



**CASE**  
CONSTRUCTION

# E-SERIES CRAWLER EXCAVATORS



CX210E

# HERITAGE

## A TRADITION OF INDUSTRY FIRSTS



**1842**

CASE is founded.

**1869**

The first CASE portable steam engine - road construction is born.

**1957**

The first factory-integrated loader/backhoe in the world: a CASE industry first.

**1969**

CASE begins skid steer loader production.

**1977**

CASE acquires Poclair, a French brand leader in the excavators market.

**1992**

Sumitomo becomes supplier to CASE Corporation distributing excavators ranging from 7 to 80 tons.

**1998**

Global Alliance signed between CASE Corporation and Sumitomo.

**2001**

CASE introduces the first of its CX excavators, powerful new "thinking machines" designed to enhance productivity through onboard intelligence features.

**2007**

CX210B is awarded the «Good Design Award» by the design Academy of Japan.

**2008**

CX210B wins the 18<sup>th</sup> «Energy Conservation Award» from the Agency for Natural Resources and Energy of the Japanese Ministry of Economy.

**2011**

CASE becomes the first construction equipment manufacturer to offer both selective catalytic reduction and cooled exhaust gas recirculation as solutions to meet stringent emissions standards.

**2015**

CASE launches the new "D-Series" Tier 4 final / EU Stage IV Crawler Excavators.

**2018**

Stage V production for models CX350D and above, followed by Short Radius models.

**2021**

CASE introduces the first models of Stage V E-Series Crawler Excavators, featuring new FPT engine, new monitor, enhanced hydraulics and improved connected services.

# CRAWLER EXCAVATORS

## E-ENHANCED GENERATION

### ENHANCED QUALITY AND RELIABILITY

#### *Stronger than ever, built to last*

- + The reinforced clamp improves the pipe holding force on the boom.
- + The shape and thickness of the inner reinforcement plate thickness increases the boom's durability.
- + The tolerance of the boom and arm cylinder pins has been updated to reduce clatter and play within the bushing.
- + A new stop valve adjustment mechanism has been added for easier piping-valve connection.
- + The more compact assembly of the undercarriage recoil spring and grease cylinder facilitates clearing the mud.
- + The CX210E and CX250E feature a new, more efficient and durable travel motor, while the upgraded travel motor on the CX300E delivers higher drawbar pull.
- + The upper carrier rollers [on CX160E / CX180E / CX210E / CX250E] have been upgraded for greater durability.
- + The shoe bolt size [on CX300E] has been increased.

### ENHANCED PRECISION AND CONTROLLABILITY

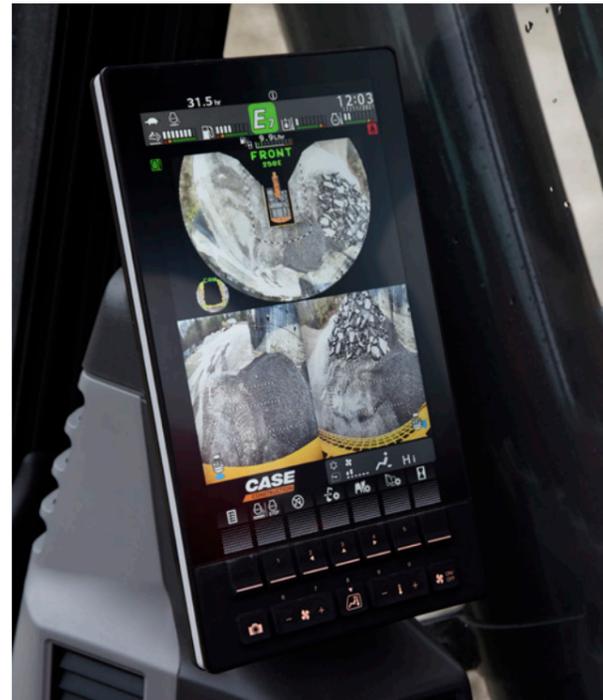
#### *Smooth control, efficient operation – more than ever*

The trademark **CASE Intelligent Hydraulic System (CIHS)** is now paired with new work modes and adjustable hydraulic settings to deliver smoother and more efficient operation than the previous generation.



# E-SERIES

## CRAWLER EXCAVATORS



### ENHANCED VERSATILITY

*A high degree of customization for every task*

The new-concept work modes with independent throttle position offer a precise match to the requirements of every task:

**SP (Super Power)** mode for maximum productivity (as in D-Series) with the throttle set at maximum power.

**P (Power)** mode replaces H and A mode in D-Series, with throttle settings from 1 to 10.

**E (Eco)** mode for maximum fuel economy, with throttle settings from 1 to 10.

**L (Lifting)** mode is optimized for object handling with power boost permanently activated and overload warning system, and throttle settings from 1 to 6.

The choice of available work modes can be locked by the machine owner.

**NEW** The ground-breaking Eco mode reduces fuel consumption through selective control of engine and pump depending on the movement. It maintains maximum pump torque to deliver high productivity, while minimizing fuel consumption during low effort operations.

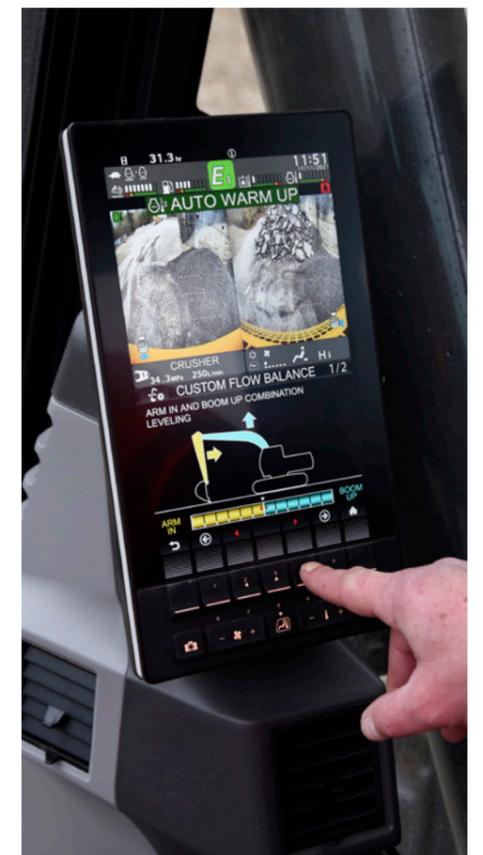
The balance of the hydraulic flows can also be customized to suit the operator's preferences:

- + “Arm In” vs “Boom Up”
- + “Arm In” vs “Swing” [only from CX210E upward]

The E-Series takes versatility even further by enabling the operator to select the type of work tool and input the customizable model number on the machine's monitor. When selecting the flow and pressure settings, they can also set the maximum overflow to protect the attachment.

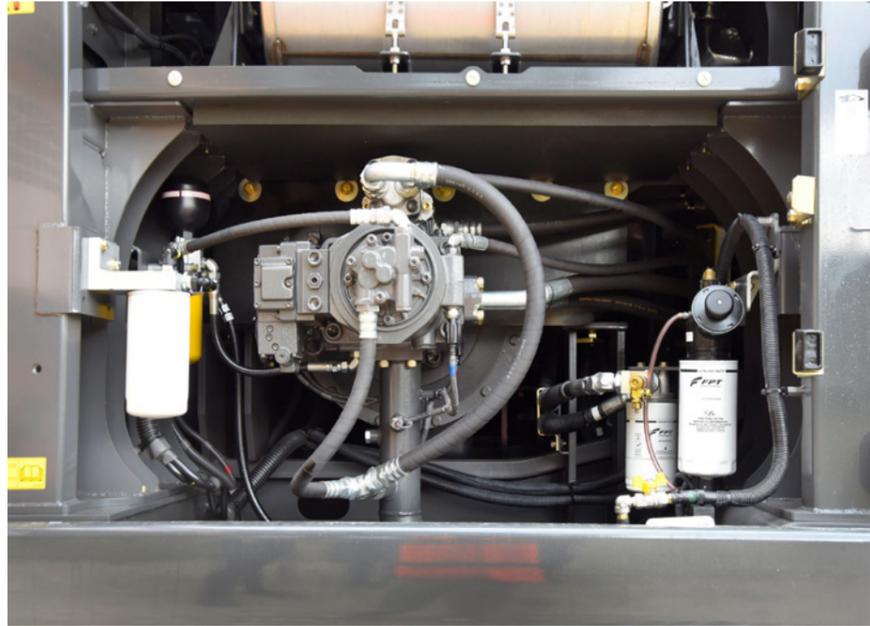
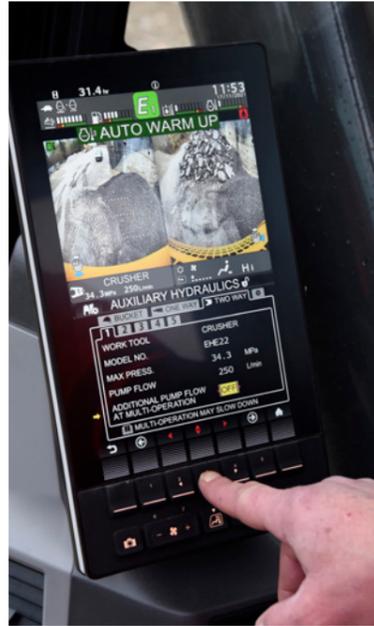
A new, optional +500 kg **additional counterweight** is available on the CX210E LC to ensure perfect stability also with heavier quick couplers and attachments, further extending the machine's capacity to adapt to different work conditions.

The optional **Steelwrist** provision with advanced Quantum control system, additional monitor, new configurable joysticks and electrical connection up to arm top, facilitates a quick and easy aftermarket addition of Steelwrist tiltrotators to achieve maximum flexibility in a variety of jobsites.



# PRODUCTIVITY

## WORK SMART, PRODUCE MORE



### ENHANCED EFFICIENCY

#### *Top performance, high fuel economy*

The new-generation E-Series combines the proven energy saving features of the D-Series with new work modes and hydraulic settings to raise the bar on efficiency.

The advanced automatic energy management system inherited from the D-Series consists of six key energy control functionalities:

- + **Pump Torque Control:** prevents drops in engine speed due to overtorque in high load operations while reducing fuel consumption in operations where maximum pump power is not required.
- + **Boom Economy Control:** increases fuel efficiency during boom down and swing movements.
- + **Swing Relief Control:** reduces the initial pump flow while improving control at the start of swing movements to lower fuel consumption.
- + **Spool Stroke Control:** automatically adjusts pressure based on the sensors' feedback, avoiding unnecessary functionality.
- + **Boom Oil Regeneration:** the returning oil from boom down is used to speed up the arm out movement [only from CX210E upward].
- + **Auto Idle / Idle Shutdown:** customizable and manually switchable functions that lower engine rpms after a period of inactivity or shut down the engine after a period of idling.

With all these features, coordinated by the CASE Intelligent Hydraulic System, together with the new FPT engine and improved travel motor for additional mechanical efficiency, the E-Series excavators deliver unprecedented performance and high fuel economy.

### CLEANER POWER

#### *EU Stage V compliant engines*



The new FPT NEF engines meet Stage V standards with the innovative HI-eSCR2 solution developed in-house, which only uses a Diesel Oxydation Catalyst and an integrated **maintenance-free** device on the SCR catalyst to achieve this dramatic reduction in emissions.

- + The SCR-on-Filter is "built-for-life" and requires no replacement or mechanical cleaning for its entire guaranteed emission regulation life.
- + The air intake flow is increased by a turbocharger with air-to-air cooling.
- + The multiple injection delivers best-in-class high torque performance at low rpms.
- + **No EGR** valve means 100% fresh air is used for combustion and no extra cooling system is required.

The new Stage V NEF engines can take their low-emission performance even further, as they can operate on **B7 biodiesel** and **HVO** (an even cleaner and more high-quality alternative to biodiesel, with superior performances in cold weathers) and other paraffinic fuels like **GTL** (Gas-to-Liquids), **CTL** (Coal-to-Liquids), **BTL** (Biomass-to-Liquids).

# COMFORT RULES

## FIRST-CLASS WORK ENVIRONMENT



### ENHANCED COMFORT

*Ideal working conditions, every day*

- + Pressurized cab with improved sealing, wide access space and increased foot space.
- + Ergonomic air-suspended high-back seat with tilt adjustment and heater.
- + Console suspended with the seat and optimized control lever positions: the operator maintains their preferred working posture when adjusting the seat's position.
- + Reduced pedal travel and footrest reduce fatigue during operation.
- + Automatic air conditioning controls integrated in the monitor.
- + Air conditioning performance improved with a cooling upgrade and optimal air vents location.
- + Optimized storage capacity with lunch box tray and cool box, smartphone tray, and two large drink holders.
- + Repositioned lower track rollers reduce vibrations for smoother travelling.
- + Quieter cab with 1 dB lower internal noise compared to D-Series on CX210E, and 3 dB lower on CX250E / CX300E.



# SAFETY AND MAINTENANCE

## WORK SAFELY IN ALL CONDITIONS

### SAFER OPERATION AND ACCESSIBILITY

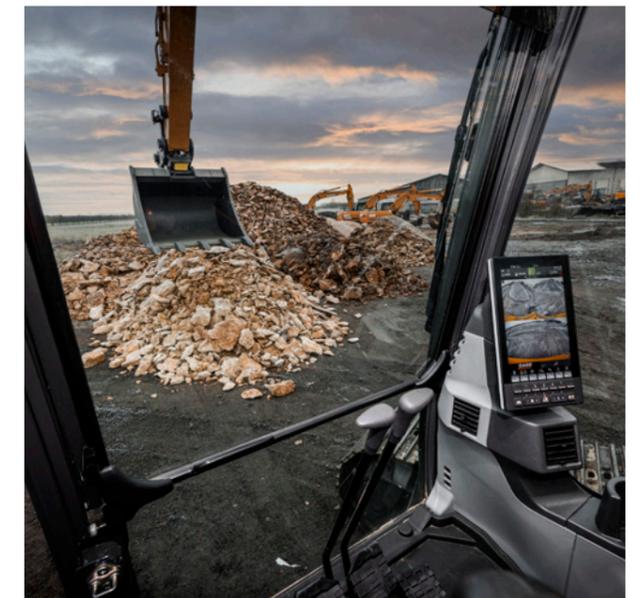
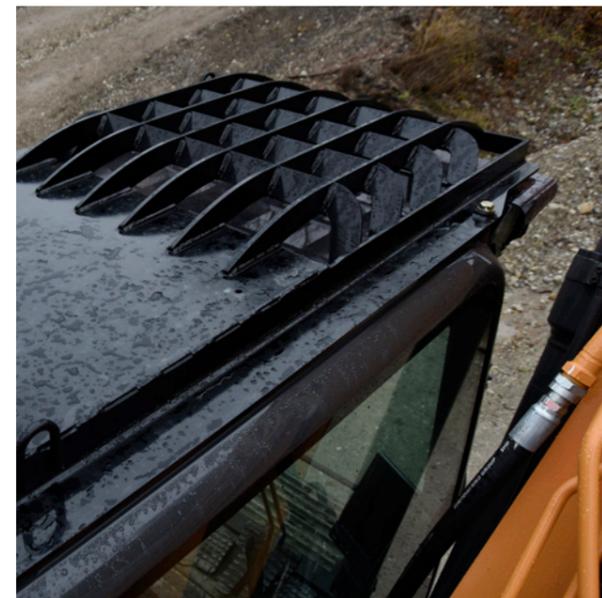
*Safety first, inside and outside the cab*

- + Reinforced cab structure ROPS and FOPS compliant.
- + Standard FOPS level 2 head protection.
- + Factory fitted front guard OPG level 1 and 2; grill guard available as DIA kit.
- + Factory fitted travel alarm for greater safety on the jobsite around the machine.
- + New auto lever lock safety feature immediately stops machine movement when the operator unintentionally unlocks the gate lock.
- + Seat belt fastened detection.
- + Wide, robust and comfortable steps, and handrail for safe access to the top of the hood.
- + Non-slip plates and top hood cover supported by two gas pistons and secured by two mechanical stops.
- + Wide platform on top of the engine compartment to work safely on the engine box.

### SUPERIOR VISIBILITY

*Designed for outstanding visibility*

- Visibility – already outstanding in the D-Series - has been further enhanced:
- + Glazed surface with improved visibility on the right hand side.
  - + Bigger monitor (from 7 to 10") with higher resolution, five configurable buttons and additional menus on the display.
  - + Standard rear- and right-hand cameras, and an optional left-hand camera is available for the 270° CASE Maximum View Monitor with revised screen layout.
  - + Upgraded cameras for better color balance.
  - + Improved front window defrost.
  - + New diffusion spray type window washer nozzle ensures better windshield cleaning.
  - + LED lights package standard, plus optional Deluxe package at 3700 lumen and 4 extra front lights for even better performances (only Mono models).
  - + "Follow me" lights function with selectable off timer.



# SAFETY AND MAINTENANCE

## WORK SAFELY IN ALL CONDITIONS



### EASY MAINTENANCE

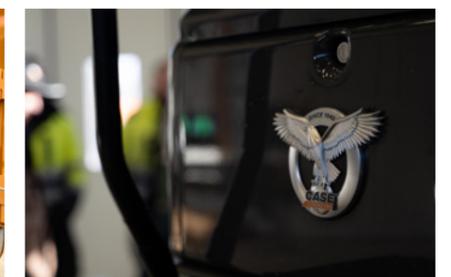
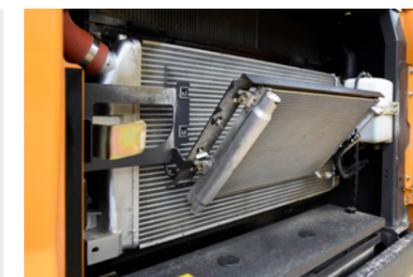
#### "Grounded" and connected services solution

- + New extended service intervals for lower maintenance costs:
  - **Engine oil, fuel & oil filters** extended from 500 to 1,000 hours;
  - **AdBlue supply module filter** was 3,000 hours, it goes up to 4,000 hours;
  - **Travel gear oil** extended from 1,000 to 2,000 hours (on CX210E / CX250E).
- + Extended Maintenance System (EMS) bushings provide 1,000 hour greasing intervals on arm and boom pins and 250 hours on the attachment pin.
- + No EGR reduces complexity in the ATS.
- + SCR-on-Filter auto-cleaning device requires no replacement or mechanical cleaning during guaranteed life span.
- + Factory fitted automatic greasing system, including bucket linkage, to enhance uptime, serviceability and efficiency.

- + Fuel nozzle with integrated fuel tank float provides better visibility during refilling.
- + Hydraulic oil tank cap with integrated air breather for tool-less refill.
- + Newly added sampling valve in pump room for easier hydraulic oil sampling.
- + Increased washer tank capacity for fewer washer refills.
- + Grease cylinder compact design for easier mud cleaning around carrier rollers.
- + Two-piece split cab floor mat for simpler cleaning.
- + Radiator shroud with larger opening from the side and additional opening below the upper structure for better accessibility (added opening only on CX210E / CX250E).
- + Air cleaner height change for easier put on and off.

- + A/C condenser tilt movement added to facilitate cleaning.
- + New reversible fan option (available for CX210E / CX250E).
- + Fan belt auto-tensioner requires no manual calibration.
- + Remote diagnostics and assistance, and interactive maintenance with the new bidirectional CASE SiteConnect module and enhanced myCASEConstruction telematics services.

- + The new aftermarket offering of CASE **FLEETPRO rubber bolt-on pads**, available on CX210E fitted with 600mm shoes, makes it easy and quick to switch between on- and off-road applications, extending the machine's versatility and improving the customer's profitability.
- + The CX210E benefits from a new aftermarket offering of dedicated service maintenance kits, helping the customers to further improve their TCO.



# MAIN REASONS TO CHOOSE THE NEW E-SERIES

## BEST MATCH BETWEEN SPEED AND CONTROLLABILITY

CASE Intelligent Hydraulics System (CIHS) is synonymous and reference in the market for its fastest cycles times, best energy saving performance and smooth control.

## ENHANCED QUALITY AND RELIABILITY

CASE excavators are known for their balanced design and first-class components. New improvements to arm, boom and undercarriage structure make them even better.

## ENHANCED VERSATILITY

- + **NEW** 4 work modes (Super Power, Power, Eco, Lifting)
- + **NEW** 10 throttle settings, independent from work mode
- + **NEW** arm, boom and swing flow balance customization to suit every application
- + **NEW** attachment types and names storable in the display for quicker tools management
- + **NEW** optional heavier +500kg counterweight for CX210E LC to handle heavier attachments
- + **NEW** Steelwrist-ready tiltrotator provision

## ENHANCED EFFICIENCY

- + **NEW** Eco mode ensures the best selective engine and pump control, maximizing torque only when needed and saving more fuel
- + **NEW** FPT Stage V engine with no EGR, more efficient combustion
- + **NEW** upgraded travel motor for improved mechanical efficiency

## ENHANCED CONNECTIVITY

- + **NEW** bidirectional CASE SiteConnect module
- + **NEW** interactive maintenance capabilities
- + **NEW** remote assistance
- + **NEW** standard CASE full telematics solution (modem, wiring, harnesses, antenna and 7-year myCASEConstruction subscription)

## SUPERIOR VISIBILITY

- + **NEW** 10" LCD monitor – the biggest in the industry – with 5 configurable buttons and new menu functions
- + **NEW** front window defrost and washing improvement
- + **NEW** greater visibility on the right hand side
- + Optional CASE Maximum View Monitor for optimized all-around visibility
- + LED lighting, with Deluxe upgrade available

## ENHANCED COMFORT

- + **NEW** console suspended with seat
- + **NEW** wide access space and increased foot space
- + **NEW** dedicated A/C controls in the monitor, always within easy reach
- + **NEW** improved air conditioning with new air vents
- + **NEW** smoother travelling with repositioned rollers
- + **NEW** quieter environment in the cab

## EASY MAINTENANCE

- + **NEW** extended 1,000-hour engine oil, fuel & oil filters change interval + 1,000-hour bushing greasing intervals for arm and boom pins
- + **NEW** SCR-on-Filter auto-cleaning device – maintenance-free and built-for-life
- + **NEW** easy access to hydraulic tank thanks to cap with air breather
- + **NEW** split type floor mat
- + **NEW** optional reversible fan for improved radiator cleaning efficiency
- + **NEW** FLEETPRO bolt-on rubber pads aftermarket offering for fast replacement and greater versatility
- + **NEW** service maintenance kits aftermarket offering for reduced TCO
- + **NEW** automatic greasing system

## CLEANER POWER

- + **NEW** STAGE V engine by FPT, the European leader, known for its reliability and innovative tradition, with more than 25 years' experience
- + **NEW** High Efficiency SCR 2 system, covered by 13 patents
- + **NEW** EGR-free
- + **NEW** compatible with HVO and synthetic alternative fuels

## SAFER OPERATION AND ACCESSIBILITY

- + ROPS cab with FOPS level 2
- + Standard extended handrails and guardrails
- + Factory fitted travel alarm
- + **NEW** auto lever lock safety feature



# AFTERSALES PRODUCTS AND SERVICES

## AFTERSALES PRODUCTS

Keep your equipment performing at its best and protect your investment's value with the extensive offering of high-quality CASE Parts.

### Genuine Parts HIGH PERFORMANCE

Optimize your performance and add value to your machine with high-quality genuine parts.

### FLEETPRO

Ensure your machine's performance beyond warranty and manage your budget with CASE's quality second-line range of parts.

### Attachments. BUSINESS SOLUTIONS

Add versatility to performance with CASE attachments designed for CASE machines and tested by CASE engineers.

### Reman-Parts REMANUFACTURED

Choose sustainable quality with remanufactured parts designed for CASE equipment of all ages.

## SERVICE SOLUTIONS

Enjoy the peace of mind of knowing CASE Service Solutions will keep your equipment in top condition with maximum uptime, no unexpected costs, and help you optimize your profitability.



# STANDARD AND OPTIONS

## STANDARD EQUIPMENT

### ENGINE

- + FPT NEF6 (F4HGE613Z\*V) -cylinder turbo-charged diesel (CX210E)
- + Stage V
- + Selective Catalytic Reduction on Filter (SCRoF)
- + Diesel Oxidation Catalyst (DOC)
- + EGR-free
- + VGT turbocharger
- + Electronic fuel injection
- + High pressure common rail system
- + Neutral safety start
- + Auto engine warm up, emergency stop
- + Glow-plug pre-heat
- + EPF (Engine Protection Feature)
- + Dual-stage fuel filtration
- + Dual element air filter
- + Remote oil filter
- + Green plug oil drain
- + 1,000 hour engine oil and fuel filters change interval
- + 24V system
- + Battery disconnect switch
- + High ambient temperature cooling package
- + External fuel and AdBlue gauges
- + Fuel cooler
- + Fuel filter + fuel prefilter with water accumulation indicator
- + Fuel shut-off valve
- + Idle start
- + Radiator, oil cooler, intercooler – protective screen
- + Refueling pump

### FUEL ECONOMY SYSTEMS

- + Eco mode
- + Auto idle
- + One-touch idle
- + Idle shutdown
- + Pump Torque Control (PTC)
- + Boom Economy Control (BEC)
- + Swing Relief Control (SRF)
- + Spool Stroke Control (SSC)
- + Boom Oil Regeneration (BOR)

## OPTIONAL EQUIPMENT

### ENGINE

- + Engine precleaner cyclonic type
- + Reversible fan

### HYDRAULICS

- + Clamshell circuit
- + Low-flow circuit, proportional control
- + Double acting circuit with electrical proportional control (only on CX210E Long Reach)

### UPPERSTRUCTURE

- + Additional +500 kg counterweight (only on CX210E LC)
- + Hydraulic and engine oil sampling ports
- + Automatic greasing system (n.a. on CX210E Long Reach)

### HYDRAULICS

- + Hydraulic flow control balance
- + Electronically controlled hydraulic pumps
- + Multifunction (hammer/high flow) circuit with electrical proportional control (n.a. on CX210E Long Reach)
- + Auto power boost
- + Auto travel speed change
- + 4 selectable work modes
- + Overload warning device
- + ISO pattern controls
- + Pre-set auxiliary pump settings
- + Switch controlled auxiliary selection
- + Hydraulic filter restriction indicator
- + Oil cooler
- + 5,000 hour hydraulic oil change interval
- + 2,000 hour hydraulic filter change interval
- + Hydraulic quick coupler provision
- + Hydraulic fluid supply port with air breather

### UPPERSTRUCTURE

- + ISO mirrors
- + Handrail – RH access
- + ISO guard rails
- + Isolation mounted cab (fluid and spring)
- + Lifting eyes for counterweight
- + Lockable fuel cap, service doors and toolbox
- + Rear and side view safety camera

### OPERATOR STATION

- + ROPS protection
- + FOPS guard OPG level 2
- + Pressurized cab
- + Tempered safety glass
- + One-touch lock front window
- + Sun visor & rain deflector
- + A/C, heating and defrosting with automatic control
- + Luch box & cool box, cup holders & ashtray
- + Interior dome light
- + Multi-adjustable low frequency air suspension console and tiltable heated seat with air springs and double acting hydraulic damper
- + Sliding seat – 90 mm

### OPERATOR STATION

- + Front cab guard - vertical bars (OPG level 2)
- + Front cab guard - vertical bars (OPG level 1)
- + Front mesh screen, available as DIA kit
- + Rain deflector
- + CASE Maximum View Monitor - 270° view with additional left side camera
- + 12 LED Deluxe work lights (4 cab roof, 1 LH boom, 1 RH boom, 1 boom foot, 1 toolbox, 4 all-around) [only on CX210E Mono]
- + Steelwrist-ready tiltrotator provision

- + Seat belt with fasten detection
- + Adjustable armrests
- + Low-effort joystick controls
- + Sliding cockpit - 80 mm
- + Auxiliary select system
- + Aux-in port for personal electronics
- + Multifunction LED color monitor (10"), with silicon switches
- + 22 selectable languages for monitor
- + Overload warning device
- + Anti-theft system (start code system)
- + Split type floor mat
- + 12V electric socket
- + 24V cigarette lighter
- + One-piece right hand window
- + 8 LED work lights (2 cab roof, 1 LH boom, 1 toolbox, 4 all-around)
- + Windshield wiper / washer
- + Clear (Lexan) roof window with sunshade
- + Storage compartments
- + On-board diagnostic system
- + Travel alarm
- + DAB+ Bluetooth radio with antenna and 2 speakers

### ATTACHMENTS

- + Standard boom 5.7 m
- + 2-piece boom
- + Long reach boom 8.7 m
- + Arm 2.94 m
- + Long reach arm 6.4 m
- + Attachment types and names storable in the display

### UNDERCARRIAGE

- + 600 mm steel triple grouser shoes
- + Full overlap turntable bearing tub
- + Sealed link chain
- + Lashing points

### TELEMATICS

- + SiteConnect module and 7 years myCASEConstruction subscription with remote monitoring

### ATTACHMENTS

- + Arm 2.40 m

### UNDERCARRIAGE

- + 500 mm steel triple grouser shoes (only on CX210E NLC)
- + 700 / 800 mm steel triple grouser shoes
- + 900 mm steel triple grouser shoes (for swampy grounds, only on CX210E LC)
- + Triple track guide

# SPECIFICATIONS CX210E

## ENGINE

Model \_\_\_\_\_ FPT NEF6 (F4HGE613Z\*V)  
 Type \_\_\_\_\_ Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCRoF, EGR free.  
 Number of cylinders / Displacement (l) \_\_\_\_\_ 6 / 6.7  
 Emissions level \_\_\_\_\_ Stage V  
 Bore and stroke (mm) \_\_\_\_\_ 104 x 132  
**Rated flywheel horse power**  
 ISO 9249 (kW) \_\_\_\_\_ 120.4 at 1800 min<sup>-1</sup> (rpm)  
 ISO 14396 (kW) \_\_\_\_\_ 124.0 at 1800 min<sup>-1</sup> (rpm)  
**Maximum torque**  
 ISO 9249 (Nm) \_\_\_\_\_ 644 at 1600 min<sup>-1</sup> (rpm)  
 ISO 14396 (Nm) \_\_\_\_\_ 657 at 1600 min<sup>-1</sup> (rpm)

## HYDRAULIC SYSTEM

Main pumps \_\_\_\_\_ 2 variable displacement axial piston pumps with regulating system  
 Max. oil flow (l/min) \_\_\_\_\_ 2 x 211 at 1800 min<sup>-1</sup>  
**Working circuit pressure**  
 Boom/Arm/Bucket (MPa) \_\_\_\_\_ 34.3 - 37.3 with auto power boost  
 Swing circuit (LC/NLC) (MPa) \_\_\_\_\_ 29.4  
 Swing circuit (LR) (MPa) \_\_\_\_\_ 24.0  
 Travel circuit (MPa) \_\_\_\_\_ 34.3  
 Pilot pump (l/min) \_\_\_\_\_ 18  
 Working circuit pressure (MPa) \_\_\_\_\_ 3.9  
**Boom cylinders**  
 Bore (mm) \_\_\_\_\_ 120  
 Stroke (mm) \_\_\_\_\_ 1255  
**Boom positioning (2-piece boom only)**  
 Bore (mm) \_\_\_\_\_ 150  
 Stroke (mm) \_\_\_\_\_ 1090  
**Arm cylinder**  
 Bore (LC/NLC) (mm) \_\_\_\_\_ 140  
 Bore (LR) (mm) \_\_\_\_\_ 145  
 Stroke (LC/NLC) (mm) \_\_\_\_\_ 1460  
 Stroke (LR) (mm) \_\_\_\_\_ 1627  
**Bucket cylinder**  
 Bore (LC/NLC) (mm) \_\_\_\_\_ 120  
 Bore (LR) (mm) \_\_\_\_\_ 95  
 Stroke (LC/NLC) (mm) \_\_\_\_\_ 1010  
 Stroke (LR) (mm) \_\_\_\_\_ 881

PERFORMANCE DATA MONO LC-NLC	Arm 2.40 m	Arm 2.94 m
Boom length	mm 5700	5700
Bucket radius	mm 1450	1450
Bucket wrist action	° 177	177
A Maximum reach at GRP (LC/NLC)	mm 9240 / 9230	9730
B Maximum reach	mm 9420	9900
C Max. digging depth (LC/NLC)	mm 6110 / 6080	6640 / 6620
D Max. digging height (LC/NLC)	mm 9400 / 9420	9610 / 9640
E Max. dumping height (LC/NLC)	mm 6590 / 6620	6810 / 6840
F Min. swing radius	mm 3620	3660

DIGGING FORCE (ISO 6015)	Arm 2.40 m	Arm 2.94 m
Arm digging force	kN 123	103
with auto power boost	kN 133	112
Bucket digging force	kN 142	142
with auto power boost	kN 154	154

## SWING

Swing motor \_\_\_\_\_ Fixed displacement axial piston motor  
 Maximum swing speed (LC/NLC) (min<sup>-1</sup>) \_\_\_\_\_ 7.8  
 Maximum swing speed (LR) (min<sup>-1</sup>) \_\_\_\_\_ 6.5  
 Swing torque (LC/NLC) (kNm) \_\_\_\_\_ 64  
 Swing torque (LR) (kNm) \_\_\_\_\_ 52.2

## FILTERS

Suction filter (µm) \_\_\_\_\_ 105  
 Return filter (µm) \_\_\_\_\_ 6  
 Pilot line filter (µm) \_\_\_\_\_ 8

## ELECTRICAL SYSTEM

Voltage (V) \_\_\_\_\_ 24  
 Alternator (Amp) \_\_\_\_\_ 90  
 Starter (V - kW) \_\_\_\_\_ 24 - 4.0  
 Battery \_\_\_\_\_ 2 x 12 V 92 Ah/5HR

## UNDERCARRIAGE

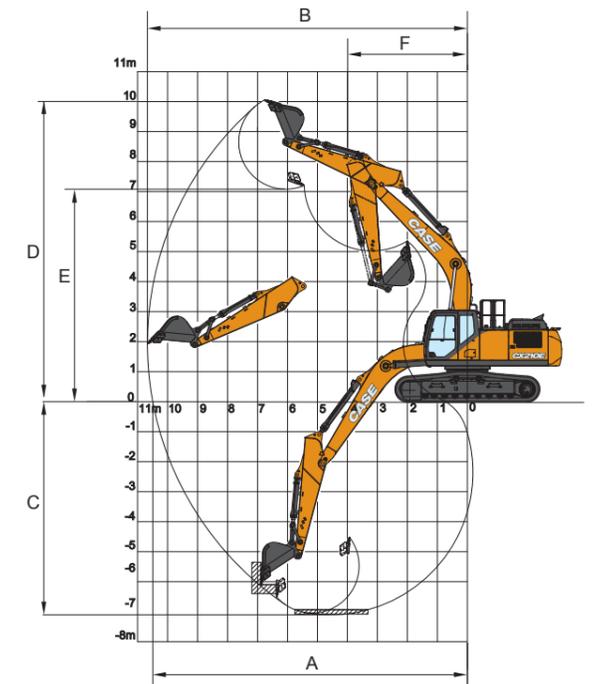
Travel motor \_\_\_\_\_ Variable displacement axial piston motor  
 High travel speed (Automatic travel speed shifting) (km/h) \_\_\_\_\_ 5.6  
 Low travel speed (km/h) \_\_\_\_\_ 3.4  
 Drawbar pull (LC/NLC) (kN) \_\_\_\_\_ 188 / 187  
 Number of carrier rollers (each side) \_\_\_\_\_ 2  
 Number of track rollers (each side) \_\_\_\_\_ 8  
 Number of shoes (each side) \_\_\_\_\_ 49  
 Type of shoes \_\_\_\_\_ Triple grouser shoes  
 Gradeability \_\_\_\_\_ 70% (35°)

## NOISE

External guaranteed sound level (EU Directive 2000/14/EC) (dB(A)) \_\_\_\_\_ LwA 100  
 Operator cab sound pressure level (ISO 6396) (dB(A)) \_\_\_\_\_ LpA 68

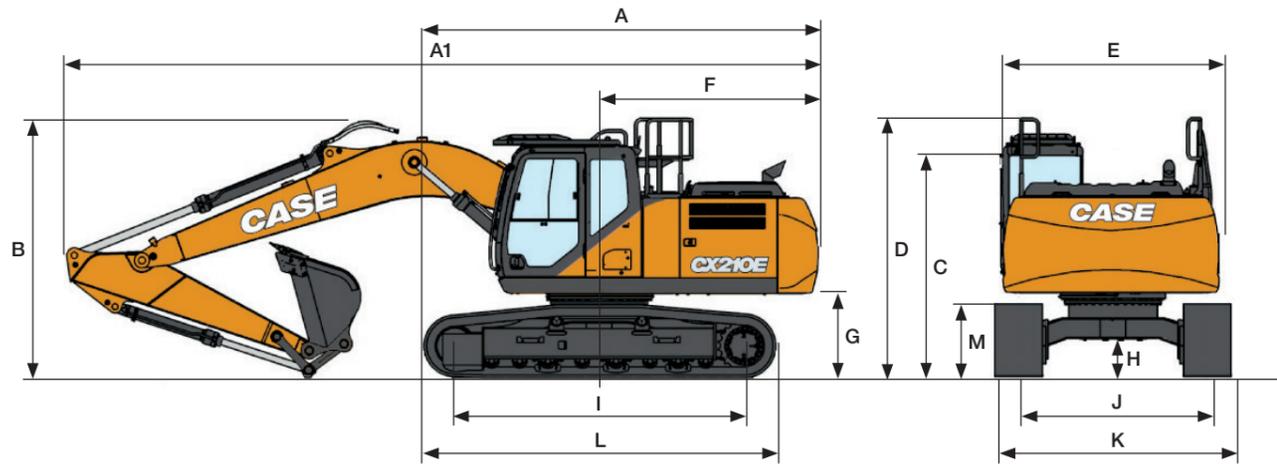
## CIRCUIT AND COMPONENT CAPACITIES

	LC	NLC
Fuel tank (l)	410	320
Hydraulic system (l)	280	265
Hydraulic tank (l)	162	145
AdBlue tank (l)	84	60



# SPECIFICATIONS

## CX210E LC-NLC MONO



GENERAL DIMENSIONS		Arm 2.40 m	Arm 2.94 m
A	Overall length (without attachment) (LC/NLC)	mm 5050 / 5120	5050 / 5120
A1	Overall length (with attachment) (LC/NLC)	mm 9550 / 9630	9470 / 9540
B	Overall height (to top of boom) (LC/NLC)	mm 3170 / 3190	2980 / 2970
C	Cab height (LC/NLC)	mm 3070 / 3100	3070 / 3100
D	Overall height (to top of guardrail) (LC/NLC)	mm 3150 / 3180	3150 / 3180
E	Upper structure overall width (LC/NLC)	mm 2760 / 2520	2760 / 2520
F	Swing (rear end radius) (LC/NLC)	mm 2830 / 2890	2830 / 2890
G	Clearance height under upper structure (LC/NLC)	mm 1040 / 1070	1040 / 1070
H	Minimum ground clearance (LC/NLC)	mm 440 / 430	440 / 430
I	Wheel base (center to center of wheels)	mm 3660	3660
J	Track gauge (LC/NLC)	mm 2390 / 1990	2390 / 1990
K	Undercarriage overall width (LC with 600 mm shoes / NLC with 500 mm shoes)	mm 2990 / 2490	2990 / 2490
L	Crawler overall length (LC/NLC)	mm 4470 / 4460	4470 / 4460
M	Crawler tracks height	mm 920	920

### WEIGHT AND GROUND PRESSURE LC

With 2.40 m arm, 1.0 m<sup>3</sup> bucket, operator, lubricant, coolant, full fuel tank, FOPS protection level 2 and standard counterweight.

	WEIGHT	GROUND PRESSURE
600 mm grouser shoes	21600 kg	0.045 MPa
700 mm grouser shoes	22040 kg	0.040 MPa
800 mm grouser shoes	22340 kg	0.036 MPa

STD Counterweight: 3800 kg  
HEAVY Counterweight: 3800 kg + 500 kg

### WEIGHT AND GROUND PRESSURE NLC

With 2.40 m arm, 1.0 m<sup>3</sup> bucket, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

	WEIGHT	GROUND PRESSURE
500 mm grouser shoes	22300 kg	0.056 MPa

Counterweight: 4600 kg

# LIFTING CAPACITY

## CX210E LC-NLC MONO

Front / Side	REACH									
	2.0 m	4.0 m	6.0 m	8.0 m	At max reach					

**LC UNDERCARRIAGE** - Short arm 2.40 m, 600 mm shoes, max reach 7.97 m

8.0 m							5920*	5920*	4.97
6.0 m			5550*	5320			5500*	4340	6.77
4.0 m		8400*	8400*	6250*	5090		5210	3480	7.66
2.0 m		11580*	8410	7360*	4770		4800	3180	7.97
0 m		12570*	8090	7120	4560		4910	3230	7.76
-2.0 m	9990*	9990*	11890*	8130	7090	4530	5720	3740	6.98
-4.0 m			9420*	8420			6710*	5490	5.39

**LC UNDERCARRIAGE** - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m

8.0 m							4170*	4170*	5.72
6.0 m			5030*	5030*			3710*	3710*	7.33
4.0 m		7480*	7480*	5830*	5200	4650*	3660*	3210	8.16
2.0 m		10830*	8670	7050*	4860	4810	3870*	2950	8.45
0 m		12490*	8180	7170	4610	4710	4390*	2980	8.25
-2.0 m	9340*	9340*	12300*	8120	7080	4530	5130	3370	7.53
-4.0 m	17390*	17390*	10440*	8330	6690*	4680	6520*	4590	6.09

**LC UNDERCARRIAGE - HEAVY COUNTERWEIGHT** - Short arm 2.40 m, 600 mm shoes, max reach 7.97 m

8.0 m							5920*	5920*	4.97
6.0 m			5550*	5550*			5500*	4600	6.77
4.0 m		8400*	8400*	6250*	5390		5400*	3700	7.66
2.0 m		11580*	8940	7360*	5070		5060	3390	7.97
0 m		12570*	8610	7510	4860		5190	3450	7.76
-2.0 m	9990*	9990*	11890*	8650	7480	4830	6040	3980	6.98
-4.0 m			9420*	8940			6710*	5840	5.39

**LC UNDERCARRIAGE - HEAVY COUNTERWEIGHT** - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m

8.0 m							4170*	4170*	5.72
6.0 m			5030*	5030*			3710*	3710*	7.33
4.0 m		7480*	7480*	5830*	5500	4650*	3660*	3410	8.16
2.0 m		10830*	9190	7050*	5160	5080	3870*	3150	8.45
0 m		12490*	8700	7560	4910	4970	4390*	3190	8.25
-2.0 m	9340*	9340*	12300*	8640	7470	4830	5410	3600	7.53
-4.0 m	17390*	17390*	10440*	8850	6690*	4980	6520*	4890	6.09

**NLC UNDERCARRIAGE** - Short arm 2.40 m, 500 mm shoes, max reach 7.97 m

8.0 m							5910*	5910*	5.01
6.0 m			5560*	4940			5500*	4030	6.79
4.0 m		8450*	8450*	6270*	4720		5410*	3250	7.67
2.0 m		11610*	7560	7370*	4410		5240	2970	7.97
0 m		12570*	7260	7770	4210		5380	3020	7.75
-2.0 m	10140*	10140*	11870*	7300	7740	4190	6270	3490	6.96
-4.0 m			9360*	7580			6710*	5100	5.36

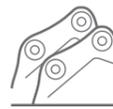
**NLC UNDERCARRIAGE** - Standard arm 2.94 m, 500 mm shoes, max reach 8.45 m

8.0 m							4170*	4170*	5.75
6.0 m			5030*	5030*			3710*	3630	7.35
4.0 m		7530*	7530*	5850*	4820	4700*	3660*	3000	8.17
2.0 m		10870*	7800	7060*	4500	5250	3870*	2760	8.45
0 m		12500*	7340	7820	4260	5150	4400*	2790	8.24
-2.0 m	9440*	9440*	12290*	7300	7740	4180	5580*	3150	7.51
-4.0 m	17290*	17290*	10400*	7490	6640*	4330	6520*	4280	6.06

\* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (\*) are limited by the hydraulic lifting capacity.

# BUCKETS

## CX210E LC-NLC MONO



### LC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	○
1.08	1200	880	○	●
1.24	1350	970	●	▲
1.40	1500	1040	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	○
0.96	1100	1010	○	●
1.07	1200	1060	●	▲
1.23	1350	1150	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	○
0.91	2400	920	○	●
0.95	2500	950	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	○	●
1.35	2400	830	●	▲

### NLC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	●
1.08	1200	880	●	▲
1.24	1350	970	▲	■
1.40	1500	1040	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	●
0.96	1100	1010	●	●
1.07	1200	1060	●	▲
1.23	1350	1150	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	●
0.91	2400	920	●	●
0.95	2500	950	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	●	●
1.35	2400	830	▲	■

- Rated material density up to 2 ton/m<sup>3</sup>
- Rated material density up to 1.6 ton/m<sup>3</sup>
- ▲ Rated material density up to 1.4 ton/m<sup>3</sup>
- Rated material density up to 1.2 ton/m<sup>3</sup>

- Not applicable
- \* with bolt-on edge
- \*\*Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit

### LC QUICK COUPLED

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	●
0.96	1100	830	●	●
1.08	1200	880	●	▲
1.24	1350	970	▲	■
1.40	1500	1040	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	●
0.91	1050	980	●	●
0.96	1100	1010	●	▲
1.07	1200	1060	▲	■
1.23	1350	1150	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	●
1.17	2100	740	●	▲
1.35	2400	830	▲	■

### NLC QUICK COUPLED

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	●
0.92	1050	800	●	●
0.96	1100	830	●	▲
1.08	1200	880	▲	■
1.24	1350	970	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	●
0.85	1000	940	●	●
0.91	1050	980	●	▲
0.96	1100	1010	▲	■
1.07	1200	1060	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	●
0.94	2130	710	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	●	●
1.17	2100	740	▲	■
1.35	2400	830	■	—

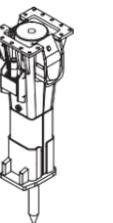
# HAMMER

## CX210E

### DIRECT FIT

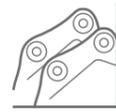
Model	Instal weight kg	Reference machine setting		Arm 2.40 m	Arm 2.94 m
		Flow l/min	Relief pressure MPa		
<b>CB BREAKER</b>					
CB240S	1150	115	19-21	□	□
CB290S	1500	145	21-22	□	□

- Applicable
- Not applicable
- Applicable with condition  
(only light duty works as residential construction or utilities maintenance)



# BUCKETS

## CX210E LC - HEAVY COUNTERWEIGHT



### LC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	○
1.08	1200	880	○	○
1.24	1350	970	●	●
1.40	1500	1040	●	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	○
0.96	1100	1010	○	○
1.07	1200	1060	○	●
1.23	1350	1150	●	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	○	○
1.35	2400	830	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	○
0.91	2400	920	○	○
0.95	2500	950	○	●

### LC QUICK COUPLED



Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	○
1.08	1200	880	●	●
1.24	1350	970	●	▲
1.40	1500	1040	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	●
0.96	1100	1010	○	●
1.07	1200	1060	●	▲
1.23	1350	1150	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	●	●
1.35	2400	830	●	▲

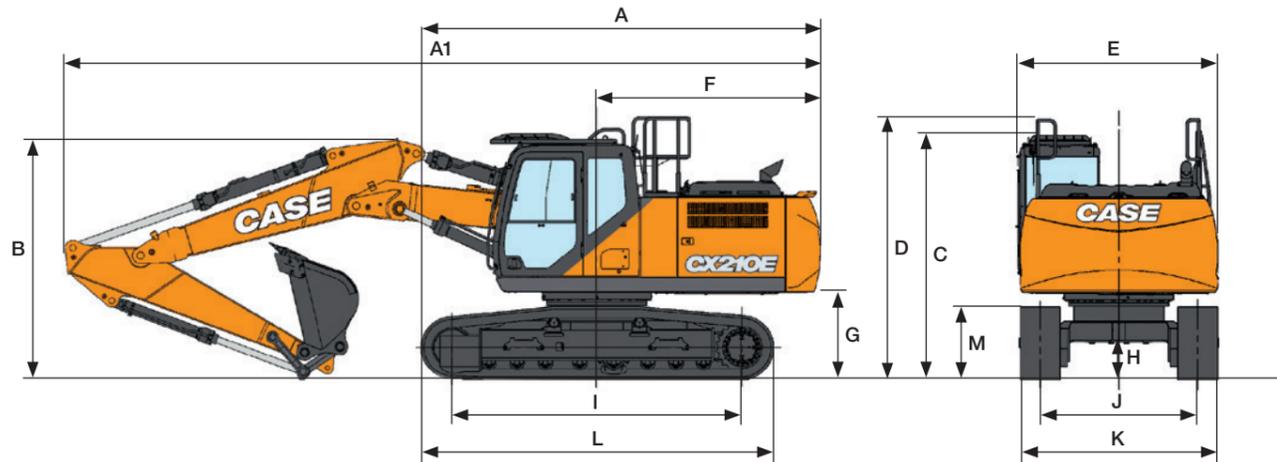
- Rated material density up to 2 ton/m<sup>3</sup>
- Rated material density up to 1.6 ton/m<sup>3</sup>
- ▲ Rated material density up to 1.4 ton/m<sup>3</sup>
- Rated material density up to 1.2 ton/m<sup>3</sup>

- Not applicable
- \* with bolt-on edge
- \*\*Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit



# SPECIFICATIONS

## CX210E LC-NLC 2-PIECE BOOM



GENERAL DIMENSIONS		Arm 2.40 m	Arm 2.94 m
A Overall length (without attachment) (LC/NLC)	mm	5050 / 5120	5050 / 5120
A1 Overall length (with attachment) (LC/NLC)	mm	9530 / 9600	9470 / 9540
B Overall height (to top of boom) (LC/NLC)	mm	3030 / 3040	2890
C Cab height (LC/NLC)	mm	3070 / 3100	3070 / 3100
D Overall height (to top of guardrail) (LC/NLC)	mm	3150 / 3180	3150 / 3180
E Upper structure overall width (LC/NLC)	mm	2760 / 2520	2760 / 2520
F Swing (rear end radius) (LC/NLC)	mm	2830 / 2890	2830 / 2890
G Clearance height under upper structure (LC/NLC)	mm	1040 / 1070	1040 / 1070
H Minimum ground clearance (LC/NLC)	mm	440 / 430	440 / 430
I Wheel base (Center to center of wheels)	mm	3660	3660
J Track gauge (LC/NLC)	mm	2390 / 1990	2390 / 1990
K Undercarriage overall width (LC with 600 mm shoes / NLC with 500 mm shoes)	mm	2990 / 2490	2990 / 2490
L Crawler overall length	mm	4460	4460
M Crawler tracks height	mm	920	920

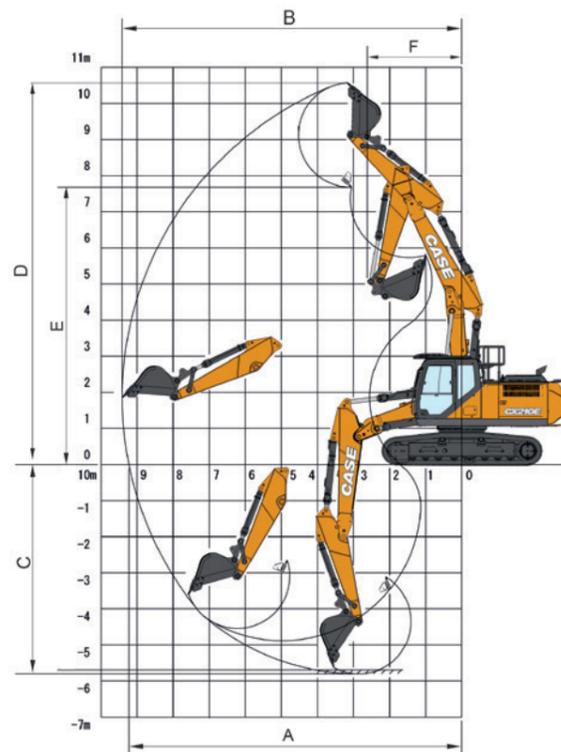
PERFORMANCE DATA		Arm 2.40 m	Arm 2.94 m
1 <sup>st</sup> boom length	mm	2960	2960
2 <sup>nd</sup> boom length	mm	2790	2790
Bucket radius	mm	1450	1450
Bucket wrist action	°	177	177
A Maximum reach at GRP (LC/NLC)	mm	9240 / 9230	9730
B Maximum reach	mm	9420	9900
C Max. digging depth (LC/NLC)	mm	5830 / 5800	6350 / 6320
D Max. digging height (LC/NLC)	mm	10550 / 10580	10910 / 10940
E Max. dumping height (LC/NLC)	mm	7650 / 7680	8010 / 8040
F Min. swing radius	mm	2620	2310

### WEIGHT AND GROUND PRESSURE

With 2.40 m arm, 1.0 m<sup>3</sup> bucket, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

	WEIGHT	GROUND PRESSURE
LC		
600 mm grouser shoes	22500 kg	0.047 MPa
NLC		
500 mm grouser shoes	23200 kg	0.058 MPa

STD Counterweight LC: 3800 kg  
HEAVY Counterweight LC: 3800 kg + 500 kg  
Counterweight NLC: 4600 kg



# LIFTING CAPACITY

## CX210E LC-NLC 2-PIECE BOOM

REACH	REACH												m
	0.0 m	2.0 m	4.0 m	6.0 m	8.0 m	At max reach							
LC UNDERCARRIAGE - Short arm 2.40 m, 600 mm shoes, max reach 7.97 m													
8.0 m			7330*	7330*			6360*	6360*	4.97				
6.0 m			7450*	7450*	5770*	5500	4930*	4350	6.77				
4.0 m			9580*	9580*	6180*	5410	4500*	3450	7.66				
2.0 m		10550*	10550*	12340*	9370	7220*	5200	4480*	3140	7.96			
0 m		15390*	15390*	12430*	8850	7440	4830	4840*	3190	7.75			
-2.0 m	17410*	17410*	24690*	24690*	12680*	8480	7210	4570	5130*	3690	6.98		
-4.0 m			18930*	18930*	8700*	8440							
LC UNDERCARRIAGE - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m													
8.0 m					5390*	5390*			4230*	4230*	5.72		
6.0 m									3730*	3730*	7.34		
4.0 m		17090*	17090*	8560*	8560*	5830*	5470	4280*	3300	3650*	3160	8.16	
2.0 m		18080*	18080*	12010*	9450	6830*	5360	4860	3210	3840*	2890	8.45	
0 m	12910*	12910*	15230*	15230*	12390*	9030	7430	4970	4720	3070	4310*	2920	
-2.0 m	14050*	14050*	20560*	20560*	12580*	8510	7260	4620			5030*	3300	
-4.0 m	14600*	14600*	22690*	22690*	10700*	8370					5550*	5550	
LC UNDERCARRIAGE - HEAVY COUNTERWEIGHT - Short arm 2.40 m, 600 mm shoes, max reach 7.97 m													
8.0 m			7330*	7330*					6360*	6360*	4.97		
6.0 m			7450*	7450*	5770*	5770*			4930*	4600	6.77		
4.0 m			9580*	9580*	6180*	5670*			4500*	3670	7.66		
2.0 m		10550*	10550*	12340*	9820	7220*	5470		4480*	3350	7.96		
0 m		15390*	15390*	12430*	9370	7780	5130		4840*	3400	7.75		
-2.0 m	17410*	17410*	24690*	24690*	12680*	9000	7600	4870			5130*	3940	
-4.0 m			18930*	18930*	8700*	8700*							
LC UNDERCARRIAGE - HEAVY COUNTERWEIGHT - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m													
8.0 m					5390*	5390*			4230*	4230*	5.72		
6.0 m									3730*	3730*	7.34		
4.0 m		17090*	17090*	8560*	8560*	5830*	5700	4280*	3510	3650*	3370	8.16	
2.0 m		18080*	18080*	12010*	9870	6830*	5660	4880*	3420	3840*	3090	8.45	
0 m	12910*	12910*	15230*	15230*	12390*	9550	7760*	5270	4980	3280	4310*	3120	
-2.0 m	14050*	14050*	20560*	20560*	12580*	9030	7650	4920			5030*	3530	
-4.0 m	14600*	14600*	22690*	22690*	10700*	8890					5550*	5550*	
NLC UNDERCARRIAGE - Short arm 2.40 m, 500 mm shoes, max reach 7.97 m													
8.0 m			7290*	7290*					6300*	6300*	5.01		
6.0 m			7440*	7440*	5750*	5090			4900*	4010	6.78		
4.0 m			9610*	8910	6170*	5050			4470*	3190	7.67		
2.0 m		10390*	10390*	12300*	8530	7210*	4810		4460*	2900	7.97		
0 m		15500*	15500*	12380*	7920	8010*	4440		4830*	2950	7.75		
-2.0 m	17460*	17460*	24840*	24790	12640*	7580	7680*	4190			5090*	3420	
-4.0 m			18620*	18620*	8520*	7560							
NLC UNDERCARRIAGE - Standard arm 2.94 m, 500 mm shoes, max reach 8.45 m													
8.0 m					5400*	5260*			4210*	4210*	5.76		
6.0 m									3720*	3610	7.35		
4.0 m		17150*	17150*	8610*	8610*	5840*	5140*	4300*	3080	3660*	2950	8.17	
2.0 m		18140*	18140*	12030*	8650	6850*	4970	5970*	3590	3840*	2700	8.45	
0 m	12810*	12810*	15290*	15290*	12390*	8120	7990	4590	5060*	2860	4320*	2720	
-2.0 m	14100*	14100*	20660*	20660*	12590*	7640	7950	4260			5020*	3080	
-4.0 m			22550*	22550*	10610*	7520							

\* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (\*) are limited by the hydraulic lifting capacity.

# BUCKETS

## CX210E LC-NLC 2-PIECE BOOM



### LC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	●
1.08	1200	880	●	●
1.24	1350	970	●	▲
1.40	1500	1040	▲	■

### NLC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	●
0.96	1100	830	●	●
1.08	1200	880	●	▲
1.24	1350	970	▲	■
1.40	1500	1040	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	●
0.96	1100	1010	●	●
1.07	1200	1060	●	▲
1.23	1350	1150	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	●
0.96	1100	1010	●	▲
1.07	1200	1060	▲	■
1.23	1350	1150	■	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	●
0.91	2400	920	●	●
0.95	2500	950	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	●
0.91	2400	920	●	●
0.95	2500	950	●	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	●	●
1.35	2400	830	●	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	●	●
1.35	2400	830	▲	■

- Rated material density up to 2 ton/m<sup>3</sup>
- Rated material density up to 1.6 ton/m<sup>3</sup>
- ▲ Rated material density up to 1.4 ton/m<sup>3</sup>
- Rated material density up to 1.2 ton/m<sup>3</sup>

- Not applicable
- \* with bolt-on edge
- \*\*Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit



### LC QUICK COUPLED

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	●
0.96	1100	830	●	▲
1.08	1200	880	▲	▲
1.24	1350	970	▲	■
1.40	1500	1040	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	●
0.91	1050	980	●	▲
0.96	1100	1010	▲	▲
1.07	1200	1060	▲	■
1.23	1350	1150	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	●
1.17	2100	740	●	■
1.35	2400	830	■	■

- Rated material density up to 2 ton/m<sup>3</sup>
- Rated material density up to 1.6 ton/m<sup>3</sup>
- ▲ Rated material density up to 1.4 ton/m<sup>3</sup>
- Rated material density up to 1.2 ton/m<sup>3</sup>

### NLC QUICK COUPLED

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	●
0.92	1050	800	●	▲
0.96	1100	830	▲	▲
1.08	1200	880	▲	■
1.24	1350	970	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	●
0.91	1050	980	●	▲
0.96	1100	1010	▲	▲
1.07	1200	1060	▲	■
1.23	1350	1150	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	●
0.94	2130	710	●	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	●	●
1.17	2100	740	▲	■
1.35	2400	830	■	—

- Not applicable
- \* with bolt-on edge
- \*\*Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit

# BUCKETS

## CX210E LC 2-PIECE BOOM HEAVY COUNTERWEIGHT



### LC DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	○
0.96	1100	830	○	○
1.08	1200	880	○	●
1.24	1350	970	●	▲
1.40	1500	1040	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	○
0.91	1050	980	○	○
0.96	1100	1010	○	●
1.07	1200	1060	●	▲
1.23	1350	1150	▲	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	○

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	○
1.17	2100	740	○	●
1.35	2400	830	●	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>90° TILT DITCH CLEANING BUCKETS**</b>				
0.68	1800	770	○	○
0.76	2000	810	○	○
0.83	2200	880	○	○
0.91	2400	920	○	●
0.95	2500	950	●	●

- Rated material density up to 2 ton/m<sup>3</sup>
- Rated material density up to 1.6 ton/m<sup>3</sup>
- ▲ Rated material density up to 1.4 ton/m<sup>3</sup>
- Rated material density up to 1.2 ton/m<sup>3</sup>

### LC QUICK COUPLED



Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>HEAVY DUTY BUCKETS</b>				
0.45	600	560	○	○
0.60	750	640	○	○
0.76	900	730	○	○
0.85	1000	760	○	○
0.92	1050	800	○	●
0.96	1100	830	●	●
1.08	1200	880	●	▲
1.24	1350	970	▲	■
1.40	1500	1040	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.40 m	Arm 2.94 m
<b>ROCK BUCKETS</b>				
0.44	600	710	○	○
0.59	750	800	○	○
0.75	900	880	○	○
0.85	1000	940	○	●
0.91	1050	980	●	●
0.96	1100	1010	●	▲
1.07	1200	1060	▲	■
1.23	1350	1150	■	—

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>DITCH CLEANING BUCKETS</b>				
0.86	1830	650	○	○
0.94	2130	710	○	●

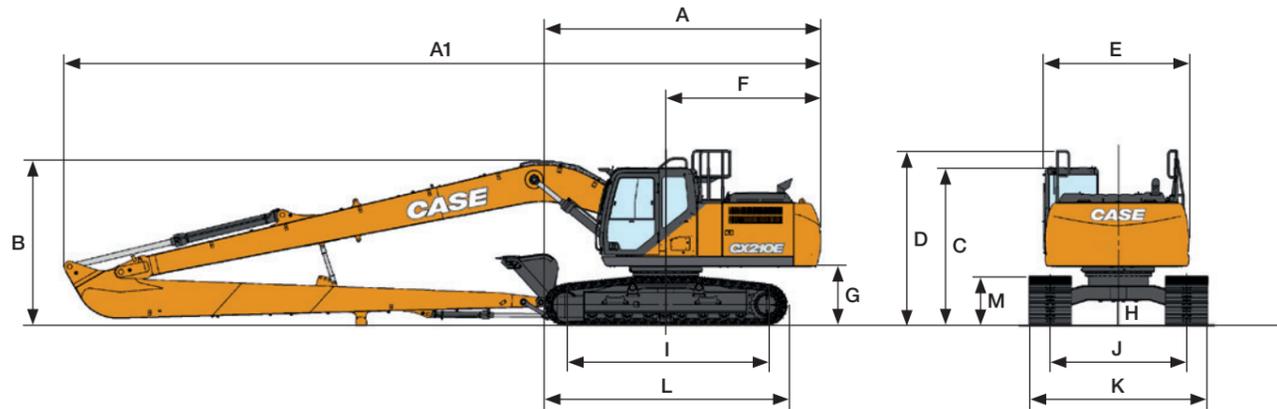
Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.40 m	Arm 2.94 m
<b>GRADING BUCKETS</b>				
0.97	1800	680	○	●
1.17	2100	740	●	▲
1.35	2400	830	▲	■

- Not applicable
- \* with bolt-on edge
- \*\*Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit



# SPECIFICATIONS

## CX210E LONG REACH



### GENERAL DIMENSIONS LONG REACH

	Arm 6.40 m
A Overall length (without attachment)	mm 5050
A1 Overall length (with attachment)	mm 12580
B Overall height (to top of boom)	mm 3040
C Cab height	mm 3070
D Overall height (to top of guardrail)	mm 3150
E Upper structure overall width	mm 2760
F Swing (rear end radius)	mm 2830
G Clearance height under upper structure	mm 1040
H Minimum ground clearance	mm 440
I Wheel base (Center to center of wheels)	mm 3660
J Track gauge	mm 2390
K Undercarriage overall width (with 800 mm shoes)	mm 3190
L Crawler overall length	mm 4470
M Crawler tracks height	mm 920

### DIGGING FORCE (ISO 6015)

	Arm 6.40 m
Arm digging force	kN 46
with auto power boost	kN 50
Bucket digging force	kN 65
with auto power boost	kN 70

### PERFORMANCE DATA

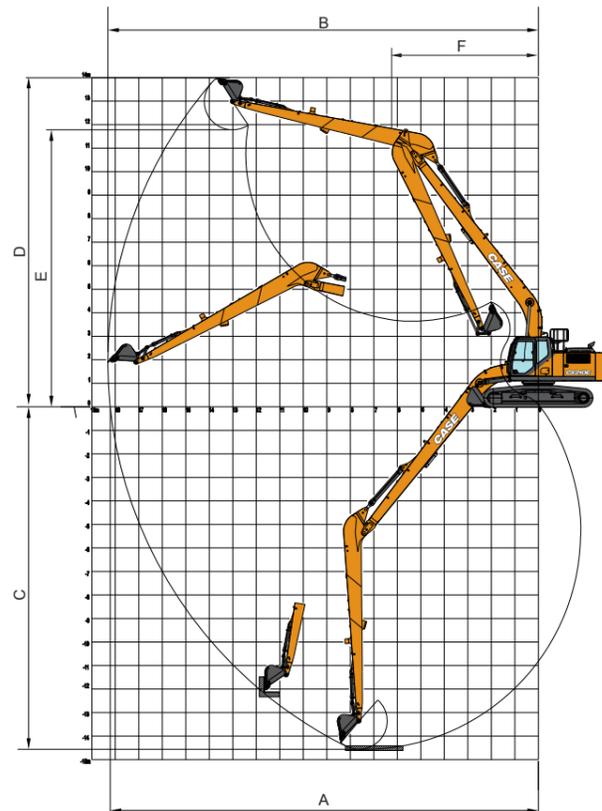
	Arm 6.40 m
Boom length	mm 8700
Bucket radius	mm 1200
Bucket wrist action	° 178
A Maximum reach at GRP	mm 15490
B Maximum reach	mm 15600
C Max. digging depth	mm 12010
D Max. digging height	mm 12970
E Max. dumping height	mm 10730
F Min. swing radius	mm 5220

### WEIGHT AND GROUND PRESSURE

With 6.40 m arm, 0.37 m<sup>3</sup> bucket, 800 mm grouser shoes, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

	WEIGHT	GROUND PRESSURE
LR	23800 kg	0.037 MPa

Counterweight: 4700 kg



# LIFTING CAPACITY

## CX210E LONG REACH

	REACH										m	
	0.0 m	2.0 m	4.0 m	6.0 m	8.0 m	10.0 m	12.0	14.0	At max reach			
Front												
Side												

LC UNDERCARRIAGE - Super long arm 6.40 m, 800 mm shoes, max reach 14.40 m

10.0 m												1360*	1360*	11.83					
8.0 m												2130*	2060	13					
6.0 m									2290*	2290*	2230*	2000		13.78					
4.0 m									2950*	2950*	2620*	2620*	2420*	1890	1740*	1370	1340*	1320	14.23
2.0 m																			
0 m																			
-2.0 m																			
-4.0 m	2950*	2950*	2280*	2280*	3940*	3940*	4890*	4890*	6640	3920	4370	2650	3210	1950	2490	1500			
-6.0 m	3840*	3840*	4470*	4470*	6230*	6230*	6670	3940	4360	2630	3200	1940	2520	1530					
-8.0 m			5800*	5800*	8080*	7610	6110*	4090	4470	2730	3300	2040							
-10 m					6840*	6840*	4850*	4410	3470*	2990									

\* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (\*) are limited by the hydraulic lifting capacity.

# BUCKETS

## CX210E LONG REACH

### DIRECT FIT

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 6.40 m
<b>GENERAL PURPOSE BUCKETS</b>			
0.21	450	250	○
0.31	600	290	○
0.41	750	330	○
0.52	900	360	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 6.40 m
<b>GRADING BUCKETS</b>			
0.59	1500	440	■

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 6.40 m
<b>DITCH CLEANING BUCKETS</b>			
0.54	1830	480	▲

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 6.40 m
<b>90° TILT DITCH CLEANING BUCKET</b>			
0.46	1500	640	■

### QUICK COUPLED

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight kg	Arm 6.40 m
<b>GENERAL PURPOSE BUCKETS</b>			
0.21	450	250	○
0.31	600	280	○
0.41	750	310	●
0.52	900	360	●

Capacity m <sup>3</sup> (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 6.40 m
<b>DITCH CLEANING BUCKET</b>			
0.54	1830	370	■

\* with bolt-on cutting edge

■ Rated material density up to 1.2 ton/m<sup>3</sup>  
▲ Rated material density up to 1.4 ton/m<sup>3</sup>

● Rated material density up to 1.6 ton/m<sup>3</sup>  
○ Rated material density up to 2 ton/m<sup>3</sup>

# 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.

---

**CNH Industrial**  
Deutschland GmbH  
Case Baumaschinen  
Benzstr. 1-3 - D-74076 Heilbronn  
DEUTSCHLAND

**CNH Industrial**  
Maquinaria Spain, S.A.  
Avenida Aragón 402  
28022 Madrid - ESPAÑA

**CNH Industrial France, S.A.**  
16-18 Rue des Rochettes  
91150 Morigny-Champigny  
FRANCE

**CNH Industrial Italia Spa**  
Lungo Stura Lazio 19  
10156, Torino  
ITALIA

**CASE Construction Equipment**  
Cranes Farm Rd  
Basildon - SS14 3AD  
UNITED KINGDOM

---

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

**CASECE.COM**  
**00800-2273-7373**

The call is free from a land line.  
Check in advance with your Mobile Operator if you will be charged. Toll free number not available from all calling areas.

