

KOMATSU

WB97R-8

EU Stage IV Engine

RIGID BACKHOE LOADER

PRELIMINARY



WB97R

ENGINE POWER

75 kW / 101 HP @ 2.300 rpm

OPERATING WEIGHT

8.140 kg

BUCKET CAPACITY

1,03 m³ (Standard bucket)

Walk-Around

WB97R-8





Increased Efficiency and Environmental Performance

Powerful and Environmentally Friendly

- NEW** • EU Stage IV engine
- Up to 3% lower fuel consumption (vs. WB97R-5)
- NEW** • Viscous fan clutch
- NEW** • New monitoring system with Eco gauge and Eco guidance
- NEW** • SpeedUp loader logic

First-Class Comfort

- NEW** • Multi-function monitor with high resolution 7" LCD color display
- NEW** • Air-suspended operator seat (Standard)
- NEW** • New ergonomic switch layout for the operator console
- NEW** • Dial type fuel control and electric accelerator pedal
- NEW** • New styling, state-of-the-art Komatsu design

Safety First

- NEW** • Anti-burst valves for stabilizers, boom and arm (Standard)
- NEW** • Emergency engine stop switch
- NEW** • Seat belt caution indicator
- NEW** • Street mode function

Easy Maintenance

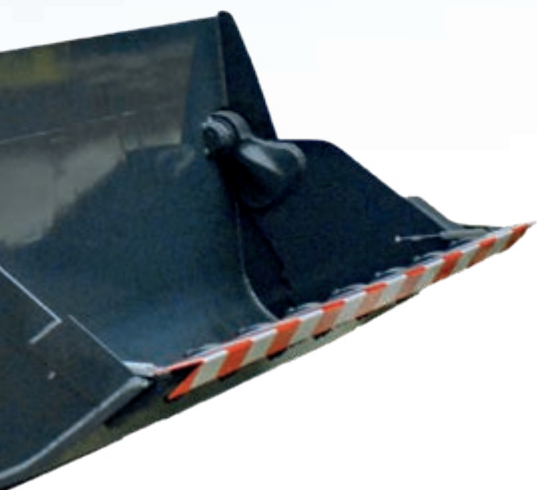
- NEW** • Easy refilling from ground level for hydraulic oil, AdBlue® and fuel
- NEW** • Maintenance information displayed on the monitor

Total versatility

- Hydraulic side shift available
- Flip over forks and pallet forks available
- Quick couplers for the front and rear buckets

KOMTRAX

- Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- NEW** • Increased operational data and fuel savings



ENGINE

| | |
|-----------------------|---|
| Model | Komatsu SAA4D99E-1 |
| Type | Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel |
| Engine power | |
| at rated engine speed | 2.300 rpm |
| ISO 14396 | 75 kW / 101 HP |
| Displacement | 3,4 l |
| Cooling fan | Viscous fan clutch |

ENVIRONMENT

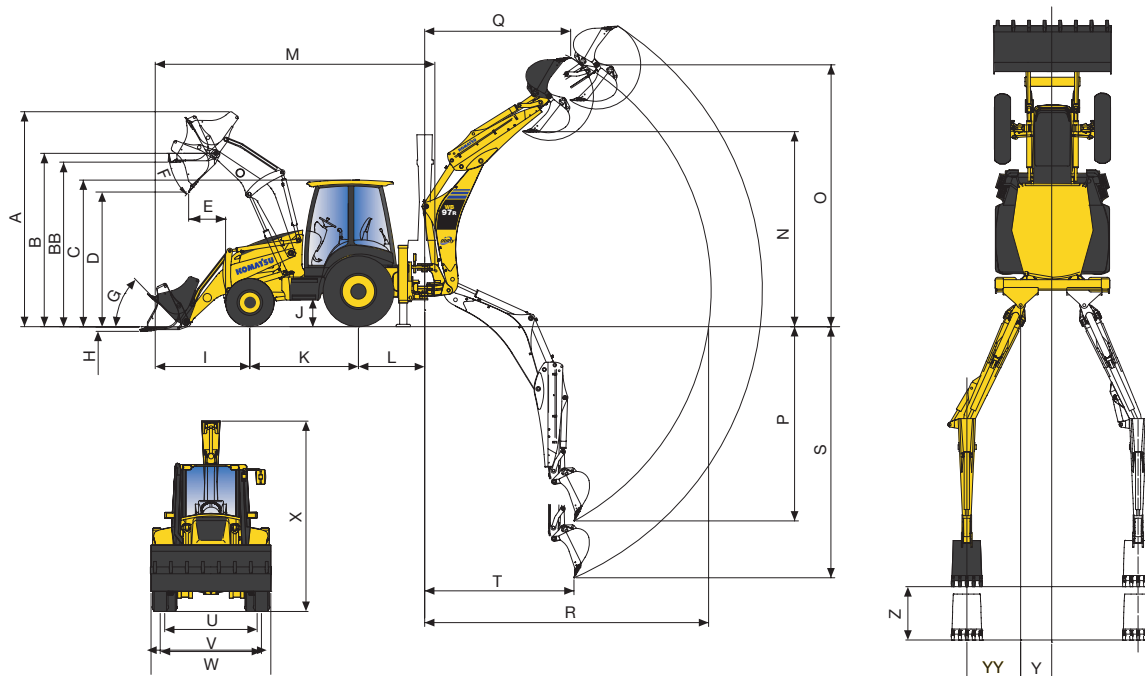
| | |
|------------------|--|
| Engine emissions | Fully complies with EU Stage IV exhaust emission regulations |
| Noise levels | Noise levels (external/internal) fully comply with 2000/14/EC Stage 2 and 98/37/EC |

Hydraulic system

| | |
|----------------------|---|
| System | SynchroSystem with Speed-up function for loader arm |
| Type | CLSS. Closed-centre system with load sensing and pressure compensation valves |
| No. of working modes | 2 (Power / Economy) |
| Hydraulic pump | Variable displacement axial pistons |

CHASSIS AND TYRES

| | |
|------------------------|-------------------------------------|
| Frame | Reinforced and closed box structure |
| Front tyres (standard) | 12.5/80-18-14 PR |
| Rear tyres (standard) | 16.9-28-12 PR |



| | | |
|----|--------------------------------------|----------|
| A | max height | 4.300 mm |
| B | pin height | 3.430 mm |
| | - with 20" front tyres | 3.475 mm |
| BB | forks loading max height | 3.180 mm |
| C | cab height | 2.900 mm |
| D | max dumping height | 2.580 mm |
| E | max dumping reach (45°) | 725 mm |
| F | dumping angle | 45° |
| G | rollback angle | 45° |
| H | digging depth (with 18" front tyres) | 140 mm |
| I | bucket reach (in transport) | 2.190 mm |
| J | ground clearance | 385 mm |
| K | wheel base | 2.175 mm |
| L | backhoe swing centre distance | 1.320 mm |
| M | transport length | 5.990 mm |
| N | dumping height SAE | 3.910 mm |
| | max dumping height | 4.390 mm |
| | - with extended telescopic SAE | 4.835 mm |
| | - with extended telescopic max | 5.170 mm |

| | | |
|----|--------------------------------------|----------|
| O | max digging height | 6.020 mm |
| | - with extended telescopic | 6.680 mm |
| P | digging depth SAE | 4.570 mm |
| | - with extended telescopic | 5.825 mm |
| Q | reach at max height | 3.045 mm |
| | - with extended telescopic | 4.240 mm |
| R | max reach from swing centre | 6.035 mm |
| | - with extended telescopic | 7.175 mm |
| S | max digging depth | 5.245 mm |
| | - with telescopic | 6.410 mm |
| T | digging reach | 2.320 mm |
| U | rear tread | 1.800 mm |
| V | front tread | 1.910 mm |
| W | overall width (with bucket) | 2.340 mm |
| | overall width (with 20" front tyres) | 2.440 mm |
| X | transport hoe height | 3.785 mm |
| Y | side shift | 605 mm |
| YY | side shift with offset | 1.080 mm |
| Z | telescopic stroke | 1.240 mm |