

L H D

LF-10
water cooled



Main Features

- **Compact and powerful** design
- **Hard rock and tunnelling** applications
- **ROPS/ FOPS** certified cabin
- **High operator comfort with large box for improved legroom**
- Great **power to weight ratio**
- Extremely robust **GHH frame and system design** resulting in lowest operating cost
- **T-link design** ensures high break out force, less wear
- **Customized buckets** optimized for hard and soft rock mines available
- Options such as **payload weighing system** or **bucket shaker**
- **Efficient combination** with MK-A20 or MK-A35 dumper

GHH
FAHRZEUGE



Technical Specification*

Main Dimensions

Length (traming position)	10 002 mm
Length (loading position)	10 357 mm
Width (at cabin)	2 600 mm
Width (at drive unit)	2 450 mm
Width (at bucket)	2 650 mm
Height, laden (above drive unit)	1 835 mm
Height, laden (above driver's canopy)	2 390 mm
Max. tipping height	1 986 mm
Standard bucket capacity (SAE heaped)	4.6 m ³

Engine

Manufacturer	Deutz
Type	TCD2013L06
Design	Water cooled diesel engine
Power	200 kW / 2 300 min ⁻¹
Air intake system	Dry air filter
Exhaust system	Catalyst, silencer
Starter power/voltage	5.5 kW / 24 V
Three-phase alternator/voltage	80 A / 28 V
Emission standard	EPA Tier 3 / EU stage IIIA

Drive Train

Torque converter

Manufacturer	Dana
Type	Series 8 000
Design	Single stage

Power shift transmission

Manufacturer	Dana
Type	Series 32 000
Design	Four gears forward / reverse

Electrical Equipment

Operating voltage	24 V
Battery	2 x 12 V / 140 Ah

Weights

Operating weight	29 609 kg
Payload capacity	10 000 kg
Front axle, empty	12 272 kg
Rear axle, empty	17 337 kg
Front axle, loaded	27 619 kg
Rear axle, loaded	11 990 kg

Wheels and Tires

Front wheels

Rim size	13.00 - 25 / 2.5
Tire size	18.00 - 25
Tire pressure	6.25 ± 0.1 bar

Rear wheels

Rim size	13.00 - 25 / 2.5
Tire size	18.00 - 25
Tire pressure	8.25 ± 0.1 bar

Brakes (Service and Parking)

Design	Multi disk spring brake (SAHR)
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Axles

Front axle

Manufacturer	Kessler
Type	D102 NLB-FS
Differential	Lim. Slip

Rear axle

Manufacturer	Kessler
Type	D102 NLB-FS
Differential	Lim. Slip

Oscillating angle	±8°
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Lighting System

Main / reverse headlights	LED
Additional headlights	LED

Dump / Hoist Hydraulic System

Pump displacement volume	80 + 26 cm ³ /rev
System pressure	230 bar
Number of lift cylinders	2
Number of dump cylinders	1
Boom raising time	5.9 s
Bucket raising, from dumping position	5.5 s

Steering Hydraulic System

Pump displacement volume	80 cm ³ /rev
System pressure	210 bar
Number of steering cylinders	2

**Filling Volumes**

Fuel tank	390 l
Hydraulic tank	300 l
Engine with oil filter	29 l
Torque converter / power shift transmission circuit	36 l
Front axle differential	28 l
Front axle planetary gear	2 x 6 l
Rear axle differential	26 l
Rear axle planetary gear	2 x 6 l

Tramming Capacities

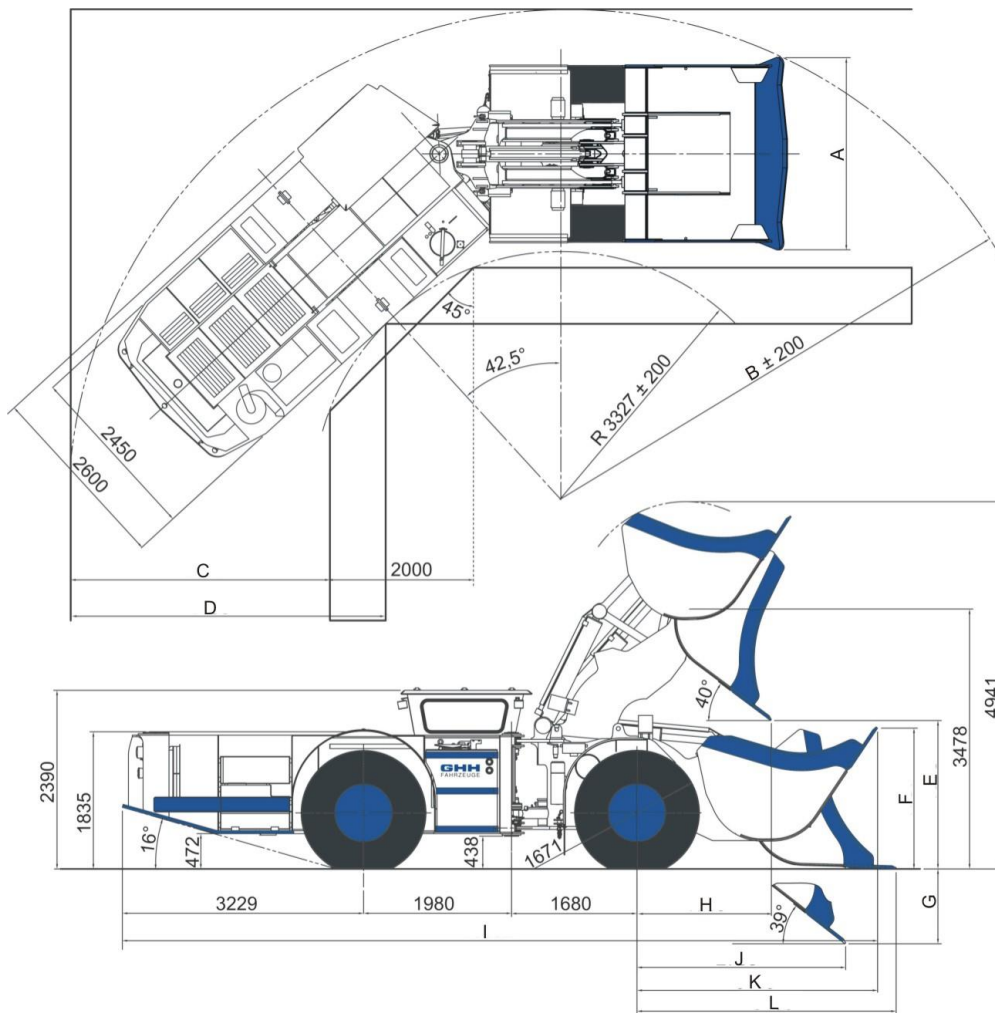
Max. tramming speed (laden fwd/rev, on level road)	
1st gear	4.5 km/h
2nd gear	9.0 km/h
3rd gear	15.0 km/h
4th gear	25.0 km/h
Maximum admissible gradient	25%
Maximum transverse slope	15%
Maximum tractive force	220 kN

Steering

Design	Hydraulic articulated power steering
Steering angle	± 42.5°
Outer turn radius	6 790 ± 200 mm
Inner turn radius	3 327 ± 200 mm

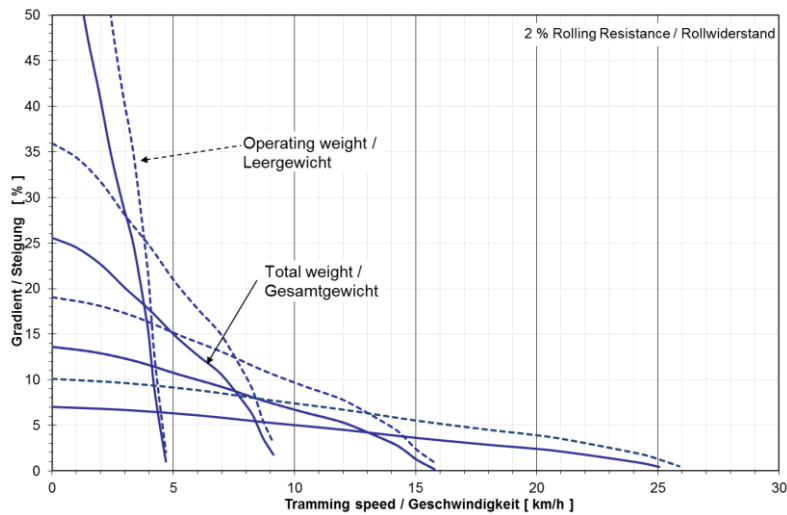
**Main Options**

Central lubrication system	Air condition
Fire suppression manual / auto	Heating system
Bucket sizes	Camera system
Ejector bucket	Collision avoidance systems
Side tipping bucket	Fast fuelling system
Ground engagement tools (G.E.T.)	Hydraulic oil filling pump
Payload weighing system	Aggressive environment kit
Bucket shaker	Radio remote control
Ride control	Brake release tow hook
Open/Closed cabin	Spare wheel



Bucket**	A	B	C	D	E	F	G	H	I	J	K	L
4.6 m ³	2 650	6 790	3 661	4 438	1 986	1 797	1 021	1 759	10 002	2 755	3 113	3 468
5.0 m ³	2 600	6 751	3 622	4 399	1 939	1 708	1 010	1 722	9 989	2 784	3 100	3 476

Gradeability Diagram



* Changes may apply without prior notice. Featured machines in photos may include variations / additional equipment.
 ** Other bucket sizes available on request

