

WX06LP

Low-profile LHD



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

Capacities

Tramming capacity	6 000 kg
Bucket volume	2.2 m ³
Operating weight	18 839 kg

Engine

Engine rated power	88 kW
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Capacities

Tramming capacity	6 000 kg
Hydraulic breakout force, lift	5 586 kg
Hydraulic breakout force, tilt	11 427 kg
SAE breakout force	11 427 kg
SAE static tipping load	7 278 kg
Standard bucket volume	2.2 m ³

Weights

Operating weight	18 839 kg
Total loaded weight	24 839 kg

Axle weight without load

Front axle	8 642 kg
Rear axle	10 197 kg

Axle weight with load

Front axle	18 705 kg
Rear axle	6 134 kg

Driving speeds: unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	3.5	3.4	3.2	3.2	3.1	2.9
2nd gear	7.3	6.8	6.0	5.6	5.3	4.4
3rd gear	19.5	12.4	5.1	1.4		
4th gear						

Driving speeds: loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	3.5	3.4	3.1	3.0	2.9	2.7
2nd gear	7.3	6.5	5.4	4.9	4.5	3.2
3rd gear	18.8	10.6	2.3			
4th gear						

Bucket motion times (+/- 1 s)

Dump time	4.2 s
Raising time	3.1 s
Lowering time	2.1 s

Articulation motion times (+/- 1 s)

Turning time, right	5.3 s
Turning time, left	5.3 s

Electrical equipment

Alternator	24VDC, 120A
Batteries	2 x 12V, 105Ah
Starter	4 kW, 24V heavy-duty
Driving and working lights	8 forward, 6 rear - LED type

Control system

Symbols, critical alarms and warning lights on display. Audible and visible alarms.	
Instrument panel	Analogue relay logic 24V with LED lights
Optional	CANBUS (B&R and IFM)

Structural

Front and rear frames	Welded steel construction
Material	S355JR

Powertrain

Engine	Deutz BF6L914F
Output	88 kW @ 2300 RPM
Displacement	6.5 L
No. of cylinders	6
Cooling type	Air-cooled
Certification	EPA Tier 2/EU Stage II
Exhaust system	DOC, silencer and fume diluter
Fuel tank capacity	200 L
Torque converter	Dana C272
Transmission	Dana RT20000, modulation
Shifting	Powershift, manual hydrodynamic
Forward/reverse speeds	3 forward/3 reverse
Axles	Kessler
Front and rear	D81
Differentials, front	Open
Differentials, rear	No-spin
Brakes	Multi-disc spring brake SAHR, hydraulic actuated, externally cooled
Rear axle oscillation angle	8 degrees ±1 degree
Tires	14.00 - 24, bias, 20 ply, slick tires, L-5s

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

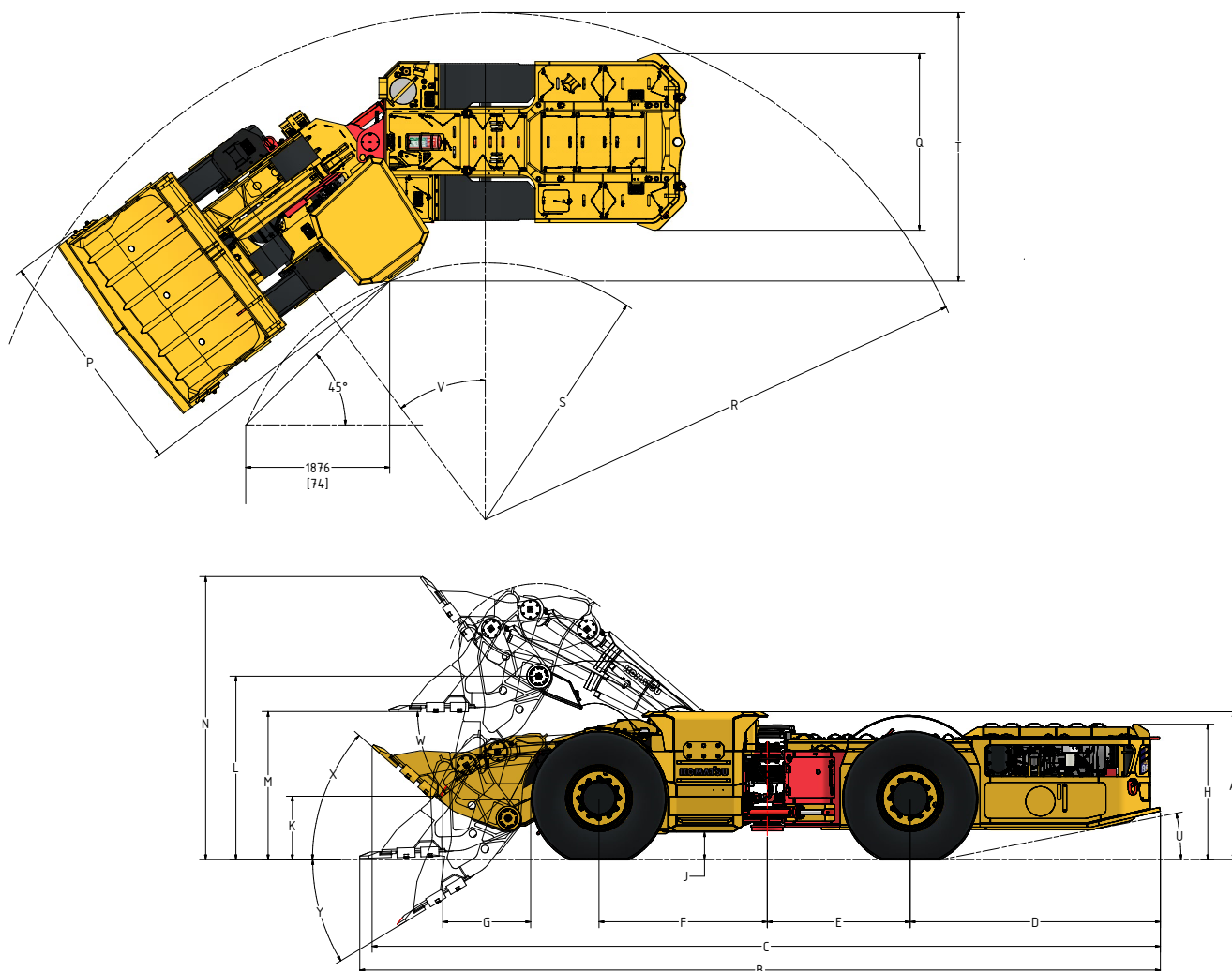
Hydraulics

Fixed displacement gear pumps with an open center dump and hoist valve. Oil flow from the steering pump is prioritized to improve cycle time. Steering is articulated and achieved with orbitrol steering valve.

Bucket/boom control	Manual hydraulic lever control
Steering control	Orbitrol hydraulic steering valve
Bucket dump cylinder	One single stage, double acting cylinder with rod guard
Boom hoist cylinder	One single stage, double acting cylinder
Steer cylinder	Two single stage, double acting cylinders
Hydraulic tank volume	185 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	1 550 mm
B	Length - overall	9 379 mm
C	Length - tramming	8 275 mm
D	Length - rear axle to bumper	2 627 mm
E	Length - rear axle to articulation	1 500 mm
F	Length - front axle to articulation	1 771 mm
G	Length - reach	938 mm
H	Height - top of hood	1 422 mm
J	Height - ground clearance	291 mm
K	Height - dump clearance	660 mm
L	Height - bucket pin	1 927 mm
M	Height - bucket lip	1 555 mm

N	Height - bucket raised	2 972 mm
P	Width - overall	2 996 mm
Q	Width - rear frame	2 300 mm
R	Turning radius - outside	6 641 mm
S	Turning radius - inside	3 329 mm
T	Clearance	3 500 mm
U	Departure angle	13 degrees
V	Turn angle	42 degrees
W	Dump angle	38 degrees
X	Rollback angle	41 degrees
Y	Dig angle	31 degrees

Standard and optional equipment

Operator's compartment	
Comfortable T-back seat with two-point seatbelt	●
Door/seatbelt interlock (applies brakes, block steering)	●
Open cabin with emergency exit	●
Manual multifunction control levers	●
Comfortable base-mounted brake and accelerator pedals	●
Fabricated instrument cluster	●
Ergonomic footbox with expanded legroom	●
FOPS certification according to EN ISO 3449	●
ROPS certification according to EN ISO 3471	●
Mechanical gearing and brake mechanism	●
Open door retainer	●
No hydraulic hoses in the cabin	●
Replaceable canopy	●
Armrests on the door and fender	●
2.2 m ³ bucket with hardened plate lip	●
24V analogue control system	●
Articulation and boom safety lockout pins	●
Engine protection, belt, temperature and pressure	●
Separate brake flushing and cooling	●
Back-up alarm/reverse siren	●
Cabin door brake and steering interlock	●
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 cooling	●
Two-piece rims	●
Pinch bar and wheel spanner holders	●
Piston accumulators	●
PSD air filter with blockage indicator	●
Gear pumps with mechanical hydraulic control	●
Power-on beacon/strobe light	●
Mechanical engine control	●
JIC and SAE hydraulic fittings	●

17.50-25, bias, 20 ply, slick tires, L-5s	○
Air ride suspension seat	○
Articulation barriers	○
Automatic greasing system via hydraulic steering	○
Automatic or manual fire suppression	○
Aux jump start receptacle	○
Back-up camera	○
Cabin air blower	○
Cabin rock guards	○
Condition monitoring software system	○
Double wall insulated DPF exhaust system	○
Joystick operated dump and hoist valve with piston pump	○
LCD screen	○
Limited slip differentials	○
PDS level 9 system	○
Diaphragm accumulators	○
Rear emergency stop	○
Red and green front and rear navigation lights	○
Brake lights	○
Sentinel engine protection	○
Spare wheel	○
Tire-foam filling	○
Turbo heat shield	○
Exhaust blanket	○
Wheel chocks	○
Red, green and yellow reflective tape	○
EMR electronic engine control	○

● standard equipment

○ optional equipment

Bucket options

3.2 m ³ bucket with plate lip
Hardened manganese lips
Ground engagement tools

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