

SANY®

FORGING THE FUTURE TOGETHER



90 tonnes/99 tons



149 tonnes/164 tons



≥ 926 kW

SKT130S

SANY Off-Highway Mining Truck

TECHNICAL DATA

OVERALL PARAMETERS	UNIT	VALUE
Overall dimensions: L × W × H	mm/in	11,275×5,810×4,900 (10,450) 444×229×193 (411)
Wheelbase	mm/in	3,430/135
Front track width	mm/in	3,250/128 (Dry disc) 3,510/138 (Wet disc)
Rear track width	mm/in	3,525/139
Ground clearance	mm/in	560/22
Min. steering radius	mm/in	13,500/531
Gross power	kW/hp	566+140+220/758+310+450
Battery capacity	kW/h	148
Max. speed	km/h	50
Max. gradeability	%	> 30
Struck SAE	m³/yd³	50/66
Heaped SAE 2:1	m³/yd³	61/80
Axle	t	35+55+55

FLUID CAPACITIES

FLUID CAPACITIES	L
Engine (Engine Oil)	42
Engine cooling system (Coolant)	120
Motor & electronic control cooling system (Coolant)	29
Traction battery thermal management system (Coolant)	35
Hydraulic tank (Hydraulic oil)	300 (Dry disc) / 330 (Wet disc)
Brake cooling tank (Hydraulic oil)	340 (Wet disc only; not applicable to dry disc models)
Middle & rear axles (Gear oil)	291 (Dry disc) / 315 (Wet disc)
Transmission (Transmission oil)	30
Hydraulic retarder (Engine oil)	6.5

WEIGHT DISTRIBUTION

AXLE LOAD	FRONT AXLE	REAR AXLE
Unloaded	42%	58%
Loaded	21%	79%

WEIGHT PARAMETERS

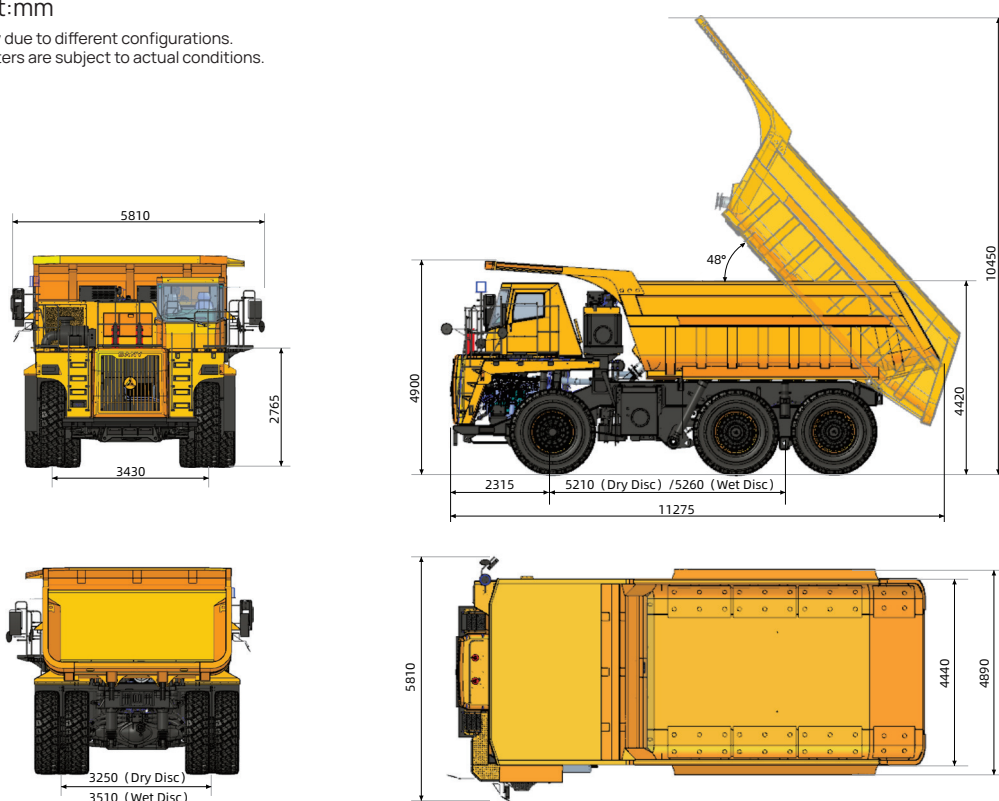
ITEM	Dry Disc Models	Wet Disc Models
Net weight	59,000 kg	6,300 kg
Rated payload	90,000 kg	90,000 kg
Max. gross weight	149,000 kg	153,000 kg

*The maximum gross vehicle weight (GVW) includes optional equipment, all accessories, fully filled fuel tank, loadings, etc. Overload will seriously deteriorate the lives of the components and the truck!

OVERALL DIMENSIONS

Dimension Unit: mm

* Dimensions may vary due to different configurations.
The specific parameters are subject to actual conditions.





Engine

Model: Weichai WP17TG770E304;
Type: high pressure common rail, turbocharged intercooled;
Rated power: 566kW/1900rpm;
Max. torque: 3300Nm/1200rpm~1600rpm;
Number/type of cylinders: Inline 6-cylinder Turbocharged;
Cylinder bore × stroke: $\Phi 142\text{mm} \times 175\text{mm} / \Phi 5.6'' \times 6.9''$;
Displacement: 16.6L.



Traction Battery

CATL lithium iron phosphate (LFP) battery, rated energy storage: 148.66 kWh;
High-power battery with a continuous discharge rate of 2.8C.



Motor

Electric drive system	Rated/peak power (kW)	Rated/peak torque (Nm)	Max. speed (rpm)
IM	140/300	930/2,300	1,500/3,600
TM	220/450	1,320/2,840	1,600/4,000



Brakes

Service Brake: Standard dry disc air brake; optional wet hydraulic brake (front dry disc + middle & rear wet disc).

Auxiliary Brake: Triple auxiliary braking – electric retarder, hydraulic retarder, and engine brake; mechanical brakes can be omitted on gradients below 18%.

Parking Brake: Spring-applied.



Steering

Independent hydraulic steering with closed-center steering valve, pressure compensating piston pump and accumulator. Accumulator provides uniform steering regardless of engine speed. In the event of loss of engine power, it provides emergency power to system for steering;

Min. turning radius: 13,000mm;



Tires

Standard: 21.00R33 Tubeless Tires;
Specification of wheel rim: 33-15.00/3;



Frame

Dual variable-section box structures welded from high-strength alloy steel plates and steel castings, integrated with the FOPS/ROPS structures to achieve excellent bending capacity, strong distortion resistance, endurant impact ductility and extended life.



Suspension

Independent front suspension. The smaller swing arm motion reduces the lateral displacement of tires and prolongs the lives of tires. It features extended life and maintenance period.

Front suspension travel: 220mm (8.7 in);

Rear suspension travel: 250mm (9.8 in).



Hoist

Independently hydraulic system with retarders at limiting positions. Two 3-section hoist cylinders are mounted on both sides of the frame rails to keep stable of body while raises the body.

Body hydraulic pump flow rate: (1,900rpm) 323L/min (85USgal/min);

Lifting ≤ 20s, Lowering ≤ 19s.



Body

The body is U- structure. The side plates are constructed from extra wide high tensile strength abrasion-resistant steel. The body is highly impact resistance and needs lower load height. Tilted angle 48°;

Standard thickness: Floor: 16mm; Side: 10mm; Front: 12mm;

Struck: 50m³ (66yd³);

Heaped 2:1 (SAE std): 61m³ (80yd³).



Cab

FOPS/ROPS certified. Equipped with integral four-pillar tipping protection design, adjustable cushioned seat, luxury upholstery, and tiltable and telescopic steering wheel to provide a comfortable operating space;

The cab conforms to the requirements of ISO 3471. The cab provides a sound exposure Leq (equivalent sound level) of less than 78 dB(A) when tested with doors and windows closed.

OPTIONAL EQUIPMENT	NOTE
Tire pressure monitor	Realtime tire pressure and temperature monitoring
Automatic fire suppression	12L Water-Based Fire Extinguisher
Collision warning & fatigue monitoring	Anti-collision radar + driver facial recognition system
Automatic weighing system	Real-time loaded weight monitoring
Cold region configuration	Low-temperature start, cab heating, and coolant heating
12.1" touch screen	Large-screen display for convenient operation
Dry disc brake	-

*Overload will seriously deteriorate the lives of the components and the truck.

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.

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