



# DW105AE

<b>MAX. GROSS MACHINE WEIGHT</b>	111,000 kg
<b>NET MACHINE WEIGHT</b>	41,000 kg
<b>PAYLOAD</b>	70,000 kg
<b>MOTOR TYPE</b>	TZ380XSLG500B
<b>RATED POWER</b>	500 kW (671 hp / 680 ps) @1,700 rpm
<b>STRUCK CAPACITY</b>	36 m <sup>3</sup>
<b>HEAPED CAPACITY (SAE 2:1)</b>	43 m <sup>3</sup>



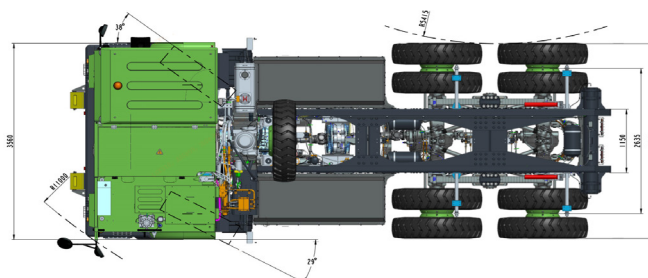
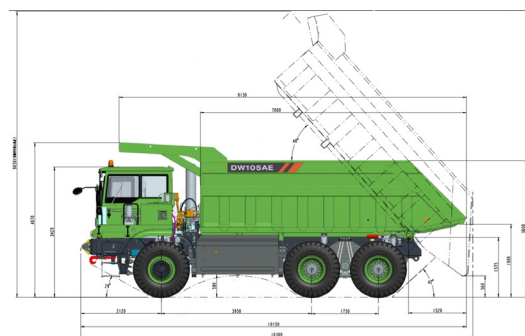
B A T T E R Y   E L E C T R I C   V E H I C L E

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	≥ 30%
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	15 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	6,876 × 3,440 × 1,750 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.

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