

707 Series - Compact Dump Trucks

707G 707G POWER+



The 707G is an articulated dump truck, designed with the safety features of a big truck. It provides a front facing cab, pivot steer & a hydrostatic transmission.

Key features

- » 7.3 ton payload
- » Superb all-round visibility
- » One-step entry for easy access
- » Proven high stability chassis with articulated pivot point and a very low center of gravity
- » Operator-friendly, safe and robust
- » Well-suited as a rental machine

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Technical Data

Chassis

Articulated chassis has a center pivot joint, and two double acting hydraulic stabilizers. The stabilizers give very high stability when driving and tipping. The fuel and hydraulic tanks are integrated in the front frame. Fuel tank: 20.6 gal. AdBlue tank: 5 gal. (Power+). Pivot oscillation +/- 12 °.

Axles

The axles have planetary hub reduction, and separate oil reservoirs in the hubs. The front axle has an automatic limited slip differential lock, and the rear axle has a hydro-mechanical differential lock. The front axle has integrated reduction gear for the hydraulic motor.

Transmission

The hydrostatic transmission has an 89cc variable piston pump that powers a 210cc variable piston motor. The transmission has 100% variable speed with constant 4-wheel drive and 3 driving modes:

Creep - max speed 4.66 mile/h. This makes it possible to adjust the speed precisely even at low speeds.

Normal driving mode - Max speed of 21 mile/h reached at 2200 rpm.

ECO - max speed of 18.6 mile/h reached at 1900 rpm. Provides increased comfort when driving on road because the max speed is reached at lower engine revs.

In all three driving modes, the Cruise Control can be engaged in order to retain a fixed speed. Constant 4 wheel drive.

Operator cab

The spacious cab is ROPS/FOPS-approved and offers both suspension and an excellent view. It also includes a mechanical or air suspended seat an adjustable steering wheel and a multi-joystick control. A/C as standard.

Steering

This model includes hydrostatic load-sensing pivot-steering with two double-acting dampening cylinders, priority valve and integrated emergency steering. Maximum steering angle +/- 38°.

Engine

55 kW: Cummins F3.8 Stage 5 with DOC and DPF. It is a 16-valve Common rail, turbo diesel engine with intercooler, electronic variable turbocharger and cooling EGR. Maximum Power: 75 hp (55 kW) at 1500 rpm. Maximum Torque: 295 ft lb (400 Nm) at 1300 rpm.

90 kW (Power+): Cummins F3.8 Stage 5 with DOC, DPF and SCR-catalysts with AdBlue additive. It is a 16-valve, Common rail, turbo diesel engine with intercooler and electronic variable turbo-charger. Maximum Power 122 hp (90 kW) at 2000 rpm. Maximum Torque: 369 ft lb (500 Nm) at 1500 rpm.

Both engine versions have a stop/start system, which stops the engine after idling for a set period of time (adjustable at an interval of 2-500 seconds). The engine turns on again auto-matically when the operator activates the throttle.

Hydraulic system

The hydraulic system includes a hydraulic pump with 15.5 gal/min for tipping and steering, priority valve for steering and a separate pump for brakes and stabilizers.

180° MultiTip

The 180 MultiTip is a 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. This robust system is mounted on a large slewing ball bearing. It includes a tipping function via two powerful double-acting cylinders, which ensures that the body is pulled down regardless of the machines inclination. Tipping time: 6 s up / 5 s down.

Dumptruck body

The 4.6 yd³ robot-welded body in high tensile steel. Tipping angle: 69° (the bottom of the body is tipping 45° in relation to horizontal).

Brakes

The brakes are a dual-circuit hydraulic servo system, with oil-immersed brake discs at all 4 wheels. They are self-adjusting and maintenance-free. The parking brake is a maintenance-free, electro-hydraulic fail-safe system activating the brake discs in the front axle.

Dimensions

		707G / 707G POWER+		
Tires		500/60x22,5	600/50x22,5	700/40x22,5
Machine weight	lb	11,794	11,905	12,015
Carrying capacity	lb	14,330	14,330	14,330
Width over tires	ft in	7'7"	7'10"	8'4"
Height (cabin)	ft in	8'5"	8'5"	8'5"
Ground clearance	ft in	1'2"	1'2"	1'2"
Loading height	ft in	6'2"	6'2"	6'2"
Wheelbase	ft in	8'2"	8'2"	8'2"
Overall length	ft in	17'4"	17'4"	17'4"
Turning radius	ft in	16'7"	16'7"	16'7"
Body volume (heaped)	yd ³	4.6	4.6	4.6
Ground pressure (full load)	psi	16.8	14.1	12

Subject to change. Photos may be shown with optional equipment. 0655532 - 05/2019



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