



**Dry Systems
Technologies**

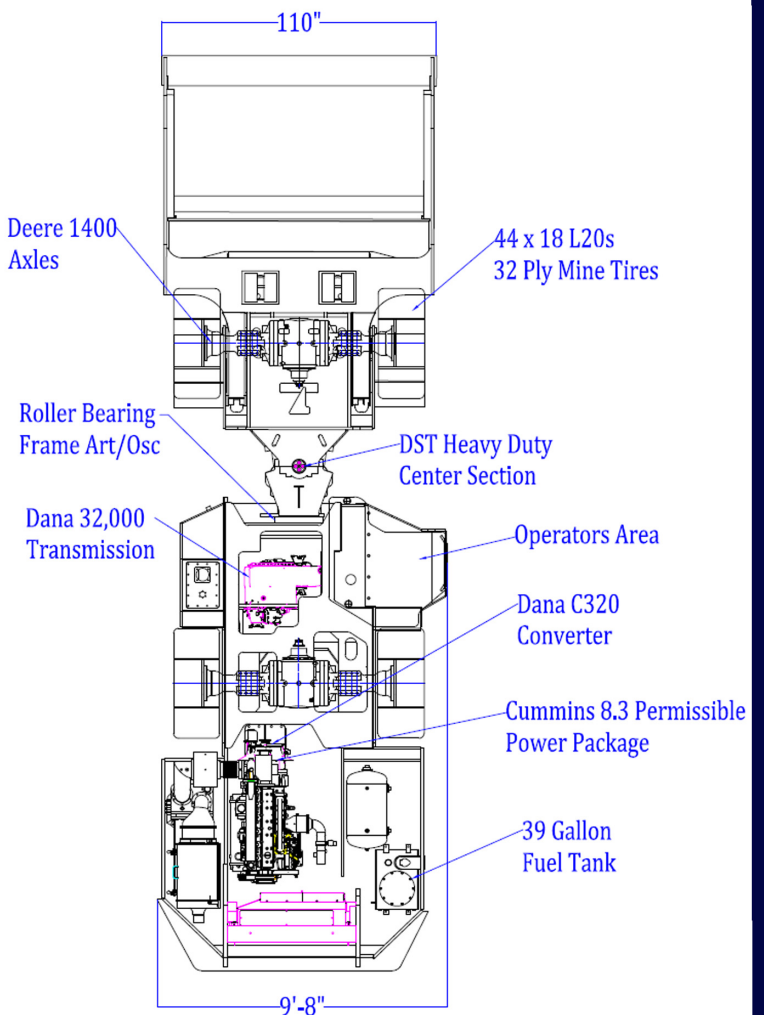
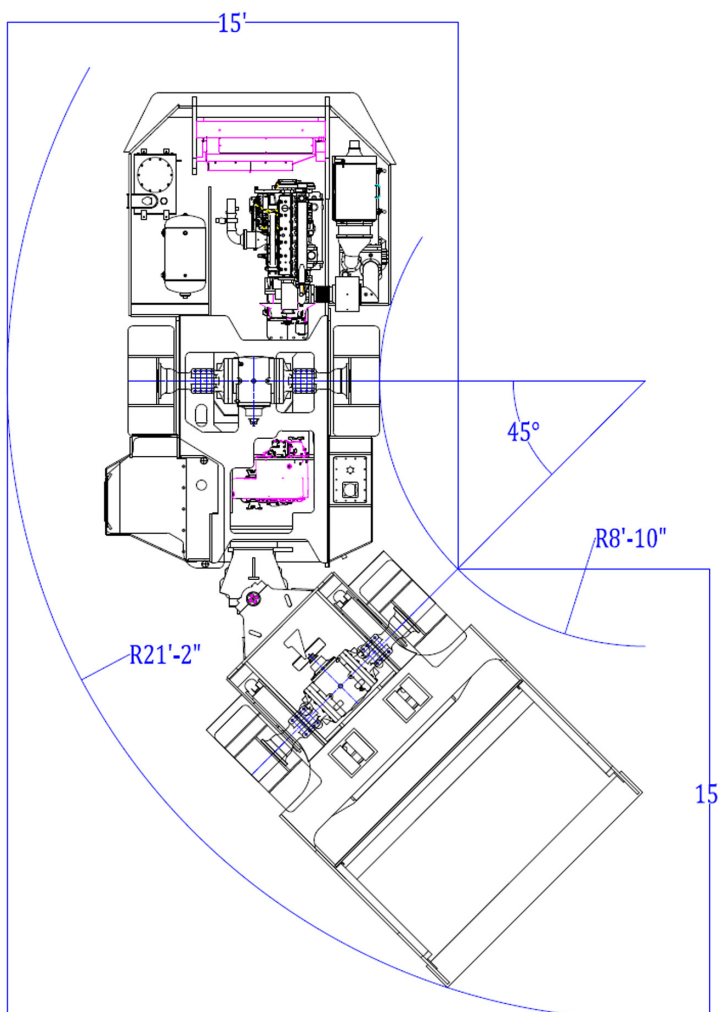
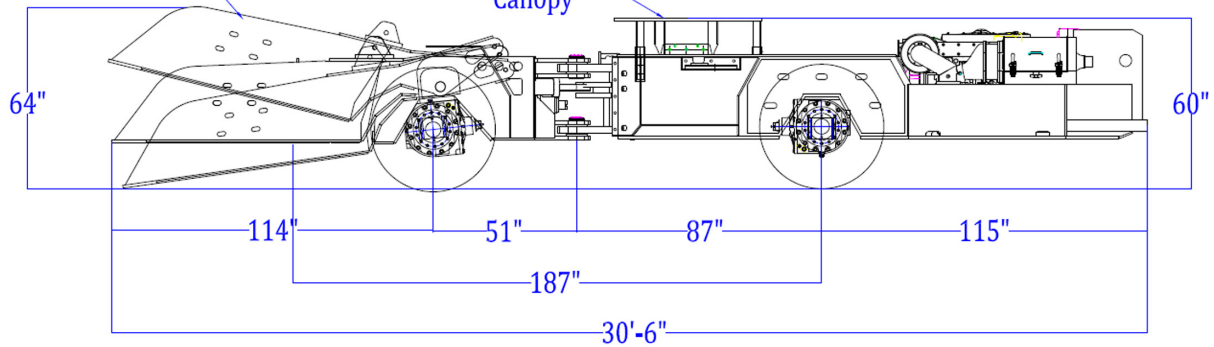
Technical Specifications and Performance Data

5 Ton Capacity Permissible Diesel Scoop

DST L5S

5 Cubic Yard
EOD Bucket

MSHA Certified
Adjustable Height
Canopy



Basic Specifications:

The DST L5S Diesel Scoop, developed and produced by Dry Systems Technologies, is designed to be a low-maintenance, productive machine for all mining operations.

Main Dimensions

Height:	60" to 66"
Width:	116"
Width of EOD bucket	110"
Total Length:	30'6" w/bucket
Weight	46,940 lbs w/bucket

Turning Radii

Inner	8' 10"
Outer	21' 2"
Turning angle	45 degrees

Oscillation

Swivel Box Rotation	16 degrees
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Weights

Total operating weight	46,940 lbs
Total loaded weight	56,940 lbs

Capacities

Tramming capacity	10,000 lbs
Standard bucket	5 cu yds

Driving Speeds Forward and Reverse (Loaded)

1st gear	2 mph
2nd gear	4 mph
3rd gear	7 mph
4th gear	12 mph

Approvals and Ratings:

MSHA FLP Powerpack approval number	07-FAO50001
MSHA machine approval number	36-CA150005
MSHA ventilation rate	10,000 CFM

The DST L5S Permissible Diesel Scoop meets MSHA standards for permissible equipment.

Power Train:

Engine

Diesel Engine	Cummins C8.3
Output	185 HP @ 2200 rpm
Number of cylinders	In line, 6
Electric system	12 VDC
Exhaust system	DST [®] dry scrubber
Fuel tank capacity	39 gal
Starter	Air powered

Converter

Dana C320

Transmission

Dana R32000	4-speed forward and reverse with powershift
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Axles

Front axle	Deere 1400 series
Rear axle	Deere 1400 series

Standard Brakes

Fully-enclosed multiple wet disc, pressure-applied service, spring applied pressure release wet disc, driveline mounted parking brake

Main Components

Pressure accumulator	Piston type with charging valve
Brake pedal valve	Pressure applied

Tires

Tire Size	44 x 18, 32 PLY
Type	L-20

Systems:

Hydraulic System

The center-articulated steering system of the L5S is an open center system with a gear pump and two double acting steer cylinders actuated by a pilot operated control lever. The bucket is also open center with a gear pump, two lift cylinders and two eject cylinders actuated by pilot operated control levers.

Main Components

Steer pump

Bucket pump

Control valves

Steering cylinders

Lift cylinders

Eject cylinder

Hydraulic oil tank

Gear pump

Gear pump

Pilot operated

5" bore

7" bore

6", 5", 4" bore

57 gal

Electrical System

Main Components

Alternator

12 VDC, 300 W

Driving and working lights

2 front, 2 rear, LED



In the Package:

Additional Standard Equipment

- MSHA certified 60"-66" canopy
- Automatic (Checkfire II) fire suppression system, Ansul
- Hand held, 10-A: 120-B:C fire extinguisher – 20 lb.

Optional Add-ons

- Spare tire and wheel assembly
- Hydraulic PTO
- Pintle hitch

Additional options available upon request.

The DST® Difference:

The DST L5S comes outfitted with the state-of-the-art dry scrubber system that gives Dry Systems Technologies its name. This patented technology, the most reliable on the market, provides for unsurpassed diesel pollution reduction, allowing this machine to meet MSHA standards while protecting the health and safety of all your mine employees.

DST® Systems provide:

- » 99% Carbon soot reduction
- » 99% Sulfate reduction
- » 90% CO reduction
- » 85% HC reduction
- » 96+% overall DPM reduction



**Dry Systems®
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**Dry Systems[®]
Technologies**

technology for a cleaner environment.

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Dry Systems Technologies (DST[®]) is a world leader in the design, manufacture and installation of diesel emissions control systems used for mining and construction equipment. Our products are the result of more than 20 years of progressive and innovative design, testing and improvement, allowing us to offer the most efficient and reliable system on the market for reducing diesel engine emissions.

DST[®] is a leading supplier of Diesel Power Packages and Emissions Control Solutions for both new (O.E.M.) and rebuilt machinery in the mining and construction Industries. Our products are available for both permissible (flame-proof) and non-permissible applications. Our systems can be used in a wide variety of machinery and are often custom-designed to meet the unique requirements of our valued customers.

Expanding on our extensive history and experience with diesel equipment, we are proud to offer the DST[®] L5S 5 Ton Capacity Permissible Diesel Scoop, a large capacity model in our full line of Mining Scoops. We are confident that we have engineered a durable, innovative machine that will serve your mining operations well for years to come.