**STANDARD EQUIPMENT:**

- Large heated dual view mirrors with swivel joint
- Rear lights integrated in dump body
- Anti-parking light
- Anti-slip steps for cab access
- Automatic reversing alarms
- Maintenance free service and parking brake
- Rear view camera
- Hydraulic retarder

**Cab/comfort...**

- Climate Control system
- Air-suspended seat
- Visko-elastic cab suspension
- Bonnet with electric opening
- Front axle with suspension with automatic level control
- Multifunction joystick in right armrest
- Air filter and exhaust system located under hood
- 4 halogen front lights
- Computer-controlled instrument panel
- Two doors with easy access

**Chassis...**

- 12° oscillation in centre pivot
- Articulated with two hydraulic stabilisers in the pivot
- Weight transfer
- Hydraulic lines hidden/protected in centre pivot just above cardan shaft

**OPTIONAL EQUIPMENT:**

- Body exhaust heating kit
- Tail gate
- Rear lights protection
- Engine heater (220 v)
- Tyres: 800/45x30.5 20.5 R25 EM
- Electric fuel pump
- Automatic central lubrication system
- Zenon working lights
- Diesel heating - 9 kW

**6.4'' user-friendly TFT-display. Integrated rear view camera. (option)**

**All instrumentation is placed to the right of the operator for ease of use and access.**

**High quality, soft touch interior coating for ease of maintenance.**

**8 strategically placed working lights for optimum visibility. Optional Xenon lamps.**

**Electrically adjustable heated mirrors. (option)**

**Automatic entry light activated by the door switches.**

**Easily accessible radio with CD and MP3 player.**

**Adjustable ergo arm rests for comfortable operation in all situations.**

**Ergo high comfort seat with air option.**

**Fully adjustable climate control with optimally placed air nozzles.**

**12V and 24V sockets in the cab for tools etc.**

**Multi adjustable steering wheel.**

**Foto may show optional equipment - Subject to alterations - 07/2010**

**HYDREMA US Inc.**
**1200 Northmeadow Parkway, Ste 180**
**Roswell, GA 30076**
**Phone: +1 404 614 1747**
**Fax: +1 800 254 9481**
**hydrema@hydrema.com**
**STANDARD EQUIPMENT:**

- Large heated side-view mirrors with swivel joint
- Rear lights integrated in dump body
- Anti-parking lights
- Anti-rip steps for cab access
- Automatic reversing sensors
- Maintenance free service and parking brake
- Rear view camera
- Acoustic reversing alarm

**Cab/coach:**

- Climate Control system
- Air-suspended seat
- Visko-elastic cab suspension
- Bonnet with electric opening
- Front axle with suspension with automatic level control
- Multifunction joystick in right armrest
- Hydraulic lines hidden/protected in centre pivot just above cardan shaft
- Front lights
- Computer-controlled instrument panel
- 4 halogen front lights
- 20.5 R25 EM Tyres:
  - 800/45x30.5
  - Electric fuel pump
  - Automatic central lubrication system
  - Zenon working lights
  - Diesel heating – 9 kW

**Chassis:**

- 12 o oscillation in centre pivot
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**OPTIONAL EQUIPMENT:**

- Body exhaust heating kit
- Tail gate
- Rear lights protection
- Engine heater (220 v)
- Tyres: 800/45x30.5
- 20.5 R25 EM
- Electrically adjustable heated mirrors. (option)
- Automatic entry light activated by the door switches.
- Joysticks for easy control of body and gearshift.
- Spacious cab due to new profile angles and increased width between the profiles.
- Multi adjustable climate control with optimally placed air nozzles.
- High quality, soft touch interior coating for ease of maintenance.
- 6.4'' user-friendly TFT-display. Integrated rear view camera. (option)
- All instrumentation is placed to the right of the operator for ease of use and access.
- Multi adjustable steering wheel.
- Multi adjustable steering wheel. 12V and 24V sockets in the cab for tools etc.
- Fully adjustable climate control with wind deflectors
- Easily accessible radio with CD and MP3 player.
- Ergo high comfort seat with air option.
- Fully adjustable climate control with optimally placed air nozzles.
The Hydromax 922HM is the obvious choice for driving on soft terrain and in areas that demand the lowest possible ground pressure. Hydromax’s three-axe dump truck, with its unique articulated pivot joint and bogie with a wide steering angle, offers superior traction power, unmatched stability and the market’s lowest unladen weight and performance/weight ratio, as well as extreme low fuel consumption.

**Powerful hydraulic system**

The hydraulic system in the 922HM consists of four hydraulic pumps. This solution was chosen to ensure maximum traction for the machine’s function. The excavator’s lift and dumping function is the same as in the 922HM, with 100% ‘lock-up’ in all gears, which provides superior braking ability.

Electronic suspension and load control – ‘genuine’ bogie axles

The front axle is fitted with a new electronically controlled suspension system which allows for maximum safety and fuel efficiency. The front suspension is controlled via a joystick, which gives the operator the best possible traction in difficult operating conditions.

Brakes and loge brake

The wheels are fitted with ‘genuine’ loge brakes, enabling effective braking even when the engine is idling. The brakes are actuated hydraulically and have a very high degree of wear resistance. The loge brake is an innovative development in the 922HM, which ensures easy operation and provides great operator comfort.

**Transmission**

The driveline, on the side of the engine, drive the automatic transmission with six forward and three reverse gears. The automatic transmission is regulated to maintain a constant engine speed of 1,800 rpm. This is achieved by a fully automatic manual for low gears. The multi-disc clutch system is equipped with a very simple, maintenance-free design. The engine is placed according to careful studies of the human body and space around the cab.

**Engines**

The Cummins QSB 24-valve, 6.7 litre 6 cyl. tier III, with turbo and intercooler, 24-valve technology, power boost function, and a fully electronic fuel injection system. The engine is Tier III compliant and has a variable fuel consumption and is low on the road.

Computer-controlled instrument display

The Hydromax 922HM has a six-channel monitor which together provide superior braking ability. The display is equipped with text warnings if an abnormal situation arises. The display is braked with data collection for service and maintenance in order to maximise the service intervals.

**Dimentions**

<table>
<thead>
<tr>
<th>TECNICAL DATA:</th>
<th></th>
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<tbody>
<tr>
<td>Total weight</td>
<td>45,600 lb</td>
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<tr>
<td>Weight, front</td>
<td>14,400 lb</td>
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<tr>
<td>Weight, centre</td>
<td>13,400 lb</td>
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<td>Weight, rear</td>
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<td>Weight, front loaded</td>
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<td>35,600 lb</td>
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<td>Weight, rear loaded</td>
<td>29,500 lb</td>
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<td>Total weight with fitted tools</td>
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<tr>
<td>Approach angle, rear</td>
<td>67”</td>
</tr>
<tr>
<td>Turning radius, outer</td>
<td>27”</td>
</tr>
</tbody>
</table>

**Equipment**

- Engine: Cummins QSB 24 valve, 6.7 litre 6 cyl. tier III, with turbo and intercooler, 24-valve technology, power boost function, and a fully electronic fuel injection system. The engine is Tier III compliant and has a variable fuel consumption and is low on the road.

- Transmission: Automatic transmission with six forward and three reverse gears.

- Suspension: Electronic suspension and load control – ‘genuine’ bogie axles.

- Brakes: ‘Genuine’ loge brakes.

- Tipping time: Lower 5.5 sec., upper 7.5 sec.

- Turning radius, outer: 27”
The Hydromat 922HM is the obvious choice for driving on soft terrain and in areas that demand the lowest possible ground pressure. The Hydromat’s three-axle dump truck, with its unique articulated joint and bogies and a wide steering angle, offers superior traction performance, unmatched stability and the market’s lowest unladen weight and performance/weight ratio, resulting in extremely low fuel consumption.

Powerful hydraulic system

The hydraulic system for the 922HM comprises four hydraulic pumps. The solution was chosen to ensure that the entire machine functions smoothly, independently of the possible load capacity. The two pumps with constant flow and another with variable flow ensure the highest efficiency in the most demanding conditions.

The three-axle dump truck and the emergency steering function, the emergency steering function consists of a hydraulic system that can be positioned as the tipping function is actuated. On all models the location of the emergency steering function and the tipping function is fixed - not so with the Hydromat. In the 922HM, the variable pump for the steering system is fixed on the chassis, which ensures that the steering never feels sluggish, in energy efficient and very comfortable operation.

The 922HM has an exceptionally low unladen weight and thus is used for driving on very soft surfaces. The reason for this is the 922HM’s exceptionally low unladen weight.

Low unladen weight and superior traction power

The 922HM has an exceptionally low unladen weight and thus is used for driving on very soft surfaces. The reason for this is the 922HM’s exceptionally low unladen weight. All components are optimised precisely for the 922HM’s unique performance requirements. Because the Hydromat 922HM is specially designed for driving on very soft surfaces with extra wide tires (30.5 inch), it is possible to work both early and late in the season.

The 922HM breaks with traditional design principles for dump trucks in its class in a number of ways. Features ensure great stability during operation, even at very high speeds and when performing tipping operations, even when the dump truck is at maximum capacity.

The 922HM comes with a traditional design pump for the steering system in the dump truck’s front and rear axles. All components are optimised precisely for the 922HM’s unique performance requirements. Because the Hydromat 922HM is specially designed for driving on very soft surfaces with extra wide tires (30.5 inch), it is possible to work both early and late in the season.

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draws
draws...
The Hydrema 922HM is the obvious choice for driving on soft terrain in order to ensure that the demand is on available ground-pressure. Hydrema’s three-axle dump truck, with its unique articulated pivot joint and bogies with a wide steering angle, offers superior traction power, outstanding stability and the market's lowest unladen weight and performance/weight ratio, as a result of extremely low fuel consumption.

**Powerful hydraulic system**

The hydraulic system in the 922HM consists of four hydraulic pumps. This solution was chosen to ensure that the machine functions operate independently, with the least possible power consumption. Thus, it is possible to couple with constant adjustment of the tipping function, established in the center pivot, differential front axle suspension, and tipping. The joint steering function and the emergency steering function, the emergency steering function is the one that the vehicle can be positioned as the tipping is started. On most models the locking on the front axle and the tipping function is not allowed – so the individual operator.

The 922HM is designed as an articulated three-axle dump truck. The articulated chassis has pendulum bar and double hydraulic stabilizers in the pivot joint.

**Electronic suspension and level control**

The electronic suspension and level control (ESC/LC) is an option on all models. The ESC/LC is a fully automatic system which is easy to use and reliable, even in difficult conditions. ESC/LC can be switched off in any condition.

**Engine**

In difficult terrain a dump truck needs lots of engine power and traction force. Therefore the 922HM meets this requirement. The engine is Cummins turbo with intercooler, 24-valve technology, power boost function, and a fully electronic fuel injection system. The machine's function and reliability also ensure very low fuel consumption and low NOx levels.

**Transmission**

The transmission is placed on the center pivot. This ensures that the automatic transmission with six forward and two reverse gears. The transmission is also designed to be used as an adjustable three-axle dump truck. The transmission is an automatic transmission with six forward and two reverse gears. The transmission is an automatic transmission with six forward and two reverse gears.

**Brakes and brake design**

The foremost application of operational practice, operational practice, operational practice.

**Computer controlled instrument display**

The computer controlled instrument display is standard on all models.

**Electrical system**

The electrical system consists of four independent 24V circuits and the handbrake is a spring-action brake. The system is equipped with a 70 Ah alternator and 12V electrical outlets for the operator's own equipment.

**Standard equipment**

The standard equipment includes:

- A fully automatic instrument display.
- A fully automatic transmission with six forward and two reverse gears.
- A fully automatic suspension and shoring function.
- A fully automatic hydraulic steering function.
- A fully automatic differential lock and suspension.

The standard equipment is placed according to careful studies of the most optimal position for each function. The standard equipment includes:

- A fully automatic instrument display.
- A fully automatic transmission with six forward and two reverse gears.
- A fully automatic suspension and shoring function.
- A fully automatic hydraulic steering function.
- A fully automatic differential lock and suspension.

The standard equipment is placed according to careful studies of the most optimal position for each function.

**Cab**

The cab is designed as a fully enclosed, oil-immersed cab. The cab is equipped as standard with touch interior and all the instrumentation is electrically adjustable, heated mirrors.

**Safety**

Safety is optimal, the cab being fitted with easily accessible mount and dismount steps on both sides, as well as right and left air vents when driving. The cab is equipped with an advanced ergo-power shift system which ensures that the steering never feels sluggish, is energy efficient and very comfortable to use.

**Low unladen weight and superior traction power**

The 922HM has an exceptionally low unladen weight (17,630 lb) and the fuel consumption is also very low. It is designed as an articulated three-axle dump truck. The allocation is made primarily to guarantee the double hydraulic stabilizers in the pivot joint.

**Axle weights, centre (bogie)**

Axle weights, centre (bogie) 4,338 lb

**Hydraulic tank**

The hydraulic tank is 53 gal.

**Fuel tank**

The fuel tank is 80 gal.

**N Tipping angle**

The tipping angle is 72°.

**M Approach angle, rear**

The approach angle, rear is 67°.

**I Overhang, rear**

The overhang, rear is 56,5''.

**Transport height**

The transport height is 11'4''.

**E Max. height**

The max. height is 11'6''.

**Dimensions**

- Width: 96,5''
- Height, body: 100''
- Height, body with tail gate: 110''
- Height, body with tail gate and emergency brake: 120''
- Height, body with tail gate and emergency brake: 120''
- Height: 80''
- Width: 110.2''
- Wheelbase: 209''
- Overhang, fore: 32''
- Overhang, rear: 55.2''
- Wheelbase: 64.2''
- Length: 300''
- Approach angle, front: 75°
- Approach angle, rear: 67°
- Tipping angle: 20°
- Full dual-circuit brake system with oil-immersed disc brakes.
- Standard 24V electrical system with 70 Amp. alternator.
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- Standard 24V electrical system with 70 Amp. alternator.
Standard equipment:

- Large heated, dual-view mirrors with swivel joint
- Rear lights integrated in dump body
- Anti-parking lights
- Anti-rollover steps for cab access and egress
- Axle leveling system
- Maintenance line service and parking brake
- Rear view camera
- Hydraulic retarder

Cab/comfort:

- Climate Control system
- Air-suspended seat
- Visko-elastic cab suspension
- Bonnet with electric opening
- Front axle with suspension with automatic level control
- Multifunction joystick in right armrest
- Air filter and exhaust system located under hood
- 4 halogen front lights
- Computer-controlled instrument panel
- Two doors with easy access

Chassis:

- 12° oscillation in the center pivot
- Articulated with two hydraulic stabilisers in the pivot
- Weight transfer
- Hydraulic lines hidden/protected in the center pivot just above the cardan shaft

Optional equipment:

- Body exhaust heating kit
- Tail gate
- Rear lights protection
- Engine heater (220 v)
- Tyres:
  - 800/45x30.5
  - 20.5 R25 EM

- Electric fuel pump
- Automatic central lubrication system
- Zenon working lights
- Diesel heating - 9 kW

Cooling box in the cab for storing food and beverages.

Joysticks for easy control of body and gearshift.

8 strategically placed working lights for optimum visibility. Optional Xenon lamps.

Electrically adjustable heated mirrors. (option)

Automatic entry light activated by the door switches.

Easily accessible radio with CD and MP3 player.

Adjustable ergo arm rests for comfortable operation in all situations.

Ergo high comfort seat with air option.

Fully adjustable climate control with optimally placed air nozzles.

12V and 24V sockets in the cab for tools etc.

Multi adjustable steering wheel.