

WX03

Load haul dump
general specifications



Safety



Reliability



Productivity



Indicative image shown - machine design will vary

Capacities

Haulage capacity	3 000 kg	6,600 lbs.
Bucket volume	1.5 m ³	2.0 yd ³

Engine power

Engine rated power — standard	74 kW	99 HP
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WX03

Capacities

Haulage capacity	3 000 kg	6,600 lbs.
Hydraulic breakout force lift	3 721 kg	8,203 lbs.
Hydraulic breakout force tilt	7 502 kg	16,540 lbs.
SAE breakout force	5 160 kg	11,376 lbs.
SAE static tipping load	9 569 kg	21,097 lbs.

Weights

Operating weight	10 319 kg	22,750 lbs.
Total loaded weight	13 319 kg	29,363 lbs.

Axle weight without load

Front axle	3 515 kg	7,750 lbs.
Rear axle	6 804 kg	15,000 lbs.

Axle weight with load

Front axle	8 391 kg	18,500 lbs.
Rear axle	4 928 kg	10,864 lbs.

Driving speeds F and R (0% grade) loaded

1st gear	4.0 kph	2.5 mph
2nd gear	8.0 kph	5.0 mph
3rd gear	20.0 kph	12.4 mph

Bucket/lift arm motion times (+/-1 s)

Dump time	4.2 s
Raising time	3.4 s
Lowering time	2.3 s

Articulation motion times (+/-1 s)

Turning time: right	3.0 s
Turning time: left	3.3 s

Electrical equipment

Alternator	24VDC/75A Delco Remy
Batteries	2 x 12 V
Starter	Electric
Driving and working lights	2 front/2 rear

Structural

Front and rear frames	Welded steel box construction
Material	ASTM A572 GR50 (CSA G40.21-50W)
Bucket	EZ-fill cast cutting edge

Powertrain

Engine (standard)	Cummins QSB 3.3 EPA Tier 3, MSHA, CANMET
Output	74 kW (99 HP) @ 2 200 rpm
Displacement	3.3 L
Cooling type	Liquid cooling
Induction type	Turbo charged
Governer	Electronic

General

Air filtration	Donaldson (dry type)
Exhaust system	DOC with silencer standard/DPF optional
Fuel tank capacity	138 L 36.5 US gal
Converter	Dana C2000 series

Transmission

Dana T20000 powershift with modulation	
Shifting	Electric
Speeds	3 forward/3 reverse

Axles

Front and rear	Dana182
Differential	no spin
Brakes	Spring applied, hydraulic release
Oscillation angle	+/- 7 deg (frame)

Tires

Bias L5S	
Size	9.5 x 20

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

Hydraulics

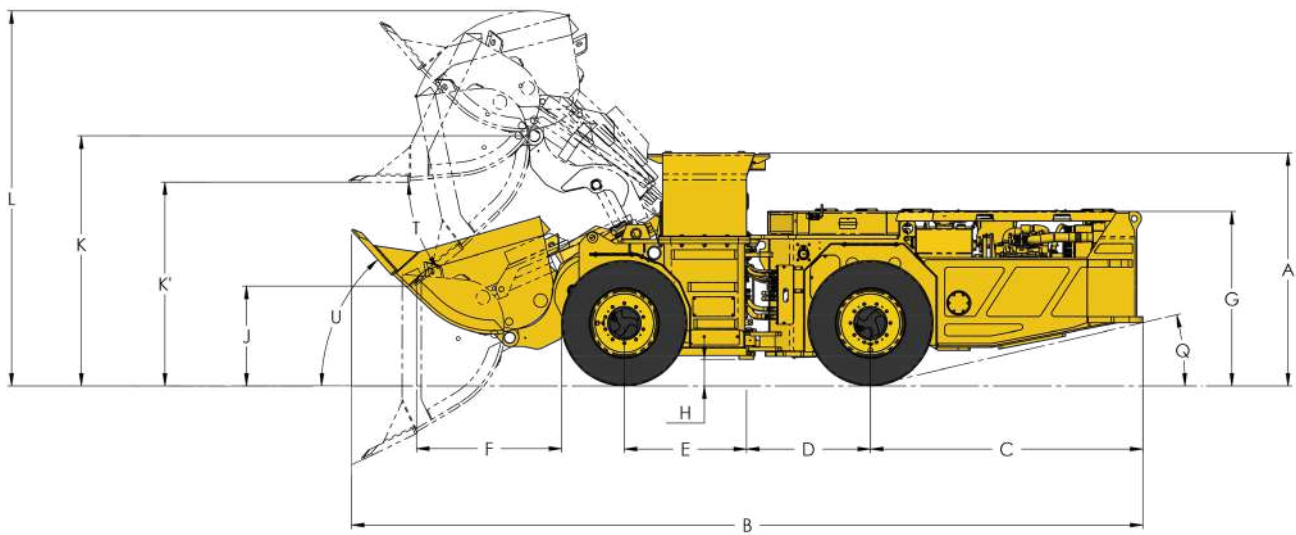
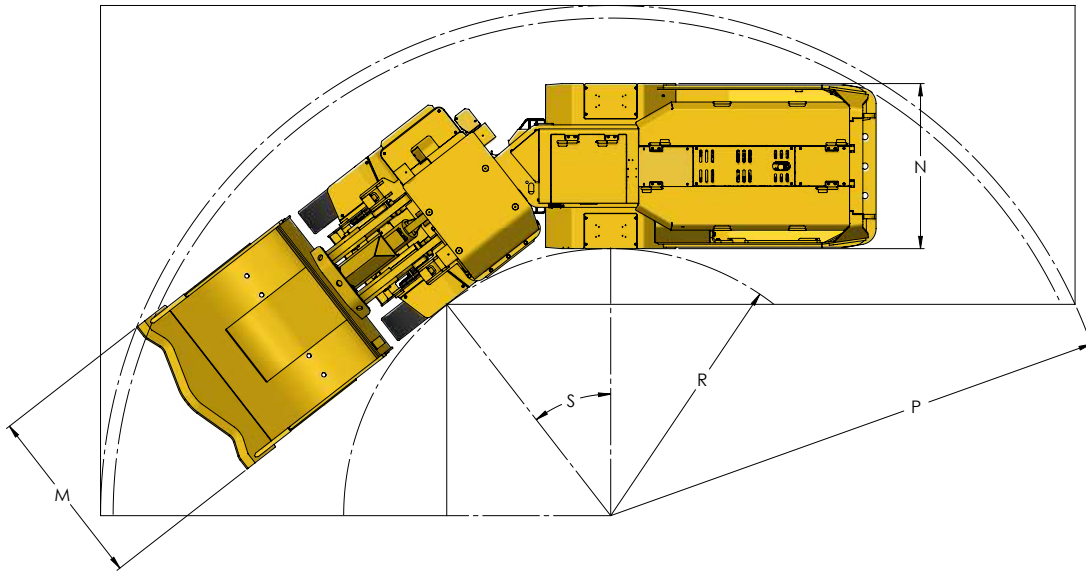
System design

Variable displacement piston pump with load-sensing open loop circuit design for optimal efficiency. Proportional hydraulic valve with closed centre spool with priority steering, shock valves and load sense relief valves.

Bucket/boom control	Single 2-axis proportional electronic joystick
Steering control	Single 1-axis proportional electronic joystick
Bucket dump cylinder	One, double acting, single stage
Boom hoist cylinder	Two, double acting, single stage
Steer cylinder	One, double acting, single stage
Hydraulic tank volume	85 L 22.5 US gal

Brake system

Service brakes are enclosed spring-applied, hydraulically released, liquid-cooled multidisk on all four wheel ends. The service brakes also function as emergency and park brakes. Brakes will apply upon loss of hydraulic pressure or electrical power.



Overall dimensions

A	Height to top of canopy	1 938 mm	76 in
B	Traming length	6 642 mm	261 in
C	Length — rear axle to bumper	2 286 mm	90 in
D	Center hinge to rear axle	1 041 mm	41 in
E	Center hinge to front axle	1 026 mm	40 in
F	Bucket reach	1 219 mm	48 in
G	Height to top of hood	1 447 mm	57 in
H	Ground clearance	210 mm	8 in
J	Dump clearance	822 mm	32 in
K	Bucket pin	2 080 mm	82 in

K'	Bucket level	1 695 mm	67 in
L	Bucket raised	3 126 mm	123 in
M	Width overall	1 546 mm	61 in
N	Max width RF	1 422 mm	56 in
P	Outside radius	4 394 mm	173 in
Q	Departure angle		13 deg
R	Inside radius	2 295 mm	90 in
S	Turn angle		38 deg
T	Dump angle		38 deg
U	Roll back angle		48 deg

Features

standard • optional ○

FOPS/ROPS-certified operator compartment	●
1.5 m ³ (2.0 yd ³) bucket with spade plate lip	●
Manuals: operator, service, online parts	●
Manual centralized chassis lubrication	●
1.3m ³ (1.7 yd ³) bucket with spade plate lip	○
Ejector bucket 1.1m ³ (1.4 yd ³)	○
Quick attach system (bucket, forks)	○
Fire suppression system — manual or automatic activation	○
Radio remote control	○
Retrieval hook	○
Exhaust insulation/blanket	○
Wheel chocks and holders	○
Automatic lubrication system	○
Backup alarm	○
Spare wheel	○
Wiggins fast fuel fill	○
Directional lighting	○

Further equipment on request



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