

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 79.3 gal. DEF tank: 9.6 gal. 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: 8.2 gpm constant flow pump for brakes, stabilizer, differential lock and suspension.
- Pump 2: 48.9 gpm variable pump for articulated steering.
- Pump 3: 51.5 gpm constant flow pump for body/retarder.
- Pump 4: 51.5 gpm constant flow pump for additional retarder.
- Pump 5: 5.3 gpm 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

SAFETY

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

ENGINE

Cummins B6.7 liter 6 cyl. EPA Tier 4 Final engine with DOC, DPF and SCR catalyst with DEF additive. 24-valve common rail turbo diesel with inter-cooler and electronic variable turbocharger (used for engine brake). Max. Power: 231 kW / 314 hp at 2200 rpm. Max. Torque: 1288 Nm / 950 lb-ft 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: 31 mph – Reverse: 19 mph

Max. tractive effort: 50,100 lbf

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.

ELECTRICAL SYSTEM

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

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/HM	DT22-2.55
Tires		600/60-30.5	800/45-30.5	920/45-25	20.5-R25
Machine weight	lbs	35,053	35,935	36,376	36,597
Payload capacity	lbs	44,092	44,092	39,683	44,092
Width over tires	in	115.35	125.20	131.26	88.58
Height (cabin)	in	137.20	137.20	136.22	137.20
Ground clearance	in	18.90	18.90	17.72	18.90
Wheelbase, bogie	in	64.41	64.41	64.41	64.41
Wheelbase, front/rear	in	146.46	146.46	146.46	146.46
Total length	in	363.11	363.11	363.11	363.11
Turning radius	ft	27.46	27.86	28.12	26.84
Ground pressure (full load)	psi	19.0	14.2	12.3	21.2



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