





**922HM**



## TECHNICAL DATA:

### Chassis:

Articulated chassis with pendulum bar and double hydraulic stabilizers in the center pivot. The two stabilizers provide a high degree of stability both when driving and when carrying out dumping operations. The chassis is fabricated in high tensile steel in order to obtain the highest possible strength and the lowest possible unladen weight.

Oscillation: ..... +/- 12°

### Axles:

**Front:** rigid axle with electronically controlled suspension and level control. Individual level control on each side enables the vehicle to remain level when driving fast round corners. The front axle has a differential lock with 75% locking action. **Rear:** heavy-duty bogie axle with reduction gear at the differential and slow-moving gear in the bogie boxes. Simple and maintenance-free design.

### Engine:

Cummins QSB 24 valve, 6,7 litre 6 cyl. tier III, with turbo and intercooler. 194 kW/264 hp at 2200 rpm. Power bulge: 201 kW/274 hp at 2000 rpm. Max. torque 990 Nm at 1300-1500 rpm. The engine is equipped with 24 valves and a fully electronically controlled common rail injection. The engine fan runs at variable revs according to cooling requirements. Latest engine technology which meets EPA tier III requirements for exhaust emission.

### Transmission:

ZF ERGOWPOWER 6 WG 210 automatic transmission with 6 forward gears and 3 reverse gears. The transmission is equipped with 100% "lock-up" in all gears, which electronically locks the connection between the engine and the transmission, and gives direct drive which bypasses the converter. A center differential is located in the transmission's output shaft in order to equalize the speed differential between the front and rear axle. The center differential has 100% differential lock. Electronic control of the transmission's shifting mechanism via a joystick (ZF Ergo 2), fully automatic or manual gearshift. Smooth gearshift which prevents wheel slip in difficult conditions.

Max. speed: forward: 31 mph / reverse: 19 mph

Max. tractive effort: 212 KN.

### Steering:

The new servo activated hydrostatic steering results in great comfort, since impacts from the terrain are not transferred through to the steering wheel.

Separate variable pump for steering function.

Max. steering angle: ..... +/- 38°

### Brakes:

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. The brakes can be activated by a push button before dumping operations are commenced.

### Retarder:

Exhaust brake and hydraulic retarder. Automatic controlled exhaust brake via engine. The hydraulic retarder can be engaged manually when needed.

### Hydraulic system:

The hydraulic system consists of 4 independent hydraulic pumps:

**Pump 1:** 8,5 gpm. constant flow pump for brake, stabilizer, differential lock and suspension.

**Pump 2:** 40 gpm. variable flow pump for pivot steering.

**Pump 3:** 45 gpm. constant flow pump for tipping function.

**Pump 4:** 17 gpm. variable flow pump for emergency steering.

### Electrical system:

Standard 24V el. system with 70 Amp. alternator.

### Tires:

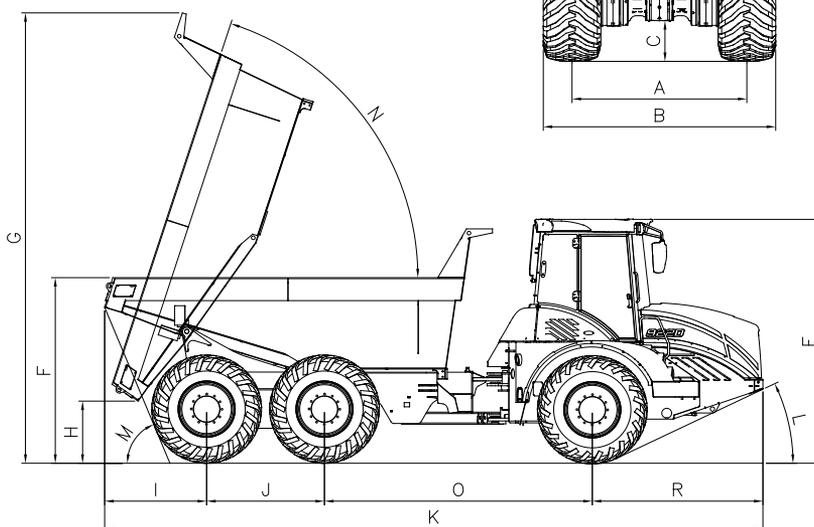
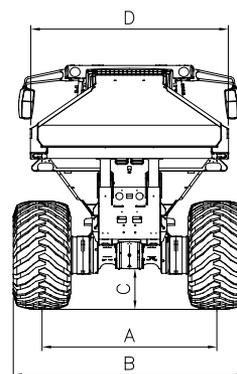
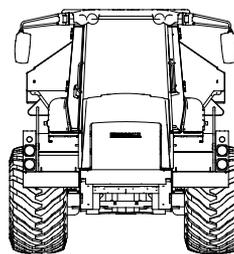
800/45-30.5 - Ground press., load.: 11,9 psi.

### 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. As an option, the dumptruck body can be supplied with exhaust heat and an automatically functioning Tail Gate.

## DIMENSIONS:

Total weight	79,610 lb
Unladen weight	35,540 lb
Load capacity	44,070 lb
Axle weights, front (unladen)	17,630 lb
Axle weights, centre (bogie)	8,600 lb
Axle weights, rear (bogie)	8,600 lb
Axle weights, front (loaded)	23,800 lb
Axle weights, centre (bogie)	27,550 lb
Axle weights, rear (bogie)	27,550 lb
B Total width: Tyres: 800/45-30.5	3,240 mm
C Ground clearance	19 "
D Width, body	9'0 "
E Max. height	11'6 "
Transport height	11'4 "
F Loading height	8'6 "
G Height raised body	20'8 "
H Tipping clearance	32 "
I Overhang, rear	55,5 "
J Wheel base, bogie	64,5 "
K Length	30'0 "
L Approach angle, front	25 °
M Approach angle, rear	67 °
N Tipping angle	72 °
O Wheel base	146 "
R Overhang, front	129 "
Body capacity, level	11,6 y <sup>3</sup>
Body capacity, heaped	15,7 y <sup>3</sup>
Tipping time, raise	7.5 sec.
Tipping time, lower	5.5 sec.
Turning radius, outer	27'9 "
Fuel tank	80 gal.
Hydraulic tank	53 gal.



Courtesy of Machine.Market

