HITACHI

SUPER EX200-V

Rated Engine
HP: 132 (98 kW)

Operating Weights
EX200LC: 45,000 lb (20 400 kg)

Bucket Capacity
.67 – 1.57 yd³ (.51 – 1.20 m³)
Putting Technology To Work

Hitachi’s Super EX200 puts advanced technology to work. Rugged enough to stand up to your toughest jobs, with “Human Touch” engineering to make getting those jobs done a lot more comfortable. They are built to survive, built to perform, and built to give you real value for your dollar.

**Features**

- Isuzu A-6BG1T turbo-charged, direct injection diesel engine meets all EPA clean air requirements.
- Dash-5 engine/hydraulic control with three power modes, a power boost button, and four work modes.
- Power modes:
  1. Normal: Standard operation.
  2. H/P: Increased engine rpm and horsepower.
  3. E: Maximum fuel efficiency in light duty applications.
- Work modes:
  1. General Purpose
  2. Grading
  3. Precision
  4. Attachment
- Cab mounted on six fluid-filled, vibration dampening, shock absorbing mounts.
- Compact travel motor design; protected piping reduces opportunity of damage.
- The updated work modes provide power in the order of the inherent priority for the job at hand. For example, in the Grading Mode, the arm rolls in slowly and powerfully while rolling out quickly for efficient grading. The Attachment Mode provides automatically adjusted oil flow to meet the requirements of the attachment.
- The Super EX200, as with all Hitachi excavator models, is built to maximize performance, reliability, and operator comfort through optimum design and quality components. The Isuzu engine is matched to the hydraulic pump for outstanding multiple function performance. The undercarriage, cab, and front attachment are balanced and designed for maximum strength. All of this means that your Hitachi EX200 will work economically and productively for years and for thousands of hours at minimum operating costs.

**Specifics**

- Operating Weight: 45,000 lb (20,400 kg)
- Power: 132 HP (98 kW)
- Travel Speeds: 0-3.4 mph (0-5.5 kph)
- Max. Lift Capacity: 20,900 lb (9,480 kg)
- Gradeability: 35° (70%)
- Traction Force: 38,000 lb (17,300 kg)
- Gradeability: 38,100 lb (17,300 kg)
Powertrain: Efficient, Powerful

Enhanced E-P Pump Control

A sophisticated micro-computer system guided by multiple actuators is standard on the EX200. Hitachi is renowned for the smooth operation of its excavators and this model is no exception. The Dash-5 controls provide quick, accurate response to multi-function swing-lift-bucket curl operations. A power boost feature is activated when the operator pushes a thumb button providing 6% more hydraulic power for eight seconds.

Enhanced Cooling Protection

The EX200 features a large 6.1 U.S. gallon (23 liter) radiator coolant capacity, a tightly fitting fan shroud and high capacity fan design. The engine is well ventilated, including vents on the engine cover.

Operator Comfort:

A Top Priority

Sitting in one place, all day, operating a machine productively takes concentration and dedication to doing a good job. It also means that a smart owner is going to do everything possible to make sure his operator is comfortable in the cab. The Hitachi EX200 is an excellent example of how comfortable a well-designed cab can be.

The widest cab in its class: 3 ft. 4 in. (1,005 mm) LOTS of leg room, wide side door. The ergonomically-designed seat is fully adjustable with tilting armrests, tilting back, floating or solidly fixed seat, headrest tilt, and seat raise/lower.

The hand control levers can be raised or lowered to match the operator’s build, and the controls can either glide forward or back with the seat or remain fixed while the seat moves.

The work modes, power modes, air conditioning controls, and dial-type engine speed control are all located beside the operator.

The cab floats on six fluid-filled elastic mounts that smooth out shocks and jolts.

Air conditioning and a “Hot and Cool” box are standard on the EX200. The large capacity unit features front and rear rotatable louvers. Automotive-type controls blend hot and cold air to provide the perfect temperature.

The operator’s view makes calls, productive operation easier to accomplish. The front window crosspiece is lower for improved downward visibility. The right side window is bigger and the overhead window is larger.

Isuzu A-6BG1T six-cylinder turbocharged diesel engine puts out power to spare. With 132 horsepower (98 kW), this engine meets EPA and CARB regulations. Maximum torque is 340 lbf•t (47 kgf•m).

Bulkhead Separates Engine From Hydraulic Pumps

A steel bulkhead separates the hydraulic pumps and engine. It keeps engine and pump compartments cleaner for easier maintenance and helps to minimize noise generation.

AM-FM Radio
Great Machine Balance

One of the EX200’s secrets for operator acceptance is that the machine is so well balanced. It is easier to get fuller buckets faster with the EX200. This allows the operator to use all the power available. This outstanding balance makes the operator productive while giving a higher level of confidence and comfort.

Work Modes For Increased Performance

- The four work modes have been enhanced from prior models.
- The General Purpose Mode is appropriate for general digging and truck loading. All circuits work together.
- The Grading Mode provides priority to the combined operation of boom raise, stick forward and bucket adjustment while limiting control response so that the movement is smooth.
- The Precision Mode keeps the front attachment moving precisely and slowly.
- The Attachment Mode is designed to automatically match the oil flow requirements of selected attachments such as a hydraulic hammer. Additional piping is required (optional).

H/P and E Modes For Increased Efficiency

- The Normal mode is for normal or average applications. The engine runs at an efficient maximum speed for longest life and general economy. The hydraulic pump runs at a baseline 100%.
- The H/P mode provides the full power of the EX200 on command. This function increases engine rpm when activated, thus providing more horsepower when needed – up to 142 hp (105 kW).
  - Engine rpm automatically increases when the arm-in function meets resistance.
  - Automatically switches back to normal rpm and 132 hp (98 kW) when resistance is overcome for fuel savings.
- The E mode provides 94% of full power while providing 15% more fuel efficiency. It is appropriate for light-duty work because it allows you to work longer before refueling.

Power Boost At Your Thumb

A thumb-actuated power boost switch provides an additional 6% of hydraulic power for about eight seconds in the Normal, E or H/P mode.

Premium Quality Design and Manufacture

Hitachi excavators are designed to work smoothly and dependably. The EX200 features an excellent cab that is comfortable yet will withstand years of hard use. The cab and undercarriage are rugged and require minimal maintenance. The Hitachi Dash-5 models incorporate the best in ergonomic design and features to provide an outstanding package of productivity, reliability and lasting value.

“D” Section Frame

The “D” section frame is designed to resist deformation. It protects the upper structure from damage due to lateral impacts during swing.
Long-Life, High-Hour Durability

**Longer-Life Undercarriage**

Hitachi undercarriages feature premium grade tracks with large track links fitted with struts for added durability. Pin seals prevent dirt in the bushings and reduce inner wear. The tracks feature heavy-duty track links, front idlers, upper/lower rollers and track center guard.

**Round Travel Motor Covers**

Round travel motor covers provide a higher resistance to deformation.

**Rugged X-Frame**

The tough tractor type undercarriage and X-form center frame assure superb durability.

**Round Hydraulic Tank**

A round hydraulic tank provides superior circulation of the hydraulic oil so that it's kept cleaner and more evenly cooled.

**Track Center Guard**

Track center guard keeps track links engaged.

**Air Cleaner Stored Inside**

An air cleaner, stored inside the upperstructure cover, allows simple replacement of elements from the ground.

**Remote Lube**

All lube points are clustered in three central areas.

**Reinforced Front Attachment**

The boom is made of thickened plates at the boom foot and three inside bulkheads. The arm has thickened plates at its top, sides and bottom to increase ruggedness and to resist twisting.

**Super Strong Piping**

Hitachi is legendary for its strong, long-lasting hydraulic hoses, piping and fittings. This provides outstanding reliability and cleanliness.

**Perfectly Matched Hydraulic System**

Hitachi expertly matches the engine to the hydraulic pumps and control valves for the best response and longest life possible. The pumps are designed to work specifically with the Isuzu engine - regardless of rpm or work load.
Specifications: EX200

Engine
- Type: 4-cylinder, water-cooled, direct injection
- Displacement: 2,149 cc
- Rated speed: 3,300 rpm
- Maximum power: 132 hp (98 kW) at 1,950 rpm
- Maximum torque: 396 ft-lbf (545 kgf-m)
- BORE & STROKE: 4.13" x 4.92" (105 mm x 125 mm)
- CRANKCASE: Cast iron
- HOGGAGE: 4,000 lbs (1,814 kg)
- OIL PUMP: Gear type
- Oil filter: In-line type
- A/C: Air conditioning
- HULT: Turbocharged

Controls
- Pilot controls. Hitachi’s original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil.
- Implement levers: 2
- Travel levers with pedals: 2

Uppercrane
- Welding type: Welding head
- Boom and arm: Welded, box-section design.
- Boom: 5.68 m (18'), 9.21 m (30')
- Arm: 2.91 m (9'), 4.41 m (15')
- Bucket: 0.80 m³ (1.05 yd³)
- Arm: 0.65 m³ (0.89 yd³)
- Boom and arm: 0.45 m³ (0.59 yd³)

Undercarriage
- Tracked undercarriage
- Track frame: Welded
- Track shoes: 24" (600 mm), 31" (800 mm), 35" (900 mm)
- Track guard: 1
- Travel levers: 2
- Swing levers: 2

Safety
- Traction device: 2-speed, 2-speed
- Arm: 2-speed, 2-speed
- Bucket: 2-speed, 2-speed
- Traction control: 2-speed
- Bucket control: 2-speed

Weights and Ground Pressure
- Operating weight: 41,800 lbs (19,100 kg)
- Bucket: 4,250 lbs (1,930 kg)
- Ground pressure: 6.33 psi (0.44 kgf/cm²)
- Operator's Cab: 242 lbs (106 kg)
- Engine: 390 lbs (176 kg)

Backhoe Attachments
- Front attachment: Bucket
- Rear attachment: Ripper

Service Repair Capacities
- Fuel tank: 81.9 US gal (310.0 Imp gal)
- Engine oil: 21.0 US gal (77.1 Imp gal)
- Transmission oil: 18.6 US gal (69.2 Imp gal)
- Hydraulic oil: 40.0 US gal (151.9 Imp gal)
- Tie rod: 2.6 US gal (9.7 Imp gal)
- Hydraulic fluid: 25.0 US gal (93.9 Imp gal)

These specifications are subject to change without notice.

As of January 1, 2023

Not recommended
Specifications: EX200

### Working Ranges

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<thead>
<tr>
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<th>C</th>
<th>D</th>
<th>E</th>
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<td>14'</td>
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<td>18'</td>
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<td>9'7&quot;</td>
<td>11'10&quot;</td>
<td>13'7&quot;</td>
<td>16'2&quot;</td>
<td>18'8&quot;</td>
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<td>7'6&quot;</td>
<td>10'1&quot;</td>
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<td>17'9&quot;</td>
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</tbody>
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**Notes:**
1. Ranges are based on full SAE (SAE) torque.
2. Lifting capacity of the swing at 45 degrees does not exceed 75% of the maximum. If operated at a 45-degree angle, the bucket should not exceed 75% of its rated capacity.
3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
4. * Indicates load limited by hydraulic capacity.

### EX200

#### Lifting Capacities: EX200

**Ratings:**
1. Load radius
2. Load point height
3. Lifting capacity

<table>
<thead>
<tr>
<th>Load point height</th>
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<tbody>
<tr>
<td>9' (2.74 m)</td>
<td>10' (3.048 m)</td>
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<tr>
<td><strong>(6.05 m)</strong></td>
<td><strong>(6.70 m)</strong></td>
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<tr>
<td>10' (3.048 m)</td>
<td>12.90</td>
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<tr>
<td><strong>(5.97 m)</strong></td>
<td><strong>(6.70 m)</strong></td>
</tr>
<tr>
<td>15' (4.572 m)</td>
<td>19.90</td>
</tr>
<tr>
<td><strong>(9.42 m)</strong></td>
<td><strong>(10.72 m)</strong></td>
</tr>
</tbody>
</table>

**Unit:**
- ft in (m)

### Dimensions

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<td>7'6&quot;</td>
<td>10'1&quot;</td>
<td>16'1&quot;</td>
<td>17'1&quot;</td>
<td>23'0&quot;</td>
<td>28'5&quot;</td>
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<tr>
<td>(2.28 m)</td>
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<td>(4.89 m)</td>
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<td>(7.01 m)</td>
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<td>8'0&quot;</td>
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<td>(7.39 m)</td>
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**Unit:**
- in (mm)

### Bucket:
- Max. digging reach (on ground) 32'9" (9.98 m)
- Max. digging reach (off ground) 36" (9.15 m)
- Max. digging depth 16'10" (5.14 m)
- Max. cutting height 30'1" (9.17 m)
- Max. vertical wall 16'10" (5.14 m)
- Max. wall force 7,540 lbf (33.6 kgf)

**Rated:**
- SAE: PCSA 12,300 lbf (5.50 kgf)
- ISO 16,300 lbf (7.40 kgf)
- CAT 21,000 lbf (9.50 kgf)

**Rated at**
- 1,000 lb (454 kg)

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**Notes:**
1. Ratings are based on full SAE (SAE) torque.
2. Lifting capacity of the swing at 45 degrees does not exceed 75% of the maximum. If operated at a 45-degree angle, the bucket should not exceed 75% of its rated capacity.
3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
4. * Indicates load limited by hydraulic capacity.

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**Dimensions:**
- A. Distance between drawbars 11'1" (3,370 mm)
- B. Undercarriage length 13'8" (4,170 mm)
- C. Counterweight clearance 3'5" (1,030 mm)
- D. Rear-end swing radius 9'0" (2,750 mm)
- E. Min. swing radius 7'7" (2,310 mm)
- F. Front pin distance 5'7" (1,700 mm)
- G. Track gauge 7'7" (2,310 mm)
- H. Track shoe width 24" (600 mm)
- I. Track shoe length 7'8" (2,340 mm)
- J. Overall width 9'5" (2,860 mm)
- K. Overall height of boom 9.55 m
- L. Overall height 9'5" (2,860 mm)
- M. Overall height of boom 9.55 m
- N. Track height with triple guage shoes 30" (762 mm)

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Specifications: EX200

Standard Equipment

- All-weather sound-suppressed steel cab
- Reinforced, tinted (bronze color) glass windows
- 6-ply rigid plastic exhaust stacks
- Front and left side windows open
- Intermittent retractable windshield wipers
- Front window washer
- Adjustable defrosting suspension seat with adjustable armrests
- Footrest
- Electric double horn
- Auto-tuning radio with digital clock
- Auto-idle switch
- Seat belt
- Cigarette lighter
- Ashtray
- Parcel pocket
- Glove compartment
- Floor mat
- Heater
- Pilot control shut-off lever
- Air conditioning
- Hot & Cool box

EX200LC

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Optional Equipment

- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Additional pump
- Piping kit for extra valve port
- Pre-cleaner

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

Notes:
1. Ratings are based on UNI 3087/3.
2. Lifting capacity of the Super EX series does not exceed 75% of tipping load with the machine on four, level ground at 80% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. * Indicates load limited by hydraulic capacity.

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel-filling cap
- Slip-resistant tapes and handrails

Lifting Capacities: EX200

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Hitachi excavators, mini excavators, mining shovels, cranes and forestry machines are the best you can buy. Our commitment to superior product support is equally outstanding.