



BTI BREAKER TECHNOLOGY
an Astec Industries Co.

ALB SERIES

-LP15ARW

ANFO Loading Vehicle

- ALB-4.5
- ALB-9
- ALB-14

AT A GLANCE

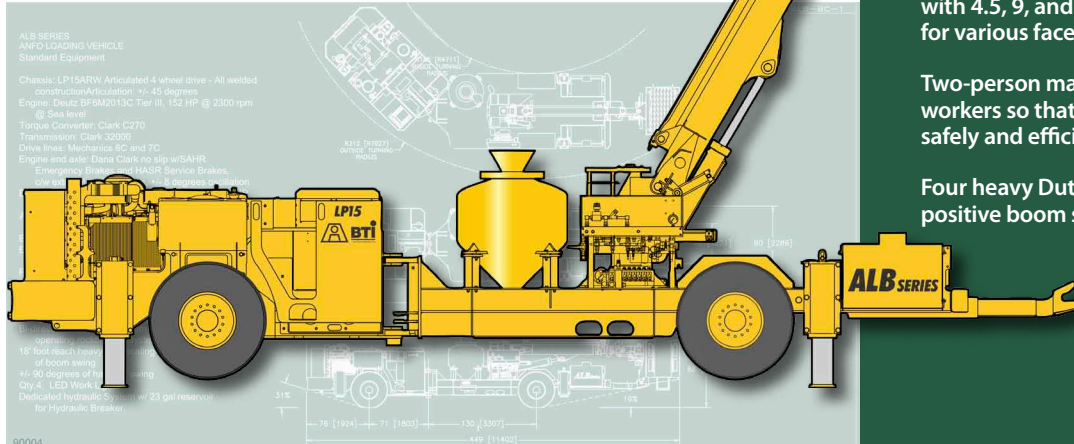
Weights & Dimensions:

	Operating Weight	Overall Traming Length	Overall Width
ALB-4.5	45,365lb (20,620kg)	37' 5" (11.3m)	7' 6" (2.3m)
ALB-9	46,550lb (21,160kg)	38' 2" (11.6m)	7' 6" (2.3m)
ALB-14	47,735 lb (21,700kg)	40' 6" (12.2m)	7' 6" (2.3m)
	Traming Height	Carrier Articulation	Inside Turning Rad
ALB-4.5	8' 8" (2.6m)	+/- 45°	15' 5" (4.6m)
ALB-9	8' 8" (2.6m)	+/- 45°	15' 5" (4.6m)
ALB-14	8' 8" (2.6m)	+/- 45°	15' 5" (4.6m)
	Outside Turning Rad	Boom Swing	Max Horizontal Reach
ALB-4.5	26' 0" (7.9m)	+/- 35°	26' (7.9m)
ALB-9	26' 9" (8.2m)	+/- 35°	36' (11.0m)
ALB-14	27' 5" (8.4m)	+/- 35°	42' 10" (13.1m)

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

Engine Configurations:

- Standard
- ▲ Optional
- Deutz BF4M1013EC 115hp (86kw) @ 2300rpm
- ▲ Caterpillar C4.4 ACERT 127hp (95kw) @ 2200rpm
- ▲ Deutz BF4M1013EC (154hp / 113kw) @ 2300rpm



FEATURES & BENEFITS

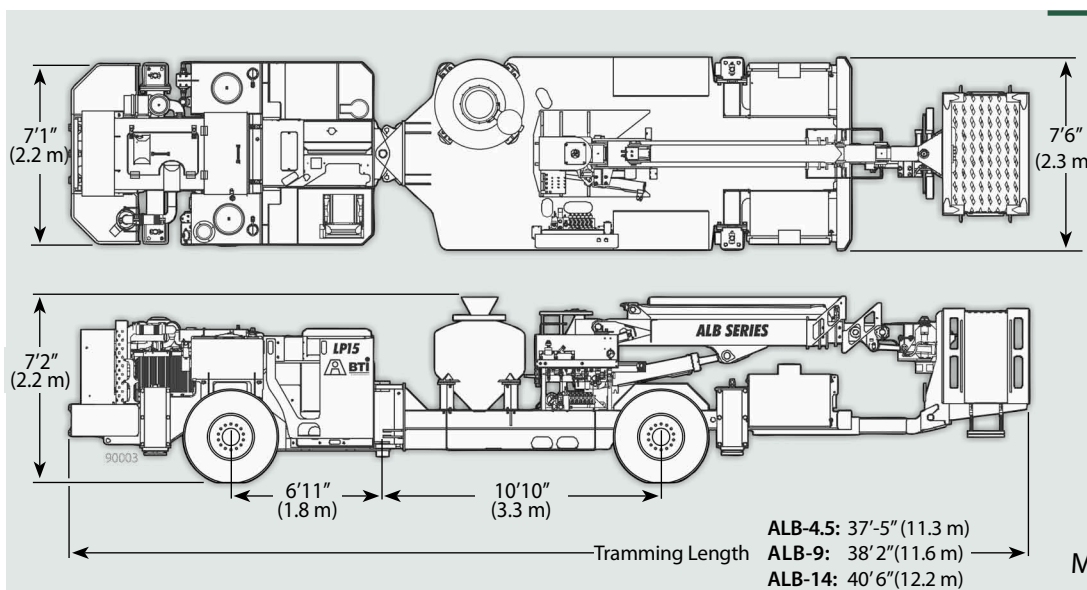
Long Life, Solid Stainless Steel Tanks in single and double tank layouts - available from 600 lbs to 2,000 lbs capacity. Single, or dual discharge is available from each port.

There are two Coverage Options available with 4.5, 9, and 14 foot extension booms for various face loading requirements.

Two-person manbasket positions the workers so that blast hole charging is done safely and efficiently.

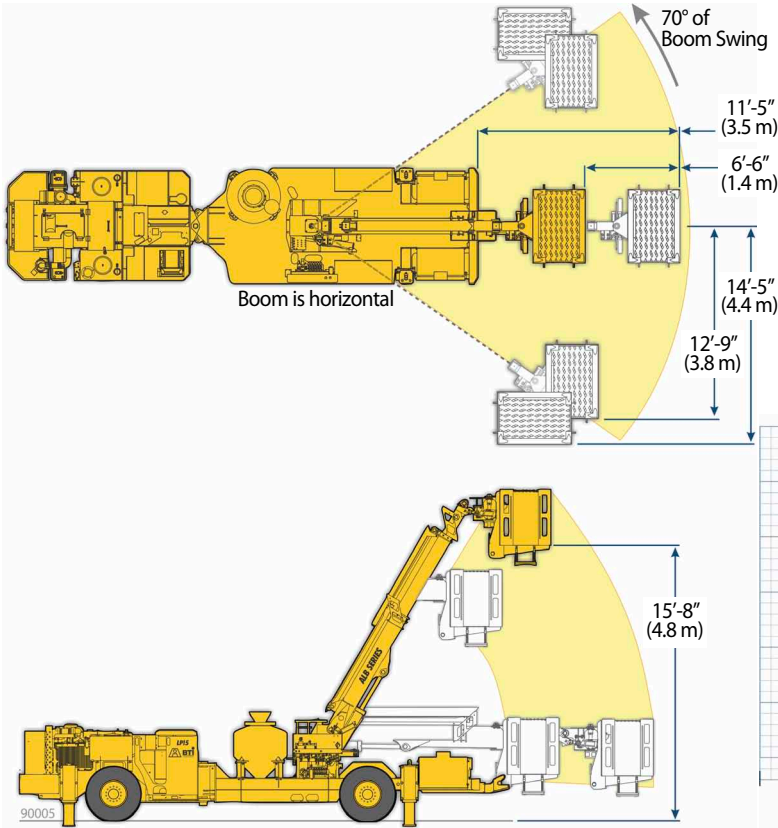
Four heavy Duty Stabilizers provide positive boom stability.

OPTIONS

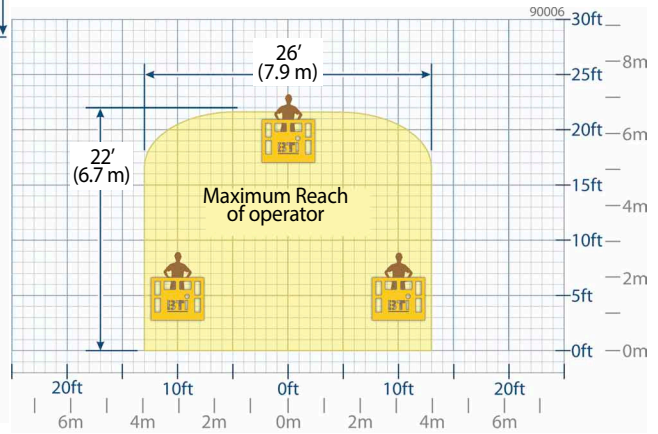


- Protective operator cab
- Seating configurations
- Air intake system
- Exhaust system
- Air compressor
- Engine
- Tires
- Wheel chocks
- Fast fill fuel tank
- Fast fill hydraulic tank
- Electric power pack
- Manbasket operation
- ANFO delivery system
- ANFO vessel capacity
- Fire suppression system
- Manbasket boom greasing

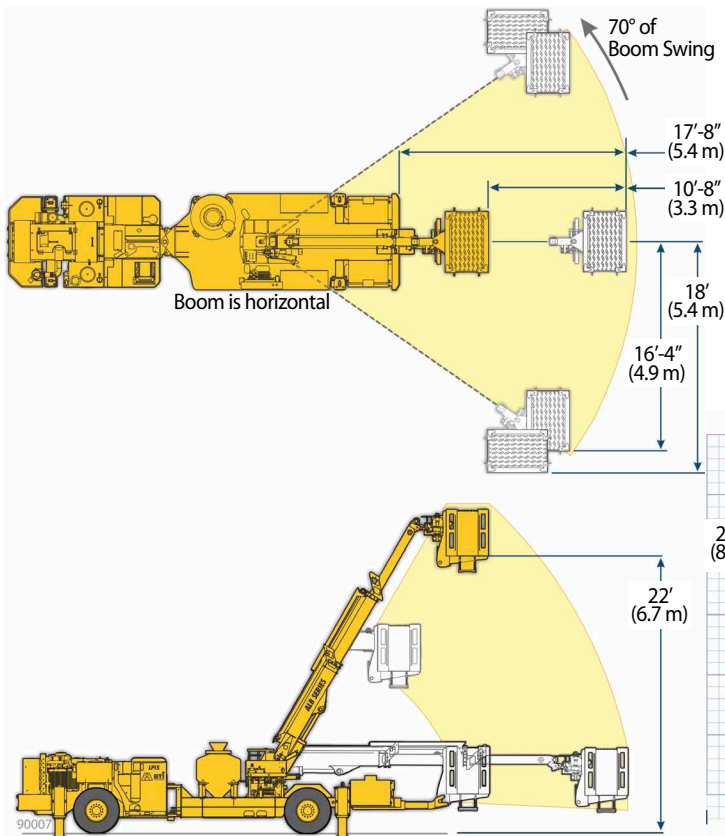
ANFO LOADER COVERAGE - ALB-4.5



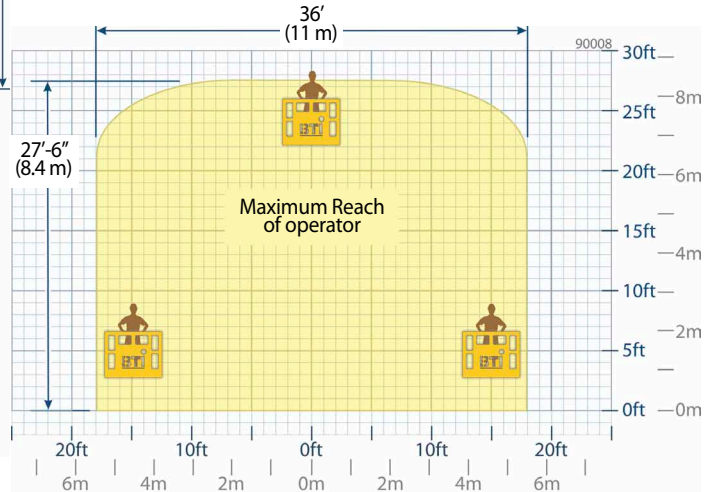
Face Coverage



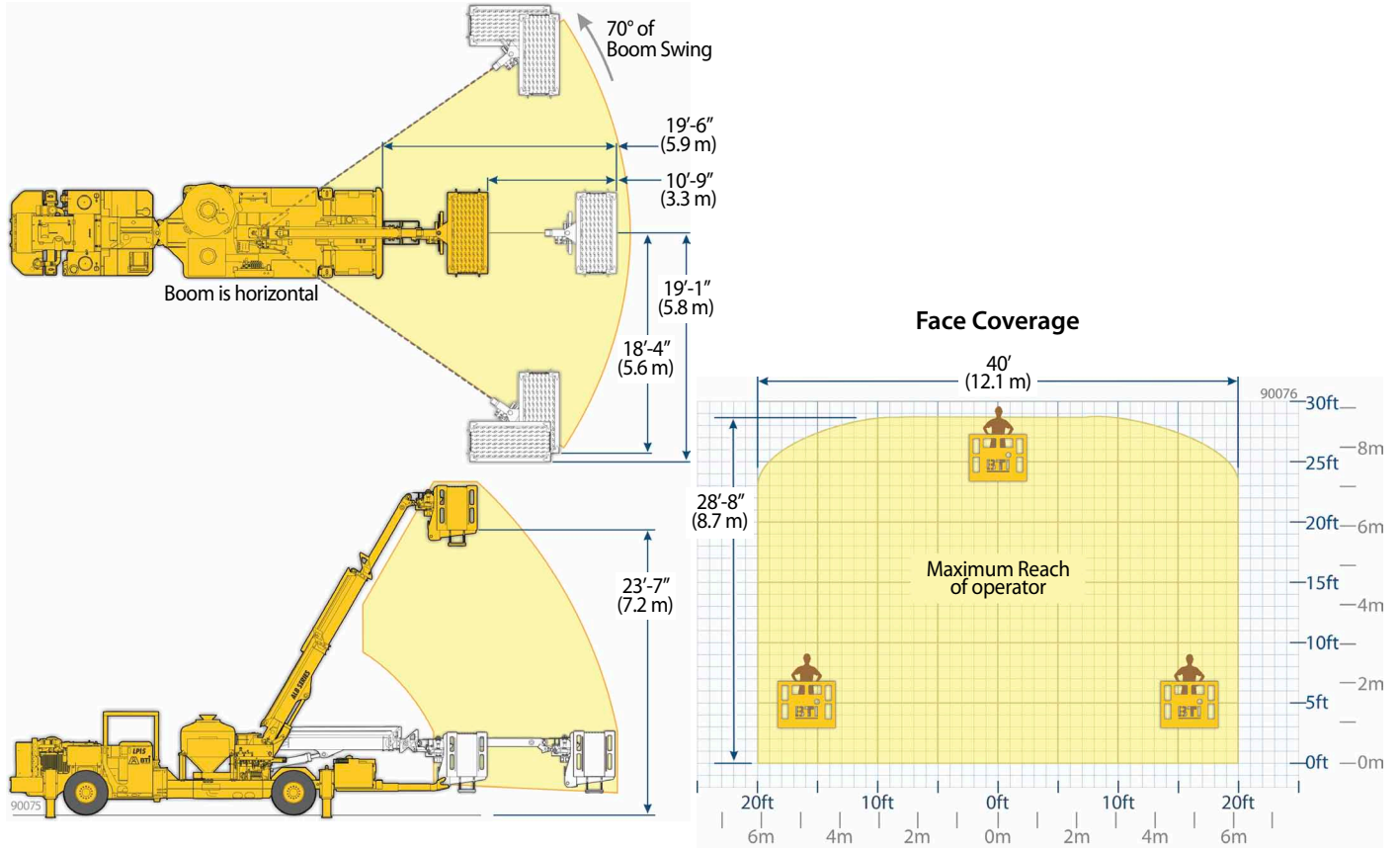
ANFO LOADER COVERAGE - ALB-9



Face Coverage



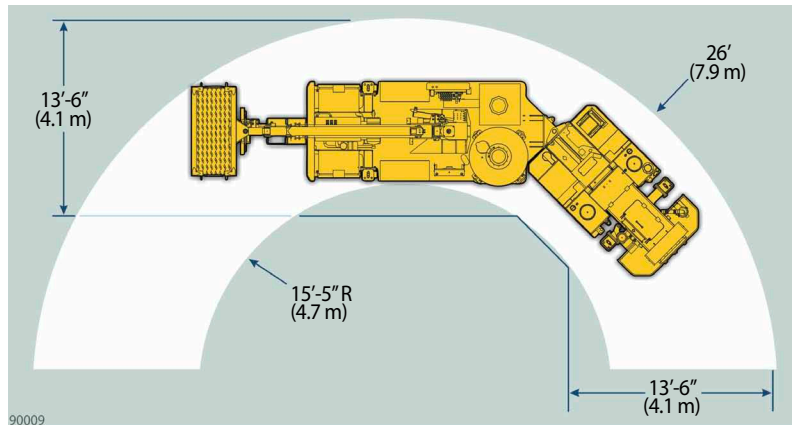
ANFO LOADER COVERAGE - ALB-14



ALB ANFO LOADER TURNING RADIUS

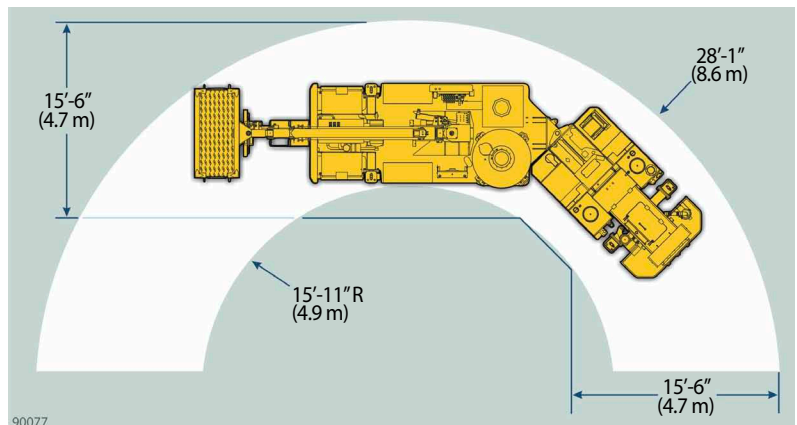
ALB-4.5 & ALB-9
Turning Radius
 Outside turning radius: 26 ft (7.9 m)
 Turning radius: +/- 45° articulation

For optimum stability, boom should remain in-line with the carrier.



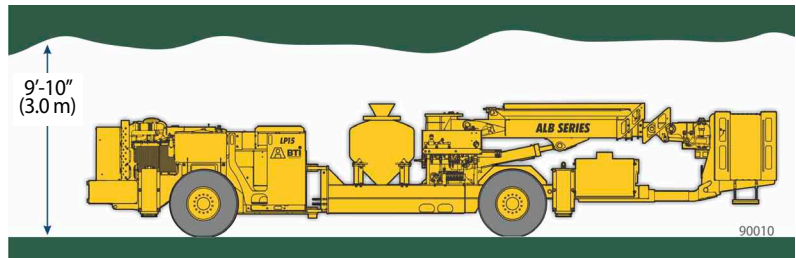
ALB-14
Turning Radius
 Outside turning radius: 28 ft (8.6 m)
 Turning radius: +/- 45° articulation

For optimum stability, boom should remain in-line with the carrier.



ALB DRIVING & SCALING SPECIFICATIONS

**Recommended Drift Height
for Trimming**
Minimum drift height with cab:
9'- 10" (3 M).



LP15 CARRIER - COMMON FEATURES

NOTES:

- Standard
- ▲ Optional

- **CHASSIS**
LP15ARW 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" (100 mm) bore x 2" (50 mm) rod steering cylinders complete with stick steering control
- **HYDRAULIC SYSTEM**
75 cc/rev hydraulic piston pump with load sense control
In-line hydraulic pressure filter / In-line return filter
Air over oil fin type oil cooler c/w 24 VDC fan
- **ELECTRICAL SYSTEM**
24 VDC start/run 100 amp alternator
Murphy Power Vu instrument cluster for electronic engines
Engine end: 2x LED red tram marker lights & 2x LED head lights (1800 LUMENS)
Boom end: 2x LED red tram marker lights & 2x LED head lights (1800 LUMENS)
Manbasket mounted: 2x LED working lights (1800 LUMENS)
- **STABILIZERS**
Qty four 4" (100 mm) bore x 2" (50 mm) rod cylinder reinforced tube-in-tube construction providing 17" (432 mm) of stroke
Operated by 3 valve spools, one per each boom end stabilizer and one operating both engine end stabilizers providing a self-leveling function
- **MAN BASKET BOOM**
2'-6" x 4' (0.8 x 1.2m) Man basket Assembly
Single ANFO Discharge Hose in manbasket
Hydraulic pilot boom/manbasket controls
Manbasket Support
- **ANFO VESSEL**
One stainless steel vessel with 1000 lb (454 kg) capacity.

ALB CARRIER CONFIGURATIONS

NOTES:

- Standard
- ▲ Optional

- **POWERTRAIN GROUPS**
 - Deutz BF4M1013EC (115hp / 86 kw)
 - ▲ Caterpillar C4.4 ACERT (127hp / 95 kw)
 - ▲ Caterpillar C4.4 ACERT (154hp / 113 kw)
- **PROTECTIVE STRUCTURE**
 - Dual compartments for operator & 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

ALB CARRIER CONFIGURATIONS - cont'd

NOTES:

- Standard
- ▲ Optional

OPERATOR SEAT

- Suspension Seat
- ▲ Air Ride Seat

PASSENGER SEAT

- No passenger seat
- ▲ Suspension Seat, mine duty passenger seat
- ▲ Air Ride Seat, mine duty passenger seat

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 tires: 12:00 x 20, 20 ply, mine lug tread
- ▲ Foam filled tires: 12:00 x 20, 28 ply
- ▲ Solid tires: 12:00 x 20

FIRE SUPPRESSION SYSTEM

- Ansul Fire Suppression system, Fire Extinguisher, 1x20 lb (9 kg)
- ▲ Ansul Fire Suppression with Auto Detection, c/w Fire Extinguisher, 1x20 lb (9 kg)

ELECTRIC POWER PACK

- No power pack
- ▲ Power Pack, 75 hp (56 kW) electric/hydraulic
- ▲ Power Pack with Cable Reel, 75 hp (56 kW) electric/hydraulic

WHEEL CHOCKS

- No Wheel Chocks
- ▲ Aluminum Wheel Chocks

MANBASKET BOOM GREASING SYSTEM

- Point of use grease fittings - no remote greasing points
- ▲ Boom Manual Lube System, manbasket boom system only
- ▲ Boom Auto-Lube System, manbasket boom system only

ANFO VESSEL CAPACITY

- Single Tank: 1000 lb (453 kg)
- ▲ Single Tank: 1500 lb (680 kg) / 2000 lb (907 kg)
- ▲ Double Tank: 1000 lb (453 kg) / 1500 lb (680 kg) / 2000 lb (907 kg)

REMOVABLE ANFO TANK

- Not removable
- ▲ Quick Disconnect ANFO tank

ALB CARRIER CONFIGURATIONS - cont'd

NOTES:

- Standard
- ▲ Optional

AIR COMPRESSOR

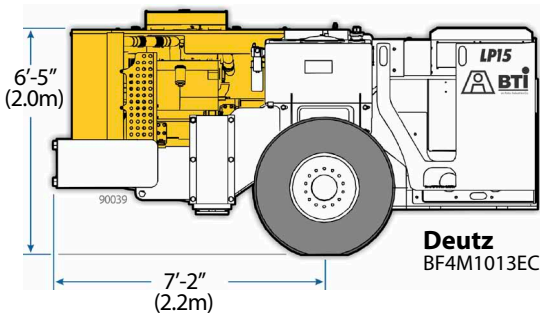
- No air compressor
- ▲ 135CFM air compressor

ANFO DELIVERY SYSTEM

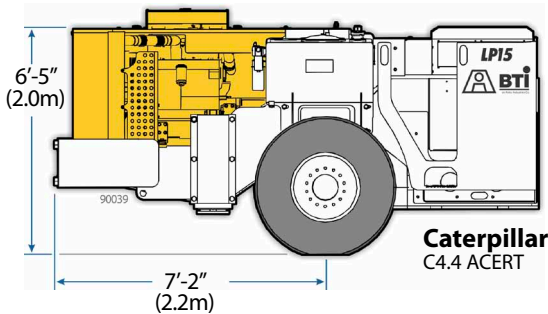
- Single discharge from single vessel
- ▲ Dual discharge from single vessel

POWERTRAIN GROUP OPTIONS

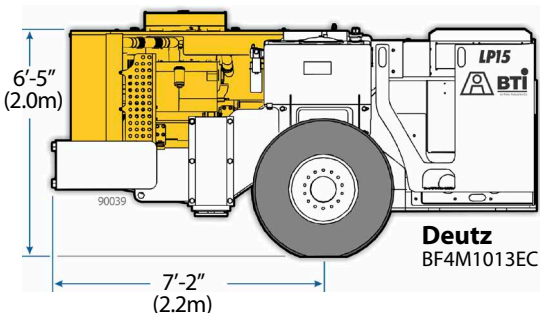
- Standard
- ▲ Optional



- **Engine:** Deutz BF4M1013EC, 4-cylinder, turbocharged, intercooled diesel, MSHA/Tier II, 115hp (86kW) @ 2300rpm c/w fuel filter & water separator
- **Torque converter:** Dana C2000 series
- **Transmission:** Dana 20,000 series, long drop, remote mounted, electric shift. Three forward and three reverse speeds. Vehicle speeds with 12 x 20 tires @ 2200 rpm with standard axle ratio: **1st gear:** 2.4mph (3.9kph) • **2nd:** 6.2mph (10kph) • **3rd:** 11.4mph (18.3kph)
- **Engine end axle:** New Holland D65I, no-spin differential, wet disk SAHR emergency brakes, wet disk HASR service brakes.
- **Boom end axle:** New Holland D65I, no-spin differential, wet disk SAHR emergency brakes, wet disk HASR service brakes.
- **Drivelines:** Mechanics 6C and 7C

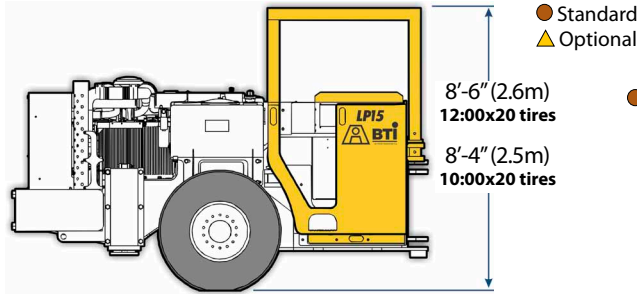


- ▲ **Engine:** Caterpillar C4.4 ACERT electronic 4-cylinder, turbocharged, intercooled diesel, Tier III, 127hp (95kW)@2200rpm c/w fuel filter & water separator
- ▲ **Torque converter:** Dana C2000 series
- ▲ **Transmission:** Dana 20,000 series, long drop, remote mounted, electric shift. Three forward and three reverse speeds. Vehicle speeds with 12x20 tires @ 2200rpm with standard axle ratio **1st gear:** 2.4mph (3.9kph)•**2nd:** 6.2mph (10kph)•**3rd:** 11.4mph (18.3kph)
- ▲ **Engine end axle:** New Holland D65I, no-spin differential, wet disk SAHR emergency brakes, wet disk HASR service brakes.
- ▲ **Boom end axle:** New Holland D65I, no-spin differential, wet disk SAHR emergency brakes, wet disk HASR service brakes.
- ▲ **Drivelines:** Mechanics 6C and 7C



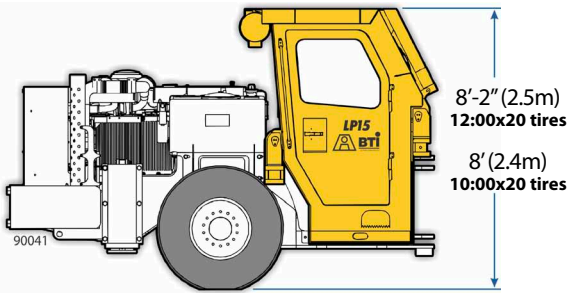
- ▲ **Engine:** Deutz BF4M1013EC, 4-cylinder, turbocharged, intercooled Diesel, MSHA/Tier II, 154hp (113kw) @ 2300 RPM c/w fuel filter & water separator
- ▲ **Torque Converter:** Dana C270 series
- ▲ **Transmission:** Dana 32,000 series, long drop, remote mounted, electric shift. Three forward and three reverse speeds. Vehicle speeds with 12:00x20 tires @ 2200rpm with standard axle ratio: **1st gear:** 2.4mph (3.9kph)•**2nd:** 6.2mph (10.9 kph)•**3rd:** 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 STRUCTURE OPTIONS



● **ROPS/FOPS Canopy**

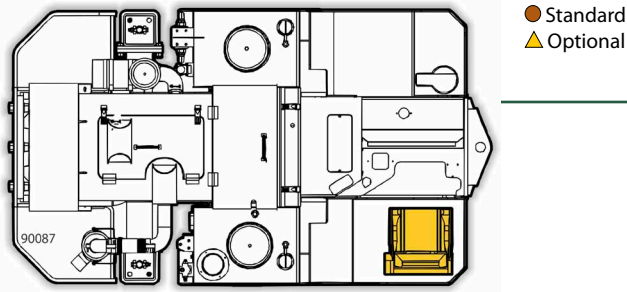
Tested & certified ROPS/FOPS canopy, c/w guard bars to help protect operator and passenger from dangerous fly-rock. Complete with swivel operator seat.



▲ **ROPS/FOPS Cab**

Full cab; covers operator, controls & passenger. Tested and certified ROPS/FOPS cab, c/w guard bars to protect operator and passenger from dangerous fly-rock. Includes heavy-duty safety glass, wiper/washers, HVAC heat / air conditioning system, air pressurization system & operator swivel seat.

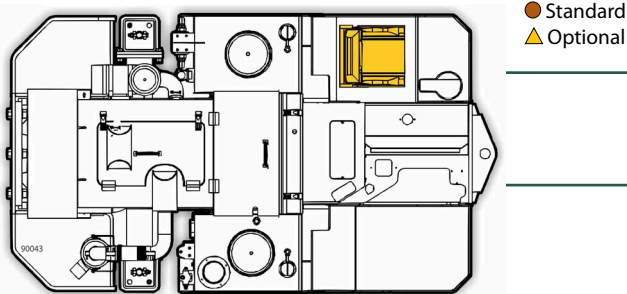
OPERATOR SEAT OPTIONS



● **Suspension Seat**

▲ **Air Ride Seat**

PASSENGER SEAT OPTIONS

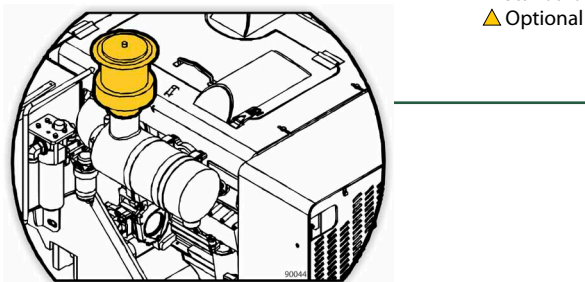


● **No passenger seat**

▲ **Suspension seat**
(facing manbasket boom)

▲ **Air ride seat**
(facing manbasket boom)

AIR INTAKE SYSTEM OPTIONS



● **Air Intake Filter**

A dry element filter with safety element and replacement indicator.

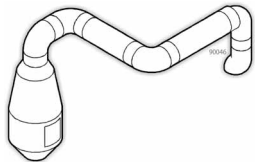
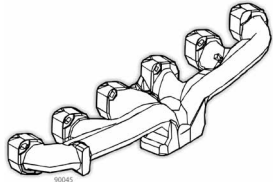
▲ **Air Intake Precleaner**

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

A pre-cleaner extends the life of an air filter by removing dirt & contaminants before reaching the filter & ejecting them via the exhaust.

EXHAUST SYSTEM OPTIONS

- Standard
- ▲ Optional

● **Catalytic Exhaust**

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

▲ **Exhaust Manifold and Turbo Coating**

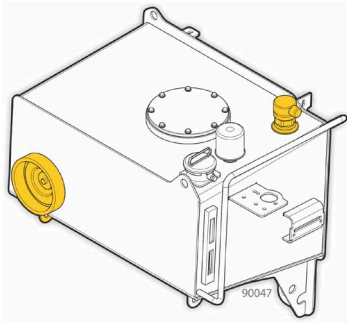
Prevents fluids from igniting on hot engine and exhaust parts. High temperature performance: ideal for engine compartment components requiring long-term exposure to high temperatures.

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

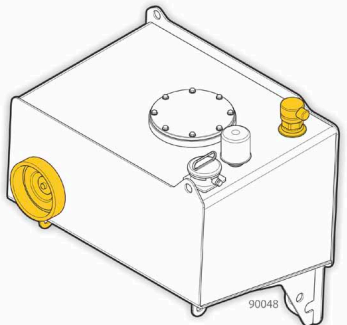
- Standard
- ▲ Optional

● **Fuel Tank**

50 gallon (189 liter) fuel tank, top fill.
4 psi pressurized cap.

▲ **Fuel Tank with Fast Fill**

50 gallon (189 liter) fuel tank complete with Fast Fill filling system. Designed for on-site fast fluid transfer.
12 psi pressurized cap.

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 Fill filling system. Designed for on-site fast fluid transfer.
12 psi pressurized cap.

FIRE SUPPRESSION SYSTEM OPTIONS

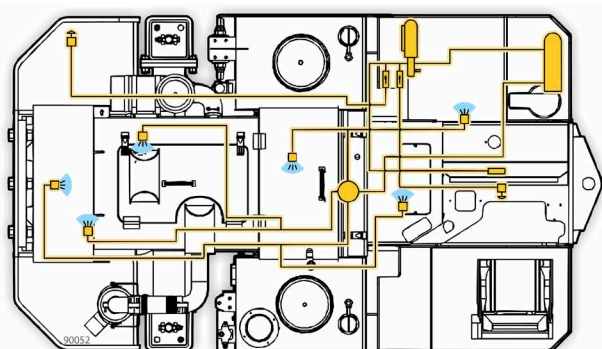
- Standard
- ▲ Optional

● **Ansul Fire Suppression**

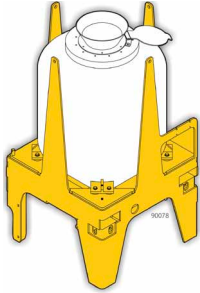
Ansul fire suppression system, 6 nozzle stainless steel fittings, c/w 2 actuators. All fittings are compatible with ANFO environments.
Complete with 20 lb (9 kg) fire extinguisher.

▲ **Ansul Fire Suppression with Detection**

Ansul fire suppression system, 6 nozzle stainless steel fittings, c/w 2 actuators. All fittings are compatible with ANFO environments. Includes a check fire detection and activation system.
Complete with 20 lb (9 kg) fire extinguisher.



REMOVABLE ANFO TANK OPTION



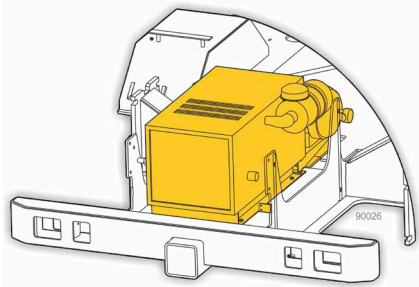
- Standard
- ▲ Optional

● **Not Removable**

▲ **Quick Disconnect**

Quick disconnect plumbing with BTI quick anchoring system allows ANFO Tanks to be removed from machine quickly and safely.

AIR COMPRESSOR OPTION



- Standard
- ▲ Optional

● **Air Supply**

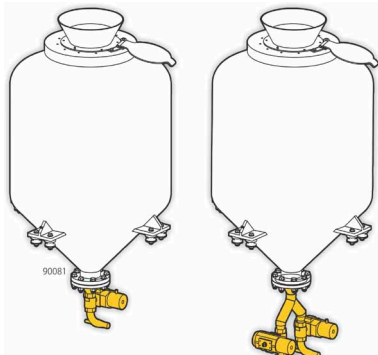
Connects to mine air supply

▲ **Air Compressor**

135 CFM hydraulic driven air compressor eliminates the need for hooking up to mine air, and supplies adequate air volume to operate any combination of ANFO Discharge System and ANFO Vessel(s). Includes hydraulic oil cooler.

Requires 154 hp (115 kW) engine

ANFO DELIVERY SYSTEM OPTIONS PER TANK



- Standard
- ▲ Optional

● **Single Discharge**

Single Discharge from a single vessel.
(1 discharge hose in total)

▲ **Dual Discharge**

Dual discharge from a single vessel
(2 discharge hoses in total)

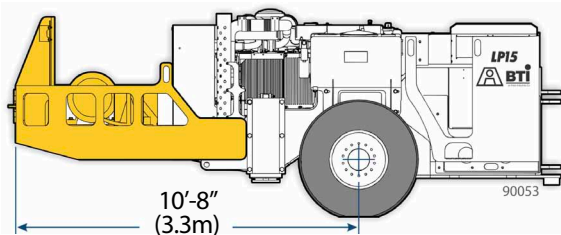
Note: correct ANFO quantity must be selected for use with specific option.

ELECTRIC POWER PACK OPTIONS

- Standard
- ▲ Optional

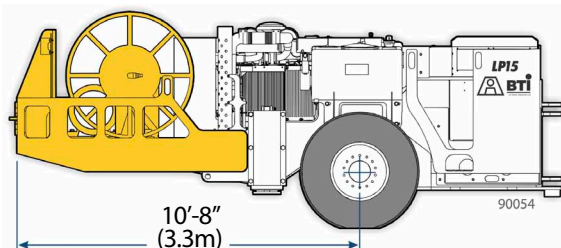
● **No Power Pack**

Standard bumper



▲ **Power Pack**

Power Pack, bumper mounted 75 hp (56 kW) electric motor, c/w starter panel.
Advise voltage at time of order.
Cable reel not included.



▲ **Power Pack with Cable Reel**

Bumper mounted, 75 hp (56 kW) electric auxilliary electric/hydraulic power pack.
100cc/rev pump c/w starter panel and cable reel.
Cable supplied by customer. Advise voltage at time of order.

BOOM GREASING SYSTEM OPTIONS

- Standard
- ▲ Optional

● **Point of Use**

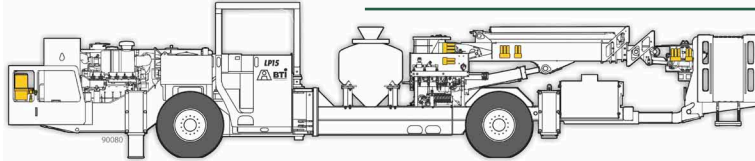
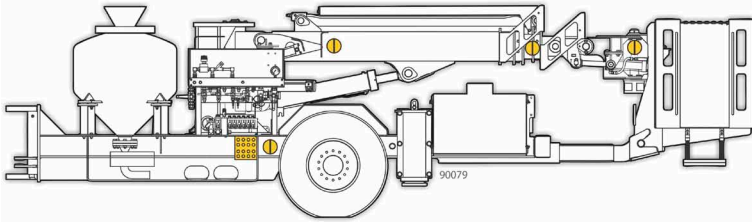
Point of use grease fittings, no remote greasing points

▲ **Manbasket Boom Manual Grease System**

Manual greasing system, boom only. Strategically placed grease manifolds which are easily accessible by grease gun for lubricating all boom cylinders and boom pivot pins.

▲ **Manbasket Boom Auto-Grease System**

Auto grease system, boom only. VDC grease pump with a 5 gal (19 liter) reservoir, located at midship. Timer activated grease injector manifolds lubricates all boom cylinders & boom pivot points.



ANFO VESSEL CAPACITY OPTIONS / STANDARD MOUNTING

- Standard
- ▲ Optional

● **Single Tank**

1,000 lb (453.6 kg) capacity

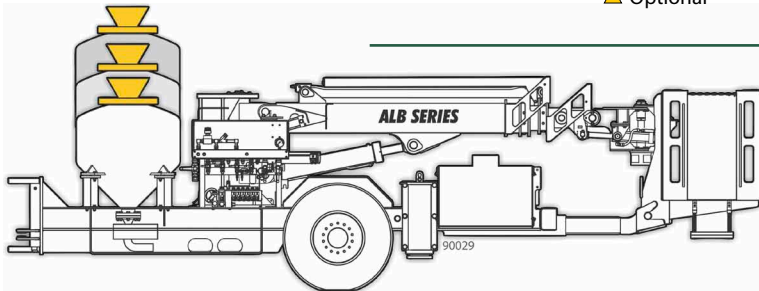
Single Tank

- ▲ 1500 lb (680.4 kg)
- ▲ 2000 LB (907.2 kg)

Double Tank

- ▲ 1000 lb (453.6 kg)
- ▲ 1500 lb (680.4 kg)
- ▲ 2000 LB (907.2 kg)

Stainless steel vessel construction with auto-closure feature and fill cone. Multiple capacities available in quantities of 1 or 2.



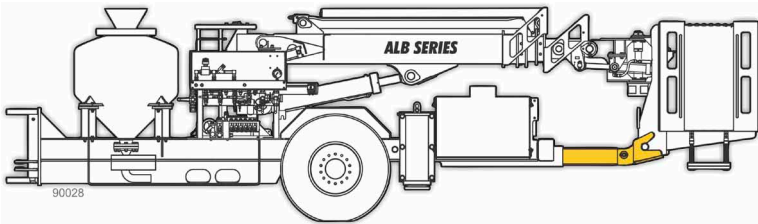
HYDRAULIC MANBASKET BOOM REST OPTION

- Standard
- ▲ Optional

● **Fixed Boom Rest**

▲ **Hydraulic Boom Rest**

Hydraulic operated Manbasket Boom Rest is controlled from ground level and allows the rest to be retracted out of the way when loading ANFO from ground level.



TIRE OPTIONS

- Standard
- ▲ Optional

● **Pneumatic Tires**

12:00 x 20; 20 ply, air filled, mine lug tread

▲ **Foam Filled Tires**

12:00 x 20; 28 ply, foam filled

▲ **Solid Tires**

12:00 x 20



WHEEL CHOCK OPTIONS

- Standard
- ▲ Optional

● **No Wheel Chocks**

▲ **Wheel Chocks - aluminum**

Complete with holder



ALB SERIES SALES SPECIFICATIONS

NOTES:

Two vertical columns of horizontal lines for handwritten notes.

ISO 9001:2008
ISO 14001:2004



All dimensions and specifications are subject to change without notice.



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