E-series wheeled loading shovels

Waste and recycling
Standard equipment on Bell machines

- **World Class Product, superb pedigree** – Sold by Bell, manufactured in the USA by John Deere, after sales care from Bell’s renowned product service and support.

- **Quad cool system** – by far the best cooling system available for the waste and recycling industry.

- **Fully isolated engine bay** – reduces dust build up on the engine.

- **Full belly guards** to front and rear chassis – protects high value components to ensure durability and reliability.

- **Cyclonic engine air pre-cleaner** – designed to give additional protection when working in dusty environments.

- **Unique oil immersed park brake** – eliminates risk of fire from debris build-up.

- **Heavy duty axles** – high capacity axle, factory approved to withstand stresses of high lift arm, high tip bucket and foam filled tyres.

- **100% hydraulically locking front axle differential** – machine achieves high tractive force (pushing power) even when working on slippery tipping hall floors.

- **Traction control** – minimises wheel spin to prolong tyre life.

- **Transmission limiter** – possible to set the maximum gear to limit the machine on site speed.

- **Full fenders** – demountable to suit the site conditions.

- **Steel bodywork panels** – uncommon in the industry today, these resist knocks better than plastic / composite panels and are easily repaired.

- **Ground level daily operator checks** and fuel fill point, located on the same side of the machine – easy checks, no risk from working at height.

- **High specification cab** – ensures operator acceptance.

- **Colour rear view camera and reverse radar system** for site safety.

- **Embedded weigh load system** – enables operator to monitor loads.

- **Automatic idle speed reduction and engine shut down** – saves fuel in non productive periods.
Features and benefits in more detail

- Quad cool system with **wide core radiators** ensure **fins remain clear** from debris and ensure **efficient cooling** performance.
- Huge cooling surface area means **lower fan speed**, **lower noise** and **minimum pick-up** of lightweight site debris.
- Doors on the cooling air intakes incorporate **3mm fine mesh** grilles to prevent ingress of debris.
- Automatic cooling fan reversals blow **debris well clear** of the radiators and air intake screens to **maintain cooling performance**.
- Swing out fully opening doors give easy access to both sides of every radiator for **total cleaning**.

- Front and rear chassis belly guards fitted as standard to **protect the high value components** from damage.

- Unique oil immersed park brake **eliminates fire risk** associated with disc and caliper type park brakes.
Features and benefits in more detail

- Heavy duty axles – high capacity axle, **factory approved** to withstand stresses of high lift arm, high tip bucket and solid or foam filled tyres.
- Choice of L5 pneumatic tyres, Solid tyres or L5 pneumatic tyres with foam fill.
- 100% hydraulically locking front axle differential – machine **achieves high tractive force** (pushing power) even when working on slippery tipping hall floors.
- Spin control – minimises wheel spin to **prolong tyre life**.
- Transmission limiter – possible to set the maximum gear to limit the machine on site speed.
- Full fenders – demountable to suit the site conditions.

- High power, high torque John Deere engines renowned for **high productivity**.
- Isolated engine compartment **reduces dust** ingress.
- Cyclonic engine air pre-cleaner removes 98% of air borne dust **extending the life** of the standard air cleaner and **improving engine protection**.
- Ground level daily operator checks and fuel fill point, located on **the same side** of the machine – easy checks, no risk from working at height.

- **High specification cab includes**
  - A high quality, heated air suspension seat with twin arm rests, adjustable steering column, radio / CD player, positive pressure heating and air conditioning system.
  - Colour rear view camera and reverse radar warning system for site safety.
  - Automatic idle speed reduction and engine shut down **saves fuel** in non productive periods.
  - Payload system allows the operator to **monitor / maximise loads**.
Totally sealed, solid state electrics ensure electrical integrity.

Marine grade sealed in-cab switches significantly reduce in cab wires and connections for reliability in the harshest of environments. Sealed switches eliminate problems associated with old style rocker switches.

Bell reduced the cab harness by 100 wires and 300 connections when we upgraded from the old style rocker switches to the current sealed system.

Keyless security coded ignition eliminates corrosion associated with copper components inside the barrel of a key type ignition system.

Standard height or high lift loader arms mean the machine can be specified to meet the load over and reach requirements of the site.

Optional lift ram and chassis cavity guards that protect the hosing to the ram and prevent material build up in the loader tower.
Features and benefits in more detail

■ Optional bucket ram guard *protects the hosing* to the bucket ram.

■ Optional axle seal guards *prevent package banding* cutting the hub seal.

■ Optional cab screen guard *protects the operator* if any material spills over the bucket whilst loading high sided bulkers.

■ Optional close mounted headlights with heavy duty guarding.
Features and benefits in more detail

■ Optional powered cab air pre cleaner spins incoming air to remove dust particles **improving in cab comfort** in dusty environments (cab skirt removed for pictorial clarity).

■ Optional articulation guards **minimise material ingress** to the front and rear chassis.

■ Optional silencer, exhaust manifold and turbocharger insulation from thermal engineering specialists Esterline **reduces surface temperature** to minimise fire risk in particularly dusty environments.

■ Optional automatic fire suppression system with manual over ride detects and extinguishes machinery fire.
Features and benefits in more detail

- Individually designed attachments provide specific solutions to the application.
- Pin mounted or quick hitch mounted attachments.

Standard arm operating dimensions

<table>
<thead>
<tr>
<th></th>
<th>L1204E</th>
<th>L1506E</th>
<th>L1706E</th>
<th>L1806E</th>
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<tbody>
<tr>
<td>Standard Loader Arm</td>
<td></td>
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<tr>
<td>Operating weight</td>
<td>Kg</td>
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<td>15,133</td>
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<tr>
<td>High tip bucket capacity</td>
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<tr>
<td>High tip bucket width</td>
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<tr>
<td>Dump height</td>
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<td>Arm pin height</td>
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<tr>
<td>Height over cab</td>
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## High lift operating dimensions

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Optional equipment

- **Highest standard specification in the market place.**
- **World class product, superb pedigree** – sold by Bell, manufactured in the USA by John Deere and after sales care from Bell’s renowned product service.

**Machine protection**
- Cab screen guard
- Bucket ram guard
- Articulation guards
- Insulated exhaust manifold
- Insulated exhaust silencer
- Lift ram and chassis cavity guards
- Axle seal guards
- Headlight guards
- Insulated turbocharger
- Fire suppression system

**Waste handling equipment**
- High lift arms
- Solid tyres
- Auxiliary hydraulic circuits
- Waste handling attachments
- L5 tyres
- Foam filling of L5 tyres
- Powered cab air pre-cleaner

**General equipment**
- Automatic greasing system
- Seat belt warning system
- Blue strobe reverse lights
- Reverse radar with automatic brake application
- White noise (BBS) reverse alarm
- Convex exterior mirrors
- Red / white chevrons to rear of machine
Other brochures in this range:

- Agricultural industry
- Coal industry
- Harsh environment corrosion protection
- Ports and bulk storage
- Quarry applications
- Timber and biomass applications

Under our policy of continuous improvements, we reserve the right to change specifications and design without prior notice. Photographs featured in this brochure may include regional differences & equipment.