

DT6



THE FUTURE OF ZERO-EMISSION EARTHMOVING! THE DT6 COMBINES ELECTRIC DIRECT DRIVE AND ON DEMAND HYDRAULICS.

- Virtually silent. Urban Perfection!
- 5,5 tonnes payload
- Operator friendly, safe and robust
- High battery capacity
- Suspended cab with superb all round visibility
- Enables zero emission construction

Hydrema

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HYDREMA
KEEPS YOU MOVING

TECHNICAL DATA

CHASSIS

Articulated chassis with center pivot, and two double acting hydraulic stabilizers. The stabilizers give high stability when driving and tipping.

DUMPTRUCK BODY

3,5 m³ high tensile steel body. Tipping angle: 69° (the bottom of the body tips to 45° in relation to horizontal).

OPERATOR CAB

Spacious ROPS/FOPS approved cab with suspension and excellent visibility. Mechanical or optional air suspended seat. Adjustable steering wheel and electric joystick operation in the armrest.

180° MULTITIP

Compact body swivel system, driven by two double acting cylinders. The system makes it possible to dump the load continuously over a 180° slew range. A robust system mounted on a large slew bearing. Tipping function via two powerful double acting cylinders ensuring that the body is pulled down regardless of the machine's inclination. Tipping time: 10 s up / 7 s down.

BRAKES

Dual circuit hydraulic servo system, with oil immersed brake discs at all 4 wheels. The brakes are self-adjusting and maintenance free. The parking brake is a maintenance-free, electrohydraulic fail-safe system that engages the brake discs on the front axle.

ELECTRIC DRIVELINE

The high-performance demands of this machine have led to the development of a purpose-built electric platform, delivering maximum efficiency with minimal energy loss and exceptionally low noise levels. The system features the ZF eTrac electric drive system, with the traction motor integrated into the front axle. Both the traction motor and power electronics are liquid-cooled for optimal performance. Continuous: 37,5kW Peak: 55.9kW

ON DEMAND HYDRAULICS

Separate electric drive, ultra low noise hydraulic pump for steering, tipping and other auxiliary functions. This pump only runs on demand to minimize losses. Hydraulic power: 14 kW

DRIVING MODES

One pedal drive with 3 different drive modes for different acceleration and energy recovery: Power, Normal and Eco. Max. speed: 20 km/h.

CHARGING

The Hydrema DT6 comes with a powerful 18 kW integrated onboard charger. It can connect directly to standard type 2 charging stations or CEE 32A outlets. Under normal working conditions (8 hours), the DT6 will only need to charge during working breaks, securing maximal uptime - every day.

SPECIFICATIONS

Tyres		500/60x22,5	600/50x22,5	700/40x22,5
Machine weight	kg	5200	5250	5300
Carrying capacity	kg	5500	5500	5500
Width over tyres	mm	2180	2350	2550
Height (cabin)	mm	2560	2560	2560
Wheelbase	mm	2500	2500	2500
Overall length	mm	5560	5560	5560
Turning radius	mm	4920	4920	4950
Body volume (heaped)	m ³	3,5	3,5	3,5
Ground pressure (full load)	kPa	111	93	80

BATTERY

Liquid cooled 63 kWh Lithium ion batteries for maximum efficiency and power. Advanced Thermal Management optimizes battery performance and extends lifespan. Expected battery lifetime: 8-10 years.

STEERING

Separate electric motor to drive the Hydrostatic load sensing articulated steering. Two double acting cylinders, priority valve and integrated emergency steering. Steering cylinders with damping. Max, steering angle +/- 38°.

