



RAILAVATOR® **High Rail Excavator**

RCE Announces the RAILAVATOR

The Tool you need to solve your railroad maintenance requirements

Whether its Pulling rail, Cutting brush, Craning items, Under Cutting, Tamping ties, Replacing ties, or just digging and trenching the RAILAVATOR will get the job done.

With its patented Hydraulic powered retractable high rail you take it anywhere you need it On or Off track.

Using the proven reliability and the latest technology that is provided in a John Deere Excavator, and combining it with a hydraulic driven retractable High Rail. The railavator can work where others can't.

RCE has developed this new addition to its modern approach of railroad ballast under cutting and rail maintenance programs, which provides the ability to travel into areas that where difficult to reach in the past.



Like its sister tractor the 200D under cutter, the railavator has ability to clean the mud from within the track without long set up times, lower operating the costs, lower maintenance costs and now can also provide the means to complete a wide range of other track maintenance issues anywhere along your system, and its a product that has the world wide support of the John Deere dealer network.

Available Attachments



Tie Head



Tamper Head



Under Cutter Head



Brush Cutter Head

Along with other attachment that can fit on an excavator.

For more information contact:
Rail Construction Equipment Co.
1901 Harrison Ave.
Rockford, IL 61104
PH. 866-472-4570 Fax. 815-387-1022

Additional Component information

- A 159 horsepower 22.5 metric ton (54,000 lb) Deere Model 225D LC excavator is modified with a special hydraulic valve package to operate the High Rail and attachments.
- Bucket Coupler is added for easy changing of attachments.
- Controls that are easy to reach and easy to move for boom and arm functions lever efforts have been reduced up to 10%
- Hydraulic powered under cutter head with tilt, pitch, and rotation for ballast cleanout is added, providing cutting rates up to 2 foot per minute. Depending on tack conditions.
- John Deere Drive axles powering the High Rail Wheels.

Preliminary

SPECIFICATIONS:

Engine 225D LC

Manufacturer and Model	Isuzu AI-4HK1XYSA-02 certified to EPA Tier 3 emissions 159 horsepower, 4 Cylinder 325 cu. in. turbocharged Diesel Engine
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Powertrain

Two-speed propel with automatic shift - Travel Speed on Crawler Tracks(maximum)	
Low	2.2 mph
High	3.4 mph
Travel Speed on High Rail(maximum)	20.4 mph

Hydraulics

Type	Open center, load sensing; auxiliary hydraulic flow adjustable through monitor
Main Pumps	2 variable-displacement axial-piston pumps. . 2 x 56.0 gpm
Operating Pressure	4,980 psi
Controls	pilot levers, short stroke, low effort; hydraulic pilot controls with shutoff lever

Swing Mechanism 225D LC

Swing Speed & Torque.	13.3 rpm & 62.850 lbs
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Refill Capacities

Fuel Tank	85 gal.
Hydraulic System	60.8 gal.

Operating Dimensions & Weights

Break out Force	Arm 27,877 lb. -- Bucket Digging	29,099 lb
Lifting Capacity Over Front at Ground Level .	14,533 lb.	
Maximum Reach	31 ft. 3 in.	-- Reach at Ground Level 30 ft. 7 in.
Maximum Digging Depth	20 ft. 5 in.	
Maximum Cutting Height	34 ft. 8 in.	
Maximum Dumping Height	25 ft. 1 in.	
Minimum Swing Radius	9 ft. 0 in.	-- Tail Swing Radius 5 ft. 6 in.

Machine Dimensions 225D LC

Overall Length	32 ft. 0 in.
Overall Height	10 ft. 6 in.
Cab Height	9 ft. 8 in.
Overall Width with Triple Semi-Grouser Shoes:	10 ft. 6 in
Upperstructure Width	9 ft. 5 in.
Ground Clearance	18 in
Counterweight Clearance	3 ft. 2 in
RAILKAVATOR Operating Weight . . .	62,380 lb.

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