



**CASE**  
CONSTRUCTION

# HYDRAULIC EXCAVATORS



CX490C

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**MIMICO**

# MAIN REASONS TO CHOOSE THE C-SERIES



## HIGH PRECISION AND CONTROLLABILITY

High performance.  
Smooth control.  
Fuel saving.  
**With CASE Intelligent Hydraulic System.**



## HIGH RELIABILITY

Robust design.  
Increased durability.  
Lower cost of ownership.  
**With the CASE top manufacturing quality  
and heavy duty arm/boom.**



## HIGH VERSATILITY

The perfect machine for every application.  
**With 3 power modes and 10 auxiliary  
hydraulic settings.**



## HIGH EFFICIENCY

Up to **8%** more fuel efficiency.  
Constant consumption monitoring.  
**With the 5 Energy Saving Controls, Isuzu Tier III engine  
and the new ECO gauge function.**





### **FAST CYCLES**

Higher breakout force.  
Continuous operations.  
Up to **10%** higher digging capability.  
**With H/SP modes and  
Auto Power boost.**



### **OUTSTANDING VISIBILITY**

Safe and fast operations.  
More comfort.  
**With wider glazed area and  
rear cameras\*.**  
(\* Rear cameras are optional)



### **COMFORT AND SAFETY**

Spacious and safe cab.  
Low noise and vibrations.  
Ergonomic workstation.  
Real time parameters monitoring.



### **LOW TOTAL COST OF OWNERSHIP**

Longer service intervals.  
Reduced downtimes.  
Fast, easy and safe maintenance operations.  
**With the EMS bushings, high quality components  
and service points accessible from the ground.**





# C-SERIES

## HYDRAULIC EXCAVATORS

### HIGH PRECISION AND CONTROLLABILITY

The proven CASE Intelligent Hydraulic System (CIHS) delivers impressive machine control with unrivalled energy and fuel savings in all cycle time phases.



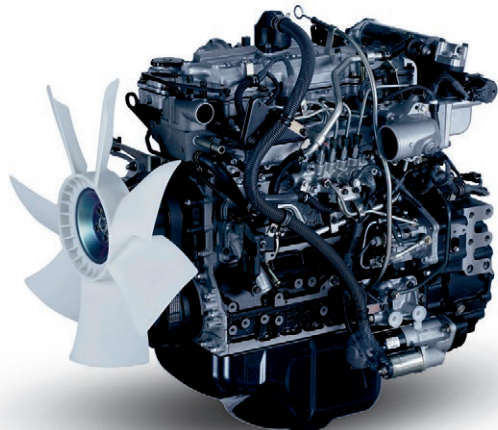
### HIGH EFFICIENCY

CASE advanced energy management consists of **5 Energy Saving Controls**:

- **Torque Control**: electronic control of the hydraulic oil flow to prevent engine overloads.
- **Boom Economy Control (BEC)**: increased fuel efficiency in boom lowering/swinging operations.
- **Swing Relief Control (SWC)**: optimised hydraulic power distribution in slewing operations to deliver the most efficient flow and pressure.
- **Spool Stroke Control (SSC)**: automatic pressure adjustment during digging and levelling operations.
- **Idle functions**:
  - **Auto Idle**: lowers engine rpm after 5 seconds of lever inactivity;
  - **Idle Shutdown**: shuts the engine down after a pre-set time.

The C-series models are powered by **Tier III Isuzu engines**, designed to boost machine performance and optimise fuel economy.

Fuel consumption can be constantly monitored by the operator throughout the **new ECO gauge function**, that displays in real time the energy saving fuel utilised.





## HIGH RELIABILITY

Heavy Duty or Mass Excavation: durability is in the CASE DNA.

- CX490C is equipped with Heavy Duty boom and arms as standard, to grant a long-lasting durability in every working conditions.
- For the toughest applications or when a massive production is required (for instance in quarry or mining applications), CX490C is the ideal machine: thanks to the shorter dimensions and the ultra-heavy duty design of both monoboom and arm, the bigger bucket cylinder and the optimised kinematics, which delivers industry leading speed, productivity and efficiency.

### Accurate, simple and robust design for high durability.

- The C-Series delivers leading design solutions and manufacturing quality.
- Boom and arm feature forged brackets and reduced tolerances for increased component life, minimizing downtime.
- The anti-friction resin shims in the boom foot and head reduce noise and free play, increasing **durability and reliability for the customer.**
- New synthetic hydraulic filter reduces system contamination, **cutting service costs and boosting machine longevity.**
- New high strength casting parts with joined hinge flanges **reduce stress on components.**
- The 'sloped' Lower frame design reduces the time needed to clean the undercarriage.



# C-SERIES

## HYDRAULIC EXCAVATORS

### COMFORT AND SAFETY

- Superior wide and roomy cab with ample legroom.
- New cushioning system to lower noise and vibration levels for the operator's ultimate comfort.
- Totally adjustable workstation with fully reclinable air –suspended seat.
- Air conditioning system with 25% more airflow and 6% better performances compared to B-Series.



### OUTSTANDING VISIBILITY

- Wider glazed surface with single piece side window.
- New 7" LCD cluster for a more secure and safe working environment and to constant monitor the main machine parameters.



## FAST CYCLES

The advanced hydraulic system offers higher breakout forces, improved swing speeds and greater swing torque, resulting in **faster cycle times and 5% increase in productivity.**

Power boost function is automatically engaged. The electronic management of speed and power lowers fuel consumption and offers considerable productivity benefits in terms of outputs.

## HIGH VERSATILITY

3 power modes to match any customer need:

- A AUTO:** for normal digging, grading, lifting and precision work.
- H HEAVY:** for heavy operations always granting the best balance between productivity and fuel economy.
- SP SUPER POWER:** extra speed and power for the most demanding jobs that require maximum productivity.



Operators can store up to 10 auxiliary hydraulic flow settings (and pressures as optional) to easily switch among different attachments with no need of any mechanical adjustment.

## LOW TOTAL COST OF OWNERSHIP

- The **Extended Maintenance Bushings (EMS)** provide longer greasing intervals, **reducing daily and weekly maintenance for the operator.**
- All filters and regular check points are grouped and easily accessible from the ground.
- Radiator and cooler are mounted side by side for more efficient cooling and easy access for cleaning.
- Refueling pump with auto cut off reduces downtime for regular fills.





# BUILDING A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

**CASECE.com**

NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your CASE dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

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