



SKT105S

(AUTOMATIC TRANSMISSION)

WIDE-BODY DUMP TRUCK



Mining Hero
Leading future with wisdom



High Reliability

Secure welded frame and full oil-gas suspension features extended service life.



High Security

Hydraulic steering and emergency steering system can supply backup steering power immediately.



High Comfortability

Oil-gas suspension replaces the traditional leaf spring structure for higher operational comfortability.



High Serviceability

Low failure rate and high attendance features higher profitability and lower maintenance cost.



Smart Monitoring System

Apply intelligent networking, intelligent protection, predictive maintenance, and remote program update system.

Main technical parameters

Description	Specifications
Payload (t)	65
Max. gross weight* (t)	96
Struck/heaped loading capacity (m ³)	35/42
Engine power (kW/rpm)	390/2,100
Max. gradeability (%)	30
Tires	16.00R25
Min. turning radius (m)	< 12
Displacement (L)	12.54
Min. ground clearance (mm)	330

*The maximum gross weight of the machine contains the weights of the optional devices, components and loadings, etc.

Dimension

Dimension	Specifications
Length (mm)	9,200
Width (mm)	4,000
Height (mm)	4,100

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Reminder:

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Engine

- Model: Weichai WP13G530E310
- Rated power: 390kW/2100rpm
- Max. torque: 2300N · m
- The emission of the engine complies with GB20891-2014 standard.

Axle

- Heavy loaded type and full-floating semishaft features high loading capacity.
- Enhanced main retarder and hub reduction gear comprises two grades of reducer and provides a stronger driving force.
- High-strength casting steel ensures reliable and durable axle housing.

Steering system

- Full-hydraulic steering features easy, comfortable, and reliable operation.
- Configured with an emergency steering system that is able to provide backup power in the event of steering power loss.

Hoist system

- Reliable high-pressure and large discharge capacity plunger pump reduces elevating time to less than 20s.
- Double elevating cylinders to protect against roll-over and ensures smooth and safe elevation.

Suspension

- Full oil-gas suspension to improve the operational comfortability.
- High vibration isolation efficiency for comfortable driving and minimizing the vibration of the machine.
- Qualified bench durability test features a long service life.

Body

- The frame of the tilter is in a penetrating structure with high strength.
- The main steel plate is strong, abrasion-resistant, and with extended service life.
- Struck: 35m³. Heaped: 42m³

Cab

- Full-frame structure to protect the security of the operator.
- Large panoramic windshield provides an extra open view.

Frame

- Integrated welded frame provides higher loading capacity.
- Qualified frame durability test features extended service life.

Gear box

- Model: Allison 4800RS_PR.
- Smart automatic gear-shifting provides smoother driving experience.
- Configuring with a hydraulic torque converter provides higher driving power.
- Configuring with a hydraulic retarder provides reliable downhill speed control.

Optional configurations

Part	Options
Tilter	Tilted hopper (optional long brim)
Lubrication	Automatic lubricating system
Fire prevention	Automatic fire prevention system
Seat	Air suspension seat
Tires	Vacuum tires



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