AT A GLANCE

Weights & Dimensions:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>35,000 lbs (15,909 kg)</td>
<td></td>
</tr>
<tr>
<td>Overall Tramming Length</td>
<td>28'-9&quot; (8.8m)</td>
<td></td>
</tr>
<tr>
<td>Overall Width</td>
<td>8'-0&quot; (2.4m)</td>
<td></td>
</tr>
<tr>
<td>Tramming Height</td>
<td>8'-6&quot; (2.6m)</td>
<td></td>
</tr>
<tr>
<td>Carrier Articulation</td>
<td>+/- 45º</td>
<td></td>
</tr>
<tr>
<td>Inside Turning Radius</td>
<td>13'-10&quot; (4.2m)</td>
<td></td>
</tr>
<tr>
<td>Outside Turning Radius</td>
<td>23'-4&quot; (7.10m)</td>
<td></td>
</tr>
</tbody>
</table>

Note: weights & dimensions are nominal and vary depending on final engine, operator’s enclosure & option configuration.

Engine Configurations:

- **Deutz BF4M1013C**
- **Cat Caterpillar C4.4 ACERT**

Engine Configurations:

- Standard
- Optional

Features & Benefits:

High speed / high mobility underground scissorlift vehicle.

+/- 45º vehicle articulation for tight turning radius.

Separate torque converter / transmission package provides low profile engine shroud height for improved operator visibility.

Mid-ship operator compartment provides good visibility for tramming in both directions.

Scissor Deck:

8'-0" (2.4m) wide by 12’ (3.7m) long scissor deck, complete with 4 x 17” (432mm) stroke stabilizers, anti-slip deck material, midship telescopic ladder, scissor arm lock and 3'-6" (1.1m) high solid tubular steel handrails.

Load Capacity:

6,000 lb (2,727 kg) at 11'-0" (3.36m) lift floor height

Options:

- Protective operator structure
- Seating configurations
- Personnel seating
- Exhaust system
- Air intake system
- Fuel filling system
- Hydraulic filling system
- Tires
- Fire suppression system
- Wheel chocks
- Scissorlift certification, manual lube, extended stroke stabilizers, wood lined deck, folding handrail, air/water manifold, air/hydraulic power pack, telescopic work lights, and drill steel rack
### Scissorlift Deck

Scissorlift deck is complete with a telescopic ladder at midship, a scissor arm lock for maintenance, and platform controls.

- Anti-slip deck material is standard, with option of 3" wood-lined (this option decreases platform capacity by 1,000 lbs (454 kg)).
- Fixed handrails are standard, with option of fold-down at 2'0" (1.1m).

### Stabilizers

- Qty of 4, 17" (432mm) stroke stabilizers
- Note: See Options for 46" (1.2m) stabilizers
DRIVING SPECIFICATIONS

Turning Radius

Turning radius: +/- 45° articulation

<table>
<thead>
<tr>
<th>Powertrain</th>
<th>Deutz</th>
<th>Caterpillar</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Outside Turning Radius</td>
<td>23'-4&quot; (7.10m)</td>
<td>23'-5&quot; (7.14m)</td>
</tr>
<tr>
<td>B Inside Turning Radius</td>
<td>13'-10&quot; (4.20m)</td>
<td>13'-10&quot; (4.20m)</td>
</tr>
<tr>
<td>C Minimum Mine Tunnel Width</td>
<td>12'-2&quot; (3.71m)</td>
<td>12'-4&quot; (3.75m)</td>
</tr>
</tbody>
</table>

Recommended Drift Height

BTI recommends a minimum drift height with cab: 9’-10” (3m)

LP15 CARRIER - COMMON FEATURES

- Standard - common to all engine combinations
- Optional

Notes: ________________________________

- **CHASSIS**
  LP15 articulated 4-wheel drive, all welded construction

- **ENGINE END OSCILLATION**
  +/- 8° c/w heavy framed external walking beam

- **CARRIER ARTICULATION**
  +/- 45° by two opposing 4” (100mm) bore x 2” (50mm) rod steering cylinders complete with stick steering control

- **HYDRAULIC CIRCUIT**
  50 gallon (189 liter) hydraulic tank
  Hydraulic piston pump with load sense control
  In-line hydraulic pressure filter / In-line return filter

- **ELECTRICAL CIRCUIT**
  24 VDC start/run 100 amp alternator
  Murphy Power Vu instrument cluster for electronic engines
  Two LED red tram marker lights & two 70 watt halogen head lights on engine end
  Two LED red tram marker lights & two 70 watt halogen head lights on deck end

- **SCISSORLIFT DECK**
  8’-0” (2.4m) wide X 12’-0” (3.7m) long
  7’-9” (2.4m) deck lift
  6,000 lb (2,727 kg) capacity at 11’-0” (3.36m) floor lift height
  c/w a telescopic ladder at midship, a scissor arm lock for maintenance and platform controls
SL (LP15) SCISSORLIFT VEHICLE CONFIGURATIONS

Choose one per group

- **Standard**
- **Optional**

**POWERTRAIN GROUPS**
- Deutz BF4M1013C
- ▲ Caterpillar C4.4 ACERT

**PROTECTIVE STRUCTURE**
- Dual compartments for operator and passenger, no protective enclosure
- ▲ ROPS/FOPS certified canopy - open air
- ▲ ROPS/FOPS certified fully enclosed cab full width. Engine belt driven HVAC heat/air conditioner for engine driven applications

**OPERATOR SEAT**
- Suspension Seat, fixed
- ▲ Air Ride Seat, fixed

**PASSENGER SEAT**
- No passenger seat
- ▲ Suspension Seat, fixed
- ▲ Air Ride Seat, fixed

**AIR INTAKE SYSTEM**
- Air Intake Filter
- ▲ Air Intake Pre cleaner

**EXHAUST SYSTEM**
- Catalytic exhaust
- ▲ Exhaust Manifold and Turbo Coating
- ▲ Exhaust System Wrap

**FUEL SYSTEM**
- Fuel Tank - 50 gallon (189 liter)
- ▲ Fuel Tank with fast fill - 50 gallon (189 liter)

**HYDRAULIC TANK**
- Hydraulic Tank - 50 gallon (189 liter)
- ▲ Hydraulic Tank with fast fill - 50 gallon (189 liter)

**TIRES**
- Pneumatic 12:00 x 20; 20 ply mine lug
- ▲ Solid: 12:00 x 20
- ▲ Foam Filled: 12:00 x 20
- ▲ Solid: 10:00 x 20

**FIRE SUPPRESSION SYSTEM**
- No fire suppression
- ▲ Fire Extinguisher, 1 x 20 lb (9kg)
- ▲ Ansul Fire Suppression System
- ▲ Ansul Fire Supression with Auto Detection

**WHEEL CHOCKS**
- No wheel chocks
- ▲ Aluminum Wheel Chocks

Notes:
### SL (LP15) SCISSORLIFT VEHICLE CONFIGURATIONS

**Choose one per group**

- **Standard**
- **Optional**

**Notes:**

---

**SCISSORLIFT HANDRAIL**
- ● 3'-6" (1.1m) high solid tubular steel handrails, with 6" (152mm) steel kickplate at bottom edge
- ▲ 3'-6" (1.1m) high solid tubular steel handrails, folding at 2'-0" (610mm), with 6" (152mm) steel kickplate at bottom edge

**SCISSORLIFT CERTIFICATION**
- ● No scissorlift certification
- ▲ Scissorlift certified to CSA Lifting Standard C225-00 for Vehicle Mounted Aerial Devices

**SCISSORLIFT MANUAL LUBE SYSTEM**
- ● No manual lube system
- ▲ Strategically placed grease manifolds which are easily accessible by grease gun for lubricating all scissorlift cylinder and pin pivot points

**SCISSORLIFT WOOD LINED DECK**
- ● Anti-slip deck material - no wood lining
- ▲ 3" (76.2mm) thick hardwood deck installed on scissor deck.
  - Note: this option decreases scissor platform capacity by 1,000 lbs (454 kg)

**SCISSORLIFT AIR AND WATER MANIFOLDS**
- ● No air and water manifolds
- ▲ Air and water manifolds mounted to scissor deck

**SCISSORLIFT AIR/HYDRAULIC POWER PACK**
- ● No power pack
- ▲ Air/Hydraulic power pack installed on vehicle c/w remote on/off pilot valve located on scissor deck

**TELESCOPIC WORK LIGHTS**
- ● No work lights
- ▲ Qty of 2 telescopic work lights mounted to scissor deck - 24 volt/70 watt halogen

**DRILL STEEL RACK**
- ● No drill steel rack
- ▲ Steel racks mounted to scissor platform hand rails to transport drill steel

**STABILIZERS**
- ● Qty of 4, 17" (432mm) stroke stabilizers
  - **One or both of the following can be selected:**
  - ▲ Qty of 2, 46" (1.2m) stroke telescopic tube-in-tube stabilizers c/w lock valve mounted on engine end of vehicle
  - ▲ Qty of 2, 46" (1.2m) stroke telescopic tube-in-tube stabilizers c/w lock valve mounted on scissorlift end of vehicle
**POWERTRAIN GROUP OPTIONS**

- **Engine:** Deutz BF4M1013C, four cylinder, turbocharged, intercooled Diesel, MSHA/Tier II, 122 HP @ 2300 RPM c/w fuel filter and water separator

- **Torque Converter:** Clark C2000 series

- **Transmission:** Clark 20,000 series, long drop, remote mounted, electric shift

  Three forward and three reverse speeds

  Vehicle speeds with 12:00 x 20 tires @ 2200 rpm with standard axle ratio:

  - 1st gear: 2.4mph (3.9kph)
  - 2nd gear: 6.2mph (10.9 kph)
  - 3rd gear: 11.4mph (18.3 kph)

- **Engine end axle:** New Holland D65I no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes, complete with external walking beam, +/- 8 degrees oscillation

- **Boom end axle:** New Holland D65I no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes

- **Drivelines:** Mechanics 6C and 7C

---

- **Engine:** Caterpillar C4.4 ACERT electronic four cylinder, turbocharged, intercooled Diesel, Tier III, 127 HP @ 2200 RPM c/w fuel filter and water separator.

- **Torque Converter:** Clark C2000 series

- **Transmission:** Clark 20,000 series, long drop, remote mounted, electric shift

  Three forward and three reverse speeds

  Vehicle speeds with 12:00 x 20 tires @ 2200 rpm with standard axle ratio:

  - 1st gear: 2.4mph (3.9kph)
  - 2nd gear: 6.2mph (10.9 kph)
  - 3rd gear: 11.4mph (18.3 kph)

- **Engine end axle:** New Holland D65I no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes, complete with external walking beam, +/- 8 degrees oscillation

- **Boom end axle:** New Holland D65I no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes

- **Drivelines:** Mechanics 6C and 7C

---

**PROTECTIVE STRUCTURES OPTIONS**

- **Standard Operator Compartment**

  Standard dual compartments for operator and passenger.
**PROTECTIVE STRUCTURES OPTIONS**

- Standard
- Optional

▲ **ROPS/FOPS Canopy**
ROPS/FOPS certified 100° configuration, open air.

▲ **ROPS/FOPS Cab**
Full cab; covers operator, controls and passenger. Tested and certified ROPS/FOPS cab, complete with guard bars to help protect operator and passenger from dangerous fly-rock. Includes heavy-duty safety glass, wiper/washers, HVAC heat / air conditioning system, air pressurization system.

**OPERATOR SEAT OPTIONS**

**Operator Seat Options**
- Suspension Seat, fixed
- Air Ride Seat, fixed

Mine duty operator seat options available in fixed suspension and fixed air ride variations.

**PASSENGER SEAT OPTIONS**

- No Passenger Seat

**Passenger Seat Options**
- Suspension Seat, fixed (facing front)
- Air Ride Seat, fixed (facing front)

Mine duty passenger seat options available in fixed suspension and fixed air ride variations.
AIR INTAKE SYSTEM OPTIONS

- **Air Intake Filter**
  A dry element filter with safety element and replacement indicator.

- **Air Intake Precleaner**
  A dry element filter with safety element and replacement indicator, complete with a cyclone Pre-cleaner.

  A pre-cleaner extends the life of your air filter by removing dirt and contaminants before they reach the filter and ejecting them automatically via the exhaust.

EXHAUST SYSTEM OPTIONS

- **Catalytic Exhaust**
  A catalytic exhaust, purifier/silencer. No exhaust blanket.

- **Exhaust Manifold and Turbo Coating**
  Prevents fluids from igniting on hot engine and exhaust parts. High temperature performance: ideal for engine compartment components requiring long-term exposure to high temperatures.

  Non-flammable. Protects personnel from burns.

  Lowers ambient temperature; cooler engine compartment, less heat stress on operators and maintenance personnel.

- **Exhaust System Wrap**
  Prevents fluids from igniting on exhaust parts. High temperature performance.

  Non-flammable. Protects personnel from burns.

  Lowers ambient temperature; cooler engine compartment, less heat stress on operators and maintenance personnel.

FUEL TANK OPTIONS

- **Fuel Tank**
  50 gallon (189 liter) fuel tank, top fill.

- **Fuel Tank with Fast Fill**
  50 gallon (189 liter) fuel tank complete with fast filling system. Designed for on-site fast fluid transfer.
HYDRAULIC TANK OPTIONS

- **Standard**
- **Optional**

- **Hydraulic Tank**
  50 gallon (189 liter) hydraulic tank, top fill, 4 psi pressurized cap.

- **Hydraulic Tank with Fast Fill**
  50 gallon (189 liter) hydraulic tank complete with fast filling system. Designed for on-site fast fluid transfer.

TIRE OPTIONS

- **Pneumatic Tires**
  12:00 x 20; 20 ply mine lug pneumatic tires

- **Solid Tires**
  12:00 x 20 solid tires

- **Foam Filled Tires**
  12:00 x 20 foam filled tires

FIRE SUPPRESSION SYSTEM OPTIONS

- **No Fire Suppression System**

- **Fire Extinguisher**
  1 x 20 lb (9 kg) fire extinguisher.

- **Ansal Fire Suppression**
  Ansal fire suppression system, 6 nozzle, complete with 2 actuators. Complete with 20lb (9 kg) fire extinguisher.

- **Ansal Fire Suppression with Detection**
  Ansal fire suppression system, 6 nozzle, complete with 2 actuators. Includes a check fire detection and activation system. Complete with 20lb (9 kg) fire extinguisher.
**WHEEL CHOCK OPTIONS**

- Standard
- ▲ Optional

▲ No Wheel Chocks

▲ Wheel Chocks - aluminum
  complete with holder

---

**SCISSORLIFT HANDRAIL OPTIONS**

- ▲ Fixed Handrails
  3’-6” (1.1m) high solid tubular steel handrails, with 6” (152mm) steel kickplate at bottom edge

- ▲ Folding Handrails
  3’-6” (1.1m) high solid tubular steel handrails folding at 2’-0” (610mm), with 6” (152mm) steel kickplate at bottom edge

---

**STABILIZER OPTIONS**

- ▲ Qty of 4, 17” (432mm) stroke stabilizers

- ▲ Qty of 2, 46” (1.2m) stroke stabilizers
  Telescopic tube-in-tube stabilizers c/w lock valves
  ▲ Engine end
  ▲ Scissorlift end
### Scissorlift Certification Options

- **No Scissorlift Certification**

- **Scissorlift Certification**
  Scissorlift certified to CSA Lifting Standard C225-00 for Vehicle Mounted Aerial Devices.

### Scissorlift Manual Lube System Options

- **No Scissorlift Manual Lube System**

- **Scissorlift Manual Lube System**
  Strategically placed grease manifolds which are easily accessible by grease gun for lubricating all scissorlift cylinder and pin pivot points.

### Scissorlift Wood Lined Deck Options

- **Anti-Slip Deck Material - No Wood Lining**

- **Scissorlift Wood Lined Deck**
  3” (76mm) hardwood deck installed on scissor deck
  Note: this option decreases the scissor platform capacity by 1,000 lbs (454 kg)

### Scissorlift Air and Water Manifold Options

- **No Scissorlift Air or Water Manifolds**

- **Air and Water Manifolds**
  Air and Water manifolds mounted to scissor deck
SCISSORLIFT AIR/HYDRAULIC POWER PACK OPTIONS

- No Power Pack

- Air/Hydraulic Power Pack
  Air/Hydraulic power pack installed on vehicle c/w remote on/off pilot valve located on scissor deck, used to raise and lower deck without engine running.

SCISSORLIFT TELESCOPIC WORK LIGHTS OPTIONS

- No Work Lights

- Telescopic Work Lights
  Qty of 2 telescopic work lights mounted to scissor deck
  24 volt/70 watt halogen

SCISSORLIFT DRILL STEEL RACK OPTIONS

- No Drill Steel Rack

- Drill Steel Rack
  Steel racks mounted to scissor platform hand rails to transport drill steel.

All dimensions and specifications are subject to change without notice.