



L940Hev

**Electric Wheel Loader
Rehandling made
fully Electric**



Operating Weight : 11800 kg

Payload : 3800 kg

Your Reliable Partner

L940HEV

Electric Wheel Loader



Rehandling made Fully Electric.

The SDLG L940HEV is an efficient, eco-friendly, and intelligent 3.8-ton capacity electric wheel loader precision-engineered for continuous material handling operations. Primarily designed for quarries, concrete batching plants, and industrial facilities,

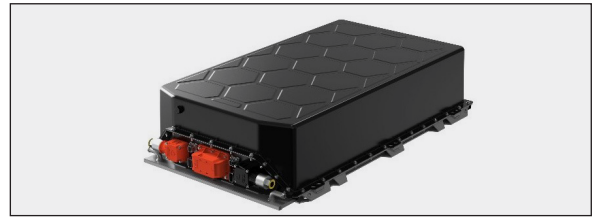
it is the ultimate solution for rehandling both raw plant inputs and produced materials like aggregates. It delivers green, high-efficiency power and outstanding operational capability without the emissions or high noise levels of a traditional diesel engine.

High Efficiency, Zero Fuel

Stop burning profits on diesel fuel and inefficient idling during long shifts. The L940HEV is engineered to aggressively lower your Total Cost of Ownership.

- **Low Consumption:** Operating at an exceptionally low energy consumption rate, the loader delivers 5 to 7 hours of continuous runtime depending on workload intensity.
- **Energy Regeneration:** An integrated system seamlessly combines braking energy recovery and coasting energy recovery actively extending your battery endurance throughout the shift.

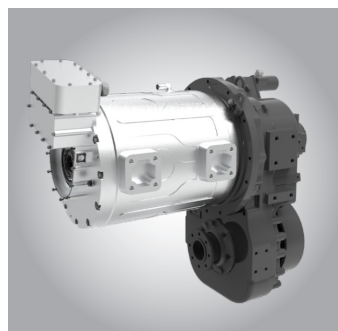
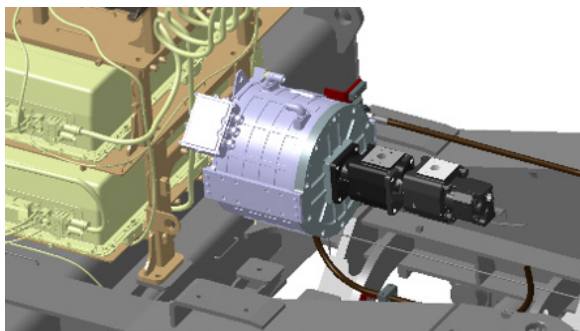
- **Rapid Dual-Gun Charging:** The 180.5 kWh battery supports dual-gun fast charging, capable of charging from 20% to 95% in under an hour.



Direct Power Delivery

By eliminating the torque converter and optimizing the drivetrain, SDLG L940HEV ensures that every kilowatt of energy goes directly into moving material with minimal coupling loss.

- **Transmission:** The travel motor connects directly to the SDLG ET300 transmission, providing enhanced driving force with zero torque-converter parasitic loss. Delivering 60kW of rated power and a massive 1700Nm of peak torque, it effortlessly handles high-intensity, heavy-duty stockpiling tasks. The transmission has manual and automatic modes.
- **Direct-Drive Hydraulics:** The working motor connects directly to the premium hydraulic pump, minimizing energy loss and achieving peak transmission efficiency within a highly compact layout.
- **Intelligent Power Adjustment:** An independently developed intelligent control system automatically adjusts power output based on real-time load and speed, maximizing energy-saving operation.
- **Heavy-Duty Stability:** The SDLG axle features a reinforced structure that effectively enhances the front axle's load-bearing capacity, reducing the risk of failure in extreme duty cycles.
- **Sealed Hydraulic Braking:** The full hydraulic single-pedal dry brake system uses standard hydraulic oil rather than dedicated brake fluid, ensuring fully sealed, contamination-free, and rapid-response stopping power.



Premium Comfort & Superior Safety

A comfortable operator is a safer, more productive operator—especially during repetitive material handling cycles.

- **FNR Joystick Switch Advantage:** Directional travel changes (Forward/Neutral/Reverse) are handled seamlessly via an FNR toggle switch mounted directly on the implement control joystick. This allows the operator to instantly switch travel directions and the buttons beside the switch control to shift the gears, eliminating the need to move their left hand off the steering wheel or their right hand off the loader controls—drastically accelerating short-cycle operations like tipper loading and aggregate rehandling.



Weight-adjustable suspension seat for operator comfort.



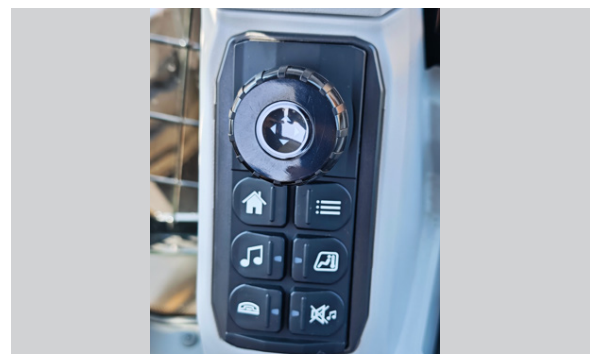
FNR Joystick



Tilt-adjustable steering column



7 inch colour LCD multi-information display for machine data and diagnostic in operator dash, convenient to view and interact with machine settings using jog-wheel.



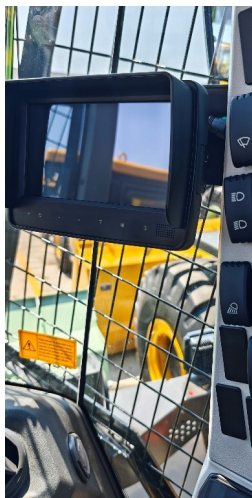
- **Total Visibility:** Smooth, streamlined exterior contours are paired with a sliding right-side glass window and full LED lighting, ensuring wide clear visibility in both bright daylight and dim nighttime conditions.



ROPS FOPS certified cabin for a worry-free safe operation



Cooled Glovebox for storing beverages



Reversing Camera for surrounding awareness and enhanced worksite safety

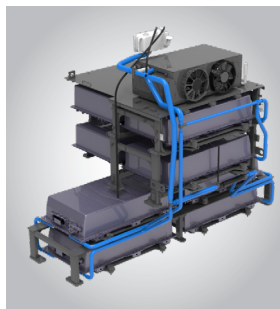


Pillar mounted function controls for ergonomic access

Engineered for Uptime: Maintenance-Driven Design

SDLG designed the L940HEV to be as easy to maintain as it is to operate, ensuring the machine stays out of the shop and on the site.

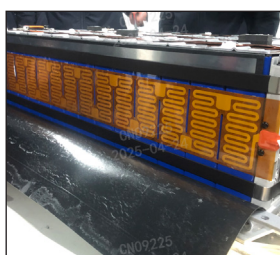
- **Independent Battery Climate Control:** The Intelligent Temperature Control System features a dedicated battery air conditioner that operates entirely separately from the cabin AC. This allows the operator to cool the cabin without compromising battery heat dissipation, maximizing cell life.



- **Tool-free Electrical Access:** A centralised fuse box is positioned behind the operator seat, featuring oversized labels and a single-clip mechanism for fast, tool-free inspection and diagnosis.



- **Extreme Cold Protection:** Built-in heating pads automatically activate when temperatures drop, raising the battery to its optimal operating range to ensure normal charging and discharging even in freezing weather.



- **Rapid Safe Servicing:** A Manual Service Disconnect (MSD) is located in a dedicated access point; simply opening it disconnects the high-voltage power supply to safely and instantly facilitate equipment servicing.
- **Accessible Servicing:** Extended maintenance ports and externalised filters (for both pilot oil and transmission oil) enable hassle-free routine servicing. The grease points are all routed to enable ground-level access for easy, fast lubrication.

L940H^{EV} - Main Parameters

Main Parameters		
Rated Payload	kg	3800
Operating weight	kg	11800
Maximum Traction Force	kN	100
Max. Bucket Breakout Force	kN	100±3

Battery (Energy Storage)		
Battery Manufacturer	LGNE (Lingong New Energy)	
Battery Capacity	kWh	180.48
Battery Type	Lithium Iron Phosphate Battery	
Battery voltage	V	521.64
Charging	DC, dual GB/T port fast charging	

Travel System		
Rated power of travel motor	kW	60
Rated torque of travel motot	Nm	843
Peak power of travel motor	kW	90
Peak torque of travel motor	Nm	1700
Transmission type	Planetary power shift	
Transmission model	ET300	
Gears	2 forward, 1 reverse	
Forward Gear I Speed & Ration	km/h	0~14
Forward Ger II Speed & Ratio	km/h	0~40
Backward Gear I Speed	km/h	0~14

Hydraulics		
Hydraulic control type	Hydraulic Pilot Control	
Rated power of Work Motor	kW	50
Peak power of Work Motor	kW	90
Rated torque of Work Motor	Nm	196 Nm
Peak torque of Work Motor	Nm	400
System working pressure	MPa	20.7
Lift Time (Full Load)	s	≤5.5
Descent Time (Empty bucket)	s	≤3.5
Unloading Time (Empty bucket)	s	≤1.0
Total cycle time	s	10.1 / ≤10

Steering System		
Steering Pump Type	Load sensing full hydraulic articulated steering	
Articulated Steering Angle	°	37
Pressure of steering system	MPa	16

Brake, Axle & Wheels		
Service Brake Type	Full hydraulic brake	
Parking Brake Type	Mechanical actuation, Disc brake on Transmission output shaft	
Braking Pressure	MPa	13.8
Axle	SDLG AL20H (20-tonne load capacity, dry-brake)	
Tyre size	17.5 - 25	

L940H^{EV} - Configuration

Overall Dimensions (1.8m³ bucket)

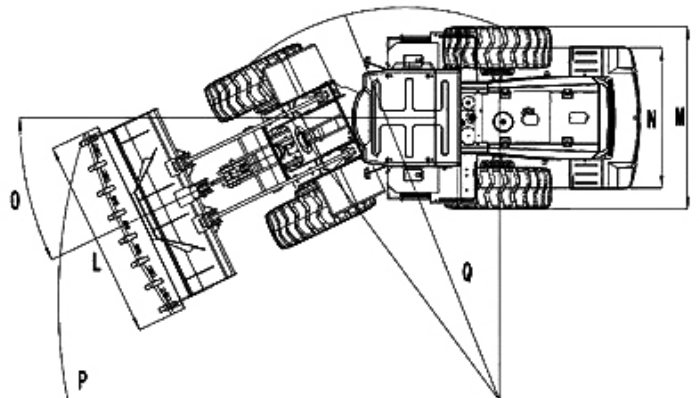
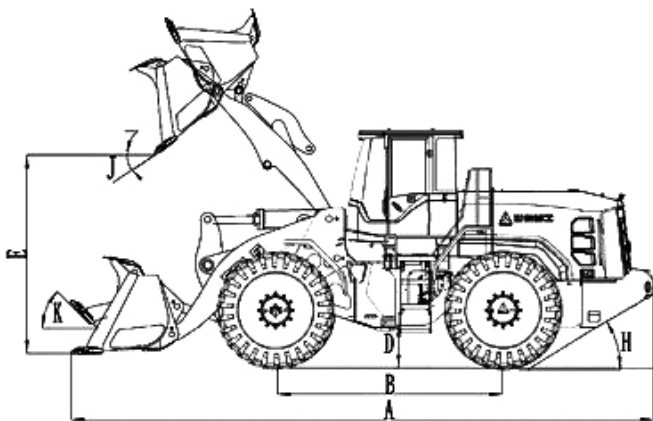
Overall length	mm	7380
Overall width	mm	2520
Max. width of host	mm	2310
Overall Height	mm	3170
Wheelbase	mm	2850
Wheel Track	mm	1865
Minimum ground clearance	mm	370
Wading Depth	mm	520
Maximum Dumping Height	mm	2950
Corresponding Dumping Distance	mm	1050
Dumping Angle	°	-45
Horizontal Passing Radius (Outside of Bucket)	mm	6065
Minimum Turning Radius (Outside of Rear Wheel)	mm	5250
Maximum Height of Bucket Hinge Point	mm	3790

Service Refills

Hydraulic oil	L	128
Axle Oil (Front / Rear)	L	18 / 18
Transmission oil	L	20
Coolant	L	24 (Battery) / 22 (Motor)

Bucket options

General Purpose (GP)	m³	1.5 / 3.0 m³
Rock Bucket (HD)	m³	2.0
Loose Material (LM)	m³	3.5



Your reliable partner

Loader L940HEV / September 2026



SDLG INDIA PRIVATE LIMITED

8th Floor, BCIT Tower 3B, Bhartiya City,
Thanisandra Main Road, RK Hegde Nagar,
Bengaluru, Karnataka 560064
Email: info@sdlgindia.com
WhatsApp: +91 91879 74150
Toll Free No: 1800 410 5935

We reserve the right to change specifications and design without prior notice.
The illustrations do not necessarily show the standard version of the machine.