for steering. Separate pump for brakes and stabilisers. Working pressure: 200 bar. Oil tank: 80 l.

Body: Manufactured in robot-welded high tensile steel.

MultiTip function: Connect swing system with rear dump-swivel system is supported in a robust ball-bearing system. Pivot movement takes place by means of 2 double-acting cylinders. Tipping function by means of 2 double-acting telescopic cylinders.

Developed for YOUR benefit...

- ◆ Unsurpassed cross-country capabilities
- ◆ Light, compact and articulated chassis
- ◆ 10 tonne capacity
- ◆ Extremely low fuel consumption
- ◆ Cab suspension for optimum comfort
- ◆ Unique 180° MultiTilt function
- ◆ High-torque stage 2 low-emission engine
- ◆ Fully automatic transmission with joystick control
- ◆ Computer-controlled instrument panel with intelligent hire menu
- ◆ Electric tipping brake



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STANDARD EQUIPMENT:

- Safety...**
- ◆ Large side-view mirrors with swivel joints
 - ◆ 12 electrical connections
 - ◆ Double front lights
 - ◆ Rear lights integrated into the dump body
 - ◆ Non-slip steps for cab access and egress
 - ◆ Acoustic reverse alarm
 - ◆ Maintenance-free service and parking brake
 - ◆ 12V battery
 - ◆ Rear view camera
- Cab - Comfort...**
- ◆ Cab suspension with 2 rear shock absorbers and front rubber blocks
 - ◆ Water motor - internal function/mixer
 - ◆ 12V battery
 - ◆ Bulbless interior lighting (no noise)
 - ◆ Service computer with hire menu
 - ◆ Maintenance-free plastic mud guards
 - ◆ Adjustable steering wheel
- Transmission...**
- ◆ Air-cooled transmission oil
 - ◆ Transmission with intelligent gear selection
 - ◆ Permanent 4-wheel drive
 - ◆ Rear axle with 100% hydraulic differential lock
 - ◆ Front axle with automatic limited slip
- Chassis...**
- ◆ Articulated with two hydraulic stabilisers
 - ◆ Constant tracking alignment of front and rear wheels
 - ◆ Two tyres for max. stability and low wear
 - ◆ 12° oscillation in centre pivot
- Miscellaneous...**
- ◆ 120 AMP Generator



OPTIONAL EQUIPMENT:

- ◆ 180 MultiTilt (range of beds)
- ◆ Warning lights
- ◆ Air suspension seat
- ◆ Radio/cassette player/stereo
- ◆ Heated side-view mirrors
- ◆ Electric step heater
- ◆ Tyres 17.5 x 25 BM (narrow)
- ◆ Trailer coupler - threaded plate/bolts
- ◆ Extended under edge for dump body
- ◆ Lock for oscillation - increased stability
- ◆ Rear light protection
- ◆ Bio hydraulic oil
- ◆ Front-mounted three-point hitch
- ◆ Hydraulic lift for the engine and transmission
- ◆ Central lubrication system

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