



# WX14LPE

Tethered electric low-profile LHD



Safety



Reliability



Productivity



Indicative illustration only — machine design will vary.

### Capacities

Tramming capacity	14 000 kg
Bucket volume	9.7 m <sup>3</sup>
Operating weight	46 916 kg

### Motors

Continuous power traction motor	172 kW
Peak power traction motor	450 kW
Continuous power auxillary motor	145 kW
Peak power auxillary motor	200 kW

## Specifications

### Capacities

Tramming capacity	14 000 kg
Hydraulic breakout force, lift	200 kN
Hydraulic breakout force, tilt	200 kN
Tractive effort	320 kN
Maximum admissible gradient	28%
Standard bucket volume	9.6 m <sup>3</sup>

### Weights

Operating weight	46 916 kg
Total loaded weight	60 916 kg
<b>Axle weight without load</b>	
Front axle	21 290 kg
Rear axle	25 626 kg
<b>Axle weight with load</b>	
Front axle	40 796 kg
Rear axle	20 210 kg

### Driving speeds: unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
Direct electric drive	16	7.9	4.9	4	3.6	2.8

### Driving speeds: loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
Direct electric drive	16	10	6.3	5.4	4.7	3.6

### Bucket motion times (+/- 1 s)

Dump time	5.2 s
Raising time	6.8 s
Lowering time	4.6 s

### Articulation motion times (+/- 1 s)

Turning time: right	3.0 s
Turning time: left	3.0 s

### Cable

Cable length	330.0 m
Cable diameter	51.8 mm

### Control system

Symbols, critical alarms and warning lights on display. Audible and visible alarms.

Instrument panel	Digital 12" touch display Illuminated buttons Camera display
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### Operator's compartment

Adjustable seat, forward, backward, height incl. air suspension  
Door interlock (applies brakes, block steering)  
Closed cabin with air conditioning and emergency exit  
Three-point contact cabin access system  
Hydraulic turning seat: 21° right, 23° left  
Windows with Hammer glass protection (35mm polycarbonate material)  
Intuitive three pedal control  
Hydraulic position-adjustable foot pedals

### Structural

Front and rear frames	Welded steel construction , modular design
Material	S 355J2 / S690

### Powertrain

High voltage	1000.0 V
Transmission	Electric drive
<b>Axles</b>	Kessler
Front and rear	D106
Differentials, front	Open
Differentials, rear	Open
Brakes	Externally cooled, multi-disc, spring- applied hydraulic release (SAHR) brakes
Rear axle oscillation angle	+/- 8 degrees
Tires	26.5R29 *

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

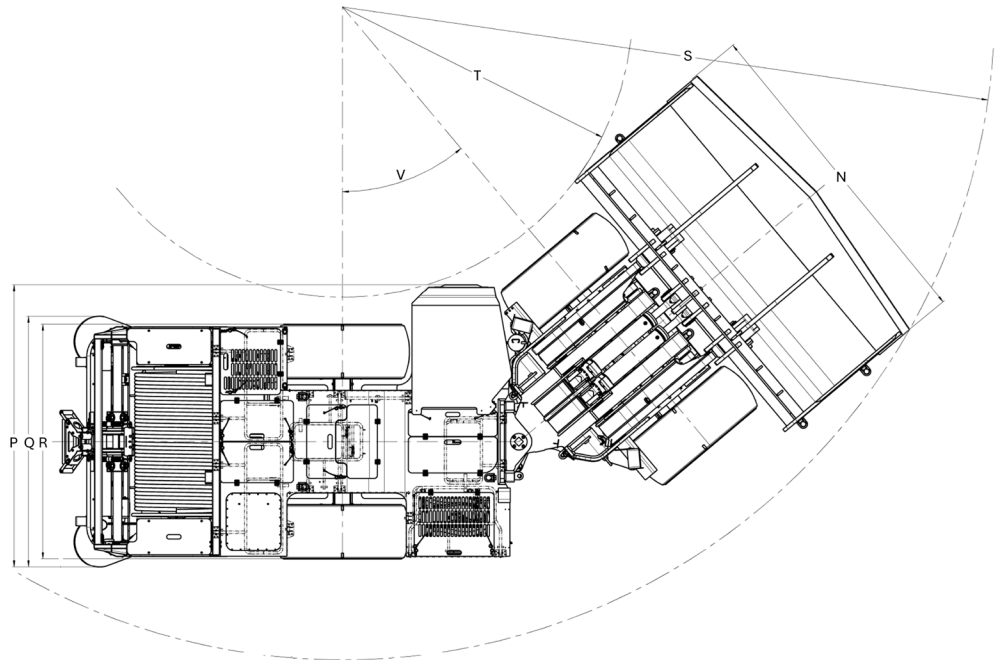
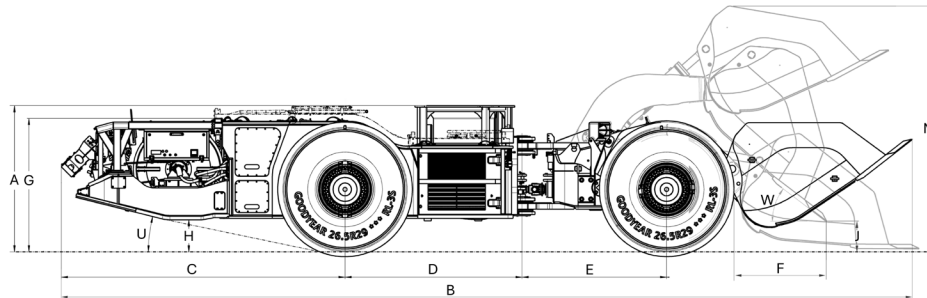
### Hydraulics

System design	Working hydraulics with variable displacement piston pump with load sensing closed center circuit design for optimal efficiency, steering has priority over working hydraulics.
Bucket/boom control	Electric joystick controlled
Steering control	Electric joystick controlled
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	600 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.

## Dimensions



### Overall dimensions

A	Height - top of canopy	2 023 mm
B	Length - tramming	11 771 mm
C	Length - rear axle to cable intake	3 926 mm
D	Length - rear axle to articulation	2 450 mm
E	Length - front axle to articulation	2 000 mm
F	Length - reach	1 274 mm
G	Height - top of hood	1 847 mm
H	Height - ground clearance	443 mm
J	Height - dump clearance	424 mm
M	Height - bucket raised	3 387 mm

N	Width bucket	4 590 mm
P	Width - rear frame	3 915 mm
Q	Width - rear frame (less cabin)	3 480 mm
R	Width - rear frame (less cabin and wings)	3 257 mm
S	Turning radius - outside	9 059 mm
T	Turning radius - inside	4 031 mm
U	Departure angle	14 degrees
V	Turn angle	40 degrees
W	Dump angle	37 degrees
X	Dig angle	24 degrees

# Standard and optional equipment

## Operator environment

Turning seat including air suspension	●
Intuitive three pedal control	●
Three-point contact cabin access	●
12" touch display	●
Closed cabin - includes special protection polycarbonate windows	●
Air conditioning system	○

## Work environment

Wings	●
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## Hydraulic system

Reversing fans	●
E02 hydraulic fittings	●

## Electrical system

Battery main switch	●
RFID machine access	○

## Safety & Compliance

Articulation and boom safety lockout pins	●
Cabin door brake and steering interlock	●
Operator brake test	●
Emergency stop push buttons according to EN ISO 13850	●
Rotating beacon (via direction lights)	●
Rear view camera with monitor	○
Side view camera with monitor	○
Automatic or manual fire suppression	○

## Maintenance & Serviceability

Electric brake release pump	●
Automated central lubrication	○
Spare wheel or rim	○

## Technology & Automation

Remote monitoring	○
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Standard equipment	●
Optional equipment	○

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