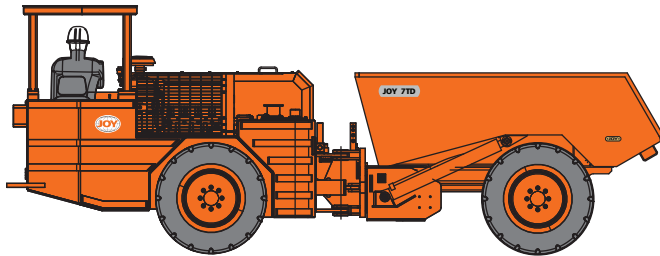




# 7TD Haulage Truck



### Capacities

Standard payload	6,600 kg	14,520 lbs
Standard box	3.3 m <sup>3</sup>	4.29 yd <sup>3</sup>

### Weights

Operating weight	8,120 kg	17,864 lbs
Total loaded weight	14,720 kg	32,384 lbs
Axle weight without load		
Front axle	5,630 kg	12,386 lbs
Rear axle	2,490 kg	5,478 lbs
Axle weight with load		
Front axle	6,940 kg	15,268 lbs
Rear axle	7,780 kg	17,116 lbs

### Driving speeds with lockup loaded

Grade	0%	10%	15%
1st gear	3.4 km/h (2.1 mph)	3.4 km/h (2.1 mph)	3.4 km/h (2.1 mph)
2nd gear	7.7 km/h (4.8 mph)	7.5 km/h (4.7 mph)	7.3 km/h (4.5 mph)
3rd gear	23.0 km/h (14.3 mph)	5.62 km/h (3.5 mph)	
4th gear			

### Box motion times (+/-1 s)

Raising time	8.0 s
Lowering time	6.0 s

### Articulation motion times (+/-1 s)

Turning time: right	2.5 s
Turning time: left	2.4 s

### Powertrain

<b>Engine</b>	Deutz BF4L914
Output	72 kW (96 hp) @2300 rpm

### General

Air filtration	Donaldson (dry type)
Exhaust system	Diesel oxidation catalyzer
Fuel tank capacity	117 litres 31 USG

### Converter

Integral

### Transmission

Dana HR20000 series

Shifting	Powershift c/w modulation
Speeds	3 forward / 3 reverse

### Axles

Front and rear	Dana 113 series
Differentials, front	Open
Differentials, rear	Open
Brakes	Hydraulic apply, inboard disk
Oscillation angle	+/- 10 deg (frame)

### Tires

Radial lugged

Size 9.00 x 20

### Hydraulics

System design - Variable displacement piston pump with load sensing closed center circuit design for optimal efficiency. Electric transfer pump for tank filling.

Dump control	Hydraulic
Steering control	Steering wheel
Box hoist cylinder	Two (2), double acting, single stage
Steer cylinder	Two (2), double acting, single stage
Hydraulic tank volume	108 litres 28.5 USG

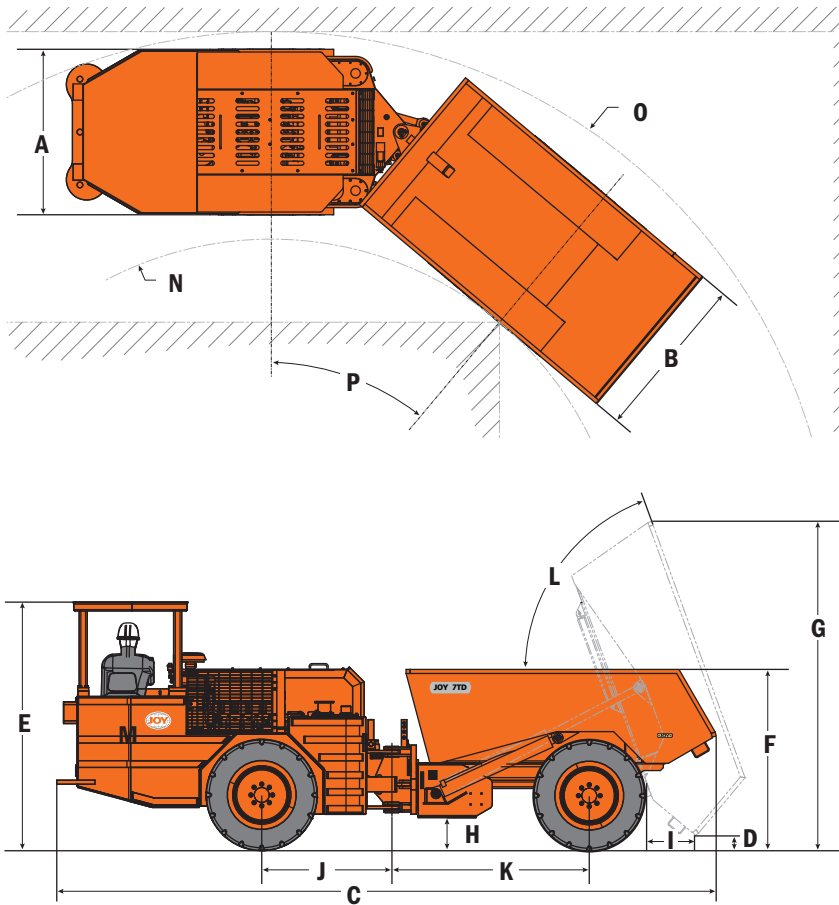
Brake system - Service brakes are enclosed hydraulic apply, spring release disk brakes, located inboard. The emergency and park brakes are spring apply. Brakes will apply upon loss of hydraulic pressure or electrical power.

### Electrical equipment

Alternator	24V / 100A
Batteries	2 x 24V
Starter	24V heavy duty
Driving and working light	2 front / 2 rear

### Structural

Front and rear frames	Welded steel box construction
Material	ASTM A572 GR50



### Overall dimensions

<b>A</b>	Width without dump box	1549 mm	61 in
<b>B</b>	Maximum width	1549 mm	61 in
<b>C</b>	Tramming length	6217 mm	245 in
<b>D</b>	Height - dump clearance	109 mm	4 in
<b>E</b>	Height at protective canopy*	2084 mm	82 in
<b>F</b>	Height at dump box*	1781 mm	70 in
<b>G</b>	Dump height*	3108 mm	122 in
<b>H</b>	Ground clearance*	234 mm	9 in
<b>I</b>	Length - dump clearance	690 mm	27 in
<b>J</b>	Length - front axle to center hinge	1219 mm	48 in
<b>K</b>	Length - rear axle to center hinge	1925 mm	76 in
<b>L</b>	Dump box angle		70 deg

\*Vehicle height and ground clearance will vary with tire manufacturer, tire pressure and load. With the vehicle loaded, expect tires to compress up to 44 mm (1.750 in).

### Turning radius

<b>N</b>	Right inner	3186 mm	125 in
<b>O</b>	Right outer	5157 mm	203 in
<b>P</b>	Turning angle		42 deg

### Options

- Centralized autolubrication system
- Fire suppression system (manual, automatic)
- Fire extinguisher
- Spare rim/wheel

### Engine

Engine	Certification	Displacement	Output	Maximum torque	No. of cylinders	Cooling type	Induction type	Governor
Deutz BF4L914	EPA Tier 2	4.3 litres	72 kW (96 hp) @2300 rpm	355 Nm (264 ft-lbs) @ 1600 rpm	4	Air cooled	Turbo charged	Mechanical

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