

922 Series dumptruck.

922F 922F 2.55



The obvious choice for earth-moving in soft terrain and areas demanding the lowest possible ground pressure.

Road version: 922F 2.55 - only 2.55 m wide.

Key features

- 20 tonne, three axle, articulated dumptruck.
- Bogie with wide pendulum angle.
- Lowest possible ground pressure.
- Lowest unladen weight on the market.
- Highest power to weight ratio on the market.
- Unmatched stability.
- Extremely low fuel consumption - Idle-Stop.

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Technical data.

Chassis

Articulated chassis with pendulum bar and double hydraulic stabilizers in the center pivot. Gives a high degree of stability both when driving and dumping. Fabricated in high tensile steel in order to obtain the highest possible strength and the lowest possible unladen weight. Fuel tank 300 L. Ad Blue-tank: 19 L. Oscillation: +/- 12°.

Axles

Front: Rigid axle with electronically controlled suspension and level control. Individual level control on each side aligns the machine when driving fast in curves. The front axle has a differential lock with 75% locking action. **Rear:** Heavy Duty bogie axle with reduction gear in the hubs. Simple and maintenance-free design. Large pendulum angle. The Bogie design gives constant wheels contact to all wheels and excellent off road performance.

Hydraulic system

Consists of 4 hydraulic pumps: **Pump 1:** 26 l / min constant flow pump for brakes, stabilizer, differential lock and suspension. **Pump 2:** 150 l / min variable pump for articulated steering. **Pump 3:** 170 l / min constant flow pump for tipping function and retarder. **Pump 4:** 64 l / min variable flow pump for emergency steering.

Transmission

ZF ERGOPOWER 6 WG 210 aut. transmission with 6 gear forward og 3 reverse. The transmission is equipped with 100% lock-up in all gears and manual activated differential lock between the front and rear. Automatic or manual gearshift. Max speed: Forward: 50 km - Reverse: 31 km. Max. track-tive effort: 207 kN / 45,200 lbf.

Engine

Cummins QSB 6.7 liter 6 cyl. Stage 4 engine with DOC and SCR catalyst with Ad-Blue additive. 24-valve common rail turbo-diesel with intercooler, electronic variable turbocharger and EGR with cooling. Max. Power: 218 kW / 296 HP at 2100 rpm. Max. Torque 1044 Nm at 1500 rpm.

Brakes / Retarder

Full dual-circuit brake system with oil-immersed disc brakes on all 6 wheels. Fail-Safe parking brake on the front axle. Maintenance-free brakes. Manually operated retarder with engine brake.

Electrical system

Standard 24V system with 70 Amp. alternator. Batteries: 2x 12V, 100Ah.

Steering

Servo activated hydrostatic steering. Separate variable pump for steering function. Max. steering angle: +/- 38°

Dumptruck body

Robot-welded dumptruck body in high tensile Hardox 450 steel without side ribs. The double action tipping cylinders are located under the body for maximum protection. Option: exhaust heatet body and automatically functioning Tail Gate. Tipping time: 7,5 sec. up / 5,5 sec. down. Tipping angle: 70°.

Cab

Spacious ROPS / FOPS approved cab with viscous mounts and excellent view. Air suspended seat. Adjustable steering wheel and multi-joystick control.

Dimensions

		922F	922F 2.55	922F
Standard tyres		600/60-30.5	EM 20.5R25	800/45-30.5
Machine weight	kg	15.900	16.600	16.400
Carrying capacity	kg	20.000	20.000	20.000
Width over tyres	mm	2930	2550	3180
Height (cabin)	mm	3440	3440	3440
Ground clearance	mm	480	480	480
Wheelbase, bogie	mm	1636	1636	1636
Wheelbase, front/rear	mm	3720	3720	3720
Total length	mm	9140	9140	9140
Body volume	m ³	12	12	12
Turning radius	m	8,37	8,18	8,52
Ground pressure (full load)	kPa	131	146	98



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