Innovations For The Future

Dimensions

HD1430V
HD1430V LC

Unit: mm

HD1430VLC: Less grouser bar

Address Inquiries to:

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

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KATO
QUALITY & EXPERIENCE SINCE 1895

FULLY HYDRAULIC EXCAVATOR

HD1430V
Bucket capacity: 1.1 m³–1.8 m³ (ISO)
Engine output: 183 kW/2,150 min⁻¹ (ISO Net)
Operating weight: 31,000 kg (HD1430V)
31,800 kg (HD1430VLC)
It is a word of ACTIVE MACHINE with 5 essential design features

- User friendly design
- Environmentally cautious design
- Lower fuel consumption
- Powerful Operation
- Robotic shape design
**Technical Specifications**

**ENGINE**
- **Model:** Mitsubishi 6M60-TLE3A, 4 cycle intercooler turbo charged diesel engine
- **Number of cylinders:** 6
- **Bore & Stroke:** 118mm × 155mm
- **Total displacement:** 183kW, 1,500rpm
- **Rated output:** 183kW, 1,500rpm
- **Max. torque:** 1,824 Nm at 1,800rpm
- **Fuel consumption:** 228g/kWh (168g/kWh at idle)
- **Cooling system:** Pressurized water circulated by a centrifugal pump with thermostat
- **Emergency stop:** Pressurized oil fed by a gear pump through high and bypass cartridge filter
- **Engine:** Electric, 24V-32KW
- **Generator:** Alternator, 24V-30A
- **Fuel Injection system:** Electronic Control Common rail type
- **Air cleaner:** Dry type filter

**HYDRAULIC SYSTEM**
- **Variable double piston pump and gear pump controlled by Automatic Power Control (APC) system.**
- **Max. discharge flow:** 2x307 l/min
- **Max. discharge pressure:** 31.4MPa (320kgf/cm²)
- **Min. discharge pressure (travel circuit only):** 2x32.9MPa (335kgf/cm²)
- **Oil filtration:** Full-flow filter with replaceable elements, drain cartridge filter, a pilot inlet filter and a suction strainer
- **Control valves:** 3/4 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:** All-weather sound suppressed, 1,000mm wide presssed steel cab mounted on 6 point viscose mounting.

**SWING SYSTEM**
- **Drive:** Axial piston motor with shockless valve and reduction gear.
- **Brake:** A hydraulic brake that kicks in 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 back. When the engine is turned off the swing control lever is in the neutral position.
- **Lubrication:** Completely housed and grease bathed

**TRAVEL SYSTEM**
- **Drive:** Independent axle 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:** 48 each side HD1430V, 51 each side HD1430VL
- **Roller:** 2 upper, 7 lower (8 ft for LC)
- **Track adjustment:** Grease cylinders with recall springs
- **Lubrication:** Squeak-free bearings and floating seals
- **Travel speed:** High 0 to 5.7km/h, Low 0 to 3.3km/h

**BOOM, ARM AND BUCKET**
- **Boom cylinders:** Two, double acting
- **Bore & Stroke:** 150mm × 1,460mm
- **Arm cylinder:** One, double acting
- **Bore & Stroke:** 170mm × 1,400mm
- **Bucket cylinder:** One, double acting
- **Bore & Stroke:** 150mm × 1,230mm
- **Lubrication:** Grease nipples, with centralized greasing for remote points

**SERVICE DATA**
- **Fuel tank:** 650 L
- **Cooling system:** 44 L
- **Engine oil:** 32 L
- **Swing drive:** 11.5 L
- **Hydraulic oil tank (level):** 200 L
- **Swing drive:** 404 L
- **In standard figure, with the 3.14mm, 600mm grousers and 1.4m² (ISO), bucket.
- **Operating weight:** 31,000kg (HD1430V), 31,800kg (HD1430VL)
- **Ground pressure:** 625kPa (HD1430V), 595kPa (HD1430VL)

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**New Display APC200**

**Powerful & Steady Operation**
- **Amm Digger Force:** 159kN (with High Power: 166kN)
- **Bucket Digger Force:** 224kN (with High Power: 235kN)

**Advanced Noize Emission Control**
- Lower noise emission control adopting low noise exhaust muffler and advanced low noise hydraulic system offers fatigue-free and safer operation. Low noise means less energy loss machine.

**Responsible Emission Control and Lower Fuel Consumption**
- Mitsubishi 6M60-TLE3A 183kW, 1500x2, 1500mm³

**PROMINENT FEATURES**
- All-weather sound suppressed, 1,000mm wide presssed steel cab mounted on 6 point viscose mounting.