



SKT90S

WIDE BODY DUMP TRUCK

Mining Hero
Leading future with wisdom



High reliability

With high-strength and low-stress frame, the integral stress level is 50% lower than that of similar products.



High security

Hydraulic steering, emergency steering
Emergency action is available after losing power accidentally.



High comfort

Front suspension adopts hydro-pneumatic suspension instead of traditional leaf spring to make driving more comfortable.



High attendance rate

Low failure rate and high attendance rate greatly improve the profit capability and reduce the maintenance cost.



Smart electronic control system

Smart network, smart protection, preventive maintenance, procedure remote upgrade.

Main technical parameters

Items	Parameters
Body capacity (m ³)	Struck 33 / Heaped 38
Gearbox	FC6A250DPR
Engine power (kW/ rpm)	390/2,300
Axle (t)	25+35+35
Steering form	Full hydraulic steering + emergency steering
Suspension structure	Front hydro-pneumatic suspension + rear leaf spring suspension
Frame structure	Riveted integral frame
Displacement (L)	12.54
Max. gradeability (%)	30
Min. ground clearance (mm)	325
Min. turning radius (mm)	11,000

Weight parameters

Weights	kg	lb
Net weight	32,000	70,485
Rated payload	60,000	132,160
Max. gross weight	92,000	202,645

* The maximum gross vehicle weight includes alternative devices, all accessories and load, etc.

Overall dimensions

Overall dimensions	Value
Length (mm)	9,107
Width (mm)	3,660
Height (mm)	4,530

Engine

- Model: Weichai WP13G530E310
- Rated power rate: 390kW/2100rpm
- Maximum torque : 2300N.m
- Engine emission conforms to GB20891-2014 standard.

Axle

- Heavy-load and full-floating semi-axle has strong carrying capacity.
- Enhanced main retarder and wheel side reducer have double-stage driving and larger driving force.
- High-strength cast steel axle housing, reliable and durable.

Steering system

- Full hydraulic steering, convenient, comfortable, reliable.
- Emergency steering provides backup steering force when losing steering force.

Dumping system

- \varnothing 196 lifting cylinder, the lifting process of single front cylinder is stable and reliable.

Cab

- Full-frame structure ensures safety of drivers.
- Extra large front windshield ensures wider driving vision.

Tire

- Tire model: 16.00R25 (select appropriate patterns according to working conditions)

Suspension

- Front suspension: non-independent hydro-pneumatic spring suspension with hydro-pneumatic (nitrogen) suspension cylinder with the characteristic of variable damping. It has large energy storage unit and variable stiffness to absorb the impact on the road.
- Rear suspension: equipped enhanced leaf spring, maintenance-free balance shaft and tie rod.
- Balance shaft: \varnothing 130 mm maintenance-free balance shaft.

Body

- Container skeleton adopts pulling-through structure with higher strength.
- Main steel plate adopts high strength wearing plate with longer service life.
- Volume: struck: 33 m³; heaped: 38 m³

Transmission

- Model: FC6A250DPR
- Flexible automatic gear shift with small impact.
- Hydraulic torque converter, stronger driving force.
- Hydraulic retarder, stable speed control when going downhill.

Optional configurations

Part	Options
Tail-rising hopper	Load and unload large-diameter materials
Centralized lubrication system	Fill grease automatically
Automatic fire extinguishing system	Automatic fire extinguishing in engine compartment
Air suspension seat	Improve driving comfort
Vacuum tire	Tubeless tire
Braking sprinkler	Spray on the rake drum to lower its temperature
Hydrodynamic retarder	Assist braking, providing force of retarder
Extended brim	The brim covers the cab

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