

# PRODUCT SPECIFICATIONS FOR 7295



## DIMENSIONS

**Dipper Payload** 45 t

**Dipper Capacity** 19.1-38.2 m<sup>3</sup> (25-50 yd<sup>3</sup>)

**Note** Dependent on application and material density.

## WEIGHTS

**Working Weight - With Dipper and Standard Links** 793259 kg

**Ballast - Furnished By Customer** 159665 kg

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

**Note (2)** All specifications are based on a 19 m<sup>3</sup> (25 yd<sup>3</sup>) dipper and standard 182.9 cm (72 in) treads.

## MAIN STRUCTURES

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

**Crawler Dimensions - Overall Width** 8.6 cm  
**182.9 cm (72 in) Treads, Standard**

**Ground Bearing Pressure - 182.9 cm (72 in) Treads** 269 cm

**Upper Works Overall Width - Including Standard Walkways** 12.6 cm

**Planetary Propel** Dual-motor independent drive.

**Swing** Parallel shaft gear cases, driven by a vertically mounted motor, are located on either side of the revolving frame.

**Ground Bearing Pressure - Total Effective Bearing Area** 29.3 m<sup>2</sup>

**Hoist** A motor coupled to two gear reductions drives a 137 cm (54 in) hoist drum.

## OPTIMAL WORKING RANGES\*

**Dumping Height - With Clearance to Open Dipper Door** 8.4 m

**Cutting Radius - Maximum** 20.6 m

**Revolving Frame Tail Swing Radius** 7.8 m

**Radius of Level Floor** 14.9 m

**Cutting Height - Maximum** 13.7 m

**Note (1)** Optimal working ranges based on loading a Cat® 785D truck.

**Note (2)** \*All specifications are based on a 19 m<sup>3</sup> (25 yd<sup>3</sup>) dipper and standard 182.9 cm (72 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 fast fill from lower level.

## ELECTRICAL

**Power Requirements - 60 Hz** 4,160V, 7,200V

**Power Requirements - Peak power** 2152 kW

**Drive** IGBT Acutrol drive system.

**Power Requirements - Voltage**

3 phase, 50/60 Hz, 7,200V

**Power Requirements - 50 Hz**

6,000V, 6,600V, 7,200V

**Power Requirements - Average Power Demand**

538-753 kW (721-1,010 hp)

**Note**

Other voltages available to suit customer requirements.

## FRONT END

**Standard Rope Data - Retract - Diameter**

57 mm

**Standard Rope Data - Dipper Trip - Diameter**

16 mm

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

4

**Standard Rope Data - Crowd - No.**

1

**Standard Rope Data - Boom Suspension - 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.

**Standard Rope Data - Retract - No.**

1

**Standard Rope Data - Hoist - Diameter**

60 mm

**Standard Rope Data - Crowd - Diameter**

57 cm

**Standard Rope Data -  
Dipper Trip - 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.

**Standard Rope Data -  
Hoist - No.**

2

**Note**

High impact ropes available as an option