



# SLP-8

## Main Features

- Improved operator safety, ergonomics and comfort
- Super low vehicle height of 1 550 mm
- Best in class loading performance
- ROPS / FOPS certified canopy
- Extremely robust frame and system design resulting in lowest operating cost
- Extended canopy for better visibility and ergonomics
- Customized buckets optimized for hard rock applications available.
- Excellent Traction
- Separate brake flushing circuit
- PDS (Personnel Detection System) interface
- CAN BUS electronics



#### MAIN DIMENSIONS

Length (tramming position)	9 074 mm
Length (loading position)	9 284 mm
Width (at cabin)	2 750 mm
Width (at drive unit)	2 600 mm
Width (at bucket)	2 600 mm
Height, laden (above drive unit)	1 370 mm
Height, laden (above driver's canopy)	1 550 mm
Max. tipping height	801 mm
Bucket capacity (SAE heaped/SG Specific)	4 m <sup>3</sup>

#### ENGINE

Manufacturer	Deutz
Type	TCD 2013L06 2V
Design	Water cooled diesel engine
Power	178 kW / 2 200 min <sup>-1</sup>
Air intake system	Dry air filter
Exhaust system	Silencer and CAT
Starter power / voltage	4.0 kW / 24 V
Alternator current / voltage	80 A / 24 V

#### DRIVE TRAIN

Transverter	
Manufacturer	Dana
Type	Series MHR 32000
Design	Three Forward and Reverse
Upbox	
Manufacturer	Rogelberg
Type	Transfer Box
Design	Gearbox with ratio 1 and offset 400mm

#### ELECTRICAL EQUIPMENT

Operating voltage	24 V
Battery	2 x 12 V / 105 Ah
Control System	B&R X90
CAS/PDS Interface	
I-Button Ignition	
Reverse camera	
Brake wear sensors	

#### WEIGHTS

Operating weight	23 807 kg
Payload capacity	8 000 kg
Front axle load, empty	10 600 kg
Rear axle load, empty	13 207 kg
Front axle load, loaded	22 819 kg
Rear axle load, loaded	8 988 kg

#### WHEELS AND TIRES

Front wheels	
Rim size	17.0 - 20 / 2.0
Tire size	20.5 - 25
Tire pressure	7.5 ± 0.1 bar
Rear wheels	
Rim size	17.0 - 20 / 2.0
Tire size	20.5 - 25
Tire pressure	7.5 ± 0.1 bar



## BRAKES

Design Service	Multi disk spring brake (SAHR) Hydr. actuated, ext. cooled
Design Parking	Multi disk spring brake (SAHR) Hydr. actuated, ext. cooled

## AXLES

Front axle	Rigid planetary axle
Manufacturer	Kessler
Type	D91 PL408-NLB-FS
Differential	Standard
Rear axle	Rigid planetary axle
Manufacturer	Kessler
Type	D91 PL408-NLB-FS
Differential	No-Spin

## LIGHTING SYSTEM

Headlights-LED Type	3 x 75 W
Reverse lights-LED Type	3 x 75 W
Navigation lights x 4	Red and Green

## DUMP / HOIST HYDRAULIC SYSTEM

Pump displacement volume	64 cm <sup>3</sup> /rev
System pressure at dump cylinder	190 bar
System pressure at hoist cylinder	190 bar
Number of hoist cylinders	2
Number of dump cylinders	1
Boom raising time	6.6 s
Bucket raising, from dumping position	5.9 s

## STEERING HYDRAULIC SYSTEM

Pump displacement volume	36 + 64 cm <sup>3</sup> /rev
System pressure	200 bar
Number of steering cylinders	2



## FILLING VOLUMES

Fuel tank	200 l
Hydraulic tank	220 l
Engine with oil filter	18.5 l
Torque converter / power shift transmission circuit	36 l
Front axle differential	42 l
Front axle planetary gear	2 x 4.5 l
Rear axle differential	42 l
Rear axle planetary gear	2 x 4.5 l
Aircon compressor	0.5 l
Header tank	24 l
Brake flushing tank	27 l

## TRAMMING CAPACITIES

Max. tramming speed (laden fwd/rev, on level road)	
1st gear	3.9 km/h
2nd gear	7.9 km/h
3rd gear	Blocked
Maximum admissible gradient	28%
Maximum transverse slope	15%
Maximum tractive effort	220 kN
Breakout force	156 kN

## STEERING CAPACITIES

Design	Hydraulic articulated joystick steering
Steering angle	± 42°
Outer turn radius Right	6 277 ± 200 mm
Inner turn radius Right	3 047 ± 200 mm
Outer turn radius Left	6 277 ± 200 mm
Inner turn radius Left	2 762 ± 200 mm

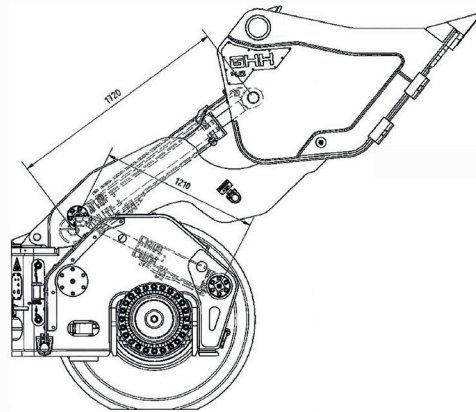
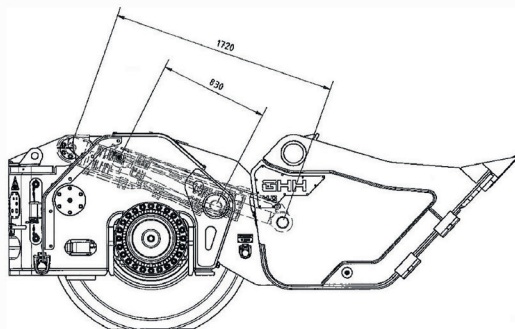
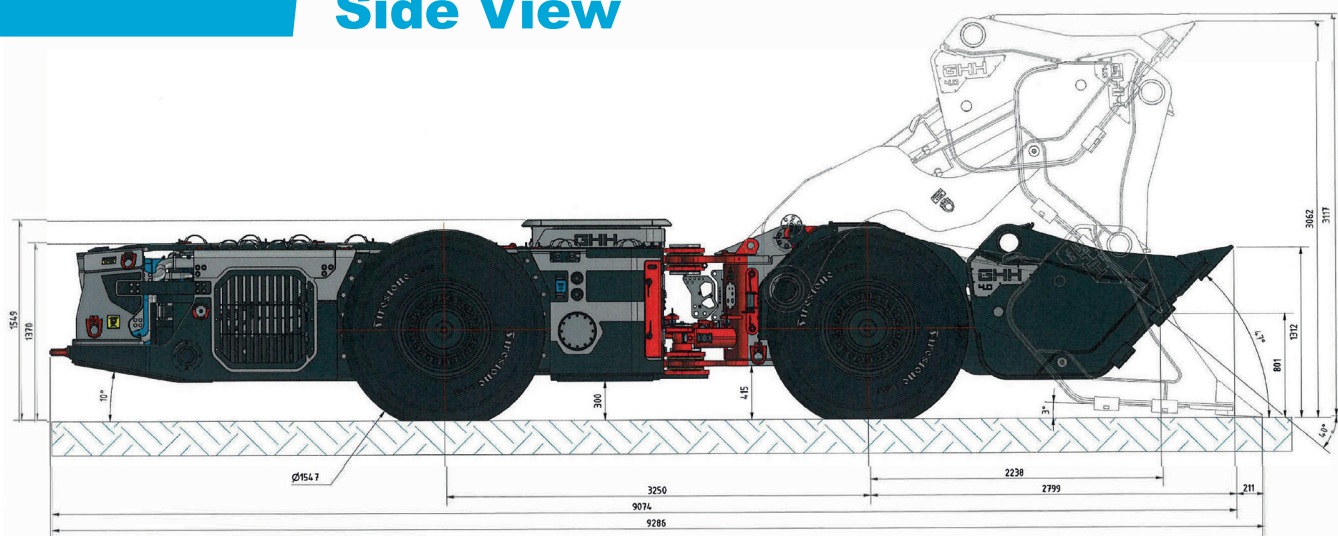


## OPTIONS

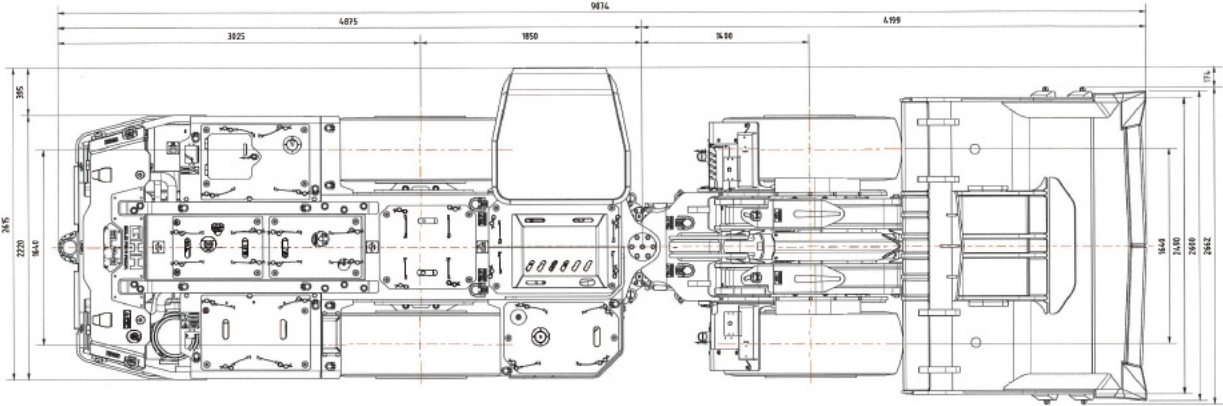
Collision avoidance system
Fire Suppression manual / auto
Spare wheel
Chock blocks



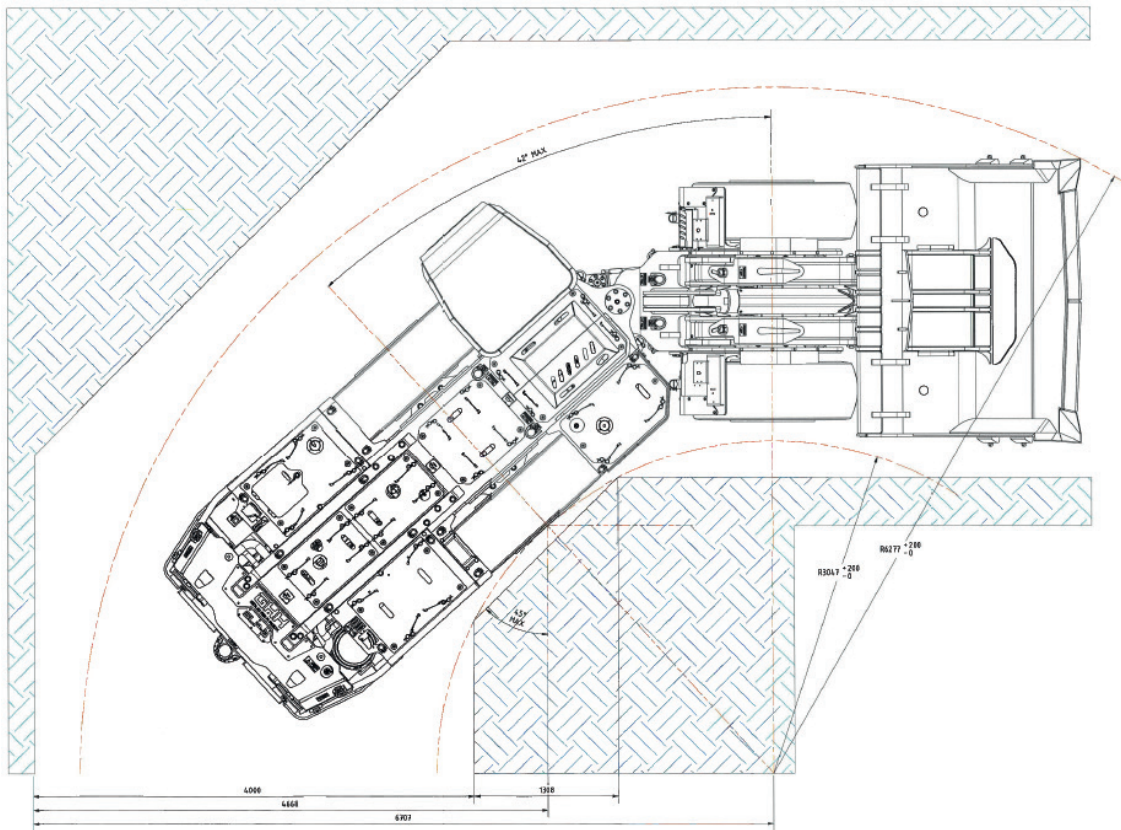
## Side View



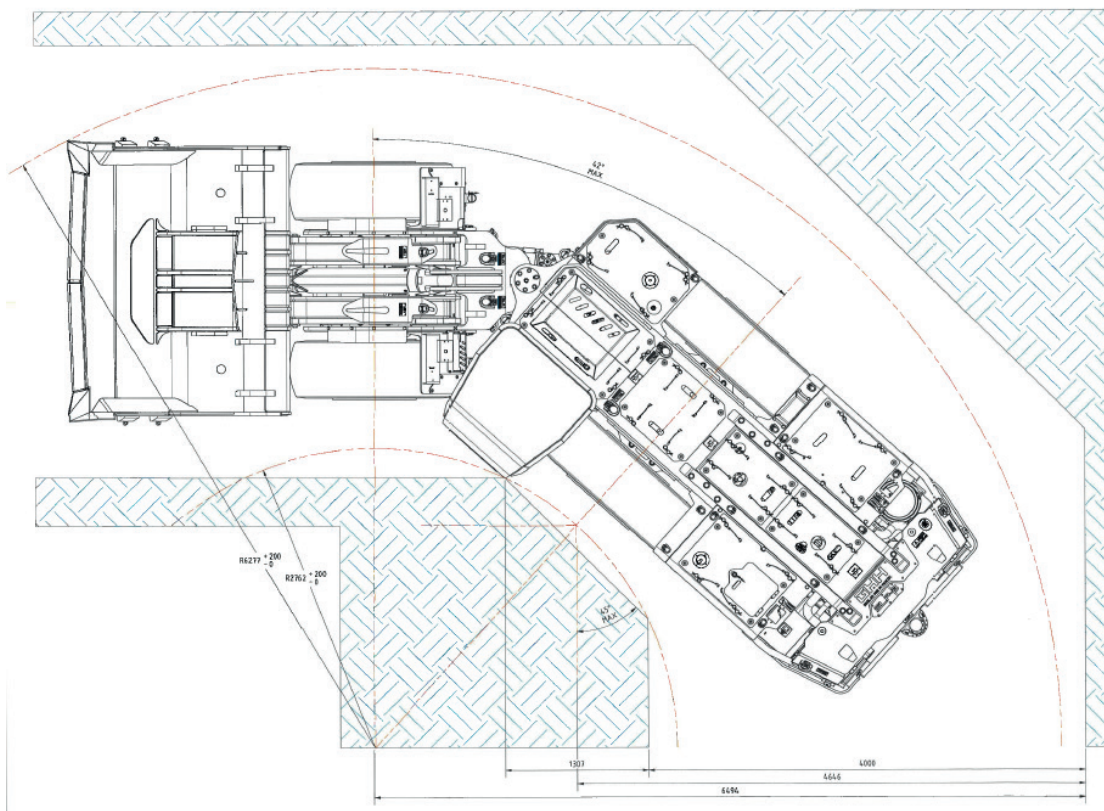
# Top View



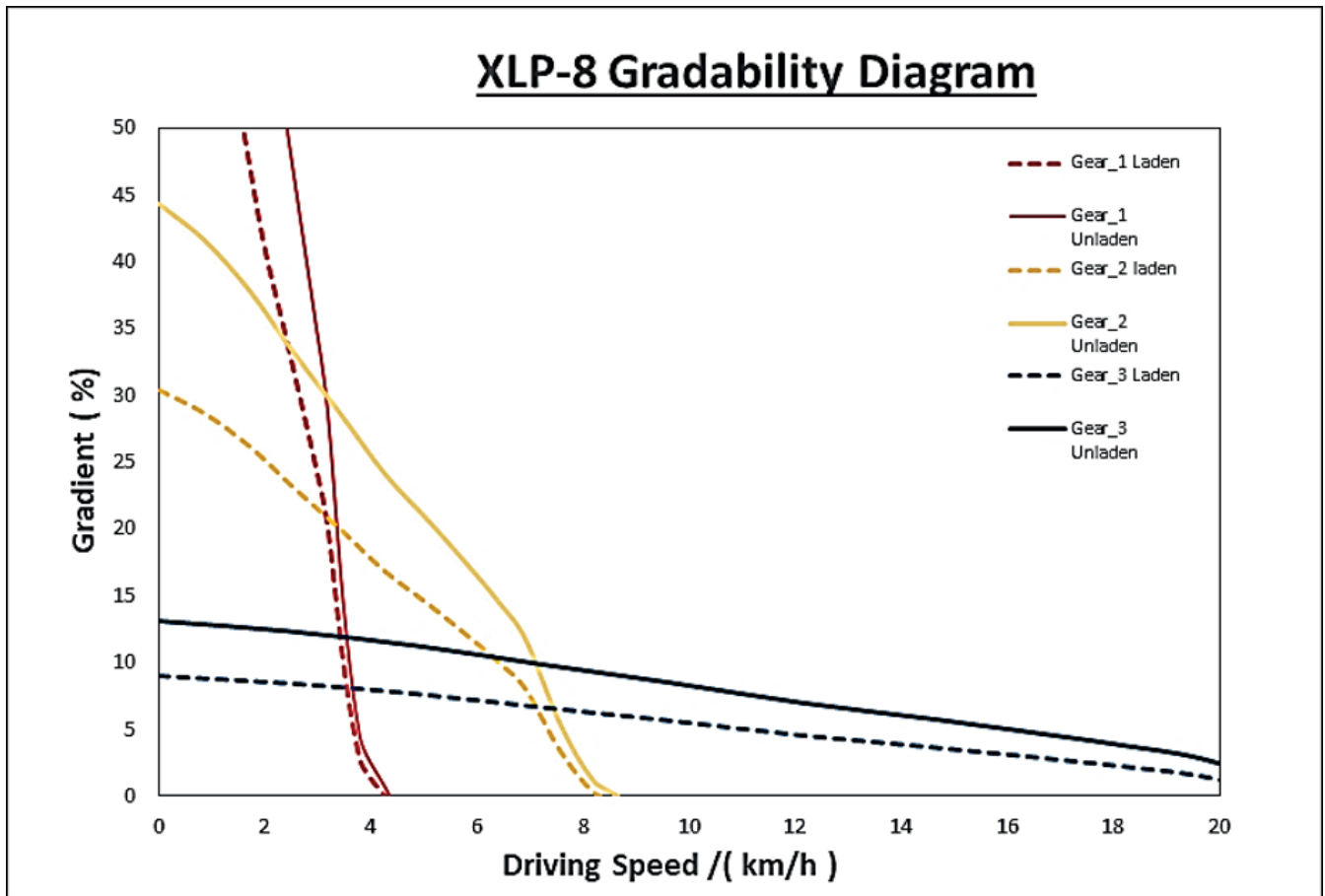
# Right Turn



# Left Turn



# Gradeability Diagram





# GHH

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