



Engine	Cummins
Gross Power	217 HP (162 kW)
Operating Weight	16,720 Kg
Payload Capacity	5,000 Kg
Standard Bucket	3 m ³

850T

WHEEL LOADER

850T SPECIFICATIONS



OPERATING WEIGHT	16,720 Kg
ENGINE	
Manufacturer	Cummins
Model	L9
Emission Level	CEV V
Gross Power	162 kW @ 2000 rpm
Peak Torque	1090 N.m
Displacement	8.9 L
Aspiration	Turbocharged
Number of Cylinders	6

BUCKET CAPACITY	
HD Bucket	2.2 m ³
General Purpose Bucket	3 m ³
Coal Bucket	4.5 m ³

TRANSMISSION	
Make	LiuGong
Transmission Type	BS308
Torque Converter	Twin Turbine, Four Member
Number of Speed	Forward 2 / Reverse 1
Forward Speed F1/F2	12/38 km/h
Reverse R1/R2	15.5/25 km/h

AXLES	
Make	LiuGong ADL550
Type	Dry Type Axle
Axle Oscillation	Front Fixed and Rear ±11°

TIRES	
Standard	23.5-25 PR16

BRAKE SYSTEM	
Service/Secondary Brake	Air Over Hydraulic Actuation
Parking Brake	Drum Type Mechanical Handbrake

ELECTRICAL SYSTEM	
System Voltage	DC24V
Battery Capacity	180Ah

HYDRAULIC SYSTEM	
Main Pump Type	Gear Pump
Main Relief Pressure	20.5 MPa
Control	Pilot or Flexible Shaft Operation
Total Cycle Time	≤10.7 Sec

STEERING SYSTEM	
Steering Type	Articulated
Pump Type	Hydraulic Gear Pump
Steering Working Pressure	17.2 MPa
Maximum Articulation Angle	±38°

SERVICE CAPACITIES	
Fuel Tank	300 L
Hydraulic Tank	133 L
Engine Oil	26 L
Cooling System	42 L
Front Axle Oil	33 L
Rear Axle Oil	36 L
Transmission Oil	30 L
DEF Tank	45 L

CABIN STANDARD FEATURES	
Air Conditioned	
I-Link	
ROPS & FOPS	
Rear View Camera	
Mechanical Suspension Seat	
Cabin Guard	

AIS160 (Part 1 & Part 2) COMPLIANT



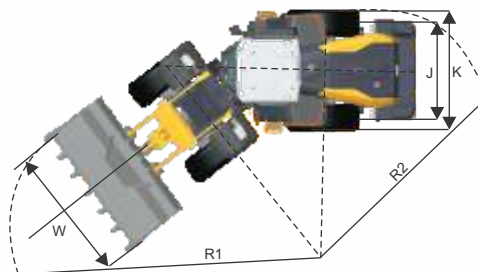
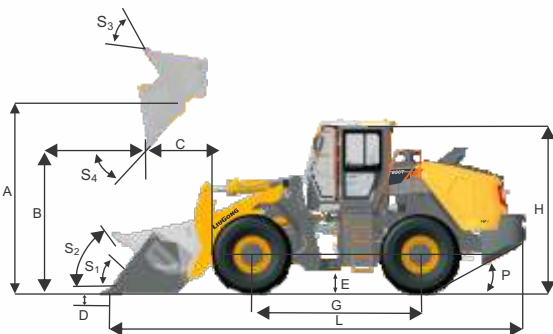
Mapping & Tracking | Geofencing | Utilization Report | Service Management

LOADER PERFORMANCE WITH STANDARD BUCKET 3 m³	
Tipping Load - Straight	≥11900 kg
Tipping Load - Full Turn	≥10500 kg
Bucket Breakout Force	167 kN
A-Hinge Pin Height, Fully Raised	4160 mm
B-Dumping Height, Fully Raised	3100 mm
C-Dumping Reach, Fully Raised	1187 mm
D-Max. Digging Depth	50 mm
E-Min. Ground Clearance	450 mm
G-Wheel Base	3340 mm
H-Overall Height (Top of Cab)	3400 mm
J-Tread Width	2150 mm
K-Overall Width (Outside of Wheel)	2745 mm
L-Overall Length (Bucket on Ground)	8350 mm
P-Departure Angle	29°
W-Overall Width (Outside on Bucket)	2970 mm
S1-Bucket Rollback at Ground Level	43°
S2-Bucket Rollback at Carry	48°
S3-Bucket Rollback at Maximum	57°
S4-Maximum Dump Angle at Full Height	45°
R1-Turning Radius (Outside of Bucket)	6960 mm
R2-Turning Radius (Outside of Rear Wheel)	5950 mm

OPTIONAL	
Multiple Fork and Lock Handling	
Quick Coupler	
Cold Start Kit	
Side Dump Bucket	
Snow Plow	
Dozer Blade	
Radial Tires (23.5R25★★)	

HIGH LIFT BOOM (OPTIONAL)		
Bucket	Hinge Pin Height	Dump Height
GP-3m ³	4558 mm	3480 mm
COAL-4.4m ³	4558 mm	3250 mm

DGMS KIT (OPTIONAL)	
Rim Protection Device	Seat Belt Reminder
Automatic Fire Suppression & Detection System	Neutral Braking /Door Interlock
Automatic Centralized Lubrication System	Emergency Stop / Ground Level Engine Shutoff- Button
Rotary Beacon	Audio Visual Alarm
Proximity Warning Device	3 Point Contact Seat Belt Operator Fatigue Warning



Note: Standard operating conditions, altitude: ≤3000 m (without deration), temperature:- 15°C~50°C (without cold start)

Parameters of actual equipment shall be within ±2.5% of the values illustrated. Specifications are subject to change without prior notice. Optional equipments are available upon request. Please contact your local Liugong dealer for detailed information

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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.