

PRODUCT SPECIFICATIONS FOR 7495 WITH HYDRACROWD



Dipper Payload	109 t
Dipper Capacity	30.6-62.7 m ³ (40-82 yd ³)
Dipper Payload (Available Dipper Payloads Up To 109 Tonnes [120 tons] When Specified)	109 t
Note	Dependent on application and material density
Working Weight - With Dipper and Standard Links	1390714 kg
Ballast - Furnished By Customer	302614 kg
Note (1)	These weights will vary slightly depending upon dipper and optional equipment selection
Note (2)	All specifications are based on a 56 m ³ (73 yd ³) dipper and standard 200.7 cm (79 in) crawlers.
Crawler Dimensions - Overall Width 259.1 cm (102 in) Treads	11.6 m
Crawler Dimensions - Overall Width 200.7 cm (79 in) Treads, Standard	11 m
Hoist	A planetary gearbox with dual-output pinions provides the hoist torque transfer from the electric motor to the hoist drum gear.
Ground Bearing Pressure - Note	Ground bearing pressure is dependent upon many factors

Upper Works Overall Width - Including Standard Walkways	12.8 m
Ground Bearing Pressure - Total Effective Bearing Area (259.1 cm/102 in) Treads	46.6 m ² (298 kPa); 501.7 ft ² (43 psi)
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.
Planetary Propel	Dual-motor independent drive
Ground Bearing Pressure - Total Effective Bearing Area (200.7 cm/79 in) Treads - Standard	36 m ² (382 kPa); 386 ft ² (55 psi)
Type	Automatic, single-line system for open gear lubricant and grease
Components (1)	Six pumps (four for open gear lubricant and two for grease) located in an insulated, heated, double-walled lube room
Components (2)	External FastFil from lower level
Power Requirements - Note	Other voltage options available to suit customer requirements
Drive	IGBT Acutrol drive system
Power Requirements - 50 Hz	6,000V, 6,600V, 7,200V, 11,000V
Power Requirements - Average Power Demand	945-1322 kW
Power Requirements - Voltage	3 phase, 50/60 Hz, 7,200V

Power Requirements - 60 Hz 7,200V, 13,800V

System Voltage - Nominal 50/60 Hz, 7,200V

Power Requirements - Peak power 3778 kW

**Rope Data - Boom
Suspension - No.** 4

**Rope Data - Boom
Suspension -
Diameter** 83 mm

Type 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 - Note High impact ropes available as an option

**Rope Data - Dipper
Trip - No.** 1

**Rope Data - Hoist -
No.** 2

**Rope Data - Hoist -
Diameter** 70 mm

**Rope Data - Dipper
Trip - Diameter** 19 mm

Crowd (1) 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.

Crowd (2) (Optional) Rope Crowd, 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.

Dipper Capacities	30.6-62.7 m ³ (40-82 yd ³)
Maximum Dumping Height	8.8 m
Dipper Payload	109 t
Operating Weight	1390714 kg
Cutting Radius - Maximum	24.4 m
Revolving Frame Tail Swing Radius	9.3 m
Cutting Height - Maximum	16.3 m
Radius of Level Floor	17.1 m
Dumping Height - With Clearance to Open Dipper Door	8.8 m
Note (1)	Optimal working ranges based on loading a Cat 795F AC truck.
Note (2)	*All specifications are based on a 56 m ³ (73 yd ³) dipper and standard 200.7 cm (79 in) crawlers.

