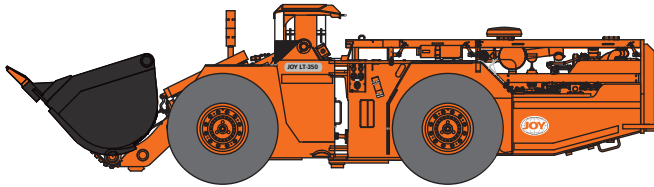




# LT-350

## Load Haul Dump



### Capacities

Tramming Capacity	3,636 kg	8,000 lbs
Hydraulic Breakout Force Lift	7,713 kg	16,968 lbs
Hydraulic Breakout Force Tilt	12,359 kg	27,189 lbs
SAE Breakout Force	6,906 kg	15,194 lbs
SAE Static Tipping Load	13,530 kg	29,766 lbs
STD Bucket	1.9 m <sup>3</sup>	2.5 yd <sup>3</sup>

### Weights

Operating Weight	13,543 kg	29,857 lbs
Total Loaded Weight	17,172 kg	37,857 lbs
Axle Weight without Load		
Front Axle	5,417 kg	11,942 lbs
Rear Axle	8,126 kg	17,914 lbs
Axle Weight with Load		
Front Axle	10,860 kg	23,942 lbs
Rear Axle	6,312 kg	13,915 lbs

### Driving Speeds F & R (0% Grade) Loaded

1st Gear	4.5 km/h	2.8 mph
2nd Gear	9.2 km/h	5.7 mph
3rd Gear	15.3 km/h	9.5 mph

### Bucket Motion Times (+/-1 s)

Dump Time	5.0 s
Rollback Time	4.0 s
Raising Time	4.0 s
Lowering Time	3.0 s

### Articulation Motion Times (+/-1 s)

Turning Time: Right	4.0 s
Turning Time: Left	4.0 s

### Powertrain

<b>Engine</b>	Cummins QSB 4.5T
Output	97 kW (130 hp) @2500 rpm
<b>General</b>	
Air Filtration	Donaldson (dry type)
Exhaust System	DOC
Fuel Tank Capacity	129 litres 34 USG
<b>Converter</b>	Dana C270 series
<b>Transmission</b>	Dana 32000 series
Shifting	Powershift c/w modulation
Forward/Reverse Speeds	3
<b>Axles</b>	
Front & Rear	Dana 14D2149
Differential	No-Spin
Brakes	Spring-applied, hydraulically-released
Oscillation Angle	+/- 5 deg
<b>Tires</b>	Bias L5S
Size	12.00 x 24

### Hydraulics

#### Bucket Hydraulics

Variable displacement piston pump with load-sensing, closed center circuit design for optimal efficiency. Available oil flows from the steering/brake circuit to the bucket hoist/dump circuit to decrease cycle time. Single stage, double-acting dual hoist cylinders with single stage, double-acting dump cylinder.

#### Steering Hydraulics

Variable displacement piston pump with load-sensing, closed center circuit design. Monostick steering with double-acting steer cylinder.

#### Brake System

Service brakes are spring-applied, hydraulically-released, forced air cooled, wet multi-disk brakes on all four wheel ends. The service brake in the wheel end also functions as an emergency and parking brake.

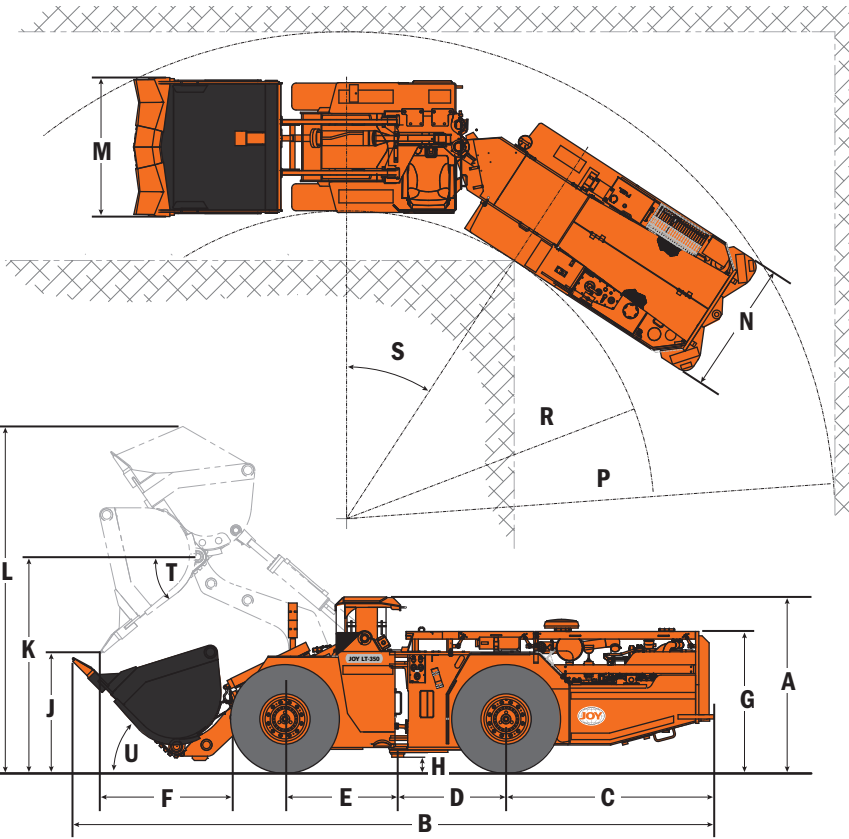
<b>Hydraulic Tank Volumes</b>	Hydraulic 170 litres	45 US Gal
-------------------------------	----------------------	-----------

### Electrical Equipment

Alternator	24V/55A Bosch
Batteries	2 x 12V
Starter	24V heavy duty
Driving & Working Lights	2 Front / 2 Rear (LED)

### Structural

Front & Rear Frames	Welded steel box construction
Material	ASTM A572 GR50 (CSA G40.21-50W)
Bucket	Ni-Basin cast cutting edge



**Overall Dimensions**

<b>A</b>	Height to top of canopy	2023 mm	6 ft 7.75 in
<b>B</b>	Tramming length	7519 mm	24 ft 8 in
<b>C</b>	Length - rear axle to bumper	2439 mm	8 ft
<b>D</b>	Centre hinge to rear axle	1270 mm	4 ft 2 in
<b>E</b>	Centre hinge to front axle	1321 mm	4 ft 4 in
<b>F</b>	Reach	1528 mm	5 ft 0.25 in
<b>G</b>	Height to top of hood	1625 mm	5 ft 4 in
<b>H</b>	Height - ground clearance	190 mm	7.5 in
<b>J</b>	Height - dump clearance	1351 mm	4 ft 5.25 in
<b>K</b>	Height - bucket pin	2476 mm	8 ft 1.5 in
<b>L</b>	Height - bucket raised	3953 mm	12 ft 11.75 in
<b>M</b>	Width overall	1629 mm	5 ft 4.25 in
<b>N</b>	Max width RF	1575 mm	5 ft 2 in
<b>P</b>	Outside radius	5721 mm	R 18 ft 9.25 in
<b>R</b>	Inside radius	3571 mm	R 11 ft 8.5 in
<b>S</b>	Turn angle		33 deg
<b>T</b>	Dump angle		40 deg
<b>U</b>	Roll back angle		45 deg

**Options**

- |                              |                         |
|------------------------------|-------------------------|
| Automatic lubrication system | Fire suppression system |
| Canopy (FOPS/ROPS certified) | Radio remote control    |
| Ejecto bucket                | Side dump bucket        |
| Electric transfer pump       | Spare rim               |
| Exhaust wrap                 | Optional bucket volumes |
| Quick attach system          | Radial tires            |

(Other options available - ask your Joy Global sales representative)

**Engine Options**

Engine	Certification	Displacement	Output	Maximum Torque	Cooling Type	Governor
Cummins QSB 4.5T	EPA Tier 3, CARB Tier 3, Stage 3	4.5 litres	97 kW (130 hp) @2500 rpm	622 Nm (459 ft-lbs) @1500 rpm	Liquid, charge air	Electronic
MTU MBE 904	EPA Tier 3, MSHA	4.25 litres	110 kW (148 hp) @2200 rpm	580 Nm (428 ft-lbs) @1200-1600 rpm	Liquid, charge air	Electronic



Product designs, specifications and/or data in this document are provided for informational purposes only and are not warranties of any kind. Product designs and/or specifications may be changed at any time without notice. The only warranties that apply to sales of products and services are Joy Global's standard written warranties, which will be furnished upon request.

Joy Global, Joy, P&H and related logos are trademarks of Joy Global Inc. or one of its affiliates. © 2015 Joy Global Inc. or one of its affiliates. All rights reserved.



joyglobal.com