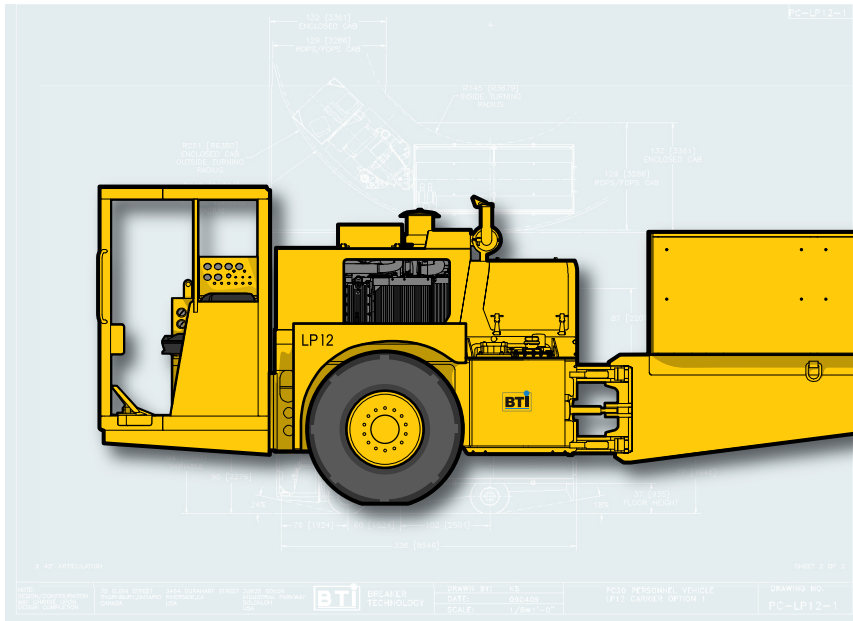


PC SERIES - LP12

Personnel Carrier Vehicle



AT A GLANCE

Weights & Dimensions:

Operating Weight 26,000 lbs (11,818 kg)	Overall Traming Length 29'-8" (9.05 m)	Overall Width 7'-3" (2.2 m)
Traming Height 7'-6" (2.28 m)	Carrier Articulation +/- 45°	Inside Turning Radius 12'-1" (3.68 m)
Outside Turning Radius 20'-11" (6.38 m)		

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

Engine Configurations:

● Standard ▲ Optional

- Deutz BF4M1013C ▲ Caterpillar C4.4 ACERT
- 122 hp (91 kW) @ 2300 rpm 127 hp (95 kW) @ 2200 rpm
- MSHA/Tier II Tier III

Personnel Capacity

- 20 + Operator; + Opt. Passenger seat

Bench Seating with Backrests

Three Point Access into Rear Passenger Area

Rear Deck Area

- 7'-3" x 16'-10" (2.2 m x 5.14 m)

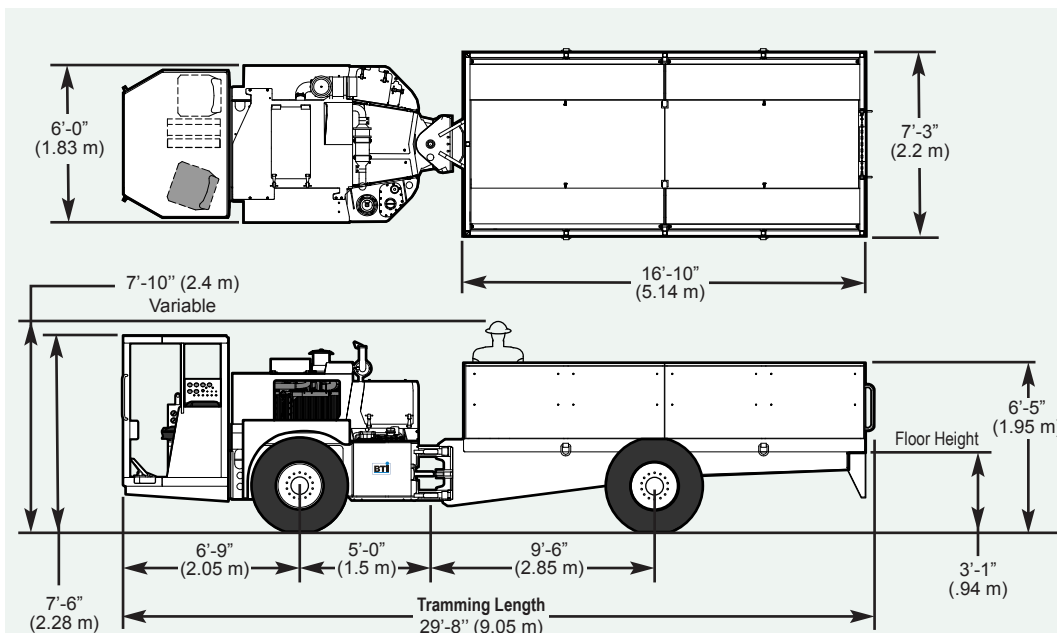
FEATURES & BENEFITS

High speed / high mobility underground personnel carrier vehicle.

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

Close coupled engine/transverter provides a short turning radius and excellent weight distribution.

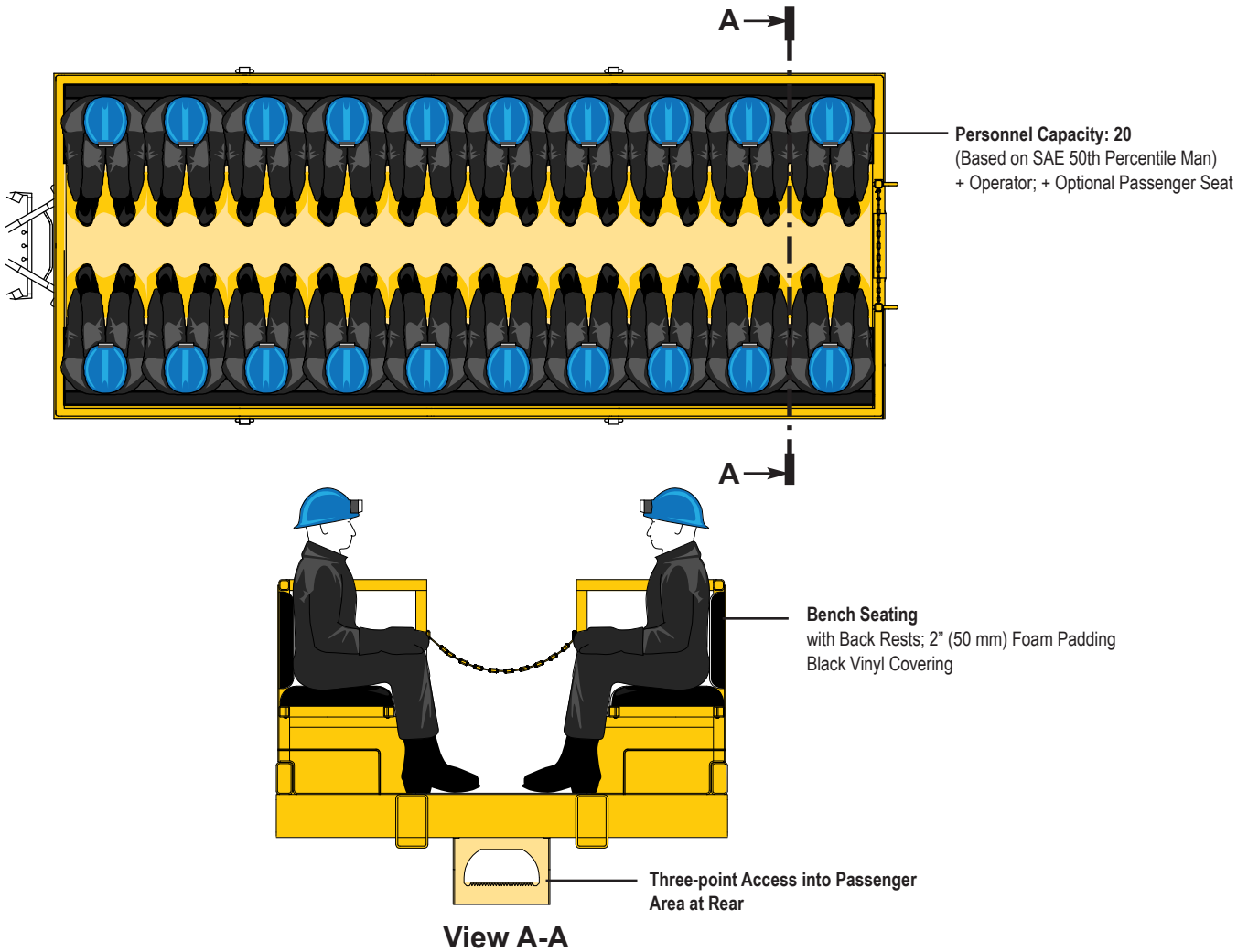
Operator's compartment provides comfort and visibility for operator and passenger.



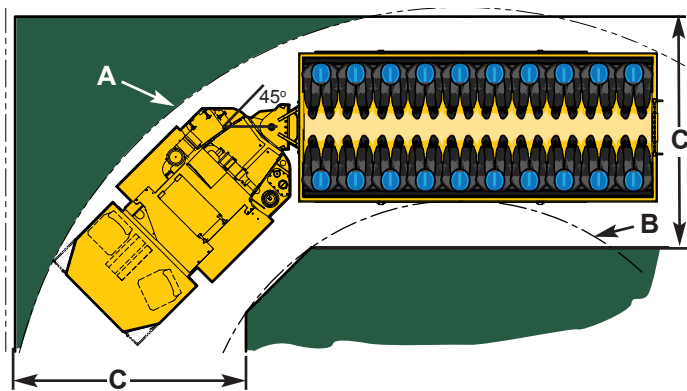
OPTIONS

- Protective operator structure
- Seating configurations
- Air intake system
- Exhaust system
- Hydraulic filling system
- Tires
- Fire suppression system
- Wheel chocks
- Rear deck lighting
- Passenger canopy
- Plexiglass windows
- Foldable rear seating

PC SERIES (LP12) PERSONNEL CARRIER COMPONENTS



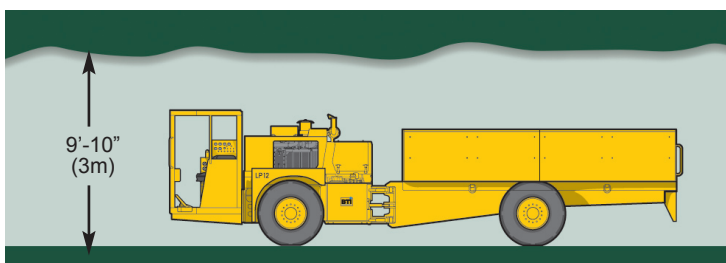
DRIVING SPECIFICATIONS



Turning Radius

Turning radius: +/- 45° articulation

		Fully Enclosed Cab	Open Air Canopy
A	Outside Turning Radius	20'-11" (6.38 m)	20'-8" (6.3 m)
B	Inside Turning Radius	12'-1" (3.68 m)	
C	Minimum Mine Tunnel Width	11'-1" (3.36 m)	10'-9" (3.29 m)

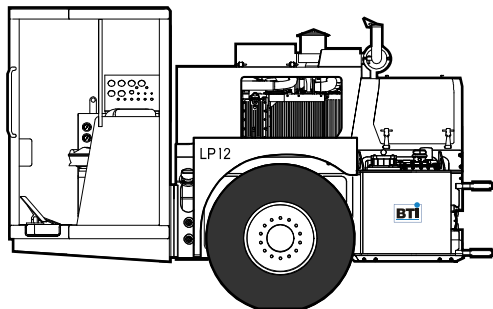


Recommended Drift Height

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

POWERTRAIN GROUP OPTIONS

- Standard ▲ Optional



- **Engine:** Deutz BF4M1013C, four cylinder, turbocharged, intercooled diesel, MSHA Tier II, 122 hp (91 kW) @ 2300 rpm c/w fuel filter and water separator

Torque Converter: Clark T20000 series

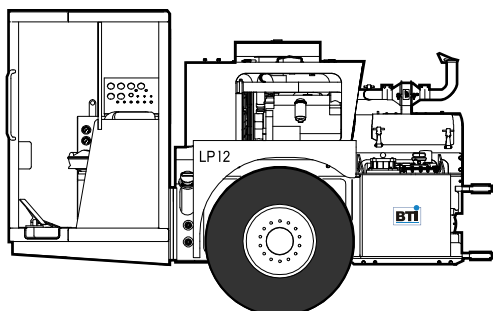
Transmission: Clark 20,000 series, long drop, remote mounted, electric shift
Three forward and three reverse speeds

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

Engine end axle: New Holland D65X no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes, complete with external walking beam, +/- 10 degrees oscillation

Deck end axle: New Holland D65X no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes

Drivelines: Mechanics 6C



- ▲ **Engine:** Caterpillar C4.4 ACERT electronic four cylinder, turbocharged, intercooled diesel, Tier III, 127 hp (95 kW) @ 2200 rpm c/w fuel filter and water separator.

Torque Converter: Clark T20000 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: 2.4 mph (3.9 kph) - 2nd gear: 6.2 mph (10.9 kph) - 3rd gear: 11.4 mph (18.3 kph)

Engine end axle: New Holland D65X no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes, complete with external walking beam, +/- 10 degrees oscillation

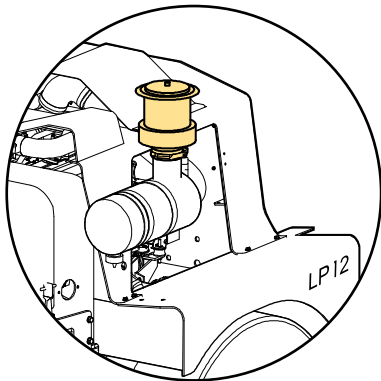
Deck end axle: New Holland D65X no spin differential wet disk SAHR emergency brakes, wet disk HASR service brakes

Drivelines: Mechanics 6C

AIR INTAKE SYSTEM OPTIONS

● Air Intake Filter

A dry element filter with safety element and replacement indicator.



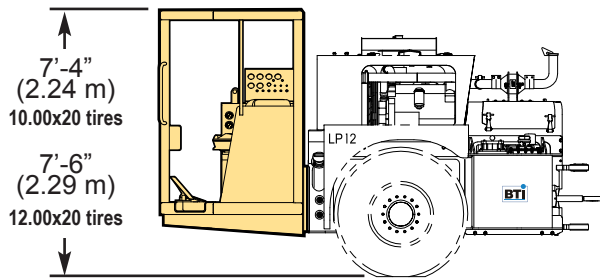
▲ Air Intake Precleaner

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.

PROTECTIVE STRUCTURES OPTIONS

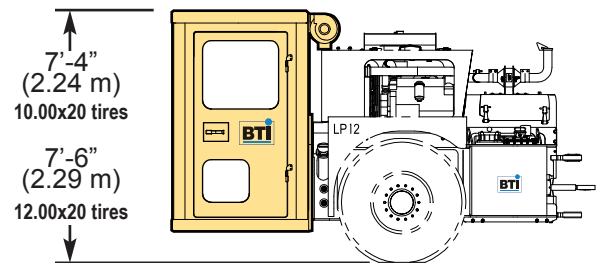
- Standard
- ▲ Optional



● Open Air Canopy – Uncertified

▲ ROPS/FOPS Canopy

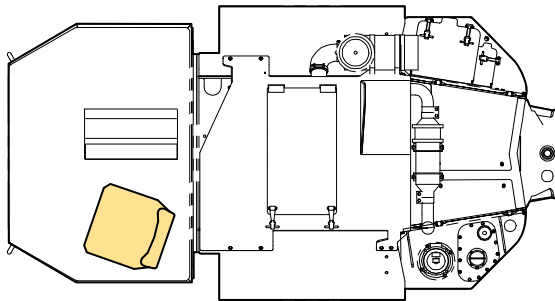
Open air canopy ROPS/FOPS certified



▲ ROPS/FOPS Cab

Full cab; covers operator, controls and passenger. Tested and certified ROPS/FOPS cab. Includes heavy-duty safety glass, wiper/washers, HVAC heat / air conditioning system, air pressurization system.

OPERATOR SEAT OPTIONS



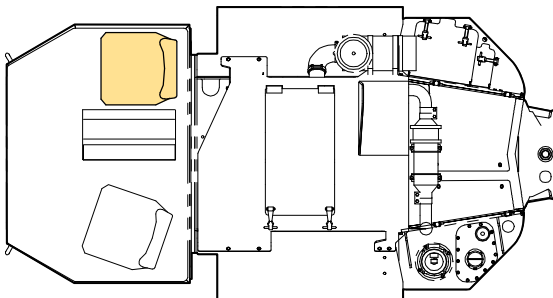
Operator Seat Options

- 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)

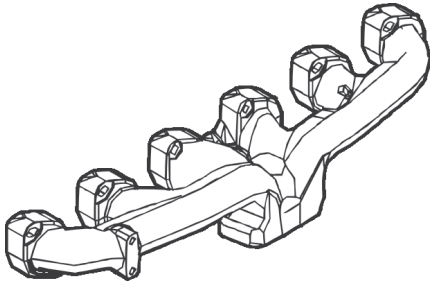
Mine duty passenger seat option available in fixed suspension and fixed air ride variations.

EXHAUST SYSTEM OPTIONS

● Standard ▲ Optional

● Catalytic Exhaust

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

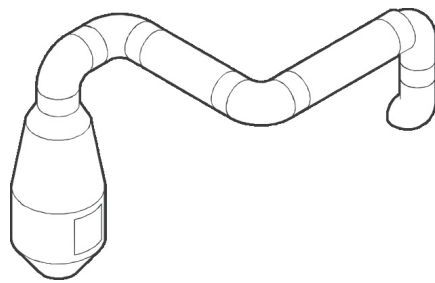


▲ Exhaust Manifold and Turbo Coating

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.

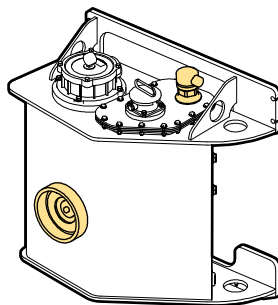
Non-flammable. Protects personnel from burns.

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

HYDRAULIC TANK OPTIONS

● Hydraulic Tank

30 gallon (114 liter) hydraulic tank, top fill, 4 psi pressurized cap.

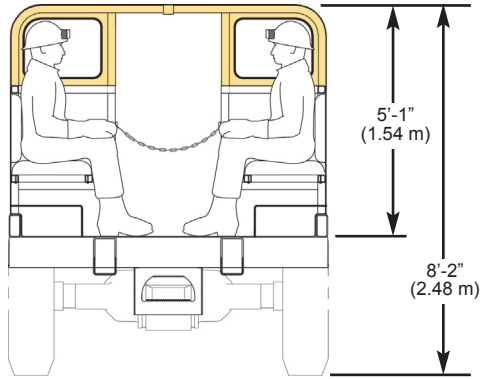


▲ Hydraulic Tank with Fast Fill

30 gallon (114 liter) hydraulic tank complete with fast filling system. Designed for on-site fast fluid transfer.

CANOPY OPTIONS

- Standard
- ▲ Optional

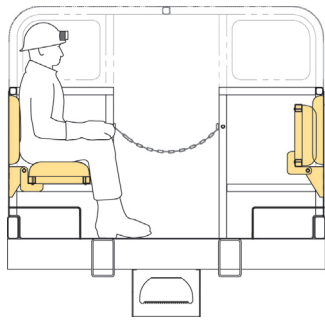


● No Canopy

▲ Canopy

Bolt-on Personnel Canopy
Tubular construction for overhead protection

FOLDABLE SEATING OPTIONS

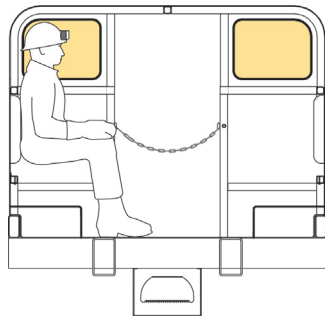


● No Foldable Seating Option

▲ Foldable Seating Option

Foldable seating option allows for extra cargo space

PLEXIGLASS WINDOW OPTIONS

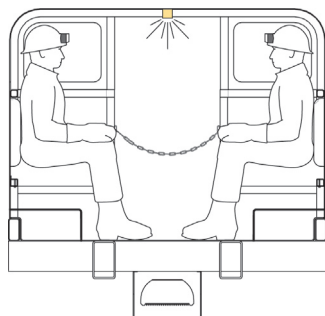


● No Plexiglass Windows

▲ Plexiglass Windows

Personnel canopy fitted with shock-absorbing plexiglass windows to protect personnel from elements outside the carrying area. Only available with Canopy Option.

INTERIOR LIGHTING OPTIONS



● No Interior Lighting

▲ Interior Lighting

Interior lighting for personnel carrying area.
2 x Halogen lamps – 24V, 70 watt.
Only available with canopy Option.

TIRE OPTIONS

● Standard ▲ Optional

● Pneumatic Tires

12:00 x 20; 20 ply mine lug pneumatic tires

▲ Solid Tires

12:00 x 20 solid tires

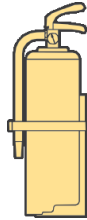
▲ Foam Filled Tires

12:00 x 20 foam filled tires

▲ Solid Tires

10:00 x 20 solid tires

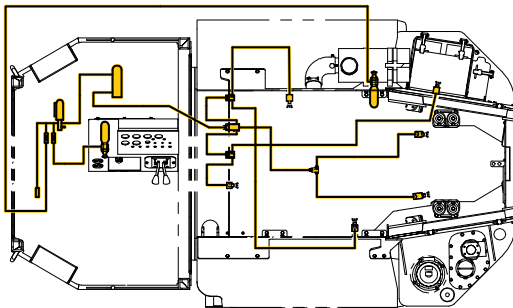
FIRE SUPPRESSION SYSTEM OPTIONS



● No Fire Suppression System

▲ Fire Extinguisher

1 x 20 lb (9 kg) fire extinguisher.



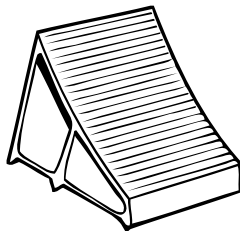
▲ Ansul Fire Suppression

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

WHEEL CHOCK OPTIONS



● No Wheel Chocks

▲ Wheel Chocks - aluminum

complete with holder



10464-ENG-1009

All dimensions and specifications are subject to change without notice.