



## About Us

**Founded in 2014**, Engirise is a global manufacturer delivering industrial machinery that powers industries worldwide. Our mission is to redefine industrial solutions through innovation, quality, and customer success.

Driven by engineering excellence, we empower industries to build smarter, safer, and more sustainable futures.

## Connect With Us

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# BACKHOE LOADER

Model Name: **BL124SD**

# Features Provided

The **BL124SD** Backhoe Loader combines power, versatility, and reliability to deliver exceptional performance across construction, earthmoving, and infrastructure projects. Built for demanding job sites, it features an optimized bucket design for smoother unloading, faster operation, and reduced wear. The thickened, wear-resistant knife plate increases durability and minimizes maintenance needs. Its pull-up cylinder protection system safeguards critical components from impacts, extending machine life and ensuring consistent productivity.

With a side shift digging function, the BL124SD provides a wider working range and improved precision, making complex tasks easier to handle. Equipped with high-quality, wear-resistant tires, it maintains excellent traction and stability even on rough terrains. The reinforced box-structure frame ensures superior balance and strength for heavy-duty performance. Combining efficiency, comfort, and long-lasting reliability, the BL124SD Backhoe Loader is a trusted partner for every tough job.

## Advantages:



### **Powerful Performance:**

Delivers strong engine output and smooth hydraulic control for demanding operations.



### **Optimized Bucket Design:**

Ensures faster, effortless unloading with reduced wear and lower maintenance costs.



### **Cylinder Protection System:**

Prevents damage to key components, extending machine life and reliability.



### **Wide Reach & Flexibility:**

Side shift functionality allows greater working range and precision on complex sites.



### **Durable Tyres:**

Heavy-duty, wear-resistant tyres provide excellent traction and stability on rough terrains.



### **Strong & Stable Frame:**

Reinforced box structure enhances durability and balance for tough construction tasks.

MODEL NAME  
**BL124SD**

# Parameters

## 01 Features

Parameter	Value
Overall dimension (LxWxH)	6050x2484x3453 mm
Operating weight	8600 KG
Wheelbase	4200 mm
Wheel tread	1785 mm
Ground clearance	300 mm

## 02 Performance

Load bucket capacity	1.0 m <sup>3</sup>
Load breakout force	47 kN
Load lifting capacity	2500 KG
Bucket unloading height	2807 mm
Bucket unloading distance	801 mm
Digging depth	30 mm
Backhoe bucket capacity	0.3 m <sup>3</sup>
Backhoe digging force	49.8 kN
Backhoe swing angle	180°
Bucket unloading height	4084/4720 mm
Max. digging depth	4303/5246 mm
Max. traction force	76 kN

## 03 Engine (Optional Cummins/Yuchai)

Type	Inline, direct injection, water-cooled, turbocharged, four-stroke
Cylinders - Inner diameter x stroke	4-105 X 130
Rated power	70 kW
Rated speed	2200 r/min
Min. fuel consumption	219 g/kw.h
Max. torque	380 N.m
Displacement	4.5 L

## 04 Steering System

Type	Hydraulic steering
Steering gear model	Steering gear model
Pump displacement	63 ml/r
Pump model	SGP2063
Steering angle	±41°
Min. turning radius	6581 mm

## 05 Driving Axle

Model	26.22-1920/28.43M-1654
Manufacturer	Italy Carraro
Rated front axle load	22.5 T
Rated rear axle load	18.75 T

## 06 Transmission System

Gearbox	Countershaft Powershift
Model	TLB1-4WD
Gears	4F, 4R
Hydraulic torque converter	Carraro
Outlet pressure	1.3-1.55 Mpa
Cooling mode	Oil-cooling pressure circulation

## 07 Tyres

Front/Rear Model	14-17.5/19.5L-24
Front Tyre Pressure	0.4 Mpa
Rear Tyre Pressure	38 Km/h

## 08 Brake System

Traveling Brake	Wet internal self-regulating self-balance type
Parking Brake	Manual brake

## 09 System Pressure

Loading hydraulic system	20 Mpa
Excavation hydraulic system	20 Mpa
Steering hydraulic system	14 Mpa

Engirise Africa presents the **BL124SD Backhoe Loader**: 2,500 kg rated capacity, 0.3 m<sup>3</sup> bucket, telescopic digger, ROPS AC cabin, GPS system, 6-in-1 bucket, and Carraro wet axle. Ideal for versatile construction projects.



## BL124SD BACKHOE LOADER

Build with power | Precision | confidence