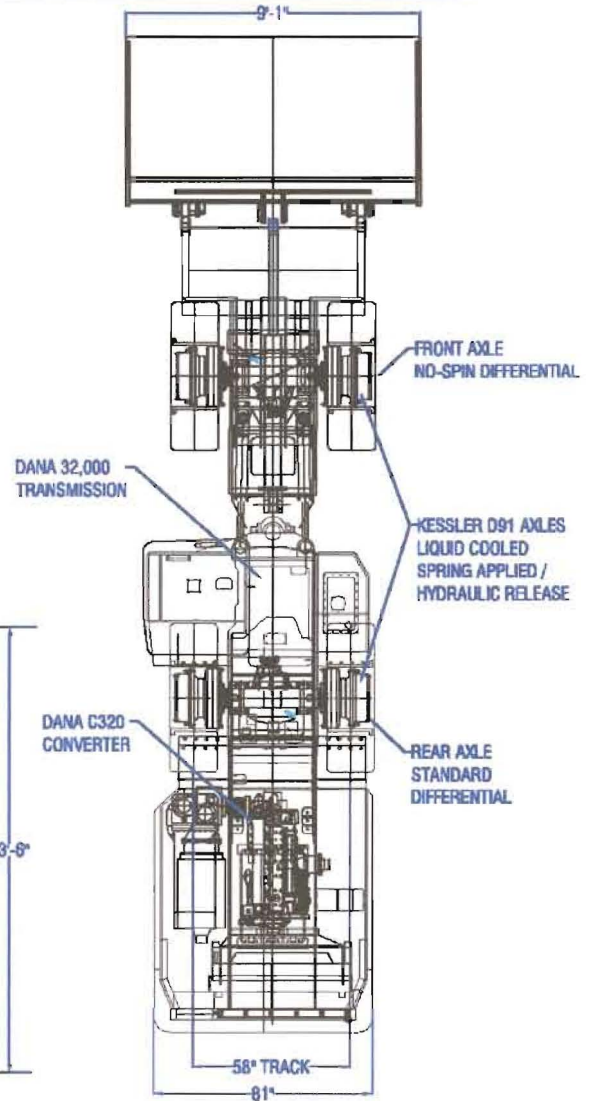
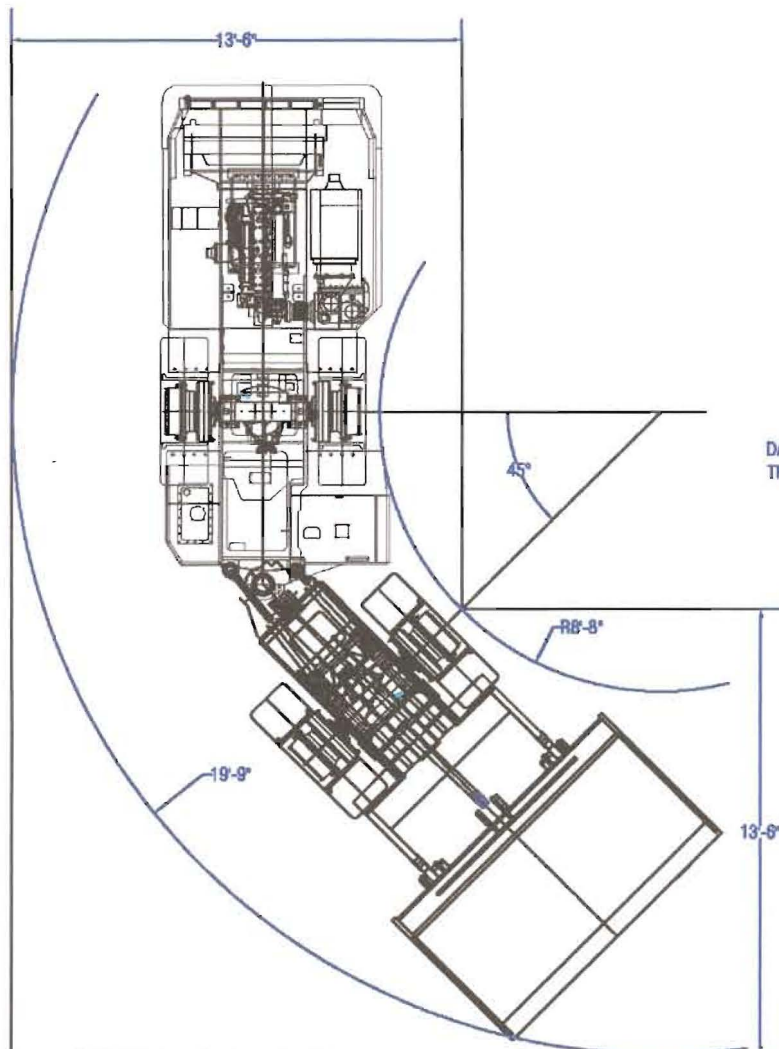
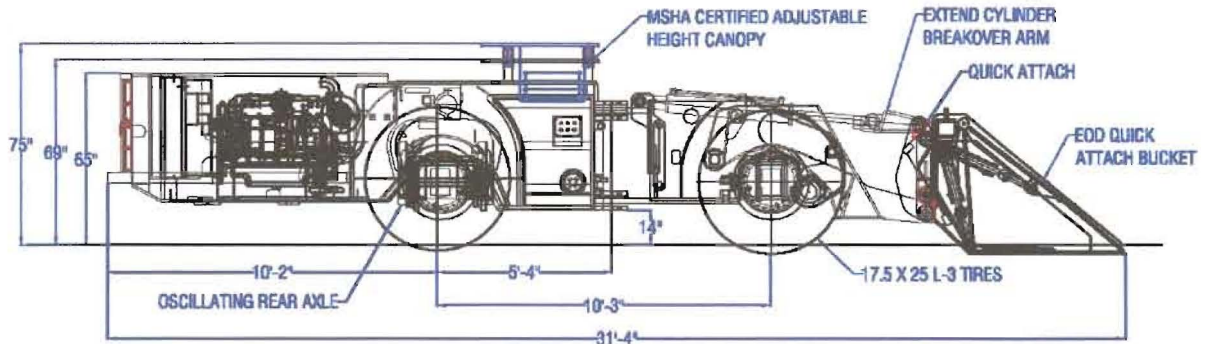


DST 35-S

6.5 Ton Capacity Permissible Diesel Coal Scoop



Basic Specifications:

The DST 35-S 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:	69" to 75"
Width:	84"
Width w/EOD bucket	109"
Total Length:	30'5" w/bucket
Weight	51,640 lbs w/bucket

Turning Radii

Inner	8' 8"
Outer	19' 9"
Turning angle	45 degrees

Weights

Total operating weight	51,640 lbs
Total loaded weight	64,840 lbs

Capacities

Tramming capacity	13,200 lbs
Break out force (lift)	13,500 lbs
Break out force (tilt)	22,200 lbs
Standard bucket	3.5 cu yds

Bucket Motion Times

Raising time	5.9 sec
Lowering time	3.6 sec
Bucket dump time	5.4 sec
Bucket Rollback	4.3 sec

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-FA050001
MSHA machine approval number	36-CA100005
MSHA ventilation rate	13,500 CFM

The DST 35-S Permissible Diesel Coal Scoop meets MSHA standards for permissible equipment. However, a non-permissible model of the scoop is also available upon request.

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	Kessler D91, no-spin differential, fixed
Rear axle	Kessler D91, std. differential, oscillating +/- 6°

Standard Brakes

Fully-enclosed multiple wet disc, spring-applied pressure release service, oil-cooled, parking & emergency

Main Components

Pressure accumulator	Piston type with charging valve
Brake pedal valve	Reverse modulated

Tires

Tire Size	17.5 x 25, 20 PLY
Type	Lug L-3

Systems:

Hydraulic System

The center-articulated steering system of the 35-S is an open center system with a gear pump and two double acting steer cylinders actuated by a pilot operated control lever. The bucket/boom system is also open center with a gear pump, two lift cylinders and one dump cylinder actuated by pilot operated control levers.

Main Components

Steer pump
Bucket/boom pump
Control valves
Steering cylinders
Lift cylinders
Dump cylinder
Hydraulic oil tank

Electrical System

Main Components

Alternator 12 VDC, 300 W
Driving and working lights 2 front, 2 rear, LED



Gear pump (28 gpm @ 2000 rpm)
Gear pump (28 gpm @ 2000 rpm)
Pilot operated
3.5" bore x 2" rod
6" bore x 2.5" rod
6" bore x 3" rod
80 gal

In the Package:

Additional Standard Equipment

- MSHA certified 69"-75" canopy
- Automatic (Checkfire II) fire suppression system, Ansul
- Hand held, 10-A: 120-B:C fire extinguisher - 20 lb.

Optional Add-ons

- Quick attach assembly for standard bucket
- Quick change pallet fork assembly
- Spare tire and wheel assembly
- Hydraulic PTO
- Pintle hitch

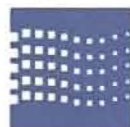
Additional options available upon request.

The DST® Difference:

The DST 35-S 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.

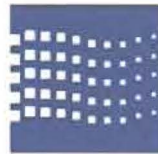
DST® Systems provide:

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



**Dry Systems®
Technologies**

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Woodridge, IL 60517
(630) - 427 - 2051



**Dry Systems[®]
Technologies**

technology for a cleaner environment.

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www.drssystemstech.com

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[®] 35-S 6.5 Ton Capacity Permissible Diesel Coal 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.