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Max. Gross Machine Weight	95,500 kg
Net Machine Weight	35,500 kg
Payload	60,000 kg
Engine	TZ400XS020A
Rated Power	500 kW (671 hp / 680 ps) @ 1,700 rpm
Struck Capacity	32 m^3
Heaped Capacity (SAE 2:1)	38 m^3

DW90A-E ELECTRIC MINING TRUCK

TOUGH WORLD. TOUGH EQUIPMENT.

DW90A-E SPECIFICATIONS >>>

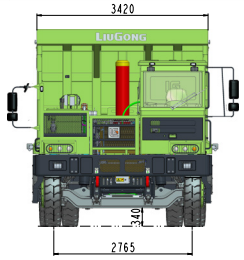
DRIVE MOTOR	
Manufacturer	Zhe Jiang CRRC Shangchi Electric Co., Ltd
Motor Type	TZ400XS020A
Type	PMSM
Platform Voltage	600 V
Rated / Peak Power	500 kW (671 hp / 679 ps) / 700 kW (939 hp / 952 ps)
Rated / Peak Torque	2,800 / 4,800 N·m
Rated / Peak Speed	1,700 / 3,500 rpm
Rated Heating Power of Motor	15 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	20,000 kg
Mid and Rear Axle Rated Load	35,000 × 2 kg
Suspension Type	Front hydro pneumatic suspension / Rear plate spring suspension
Total Speed Ratio	18.385
Max. Gradeability	≥45%

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%



Unit: mm

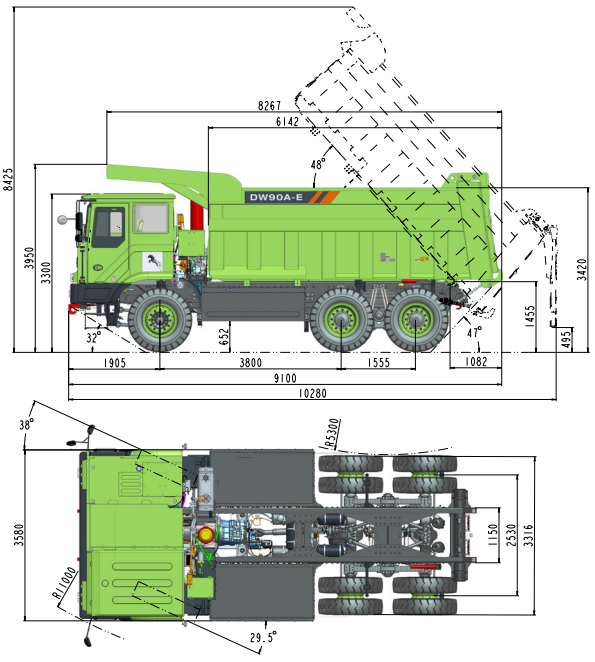
STEERING	
Steering System	Full hydraulic steering
System Pressure	16 MPa
Turning Radius (Front)	≤11,000 mm

HOIST	
Body Lifting Time	≤23 s
Body Drop Time	≤23 s
System Pressure	20 MPa

BODY	
Interior Dimension of Body	6,500 × 3,200 × 1,650 mm
Lifting Angle	48°
Struck Capacity	32 m³
Heaped Capacity	38 m³

TIRE AND RIM	
Drive Type	6×4
Tire Size	14.00R25
Rim	10.00/2.0-25

DIMENSIONS	
Overall Length	9,100 mm
Overall Width	3,580 mm
Overall Height	3,950 mm
Loading Height	3,430 mm
Wheel Base	3,800 mm + 1,550 mm
Wheel Tread	2,765 mm + 2,530 mm
Min. Ground Clearance	340 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.