Environment-friendly & User-friendly Compact tail KATO excavator

Reliable and clean ISUZU engine is adopted
- Model: ISUZU 4JJ1X (Stage III B).
  - Saves the fuel consumption, inject optimum amount of fuel by common rail system.
  - Reduces more NOx by the large capacity intercooler and turbo charged EGR system.

DPF is installed
- DPF (Diesel Particulate Filter) collect and remove PM.
  - Operator is able to confirm DPF condition from latest APC300 display.

Fuel efficiency up approximately 11%
- With the latest APC300, fuel efficiency increased approximately by 11% compare to previous model at “A mode” (All-round mode)

Compact tail swing model
- Tail swing radius is 1,700mm.
  - Minimum front swing radius is 2,370mm.
  - Advantage in narrow working site.
Flexible & Intelligent

Easy to maintain by user-friendly design

- The lubricant impregnated bush and the resin-made shim suppress rattling sound of front attachment and extend greasing interval.
- Parallel configuration oil cooler and radiator make maintenance easier.
- Powerful double element for the air cleaner.
- The one touch cock enables to discharge oil without staining hand or using tool.
- Easy access to the water separator.
- Easy access to the fuel filter and the engine oil filter.

Latest APC300 with various functions

- Able to set maintenance term for filter and oil.
- Hour meter function is adopted.
- Adopt “P mode” (Pro Mode).
- P, A and E mode operation method are selectable.
- Emergency backup switch is equipped for in case of APC malfunction.

P Mode
Pro mode established both power and good response.

A Mode
All-round mode is ideal for general operation.

E Mode
ECO mode for economical works.

Auto-slow mode
Auto-slow mode controls the engine to ideal engine speed automatically and save the fuel consumption.

Roomy and comfortable cabin

- The hour meter can be checked even when key is turned off.
- Wide view design

High performance KATO original seat system

- High position tilting design.
- Lever console is reinforced and achieved stable operability.
- Armrest is pleasant feeling by moquett fabric.
- Seat suspension keeps operator in stable position.

Rear view camera (option)

- Operator can monitor rear view by the rear view camera.

- Seat suspension (option)
- Hot & cool box
- 12 volt power supply (option)
### Technical Specifications

#### ENGINE
- **Model**: HD513MR-6
- **Engine Type**: 6-cylinder, turbocharged diesel engine
- **Number of cylinders**: 6
- **Displacement**: 9,460 cc
- **Rated power**: 152 kW (203 PS) @ 2,000 rpm
- **Rated torque**: 1,325 Nm @ 1,500 rpm
- **Max. rev.**: 3,600 rpm
- **Max. speed**: 95 km/h
- **Cooling system**: Water-cooled
- **Air filter**: High efficiency filter

#### CAB & CONTROLS
- **Type**: 2-seater
- **Air conditioning**: Standard
- **Heating**: Yes
- **Radio**: Optional

#### BOOM, ARM AND BUCKET
- **Boom**: 2-section, 2-branch
- **Type**: Pin type
- **Maximum lifting capacity**: 1,200 kg
- **Maximum lifting height**: 1,500 mm

#### TRAVEL SYSTEM
- **Drive**: 4-wheel drive, 4-wheel steering
- **Transmission**: Standard
- **Gear ratios**: 4 forward, 2 reverse
- **Brakes**: Drum brakes

#### SWING SYSTEM
- **Type**: Full swing
- **Swing radius**: 6.5 m

#### HYDRAULIC SYSTEM
- **Pumps**: Multistage variable displacement pumps
- **Maximum flowrate**: 135 l/min
- **Maximum pressure**: 150 bar

#### SERVICE DATA
- **Fuel tank**: 170 L
- **Engine oil**: 17.5 L
- **Water pump**: 11.5 L
- **Coolant**: 25 L

#### Lifting Capacities

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>HD513MR-6</th>
<th>HD513MRC-6</th>
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<tbody>
<tr>
<td>Standard arm</td>
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<tr>
<td>4.65 m</td>
<td>5.05 m</td>
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### Working Ranges

#### Standard backhoe
- **Maximum digging depth**: 5,600 mm
- **Maximum digging radius**: 1,180 mm

#### Small swing position
- **Maximum digging depth**: 5,600 mm
- **Maximum digging radius**: 1,180 mm

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*Note: The data provided is based on the standard configuration of the HD513MR-6 and HD513MRC-6 models.*