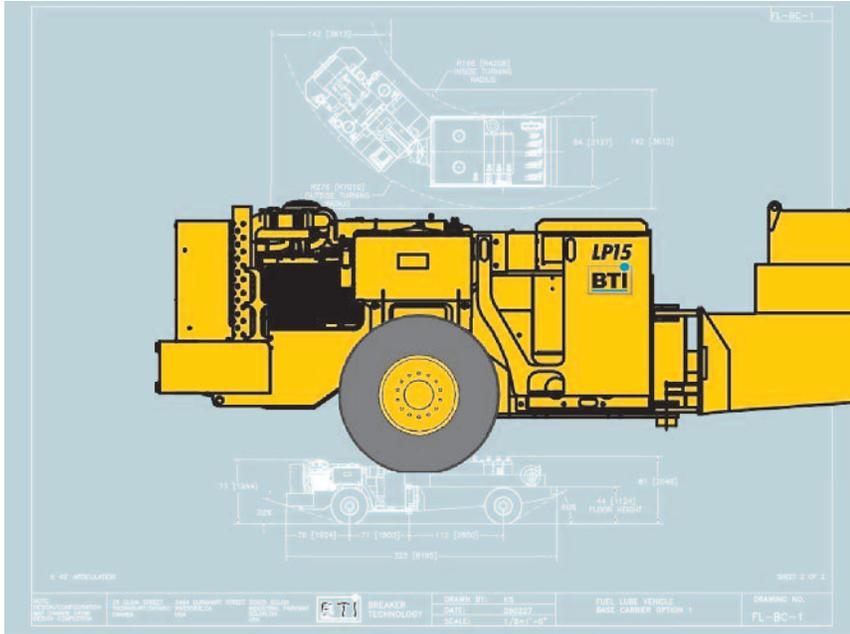


FL SERIES - LP15

Fuel Lube Vehicle



AT A GLANCE

Weights & Dimensions:

Operating Weight 36,000 lbs (16,364 kg)	Overall Trimming Length 26'-11" (8.2m)	Overall Width 7'-2" (2.17m)
Trimming Height 6'-9" (2.05m)	Carrier Articulation +/- 45°	Inside Turning Radius 13'-10" (4.21m)
Outside Turning Radius 23'-0" (7.01m)		

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

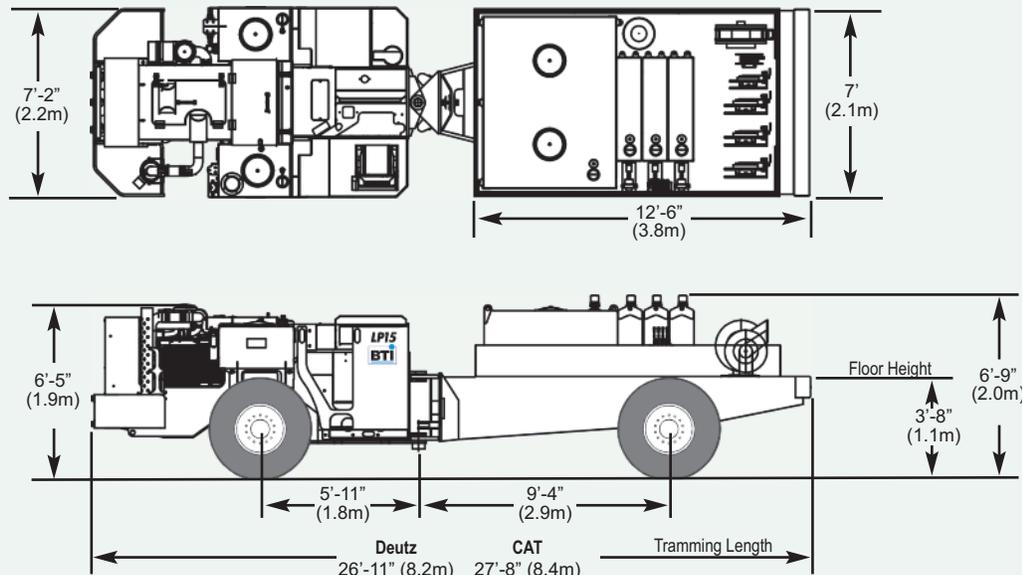
Engine Configurations:

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

● Standard ▲ Optional

- Diesel Fuel Reservoir - 440 gal (2000 L)
- Grease System - 120 lb (55kg)
- Three Fluid Storage Tanks - 44 gal (200 L) each

- Delivery hoses and systems for all reservoirs
- Grounding clamp and reel
- Spill Containment System



FEATURES & BENEFITS

High speed / high mobility underground fuel lube utility vehicle.

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

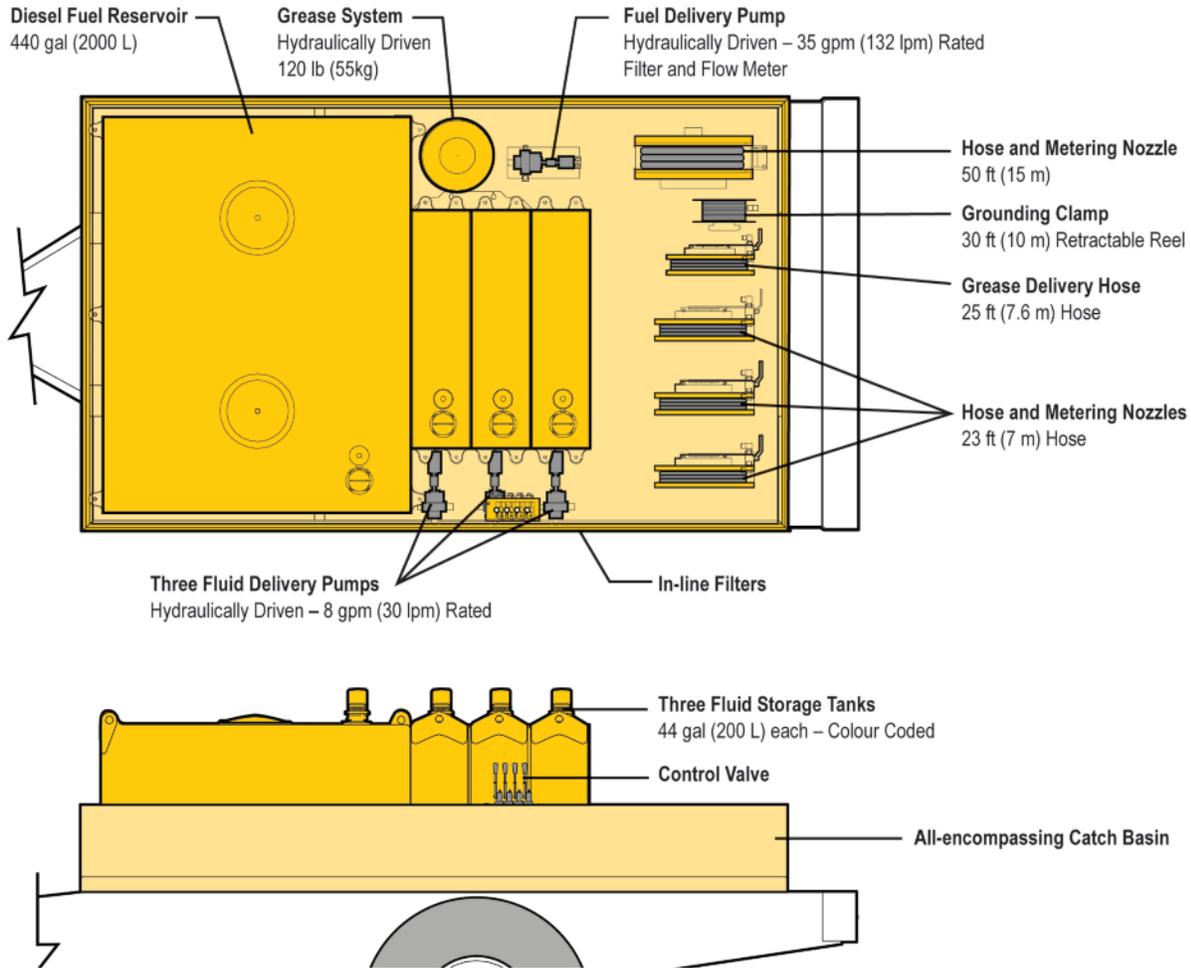
Separate torque converter / transmission package provides low profile engine shroud height for improved operator visibility.

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

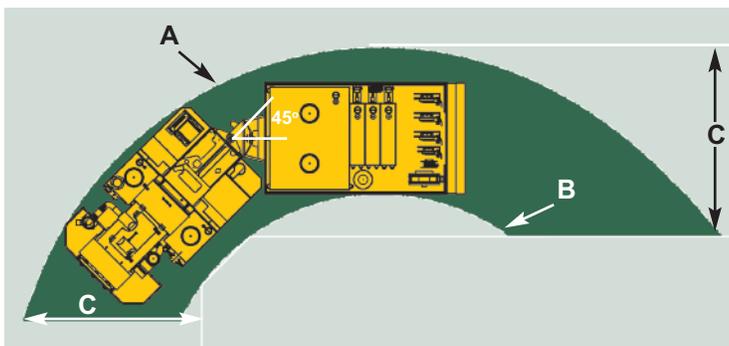
OPTIONS

- Protective operator structure
- Seating configurations
- Air intake system
- Exhaust system
- Fuel filling system
- Hydraulic filling system
- Tires
- Fire suppression system
- Wheel chocks
- Deck lighting
- Storage boxes
- Ladder access

FL SERIES (LP15) FUEL LUBE STANDARD COMPONENTS



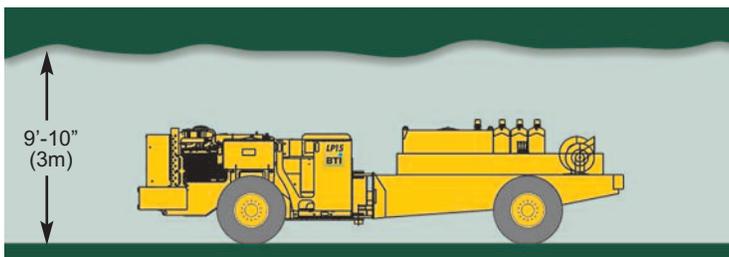
DRIVING SPECIFICATIONS



Turning Radius

Turning radius: +/- 45° articulation

		Deutz	Caterpillar
A	Outside Turning Radius	23'-0" (7.01m)	23'-2" (7.07m)
B	Inside Turning Radius	13'-10" (4.21m)	
C	Minimum Mine Tunnel Width	11'-10" (3.61m)	12'-0" (3.67m)

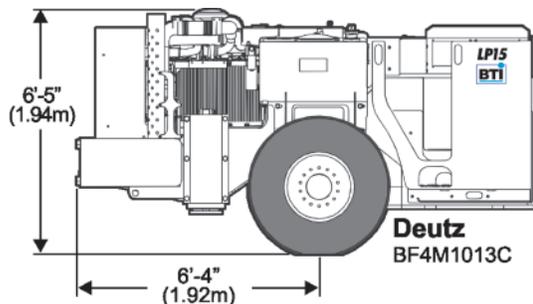


Recommended Drift Height

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

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

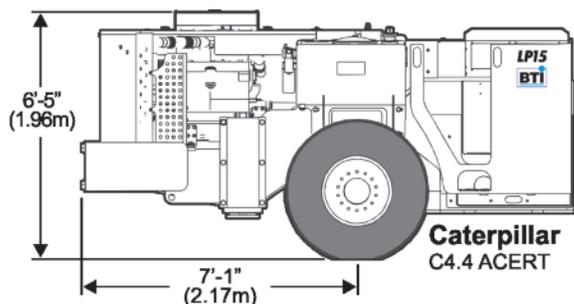
Transmission: Clark 20,000 series, long drop, remote mounted, electric shift
Three forward and three reverse speeds

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

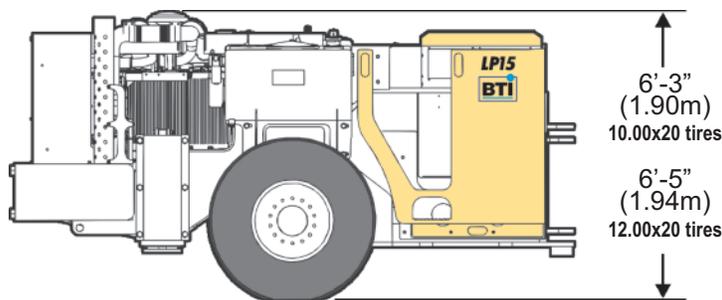
Vehicle speeds with 12:00.x 20 tires @ 2200 rpm with standard axle ratio:
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Boom end axle: New Holland D65I no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes

Drivelines: Mechanics 6C and 7C

PROTECTIVE STRUCTURES OPTIONS

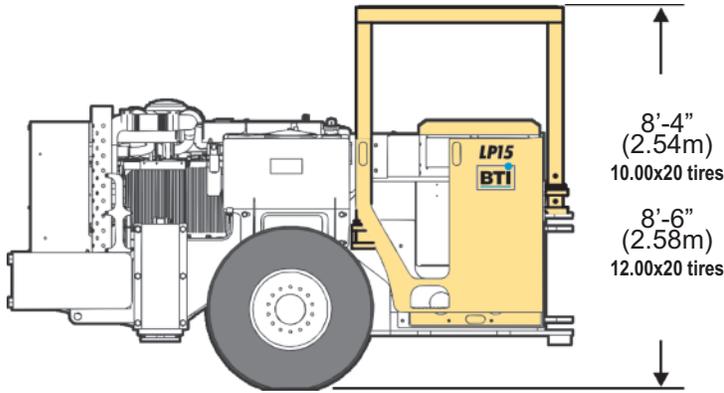


- **Standard Operator Compartment**

Standard dual compartments for operator and passenger.

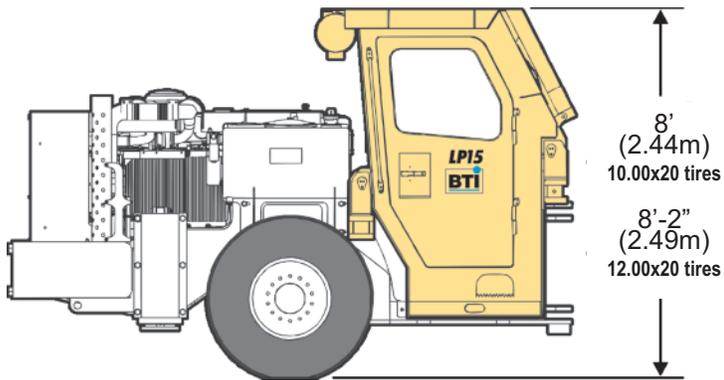
PROTECTIVE STRUCTURES OPTIONS

● Standard ▲ Optional



▲ ROPS/FOPS Canopy

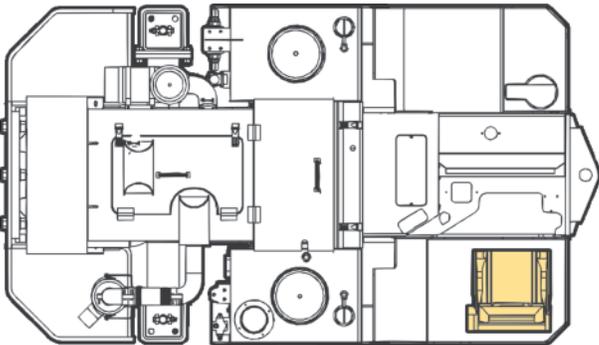
ROPS/FOPS certified 100" configuration, open air.



▲ 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

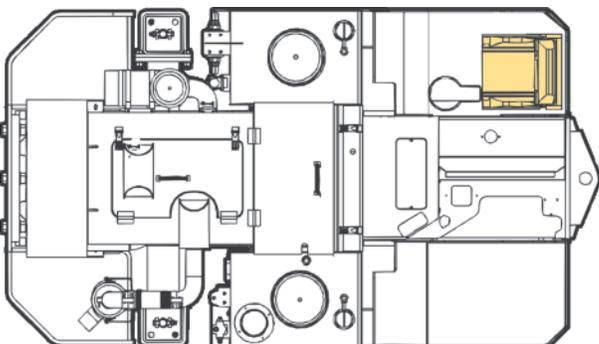


Operator Seat Options

● 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)

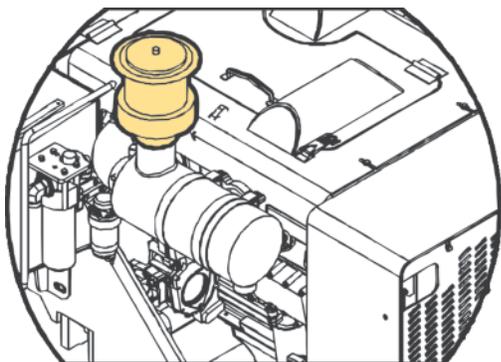
Mine duty passenger seat options available in fixed suspension and fixed air ride variations.

AIR INTAKE SYSTEM OPTIONS

● Standard ▲ Optional

● Air Intake Filter

A dry element filter with safety element and replacement indicator.



▲ Air Intake Precleaner

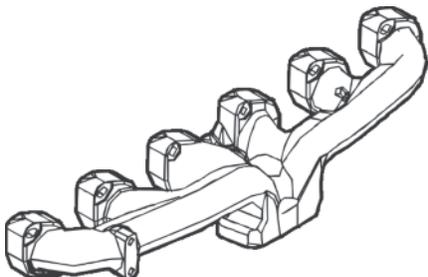
A dry element filter with safety element and replacement indicator, complete with a cyclone Pre-cleaner.

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.

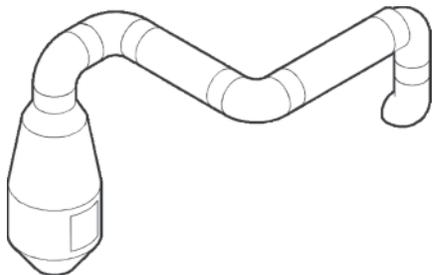


▲ Exhaust Manifold and Turbo Coating

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.

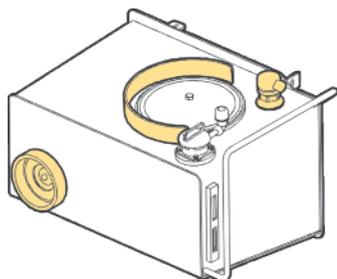
Non-flammable. Protects personnel from burns.

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

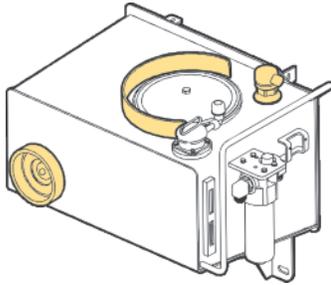
50 gallon (189 liter) fuel tank complete with fast filling system. Designed for on-site fast fluid transfer.

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

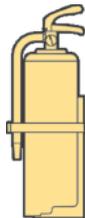
10:00 x 20 solid tires

FIRE SUPPRESSION SYSTEM OPTIONS

● No Fire Suppression System

▲ Fire Extinguisher

1 x 20 lb (9 kg) fire extinguisher.

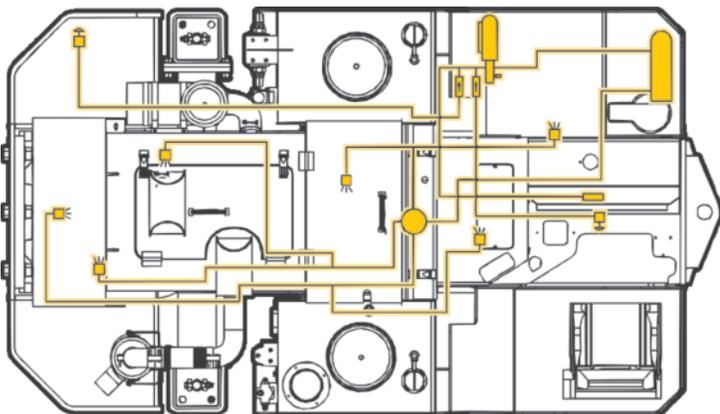


▲ Ansul Fire Suppression

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

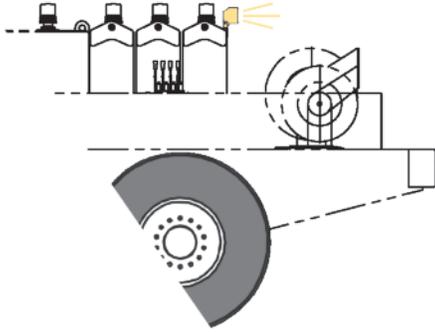
- Standard ▲ Optional



- No Wheel Chocks

- ▲ Wheel Chocks - aluminum
complete with holder

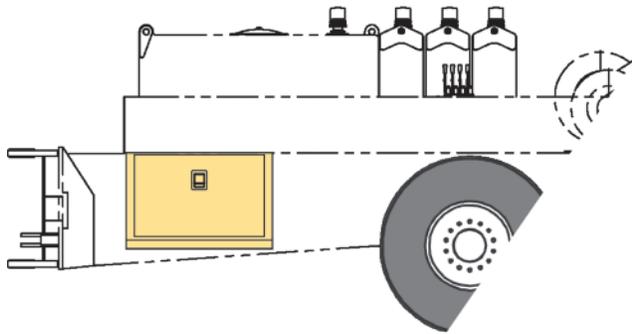
DECK LIGHTING OPTIONS



- No Deck Lighting

- ▲ Qty 2 - 70W Deck Lights
Halogen lamp 24V 70 watt

STORAGE BOX OPTIONS



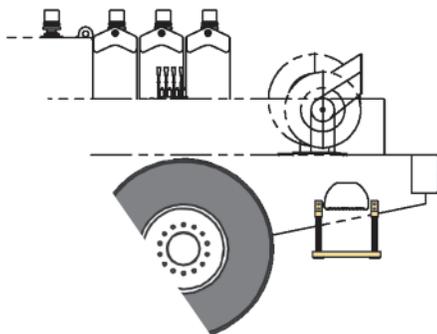
- No Storage Box

Storage Box Options

- ▲ Right Hand Box ▲ Left Hand Box

Jumbo under bed steel storage box
Height: 2' (.61m) Width: 2' (.61m) Length: 3'-.625" (.93m)

LADDER ACCESS OPTIONS



- No Ladder Access

Ladder Access Options

- ▲ Right Hand Ladder ▲ Left Hand Ladder

Step ladder access to fuel lube deck with flexible wire rope bottom rung.



10348-ENG-0509

All dimensions and specifications are subject to change without notice.

