

Fuel Lube Vehicle

AT A GLANCE

Weights & Dimensions: Operating Weight 36,000 lbs (16,364 kg)

Tramming Height 6'-9" (2.05m) Overall Tramming Length 26'-11" (8.2m) Carrier Articulation

ETI

+/- 45°

Overall Width 7'-2" (2.17m)

LP15 BTI

> Inside Turning Radius 13'-10" (4.21m)

> > Standard A Optional

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
 122HP @ 2300 rpm
 MSHA/Tier II

Caterpillar C4.4 ACERT 127HP @ 2200 rpm Tier III

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

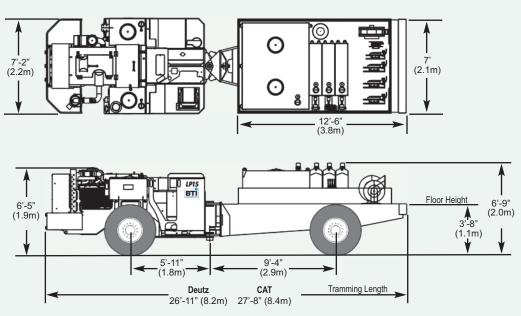
High speed / high mobility underground fuel lube utility vehicle.

+/-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 tramming in both directions.

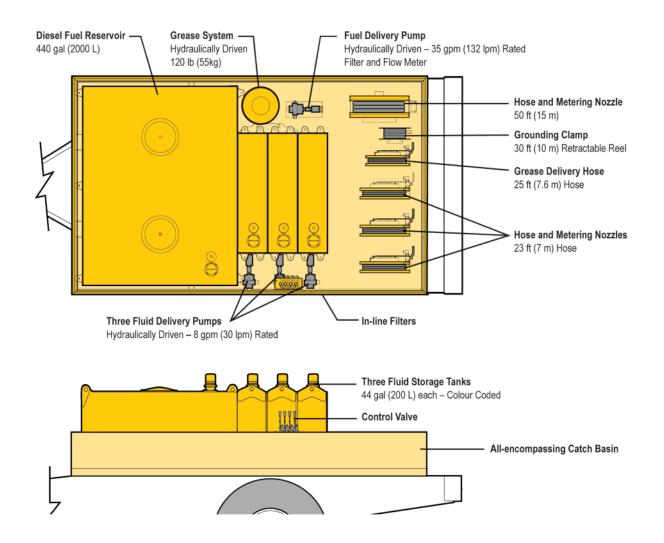
OPTIONS



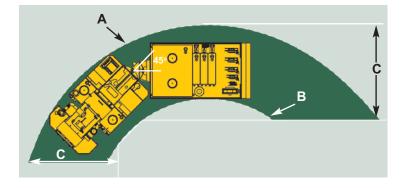
Seating configurations Air intake system Exhaust system Fuel filling system Hydraulic filling system Tires Fire suppression system Wheel chocks Deck lighting Storage boxes Ladder access

Protective operator structure

FL SERIES (LP15) FUEL LUBE STANDARD COMPONENTS



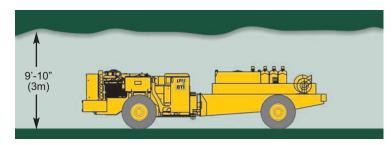
DRIVING SPECIFICATIONS



Turning Radius

Turning radius: +/- 45° articulation

		Deutz	Caterpillar
Α	Outside Turning Radius	23'-0" (7.01m)	23'-2" (7.07m)
В	Inside Turning Radius	13'-1 (4.21	•
С	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)

LP15 CARRIER - STANDARD FEATURES

Standard - common to all engine combinations

Notes:

Optional

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

GREASE DELIVERY SYSTEM

120 lb (55 kg) grease reservoir 25' (7.6m) hose and reel Hydraulically driven pump c/w in-line filter

FUEL DELIVERY SYSTEM

440 gallon (2000 liter) diesel fuel storage tank 50' (15m) hose and reel with metering nozzle 35 gpm (132 lpm) hydraulically driven fuel transfer pump c/w in-line filter 30' (10m) anti-static grounding cable on retractable reel

FLUID DELIVERY SYSTEM

Qty of 3 - 44 gallon (200 liter) fluid storage tanks Qty of 3 - 23' (7m) hoses and reel with metering nozzles Qty of 3 - 8 gpm (30 lpm) hydraulically driven fluid transfer pumps c/w in-line filters

FL (LP15) CARRIER CONFIGURATIONS

Cho	oose	one	per	group
-	~			

Standard A Optional	
Notes:	POWERTRAIN GROUPS
NO(65.	Deutz BF4M1013C
	▲ Caterpillar C4.4 ACERT
	PROTECTIVE STRUCTURE
	Dual compartments for operator and passenger, no protective enclosure
	A 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

FL (LP15) CARRIER CONFIGURATIONS

Choose one per group ● Standard ▲ Optional

Notes:

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 Flow Max 50 gallon (189 liter)

HYDRAULIC TANK

- Hydraulic Tank 50 gallon (189 liter)
- ▲ Hydraulic Tank with Flow Max 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

DECK LIGHTING

- No deck lights
- A Qty 2 x 70W Deck Lights Halogen lamp 24V 70 watt

STORAGE BOX

- No storage box
- Right Hand Box Jumbo under bed steel box Height: 2' (61m) Width: 2' (61m) Longth: 3' 626
 - Height: 2' (.61m) Width: 2' (.61m) Length: 3'-.625" (.93m)
- ▲ Left Hand Box Jumbo under bed steel box Height: 2' (.61m) Width: 2' (.61m) Length: 3'-.625" (.93m)

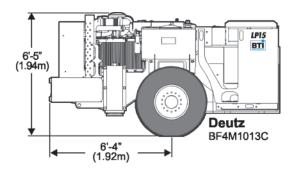
LADDER ACCESS

- No ladder access
 Step ladder access to fuel lube deck with flexible wire rope bottom rung.
- A Right Hand Ladder
- Left Hand Ladder

POWERTRAIN GROUP OPTIONS

Optional





7'-1" (2.17m)

6'-5" (1.96m) 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) - **2**nd gear: 6.2mph (10.9 kph) - **3**rd 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

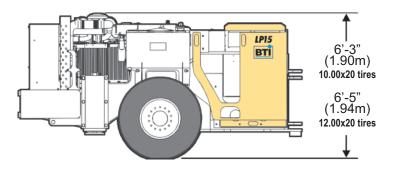
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PROTECTIVE STRUCTURES OPTIONS

LP15 BTI

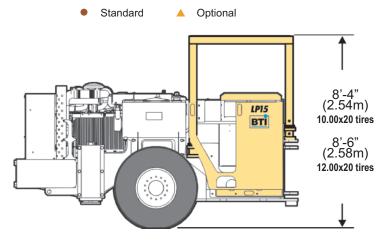
Caterpillar C4.4 ACERT

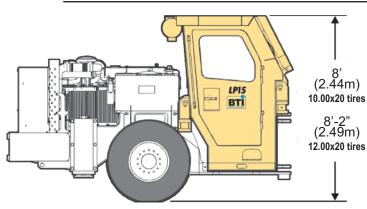


Standard Operator Compartment

Standard dual compartments for operator and passenger.

PROTECTIVE STRUCTURES OPTIONS





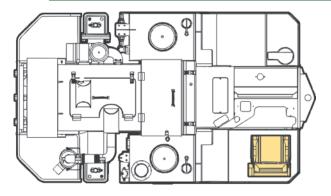
▲ ROPS/FOPS Canopy

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 flyrock. Includes heavy-duty safety glass, wiper/washers, HVAC heat / air conditioning system, air pressurization system.

OPERATOR SEAT OPTIONS

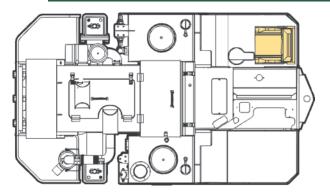


Operator Seat Options

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 ▲ Air Ride Seat, fixed (facing front) (facing front)

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

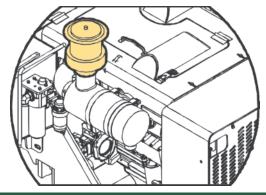
AIR INTAKE SYSTEM OPTIONS

Standard

Optional

Air Intake Filter

A dry element filter with safety element and replacement indicator.



EXHAUST SYSTEM OPTIONS

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.

Catalytic Exhaust

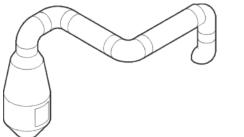
A catalytic exhaust, purifier/silencer. No exhaust blanket.

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.

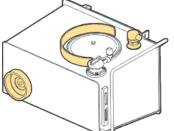
Non-flammable. Protects personnel from burns.

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



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

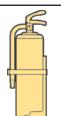
12:00 x 20 foam filled tires

Solid Tires

10:00 x 20 solid tires

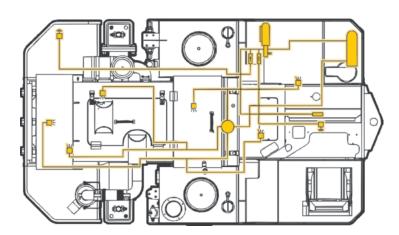
FIRE SUPPRESSION SYSTEM OPTIONS

No Fire Suppression System



▲ Fire Extinguisher

1 x 20 lb (9 kg) fire extinguisher.



▲ Ansul Fire Suppression

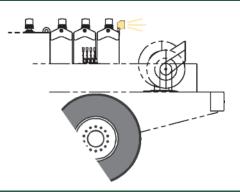
Ansul fire suppression system, 6 nozzle, complete with 2 actuators. Complete with 20lb (9 kg) fire extinguisher.

▲ 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

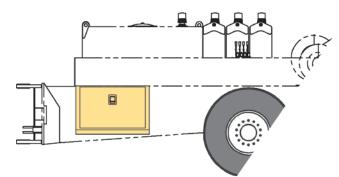
DECK LIGHTING OPTIONS



No Deck Lighting

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

STORAGE BOX OPTIONS



No Storage Box

Storage Box Options

A 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.



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All dimensions and specifications are subject to change without notice.



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