REGZAM means “ACTIVE MACHINE” with 5 essential design features

- User friendly design
- Reliable Mitsubishi Engine (6D16-TLE2A)
- New APC Control
- Fatigue Free & Comfortable Cabin
- Powerful Operation
Equipment

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.

Technical Specification

Engine
- Model: Mitsubishi 6D16-TLE2A, 4-cylinder intercooler turbocharged diesel engine
- Number of cylinders: 6
- Bore & Stroke: 118mm x 115mm
- Total displacement: 7,54L
- Rated output: 184kW/2,150rpm (ISO Net)
- Max. torque: 831N·m at 1,800rpm (BA, 84kW, 820rpm (ISO Net)
- Compression ratio: 17.5:1
- Combustion system: Direct injection
- Specific fuel consumption: 225g/kW-hour (162g/kWhour)
- Cooling system: Pressurized water circulated by a centrifugal pump with thermostat
- Lubrication system: Pressurized oil fed by a gear pump through fully-flow and by-pass cartridge filter
- Starter: Electric, 24V-5KW
- Generator: Alternator, 24V-50A
- Air cleaner: Dry type filter

Hydraulic System
- Variable double piston pump and gear pump controlled by Automatic Power Control (APC) system.
- Max. discharge flow: 2X361L/min
- Max. discharge pressure: 31.4MPa (320kg/cm²)
- Max. discharge pressure (travel circuit only): 32.9MPa (335kg/cm²)
- Oil filtration: Full-flow filter with replaceable element, drain canister filter, a pilot filter, and a suction strainer
- Control valves: 8 x 4 section multiple control valves 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: 4 AC weather sound & suppressed, 1,000mm wide pressed steel cab mounted on 6 point vacuum mounting.

Right hand levers: Controls the boom & bucket
Inner right hand lever: Controls the right
Inner left hand lever: Controls the left hand
Track
Left hand lever: Controls the arm & swing
Pilot control: Travel, boom, arm, bucket, and swing
Engine throttle: Electric "Acetil-dial"
Meter & gauges: Hour meter, water temperature and fuel level
Indicator lamps: Engine diagnoses lamp
Working lights: Provided on the boom left side and mounted on the frame
Lubrication chart: Inside the toolbox

ACM150
- Quick selection of working modes
- Professional mode for heavy-duty application (H Mode)
- All-around multi-purpose mode for all application from precision work to heavy-duty work by stroke of operation levers
- ECO Mode for economical works
- Cock monitor display with back up light
- Engine oil pressure
- Engine oil filter
- Hydraulic oil filter
- Engine Preheater
- Hydraulic oil temperature
- Water temperature
- Water level
- Fuel level
- Battery charge
- APC monitor and air cleaner
- Fuel-water level
- Calendar

Boom, Arm and Bucket
- Boom cylinders: Two, double acting
- Bore & Stroke: 150mm x 1,450mm
- Arm cylinder: One, double acting
- Bore & Stroke: 170mm x 1,840mm
- Bucket cylinder: One, double acting
- Bore & Stroke: 155mm x 1,230mm
- Lubrication: Grease nipples, and center grease greasing for remote points
- Bucket digging force: 295kN (22,800kgf)
- Arm digging force: 196kN (16,900kgf)

Service Data
- Fuel tank: 690L
- Cooling system: 37L
- Engine oil: 39L
- Swing drive: 11.6L
- Hydraulic oil tank: 285L
- Operating weight: 30,600kg (HD1430R)
- Ground pressure: 616Kpa (600kgf/cm²) (HD1430R)
- 589Kpa (550kgf/cm²) (HD1430RC)
### Lifting Capacities

#### HD1430R

<table>
<thead>
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<th>Point</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>2.0m</td>
<td>4,100</td>
<td>3,700</td>
<td>3,100</td>
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<tr>
<td>3.0m</td>
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<tr>
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#### HD1430RLC

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### Working Ranges

#### Bucket Types

- **HD1430R**
  - Standard Bucket
  - Long Arm Bucket
- **HD1430RLC**
  - Standard Bucket
  - Long Arm Bucket

#### Track Shoes

- **Standard Shoes**
  - HD1430R
  - Width: 600mm
  - Overall Width: 1,130mm
- **Option Shoes**
  - HD1430R
  - Width: 700mm
  - Overall Width: 1,230mm
  - Width: 800mm
  - Overall Width: 1,330mm

### Standard Equipment

- Color Monitor Display (APC150)
- Automatic Air Conditioner (Pressurized)
- Hot & Cool Box
- Intermittent Windshield Wiper
- Emergency Exit Rear Window
- AM/FM Radio (2 ... Park)
- Parking Brake (Traveling)
- Service Port (1 SPOOL)
- Track Guard (1 PD Each Side)
- Track Guard (3 PCS Each Side)

### Optional Equipment

- Seat-Belt
- Transparent Roof Hatch with Sun Visor
- Windshield Full Size Guard
- Cabin Light
- Four-Way Option Paving (Sliding Height, Sliding Width, Sliding Height, Sliding Width)
- Electrical Roll-Up Gate
- Pre-Cleaner
- Fire Extinguisher (5 PCS Each Side)
- Full-Length Frame Covers (4 PCS Each Side)
- Cab on the Outboard of Traveling Frame
- Main Package

### Dimensions

- **HD1430R**
  - HD1430RLC
  - Unit: mm

### General Notes

1. Lifting capacities are based on ISO 10567.
2. Lifting capacities shown do not exceed 87% of machine hydraulic capacity or 75% of minimum tipping load.
3. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
4. Lifting capacities are based on machine standing on firm, uniform supporting surface.
5. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
6. Capacities apply only to the machine as originally manufactured and equipped by KATO WORKS CO., LTD.
7. The operator should be fully acquainted with the operation manual before operating the machine.