

WX15 Underground LHD



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

Capacities

Payload	15 000 kg	33,000 lbs.
Bucket volume	7 m ³	9.16 yd ³
Operating weight	41 500 kg	91,300 lbs.

Engine options

EPA Tier 3/EU Stage IIIA (standard)	280 kW	375 HP
EPA Tier 4F/EU Stage V (optional)	280 kW	375 HP

Capacities

Tramming capacity	15 000 kg	33,000 lbs.
Hydraulic breakout force, lift	26 512 kg	58,326 lbs.
Hydraulic breakout force, tilt	22 230 kg	48,906 lbs.
SAE static tipping load	26 141 kg	57,510 lbs.
Standard bucket volume	7 m ³	9.16 yd ³

Weights

Operating weight	41 500 kg	91,300 lbs.
Total loaded weight	56 500 kg	124,300 lbs.

Axle weight without load

Front axle	17 880 kg	39,336 lbs.
Rear axle	23 620 kg	51,964 lbs.

Axle weight with load

Front axle	40 750 kg	89,650 lbs.
Rear axle	15 750 kg	34,650 lbs.

Driving speeds unloaded (km/h)

Grade (%)	0	5	10	12.5	15	20
1st gear	4.5	4.4	4.4	4.3	4.3	4.2
2nd gear	9.3	9.2	8.9	8.8	8.6	8.3
3rd gear	15.6	15.1	14.4	12	7.1	4
4th gear	28.4	25.2	7			

Driving speeds loaded (km/h)

Grade (%)	0	5	10	12.5	15	20
1st gear	4.4	4.4	4.3	4.3	4.3	4.2
2nd gear	9.3	9.1	8.8	8.6	8	4
3rd gear	15.5	14.8	9.6	5.5	4.2	
4th gear	28.2	25.3				

Bucket motion times (+/- 1 s)

Dump time	2.2 s
Raising time	7 s
Lowering time	4.2 s

Control system

User interface	Multicolor touchscreen
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Electrical equipment

Voltage	24V
Alternator	110A
Batteries	2 x 12V/68Ah

Reverse alarm

Lights

Front lights	4 + light bar on boom
Rear lights	3
Flashing beacon	1

Powertrain

Engine (standard)	Mercedes OM470	
Output	280 kW (375 HP) @ 1,900 rpm	
Exhaust system	Diesel oxidation catalyst (DOC) Tier 3	
Certification	EPA Tier 3 / EU Stage IIIA	
Engine (optional)	Mercedes OM470	
Output	280 kW (375 HP) @ 1,900 rpm	
Exhaust system	DPF and SCR	
Certification	EPA Tier 4F/EU Stage V	
Cooling type	Liquid	
Fuel tank capacity	410 L	108 US gal
Transmission	Dana TE32	
Shifting	Electric	
Gears	4 forward/4 reverse	
	Lockup torque converter	
Upbox	Rogelberg	
Axles		
Front and rear	Kessler D106	
Differentials, front and rear	Limited slip	
Brakes	Spring apply, hydraulic release on wheel ends	
Oscillation	+/- 8°	
Tires	26.5 x 25 L5S	

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

Hydraulics

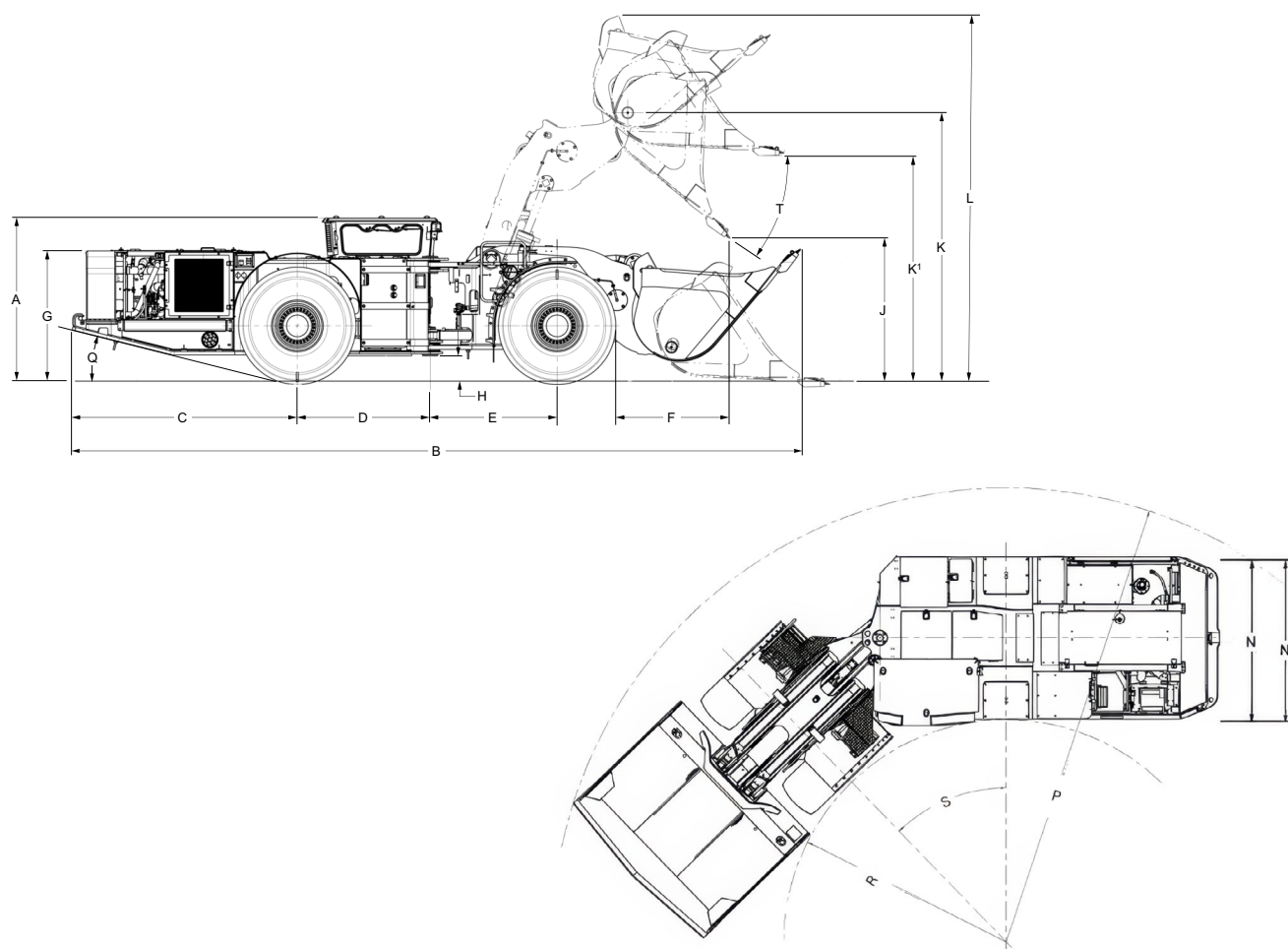
Variable displacement piston pumps with load sensing closed center circuit design for optimal efficiency. Steering function has priority over working hydraulics. Optional electric transfer pump for tank filling

Steering control	Single electric joystick
Bucket/boom control	Single electric joystick
Hoist cylinders	Two cylinders, single stage
Dump cylinder	One cylinder, single stage
Steer cylinders	Two cylinders, single stage
Hydraulic tank volume	340 L 89.8 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 electric power

Brake cooling tank volume	75 L	20 US gal
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Overall dimensions

A	Height - top of canopy	2 477 mm	97.5 in
C	Length - rear axle to bumper	3 426 mm	134.9 in
D	Length - rear axle to articulation	2 020 mm	79.5 in
E	Length - front axle to articulation	1 930 mm	76 in
G	Height - top of hood	1 978 mm	77.9 in
H	Height - ground clearance	384 mm	15.1 in

K	Height - bucket pin	4 077 mm	160.5 in
N	Width - rear frame (less bucket/cabin)	2 600 mm	102.4 in
N'	Width - rear frame (less bucket)	2 700 mm	106.3 in
Q	Departure angle	14 degrees	
S	Turn angle	14 degrees	
T	Dump angle	38 degrees	

Bucket volume		9 m ³	11.7 yd ³	7 m ³	9.1 yd ³	5.4 m ³	7.02 yd ³
M	Width - bucket	3 300 mm	129.9 in	3 000 mm	118.1 in	2 800 mm	110.2 in
B	Length - tramming	11 211 mm	441.4 in	10 940 mm	430.7 in	10 912 mm	429.6 in
F	Length - reach	1 768 mm	69.6 in	1 605 mm	63.2 in	1 602 mm	63.1 in
J	Height - dump clearance	2 157 mm	84.9 in	2 301 mm	90.6 in	2 329 mm	91.7 in
K'	Height - bucket lip	3 567 mm	140.4 in	3 567 mm	140.4 in	3 516 mm	138.4 in
L	Height - bucket raised	5 883 mm	231.6 in	5 705 mm	224.6 in	5 555 mm	218.7 in
P	Turning radius - outside (right turn)	7 475 mm	294.3 in	7 273 mm	286.3 in	7 193 mm	283.2 in
R	Turning radius - inside (right turn)	3 436 mm	135.3 in	3 570 mm	140.6 in	3 570 mm	140.6 in
P	Turning radius - outside (left turn)	7 473 mm	294.2 in	7 273 mm	286.3 in	7 198 mm	283.4 in
R	Turning radius - inside (left turn)	3 435 mm	135.2 in	3 560 mm	140.2 in	3 560 mm	140.2 in

Standard and optional equipment

Operators cabin	●
ROPS — Certification ISO 3471	●
FOPS — Certification ISO 3449	●
Air conditioner	●
Cabin heating	●
Adjustable joysticks	●
Illuminated 3-pt access	●
Touch display	●
Air suspension seat — adjustable height, fore & aft	●
12V output	●
Inclinometers	●
Noise suppression	●
Emergency exit window	●
Window wipers & washers x3	●
No high pressure hoses	●
Lockable main switch	●
Emergency stop button (2)	●
Reverse alarm	●
Centralized manual lubrication	●
Frame articulation lock	●
Boom maintenance lock	●
Electric brake release pump	●
Heat insulation on exhaust	●
Door interlock	●
Wheel chocks	●
Fire extinguisher	●
Narrow cabin	●

Emergency steering	○
Wiggins fast fuel	○
Payload weigh system w/ load indication light	○
Automatic central lubrication	○
Electric hydraulic tank fill pump	○
Tire pressure monitoring system	○
Spare rim	○
Fire suppression — manual	○
Fire suppression — automatic	○
CE certification	○
Remote monitoring	○
Rear view camera	○
Bucket shaker	○
Ride control	○
Collision avoidance system	○
Disassembly for shaft transport	○
Corrosion protection kit	○
Brake release tow hook	○
Wide cabin	○
Audio media player	○
Radio remote control	○
RFID machine access	○
Side view camera	○
Fluid level & temperature interlocks	○
Folding handrails	○

- standard equipment
- optional equipment

Features

Bucket		
Standard	7.0 m ³	9.16 yd ³
Options	5.4 m ³	7.0 yd ³
	9.0 m ³	11.7 yd ³
	10.0 m ³	13.0 yd ³

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