



Cat[®] 7495 with Rope Crowd

ELECTRIC ROPE SHOVEL

Specifications

Dimensions

Dipper payload (Available dipper payloads up to 109 tonnes [120 tons] when specified)	109 tonnes	120 tons
Dipper capacity	30.6-62.7 m ³	40-82 yd ³

- Dependent on application and material density.

Weights*

Working weight, with dipper and standard links	1 386 178 kg	3,056,000 lb
Ballast (furnished by customer)	302 614 kg	667,150 lb

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

* All specifications are based on a 56 m³ (73 yd³) dipper and standard 200.7 cm (79 in) treads.

Main Structures

Upper works overall width (including standard walkways)	12.8 m	41 ft 11 in
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Crawler Dimensions

Overall width 200.7 cm (79 in) treads, standard	11 m	36 ft
Overall width 259.1 cm (102 in) treads	11.6 m	38 ft

Ground Bearing Pressure

Total effective bearing area 200.7 cm (79 in) treads, standard	36 m ²	386 ft ²
	380 kPa	55 psi
Total effective bearing area 259.1 cm (102 in) treads	47 m ²	501 ft ²
	297 kPa	43 psi

- Ground bearing pressure is dependent upon many factors.

Planetary Propel

- Dual-motor independent drive.

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.
- Six pumps (four for open gear lubricant and two for grease) located in an insulated, heated, double-walled lube room.
- External FastFil™ 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, 13,800V
Average power demand	934-1308 kW
Peak power	3737 kW

- Other voltage options available to suit customer requirements.

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 suspension	4	83 mm (3.25 in)
Dipper trip	1	19 mm (0.75 in)

- High impact ropes available as an option.

Crowd

- Rope Crowd with the crowd machinery is located at the front center of the revolving frame, consisting of motor, brake, drum and gearing. Plastic-impregnated crowd and retract ropes are used to move the dipper handle fore and aft.
- (Optional) HydraCrowd™, hydraulic power skid, located at the front center of the revolving frame deck, powers a large hydraulic cylinder to move the dipper handle fore and aft.

LET'S DO THE WORK.™

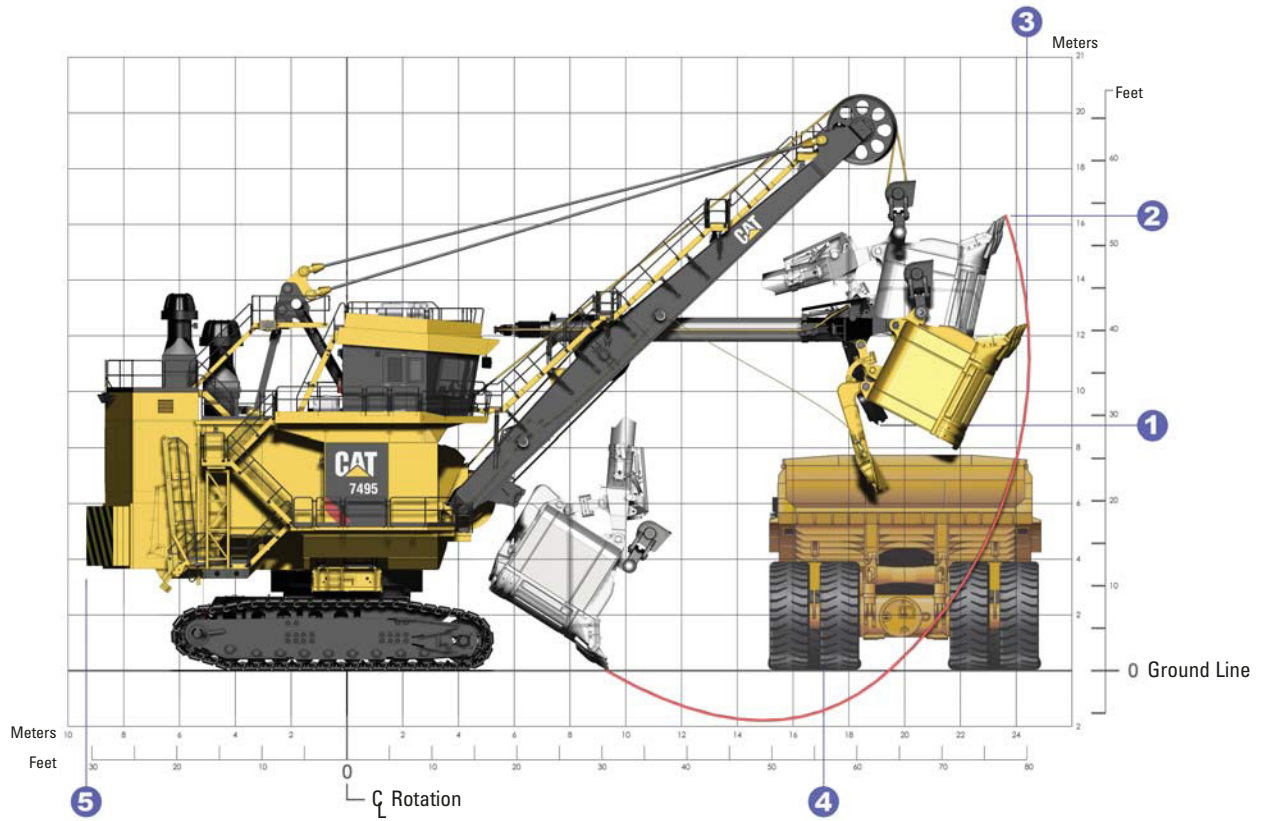
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7495 with Rope Crowd Electric Rope Shovel



Dimensions (All dimensions are approximate.)

Optimal Working Ranges*

1 Dumping height – with clearance to open dipper door	8.8 m	28 ft 11 in
2 Cutting height (maximum)	16.3 m	53 ft 6 in
3 Cutting radius (maximum)	24.4 m	80 ft 0 in
4 Radius of level floor	17.1 m	56 ft 1 in
5 Revolving frame tail swing radius	9.3 m	30 ft 8 in

Optimal working ranges based on loading a Cat 797F truck.

*All specifications are based on a 56 m³ (73 yd³) dipper and standard 200.7 cm (79 in) treads.

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

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

AEHQ6517-02 (05-16)
Replaces AEHQ6517-01

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