Innovations
For The Future

HD1023R

HD1023RLC

FULLY HYDRAULIC EXCAVATOR

HD1023R

Bucket capacity: 0.55m³ - 1.5m³ (ISO)
Engine output: 125kW / 2,100min⁻¹ (ISO Net)
Operating weight: 23,000kg (HD1023R)
23,600kg (HD1023RLC)

Address Inquiries to:

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

KATO WORKS CO., LTD.
9-37, Higashi-ohi 1-chome, Shinagawa-ku, Tokyo 140-0011 Japan.
Tel.: Head Office Tokyo(03)3458-1111
Overseas Marketing Department Tokyo(03)3458-1115
Fax.: Tokyo(03)3458-1163
URL: http://www.kato-works.co.jp

QUALITY & EXPERIENCE
SINCE 1893
REGZAM means “ACTIVE MACHINE” with 5 essential design features

- User friendly design
- Reliable ISUZU Engine Mounted (6BG1)
- New APC Control
- Fatigue Free & Comfortable Cabin
- Powerful Operation
**Technical Specifications**

**ENGINE**
- Model: ISUZU 6BG1L 4 cycle intercooler turbo charged diesel engine
- Number of cylinders: 6
- Bore & Stroke: 165mm × 125mm
- Total displacement: 6.494 L
- Rated output: 125kW/2,100rpm (ISO)
- Max. torque: 637N·m/1,800rpm (ISO)
- Compression ratio: 18:1
- Combustion system: Direct Injection
- Cooling system: Pressurized water circulated by a centrifugal pump with thermostat
- Lubrication system: Gear oil fed by a gear pump through full-flow and by-pass cartridge filter
- Starter: Electric, 24V-4.5kW
- Generator: Alternator, 24V-50A
- Governor: Mechanical
- Air cleaner: Dry type

**HYDRAULIC SYSTEM**
- Pumps: Double variable piston pump and gear pump
- Max. discharge flow: 2x247L/min
- Max. discharge pressure: 31.4MPa (320kgf/cm²)
- Max. discharge pressure (travel circuit only): 32.9MPa (335kgf/cm²)
- Oil filtration: Full flow filter with replaceable element, a drain cartridge filter, a pilot line filter and a suction strainer
- Control valve: 5/4 section multiple control valve (with one free service circuit)
- Oil cooler: Finned tube, forced ventilation
- Pressure relief valves: Primary and secondary on each circuit

**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.
- Lubrication: Completely housed and maintenance free
- Max. swing speed: 11.0m/min
- Tail swing radius: 2.940m
- Min. front swing radius: 3.880m

**TRAVEL SYSTEM**
- Drive: Independent axial piston motor with reduction for each side
- Brakes: Independent disk parking brake for each side, applied automatically when the travel levers are in the neutral position.
- Track shoes: 47 each side HD1023R, 51 each side HD1023RC
- Track adjustment: Grease cylinders with recoil springs
- Lubrication: Sealed-for-life rollers and front idlers with floating seals
- Travel speed: High 0~5.5km/h
- Low 0~3.9km/h
- Gradingability: 70% (35°)
- Max. drawbar pull: 186.2kN (19,000kgf)
- Ground clearance: 480mm
- Track length: 4,200mm HD1023R, 4,640mm HD1023RC

**BOOM, ARM AND BUCKET**
- Boom cylinders: Two, double acting
- Arm cylinder: One, double acting
- Bucket cylinder: One, double acting
- Swing drive: 2x5.3kW
- Swing drive: 11.3kW
- Hydraulic oil tank (level): 165L (system): 290L
- In standard figure, with the 2.9m arm, 1,000mm grousers shoes and 1.9m³ (LC: 1.1m³): ISO, bucket, Operating weight: 23,000kg HD1023R, 23,600kg HD1023RC
- Ground pressure: 50kPa (0.28kgf/cm²): HD1023R, 47kPa (0.28kgf/cm²): HD1023RC

**SVCICE DATA**
- Fuel tank: 380L
- Cooling system: 24L
- Engine oil: 24L
- Track drive: 2x5.3L
- Swing drive: 11.3L
- Hydraulic oil tank: 165L
- (system): 290L
- In standard figure, with the 2.9m arm, 1,000mm grousers shoes and 1.9m³ (LC: 1.1m³): ISO, bucket, Operating weight: 23,000kg HD1023R, 23,600kg HD1023RC
- Ground pressure: 50kPa (0.28kgf/cm²): HD1023R, 47kPa (0.28kgf/cm²): HD1023RC

**CAB & CONTROLS**
- Type: All weather sound suppressed, 1,000mm wide pressed steel cab mount, 6 point suspension mounting.
- Right hand lever: Controls the boom & bucket
- Inner right hand lever: (with foot pedal) Controls the right hand track