

PRODUCT SPECIFICATIONS FOR 7495 HD



DIMENSIONS

Dipper Payload 82 t

Dipper Capacity 27.5-60.4 m³ (36-79 yd³)

Note Dependent on application and material density.

WEIGHTS

Working Weight - With Dipper and Standard Links 1295777 kg

Ballast - Furnished By Customer 260362 kg

Note (1) These weights will vary slightly depending upon dipper and optional equipment selection.

Note (2) All specifications are based on a 32 m³ (42 yd³) dipper and standard 213.4 cm (84 in) treads.

MAIN STRUCTURES

Ground Bearing Pressure Ground bearing pressure is dependent upon many factors.

Ground Bearing Pressure - Total Effective Bearing Area (1) 32 m²

Crawler Dimensions - Overall Width 274.3 cm (108 in) Treads 10.6 m

Ground Bearing Pressure - 213.4 cm (84 in) Treads - Standard 400 kPa

Ground Bearing Pressure - Total Effective Bearing Area (2) 41 m²

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

Crawler Dimensions - Overall Width 213.4 cm (84 in) Treads, Standard 10 m

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.

Ground Bearing Pressure - 274.3 cm (108 in) Treads 316 kPa

Upper Works Overall Width - Including Standard Walkways 13.5 m

Planetary Propel Dual-motor independent drive.

OPTIMAL WORKING RANGES*

Radius of Level Floor 16 m

Dumping Height - With Clearance to Open Dipper Door 9.4 m

Cutting Height - Maximum 14.9 m

Revolving Frame Tail Swing Radius 9.3 m

Cutting Radius - Maximum 22.8 m

Note (1) Optimal working ranges based on loading a Cat® 793F truck.

Note (2) *All specifications are based on a 32 m³ (42 yd³) dipper and standard 213.4 cm (84 in) treads.

LUBE SYSTEM

Type Automatic, single-line system for open gear lubricant and grease.

Components (1) 6 pumps (4 for open gear lubricant and 2 for grease) located in an insulated, heated, double-walled lube room.

Components (2) External fastfill from lower level.

ELECTRICAL

Power Requirements - 60 Hz 7,200V

Power Requirements - 50 Hz 6,000V, 6,600V, 7,200V, 11,000V

Power Requirements - Peak power 3330 kW

Power Requirements - Voltage 3 phase, 50/60 Hz, 7,200V

Power Requirements - Average Power Demand 832-1165 kW (1,116-1,562 hp)

Drive IGBT Acutrol drive system.

Note Other voltage options available to suit customer requirements.

FRONT END

Rope Data - Boom Suspension - Diameter 83 mm

Rope Data - Dipper Trip - Diameter 16 mm

Rope Data - Hoist - No. 2

Rope Data - Note High impact ropes available as an option.

Rope Data - Crowd - Diameter 64 mm

Rope Data - Retract - Diameter 64 mm

**Rope Data - Crowd -
No.** 1

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

Components 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 - Boom
Suspension - No.** 4

**Rope Data - Retract -
No.** 1

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.

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