

SCALER LF-7HB



Main Features

- **Efficient Drive System (EDS)** for highest productivity and reduced maintenance costs
- Intuitive **two pedal control** for accurate scaling
- Advanced **controls** and **condition monitoring** systems
- Extremely robust **GHH frame and system design** resulting in lowest operating cost
- Different scaling arm lengths available
- Super low profile machine version
- **Load sensing hydraulics** for lower oil temperatures and **higher energy efficiency**

GHH
FAHRZEUGE



Technical Specification*

Main Dimensions

Length (standard boom)	16 426 mm
Width (at standard cabin)	3 300 mm
Width (at drive unit)	3 000 mm
Height, (above drive unit)	1 830 mm
Height, (above standard canopy)	2 440 mm
Max. scaling height	7 850 mm
Max. scaling angle	42°

Engine

Manufacturer	Deutz
Type	TCD 6.1 L6
Design	Water cooled diesel engine
Power	180 kW / 2 000 min ⁻¹
Air intake system	Dry air filter
Exhaust system	DPF/DOC-SCR
Starter power / voltage	4.0 kW / 24 V
Alternator current / voltage	80 A / 28 V
Emission standard	EU Stage 4 / EPA Tier IV final

Drive Train

Pump distribution gearbox

Manufacturer	Stiebel
Type	4384
Design	Helical gearbox

Axle distribution gearbox

Manufacturer	Rögelberg
Type	6290
Design	Helical gearbox

Electrical Equipment

Operating voltage	24 V
Battery	2 x 12 V / 95 Ah

Weights

Operating weight	33 660 kg
Front axle	16 660 kg
Rear axle	17 000 kg

Wheels and Tires

Front wheels

Rim size	19.5 - 25 / 2.5
Tire size	23.50 - 25
Tire pressure	4.5 bar

Rear wheels

Rim size	19.5 - 25 / 2.5
Tire size	23.50 - 25
Tire pressure	4.0 bar

Brakes (Service and Parking)

Design	Multi disk spring brake (SAHR)
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Axles

Front axle

Manufacturer	Kessler
Type	D91
Differential	Standard

Rear axle

Manufacturer	Kessler
Type	D91
Differential	Standard

Lighting System

Main / reverse headlights	LED (low/high beam)
Additional headlights	LED

Working Hydraulic System

Pump displacement volume	71 cm ³ /rev
System pressure	210 bar
Number of hoist cylinders	2
Number of scaling cylinders	1

Steering Hydraulic System

Pump displacement volume	71 cm ³ /rev
System pressure	210 bar
Number of steering cylinders	2

**Tramming Capacities**

Max. tramming speed	17 km/h
Max. tramming speed scaling (fwd/rev, on level road)	5 km/h
Maximum admissible gradient	28%

Steering

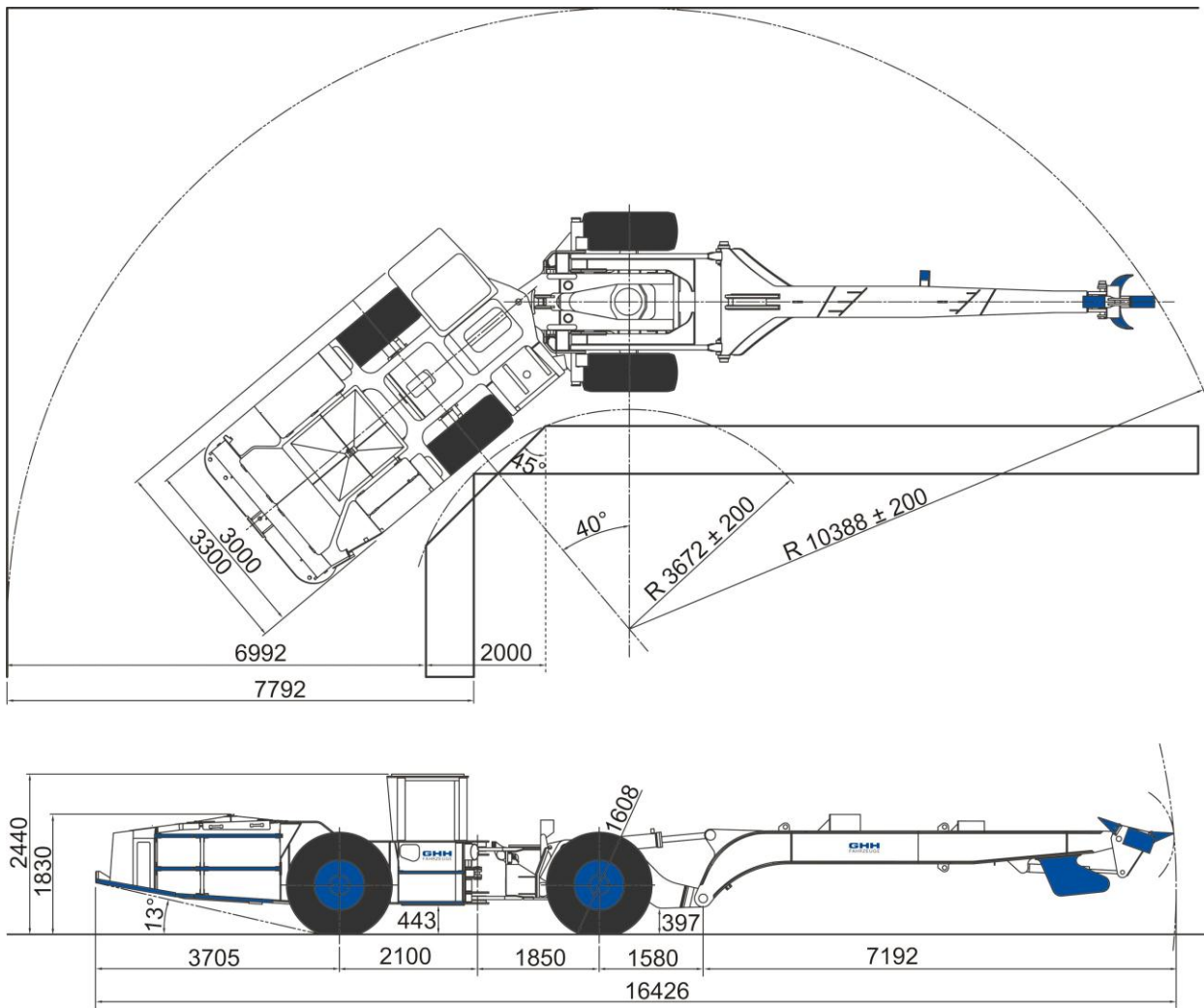
Design	Swivel joint hydr. power steering
Steering angle	± 40°
Outer turn radius	10 388 ± 200 mm
Inner turn radius	3 672 ± 200 mm

**Filling Volumes**

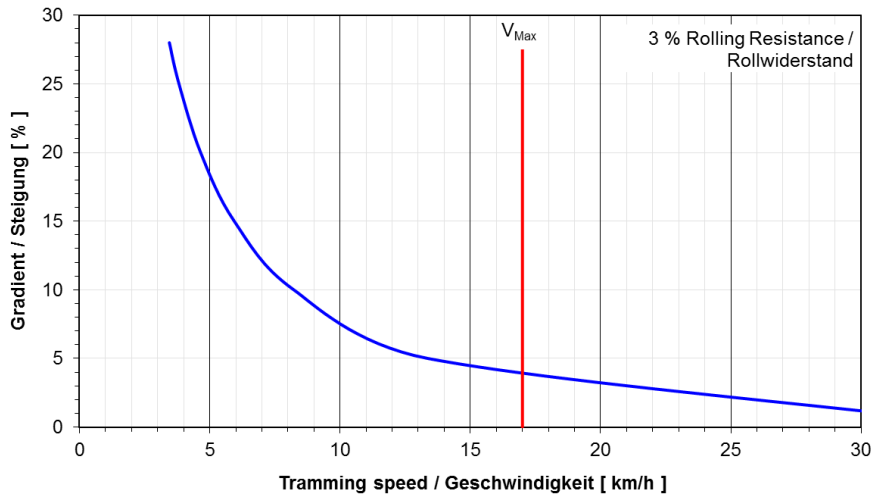
Fuel tank	300 l
Hydraulic tank	590 l
Engine with oil filter	20 l
Coolant	45 l
Front axle differential	47 l
Front axle planetary gear	2 x 3.5 l
Rear axle differential	47 l
Rear axle planetary gear	2 x 3.5 l
Pump distribution gearbox	14 l
Axle distribution gearbox	14 l

Main Options

Central lubrication system	Air condition
Fire suppression manual / auto	Camera system
Scaling arms lengths	Collision avoidance systems
Cabin heights (SLP version)	Radio remote control
Open / Closed cabin	Spare wheel



Gradeability Diagram



* Changes may apply without prior notice. Featured machines in photos may include variations / additional equipment.

