

# KOMATSU®

## WB93R-5

OPERATING WEIGHT

7.300 kg

RATED POWER

74 kW / 99,2 HP @ 2.200 rpm

**WB**  
**93R-5**

PRELIMINARY



RIGID BACKHOE LOADER

**WB93R-5**

# WALK AROUND

The new WB93R-5 belongs to the last generation of KOMATSU backhoe loaders, which come into the market with a number of innovations.

- Ultimate Comfort
- Modern appearance
- Standard PPC Controls for Front Loader
- Excavator S-Shaped Boom

The new Series tracks its origins back in the long Komatsu tradition that brings the backhoe loaders to the top of the market for performance, technology and reliability.

## Power Train

The WB93R-5 is fitted with an 99,2 HP turbocharged Komatsu engine, which pushes the machine up to a 40 km/h top speed. The high displacement (4.5 l) ensures exceptional power and unparalleled reliability; at the same time, it meets the 97/68/EC Stage 2 emission regulations.

The "Power Shuttle" transmission provides the machine with four forward and four reverse speeds, with synchronised mechanical shifting.

## CLSS Hydraulic System

The core of the KOMATSU backhoe loader hydraulics is certainly the consolidated CLSS (*Closed Load Sensing System*).

Thanks to the variable flow, the system can efficiently supply the power the machine requires, when needed. With two working modes, "Power" and "Economy", the operator can conveniently choose between maximum power and lowest fuel consumption, with regard to the type of operations to carry out..

## Versatility

Several different configurations make this new machine suitable for a variety of customer typologies. The high level of customisation is the result of the wide offer of options: PPC controls and hydraulic side-shift for the backhoe, LSS, radial tyres, offset boom or quick coupler are just a few.

## Total Comfort

Ergonomics and cutting edge technology can be experienced all around the cab, which features an entirely new design.

Room for the operator and comfort are the key points of this new cab: the wide offer of seats can answer to the most diversified needs, including also an air suspension fully adjustable model.



The lockable storage compartment, the electric 12 V plug to charge the mobile phone and many other small details put the comfort at the top; standard PPC Controls for the front loader and an exceptionally low noise level make working much easier and give a great contribution to the production.

## Design

The front loader design ensures optimal parallel lifting, also providing excellent loading performance. This is not all: thanks to the divergent shape of the loader arm, visibility is excellent and increases productivity and safety.

The backhoe has been completely redesigned: it features a clean layout, with hydraulic piping and hoses along the boom. The rounded shape enhances the loading ability of the machine and simplifies its capacity to overcome obstacles.

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## Serviceability

The tiltable engine bonnet has been developed with a focus on accessibility and ease of service. ORFS hydraulic face seal connectors increase the reliability of the machine and ensure simple and fast replacement; also, the battery and a roomy toolbox are conveniently located on the side of the machine.

# WB93R-5 RIGID BACKHOE LOADER

## SPECIFICATIONS



### ENGINE

Model ..... Komatsu S4D104E-3  
 Type..... vertical, 4-cycle water cooled diesel engine  
 Displacement..... 4.485 cm<sup>3</sup>  
 Rated Power (EEC 80/1269)..... 74 kW / 99,2 HP @ 2.200 rpm  
 Max Torque ..... 398 Nm @ 1.400 rpm



### OPERATING WEIGHT

Standar machine operating weight ..... 7.300 kg  
 Total machine weight ..... 8.350 kg



### TRANSMISSION

Travel speeds:

GEAR	FORWARD	REVERSE
1°	6 km/h	6 km/h
2°	10 km/h	10 km/h
3°	23 km/h	23 km/h
4°	40 km/h	40 km/h



### HYDRAULIC SYSTEM

SyncroSystem hydraulics allows the operator very precise and simultaneous movements. This system incorporates two different working modes: Power and Economy.

Type.....CLSS (Close Load Sensing System)  
 Pumps type ..... variable displacement axial pistons  
 Max. operating pressure ..... 250 bar  
 Max. pump flow..... 165 ltr/min



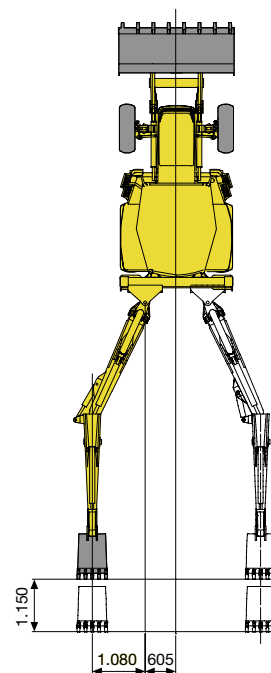
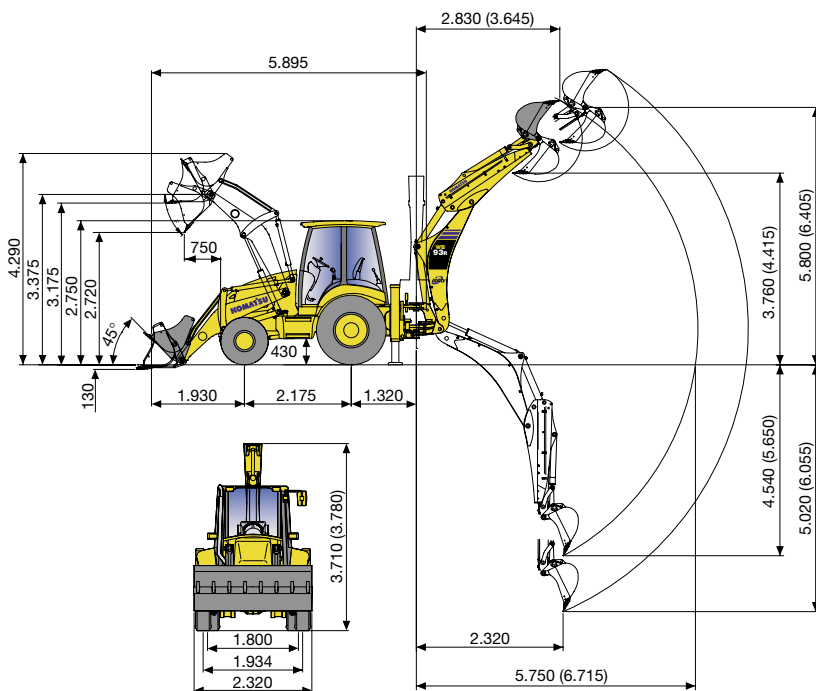
### LOADER

Lifting capacity at ground level (ISO 8313) ..... 5.195 daN (5.300 kg)  
 Breakout force (ISO 8313) ..... 6.383 daN (6.500 kg)



### BACKHOE

Bucket breakout force (ISO 6015) ..... 5.980 daN (6.100 kg)  
 Arm breakout force (ISO 8313) ..... 3.920 daN (4.000 kg)



( ) = with telescopic arm

# KOMATSU®

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