

WX04B



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

	Capacities	
Haulage capacity	4 000 kg	8,800 lbs.
Bucket volume	1.9 m ³	2.5 yd ³
Power source	battery electric	

WX04B

Capacities

Tramming capacity	4 000 kg	8,800 lbs.
Hydraulic breakout force, lift	11 361 kg	25,047 lbs.
Hydraulic breakout force, tilt	9 189 kg	20,258 lbs.
SAE breakout force	10 165 kg	22,410 lbs.
SAE static tipping load	18 370 kg	40,499 lbs.
Standard bucket volume	1.9 m ³	2.5 yd ³

Weights

Operating weight	17 500 kg	38,600 lbs.
Total loaded weight	21 500 kg	47,400 lbs.

Axle weight without load

Front axle	6 255 kg	13,800 lbs.
Rear axle	11 245 kg	24,800 lbs.

Axle weight with load

Front axle	12 655 kg	27,900 lbs.
Rear axle	8 845 kg	19,500 lbs.

Driving speeds loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
	27.1	27.1	23	19.8	18.0	12.8

Driving speeds unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
	27.1	27.1	25.1	23	21.5	16.3

Bucket motion times (+/- 1 s)

Dump time	1.7 s
Rollback time (from dumped)	3.1 s
Raising time	3.6 s
Lowering time	2.7 s

Battery swap motion times (+/- 1 s)

Battery lift time	10 s
Battery lowering time	7 s
Battery lock/unlock time	3 s

Articulation motion times (+/- 1 s)

Turning time, right	2.7 s
Turning time, left	3.4 s

Low voltage electrical equipment

System operating voltage	24V
Batteries	2 x 12V
Driving and working lights	2 forward/3 rear

Control system

Digital vehicle control system — CANbus	Multicolor touch display
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Structural

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

Powertrain

Motors	
Traction	177 kW continuous
Auxillary	170 kW continuous
Transmission	
Forward/reverse speeds	High/low range drop box 2 forward/2 reverse
Axles	
Front and rear	Dana 14D
Differentials, front	Limited slip
Differentials, rear	No spin
Brakes	Electric motor regen + SAHR brakes
Rear axle oscillation angle	±5 deg
Tires	12.00 X 24 BIAS L5S*

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

Battery

Chemistry	Li-ion NMC
Nominal voltage	660V
Capacity	165 kW
Number of modules	6 per battery + 1 tramming
Cell monitoring	Onboard BMS
Cell cooling	Liquid
Thermal management	Integrated passive BTMS
Ambient operating temperature	-20°C to 46°C
Charging interface	CCS2
Charge source	External charger
Charge time	< 2 hours
Battery change	Ground level, self swap

Operator's compartment

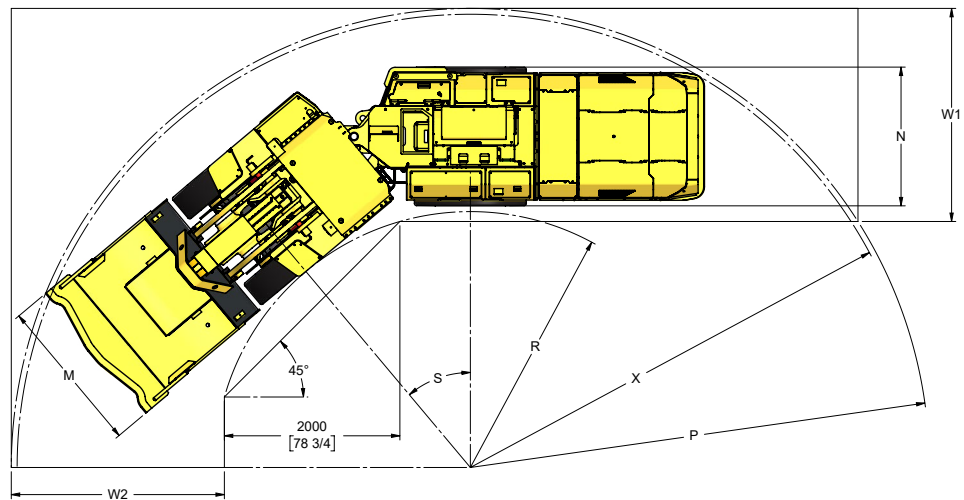
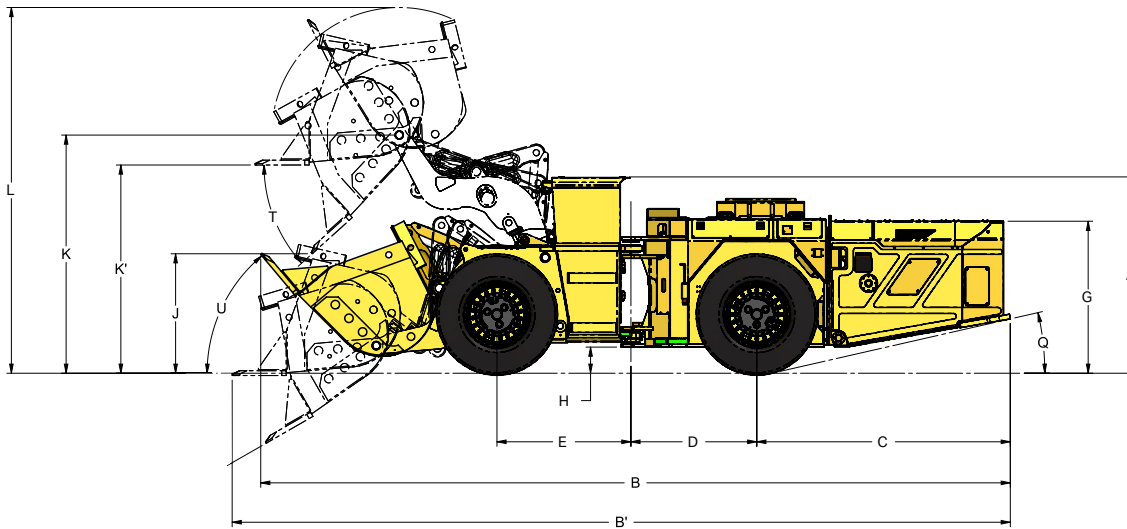
Open canopy cabin (standard)	Open canopy
	ROPS — Certification ISO 3471
	FOPS — Certification ISO 3449
	No high pressure hoses
Enclosed cabin (optional)	Adjustable height suspension seat, fore and aft
	Adjustable armrests
	Climate controlled air conditioner
Enclosed cabin (optional)	Cabin air pressurizer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

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.	
Bucket/boom control	Single, 2-axis proportional electric joystick
Steering control	Single, 1-axis proportional electric joystick
Bucket dump cylinder	One cylinder, double acting, single stage, Z-link
Boom hoist cylinder	Two cylinders, double acting, single stage
Steer cylinder	One cylinder, double acting, single stage
Hydraulic tank volume	131 L 34.6 US gal

Brake system

Service brakes are enclosed spring-applied, hydraulically released, liquid cooled multi-disc 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.



Overall dimensions

A	Height - top of canopy	2 066 mm	81 in
B	Length - tramming	7 888 mm	311 in
B'	Length - overall	8 188 mm	322 in
C	Length - rear axle to bumper	2 667 mm	105 in
D	Length - rear axle to articulation	1 325 mm	52 in
E	Length - front axle to articulation	1 410 mm	56 in
G	Height - top of hood	1 600 mm	63 in
H	Height - ground clearance	275 mm	11 in
J	Height - dump clearance	1 261 mm	50 in
K	Height - bucket pin	2 506 mm	99 in
K'	Height - bucket lip	2 191 mm	86 in

L	Height - bucket raised	3 849 mm	152 in
M	Width - overall	1 778 mm	70 in
N	Width - rear frame	1 581 mm	62 in
P	Turning radius - outside	5 231 mm	206 in
R	Turning radius - inside	2 916 mm	115 in
W	Clearance	2 428 mm	96 in
Q	Departure angle	13 degrees	
S	Turn angle	40 degrees	
T	Dump angle	42 degrees	
U	Rollback angle	50 degrees	

Buckets

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

Standard	1.9 m ³	2.5 yd ³
Optional	2.2 m ³	2.9 yd ³
Ejector	1.4 m ³	1.8 yd ³
Quick attach bucket	1.7 m ³	2.2 yd ³
Quick attach forks		
Quick attach masterhitch		

Standard and optional equipment

3-point contact	●
Boom and steer interlock with parking brake	●
Brake release pump for towing	●
Centralized chassis lubrication	●
Door switch	●
Ground level battery change system	●
Hydraulic fill pump - electric	●
Mechanical boom locks	●
Mechanical steering lock	●
No hydraulic hoses in the cab	●
Red taillights	●
Robust HMI screen	●
ROPS/FOPS cabin	●
Seat belt switch	●

Automatic lubrication	○
Camera (rear-facing)	○
Collision avoidance interface	○
Datalogging and telemetry	○
Direction lights (red/green)	○
Enclosed cabin	○
Cabin air conditioner	○
Cabin heater	○
Fire extinguisher (hand-held)	○
Fire suppression — checkfire	○
Fire suppression — manual	○
Radio remote control interface	○
Radio remote control system	○
Recovery hook with brake release	○
Reverse alarm	○
Reverse lights	○
Speed limiter	○
Strobe light (amber/white/blue)	○
Tire pressure monitoring system (TPMS)	○
Wheel chocks	○

- Standard equipment
- Optional equipment

Maximize the performance of your WX04B LHD by pairing it with Komatsu's high-efficiency battery charger



Rated power output	150 kW
Charging standard	CCS2
Input voltage	480VAC-600VAC / 1000 VAC, 49-61 Hz
Output voltage	300VDC-920VDC
Dimensions	1411 mm x 1236 mm x 842 mm (W x H x D)
Approx weight	1 100 kg
Operating temperature	-20°C to 55°C
Ingress protection	IP54
Interface	Network-ready-internal CAN communication for screen with diagnostics

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