

WX07

Load Haul Dump
General Specifications



Lower environment
impact



Reliability



Productivity



Indicative illustration only, machine design will vary

Operating capacities and weights

Payload	6,800 kg.	15,400 lbs.
Bucket capacity	3.1 m ³ .	4.0 yd ³ .
Operating weight	20,896 kg.	45,971 lbs.

Engine power

Engine rated power - standard	160 kW.	215 hp.
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Capacities		
Tramming capacity	6,800 kg.	14,990 lbs.
Hydraulic breakout force lift	14,264 kg.	31,447 lbs.
Hydraulic breakout force tilt	13,645 kg.	30,082 lbs.
SAE breakout force	12,617 kg.	27,816 lbs.
SAE static tipping load	21,258 kg.	46,866 lbs.
Bucket	3.1 m ³ .	4.0 yd ³ .

Weights		
Operating weight	20,896 kg.	45,971 lbs.
Total loaded weight	27,696 kg.	60,931 lbs.
Axle weight without load		
Front axle	10,072 kg.	22,204 lbs.
Rear axle	10,824 kg.	23,864 lbs.

Axle weight with load		
Front axle	19,622 kg.	43,700 lbs.
Rear axle	8,074 kg.	17,800 lbs.

Driving speeds F and R unloaded km/h						
Grade (%)	0	5	10	12	15	20
1st gear	4.3	4.1	4.0	3.9	3.8	3.7
2nd gear	8.7	7.9	7.5	7.4	7.3	6.8
3rd gear	14.5	13.0	11.8	11.3	10.2	7.5
4th gear	25.8	20.9	13.2	10.1	5.0	

Driving speeds F and R loaded km/h						
Grade (%)	0	5	10	12	15	20
1st gear	4.2	3.9	3.87	3.8	3.7	3.6
2nd gear	8.7	7.7	7.4	7.2	6.8	5.9
3rd gear	14.5	12.6	10.2	8.7	7.3	4.2
4th gear	24.1	18.1	5.0			

Bucket motion times (+/-1 s)	
Dump time	2.00 s
Rollback time	2.45 s
Raising time	5.95 s
Lowering time	3.45 s

Control system	
User interface	IQAN MD4

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

Powertrain	
Engine	Standard Cummins QSB 6.7 EPA Tier 3, MSHA/CANMET
Output	160 kW (215 hp) @2100 rpm

General	
Air filtration	Donaldson (dry type)
Exhaust system	DOC
Fuel tank capacity	276 litres 73 USG
Converter	Dana C3000 series
Lock-up	Yes

Transmission	Dana TE14
Shifting	Powershift with auto & manual modes
Speeds	4 forward / 4 reverse

Axles	
Front and rear	Dana 17D
Differential	LSD front axle, no spin rear axle
Brakes	Spring applied, hydraulic release
Oscillation angle	+/- 6 deg
Tires	Bias L5S or Radial
Size	17.50 x 25

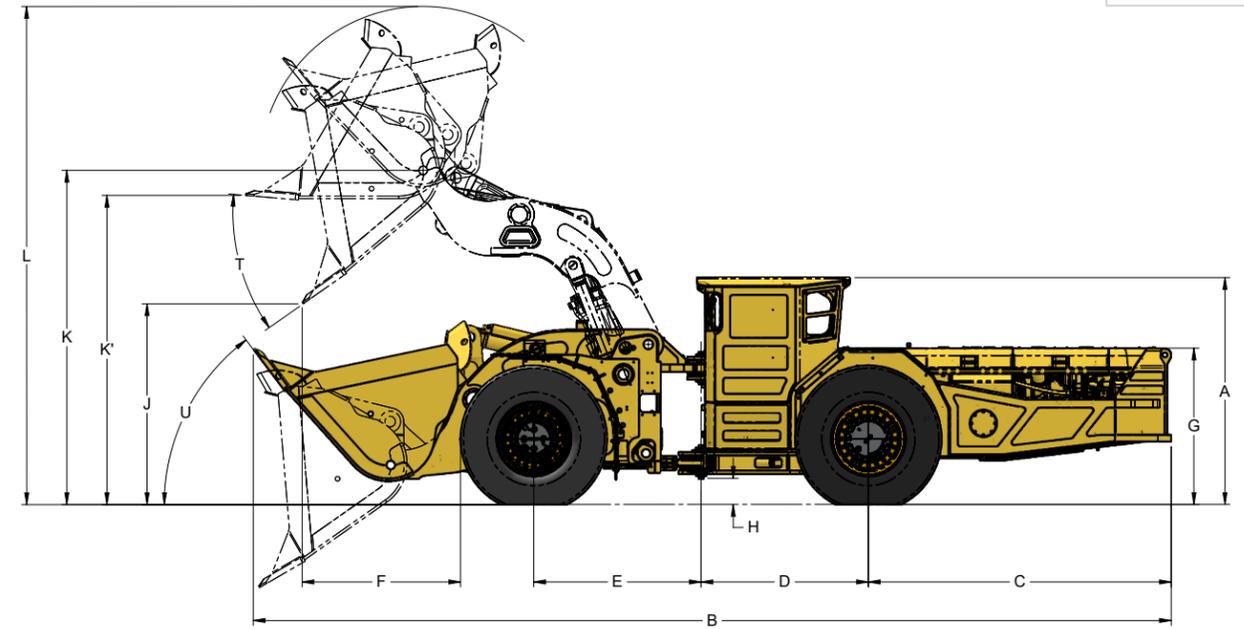
As applications vary, tire supplier should be consulted on appropriate tire.

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

Steering hydraulics	
Variable displacement piston pump with load-sensing, closed center circuit design. Controlled by an electric joystick. Double acting dual steer cylinders.	
Hydraulic tank volumes	171 litres 45.0 US Gal

Brake system	
Service brakes are spring applied, hydraulically released, wet multi-disk brakes on all four-wheel ends. The wheel end brakes also function as emergency and parking brakes. Brake system conforms to CAN/CSA 424.3 and ISO3450.	

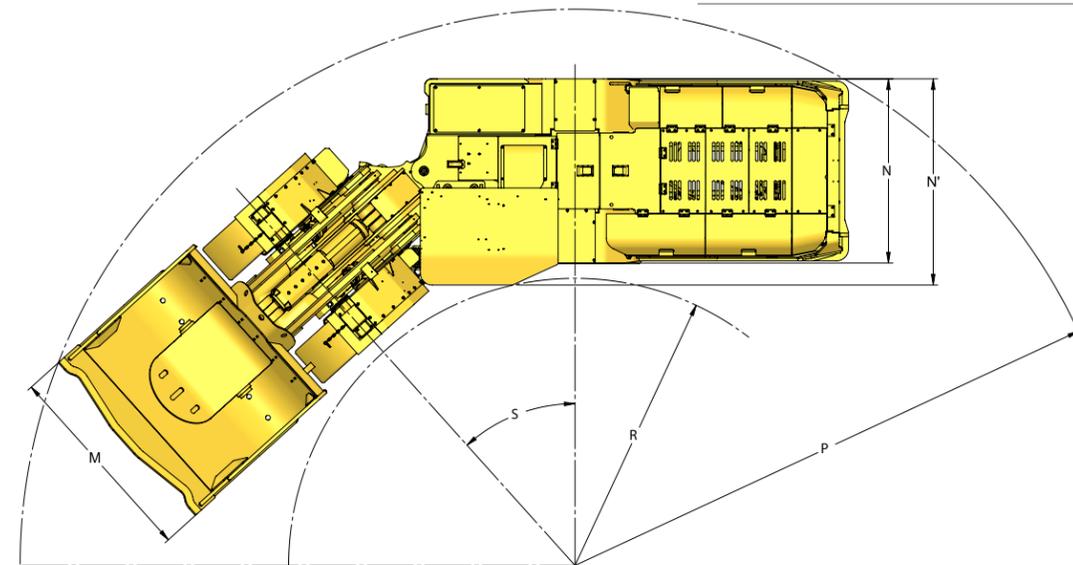
Electrical equipment	
Alternator	24V/120A Prestolite
Batteries (24V system)	2 x 12V
Starter	24V heavy duty
Driving and working lights	8 forward/3 rear
Cabin lights	3 interior lights (LED)



Overall dimensions		
A	Top of cabin	2169 mm. 85 in.
B	Overall tramming length	8780 mm. 345.7 in.
C	Rear axle to bumper	2897 mm. 114.1 in.
D	Centre hinge to rear axle	1600 mm. 63 in.
E	Centre hinge to front axle	1600 mm. 63 in.
F	Bucket reach	1515 mm. 58.6 in.
G	Top of hood	1495 mm. 59 in.
H	Ground clearance	244 mm. 9.6 in.
J	Dump clearance	1915 mm. 75.4 in.
K	Lift arm pin	3188 mm. 125.5 in.
K'	Bucket level	2950 mm. 116.1 in.
L	Bucket raised	4751 mm. 187 in.

Overall dimensions		
N	Width - rear frame	1898 mm. 74.7 in.
N'	Width - cabin	2178 mm. 85.8 in.
RE	Outside turning radius	5877 mm. 231.4 in.
RI	Inside turning radius	3033 mm. 119.4 in.
S	Turn angle	42 deg
T	Dump angle	40 deg
U	Roll back angle	48 deg

Bucket width (M)		
2.6m ³ (3.4 yd ³)	1892 mm.	74.5 in.
2.8m ³ (3.7 yd ³)	2007 mm.	79.0 in.
3.1m ³ (4.0 yd ³) Standard	2170 mm.	85.4 in.
3.4m ³ (4.4 yd ³)	2362 mm.	93.0 in.
3.8m ³ (5.0 yd ³)	2604 mm.	102.5 in.
4.3m ³ (5.6 yd ³)	2896 mm.	114.0 in.
2.4m ³ (3.1 yd ³) Ejector	2170 mm.	85.4 in.



Standard equipment

- Certified ROPS/FOPS Open Cabin
 - Air Ride Seat
 - Two LCD Screens on Dash
 - Selectable Two Position Throttle and Brake Pedal Location
 - 12V, 2-Way Radio Power Receptacle (Radio Supplied by Customer)
 - 12 VDC Power Port in Cabin
 - Two 2.1A USB Power Ports in Cabin
 - Engine Diagnostic Port in Cabin
 - Maximum Grade Exceeded Warning Display
- 3.1 m³ Bucket w. Plate Lip
- Power-On Strobe Light
- Back-Up Alarm
- Three Emergency Stops
- Automatic Engine Shut Down: Low Coolant Level, Low Engine Oil Pressure, Engine Coolant Temperature Exceeded, Hydraulic Oil Temperature Exceeded, Fire Suppression Discharge
- Electronic Fill Pump for Hydraulic Tank
- Filter Clog Warning Display for Engine Air Intake Filter, Hydraulic Pressure Filters, Hydraulic Return Filter
- Radial Tires
- Articulation and Boom Lock Pins
- 3-Point Access to Cabin
- Double Wall Insulated Exhaust Piping
- DOC Exhaust
- Heavy Duty Reflective Tape
- 10 LB Fire Extinguisher
- Heavy Duty Grip Tape on Hoods

Attachment options

- 2.6 m³ Bucket w. Plate Lip or Cast Lip
- 2.8 m³ Bucket w. Plate Lip or Cast Lip
- 3.1 m³ Bucket w. Cast lip
- 3.4 m³ Bucket w. Plate Lip or Cast lip
- 3.8 m³ Bucket w. Plate Lip or Cast lip
- 4.3 m³ Bucket w. Plate Lip or Cast Lip
- 2.4 m³ Ejector Bucket
- Quick attach – Master Hitch
- 2.5 m³ Quick Attach Bucket
- Quick Attach Hydraulically Adjusted Fork Rack
- Quick Attach Manually Adjusted Fork Rack

Optional equipment

- Automatic Lubrication System
- DPF Exhaust
- Manual or Automatic Fire Suppression System (Remote Ready)
- Ride Control
- Turbo and Exhaust Manifold Insulation Wrap
- Wiggins Fill for Hydraulic and/or Fuel Tank
- Directional Lightening
- Reverse Warning Lights
- Red Taillights
- Back Up Camera
- Wheel Chocks with Brackets
- Bias Ply Tires
- Additional Rear Work Lights

Cabin options

- Certified ROPS/FOPS Enclosed Cabin
 - Air Conditioning
 - 3 Window Wiper and Washer
 - Stereo System with Audio Jack:
 - USB and Bluetooth Input Capability
 - Remote Washer Bottle Fill Port
 - ¼" Safety Glass Windows
 - Sound Deadening Insulation
 - Filtered and Pressurized
- Optional Heater

Ambient temperature options

- Arctic Package (-40°C to 10°C)

Technology options

- Data Management System (load weighing system included)
- Line of site radio remote control system

Altitude options

- High Altitude (3000-4000masl)

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