



DW105AE

MAX. GROSS MACHINE WEIGHT	112,000 kg
NET MACHINE WEIGHT	42,000 kg
PAYLOAD	70,000 kg
MOTOR TYPE	TZ380XSLG500B
RATED POWER	500 kW (671 hp / 680 ps) @1,989 rpm
STRUCK CAPACITY	36 m ³
HEAPED CAPACITY (SAE 2:1)	43 m ³



B A T T E R Y E L E C T R I C V E H I C L E

TOUGH WORLD. TOUGH EQUIPMENT.

DW105AE SPECIFICATIONS >>>

DRIVE MOTOR

Manufacturer	Jiang Su Weiteli Motor Co.,Ltd
Motor Type	TZ380XSLG500B
Type	PMSM
Platform Voltage	600 V
Rated / Peak Power	500 kW (671 hp / 679 ps) / 700 kW (939 hp / 952 ps)
Rated / Peak Torque	2,400 / 4,800 N·m
Rated / Peak Speed	1,989 / 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 Reduction Ratio	18.722
Max. Gradeability	≥ 35%

POWER BATTERY

Manufacturer	CATL
Battery Pack Model	L268D05
Power Battery Capacity	528 kWh
Type	Lithium iron phosphate
Assembly Combination Mode	Series connection:2 Parallel connection:3
Assembly Voltage	656 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)	≤ 12,000 mm

HOIST SYSTEM

Raise Time	≤ 27 s
Lower Time	≤ 25 s
System Pressure	20 MPa

BODY

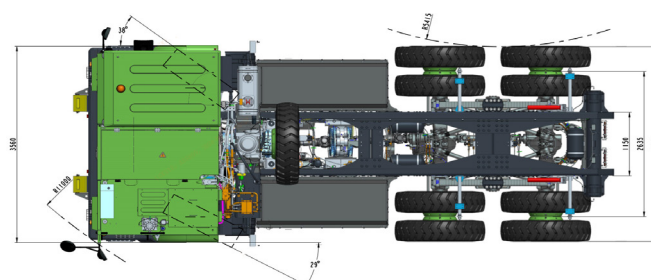
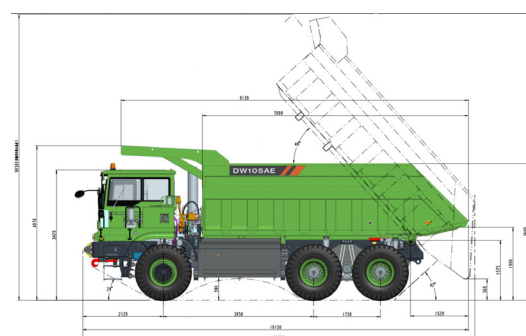
Interior Dimension of Body	7,040 × 3,400 × 1,900 mm
Lifting Angle	48°
Struck Capacity	36 m³
Heaped Capacity	43 m³

TIRE AND RIM

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

DIMENSIONS

Overall Length	10,150 mm
Overall Width	3,700 mm
Overall Height	4,070 mm
Loading Height	4,000 mm
Wheel Base	3,950 + 1,750 mm
Wheel Tread	2,690 + 2,635 mm
Min. Ground Clearance	345 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.

05/2025 Designed by Liugong
Replace the previous versions of 03/2025