

DT6 Electric Compact Dump Truck.

ZERO EMISSION



The new fully electric, articulated dump truck. The DT6 combines electric direct drive and on demand hydraulics. Designed with the same features as other well-known Hydrema dump trucks.

Key features

- » Ultra low noise level.
- » High battery capacity.
- » 5,5 tonnes payload.
- » Articulated chassis.
- » Suspended cab with superb all round visibility.
- » Operator friendly, safe and robust.
- » Enables zero emission construction.

Technical Data.

Chassis

Articulated chassis with center pivot point, and two double acting hydraulic stabilizers. The stabilizers gives 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 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 brake activating the brake discs in the front axle.

Electric driveline

The high performance requirements for this machine has resulted in a new purpose built electric platform offering maximum efficiency with minimum loss and an exceptional low noise level. The system is based on a liquid cooled 96 V ZF eTrac motor, transmission and axles.

Power: 29 / 69 kW (continuous / peak).

On demand hydraulics

Separate electric drive ultralow 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.

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°

Battery

Liquid cooled 63 kWh Lithium ion batteries for maximum efficiency and power. Thermal Management System to ensure optimum battery conditions and battery life.
Expected battery lifetime: 8-10 years.

Charging

Type 2 or CCE 16A onboard charging. A separate DC fast outboard charging unit is available. Depending on the working conditions and work cycle, the machine is capable of an estimated 8 hours of work, with additional charging during daily breaks.

Dimensions

		DT6 ELECTRIC		
		500/60x22,5	600/50x22,5	700/40x22,5
Tyres				
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



180° MultiTip



Lithium Ion Batteries



ZF eTrac Driveline