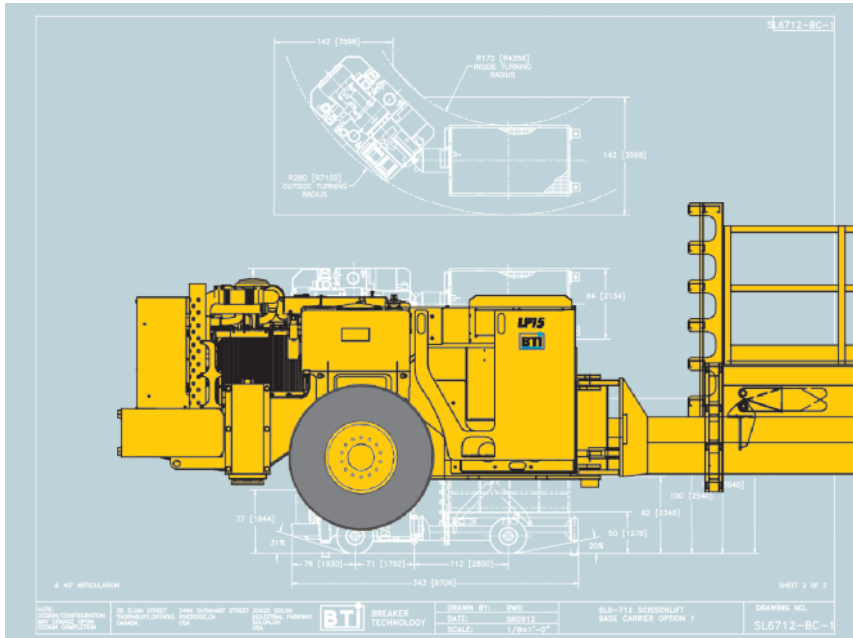


SL SERIES - LP15

Scissorlift Vehicle



AT A GLANCE

Weights & Dimensions:

Operating Weight 35,000 lbs (15,909 kg)	Overall Trimming Length 28'-9" (8.8m)	Overall Width 8'-0" (2.4m)
Trimming Height 8'-6" (2.6m)	Carrier Articulation +/- 45°	Inside Turning Radius 13'-10" (4.2m)
Outside Turning Radius 23'-4" (7.10m)		

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

Engine Configurations:

- Deutz BF4M1013C ▲ Caterpillar C4.4 ACERT
- 122HP @ 2300 rpm 127HP @ 2200 rpm
- MSHA/Tier II Tier III

● Standard ▲ Optional

Scissor Deck

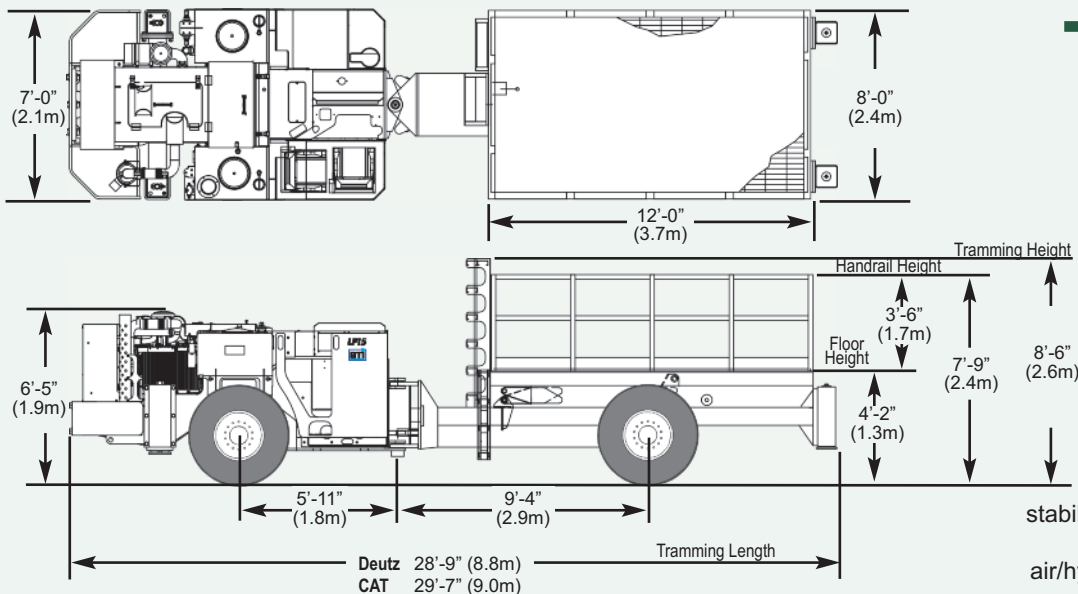
8'-0" (2.4m) wide by 12' (3.7m) long scissor deck, complete with 4 x 17" (432mm) stroke stabilizers, anti-slip deck material, midship telescopic ladder, scissor arm lock and 3'-6" (1.1m) high solid tubular steel handrails

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



SL SERIES (LP15) SCISSORLIFT STANDARD COMPONENTS

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).

8'-0" (2.4m) wide by 12'-0" (3.7m) long
7'-9" (2.4m) deck lift
6,000 lb (2,727 kg) capacity
at 11'-0" (3.36m) Lift Floor Height

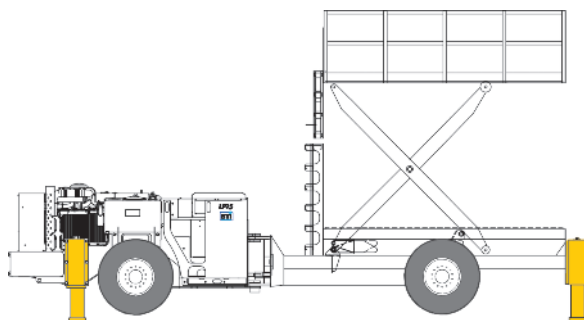
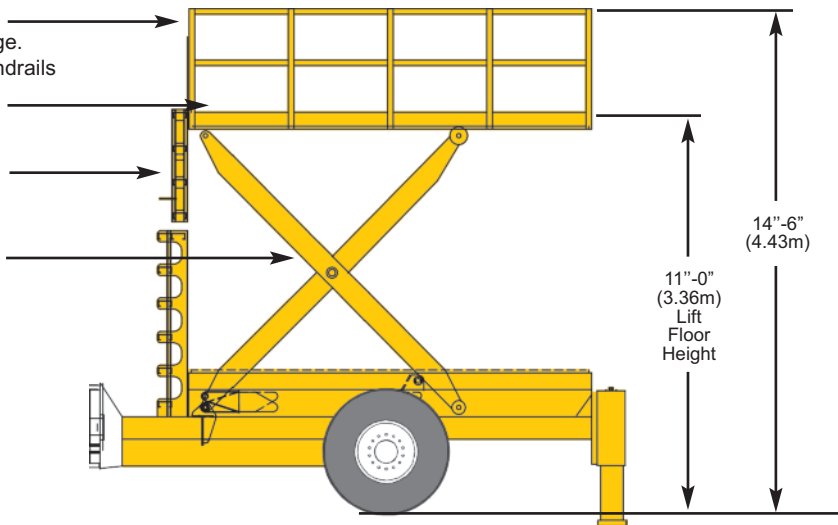
Handrails

3'-6" (1.1m) high
solid tubular steel,
with 6" (152mm) steel
kickplate at bottom edge.
Optional fold-down handrails

Platform Controls

Telescopic Ladder

Dual Safety Lock
Hydraulic Cylinders
Scissor Arm Lock
for Maintenance

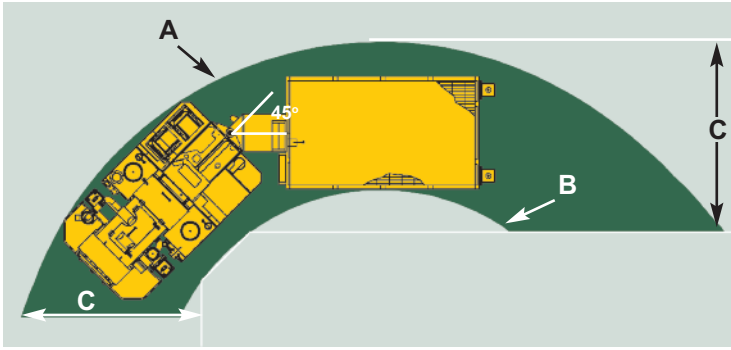


Stabilizers

Qty of 4, 17" (432mm) stroke stabilizers

Note: See Options for 46" (1.2m) stabilizers

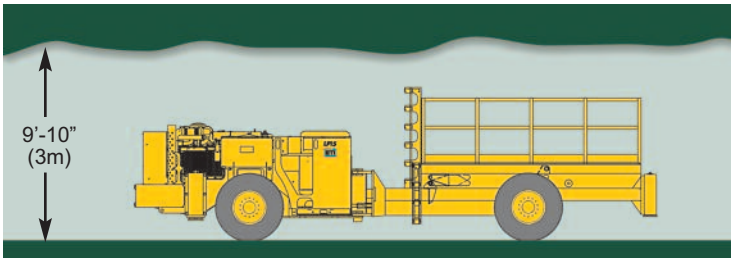
DRIVING SPECIFICATIONS



Turning Radius

Turning radius: +/- 45° articulation

	Powertrain	Deutz	Caterpillar
A	Outside Turning Radius	23'-4" (7.10m)	23'-5" (7.14m)
B	Inside Turning Radius	13'-10" (4.20m)	13'-10" (4.20m)
C	Minimum Mine Tunnel Width	12'-2" (3.71m)	12'-4" (3.75m)



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

Notes: _____

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 Precleaner

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 Suppression with Auto Detection

WHEEL CHOCKS

- No wheel chocks
- ▲ Aluminum Wheel Chocks

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

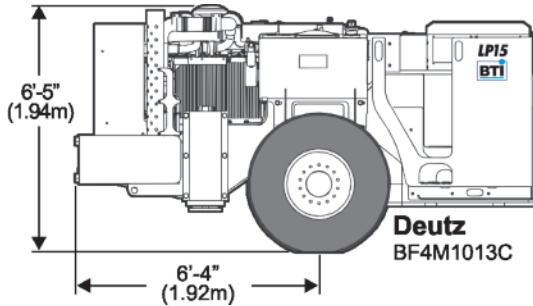
- No drill steel rack
- ▲ Steel racks mounted to scissor platform hand rails to transport drill steel

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

- Standard
- ▲ Optional



- **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

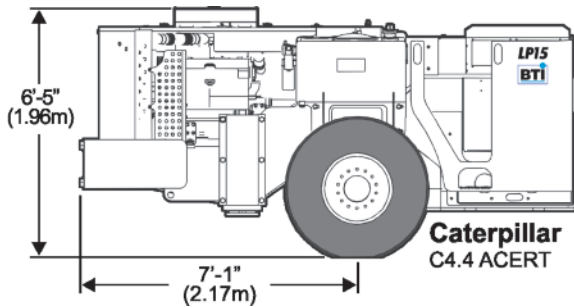
Transmission: Clark 20,000 series, long drop, remote mounted, electric shift
Three forward and three reverse speeds

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

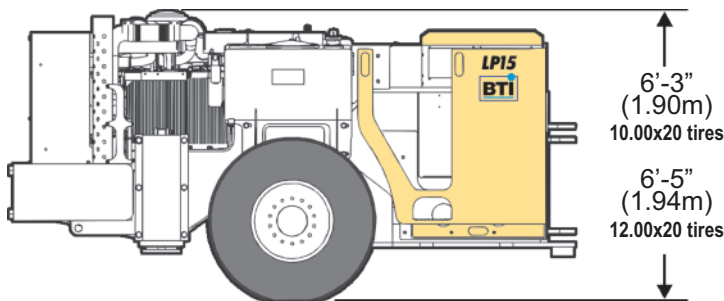
Vehicle speeds with 12:00.x 20 tires @ 2200 rpm with standard axle ratio:
1st gear: 2.4mph (3.9kph) - 2nd gear: 6.2mph (10.9 kph) - 3rd gear: 11.4mph (18.3 kph)

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

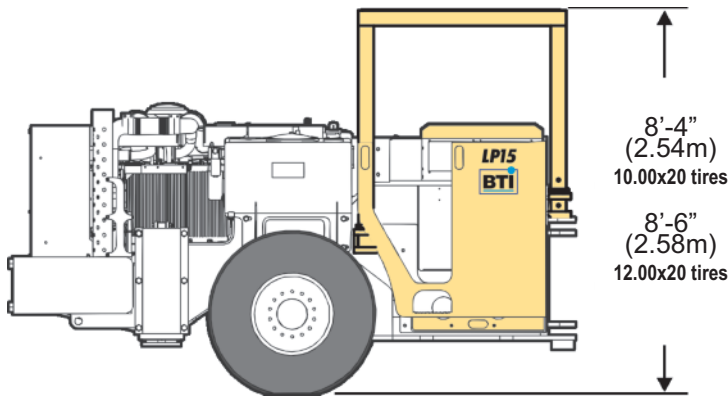


- **Standard Operator Compartment**

Standard dual compartments for operator and passenger.

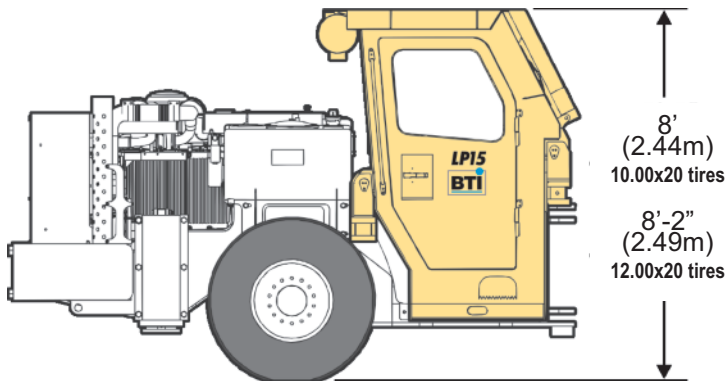
PROTECTIVE STRUCTURES OPTIONS

● Standard ▲ Optional



▲ ROPS/FOPS Canopy

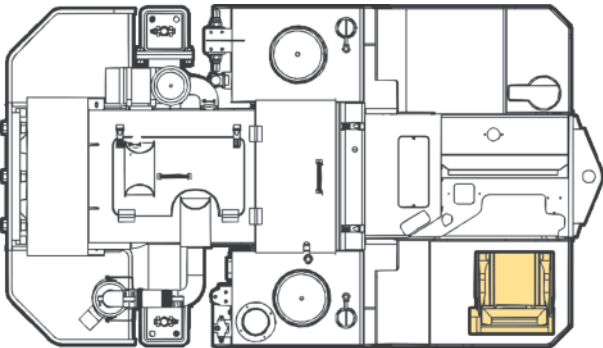
ROPS/FOPS certified 100" configuration, open air.



▲ 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

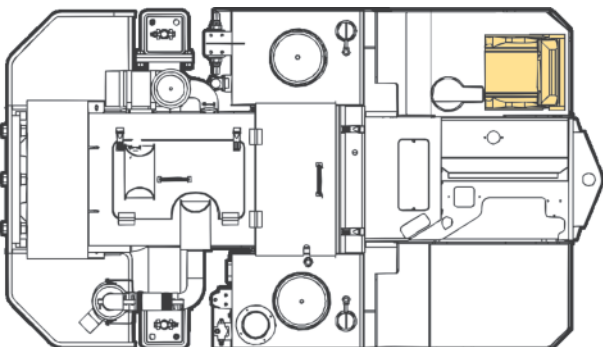


Operator Seat Options

● 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)

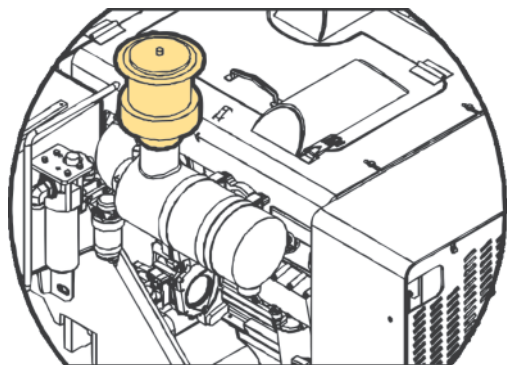
Mine duty passenger seat options available in fixed suspension and fixed air ride variations.

AIR INTAKE SYSTEM OPTIONS

● Standard ▲ Optional

● Air Intake Filter

A dry element filter with safety element and replacement indicator.



▲ Air Intake Precleaner

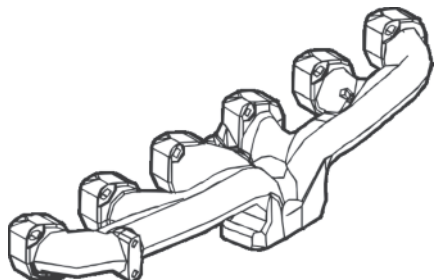
A dry element filter with safety element and replacement indicator, complete with a cyclone Pre-cleaner.

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.

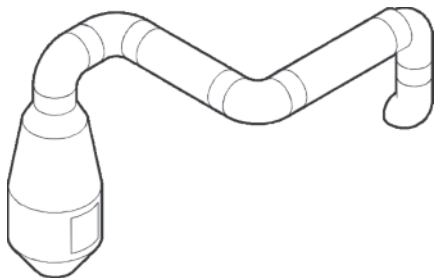


▲ Exhaust Manifold and Turbo Coating

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.

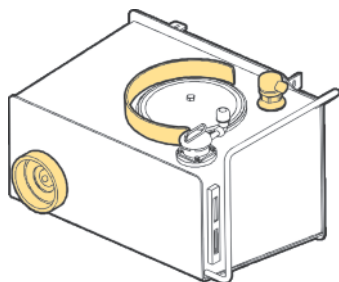
Non-flammable. Protects personnel from burns.

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

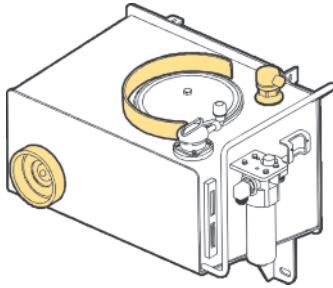
50 gallon (189 liter) fuel tank complete with fast filling system. Designed for on-site fast fluid transfer.

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

▲ Solid Tires

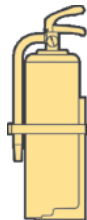
10:00 x 20 solid tires

FIRE SUPPRESSION SYSTEM OPTIONS

● No Fire Suppression System

▲ Fire Extinguisher

1 x 20 lb (9 kg) fire extinguisher.

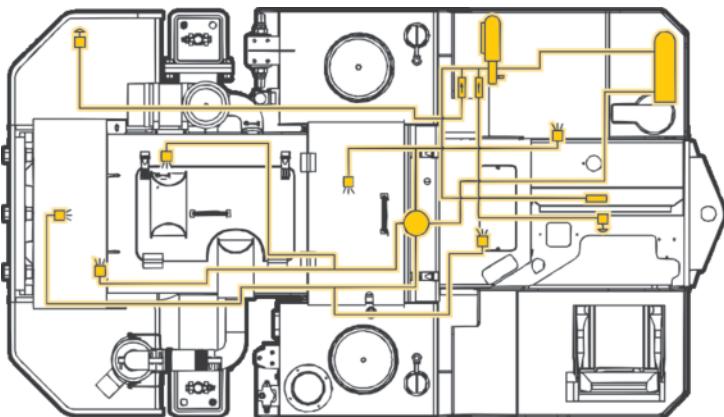


▲ Ansul Fire Suppression

Ansul fire suppression system, 6 nozzle, complete with 2 actuators. Complete with 20lb (9 kg) fire extinguisher.

▲ Ansul Fire Suppression with Detection

Ansul 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

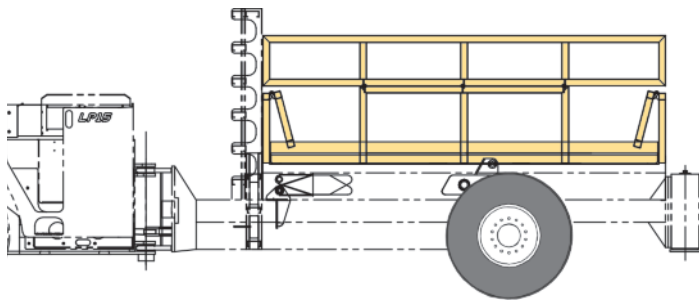


● No Wheel Chocks

▲ Wheel Chocks - aluminum

complete with holder

SCISSORLIFT HANDRAIL OPTIONS



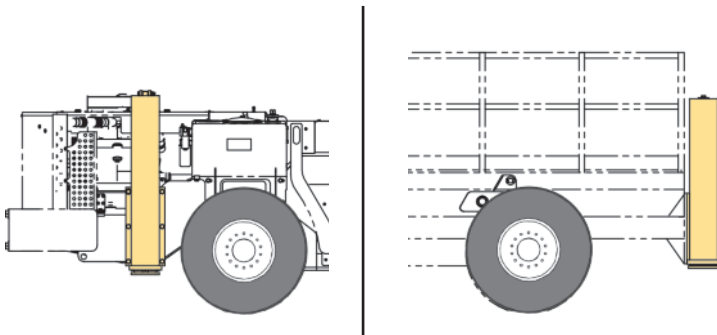
● Fixed Handrails

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

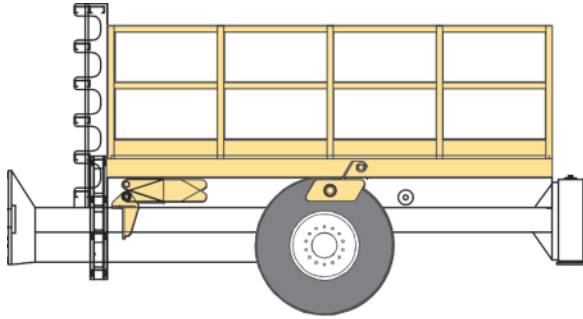
Telescopic tube-in-tube stabilizers c/w lock valves

▲ Engine end

▲ Scissorlift end

SCISSORLIFT CERTIFICATION OPTIONS

● No Scissorlift Certification

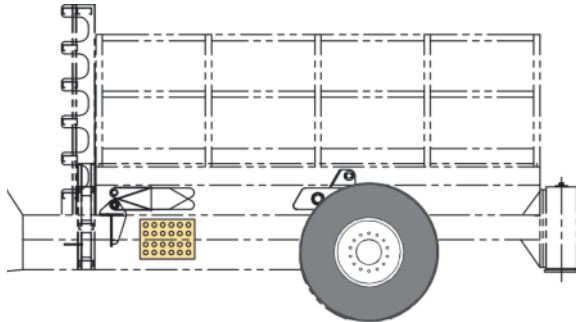


▲ Scissorlift Certification

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

SCISSORLIFT MANUAL LUBE SYSTEM OPTIONS

● No Scissorlift Manual Lube System

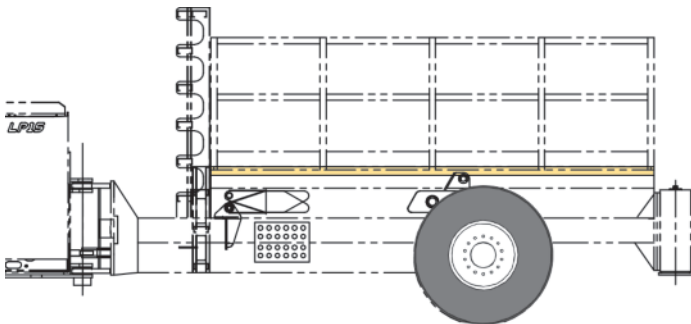


▲ Scissorlift Manual Lube System

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



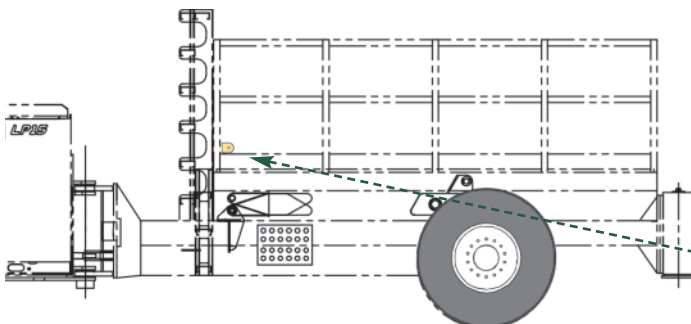
▲ Scissorlift Wood Lined Deck

3" (76mm) hardwood deck installed on scissor deck

Note: this option decreases the scissor platform capacity by 1,000 lbs (454 kg)

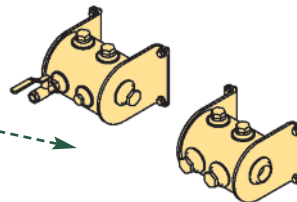
SCISSORLIFT AIR AND WATER MANIFOLD OPTIONS

● No Scissorlift Air or Water Manifolds

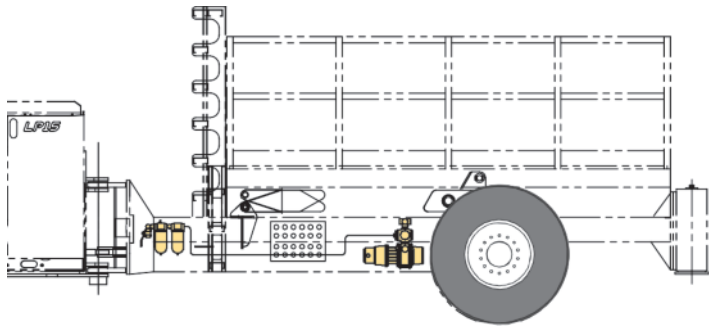


▲ Air and Water Manifolds

Air and Water manifolds mounted to scissor deck



SCISSORLIFT AIR/HYDRAULIC POWER PACK OPTIONS

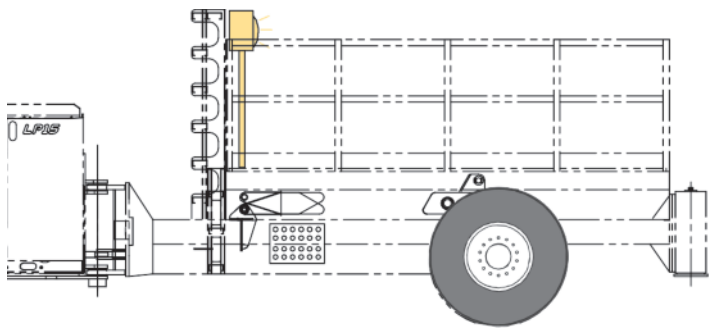


● No Power Pack

▲ 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

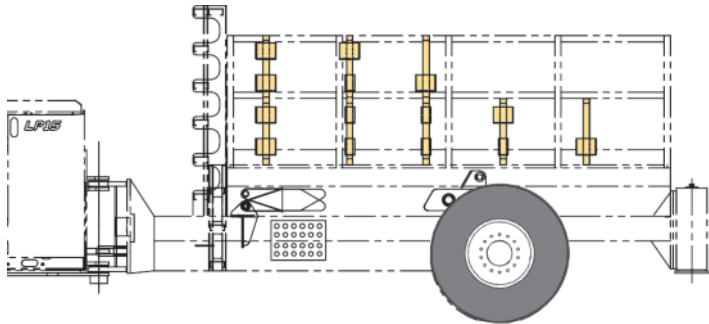


● No Work Lights

▲ 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.



10351-ENG-0609

All dimensions and specifications are subject to change without notice.

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