

WX03

Load haul dump



Safety



Reliability



Productivity



Capacities

Haulage capacity	2 722 kg (5,988 lbs.)
Bucket volume	1.2 m ³ (1.6 yd ³)

Engine power

Engine rated power (standard)	74 kW (99 HP)
Engine rated power (optional)	56 kW (75 HP)

Capacities

Haulage capacity	2 722 kg (5,988 lbs.)
Hydraulic breakout force lift	6 043 kg (13,295 lbs.)
Hydraulic breakout force tilt	5 372 kg (11,818 lbs.)
SAE breakout force	4 735 kg (10,417 lbs.)
SAE static tipping load	9 662 kg (21,256 lbs.)

Weights

Operating weight	9 570 kg (21,054 lbs.)
Total loaded weight	12 292 (27,038 lbs.)
Axle weight without load	
Front axle	3 983 kg (8,763 lbs.)
Rear axle	5 587 kg (12,291 lbs.)
Axle weight with load	
Front axle	8 171 kg (17,976 lbs.)
Rear axle	4 119 kg (9,062 lbs.)

Driving speeds F and R (0% grade) loaded

1st gear	3.5 kph (2.2 mph)
2nd gear	6.9 kph (4.3 mph)
3rd gear	18.0 kph (11.2 mph)

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

Dump time	5.0 s
Raising time	3.0 s
Lowering time	2.0 s

Articulation motion times (+/-1 s)

Turning time: right	2.5 s
Turning time: left	3.0 s

Electrical equipment

Alternator	24VDC/75A Delco Remy
Batteries	2x12V
Starter	Electric
Driving and working lights	2 front/2 rear

Structural

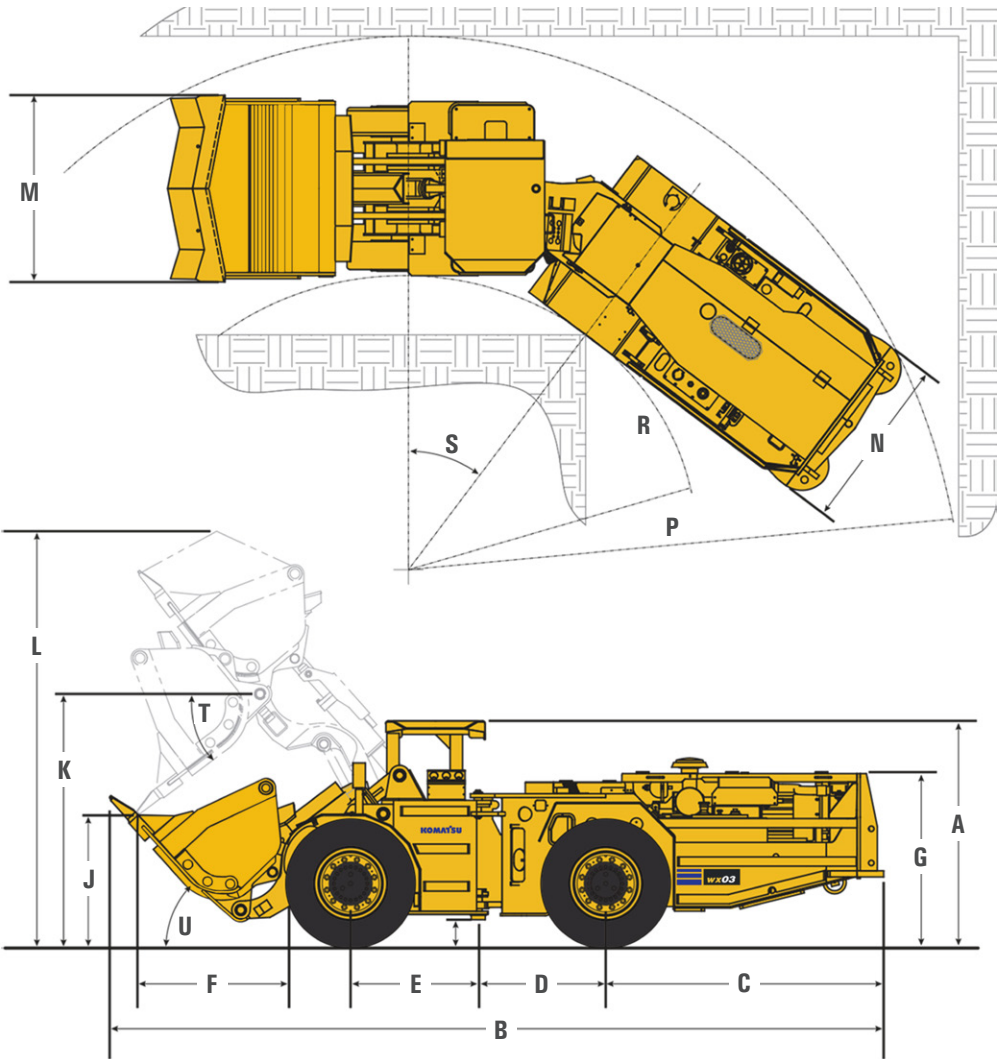
Front and rear frames	Welded steel box construction
Material	ASTM A572 GR50 (CSA G40.21-50W)
Bucket	Joy EZ-fill cast cutting edge

Powertrain

Engine (standard)	Cummins QSB 3.3 EPA Tier 3, MSHA
Output	74 kW (99 HP) @ 2200 rpm
Displacement	3.3 L
Cooling type	Liquid cooling
Induction type	Turbo charged
Governor	Electronic
General	
Air filtration	Donaldson (dry type)
Exhaust system	Doc with silencer standard / DPF optional
Fuel tank capacity	140 L (37 US gal)
Converter	Dana C2000 series
Transmission	Dana T20000 powershift with modulation
Shifting	Electric
Speeds	3 forward/3 reverse
Axles	
Front and rear	Dana182
Differentials	No-spin
Breaks	Spring applied, hydraulic release
Oscillation angle	+/- 7 deg (frame)
Tires	Bias L5S
Size	9.50 x 20

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 pilot hydraulic joystick
Steering control	Single 1-axis proportional pilot hydraulic 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	120 L (31.7 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	1 935 mm (76 in)
B	Tramming length	6 441 mm (254 in)
C	Length - rear axle to bumper	2 288 mm (90 in)
D	Center hinge to rear axle	1 041 mm (41 in)
E	Center hinge to front axle	1 045 mm (41 in)
F	Reach	1 239 mm (49 in)
G	Height to top of hood	1 516 mm (60 in)
H	Height - ground clearance	204 mm (8 in)
J	Height - dump clearance	1 036 mm (41 in)
K	Height - bucket pin	2 014 mm (79 in)
L	Height - bucket raised	3 334 mm (131 in)
M	Width overall	1 524 mm (60 in)
N	Max width RF	1 486 mm (59 in)
P	Outside radius	4 374 mm (172 in)
R	Inside radius	2 315 mm (91 in)
S	Turn angle	37 deg
T	Dump angle	38 deg
U	Roll back angle	47 deg

Features

FOPS/ROPS certified operators compartment	●
1.2 m ³ (1.6 cu.yd) bucket c/w spade plate tip	●
Manuals: operators, parts, service	●
Ejector bucket 0.9 M ³ (1.2 cu.yd.)	○
Quick attach system (bucket, forks)	○
Fire suppression system - manual activation	○
Radio remote control	○
Exhaust blanket	○
Wheel chocks and holders	○
Automatic lubrication system	○
Backup alarm	○
Spare wheel	○

Engine options

Engine (optional)	Deutz BF4M2012C
Certification	EPA Tier 2 MSHA
Displacement	4.04 L
Output	56 kW (75 HP) @ 2300 rpm
Maximum torque	274 N-m (202 ft.-lbs.) @ 1500 rpm
Number of cylinders	4
Cooling type	Liquid cooled, after cooling
Induction type	Turbo charged
Governor	Electronic

Further equipment on request

- standard equipment
- optional equipment

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