PRODUCT SPECIFICATIONS FOR 7495 WITH ROPE CROWD

DIMENSIONS

Dipper Payload	109 t
Dipper Capacity	30.6-62.7 m3 (40-82 yd3)
Dipper Payload (Available Dipper Payloads Up To 109 Tonnes [120 tons] When Specified)	109 t
Note	Dependent on application and material density

WEIGHTS

Working Weight - With Dipper and Standard Links	1386178 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 m3 (73 yd3) dipper and standard 200.7 cm (79 in) crawlers.

MAIN STRUCTURES

Upper Works Overall Width - Including Standard Walkways	12.8 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.
Planetary Propel	Dual-motor independent drive
Ground Bearing Pressure - Total Effective Bearing Area (200.7 cm) Treads	36 m2 (380 kPa); 386 ft2 (55 psi)

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.
Crawler Dimensions - Overall Width 259.1 cm (102 in) Treads	11.6 m
Ground Bearing Pressure - Note	Ground bearing pressure is dependent upon many factors
Ground Bearing Pressure - Total Effective Bearing Area (259.1 cm) Treads	47 m2 (297 kPa); 501 ft2 (43 psi)

LUBE SYSTEM

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

ELECTRICAL

Power Requirements - Voltage	3 phase, 50/60 Hz, 7,200V
Power Requirements - 60 Hz	7,200V, 13,800V
Power Requirements - 50 Hz	6,000V, 6,600V, 7,200V, 11,000V
System Voltage - Nominal	50/60 Hz, 7,200V
Drive	IGBT Acutrol drive system
Power Requirements - Peak power	3737 kW
Power Requirements - Average Power Demand	934-1308 kW

Power Requirements - Note	Other voltage options available to suit customer requirements

FRONT END

Rope Data - Hoist - No.	2
Rope Data - Dipper Trip - No.	1
Rope Data - Crowd - Diameter	64 mm
Rope Data - Crowd - No.	1
Rope Data - Hoist - Diameter	70 mm
Rope Data - Boom Suspension - Diameter	83 mm
Rope Data - Dipper Trip - Diameter	19 mm
Rope Data - Note	High impact ropes available as an option
Rope Data - Boom Suspension - No.	4
Rope Data - Retract - No.	1
Rope Data - Retract - Diameter	64 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.

Crowd (1)	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.
Crowd (2)	(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.

DIMENSIONS - WORKING RANGES

Dipper Capacities	30.6-62.7 m3 (40-82 yd3)
Dipper Payload	109 t
Maximum Dumping Height	8.8 m
Operating Weight	1386178 kg

DIMENSIONS (APPROXIMATE) - OPTIMAL WORKING RANGES*

Radius of Level Floor	17.1 m
Revolving Frame Tail Swing Radius	9.3 m
Cutting Height - Maximum	16.3 m
Cutting Radius - Maximum	24.4 m
Dumping Height - With Clearance to Open Dipper Door	8.8 m
Note (1)	Optimal working ranges based on loading a Cat 797F truck.
Note (2)	*All specifications are based on a 56 m3 (73 yd3) dipper and standard 200.7 cm (79 in) crawlers.