

LG856H-E ELECTRIC WHEEL LOADER



LONKING (FU JIAN) INTERNATIONAL TRADE CO.,LTD.

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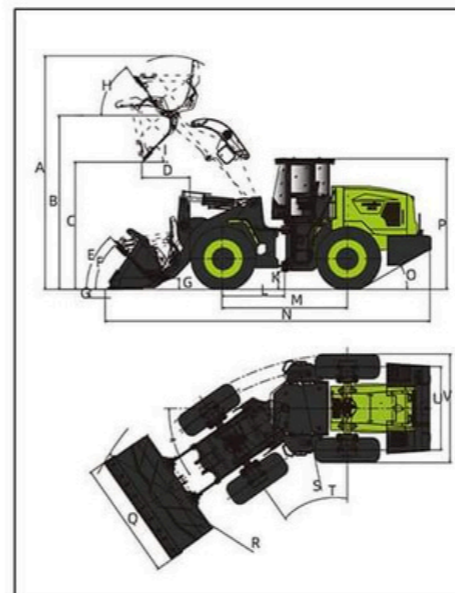
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- BUCKET CAPACITY: 3.2m³
- RATED PAYLOAD: 5500kg
- OPERATING WEIGHT: 17800±300kg

DIMENSIONS

All dimensions are approximate. Dimensions may vary with bucket and tire choice. Refer to operating specifications.



NO.	DESCRIPTION	UNIT	High Dump
A	Overall Height – Bucket Raised	mm	5480
B	Bucket Pin Height at Max. Lift	mm	4463
C	Dump Clearance at Max. Lift (45°)	mm	3300
D	Reach at Max. Lift and 45° Dump	mm	1420
E	Rack Back Angle at Carry	°	48
F	Rack Back Angle at Ground	°	45
G	Digging Depth	mm	1080
H	Rack Back Angle at Max. Lift	°	51
I	Dump Angle at Max. Lift	°	45
J	Carry Height	mm	3500
K	Ground Clearance	mm	400
L	Center Line of Front Axle to Hitch	mm	1650
M	Wheel Base	mm	3300
N	Overall Length	mm	8965
O	Departure Angle	°	30
P	Height to Top of Cab	mm	3400
Q	Overall Width over Bucket	mm	3000
R	Min. Turning Radius over Bucket	mm	7260
S	Min. Turning Radius over Tires	mm	6540
T	Steering Angle – Left/Right	°	35
U	Width at Tread Center	mm	2240
V	Overall Width over Tires	mm	2835

TECHNICAL PARAMETERS

Basic	Bucket Capacity	3.2m ³
	Rated Payload	5500kg
	Operating Weight	17800±300kg
	Traction Force	165±5kN
	Breakout Force	180±5kN
	L×W×H	8920×3000×3400mm
battery system	Maker	CATL
	Type	LFP
	Rated Storage Energy	282kwh
	Nominal Voltage	618V
	Type Of Cooling	Water-Cooling
Travelling Motor	Rated Power	75kw
	Rated Torque	700N·m
	Rated Speed	700rpm
	Type Of Cooling	Water-Cooling
Pump Motor	Rated Power	80kw
	Rated Torque	400N·m
	Rated Speed	1850rpm
	Type Of Cooling	Water-Cooling
DRIVE TRAIN	Type Of Transmission	Countershaft
	Shift Type	Electronic Powershift Control
	Axles	Rigid (Front)&Oscillating (Rear)
	Rear Axle Oscillation (°)	±8°
	Differential	Conventional
	Main Reducer	Spiral Bevel, 1-stage Reduction
	Final Reducer	Planetary Reduction
	Tire	23.5-25 18PR
BRAKE SYSTEM	Travel Speed-Forward	11/35 km/h
	Travel Speed-Reverse	13 km/h
	Service Brake	Full Hydraulic Braking
STEERING SYSTEM	Setting Pressure	12 MPa
	Parking Brake	Flexible Shaft Controlled
	Emergency Brake	Caliper Brake
HYDRAULIC SYSTEM	Type	Hydraulic Load Sensing System
	Pump	90ml/r
	System Pressure	15MPa
	Cylinder Type	Double Acting
SERVICE REFILL CAPACITY	Steering Angle	±35°
	Type	Joystick Control (Single-lever)
	Pump	112ml/r
SERVICE REFILL CAPACITY	Control Valve	2 Spool
	System Pressure	19MPa
	Cycle Time (Sec)	10.5
SERVICE REFILL CAPACITY	Hydraulic Tank (L)	265L
	Transmission (L)	10.5L
	Front Axle/Rear Axle (L)	28L/28L

CONFIGURATION

CATL Lithium Battery
LONKING Transmission
Electronic Powershift Control
LONKING Axles (Dry type)
Joystick Working Control (Single-lever)
Pneumatic drum brake
ROPS&FOPS Cabin
LCD Dashboard
Air Conditioner
Rear View Camera

OPTIONAL

350kwh Extra Capacity Battery
240kw Charging Pile
300kw Charging Pile
Radial Tires
Electric Heating Rear Window
Bucket(3.6m ³ , 3 Piece Cutting Edges)
Bucket(5.0m ³ , 3 Piece Cutting Edges)

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Specifications and design are subject to change without prior notice. Machines shown may not include optional accessories.

LG856H-E Electric Wheel Loader

The LG856H-E is the third-generation pure electric loader of Lonking. This electric loader combines cutting-edge technology in the industry, inherits the advantages and characteristics of previous products, and is a new generation model optimized and upgraded from the inside out, making it more advanced, efficient, intelligent and comfortable.

Highlights: Zero pollution, low cost, high quality, and high efficiency



Product Introduction:

The entire machine continues the advantages and characteristics of previous generations, with great power, environmental protection, and pollution-free.

The entire machine adopts the latest appearance platform of Lonking loader, with a novel and elegant appearance.

The relevant components of the entire machine have been re-optimized and arranged, resulting in a significant improvement in maintenance and repair performance.

The overall length and center of gravity are optimized, with stronger adaptability to working conditions and high stability and efficiency in operation.

The overall control strategy is optimized, the battery life is effectively extended, and the performance is significantly improved.



Pilot control, flexible and precise operation, higher efficiency.



Equipped with polymorphic switches, the three-level power mode has a significant effect on cost reduction and consumption reduction.



LED lens lamp, energy-saving, transparent, and long service life.



Standard equipped with cold and warm air conditioning, providing a more comfortable operating environment.



USB



Equipped with LED tail lights and camera.



The LCD instrument panel accurately displays the working status of various components



Dual charging port.

Features of the complete machine product

Fully hydraulic caliper disc four-wheel braking, smooth braking, safe and reliable.

Optimize and upgrade circuit components, with clear layout and easy and simple maintenance.

Intelligent charging management system, charging does not require management.

The intelligent monitoring system for the entire cloud platform constantly monitors the operational status of the entire machine.

The ATS heat dissipation system operates intelligently according to heat dissipation needs, which is energy-saving and efficient.



The working device is fully pilot controlled, with precise and lightweight operation. The steering wheel and seat can be adjusted from multiple angles according to the operator's habits.

The instrument observation is easy and natural, with panoramic glass, a wide field of view, and easy and safe operation.

Cold and warm air conditioning and fresh air system, comfortable and warm, clean and fresh.



Limit device



Panoramic window

High torque motors provide overall power, with each motor having a high rated total power.

The entire machine is equipped with multiple power modes to ensure adaptability to various harsh working conditions.

Pilot multifunctional single handle with horn button and FNR front and rear shift operation function.

The scientific matching of the motor and throttle maximizes the efficiency of the entire machine operation.

The patented automatic fixed axle gearbox of Lonking adopts electronic shifting, ensuring smooth and smooth operation without equal gear.

The entire machine is equipped with a high-power car battery, which has a short charging time and can be put back into operation in just a moment.

