Innovations For The Future

Dimensions

HD513MRV
HD513MRVLC

HD513MRV Dozer

General data

- Model name: HD513MRV, HD513MRVLC
- Operating weight: 13,105kg (HD513MRV), 14,101kg (HD513MRVLC)
- Bucket capacity: 320L (48L)
- Swing speed: 12.5rpm
- Travel speed: High: 5.4km/h, Low: 2.7km/h
- Bucket ramming force: 94kN (667kN High power mode: 98kN / 71kN)
- Standard boom width: 500mm
- Ground pressure: 47.2kPa (58.4kPa / 42.9kPa / 65.8kPa)

- Engine model: 4LJ1-X, 4 cycle intercooler turbo charged
- Tilted engine output: 77.0kW / 2,000rpm
- Fuel tank capacity: 220L
- Hydraulic pump type: Double variable piston pump and gear pump
- Set pressure: 31.4MPa / 32.8MPa High power mode
- Travel motor type: Planet motor
- Hydraulic oil tank capacity: System 15L, Level 7.7L

NOTE: Specifications may include optional equipment. Kato products and specifications are subject to improvements and changes without notice.

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FULLY HYDRAULIC EXCAVATOR

HD513MRV
COMPACT TAIL SWING MODEL

Bucket capacity: 0.25m³-0.60m³ (ISO)
Engine output: 71.0kW / 2,000min (ISO Net)
Operating weight: 13,700kg (HD513MRV)
14,100kg (HD513MRVLC)
It's Cityrange Workable in the Limited

COMPACT SWING RADIUS

Compact swing radius fits perfectly in narrow work sites. It allows operator to handle precise work safely in the tight space without hitting own tail.

Powerful Digging Force

Maximum arm digging force: 68kN (6.9tf)
At the High Power mode: 71kN (7.2tf)
Maximum bucket digging force: 94kN (9.6tf)
At the High Power mode: 98kN (10.0tf)

- Heightened Skirt
- Boom strength: 26%/Up
- Arm strength (Upper): 23%/Up
- Arm strength (Bottom): 10%/Up
- Traveling Frame strength: 40%/Up
- Compared with previous model.

NEW ENGINE: ISUZU 4JJ1X

71kW / 2,000 min⁻¹ (2,996 kW) with DOHC4 valve, Intercooler, Turbo charger, High-pressurized common rail, Cooled EGR.

EASY MAINTENANCE ACCESSIBILITY:

Parallel placed radiator, oil cooler, and intercooler.

REMOTE OILED MAINTENANCE MATERIALS.

WORKING RANGES

Standard backhoe

Small swing position

<table>
<thead>
<tr>
<th>Range</th>
<th>Arm</th>
<th>STD Arm</th>
<th>Long Arm</th>
<th>STD Arm</th>
<th>Long Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Max. digging radius</td>
<td>6,460</td>
<td>8,930</td>
<td>8,460</td>
<td>8,930</td>
<td></td>
</tr>
<tr>
<td>+ B: Max. digging depth</td>
<td>5,560</td>
<td>6,060</td>
<td>4,640</td>
<td>5,140</td>
<td></td>
</tr>
<tr>
<td>+ C: Max. digging height</td>
<td>5,060</td>
<td>5,560</td>
<td>4,020</td>
<td>4,570</td>
<td></td>
</tr>
<tr>
<td>+ D: Max. dumping height</td>
<td>6,080</td>
<td>7,030</td>
<td>7,320</td>
<td>7,760</td>
<td></td>
</tr>
<tr>
<td>F: Min. swing radius</td>
<td>2,370</td>
<td>2,930</td>
<td>1,790</td>
<td>2,080</td>
<td></td>
</tr>
</tbody>
</table>

BUCKET

Type of bucket

- Standard bucket
- Backhoe bucket

BUCKET SIZE

- Bucket capacity (m³)
- Bucket width
- W/C side outlet, mm
- with side outlet, mm
- Standard boom
- Long arm

Track Shoes

Type of shoes

- Grouser shoe
- Flat shoe

SHOE SIZE

- Shoe width (mm)
- Overall width (mm)
- Ground pressure (kgf/cm²)
- Net weight (kg)

USABLE RANGE

- General purpose
- Light work
- Loading
- Usable
- Unusable
- No setting
- Usable only when 700mm shoe is fitted on.
- Yellow colored area means standard.