HITACHI

SUPER EX110-V

Rated Engine HP
76 hp (57 kW)
Max Power: 80 hp (59 kW)

Operating Weight
EX110: 24,700 lbs
(11 200 kg)

Bucket Capacity
0.25 – 0.77 yd^3
(0.19 – 0.59 m^3)

SUPER EX110-V

Putting Technology To Work

Model	Operating Weight	Travel Speeds	Max. Lift Capacity	Gradeability	Traction Force
EX110	24,700 lbs (11 200 kg)	0 - 3.4 mph (0 - 5.5 km/h)	14,240 lbs (6 460 kg)	35¡ (70%)	19,600 lbf (8 900 kgf)

The EX110 is smoother, faster and more powerful than its predecessor, the EX100. ItÕs very trailerable, easy to get into tight applications, yet extremely productive. The EX110 features the most advanced computerized horsepower and control system available: HitachiÕs exclusive Dash-5 system. The controls are responsive; in fact, infinitely controllable. The machine Õs power and balance are exciting.

Specifics

- Isuzu A-4BG1 non-turbo, direct injection diesel engine is extremely fuel-efficient and reliable. It meets all EPA clean air requirements.
- *Dash-5* engine/hydraulic control with three power modes 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, which provides automatically adjusted oil flow to hydraulic attachments.
- Cab mounted on six fluid-filled, vibration dampening, shock absorbing mounts.
- Compact travel motor design; protected piping reduces opportunity of damage.

Features

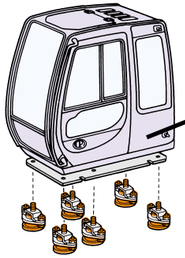
- The updated work modes provide power in the order of inherent priority to do the best job for the project at hand. The Hitachi EX110 has excellent multi-function features which allow multiple jobs such as travel, swing and boom raise all at the same time without any one function stopping.

- The Super EX110, 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, carbody and front attachment are all balanced and designed for maximum strength. All of this means that your Hitachi EX110 will work economically and productively for years and for thousands of hours at minimum operating costs.

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 EX110 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 cab floats on six fluid-filled elastic mounts that smooth out shocks and jolts.

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.

Work Modes For Increased Performance

The four work modes have been enhanced from prior models.

① The General Purpose Mode is appropriate for general digging and truck loading. All circuits work together.

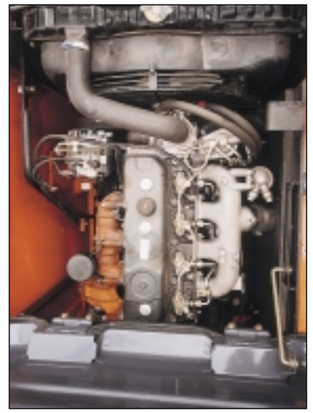
② The Grading Mode provides priority to the combined operation of boom raise, stick forward and bucket adjustment while limiting control response so that the movement is smooth.

③ The Precision Mode keeps the front attachment moving precisely and slowly.

④ 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).

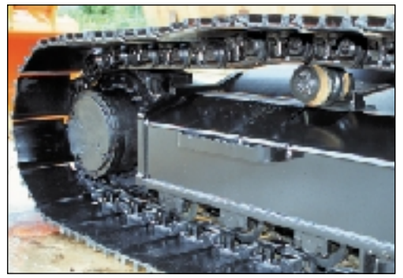
H/P and E Modes For Increased Efficiency

- 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 EX110 on command. This function increases engine rpm by 6% when activated, thus providing 5% more horsepower when needed – 80 hp (59 kW).
  - – Engine rpm automatically increases when the arm-in function meets resistance.
  - – Automatically switches back to normal rpm and 76 hp (57 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.



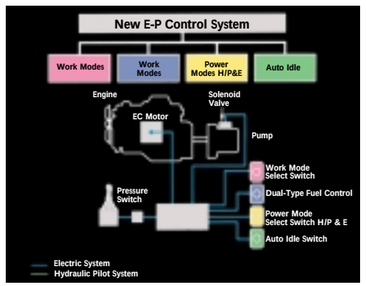
Economical Isuzu 76 hp Engine Is Dependable, Long-Lasting

The Isuzu engine in the EX110 is one of the most proven, most dependable engines in the world. It is a non-turbo'd, direct injection engine with a low rpm peak torque of 210 lbf·ft. This is an updated engine that meets all EPA, CARB pollution and noise standards. The 4 cylinder, 264 cu. in. (same size as the EX160) engine is rated at 76 hp (57 kW).



Outstanding Traction Force

The traction force has been increased to 19,600 lbf (8 900 kgf) for improved movement through mud and over obstacles.



Enhanced E-P Pump Control

A sophisticated micro-computer system guided by multiple actuators is exclusively standard on the EX110. Hitachi is renowned for the smooth operation of its excavators and this model is no exception. The new *Dash-5* controls provide quick, accurate response to multi-function swing-lift-bucket curl operations.

Enhanced Cooling Protection

The EX110 features a 4.9 U.S. gallon (18.4 liter) radiator coolant tank, a tightly fitting fan shroud and a high capacity fan. The radiator fins are easily cleaned, and the coolant level is easily checked from the ground during normal inspection.

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