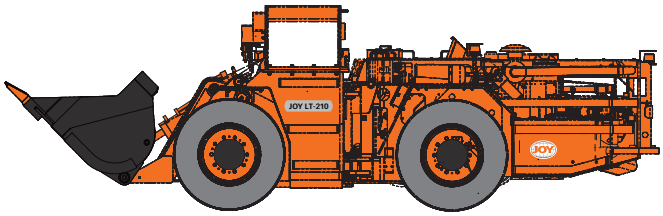
JOYGLOBAL

LT-210
Load Haul Dump



Driving speeds forward and reverse (0% Grade)

1st gear	4.0 km/h	2.5 mph
2nd gear	7.7 km/h	4.8 mph
3rd gear	22.4 km/h	13.9 mph

Electrical equipment

Alternator	24V/75A Bosch
Batteries	2 x BCI 24
Starter	24V heavy duty
Driving and working lights	2 front / 2 rear (50W high output)

Powertrain

General		
Air filtration		Donaldson (dry type)
Exhaust system		Purimuffler
Fuel tank capacity	111 litres	29.25 USG
Converter		Dana C2000 series
Lock-up		None
Transmission		Dana T20000 series
Shifting		Powershift c/w modulation
Speeds		3 forward / 3 reverse (optional lock-out)
Axles		Dana 163 series
Differential		No-spin
Brakes		Hydraulically-applied, spring-released
Oscillation angle		+/- 7 deg
Tires		
Size (standard)		9.50 x 20 (bias)
Size (optional)		9.00 x 20 (radial)

Capacities

Tramming capacity	2,041 kg	4,500 lbs
Hydraulic breakout force lift	4,057 kg	8,945 lbs
Hydraulic breakout force tilt	6,115 kg	13,4819 lbs
SAE breakout force	4,493 kg	9,905 lbs
SAE static tipping load	8,618 kg	19,000 lbs
Standard bucket range	0.76–0.96 m^3	1.0–1.25 yd^3

Weights

Operating weight	6,700 kg	14,771 lbs
Total loaded weight	8,741 kg	19,271 lbs
Axle weight without load		
Front axle	2,680 kg	5,908 lbs
Rear axle	4,020 kg	8,863 lbs
Axle weight with load		
Front axle	5,673 kg	12,507 lbs
Rear axle	3,068 kg	10,332 lbs

Structural

Front and rear frames	Welded steel box construction
Material	ASTM A572 GR50 (CSA G40.21-50W)

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.

Bucket motion times (+/- 1 s)	
Dump time	3.5 s
Rollback time	3.0 s
Raising time	4.0 s
Lowering time	2.5 s

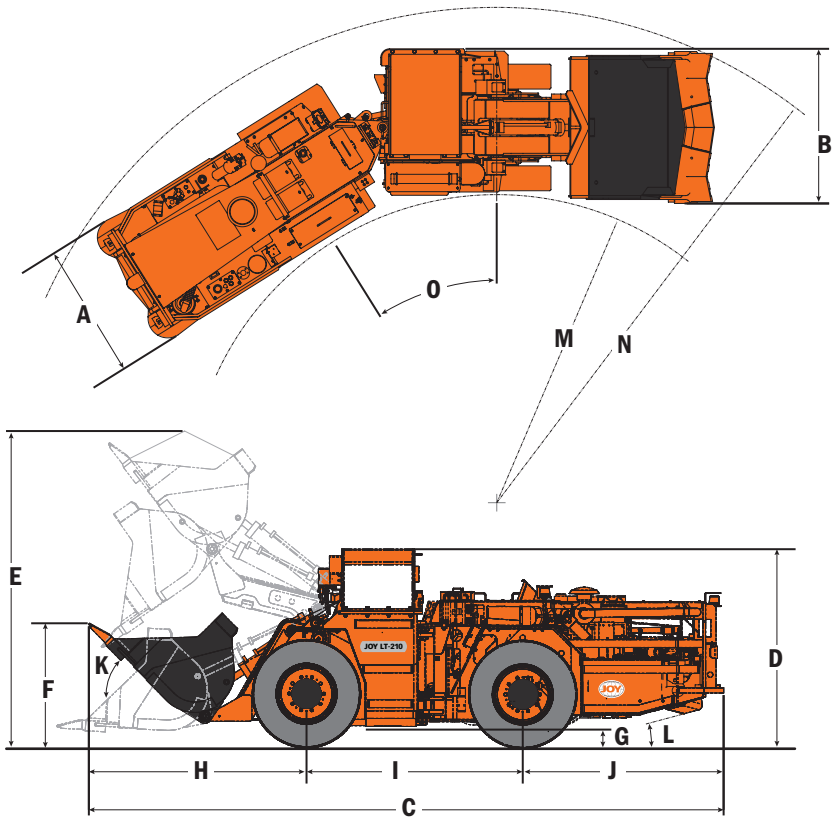
Steering hydraulics

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

Articulation motion times (+/- .75 s)	
Turning time: right	2.0 s
Turning time: left	2.5 s

Brake system

Service brakes are hydraulically-applied, spring-released, enclosed wet multi-disk brakes. Parking and emergency brake is spring-applied, hydraulically-released, wet disk brake.



Overall dimensions

A	Width	1308 mm	4 ft 3.5 in
B	Maximum width	1499 mm	4 ft 11 in
C	Total length	6152 mm	20 ft 7.1875 in
D	Height at protective canopy*	1934 mm	6 ft 4.125 in
E	Dump height*	3079 mm	10 ft 1.25 in
F	Bucket height (lowered)*	1357 mm	3 ft 11.875 in
G	Ground clearance*	216 mm	8.5 in
H	Length	2110 mm	6 ft 11.0625 in
I	Length	2096 mm	6 ft 10.5 in
J	Length	1947 mm	6 ft 4.625 in
K	Bucket radius		45 deg
L	Angle		27%

**Vehicle height and ground clearance will vary with tire manufacturer, tire pressure and load. With the vehicle loaded, expect tires to compress up to 41 mm (1.625 in).*

Turning radius (c/w bucket)

M	Right inner	2987 mm	9 ft 9.0625 in
N	Right outer	4802 mm	15 ft 9.0625 in
O	Turning angle		32 deg

Options

Automatic lubrication system	Exhaust wrap
Canopy (FOPS/ROPS certified)	Fire suppression system
Ejecto bucket	HD bucket c/w Ni-basin lip
Electric transfer pump	Radio remote control

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

Engine options

Engine	Certification	Displacement	Output	Maximum torque	No. of cylinders	Cooling type	Combustion principle	Electrical system	Governor
Deutz D914L04	EPA T3, MSHA, CANMET	4.314 litres	55 kW (73.8 hp) @2300 rpm (MSHA) 52 kW (70 hp) @2300 rpm (CANMET)	273 Nm (201 ft-lbs) @1500 rpm	Inline 4	Integrated air-cooled	Direct injection	24 VDC	Mechanical

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