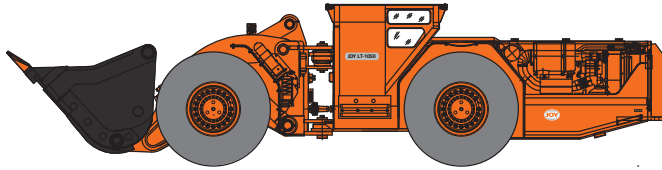




LT-1050

Load Haul Dump



Capacities

Tramming Capacity	9,979 kg	22,000 lbs
Hydraulic Breakout Force Lift	20,154 kg	44,433 lbs
Hydraulic Breakout Force Tilt	15,698 kg	34,609 lbs
SAE Breakout Force	17,434 kg	38,435 lbs
SAE Static Tipping Load	33,299 kg	73,411 lbs
Bucket	4.6 m ³	6.0 yd ³

Weights

Operating Weight	27,878 kg	61,460 lbs
Total Loaded Weight	37,924 kg	83,460 lbs
Axle Weight without Load		
Front Axle	12,315 kg	27,150 lbs
Rear Axle	15,563 kg	34,310 lbs
Axle Weight with Load		
Front Axle	28,772 kg	63,298 lbs
Rear Axle	9,165 kg	20,162 lbs

Driving Speeds F & R (0% Grade) Loaded

1st Gear	4.5 km/h	2.8 mph
2nd Gear	8.5 km/h	5.3 mph
3rd Gear	14.6 km/h	9.1 mph

Bucket Motion Times (+/- 1 s)

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

Articulation Motion Times (+/- 1 s)

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

Powertrain

Engine	Cummins QSL 9
Output	209 kW (280 hp) @2200 rpm

General

Air Filtration	Donaldson (dry type)
Exhaust System	DOC
Fuel Tank Capacity	481 litres 127 USG

Converter

Lock-up	Dana C8000 series None
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Transmission

Shifting	Dana 36000 series Powershift c/w modulation
Speeds	4 Forward / 4 Reverse (optional lock-out)

Axles

Front & Rear	19D2748
Differential	Front: Posi-torque, Rear: No-spin
Brakes	Spring-applied, hydraulically-released
Oscillation Angle	+/- 10 deg

Tires

Size	Bias L5S 18.00 x 25
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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 single stage, double-acting steer cylinder.

Brake System

Service brakes are spring-applied, hydraulically-released, forced cooled, wet multi-disk brakes on all four wheel ends. The service brakes in the wheel ends also function as the emergency brakes.

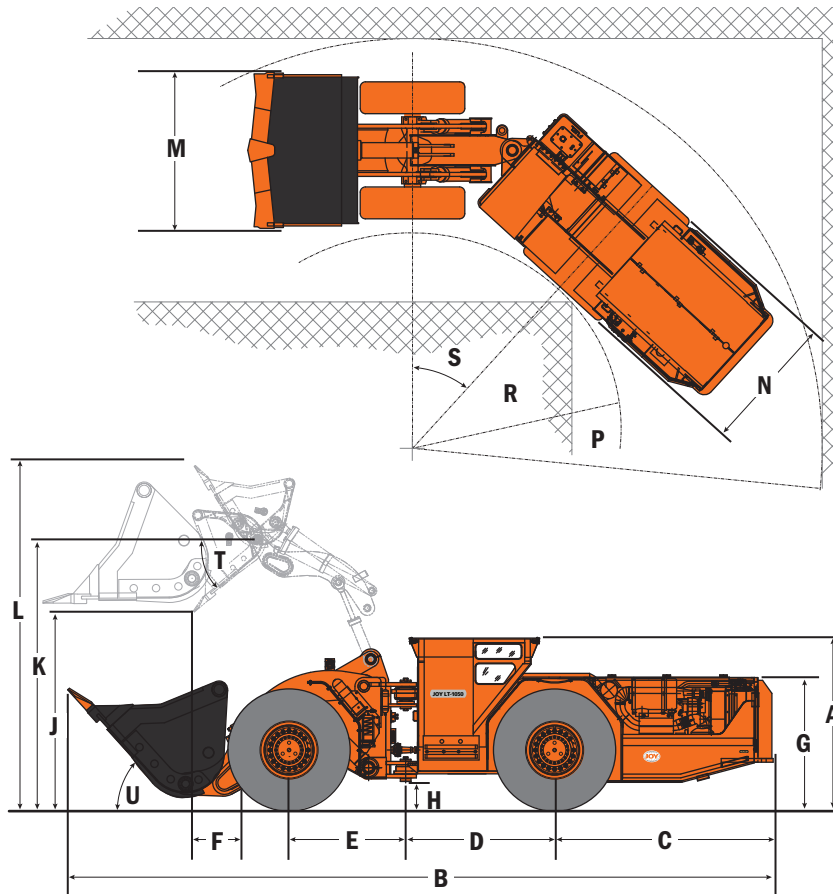
Hydraulic Tank Volumes	Hydraulic 330 litres	87 US Gal
Brake Tank	104 litres	27.5 US Gal

Electrical Equipment

Alternator	24V/75A Bosch
Batteries	2 x 12VDC
Starter	24V heavy duty
Driving & Working Lights	2 Front / 2 Rear

Structural

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



Overall Dimensions

A	Height to top of canopy	2447 mm	8 ft
B	Tramming length	9746 mm	31 ft 11in
C	Length - rear axle to bumper	3060 mm	10 ft
D	Centre hinge to rear axle	2030 mm	7 ft 6 in
E	Centre hinge to front axle	1591 mm	5 ft 2 in
F	Reach	1728 mm	5 ft 8 in
G	Height to top of hood	1901 mm	6 ft 3 in
H	Height - ground clearance	423 mm	1 ft 5 in
J	Height - dump clearance	1471 mm	4 ft 10 in
K	Height - bucket pin	3138 mm	10 ft 3 in
L	Height - bucket raised	4978 mm	16 ft 4 in
M	Width - overall	2685 mm	8 ft 9 in
N	Max width RF	2201 mm	7 ft 3 in
P	Outside radius	6765 mm	R 22 ft 2 in
R	Inside radius	3468 mm	R 11 ft 5 in
S	Turn angle		42.5 deg
T	Dump angle		45 deg
U	Roll back angle		47 deg

Options

Canopy (FOPS/ROPS certified)	Spare rim	Exhaust wrap
Fire suppression system	Fire extinguisher	Electric transfer pump
Radio remote control	Additional lighting	Optional bucket volumes
ROPS cab with air conditioning	Ejecto bucket	Radial tires

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

Engine Options

Engine	Certification	Displacement	Output	Maximum Torque	No. of Cylinders	Cooling Type	Combustion Principle	Electrical System	Governor
Cummins QSL 9	EPA Tier 3	8.9 litres	209 kW (280 hp) @ 2100 rpm (MSHA)	1424 Nm (1050 ft-lbs) @ 1500 rpm	Inline 6	Liquid, charge air	Turbocharged, charge air cooled	24 VDC	Electronic
MTU MBE 926	EPA Tier 3, MSHA, CANMET	7.2 litres	220kW (295 hp) @2200 rpm	1200 Nm (885 ft-lbs) @1300 rpm	Inline 6	Liquid cooled, air cooled	High pressure injection system, turbocharged	24 VDC	Electronic engine management



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