



SLP-6

Main Features

- Super low vehicle height of 1 550 mm
- Top of the class loading performance
- ROPS / FOPS certified canopy
- Extremely robust frame and system design resulting in lowest operating cost
- Customized buckets optimized for hard rock applications available
- Super low profile T-link design ensures high breakout force with a steep tipping angle
- Extended canopy for improved visibility and ergonomics
- Load sensing hydraulics for lower oil temperatures and higher energy efficiency
- PDS (Personnel Detection System) interface



MAIN DIMENSIONS

Length (tramming position)	7 909 mm
Length (loading position)	8 039 mm
Width (at cabin)	2 958 mm
Width (at drive unit)	1 960 mm
Width (at bucket)	2 662 mm
Height, laden (above drive unit)	1 353 mm
Height, laden (above driver's canopy)	1 450 mm
Max. tipping height	586 mm
Bucket capacity (SAE heaped/SG Specific)	3.15m ³

* technical specifications based on air cooled configuration with 3.15m³ bucket

ENGINE

Manufacturer	Deutz
Type	BF6L914 FW
Design	Air cooled diesel engine
Power	88 kW / 2 300 rpm
Air intake system	Dry air filter
Exhaust system	Silencer and CAT
Starter power / voltage	4.0 kW / 24 V
Alternator current/voltage	35A / 28 V
Emission Standard	EPA Tier 2/EU Stage II

DRIVE TRAIN

Torque Converter	
Manufacturer	Dana
Type	Series 270
Design	Single Stage
Power Shift Transmission	
Manufacturer	Dana
Type	Series RT 20 000, Modulation
Design	Three forward and Reverse

WEIGHTS

Operating weight	19 160 kg
Payload capacity	6 000 kg
Front axle load, empty	8 680 kg
Rear axle load, empty	10 480 kg
Front axle load, loaded	18 280 kg
Rear axle load, loaded	6 880 kg

WHEELS AND TIRES

Front wheels	
Rim size	10.0 x 24
Tire size	14.0 x 24
Tire pressure	7.5 ± 0.1 bar
Rear wheels	
Rim size	10.0 x 24
Tire size	14.0 x 24
Tire pressure	7.5 ± 0.1 bar

BRAKES

Design Service	Multi disk spring brake (SAHR)
Design Parking	Multi disk spring brake (SAHR)

AXLES

Front axle	
Manufacturer	Kessler
Type	D81 P489-NLB (82.4222.3C)
Differential	Open/spin
Rear axle	
Manufacturer	Kessler
Type	D81 P489-NLB (82.4222.3A)
Differential	No-Spin

ELECTRICAL EQUIPMENT

Operating voltage	24 V
Battery	2 x 12 V / 102 Ah
CAS/PDS Interface	Optional

LIGHTING SYSTEM

Headlights - LED Type	4 x 73 W
Reverse lights - LED Type	2 x 73 W
Navigation lights	2 Red, 2 Green

DUMP / HOIST HYDRAULIC SYSTEM

Pump displacement volume	28 + 30.5 cm ³ /rev
System pressure at dump cylinder	210 bar
System pressure at hoist cylinder	210 bar
Number of hoist cylinders	1
Number of dump cylinders	1
Boom raising time	4.8 s
Bucket raising, from dumping position	5.5 s



STEERING HYDRAULIC SYSTEM

Pump displacement volume	28 + 30.5 cm ³ /rev
System pressure	210 bar
Number of steering cylinders	2
Steering time	5.26 s

FILLING VOLUMES

Fuel tank	200 l
Hydraulic tank	183 l
Engine with oil filter	16 l
Torque converter / power shift transmission circuit	23 l
Front axle differential	19 l
Front axle planetary gear	2 x 4.2 l
Rear axle differential	19 l
Rear axle planetary gear	2 x 4.2 l
Brake flushing tank	29 l



TRAMMING CAPACITIES

Max. tramming speed (laden fwd/rev, on level road)	
1st gear	3.5 km/h
2nd gear	7.5 km/h
3rd gear	19.7 km/h
Maximum admissible gradient	28%
Maximum transverse slope	15%
Maximum tractive effort	143 kN
Breakout force	165 kN
Ambient operating temperatures	-20 to +45°C
Standard Operating Altitude (Tier 2 & 3)	-1 500 to + 2 000 m

STEERING CAPACITIES

Design	Hydraulic articulated joystick steering
Steering angle	± 40°
Outer turn radius Right	6 491 ± 200 mm
Inner turn radius Right	3 322 ± 200 mm
Outer turn radius Left	6 457 ± 200 mm
Inner turn radius Left	3 255 ± 200 mm

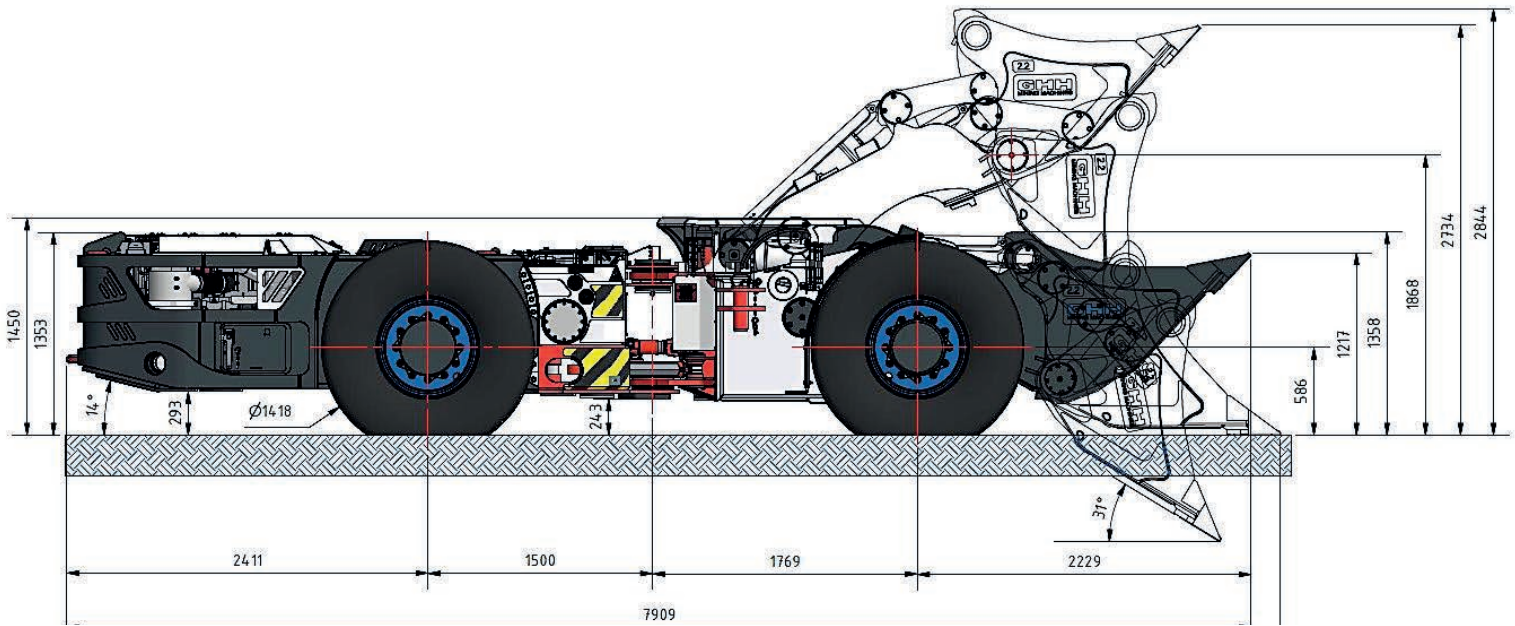
OPTIONS

Fire suppression system manual / auto
Spare rim and tire
Personnel detection system (PDS)

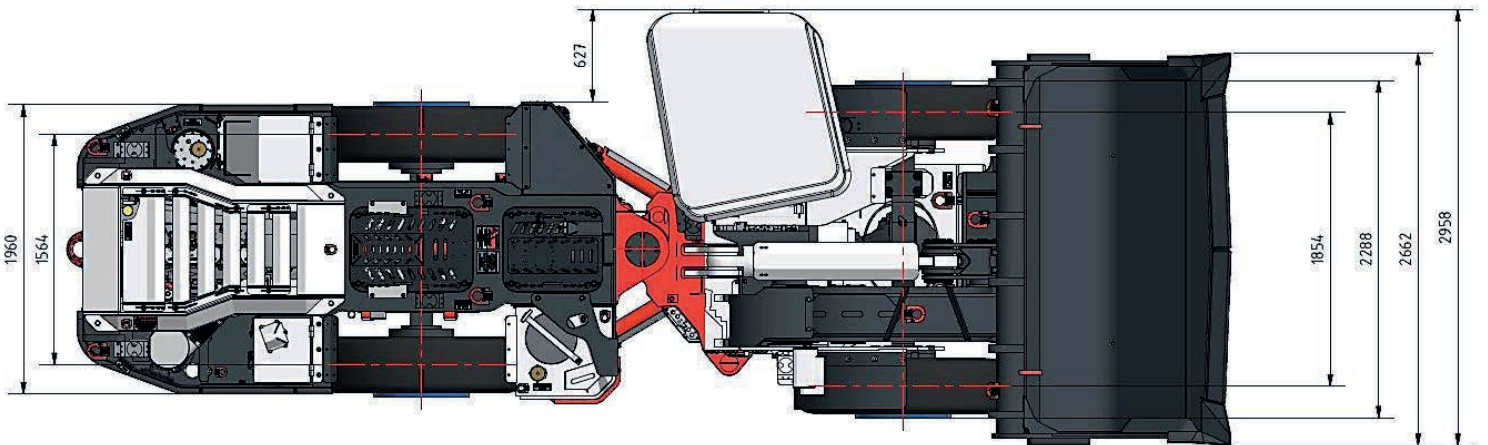
BUCKET OPTIONS

3.15 m ³	Optional GET/REW
2.2 m ³	Optional GET/REW

Side View

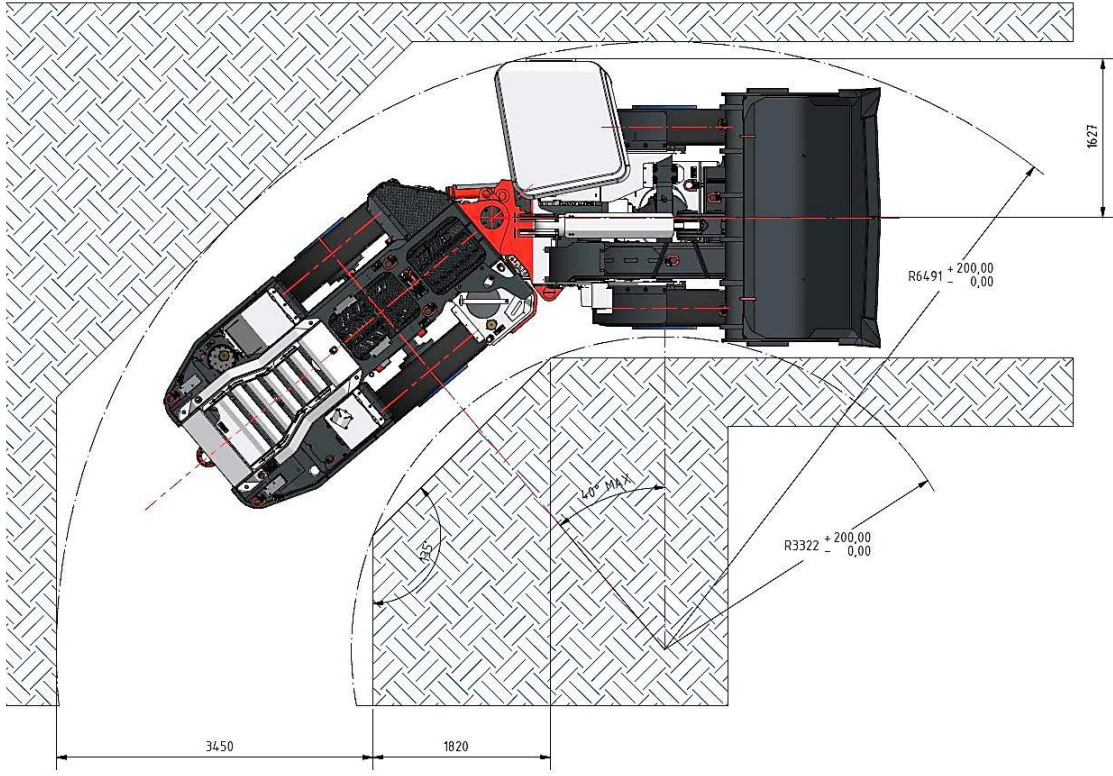


Top View



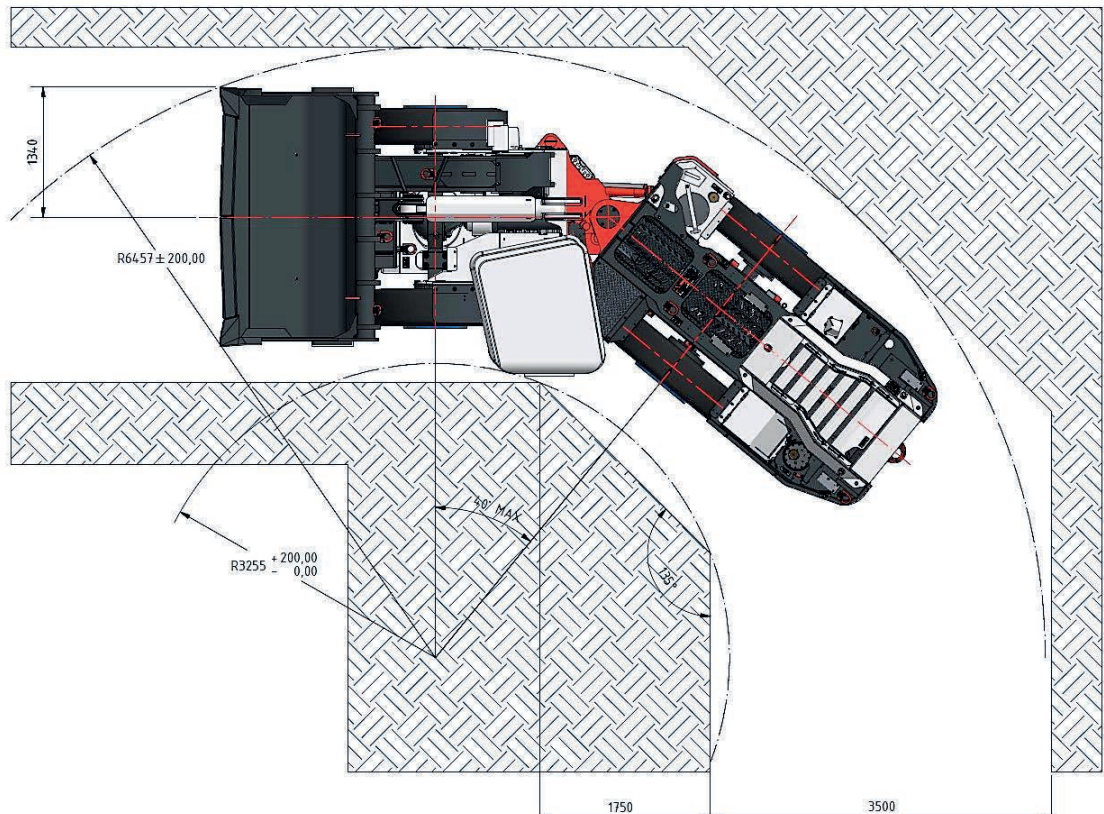


Right Turn

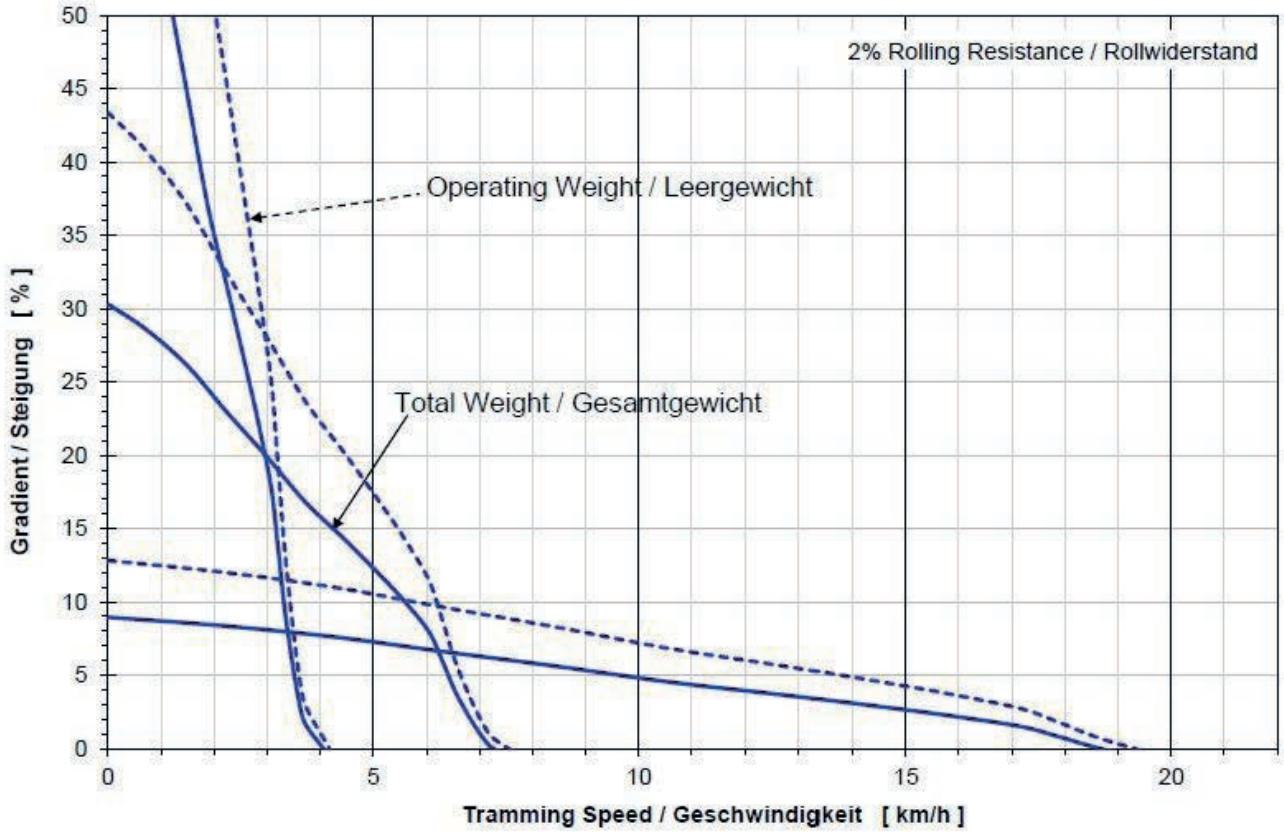




Left Turn



Gradeability Diagram





GHH

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