

L H D LF-11H



Main Features

- **Compact and powerful design for hard rock and tunnelling applications**
- **Efficient Drive System (EDS) for highest productivity and reduced maintenance costs**
- **T-link design** ensures high break out force, less wear resulting in **> 20% higher lifetime** compared to competition
- Intuitive **two pedal control** for faster cycle times
- Extremely robust **GHH frame and system design** resulting in lowest operating cost
- **Customized buckets** optimized for hard and soft rock mines available
- **ROPS / FOPS** certified cabin
- Advanced **controls** and **condition monitoring** systems
- **Efficient combination** with MK-A20 or MK-A35 dumper

Technical Specification*

Main Dimensions

Length (tramming position)	9 711 mm
Length (loading position)	10 072 mm
Width (at cabin)	2 600 mm
Width (at drive unit)	2 450 mm
Width (at bucket)	2 450 mm
Height, laden (above drive unit)	1 754 mm
Height, laden (above driver's canopy)	2 449 mm
Max. tipping height	2 035 mm
Bucket capacity (SAE, heaped)	5.1 m ³

Engine

Manufacturer	Cummins
Type	QSL9
Design	Water cooled diesel engine
Power	209 kW / 2 000 min ⁻¹
Air intake system	Dry air filter
Exhaust system	Catalyst, silencer
Starter power / voltage	7.5 kW / 24 V
Alternator current / voltage	100 A / 28 V
Emission standard	COM IIIA

Drive Train

Pump distribution gearbox

Manufacturer	Stiebel
Type	4384
Design	Helical gearbox

Axle distribution gearbox

Manufacturer	Rögelberg
Type	4xV14-110
Design	Helical gearbox

Electrical Equipment

Operating voltage	24 V
Battery	2 x 12 V / 50 Ah

Weights

Deadweight	30 100 kg
Payload	11 000 kg
Front axle, unladen	13 200 kg
Rear axle, unladen	16 900 kg
Front axle, laden	29 923 kg
Rear axle, laden	11 177 kg

Wheels and Tires

Front wheels

Rim size	13.00 - 25 / 2.5
Tire size	18.00 - 25
Tire pressure	7.5 ± 0.1 bar

Rear wheels

Rim size	13.00 - 25 / 2.5
Tire size	18.00 - 25
Tire pressure	4,5 ± 0.1 bar

Brakes (Service and Parking)

Design	Multi disk spring brake (SAHR)
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Axles

Front axle

Manufacturer	Dana
Type	43RM175
Differential	Standard

Rear axle

Manufacturer	Dana
Type	43RM175
Differential	No Spin

Lighting System

Main / reverse headlights	75 / 70 W
Additional headlights	65 W

Dump / Hoist Hydraulic System

Pump displacement volume	2 x 45 + 28 cm ³ /rev
System pressure	250 bar
Number of hoist cylinders	2
Number of dump cylinders	1
Boom raising time	5.8 s
Bucket raising, from dumping position	5.2 s

Steering Hydraulic System

Pump displacement volume	45 cm ³ /rev
System pressure	200 bar
Number of steering cylinders	2



Tramming Capacities

Max. tramming speed	20 km/h
(laden fwd/rev, on level road)	
Maximum admissible gradient	28%
Max. transverse slope	15%
Max. tractive force	249 kN

Steering

Design	Swivel joint hydr. power steering
Steering angle	± 40°
Outer turn radius	6 700 ± 200 mm
Inner turn radius	3 500 ± 200 mm

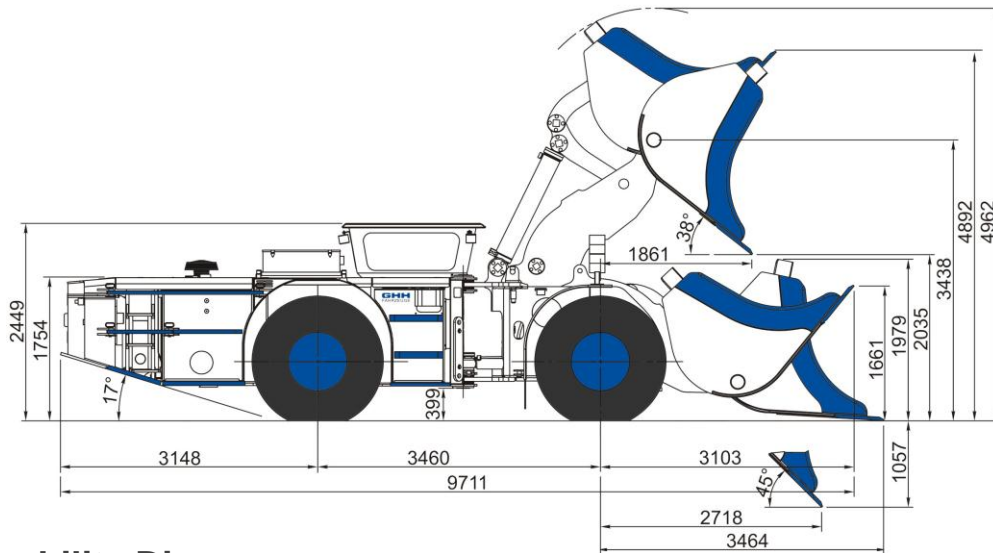
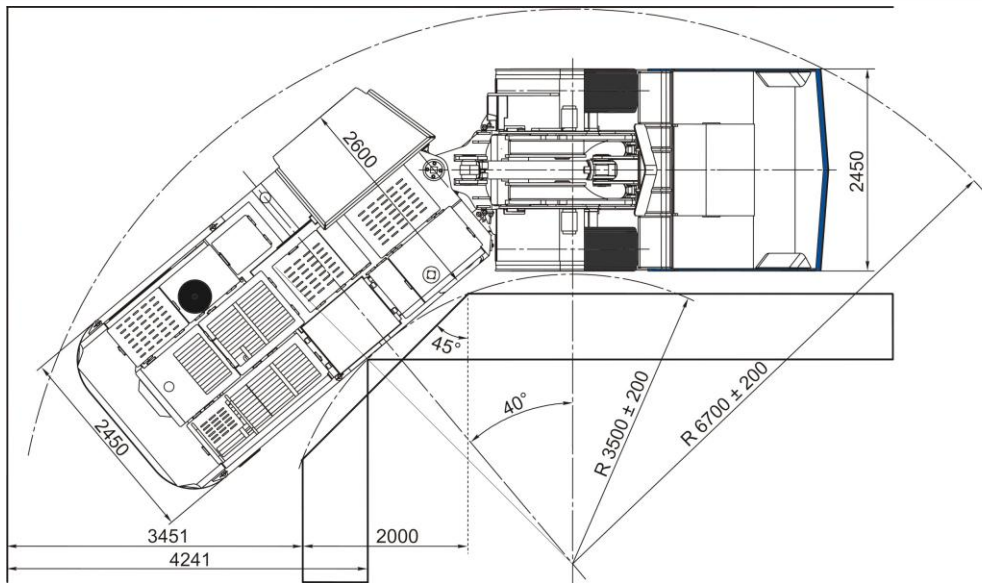


Filling Volumes

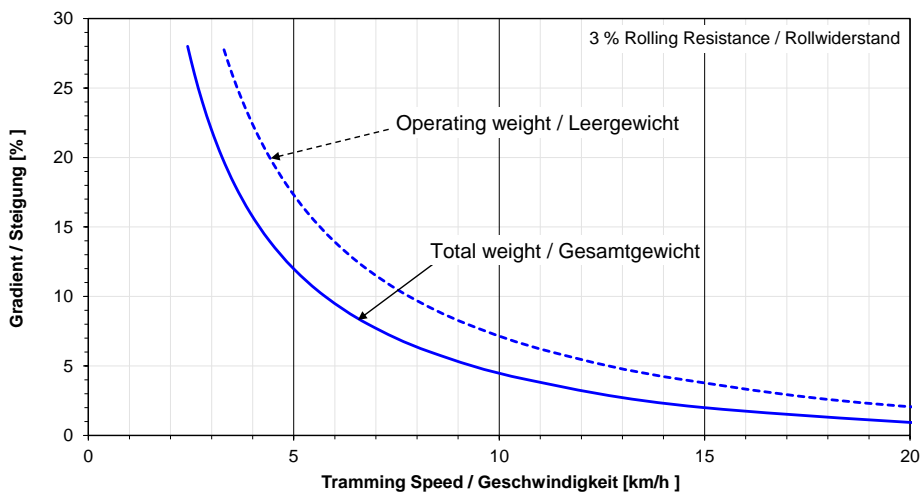
Fuel tank	540 l
Hydraulic tank	550 l
Engine with oil filter	40 l
Coolant	50 l
Front axle differential	31 l
Front axle planetary	2 x 8.5 l
Rear axle differential	31 l
Rear axle planetary	2 x 8.5 l
Pump distribution gearbox	6.4 l
Axle distribution gearbox	8 l

Options

Central lubrication system	Camera system
Fire suppression manual / auto	Collision avoidance system
Ride control	Air condition
Ejector bucket	Heating system
Side tipping bucket	Pressurized cabin
Armoured bucket teeth	Aggressive environment kit
Ground engagement tools (G.E.T)	Spare wheel
Payload weighing system	Radio remote control
Bucket shaker	Fast fuelling system



Gradeability Diagram



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