

WX11 LHD



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

Operating capacities

Haulage capacity	11,000 kg	24,250 lbs.
Bucket volume	5 m ³	6.5 yd ³

Engine rated power

EU5 - Optional	213 kW	285 HP
Tier 3 - Standard	209 kW	280 HP

Capacities

Tramming capacity	11,000 kg	24,250 lbs.
Hydraulic breakout force, lift	21,732 kg	47,911 lbs.
Hydraulic breakout force, tilt	21,260 kg	46,870 lbs.
SAE breakout force	19,538 kg	43,075 lbs.
SAE static tipping load	35,226 kg	77,660 lbs.
Standard bucket volume	5 m ³	6.5 yd ³

Weights

Operating weight	35,250 kg	77,750 lbs.
Total loaded weight	46,250 kg	102,000 lbs.

Axle weight without load

Front axle	17,200 kg	37,950 lbs.
Rear axle	18,050 kg	39,800 lbs.

Axle weight with load

Front axle	33,950 kg	74,900 lbs.
Rear axle	12,300 kg	27,100 lbs.

Driving speeds F and R unloaded km/h

Grade (%)	0	5	10	12.5	14.3	20
1st gear	6	5.6	5.3	5.2	5.0	4.7
2nd gear	12.2	10.9	8.7	7.9	6.5	3.8
3rd gear	20.6	14.8	9.4	4.2	2.6	
4th gear	30	12.5				

Driving speeds F and R loaded km/h

Grade (%)	0	5	10	12.5	14.3	20
1st gear	5.8	5.6	5.3	5.1	4.8	4.3
2nd gear	11.7	10.8	8.5	7.2	6.1	3.1
3rd gear	18	14.3	7.2	3.4		
4th gear	30	9.8				

Bucket motion times (+/- 1 s)

Dump time	1.4 s
Rollback time (from dumped)	1.9 s
Raising time	6.8 s
Lowering time	4.2 s

Articulation motion times (+/- 1 s)

Turning time, right	3.0 s
Turning time, left	3.0 s

Electrical equipment

Alternator	24VDC 180A Prestolite
Batteries	2 x 12V
Starter	Electric
Driving and working lights	8 forward/5 rearward/5 aux

Control system

Digital Vehicle Control System — CANbus
Digital multifunction touch screen

Operator's compartment

Open canopy cabin (standard)	ROPS — Certification ISO 3471
	FOPS — Certification ISO 3449
	No high pressure hoses
	Adjustable height suspension seat, fore & aft
	Adjustable armrests
Enclosed cabin (optional)	Climate controlled air conditioner
	Cabin air pressurizer
	Noise suppression
	3 — Emergency exit windows
	3 — Window wipers & washers
	Stereo — Bluetooth, AUX, USB

Structural

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

Powertrain

Engine (standard)	Cummins QSL9
Certification	EPA Tier 3, EU Stage IIIA, MSHA/CANMET
Output	209 kW (280 HP) @2,000 rpm
Engine (optional)	Cummins L9
Certification	EPA Tier 4F, EU Stage V, MSHA/CANMET
Output	213 kW (285 HP) @2,000 rpm
Displacement	9 L
Number of cylinders	6
Induction type	Turbocharged, intercooled
Cooling type	Liquid cooled
Governor	Electronic
Air filtration	Cummins (dry type)
Exhaust system	DOC with silencer
Fuel tank capacity	336 L 88.8 gal
Transmission / Converter	Dana MTE32
Shifting	Powershift with manual & automatic modes
Gears	4 forward /4 reverse
Axles	
Front and rear	Komatsu
Differentials, front	Limited Slip
Differentials, rear	Limited Slip
Brakes	SAHR Brakes
Rear axle oscillation angle	+/-8 Deg
Tires	18.00X25 Bias L5S*

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

Hydraulics

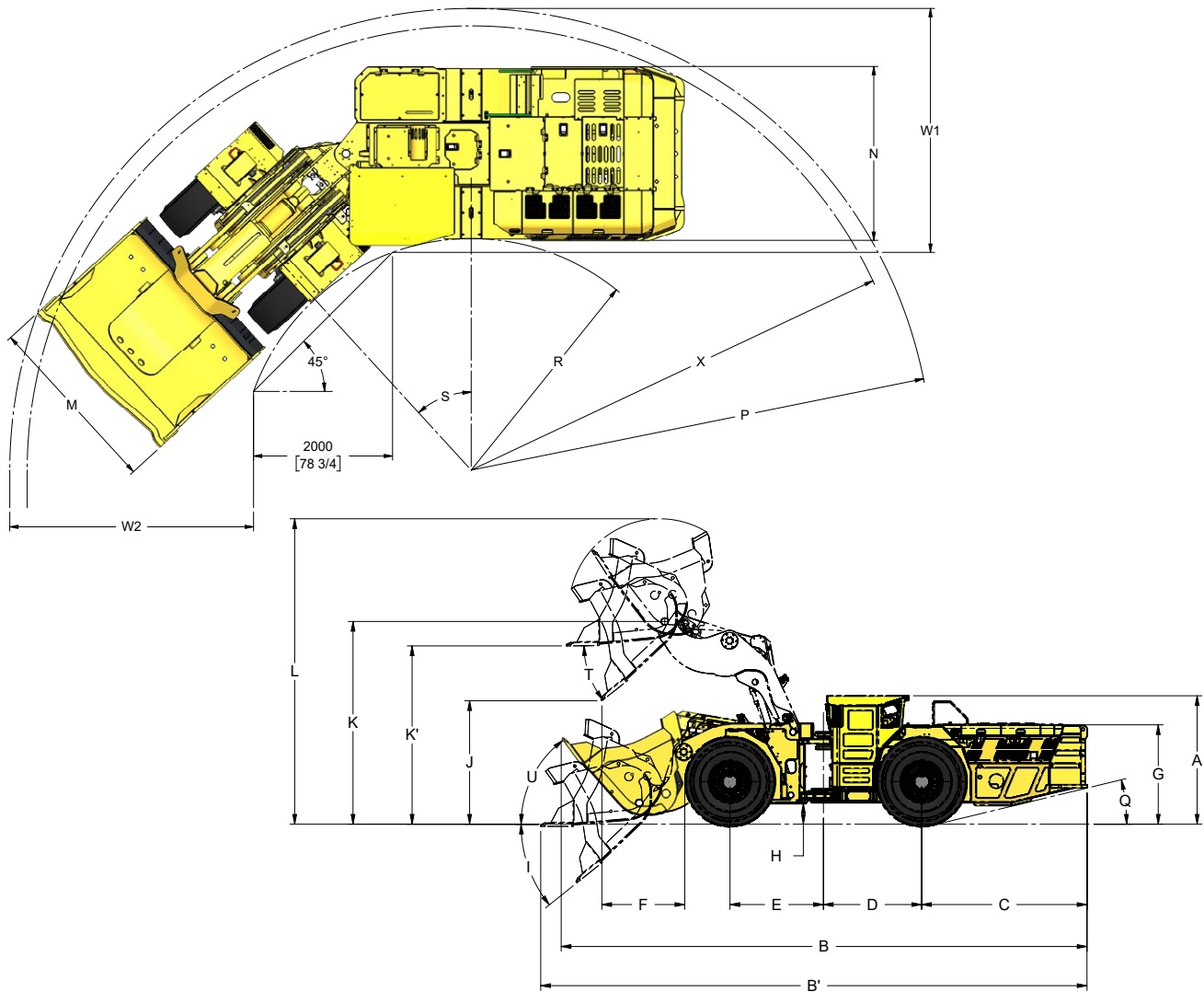
Variable displacement piston pumps with load-sensing, open loop circuit design for optimal efficiency. Proportional hydraulic valve with closed center spool with priority steering, shock valves and load sense relief valves

Boom/bucket control	Single 2 axis proportional electric joystick
Steering control	Single 1 axis proportional electric joystick
Bucket dump cylinder	One (1), double acting, single stage
Boom hoist cylinder	Two (2), double acting, single stage
Steer cylinder	Two (2), double acting, single stage

Brake system

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

Hydraulic tank volume	305 L	80.6 gal
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Overall dimensions

A	Height - top of canopy	2,378 mm	94 in
B	Length - tramming	9,739 mm	383 in
B'	Length - overall	10,119 mm	398 in
C	Length - rear axle to bumper	3,063 mm	121 in
D	Length - rear axle to articulation	1,819 mm	72 in
E	Length - front axle to articulation	1,731 mm	68 in
F	Length - reach	1,536 mm	60 in
G	Height - top of hood	1,815 mm	71 in
H	Height - ground clearance	383 mm	15 in
J	Height - dump clearance	2,463 mm	97 in
K	Height - bucket pin	3,871 mm	152 in

K'	Height - bucket lip	3,436 mm	135 in
L	Height - bucket raised	5,703 mm	225 in
M	Width - overall	2,616 mm	103 in
N	Width - rear frame	2,500 mm	98 in
P	Turning radius - outside	6,639 mm	261 in
R	Turning radius - inside	3,332 mm	131 in
W	Clearance	3,500 mm	138 in
Q	Departure angle	14 deg	
S	Turn angle	42.5 deg	
T	Dump angle	43 deg	
U	Rollback angle	53 deg	

Buckets

All buckets are designed with unique geometry to optimize bucket filling, and include plate lip

Standard	5.0 m ³	6.5 yd ³
Optional	5.5 m ³	7.2 yd ³
Optional	6.1 m ³	8.0 yd ³
Ejector	4.0 m ³	5.2 yd ³

Standard and optional equipment

12V Power in cab	●
12V Radio power receptacle	●
3 point contact (operator & technician)	●
Additional lighting (LED, Front & Rear)	●
Adjustable joysticks	●
Automatic engine shutdown	●
Automatic gear shifting mode — selectable	●
Aux jump start receptacle	●
Axle brake cooling	●
Battery and starter Isolator	●
Boom and steer interlock with parking brake	●
Brake release pump for towing	●
Centralized chassis lubrication	●
DOC exhaust	●
Door switch	●
Easily accessible machine vitals	●
Engine cooldown timer	●
Engine diagnostic plug in cabin	●
E-stops (3 locations)	●
Grip tape on hoods	●
Ground level accessible daily service points	●
High-efficiency cooling system	●
Hydraulic cooling fans	●
Hydraulic fill pump — electric	●
Mechanical boom locks	●
Mechanical steering lock	●
Multiple USB power ports	●
Neutral interlock	●
No hydraulic hoses in the cab	●
Red taillights	●
Robust HMI screens	●
ROPS/FOPS cabin	●
Seat belt switch	●
Swing out grille & cooler fans	●

Arctic package	○
Automatic lubrication	○
Boom/Bucket memory settings	○
Cabin air conditioner	○
Cabin heater	○
Camera (rear facing)	○
Camera system (3 cameras)	○
Collision avoidance interface	○
Datalogging and telemetry	○
Diesel Particulate Filter (DPF)	○
Direction lights (red/green)	○
Disabled 3rd/4th gear	○
Engine — Euro V emissions	○
Enhanced technology, including load weighing	○
Exhaust brake	○
Fire extinguisher (handheld)	○
Fire suppression — checkfire	○
Fire suppression — manual	○
High altitude package	○
Proximity detection interface	○
Radial tires	○
Radio remote control interface	○
Radio remote control system	○
Recovery hook with brake release	○
Reverse alarm	○
Reverse lights	○
Ride control	○
Strobe light (amber/white/blue)	○
Tire pressure monitoring system (TPMS)	○
Wheel chocks	○
Wiggins quick fuel fill	○

Further equipment on request

- standard equipment
- optional equipment

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