



SKT40S

MINE SPRINKLER

Mining Hero
Leading the future with wisdom



High reliability

High-strength, low-stress carrier frame, the overall stress level is 50% lower than similar products.



High security

Hydraulic steering+emergency steering, avoiding danger after accidental loss of power.



High comfort

Replace the traditional leaf spring structure with a hydro-pneumatic suspension, greatly improving the driving comfort.



Long service life with little maintenance needed

Aluminum alloy water pump (stainless steel impeller), stainless steel valve, with long service life.



Intelligent electronic control system

Intelligent network connection, intelligent protection, predictive maintenance, upgraded remote controller.

Main technical parameters

Item	Parameter
Engine power (Kw/rpm)	338/2100
Gearbox	7DS200
Water tank rated volume m ³	40
Axle (t)	20+35+35
Steering form	Full hydraulic steering + emergency steering
Suspension structure	Front hydro-pneumatic suspension + rear leaf spring suspension
Carrier frame structure	Riveted one-piece carrier frame
Spraying width	≥10m
Parameters of water pump	Flow 60 m ³ / Lift 90 m
Monitor reach	≥50m

Weight parameters

Weight parameters	kg	lb
Dead-weight of truck	29,500	64,980
Rated load weight	40,000	88,106
Maximum gross vehicle weight*	69,500	153,084

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

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Reminder:

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Engine

- Model: Weichai WP12G460E310
- Rated power: 338 kW/2100 rpm
- Maximum torque: 2,000 N.m
- The engine emission complies with GB20891-2014 exhaust emission limits for exhaust pollutants from diesel engines of off-road mobile machinery (non-road III stage).

Drive axle

- Heavy load type, full floating axle shaft, compact structure and large transmission torque of final drive, with reinforced planetary wheel reducer and high-strength cast steel axle housing.
- Rear axle speed ratio: 12.87.

Steering system

- Full hydraulic steering+emergency steering to improve driving comfort. The steering is light and reliable. It can avoid danger after the car loses power by accident.

Sprinkler system

- The switch of the operating system is clearly marked, and the ball valve is operated by the solenoid valve to realize the opening and closing of the relevant valve for different operations. Users can operate the front watering, rear watering, pressure-free watering, spraying and water cannon spraying in the cab, which is convenient and efficient;
- The customized aluminum alloy water pump has high pressure, long range and long service life.

Suspension

- Front suspension: non-independent hydro-pneumatic spring suspension, provided with oil/gas (nitrogen) suspension cylinder with variable damping characteristics. It has such characteristics as large unit energy storage and variable stiffness, and can well absorb the impact from the road;
- Maximum impact stroke: 160 mm;
- Rear suspension: reinforced leaf spring+maintenance free balance shaft+tie rod;
- Rear leaf spring size: 15×27 mm×120 mm (pieces×thickness×width)
- Balance shaft: maintenance free balance shaft with shaft diameter of ø136mm

Water tank

- The tank body is painted with modified polymer resin and special anti-corrosion material, which has good aging resistance and corrosion resistance, and prolongs the service life of the tank body;
- The interior of the tank is designed with a wave-proof board and a through beam to effectively reduce the impact of the medium inside the tank on the tank head, and improve the driving stability of the vehicle.

Cab

- Full skeleton structure to improve safety. Large area front windshield design provides the driver a wide vision. Mechanical suspension seat, standard cooling and heating air conditioner, surrounding instrument panel and adjustable steering wheel provide the driver a more comfortable working space.

Tires

- Tire model: 14.00R25

Differentiated configuration selection

Parts	Description of optional devices
Tires	14.00R25 Steel wire tire (Techking SUPER ETOT) E-3
	14.00R25 Steel wire tire (Aeolus AE35) E-3
	14.00R25 Steel wire tire (forward GLR09) E-3
	14.00R25 Steel wire tire (Techking T-MAN)E-4
Auxiliary brake	Hydraulic retarder
	Brake spray assembly
Fuel tank	Main and auxiliary fuel tanks

Overall dimension

Overall dimension	Parameter
Body length (mm)	11,300
Body width (mm)	3,500
Body height (mm)	3,950

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