



Max. Gross Machine Weight	109,500 kg
Net Machine Weight	39,500 kg
Payload	70,000 kg
Engine	TZ380XSLG500A
Rated Power	500 kW (671 hp / 680 ps) @ 1,700 rpm
Struck Capacity	36 m ³
Heaped Capacity (SAE 2:1)	43 m ³

DW105A-E ELECTRIC MINING TRUCK

DW105A-E SPECIFICATIONS >>>

DRIVE MOTOR

Manufacturer	Jiang Su Weiteli Motor Co.,Ltd
Motor Type	TZ380XSLG500A
Type	PMSM
Platform Voltage	600 V
Rated / Peak Power	500 kW (671 hp / 679 ps) / 700 kW (939 hp / 952 ps)
Rated / Peak Torque	2,800 / 4,800 N·m
Rated / Peak Speed	1,700 / 3,500 rpm
Rated Heating Power of Motor	15 kW (20.1 hp / 20.4 ps)

TRANSMISSION

Model	Fastgear 4E300
Gear and Speed Ratio	6.508 / 3.995 / 2.123 / 1
Retarder Type	Electric retarder

AXLE

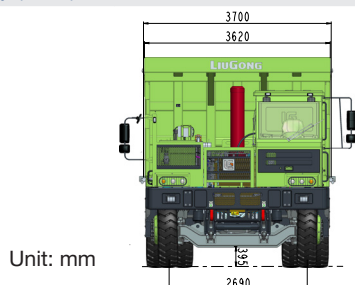
Front Axle Rated Load	25,000 kg
Mid and Rear Axle Rated Load	40,000 × 2 kg
Suspension Type	Front hydro pneumatic suspension / Rear plate spring suspension
Total Speed Ratio	18.722
Max. Gradeability	≥41%

POWER BATTERY

Manufacturer	Contemporary amperex technology Co.limited
Battery Pack Model	L228C11
Power Battery Capacity	423 kWh
Type	Lithium iron phosphate
Assembly Combination Mode	Series connection:4 Parallel connection:3
Assembly Voltage	618 V

BRAKING

Service Brake	Dual loop drum air pressure
Auxiliary Brake	Motor reverse drag retarding braking
Pressure	10 bar
Air Tank Capacity	210 L
Service Braking Gradeability (Load)	>20%
Park Braking Gradeability (Load)	>15%



STEERING

Steering System	Full hydraulic steering
System Pressure	16 MPa
Turning Radius (Front)	≤11,000 mm

HOIST

Body Lifting Time	≤25 s
Body Drop Time	≤25 s
System Pressure	20 MPa

BODY

Interior Dimension of Body	6,250 × 3,400 × 1,750 mm
Lifting Angle	48°
Struck Capacity	36 m ³
Heaped Capacity	43 m ³

TIRE AND RIM

Drive Type	6×4
Tire Size	16.00R25
Rim	11.25/2.0-25

DIMENSIONS

Overall Length	9,550 mm
Overall Width	3,700 mm
Overall Height	4,070 mm
Loading Height	3,580 mm
Wheel Base	3,950 + 1,750 mm
Wheel Tread	2,690 + 2,635 mm
Min. Ground Clearance	395 mm

