



Max. Gross Machine Weight
Net Machine Weight
Payload
Engine
Rated Power
Struck Capacity
Heaped Capacity (SAE 2:1)

105,000 kg
35,000 kg
70,000 kg
YC6K520-GT30
382 kW (512 hp / 519 ps) @ 1,900 rpm
36 m³
43 m³

DW105A MINING TRUCK

TOUGH WORLD. TOUGH EQUIPMENT.

DW105A SPECIFICATIONS >>>

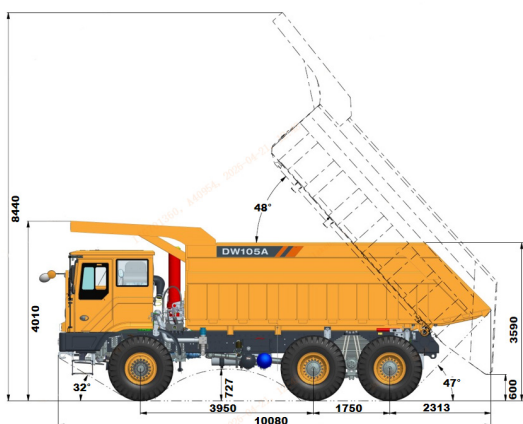
ENGINE	
Emissions Rating	Tier 3 / Stage III
Manufacturer	Yuchai
Model	YC6K520-GT30
Rated Power	382 kW (512 hp / 519 ps) @ 1,900 rpm
Peak Torque	2,400 N·m @ 1,100-1,500 rpm
Displacement	12.939 L
Number of Cylinders	6

TRANSMISSION	
Model	8DS240A
Max. Speed	43.5 km/h
Retarder Type	Built-In retarder, optional

AXLE	
Front Axle Rated Load	25,000 kg
Mid & Rear Axle Rated Load	40,000 x 2 kg
Suspension Form	Front hydro-pneumatic; rear leaf spring
Total Reduction Ratio	16.641
Max. Gradeability	≥32%

BRAKING	
Service Brake	Dual-circuit drum air pressure
Parking Brake	Spring-applied, air-release
Service Braking Gradeability (Load)	≥20%
Parking Braking Gradeability (Load)	≥15%
System Pressure	1 Mpa
Air Tank Capacity	210 L

STEERING	
Steering System	Full hydraulic steering
System Pressure	16 MPa
Turning Radius (Front)	≤12,000 mm



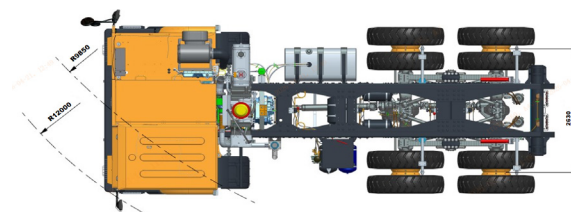
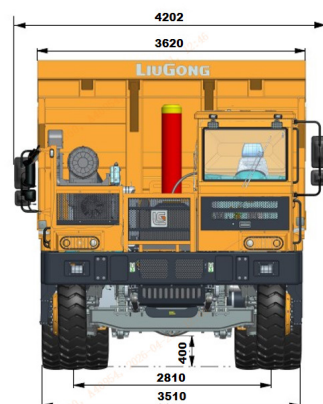
Unit: mm

HOIST	
Raise Time	≤25 s
Lower Time	≤25 s
System Pressure	23 MPa

WEDGE TAIL BODY DIMENSIONS	
Body Interior Size	6,876 mm x 3,440 mm x 1,750 mm
Dump Angle	48°
Struck Capacity	36 m ³
Heaped Capacity (SAE 2:1)	43 m ³

TIRE AND RIM	
Drive Type	6 x 4
Tire Size	16.00 R25
Rim	11.25 / 2.0-25

GENERAL DIMENSIONS	
Overall Length	10,080 mm
Overall Width	3,620 mm
Overall Height	4,010 mm
Loading Height (Struck)	3,590 mm
Wheelbase	3,950 + 1,750 mm
Track	2,810 + 2,630 mm
Min. Ground Clearance	400 mm
Thickness of Floor Plate	18 mm
Thickness of Side Plate	10 / 12 mm
Thickness of Front Plate	10 / 12 mm



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

04/2026 Designed by Liugong
Replace the previous version of 05/2025