Innovations For The Future

HD512R

Bucket capacity: 0.4m³-0.6m³ (ISO)
Engine output: 68kW / 2,050min⁻¹ (ISO Net)
Operating weight: 12,100kg

FULLY HYDRAULIC EXCAVATOR

Address inquiries to:

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NOTE: Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice.
REGZAM means “ACTIVE MACHINE” with 5 essential design features

- User friendly design
- Reliable Mitsubishi Engine (4D34-TLE2A)
- New APC Control
- Fatigue Free & Comfortable Cabin
- Powerful Operation
New APC System

- Easily selectable 3 working modes with one-touch switches.

- Advanced TFT color monitor liquid crystal display.
- Back-light at touch switches.
- 14 maintenance information available

Durable Seat Suspension

- Less rolling motion of lever-consol & seat assures powerful & precise operations.

Technical Specifications

### ENGINE

- **Model**: Mitsubishi 4DH1-TE3A, 4 cycle turbo charged diesel engine
- **Number of cylinders**: 4
- **Bore & Stroke**: 140mm x 115mm
- **Total displacement**: 3,91L
- **Rated output**: 68kW/2,050min⁻¹ (ISO Net)
- **Max. torque**: 360Nm/1,600min⁻¹ (ISO Net)
- **Compression ratio**: 16.5:1
- **Combustion system**: Direct injection
- **Cooling system**: Finned tube, forced ventilation
- **Air cleaner**: Primary and secondary one each circuit
- **Pumps**: Two, double acting
- **Pressure relief valves**: One, double acting
- **Gear type**: 5-speed
- **Engine oil pressure**: 29.4MPa
- **Water pressure**: 32.9MPa

### HYDRAULIC SYSTEM

- **Pumps**: Double variable piston pump and gear pump
- **Max. discharge flow**: 2 x 12L/min
- **Max. discharge pressure**: 26.4MPa
- **Max. discharge pressure (travel circuit only)**: 32.9MPa
- **Oil filtration**: Full-flow filter with replaceable element, a drain cartridge filter, a pilot line filter and a suction strainer
- **Control valve**: 3 ~ 4 section multiple control valve (with one free service circuit)
- **Pilot pump**: Gear type
- **Oil cooler**: Finned tube, forced ventilation
- **Pressure relief valves**: Primary and secondary on each circuit

### CAB & CONTROLS

- **Type**: Standard cab
- **Air conditioner**
- **Audio system**: In-dash stereo
- **Reinforcement**: Reinforcement

### BOOM, ARM AND BUCKET

- **Boom cylinders**: Two, double acting
- **Bore & Stroke**: 115mm x 115mm
- **Arm cylinders**: One, double acting
- **Bucket cylinder**: One, double acting
- **Bucket digging force**: 88kN (High power) 88kN (High power)
- **Arm digging force**: 64kN (High power) 71kN (High power)

### SWING SYSTEM

- **Drive**: Axial piston motor with shockless valve and reduction gear
- **Brake**: A hydraulic brake that locks automatically when the swing control lever is in the neutral position and a mechanical parking brake which is applied when the safety lock lever is pulled backwards, the engine is turned off or the swing control lever is in the neutral position.
- **Swing drive**: Electric "Accel dial" 4.4
- **Brake**: 4.4
- **Cooling system**: Electric, 24V-5kW
- **Generator**: 24V-50A
- **Engine oil tank (level)**: 275L
- **Swing speed**: High 0 ~ 5.8km/h
- **Min. front swing radius**: 2,390mm
- **Gradeability**: 70% (35°)
- **Ground clearance**: 3,570mm
- **Ground pressure**: 995mm
- **Bore & Stroke**: 1,215mm
- **Weight**: 98kN

### SERVICE DATA

- **Fuel tank**: 17L
- **Cooling system**: 18L
- **Engine oil**: 440mm
- **Air cleaner**
- **Hydraulic oil tank (level)**: 74L
- **Swing drive**: 155L
- **Operator weight**: 12,100kg
- **Ground pressure**: 38kPa
### Dimensions

#### HD512R

- **A (m): REACH FROM SWING CENTERLINE**:
  - Over Side: 1.93
  - 360°: 2.00

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<th>Unit: 1,000kg</th>
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#### Working Ranges

- **Bucket Width**: 600mm
- **Boom : 4.65m**
- **Arm : 2.50m**
- **Bucket : 0.50m³ (415kg)**
- **Counterweight**: 2,300kg

### Lifting Capacities

#### HD512R

<table>
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<tr>
<th>SHOE WIDTH: 500mm, BOOM: 4.45m, ARM: 2.50m, BUCKET: 0.50m³ (415kg), COUNTERWEIGHT: 2,300kg</th>
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<tbody>
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#### Standard Equipment

- COLOR MONITOR DISPLAY (APC150)
- AUTOMATIC AIR CONDITIONER (PRESSURIZED)
- KATOCOOL BOX
- REPEATED CLEARFIELD WINDSHIELD WIPER
- EMERGENCY EXIT REAR WINDOW
- PALM TYPE OF SPEAKERS
- 13" CIRCULAR CORN SPEAKER X2
- SLEDGE LIGHT
- 3 STD WORKING LIGHTS (SLIDING TABLE-R, BOOM L, CAB L)
- REAR VIEW MIRROR-X2
- WORKING MODE SELECTOR (APC150)
- AUTO SLOW, ONE TOUCH SLOW
- ISO MARKING AND ORBIT VALVE
- SLIDING ANT-COUNTER ACTION
- AUTOMATIC PARKING BRAKE (SLIDING TABLE)
- AUTOMATIC PARKING BRAKE (TRAVELING)
- SERVICE PORT (X4/45)

#### Optional Equipment

- OPTIONAL WORKING LIGHT (BOOM-R)
- OPTIONAL WORKING LIGHT (SWING)
- 2 WAY OPTION PUMP FOR CLEANSER & BREAKER
- OPTION PUMP (FOR BREAKER)
- ROOM VENT
- ELECTRIC NO-SPILL PUMP
- HIGHPRESSURE CLEANER FILTER
- START-STOP
- TRACK CLEANER (1 PZ FOR EACH SIDE)
- AIR CLEANER DOUBLE ELEMENT
- PRE-CLEANER
- COVER ON THE BOTTOM SIDE OF TRAVELING FRAME