



Cat[®] 7395

ELECTRIC ROPE SHOVEL

Specifications

Dimensions

Dipper payload	64 tonnes	70 tons
Dipper capacity	20.6-55.8 m ³	27-73 yd ³

- Dependent on application and material density.

Weights*

Working weight, with dipper and standard links	1 202 927 kg	2,652,000 lb
Ballast (furnished by customer)	260 362 kg	574,000 lb

- These weights will vary slightly depending upon dipper and optional equipment selection.

*All specifications are based on a 24 m³ (32 yd³) dipper and standard 213.4 cm (84 in) treads.

Main Structures

Upper works overall width (including standard walkways)	13.5 m	44 ft 3 in
---	--------	------------

Crawler Dimensions

Overall width 213.4 cm (84 in) treads, standard	10 m	32 ft 9 in
Overall width 274.3 cm (108 in) treads	10.6 m	34 ft 9 in

Ground Bearing Pressure

Total effective bearing area	32 m ²	343 ft ²
213.4 cm treads (84 in), standard	371 kPa	54 psi
Total effective bearing area	41 m ²	442 ft ²
274.3 cm treads (108 in)	296 kPa	43 psi

- Ground bearing pressure is dependent upon many factors.

Planetary Propel

- Dual-motor independent drive.

Main Structures (cont'd)

Swing

- Two planetary gearboxes, each driven by a vertically mounted motor, are located on either side of the revolving frame. Dual-output pinion shafts from each gearbox engage the swing rack.

Hoist

- A planetary gearbox with dual-output pinions provides the hoist torque transfer from the electric motor to the hoist drum gear.

Lube System

- Automatic, single-line system for open gear lubricant and grease.
- 6 pumps (4 for open gear lubricant and 2 for grease) located in an insulated, heated, double-walled lube room.
- External fast fill from lower level.

Electrical

Drive

- IGBT Acutrol drive system.

Power Requirements

Voltage	3 phase, 50/60 Hz, 7,200V
50 Hz	6,000V, 6,600V, 7,200V, 11,000V
60 Hz	7,200V
Average power demand	777-1087 kW
Peak power	3106 kW

- Other voltages available to suit customer requirements.

7395 Electric Rope Shovel

Front End

- One piece, forged, seamless tubular dipper handle and wide-spread boom point sheaves equipped with hoist ropes and dipper padlocks to stabilize dipper handle.

Rope Data

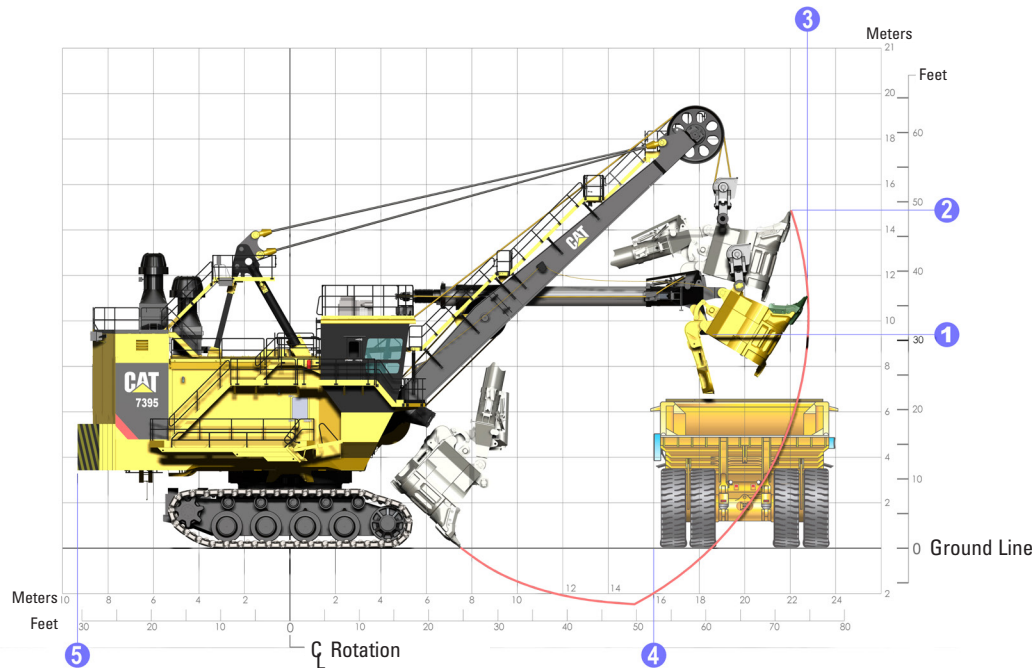
	No.	Diameter
Hoist	2	70 mm (2.75 in)
Crowd	1	64 mm (2.5 in)
Retract	1	64 mm (2.5 in)
Boom susp.	4	83 mm (3.25 in)
Dipper trip	1	16 mm (0.625 in)

- High impact ropes available as an option

Front End (cont'd)

Crowd

- Rope Crowd: the crowd machinery is located at the front center of the revolving frame; consisting of a motor, brake, drum and gearing. Plastic-impregnated crowd and retract ropes are used to move the dipper handle fore and aft.



Optimal Working Ranges*

1 Dumping height – with clearance to open dipper door	9.4 m	30 ft 10 in
2 Cutting height (maximum)	14.9 m	48 ft 9 in
3 Cutting radius (maximum)	22.8 m	74 ft 9 in
4 Radius of level floor	16.0 m	52 ft 4 in
5 Revolving frame tail swing radius	9.3 m	30 ft 8 in

Optimal working ranges based on loading a Cat® 793F truck.

*All specifications are based on a 24 m³ (32 yd³) dipper and standard 213.4 cm (84 in) treads.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2016 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, “Caterpillar Yellow” and the “Power Edge” trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ6515-02 (03-2016)
Replaces AEHQ6515-01

