

WX10LP Low-profile LHD



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

Capacities

Tramming capacity	10 000 kg
Bucket volume	5.0 m ³
Operating weight	28 058 kg

Engine

Engine rated power	209 kW
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WX10LP

Capacities

Tramming capacity	10 000 kg
Hydraulic breakout force, lift	20 182 kg
Hydraulic breakout force, tilt	17 329 kg
SAE breakout force	17 329 kg
SAE static tipping load	11 091 kg
Standard bucket volume	5.0 m ³

Weights

Operating weight	28 058 kg
Total loaded weight	38 058 kg

Axle weight without load

Front axle	14 518 kg
Rear axle	13 540 kg

Axle weight with load

Front axle	30 478 kg
Rear axle	7 580 kg

Driving speeds: unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	4.7	4.2	4.1	4.0	4.0	3.8
2nd gear	10.2	8.7	8.3	7.7	7.5	6.1
3rd gear	17.9	14.2	11.5	9.2	8.2	3.4
4th gear	26.7	17.7	6.0			

Driving speeds: loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	4.7	4.1	4.0	3.9	3.9	3.6
2nd gear	9.2	8.4	7.4	6.6	6.1	4.2
3rd gear	16.1	12.6	7.1	5.3	3.4	
4th gear	26.3	11.8				

Bucket motion times (+/- 1 s)

Dump time	2.8 s
Raising time	6.5 s
Lowering time	5.0 s

Articulation motion times (+/- 1 s)

Turning time, right	5.7 s
Turning time, left	5.7 s

Electrical equipment

Alternator	24VDC, 80A
Batteries	2 x 12V, 145Ah
Starter	7.8 kW, 24V heavy duty
Driving and working lights	5 forward, 6 rear - LED type

Control system

Symbols, critical alarms and warning lights on display. Audible and visible alarms.	
Instrument panel	Digital display
	Illuminated buttons
	Camera display

Structural

Front and rear frames	Welded steel construction, modular design
Material	S355JR

Powertrain

Engine	Cummins QSL9
Output	209 kW @ 2000 RPM
Displacement	9 L
No. of cylinders	6
Cooling type	Liquid-cooled
Certification	EPA Tier 3/EU Stage IIIA
Exhaust system	DOC, silencer and fume diluter
Fuel tank capacity	350 L
Torque converter	Integrated into transmission
Transmission	Dana R36000
Shifting	Powershift, manual hydrodynamic
Forward/reverse speeds	4 forward/4 reverse
Axles	Kessler
Front and rear	D102
Differentials, front	Limited slip
Differentials, rear	Limited slip
Brakes	Multi-disc spring brake SAHR, hydraulic actuated, externally cooled
Rear axle oscillation angle	6 degrees ±1 degree
Tires	18.00-25, bias, 20 ply, slick tires, L-5s

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

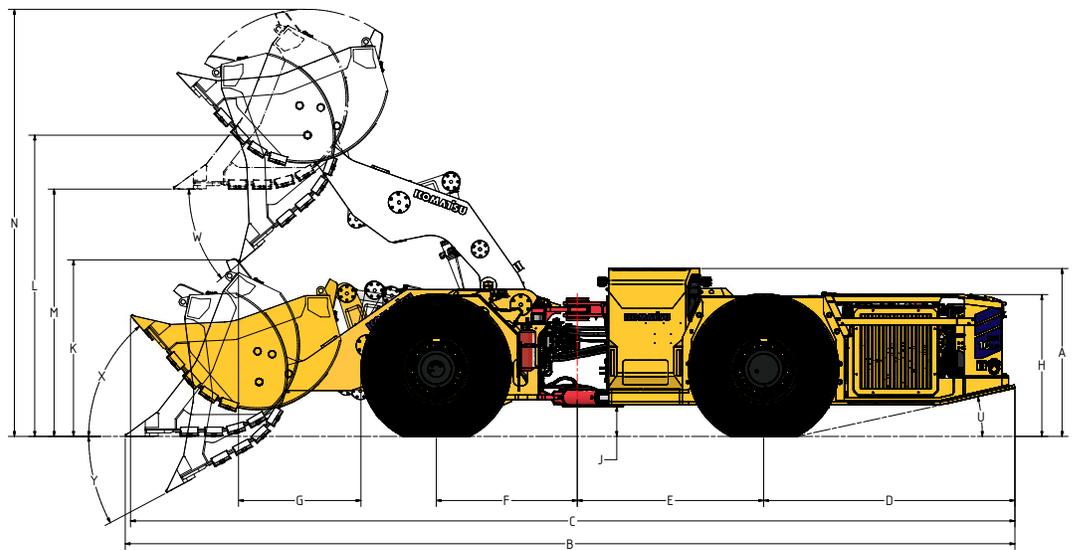
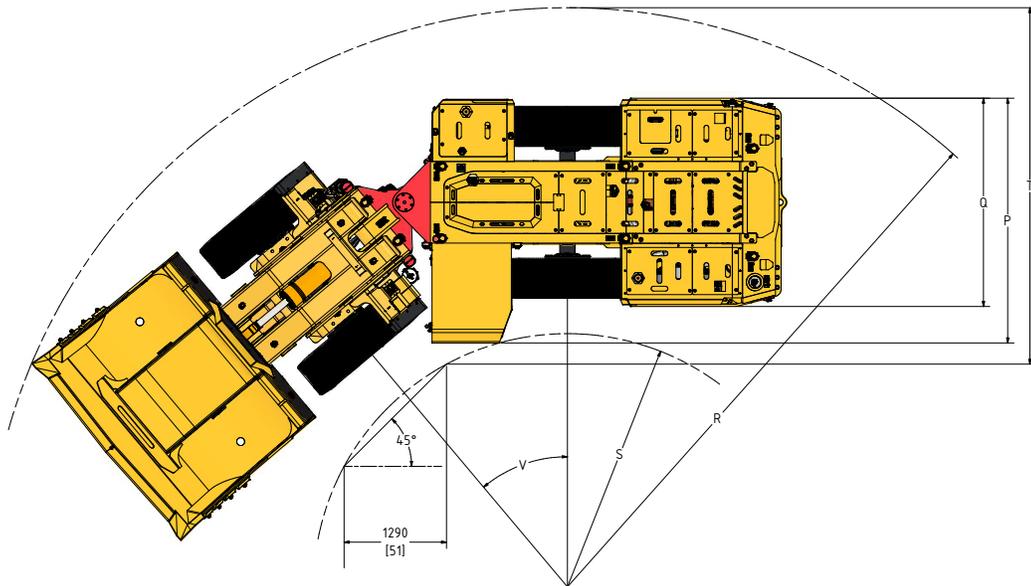
Hydraulics

Variable displacement pumps with a preproportional closed center dump and hoist valve. Oil flow from the steering pump is prioritized to improve cycle time. Steering is articulated and achieved with separate preproportional closed centre steering valve.

Bucket/boom control	One double axis electric joystick
Steering control	One single axis electric joystick
Bucket dump cylinder	One single stage, double acting cylinder with rod guard
Boom hoist cylinder	Two single stage, double acting cylinders
Steer cylinder	Two single stage, double acting cylinders
Hydraulic tank volume	285 L

Brake system

Service brakes are spring-applied, hydraulically released, wet multi-disc brakes on all four wheel ends. The SAHR brakes also function as emergency and parking brakes.



Overall dimensions

A	Height - top of canopy	1 850 mm
B	Length - overall	9 781 mm
C	Length - tramming	9 723 mm
D	Length - rear axle to bumper	2 762 mm
E	Length - rear axle to articulation	2 050 mm
F	Length - front axle to articulation	1 550 mm
G	Length - reach	1 346 mm
H	Height - top of hood	1 565 mm
J	Height - ground clearance	330 mm
K	Height - dump clearance	1 945 mm
L	Height - bucket pin	3 320 mm
M	Height - bucket lip	2 725 mm

N	Height - bucket raised	4 680 mm
P	Width - overall	3 090 mm
Q	Width - rear frame	2 630 mm
R	Turning radius - outside	7 310 mm
S	Turning radius - inside	3 200 mm
T	Clearance	4 000 mm
U	Departure angle	13 degrees
V	Turn angle	40 degrees
W	Dump angle	40 degrees
X	Rollback angle	49 degrees
Y	Dig angle	28 degrees

Standard and optional equipment

Operator's compartment	●
Adjustable seat, forward, backward, height and suspension	●
Door/seatbelt interlock (applies brakes, block steering)	●
Open cabin with emergency exit	●
Adjustable joystick controls	●
Comfortable base mounted brake and accelerator pedals	●
Fabricated instrument cluster with digital display	●
Ergonomic footbox with expanded legroom	●
FOPS certification according to EN ISO 3449	●
ROPS certification according to EN ISO 3471	●
Electrical gearing and mechanical brake mechanism	●
Three-point contact cabin access system	●
5.0 m ³ bucket with hardened plate lip	●
24V analogue and Canbus hybrid control system	●
Articulation and boom safety lockout pins	●
Electronic engine protection with diagnostic display and plug	●
LCD screen with illuminated buttons	●
Condition monitoring software system	●
Battery and starter isolator	●
Separate brake flushing and cooling	●
Back-up alarm/reverse siren	●
Cameras (back up and blind side facing)	●
Cabin door brake and steering interlock	●
Adjustable joysticks	●
Emergency stop button in cabin	●
Certified ROPS/FOPS open cabin	●
Front and rear directional working lighting	●
DOC, silencer and fume diluter	●
Ground level service points	●
Fuel, hydraulic and brake oil quick filling	●
Manual and centralized greasing points	●
PDS interface wiring	●
Portable fire extinguisher - 9 kg	●
Exhaust outlet insulation wrap	●
Centralized test points	●
Transmission, working hydraulics and up-box cooling	●
Swing out secondary cooler and radiator fans	●
Three-piece rims	●
Pinch bar and wheel spanner holders	●
Piston accumulators	●
PSD air filter with blockage indicator	●
Piston pumps with preproportional hydraulic control	●
Power-on beacon/strobe light	●
EMR electronic engine control	●
ORFS and SAE hydraulic fittings	●

Closed glass cabin	○
Air condition system, heating and cooling	○
Articulation barriers	○
Automatic greasing system via hydraulic steering	○
Automatic or manual fire suppression	○
Aux jump start receptacle	○
Cabin air blower	○
Cabin rock guards	○
Double wall insulated DPF exhaust system	○
Limited slip differentials	○
PDS level 9 system	○
Rear emergency stop	○
Red and green front and rear navigation lights	○
Brake lights	○
Spare wheel	○
Tire-foam filling	○
Turbo heat shield	○
Exhaust blanket	○
Wheel chocks	○
Red, green and yellow reflective tape	○
Radio remote control system	○
Emergency steering	○
Tire pressure monitoring (TPMS)	○
Cap lamp, rescue pack and document holder	○
Ride control	○

- standard equipment
- optional equipment

Bucket options

- Hardened manganese lips
- Ground engagement tools

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