



## LHD - Load Haul Dumper



### Overview

The LHD 3,5 which is an indispensable part of underground narrow mine galleries, is a loader of difficult areas with its 100HP diesel engine, articulated 42° angle and carrying capacity 3500 kg. LHD does not contain any electronic components or any converter, automatic transmission. As it is all hydrostatic, the risk of failure is minimum. The operator seat, that can be positioned laterally, provides the best view when driving forward and backward.



[www.alpinmakine.com](http://www.alpinmakine.com)

## Technical Specifications

### PERFORMANCE

Loading Capacity	3500 kg
Operating Weight	10660 kg
Speed	0-22 km/h
Max. Gradeability	20° (°)
Articulation- Steering	±42° (°)
Articulation- Oscillation	±6° (°)

### ENGINE

Engine (Standard)	Deutz / D914L6
Engine Power	100HP- 74.9 kW @ 2300 RPM
Fuel Type	Diesel
Displacement	6472 cm <sup>3</sup>
Cylinder	6
Cooling System	Air
Fuel Tank	100 Lt

### HYDRAULIC SYSTEM (REXROTH BOSCH)

Drive Pumps	400 Bar
Boom And Bucket Pumps	350 Bar
Boom And Bucket Oil Flow	172 Lt/min
Fan Driver Pump	16 CC
Break Pump	11 CC
Steering Control	Stick (Hydraulic)
Boom And Bucket Control	Joystick (Hydraulic)
Axles	Kessler D71 Spring Applied
Breaks	Hydrostatic Brake System (SAHR) Parking Brakes, Service Brakes

**100HP**

Diesel Engine

**Rexroth  
Bosch**

Hydraulic System

**3.5 TON**

Loading Capacity

**<20°**

Gradeability

**42°**

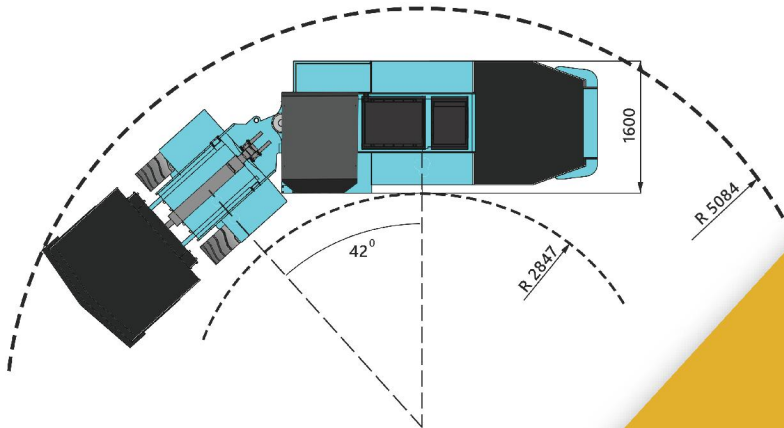
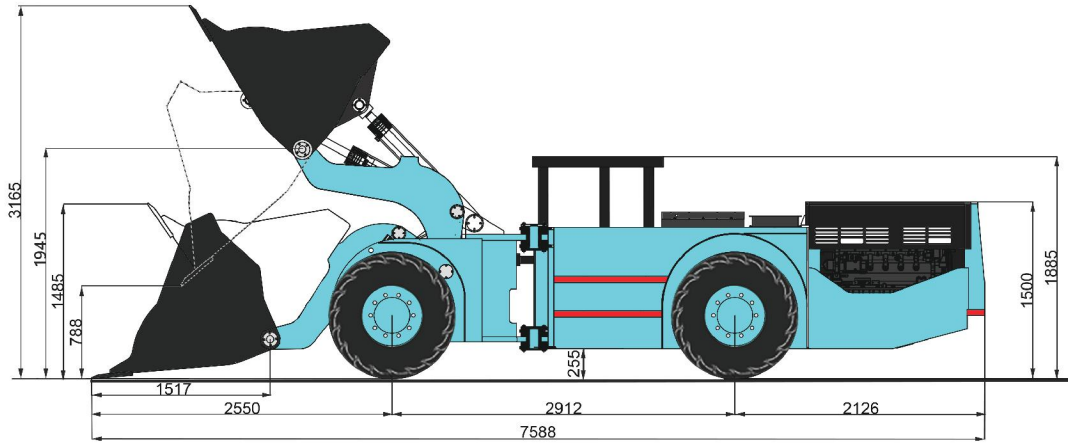
Steering Angle

**6°**

Oscillation Angle



# LHD - Load Haul Dumper



[www.alpinmakine.com](http://www.alpinmakine.com)

## Technical Specifications

### DIMENSIONS

Bucket Capacity	1.55	m <sup>3</sup>
Height To Top Of Cab	1885	mm
Width Over Wheels	1600	mm
Total Length	7588	mm
Front Axles- Edge Of Bucket	2550	mm
Wheelbase	2912	mm
Center Line Of Rear Axles-edge Of Chasis	2126	mm
Max. Dump Height	788	mm
Bucket Height At Carry Position	1485	mm
Hinge Pin Height At Max Lift	1945	mm
Max. Overall Height	3165	mm
Dump Angle	41°	(°)
Ground Clearance	255	mm
Turning Radius-Outer	5084±200	mm
Turning Radius-Inner	2847±200	mm

### TIRE OPTIONS

Standard Tire  
Optional Tire

### SIZE

10X20  
12X20

### TUBETYPE

TUBETYPE  
TUBETYPE

### ELECTRIC SYSTEM

BATTERY

12V-180A

It does not include any electronical component

### STANDARD EQUIPMENT

- Front Headlights ✓
- Horn ✓
- Joystick Control ✓
- Hydrostatic Transmission ✓
- Oil Cooler (Hydraulic Fan Driver System) ✓
- Air Cleaner ✓
- Fuel And Water Seperator ✓
- Hydraulic Parking Brake ✓

### OPTIONAL EQUIPMENT

Automatic Central Lubrication