



# LT-350 LOAD HAUL DUMP

## GENERAL

### MAIN DIMENSIONS

Total Length.....	24'-7 15/16" (7517 mm)
Minimum Width.....	5'-1" (1549 mm)
Maximum Width.....	5'-4 1/8" (1626 mm)
Height at Protective Canopy.....	6'-9 7/16" (2068 mm)
Dump Height.....	13'-4" (4065 mm)

### WEIGHTS

Operating Weight.....	26,940 lbs (12,220 kg)
Total Loaded Weight.....	34,440 lbs (15,662 kg)

### AXLE WEIGHT WITHOUT LOAD

Front Axle.....	10,776 lbs (4,888 kg)
Rear Axle.....	16,164 lbs (7,332 kg)

### AXLE WEIGHT WITH LOAD

Front Axle.....	24,108 lbs (10,935 kg)
Rear Axle.....	10,332 lbs (4,687 kg)

### CAPACITIES

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

### DRIVING SPEEDS FWD & REV (0% GRADE)

1st Gear.....	3.1mph (5.0 km/h)
2nd Gear.....	6.4 mph (10.3 km/h)
3rd Gear.....	10.6 mph (17.0 km/h)
4th Gear.....	17.2 mph (27.7 km/h)

### TURNING RADIUS (C/W BUCKET)

Right Inner.....	11'-9 15/16" (3605 mm)
Right Outer.....	18'-9 15/16" (5738 mm)
Turning Angle.....	33 deg.

### STRUCTURAL

Rear & Front Frame.....	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.....	5.0 s
Rollback Time.....	4.0 s
Raising Time.....	4.0 s
Lowering Time.....	3.0 s

### STEERING HYDRAULICS

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

Turning Time Right (+/- 1 s).....	4.0 s
Turning Time Left (+/- 1 s).....	4.0 s

### BRAKE SYSTEM

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

## ELECTRICAL EQUIPMENT

Alternator.....	24V/55A Bosch
Batteries.....	2 x 12V
Starter.....	24V Heavy Duty
Driving and Working Lights.....	2 Front / 2 Rear

## OPTIONS

Canopy (FOPS/ROPS Certified)	Spare Tire & Rim
Fire Suppression System	HD Bucket c/w Ni-Basin lip
Remote Control	Electric Transfer Pump
Automatic Lubrication System	Ejecto Bucket
<i>(Other options available upon request)</i>	

## POWERTRAIN

Exhaust System.....	Purimuffler
Air Filtration.....	Donaldson, Dry Type
Fuel Tank Capacity.....	34 USG (129 litres)

### Drivelines

High Speed.....	6C
Front & Rear Axle.....	7C
Articulation.....	7C

### Converter

.....	Dana C270 series
Torque Stall Ratio.....	2.87:1
Offset Ratio.....	0.960:1
Lock-up.....	None

### Transmission

.....	Dana R32000 Series
Shifting.....	Powershift c/w modulation
Forward/Reverse Speeds.....	4
Ratios.....	4.64, 2.23, 1.29, 0.75
<i>(Note: 4th locked-out &amp; optional lock-out on 3rd)</i>	

### Axles

.....	Dana 14D Series
Front & Rear.....	14D2149
Carry Capacity.....	40,000 lbs (18,160 kg)
Differential.....	No-Spin
Total Ratio.....	25.142:1
Brakes.....	Posi-Stop
Oscillation Angle.....	+/- 5 deg.

### Tires

.....	Bias
Size.....	12.00 x 24
Air Pressure Front.....	80 psi (552 Kpa) (5.52 bar)
Air Pressure Rear.....	80 psi (552 Kpa) (5.52 bar)

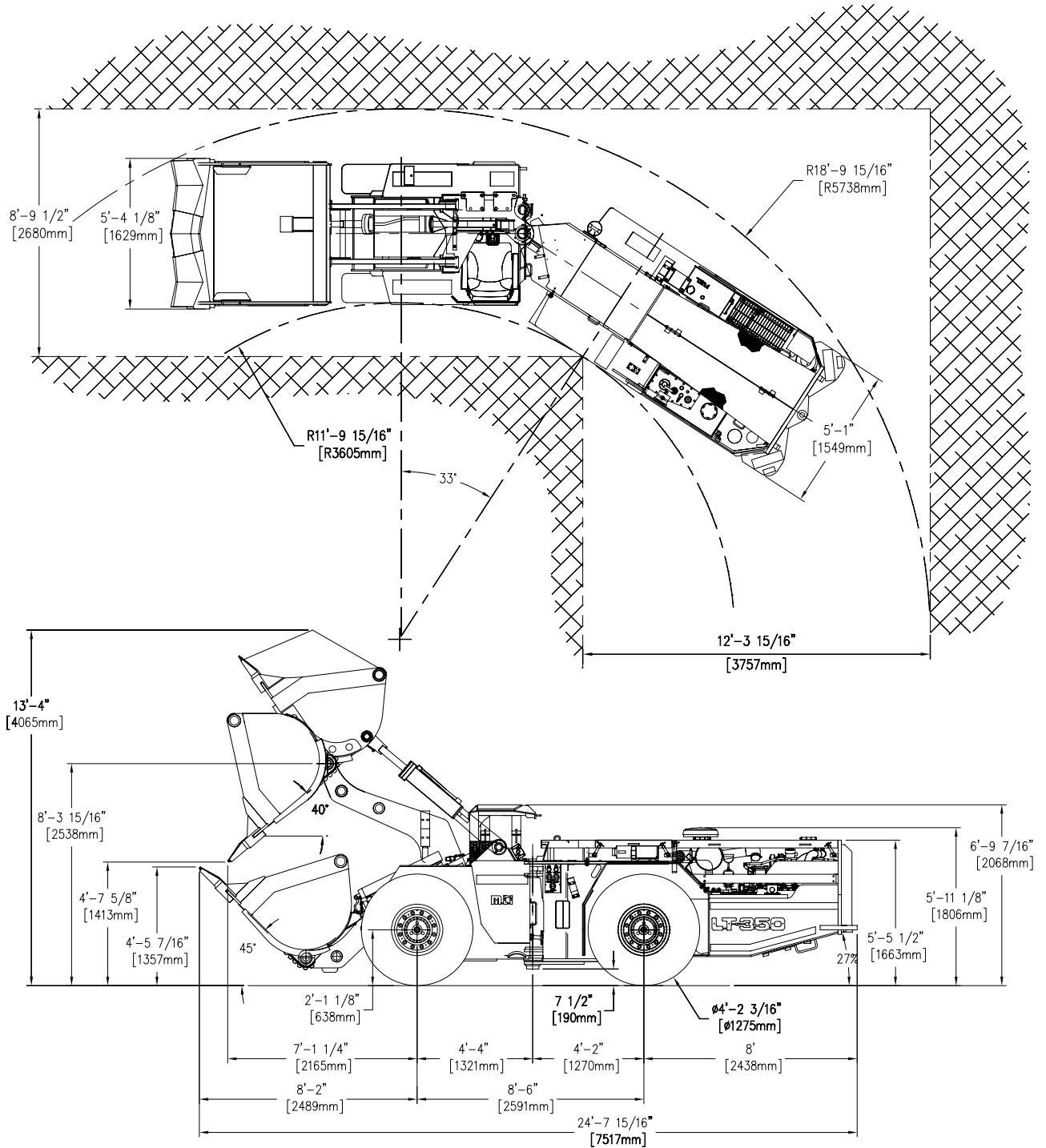
## ENGINE OPTIONS

ENGINE	Deutz BF4M1013C	DDEC MBE 904	DDEC MBE 904	Cummins QSB 4.5T
CERTIFICATION	EPA Tier 2, MSHA	EPA Tier 2, MSHA	EPA Tier 3, MSHA	EPA Tier 3, CARB Tier 3, Stage 3
DISPLACEMENT	4.76 litres	4.25 litres	4.25 litres	4.5 litres
BORE	4.3" (108 mm)	4.02" (102 mm)	4.02" (102 mm)	4.02" (102 mm)
STROKE	5.1" (130 mm)	5.12" (130 mm)	5.12" (130 mm)	5.2" (132 mm)
OUTPUT	115 hp @2300 rpm	130 hp @2200 rpm	148 hp @2200 rpm	130 hp @2500 rpm
MAX TORQUE	331 lbf-ft @1400 rpm	378 lbf-ft @1400 rpm	428 lbf-ft@1200-1600 rpm	459 lbf-ft @1500 rpm
TYPE OF COOLING	Liquid, Aftercooled	Liquid, Charge Air	Liquid, Charge Air	Liquid, Charge Air
GOVERNOR	Electronic EMR2	Electronic	Electronic	Electronic





## LT-350 DIMENSIONS



VEHICLE HEIGHTS AND GROUND CLEARANCE WILL VARY WITH TIRE MANUFACTURER, TIRE PRESSURE & LOADS. WITH THE VEHICLE LOADED EXPECT TIRES TO COMPRESS 1 5/8" [41mm].

Derived from 006023-001

