P&H L-2350
Wheel Loader — Generation 2
General Specifications

Operating capacities, weights and dimensions

<table>
<thead>
<tr>
<th></th>
<th>Standard lift</th>
<th>High lift</th>
<th>Super high lift</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
<td>40.52 m³</td>
<td>38.23 m³</td>
<td>53.5 m³</td>
</tr>
<tr>
<td>Operating payload</td>
<td>72574 kg</td>
<td>68039 kg</td>
<td>54431 kg</td>
</tr>
<tr>
<td>Static tipping loads</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Straight</td>
<td>184300 kg</td>
<td>164200 kg</td>
<td>128751 kg</td>
</tr>
<tr>
<td>Full 42° turn</td>
<td>172100 kg</td>
<td>153300 kg</td>
<td>108884 kg</td>
</tr>
<tr>
<td>Breakout force</td>
<td>1173 kN</td>
<td>1290 kN</td>
<td>880 kN</td>
</tr>
<tr>
<td>Operating weight</td>
<td>266822 kg</td>
<td>272065 kg</td>
<td>276045 kg</td>
</tr>
</tbody>
</table>

Note: Standard rock bucket based on a material density of 1780 kg/m³ (3000 lb/yd³)
Super high lift data based on 70yd³ coal bucket - rock bucket data available upon request.

Working ranges

<table>
<thead>
<tr>
<th></th>
<th>Engine</th>
<th>1715 kW</th>
<th>2300 hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>72574 kg</td>
<td>160000 lb</td>
<td></td>
</tr>
<tr>
<td>High lift</td>
<td>68039 kg</td>
<td>150000 lb</td>
<td></td>
</tr>
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<td>Super high lift</td>
<td>54431 kg</td>
<td>120000 lb</td>
<td></td>
</tr>
</tbody>
</table>

Bucket capacity sized to material density

<table>
<thead>
<tr>
<th>Truck match</th>
<th>290 - 363+ tonne</th>
<th>320 - 400+ ton</th>
</tr>
</thead>
</table>
Hybrid regenerative energy storage for improved fuel economy

Thermostatically controlled, variable speed hydraulic motor-driven, Tier 1, Tier 2 or Tier 4

Dump clearance

High lift

SR Hybrid Drive

Pressurized, cooled, and filtered lubrication

Emergency fail safe brakes are spring applied in the event of air pressure loss.

Planetary gearing

Model

In-line gear train mounted within the rim of the tire, transmitting power from the traction motor through the tire assembly.

Four-stage planetary drive unit in each position

Total reduction: 90:1

Hydraulic system

HPD drive box

- Pressure regulated, controlled, and filtered lubrication
- Ratio: 1:1

Pumps

(maximum flow rate at 1000 rpm)

Main

Piston (4)

1670 L/min

494 gpm

Steering

Piston (2)

469 L/min

124 gpm

Accessory

Assy.

811 L/min

21 gpm

Tier one engine

(throttle control)

Tandem piston

17117 L/min

4545 gpm

Tier two engine

Fast track

Piston

235 L/min

62 gpm

Blower

Piston

171 L/min

45 gpm

Cooling system

Circulating pump

Vane

409 L/min

108 gpm

Aux. oil pressure

Piston

811 L/min

21 gpm

Valves

Main

Three (3)

700 L/min

185 gpm

Cylinders

Double acting, single stage (diameter and stroke), (standard and high lift)

Heast

400 mm x 2108 mm

16 in. x 83 in

Basket

3713 mm x 1086 mm

12.5 in x 42.75 in

Stroking

181 mm x 762 mm

7.1 in x 30 in

Valves

Main

Three (3)

700 L/min

185 gpm

One (1)

341 L/min

90 gpm

Pump pressure

2750 psi

189 Bar

4000 psi

199 Bar

Main pumps

Piston

1670 L/min

494 gpm

Steering

Piston (2)

469 L/min

124 gpm

Accessory

Assy.

811 L/min

21 gpm

Air modulated traction motor speed disc brakes

- Single disc and caliper on each traction motor side
- Emergency fail safe brakes are spring applied in the event of air pressure loss

Parking brake system

Spring applied, air release traction motor speed disc brakes

Control system-LINCS II

LINCS II

Microprocessor based modular design Vehicle Control Unit (VCU) with monitoring and diagnostics including integrated logging data and storage.

LINCS II uses a dash mounted full color, touch screen display as the operator interface. Out of range conditions will cause an audible alarm along with a message on the screen that is color coded to indicate severity.

In addition, the touch-screen display provides repair technician with operational data and fault messages.

LINCS II load display

Displays real-time load per pass, per track and total loads

Memory capable of retaining months of production information

Cable of interfacing with radio dispatch systems for real-time monitoring

Steering and hoisting system

Steering

Steering function is controlled by a single joystick. Constant engine rpm assures full hydraulic steering response.

Antilock angle

8.42°, 4.41°

Turning radius

Standard lift

10.4 m

34 ft 0 in

High lift

13.2 m

43 ft 3 in

Hoist and bucket control

Heast and bucket control functions are incorporated into a single joystick control. The proportional electro-hydraulic controlled hoist and bucket system is independent of the steering system.

Standard/high lift cycle times:

Heast

17 seconds

Dump

3 seconds

Float

6 seconds

Primary brake system

Electric dynamic braking system is controlled from the accelerator pedal and can bring the loader to a full stop without application of mechanical brakes.

Secondary brake system

Air modulated traction motor speed disc brakes

- Single disc and caliper on each traction motor side
- Emergency fail safe brakes are spring applied in the event of air pressure loss

Overall dimensions

Standard lift

High lift

Super high lift

Tread

5.0 m

16 ft 5 in

6.76 m

22 ft 1 in

7.88 m

25 ft 10 in

Width outside tires

6.76 m

22 ft 1 in

7.88 m

25 ft 10 in

7.88 m

25 ft 10 in

Rock bucket

7.88 m

25 ft 10 in

5 ft 7 in

9.5 in

30 in

8.36 m

27 ft 5 in

8.36 m

27 ft 5 in

8.36 m

27 ft 5 in

Height bucket

13.19 m

43 ft 11 in

13.89 m

45 ft 7 in

15.85 m

52 ft 0 in

Rock bucket

11 ft 5 in

35 ft 0 in

11 ft 10 in

35 ft 8 in

12 ft 3 in

37 ft 2 in

Valve pressure

2750 psi

189 Bar

4000 psi

199 Bar

Oil pressure

1715 kW (2300 hp) @ 1800 rpm

B60 SR motor

1715 kW (2300 hp) @ 1800 rpm

QSK 60
### Optional features

- Auxiliary steering
- Beacon light kit
- Bucket GET options available
- Central service with fast fuel
- Cold weather package – including:
  - Battery heater
  - Engine heating system (oil and water)
  - Grease reservoir heater
  - Hydraulic tank heater
- Exhaust discharge guard
- Fast fuel
- Fire detection and suppression system (manual)
- Fire suppression system (manual)
- Fluid sampling kit
- Lift arms – high lift
- Training seat (with lap belt)
- Video camera (rear mount)
- Windshield protection kit

### Buckets

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard, ISO-rated capacity:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>72574 kg / 160000 lb</td>
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<td>High lift, ISO-rated capacity:</td>
<td>68039 kg / 150000 lb</td>
</tr>
<tr>
<td>Super high lift, ISO-rated capacity:</td>
<td>54431 kg / 120000 lb</td>
</tr>
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</table>

Rock and coal bucket configurations available

Buckets sized to material density

### Bucket hardware options

- Skid plates (replaceable)
- Lip wear protection
- Wear liner kits

For actual bucket configuration and sizing, consult your local representative.

### Standard features

- Access ladder lights
- Air clean-out hose in cab
- Air conditioning / heater-defroster (filtered and pressurized)
- Air dryer system
- Air horn
- Air tank bleed system
- Adjustable automatic lift height cut off
- Automatic bucket leveling control
- Automatic electrical cabinet lights
- Automatic lubrication system
- Auxiliary hydraulic oil cooler
- Back up alarm, audible
- Battery disconnect switch
- Brake lights
- Central air regulator box
- Data analysis and viewing software
- Data logging – downloadable production and maintenance logs
- Door interlock on electrical cabinet
- Drawbar with tow points
- Emergency stop buttons (cab and remote mounted)
- Engine compartment lights
- Fire extinguisher, manual, 9.07 kg (20 lb)
- FOPS – falling object protection system
- Idle timer
- Interior lights
- Isolation monitor
- Joystick hoist and bucket control
- Joystick steering control
- Jump start
- Ladder walkway (rear access w/retracting ladder)
- LED working lights (10 forward, 2 rear)
- LINCS II alarms
- LINCS II load weigh and monitoring
- Mirrors, rearview (parabolic)(2)
- Operator seat (11-way adjustable)
- Overspeed alarm
- Parking brake
- Retractable lap belt with shoulder harness
- Rock deflectors (bucket)
- ROPS – rollover protection structure
- Selectable throttle switch
- Starter disconnect switch
- Sun visor
- Tinted safety glass throughout
- Turn signals
- Twelve (12) volt power supply in cab
- Twelve (12) volt power port (2)
- Walk around catwalk for cab
- Windshield washer reservoir (2.8 gal)
- Windshield wiper and washer (front and rear)

### Tires/rim

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tires</td>
<td>70/70-57</td>
</tr>
<tr>
<td>Rims</td>
<td>60 x 57 with 6&quot; flange</td>
</tr>
</tbody>
</table>

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