

LHS0454 Commercial trailer mounted

1. Description

The superior technology behind the LHS0454 Commercial trailer mounted hydroseeder is the result of more than 10 years of extensive Lead Equipment research and HydroSeeder manufacturing. Many customers have provided valuable input that shaped the final product. Today, the LHS0454 HydroSeeder offers the ultimate in performance features and operator conveniences that are exactly what you'd expect from the industry leader in hydroseeding quality and innovation.

The LHS0454 Commercial trailer mounted hydroseeder is an ideal machine for those who need to spray difficult materials and heavy slurries. It is a unit that combines the best features of both jet and mechanical hydroseeders. The aggressive paddle agitation allows you to load full bales without the need to break them up and allows quick mixing of thick slurries of hydroseeding material.

The LHS0454 Commercial trailer mounted hydroseeder has an engine design and a 72 HP Cummins diesel engine. It boasts a powerful centrifugal slurry pump, driven by an in-line common shaft clutch with no high-cost maintenance couplings, drive belts, or hydraulic components. This configuration dramatically increases output and operating pressure. Outstanding output, piping, and pressure capabilities of the pump result in spray distances of up to 164 feet from the tower gun.

The LHS0454 Commercial trailer mounted hydroseeder also features a heavy-duty agitator driven by a variable-speed, reversible hydraulic motor. The agitator and pump are independently driven, allowing complete mixing of the slurry without pump operation. This significantly enhances mechanical longevity and flexibility during operation.

A uniform mix is of vital importance and the LHS0454 HydroSeeder delivers. The sleek design of the tank provides a smooth slurry flow pattern from the beginning to the end of the load.

As a for over 10 number in the design and manufacture of innovative, quality equipment for the green industry, Lead Equipment is committed to your complete satisfaction.

2. Features



- ◆ Steel tank
 - Only as a carrier for fluid; fast clean up
 - The sleek design of the tank provides a smooth slurry flow pattern
- ◆ Power unit
 - Cummins 72 hp diesel engine with electric start
 - Pneumatic clutch controls the action of the centrifugal slurry pump
 - Provides power to the hydraulic system
- ◆ Agitator (reliable and more uniform)
 - A heavy-duty agitator driven by a variable speed, reversible hydraulic motor.
 - Paddles are supported completely by a heavy steel frame and put stress on the tank.
 - Paddle agitation quickly mixes a load of materials

◆ 4" X 2" centrifugal slurry pump

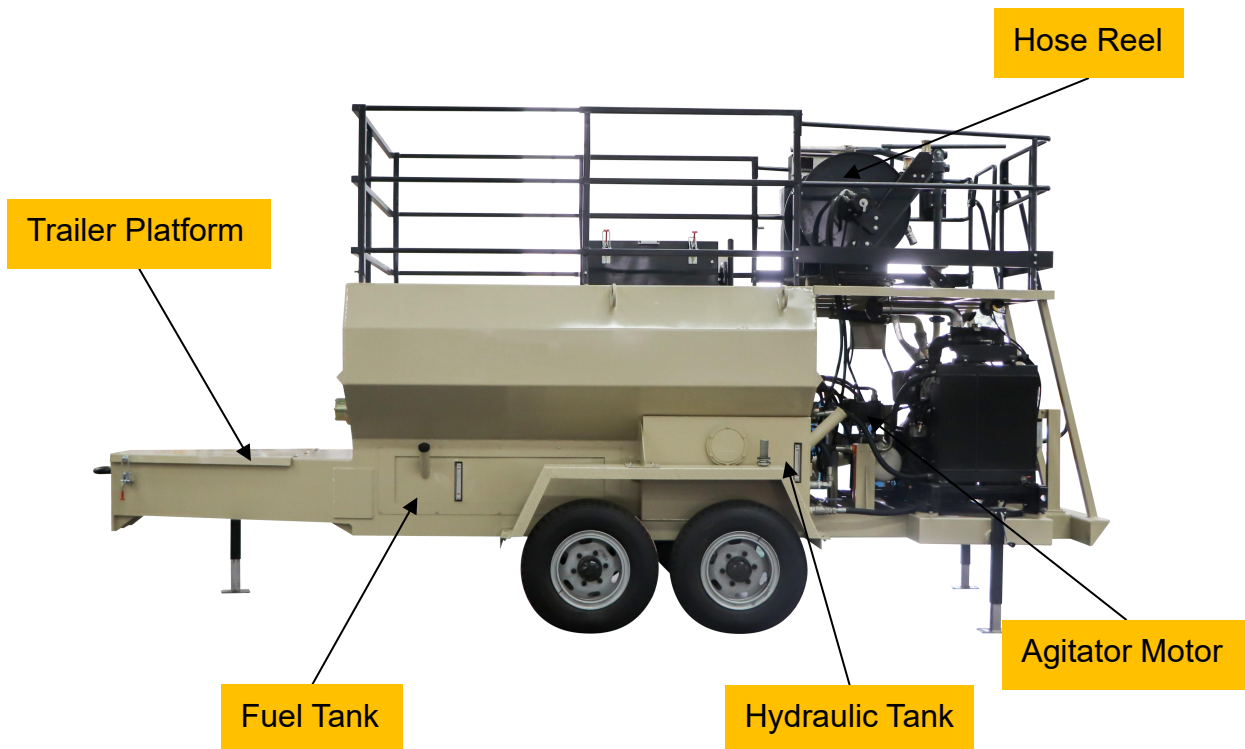
Pneumatic clutch-controlled centrifugal pump

Outlet 3 pipelines: discharge boom, self circulation, DN32 hose reel

Fully mixed materials by self circulation system

Long injection distance, high efficiency and high factor of safety

Easy and convenient maintenance and replacement of vulnerable parts



◆ Hose reel

The winding capacity of the hose reel is 50m

Jets equipped with a quick coupler for easy service in the unlikely event of a problem.



◆ Trailer

For ease of use, the large loading hatch is located at the front of the unit

The independent torsion suspension axles

Heavy duty truck wheels with standard highway-rated tires provide solid stability on uneven terrain

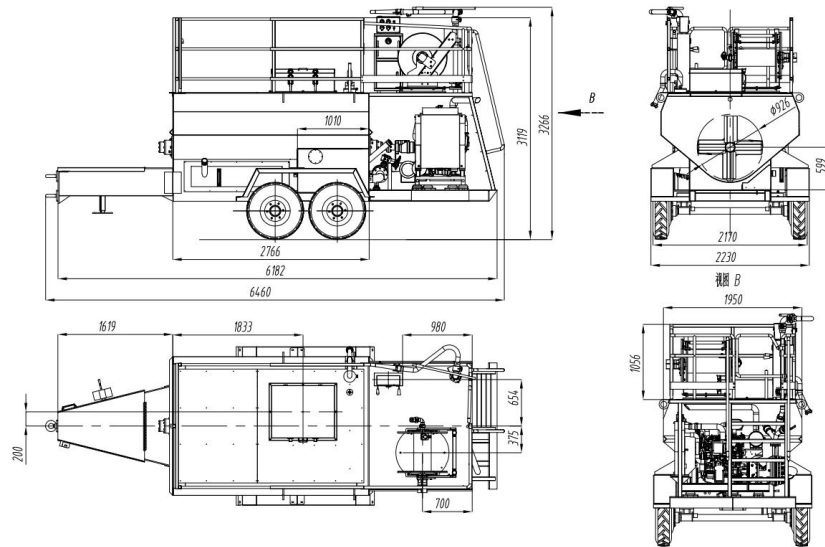
◆ Control system (safe and easy to operate)

Hydraulic control system

Electrical control system

Local control mode and remote control mode

3. Technology Sheet



LHS0454 TECHNICAL SPECIFICATIONS

Power	Diesel Cummins, 72HP(54Kw)@2400r/min)
Engine Safety System	Low oil pressure, high temperature shutoff
Tank Size	1240 gal (4,693 L) liquid capacity 1055 gal (3,993 L) working capacity
Fuel Tank Capacity	26.42 gal (100 L)
Pump Centrifugal	4 in. x 2 in. (100 mm x 50 mm)
Pump Drive	Direct drive with over center clutch; Pump drive is independent of agitator operation
Agitation	Mechanical paddle agitation and liquid recirculation
Agitator Drive	Reversible, variable speed hydraulic motor drive
Discharge Distance	Up to 164 feet (50m) from end of discharge boom
Nozzles	Narrow fan(1) , Wide fan(1) , Long distance(2)
Empty Weight①	9,567 lbs. (4,340 kg)
Working Weight①	21,272 lbs. (9,650 kg)
Note: ①Loads per acre based on an application rate of 1500 lbs. mulch/acre ①Working weights are approximate and do not include options or stored materials. Working weights assume maximum tank liquid capacity and maximum granular solids material capacity.	

4. Machine Pictures Gallery





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