

DT22



CLASS-LEADING STABILITY. ULTRA-LOW GROUND PRESSURE. BUILT TO KEEP YOU MOVING

- New bigger ROPS cab, with additional seat
- Proportional retarder with smooth control
- Semi-automatic diff. locks in axles
- 10" touchscreen + camera view
- Dump height limit setting
- Enhanced LED lighting package

Hydrema

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HYDREMA
KEEPS YOU MOVING

TECHNICAL DATA

CHASSIS

Articulated chassis with pendulum bar and double hydraulic stabilizers in the center pivot. New longer cylinders, improving directional steering force. Class leading stability both when driving and unloading. Fuel tank 300 l. Ad Blue tank: 36,5 l. Oscillation: +/- 12°.

AXLES

Front: Rigid axle with electronically controlled suspension and level control. Individual level control on each side aligns the machine in optimal position. Improved differential lock with 75% locking action. Rear: Bogie axle with diff-lock and large pendulum angle. Both axles feature speed-sensors to monitor wheel rotation speed.

HYDRAULIC SYSTEM

Consists of 5 hydraulic pumps:

Pump 1: 31 l/min constant flow pump for brakes, stabilizer, differential lock and suspension.

Pump 2: 185 l/min variable pump for articulated steering.

Pump 3: 195 l/min constant flow pump for body/retarder. Pump 4: 195 l/min constant flow pump for additional retarder. Pump 5: 20 l/min pump for emergency steering.

BRAKES / RETARDER

Full dual-circuit, parallel, brake system with oil immersed disc brakes on all 6 wheels. Fail-Safe parking brake on the front axle. Maintenance free brakes. Additional safety is provided via a rearview camera that provides improved visibility. Emergency button to stop vehicle in a controlled manner. The Retarder is a combination of engine brake and a proportional hydraulic retarder controlled by the brake pedal. Max. Retarder Power: 230 kW/312 hp

ELECTRICAL SYSTEM

Standard 24V system with 70 Amp. alternator. Starter batteries: 2x 12V, 95Ah + Backup battery: 25Ah LiPo which powers sleep functions.

ENGINE

Cummins B6.7 liter 6 cyl. Stage-V engine with DOC, DPF and SCR catalyst with Ad-Blue additive. 24-valve common rail turbo diesel with intercooler and electronic variable turbocharger (used for engine brake). Max. Power: 231 kW/314 HP at 2200 rpm. Max. Torque: 1288 Nm at 1500 rpm. Updated ECM to meet Cyber Security Requirements.

TRANSMISSION

ZF ERGOPOWER 6WG-210 Aut. Transmission with 6 forward and 3 reverse gears. The transmission is equipped with 100% lockup in all gears and manual activated differential lock between the front and rear. Automatic or manual gearshift. Updated TCU with EC4 to meet Cyber Security Requirements. Max speed: Forward: 50 km/h - Reverse: 31 km/h. Max. tractive effort: 223 KN

DUMP TRUCK BODY

Body in high tensile Hardox 450 steel with-out side ribs. The double action tipping cylinders are located under the body for maximum protection. New angle sensor to maximize roll-over safety and monitor height limitations. Option: exhaust heated body and hydraulic activated tail gate. Tipping time: Up 7,5 sec. / Down 5,5 sec. Tipping angle: 70°.

STEERING

Hydrostatic steering with separate variable pump for steering function. Max. steering angle: +/- 38°

CAB

Spacious ROPS/FOPS approved cab with world-class overview, 10" touch screen with enhanced menus for personal settings and advanced diagnostics, central locking with FOB, DAB-radio with hands-free phone connection, Air-condition with 3-zones and 12 air-nozzles for optimal distribution, ROPS approved passenger seat and air suspended seat with ventilation and longitudinal damping. New improved arm rest. Adjustable steering wheel and multi-joystick control.

SAFETY

A brake indicator alerts you if the brakes are at risk of overheating.

SERVICE & EXTERIOR

Easy access for service and maintenance. Wide cab, which includes improved rain diversion. Single door access, window which can open on the opposite side. 16 LED working lights for optimal distribution.

DIMENSIONS		DT22	DT22/HM	DT20	DT22-2,55
Tires		600/60-30.5	800/45-30.5	920/45-25	20,5-R25
Machine weight	kg	15.900	16.300	16.500	16.600
Payload capacity	kg	20.000	20.000	18.000	20.000
Width over tyres	mm	2930	3180	3334	2250
Height (cabin)	mm	3485	3485	3455	3485
Ground clearance	mm	480	480	440	480
Wheelbase, bogie	mm	1636	1636	1636	1636
Wheelbase, front/rear	mm	3720	3720	3720	3720
Total length	mm	9223	9223	9223	9223
Turning radius	m	8,37	8,49	8,57	8,18
Ground pressure (full load)	kPa	131	98	85	146

