

CX C-SERIES HYDRAULIC EXCAVATORS
CX300C | CX350C | CX470C

CASE
CONSTRUCTION



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CLEAN POWER

Case C Series excavators use clean and efficient Tier 4 interim diesel engines.

Equipped with cooled exhaust gas recirculation (CEGR) and a diesel particulate filter, the engine is capable of meeting emissions regulations without the need for additional diesel exhaust fluids.

Automatic self-regeneration of the diesel particulate diffuser (DPD) ensures no loss of productivity, while low engine rpm, improved hydraulic pump control and five new energy saving systems boost fuel economy by up to 10%.

A green economy gauge can be activated in the cab to inform the operator of the most economical settings for the machine, reporting fuel consumption in real-time.



CX C-SERIES HYDRAULIC EXCAVATORS



ADVANCED ENERGY MANAGEMENT

Through the use of 5 new fuel saving functions, C series excavators speed up productivity and substantially improve fuel economy. The new systems include:

Boom Economy Control (BEC)

Increased fuel efficiency during boom lower and swing operations.

Automatic Economy Control (AEC)

Improved fuel efficiency when servo joysticks are in neutral position and the operator is not calling for power from the machine.

Swing Relief Control (SWC)

Carefully manages the hydraulic power distribution at slewing operations, to provide the most efficient flow and pressure.

Spool Stroke Control (SSC)

Creates an automatic pressure adjustment during digging and leveling operations. It saves fuel, while improving controllability for the operator in fine digging operations.

Idle functions:

All C-series excavators also feature Auto Idle and Idle Shut Down systems.

When activated, Auto Idle automatically lowers engine revs, whatever the throttle position, when the levers have been inactive for 5 seconds.

Manually, Idle can be activated by a switch on the joystick. Idle shut down, when activated, shuts down the engine when there has been no activity for 3 minutes, resulting in additional fuel savings.



INCREASED PRODUCTIVITY

As part of the Case Intelligent Hydraulic System all Case C Series excavators benefit from improvements in performance and productivity.

Lifting capacity is increased and cycle times have been cut. Individual operating weights are slightly increased to cope with the additional digging and loading forces, ensuring stable, consistent high production for the customer. Bucket and boom down regeneration systems feed hydraulic oil back to the supply side of the pump, reducing the requirement for engine power.

The C Series excavators use the familiar working mode control from the B Series machines, making it easy for the operator to become familiar with the new models. The Super Power Mode provides a 5% boost when required for maximum digging ability.

The new monitor in the C Series machines provides operators with the chance to pre-programme auxiliary hydraulic flow and power settings (option) for up to 10 attachments, providing rapid changeover and increased productivity.

CX C-SERIES HYDRAULIC EXCAVATORS



TIER 4 INTERIM - CLEAN & EFFICIENT

The new Isuzu 6-cylinder engine meets EPA's Tier 4 interim without a need for additional diesel exhaust fluid. The cooled exhaust gas recirculation (CEGR) in triple layer design effectively reduces NOx while PM is reduced by a diesel particulate filter (DPF) in combination with the variable geometry turbocharger.

A diesel oxidation catalyst (DOC) treats carbon monoxide, hydrocarbons and other compounds. Both components are integrated in the DPD (Diesel Particle Diffuser). Automatic self regeneration speeds your productivity - you can go on working as usual without stopping for the regeneration process of the particle diffuser.

A look under the hood immediately confirms an extremely efficient use of space: the engine, the cooling system and the exhaust system are all designed and grouped so as to take advantage of all the available space, while also granting excellent serviceability and operator visibility

Low engine rpm in combination with further improved pump torque control and further 5 new energy saving systems reduces the fuel consumption further by up to 10%.

A ECO gauge on can be activated on the new multifunction screen to inform you instantly about the key parameters concerning fuel economy and fuel consumption. Side by side coolers, intercooler and the fuel cooler are now even more efficient thus further increasing our well appreciated durability.



FIRST CLASS SERVICEABILITY

All filters and regular fill points are grouped for easy access, with engine oil change intervals set at 500 hours. A synthetic filter is used for the hydraulic oil, providing 5,000 hour intervals, and all pins and bushes (except the bucket pin) use the Case Extended Maintenance System bushings, allowing greasing intervals of up to 1,000 hours.

The radiator and cooler cores are mounted side by side, to allow easy access for cleaning and more efficient cooling. A 100 litre/min refuelling pump with automatic cut off is provided as standard, reducing downtime for regular fills.

The Japanese-built Case excavators boast an enviable reputation for reliability and durability, which looks set to continue with the new C Series of CX class crawler excavators.

CX C-SERIES HYDRAULIC EXCAVATORS



FIRST CLASS OPERATOR ENVIRONMENT

The C Series cab is 7% larger than the previous models and uses a smaller top beam and no overlap in the front windows to offer improved all round visibility. Noise levels are reduced to almost automotive standards, around 70dB(A), while the operator has a suspension seat and fully adjustable levers as standard. Travel pedals require less effort, reducing fatigue for the operator.

The ROPS cab sits on new suspension mounts. To reduce vibration for the operator and contributes to the lower internal noise levels.

The cab has a powerful air conditioning system with 25% more airflow and an 8% increase in performance.

New mirrors and a standard rear view camera, with optional side camera, feed directly into the improved 178 mm LED monitor inside the cab, providing the operator with a safe and secure working environment.



FULL COLOUR MULTIFUNCTION MONITOR

The standard 178 mm LED monitor provides all of the information that the operator needs at a glance. Easy to use buttons guide the operator through the screen functions and the monitor can be split to show the standard rear view, and optional side view camera images.

Information includes working mode, travel speed, working lights, attachment choice, time and working hours, along with system data such as coolant and hydraulic oil temperatures, fuel level and the condition of the particulate filter and the auto-regeneration function.

When selected, the ECO gauge displays the function of the various energy saving systems, allowing the operator to maximise efficiency and save fuel.

The monitor can be set to work in one of 20 languages, and is also used by service technicians to access onboard diagnostic functions.





THE CASE DEALER: YOUR PROFESSIONAL PARTNER

Your success starts with world-class Case machinery and attachments.

Your Case dealer will help you work smarter and faster by selecting equipment that delivers performance and operator comfort.

Your dealer has the knowledge and experience necessary to help you choose the right attachments so you can...

- **Work faster and extend equipment life.**
- **Increase machine utilization.**
- **Increase your capabilities.**

Let your Case dealer service your machine on the jobsite.

You'll be back on the job faster.

Advantages include...

- **Responsive job site service to keep your equipment running.**
- **Increase machine uptime.**
- **Certified service staff and improved parts availability.**



PARTS

When you're looking for superior parts options to maximize the performance and lower the operating costs of your Case machinery, turn to CNH Industrial Genuine Parts to keep you equipped for success.

CNH Industrial Genuine Parts fit better, install faster and last longer and in an industry where "high impact" and "heavy lifting" are the norm, the smallest mechanical differences can lead to big problems.

CNH Industrial Genuine Parts from Case are manufactured from superior materials and specifically designed for Case construction equipment to continually and reliably withstand the punishment of everyday construction. So steer clear of mechanical problems and future breakdowns, by choosing CNH Industrial Genuine Parts from Case. They're the only parts that are field-tested and proven to keep your Case equipment performing its best.

SERVICE. RELY ON CASE TO DELIVER FOR YOU

Your commitment to your operation is evident every day, but that doesn't minimize the enormous pressure you face to reduce operating costs and improve productivity. So when you're on the job, make sure you have top-notch service and support of Case behind you every step of the way.

With our factory trained technicians, you can ensure that top-notch service professionals are working on your maintenance needs, so you can focus on your business and the big job challenges ahead, not on the tasks of servicing your equipment.

With your Case Service, you get more than mere oil changes. A Case Service ensures your Case equipment receives a thorough service that meets all requirements of its service schedules and properly maintains it for the day-in, day-out punishment of construction work.

Don't give another thought to time-consuming maintenance tasks. Simply rest easy and make certain that your service needs are taken care of by a Case factory trained technician.

When the unexpected occurs, you need to know your equipment is protected.
At Case Construction we understand the importance of your machinery being in good working order when it counts.

ProCover is designed to help keep your equipment working well beyond the manufacturer's base warranty period while taking away the concerns of the cost and inconvenience of mechanical failure.

WHAT ARE THE ADVANTAGES OF PROCOVER?

PEACE OF MIND

Provides protection beyond the Manufacturer's Base Warranty Period.

FLEXIBLE OPTIONS

Plans can be customised to meet individual needs.

DEPENDABLE SERVICE

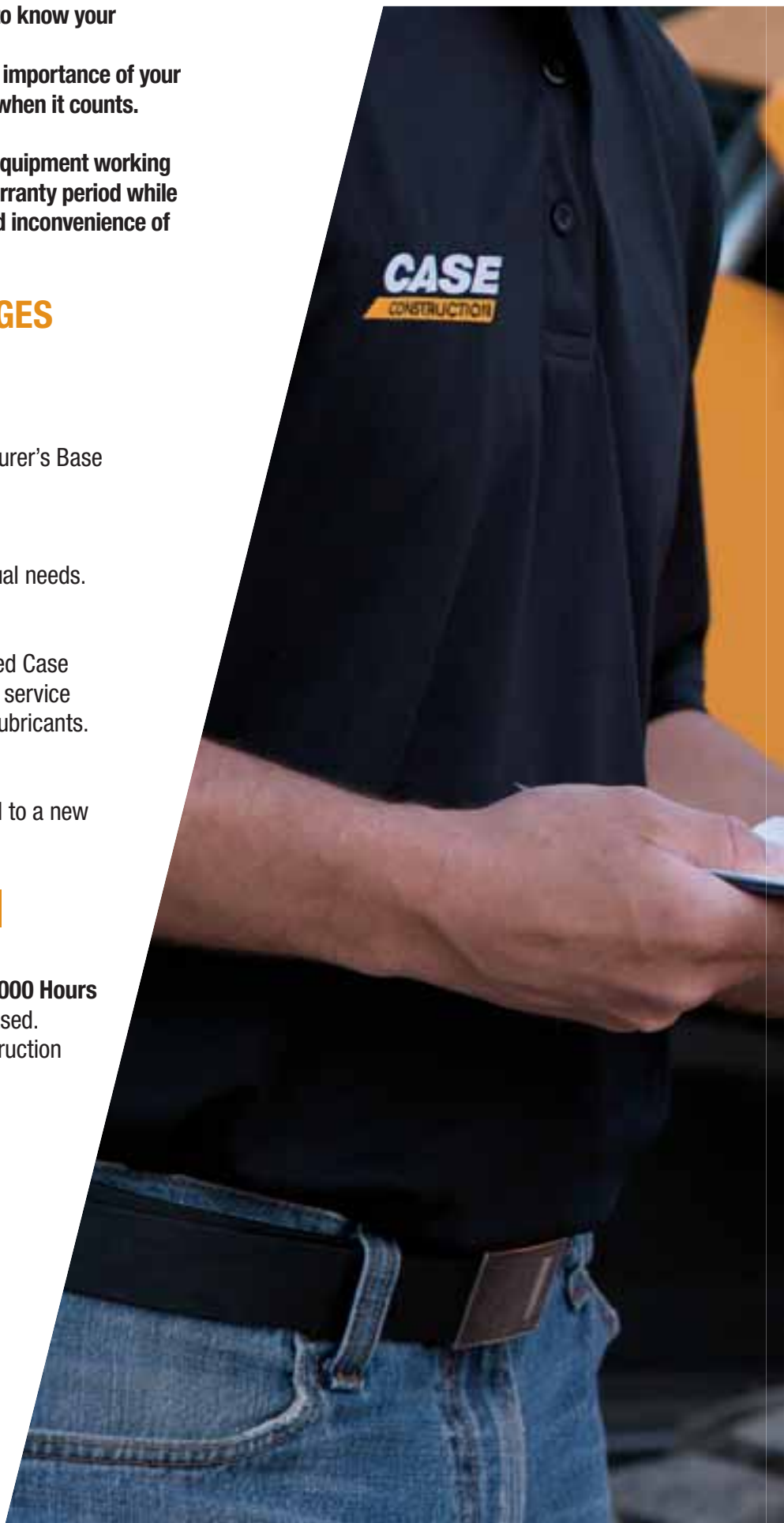
Eligible repairs completed by an authorised Case Construction Dealership and their trained service technician's using genuine OEM parts & lubricants.

TRANSFERABLE PROTECTION

New Equipment Plans may be transferred to a new owner at no charge

COVERAGE

- **STANDARD PROTECTION PLAN** **3 Years / 5000 Hours**
Additional years/hours can be purchased.
Please contact your local Case Construction dealer for further information.



STANDARD PROCOVER PLUS PROTECTION PLAN

CONSTRUCTION EQUIPMENT MASTER PARTS SCHEDULE

This plan provides coverage for the components listed below when a failure occurs due to a defect in material or workmanship, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component.

PREMIER COMPONENTS COVERED

| ENGINE AND ALL INTERNAL LUBRICATED COMPONENTS WITHIN | TRANSMISSIONS/AXLES/HYDROSTATICS | ELECTRICAL | HYDRAULICS |
|--|---|---|---|
| Accessory Gears | Axle Housing | Alternator | Accumulator And Related Relief Valve |
| Air Intake Hose | Axle Shaft | Gauges | Brake Accumulator |
| Camshaft | Clutch Discs (Wet Only) | Horn | Brake Pressure Sensor |
| Camshaft Bearings | Clutch Plates (Wet Only) | Indicators | Brake Pump, Brake Valve |
| Camshaft Drive Gear | Control Rods | Instruments | Differential Lock Valve |
| Catalytic Converter | Counter Shaft Clutch | Electronic Joysticks | Fan Pumps And Motors |
| Charge Air Cooler | Differential Housing | Electric Motors | Hydraulic Cylinders |
| Cold Start Enrichment Systems | Differential Pinion Gear / Ring Gear | Factory Installed Telematics | Hydraulic Hoses and Piping |
| Connecting Rods & Bearings | Drive Axle Hub | Sensors | Hydraulic Motors |
| Crankshaft Bearings & Gear | Drive Shaft Support Bearing | Solenoid Valves | Hydraulic Oil Coolers |
| Crankshaft Including Front And Rear Crankshaft Seals | Drive Shaft with Universal Joints | Starter And Starter Solenoid | Hydraulic Pumps |
| Cylinder Heads/ Head Gaskets | Electronic Transmission Controller and Valve | Switches | Hydraulic Reservoir |
| Cylinder Liners | Enclosed Oil Immersed Chains and Sprockets | Traction Control System | Hydraulic Valves |
| Diesel Exhaust Fluid Tank and Dispensing System | External Oil Lines | Voltage Regulator | Internal O-Rings and Bonded Washers |
| Diesel Particulate Filter | Filler Tubes (Transmission) | Wiring Harnesses | Pilot Control |
| EGR System Manifold | Final Drive Pinion | Wiring Harnesses Exclusions | Pressure Reducing Valves |
| Electronic Engine Control Module | Final Drive Planetary Gears | Rubbing, Chafing, Loose Or Corroded Connections | Unloading Valves |
| Engine Block | Front Wheel Drive Sensors | FACTORY INSTALLED HEAT AND AIR CONDITIONING | STRUCTURAL |
| Engine Mounts And Supports | Hydraulic Drive / Travel Motor | Accumulator | Backhoe Booms |
| Engine Oil Cooler | Hydraulic Drive Pump | Clutch | Backhoe/Excavator Dipper Sticks |
| Engine Speed Controls, Linkages, and Cables | Hydraulic Transmission-Control Valve | Compressor | C Frame |
| Exhaust Manifold and Muffler | Hydrostatic Motor | Condenser | Car Body |
| Fan And Fan Drive | Hydrostatic Transmission Charge Pump | Dryer | Chassis |
| Filter Mount | Hydrostatic Transmission Pump | Evaporator | Circle Frame |
| Flywheel, Ring Gear | Hydrostatic/Hydraulic Pump Drives | Expansion Valve | Engine Frame |
| Front And Rear Engine Covers And Seals | Internal Lubricated Clutch Housings | Heater Core | Equipment Frame |
| Front Damper | Internal Transmission Control Linkage | Hoses | Excavator Booms |
| Fuel Lines | Internal Wet Service Brakes | Pulley | Falling Object Protection Structure (FOPS) |
| Fuel Tank | MFWD Axle/Differential Assembly including Driveshaft and U Joint | Seals & Gaskets | Forklift Masts |
| Fuel Transfer Pump & Gasket | Planetary Gear Carrier | Temperature Control Programmers and Valves | Inner and Outer Dipper Arms of the Extendable Boom (Backhoe Loader) |
| Injection Pump | Pneumatic Valves | OPERATOR AREA | Main Frame |
| Injectors | Rotary Hydraulic Manifold | Covers and Panels | Rollover Protection Structure (ROPS) |
| Intake and Exhaust Manifold And Gaskets | Splitter Drive/Drop Box | Exterior/Interior Door/Panel Latches, Hinges & Struts | Swing Frame |
| Oil Filler Tube | Steering Clutches (Wet) | Exterior/Interior Moldings | Swing Tower Castings (Backhoe Loader) |
| Oil Lines | Swing Motor And Swing Gear Box | Knobs for Switches and Handles | Track Frame |
| Oil Pan And Gasket | Torque Converter | Mirrors | Wheel Loader/Skid steer Loader Arms |
| Oil Pump | Torque Converter Pump | Seat Frame & Suspension | |
| Pistons & Rings | Transfer Drive | | |
| Pre-Cleaner/Air Cleaner Housing | Transmission Case | | |
| Pressure/Temperature Sensors & Sending Units | Transmission Gears, Bearings, & Shafts | | |
| Pulleys | Transmission Pump | | |
| Radiator | Travel & Swing Sections (only) Of Main Control Valve | | |
| Rocker Arm Assembly | Travel Control Valve | | |
| Selective Catalytic Reduction System | Turntable Bearing | | |
| Thermostats | Undercarriage Roller And Idler Seals And Bearings | | |
| Timing Gears | Undercarriage Tensioners | | |
| Turbocharger And Gasket | UNDERCARRIAGE EXCLUSIONS: | | |
| Valve Cover And Gasket | Sprocket, Tracks, Pads, Bolts, Chains, Or Any Failure Due To Wear, Or Breakage Caused By Wear | | |
| Water Piping | | | |
| Water Pumps | | | |

CX C-SERIES **HYDRAULIC EXCAVATORS**





CX C-SERIES

HYDRAULIC EXCAVATORS

ENGINE

Model _____ ISUZU AL-6HK1X
Type _____ Water-cooled, 4-cycle diesel, 6-cylinder in line,
Electronically controlled, high pressure common rail system, variable
geometry turbocharger, air cooled intercooler, triple exhaust gas
recirculation, DPD system with auto-regeneration. Tier 4 interim certified.
Number of cylinders/displacement _____ 6/7.79l
Bore/Stroke _____ 115 x 125 mm
Horsepower 80/1269/EEC _____ 154 kw @ 1800 min-1
Maximum torque 80/1269/EEC _____ 900 Nm @ 1500 min-1

HYDRAULIC SYSTEM

Max oil flow _____ 2 x 243 l/min @ 1800 min-1
2 variable displacement axial piston pumps with regulating system
Boom/Arm/Bucket _____ 37.3 MPa
Swing circuit _____ 29.4 MPa
Travel _____ 34.3 MPa

SWING

Max upperstructure swing speed _____ 10 rpm

TRAVEL

Travel motor _____ Variable displacement axial piston motor
Max travel speed _____ 5.4 km/h (Automatic travel speed shifting)
Low travel speed _____ 3.2 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 233 kN

WEIGHT AND GROUND PRESSURE

With 3.18 m Arm, 1.1 m³ bucket, operator, lubricant, coolant, full fuel tank and top guard OPG level 2

| CX300C LC | WEIGHT (kg) |
|---------------------|-------------|
| 600 mm grouser shoe | 29.300 |

ELECTRICAL SYSTEM

Circuit _____ 24 V 5.0 kW
Alternator _____ 50 Amp

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 9
Number of shoes (each side) _____ 50
Type of shoe _____ Triple grouser shoe

CIRCUIT AND COMPONENT CAPACITIES

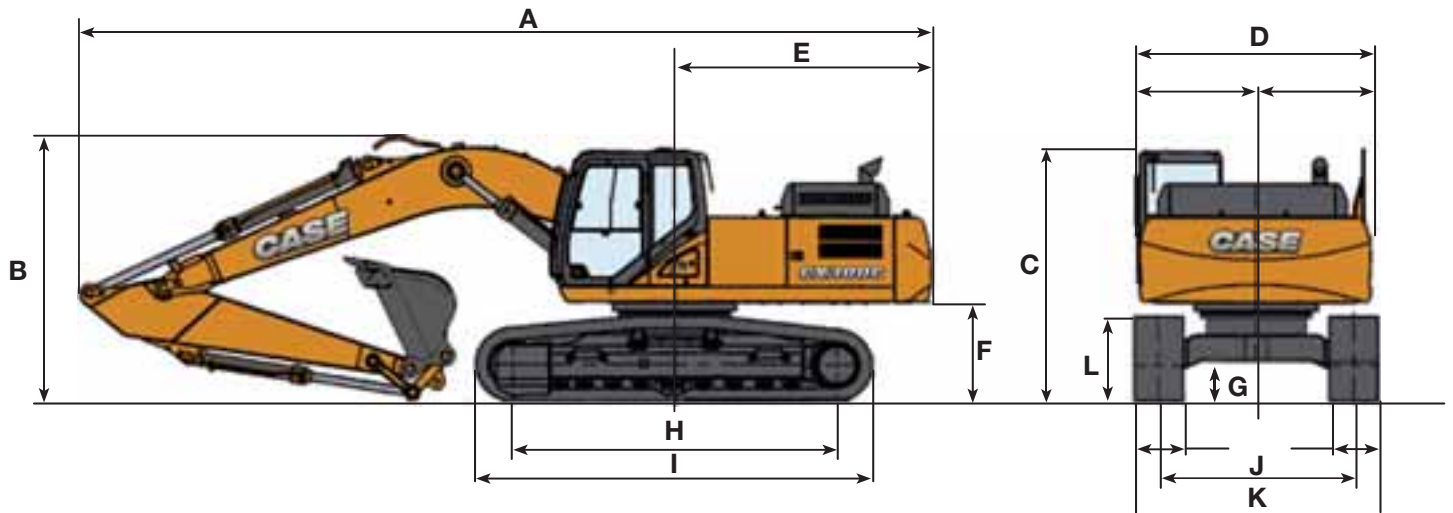
Fuel tank _____ 450 l
Hydraulic system _____ 300 l
Cooling system _____ 30.8 l

SPECIFICATIONS

CX300C

GENERAL DIMENSIONS

With 6.15 m boom



CX300C LC

Arm 3.18 m

| | | |
|---|---|----------|
| | Overall length (without attachment) | 5580 mm |
| A | Overall length (with attachment) | 10450 mm |
| B | Overall height (with attachment) | 3260 mm |
| C | Cab height | 3080 mm |
| D | Upper structure overall width | 2890 mm |
| E | Swing (rear end radius) | 3160 mm |
| F | Clearance height under upper structure | 1180 mm |
| G | Minimum ground clearance | 470 mm |
| H | Wheel base (Center to center of wheels) | 3980 mm |
| I | Crawler overall length | 4850 mm |
| L | Crawler tracks height | 1040 mm |
| J | Track gauge | 2600 mm |
| K | Undercarriage overall width (with 600 mm shoes) | 3400 mm |

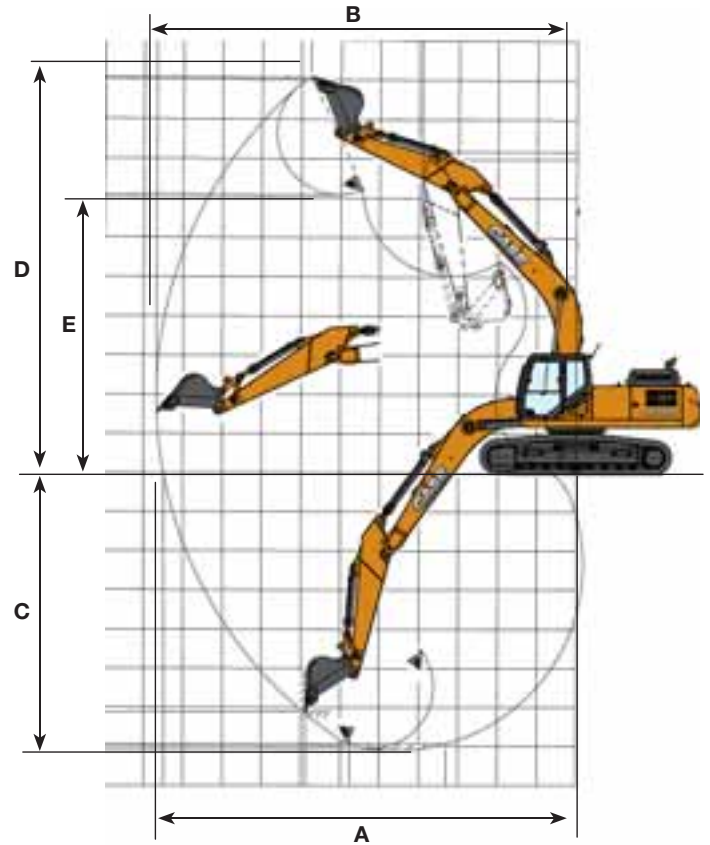
SPECIFICATIONS

CX300C

PERFORMANCE DATA

With 6.15 m boom

| | Arm 3.18 m |
|------------------------|------------|
| Boom length | 6150 mm |
| Bucket radius | 1570 mm |
| Bucket wrist action | 176° |
| A Maximum reach at GRP | 10500 mm |
| B Maximum reach | 10670 mm |
| C Max. digging depth | 7100 mm |
| D Max. digging height | 10060 mm |
| E Max. dumping height | 7090 mm |
| Arm digging force | 132.4 kN |
| Bucket digging force | 190.2 kN |



| Front 360° | REACH | | | | | | | m |
|---------------|-------|-------|-------|-------|-------|-------|--------------|---|
| | 1.5 m | 3.0 m | 4.5 m | 6.0 m | 7.5 m | 9.0 m | At max reach | |
| | | | | | | | | |

LC - Standard arm. 3.18 m arm length, 1.1 m³ bucket, 600G shoes, max reach 10.30 m

| | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 9.0 m | | | | | | | | | | | | | | 3510* | 3510* | 7.41 |
| 7.5 m | | | | | | | | | 4880* | 4880* | | | | 3260* | 3260* | 8.72 |
| 6.0 m | | | | | | | | | 5750* | 5640* | 4660* | 4020 | 3170* | 3170* | | 9.56 |
| 4.5 m | | | | | | | | 7950* | 7760 | 7120* | 5450 | 5750* | 3920 | 3210* | 3130 | 10.1 |
| 3.0 m | | | 18220* | 18220* | 12740* | 11790 | 9590* | 7470 | 7930* | 5180 | 6060 | 3780 | 3340* | 2920 | | 10.3 |
| 1.5 m | | | 7250* | 7250* | 15280* | 10850 | 10910* | 6980 | 7940 | 4920 | 5900 | 3630 | 3550* | 2860 | | 10.3 |
| 0 m | | | 8260* | 8260* | 16130* | 10190 | 11010 | 6600 | 7700 | 4700 | 5770 | 3510 | 3910* | 2930 | | 10 |
| -1.5 m | 8180* | 8180* | 10860* | 10860* | 16250* | 10000 | 10770 | 6400 | 7550 | 4570 | 5710 | 3460 | 4490* | 3160 | | 9.54 |
| -3.0 m | 10620* | 10620* | 14510* | 14510* | 15520* | 10080 | 10780 | 6430 | 7580 | 4610 | | | 5490* | 3620 | | 8.78 |
| -4.5 m | 14220* | 14220* | 19260* | 19260* | 13660* | 10320 | 10150* | 6620 | 7330* | 4750 | | | 6760* | 4530 | | 7.66 |
| -6.0 m | | | 13640* | 13640* | 9930* | 9930* | 6640* | 6640* | | | | | 6360* | 6360 | | 6.04 |

* Lift capacities are taken in accordance with SAE J1097 / ISO 10567 / DIN 15019-2

Lift capacities shown in kg do not exceed 75% of the tipping load or 87% of the hydraulic lift capacity

Capacities that are marked with an asterisk (*) are hydraulic limited

If the machine is equipped with a quick coupler, subtract the weight of the quick coupler from the load shown in the table to calculate the real lift capacity

SPECIFICATIONS

CX350C

ENGINE

Model _____ ISUZU AL-6HK1X
 Type _____ Water-cooled, 4-cycle diesel, 6-cylinder in line,
 Electronically controlled, high pressure common rail system, variable
 geometry turbocharger, air cooled intercooler, triple exhaust gas
 recirculation, DPD system with auto-regeneration. Tier 4 interim certified.
 Number of cylinders/displacement _____ 6/7.79l
 Bore/Stroke _____ 115 x 125 mm
 Horsepower 80/1269/EEC _____ 198 kw @ 1900 min-1
 Maximum torque 80/1269/EEC _____ 1043 Nm @ 1500 min-1

HYDRAULIC SYSTEM

Max oil flow _____ 2 x 285 l/min @ 1900 min-1
 2 variable displacement axial piston pumps with regulating system
 Boom/Arm/Bucket _____ 37.3 MPa
 Swing circuit _____ 30.4 MPa
 Travel _____ 34.3 Mpa

SWING

Max upperstructure swing speed _____ 9.7 rpm

Travel
 Travel motor _____ Variable displacement axial piston motor
 Max travel speed _____ 5.4 km/h (Automatic travel speed shifting)
 Low travel speed _____ 3.2 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 264 kN

WEIGHT AND GROUND PRESSURE

With 3.25 m arm, 1.4 m³ bucket, operator, lubricant, coolant, full fuel tank and top guard OPG level 2

| CX350C LC | WEIGHT (kg) |
|---------------------|-------------|
| 600 mm grouser shoe | 35.600 |

ELECTRICAL SYSTEM

Circuit _____ 24V
 Alternator _____ 50 Amp

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
 Number of track rollers (each side) _____ 8
 Number of shoes (each side) _____ 48
 Type of shoe _____ Triple grouser shoe

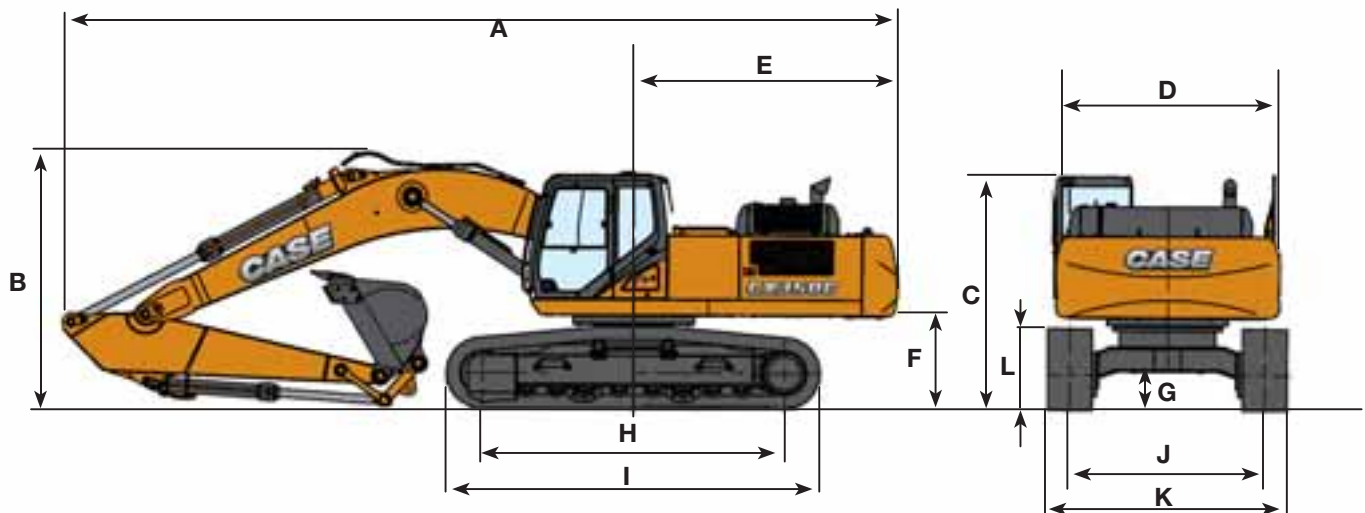
CIRCUIT AND COMPONENT CAPACITIES

Fuel tank _____ 580 l
 Hydraulic system _____ 350 l
 Cooling system _____ 35.4 l

CX C-SERIES HYDRAULIC EXCAVATORS

GENERAL DIMENSIONS

With 6.45 m boom



CX350C LC

Arm 3.25 m

| | | |
|---|---|----------|
| | Overall length (without attachment) | 6010 mm |
| A | Overall length (with attachment) | 11140 mm |
| B | Overall height (with attachment) | 3420 mm |
| C | Cab height | 3130 mm |
| D | Upper structure overall width | 3030 mm |
| E | Swing (rear end radius) | 3550 mm |
| F | Clearance height under upper structure | 1210 mm |
| G | Minimum ground clearance | 480 mm |
| H | Wheel base (Center to center of wheels) | 4040 mm |
| I | Crawler overall length | 4980 mm |
| L | Crawler tracks height | 1090 mm |
| J | Track gauge | 2600 mm |
| K | Undercarriage overall width (with 600 mm shoes) | 3200 mm |

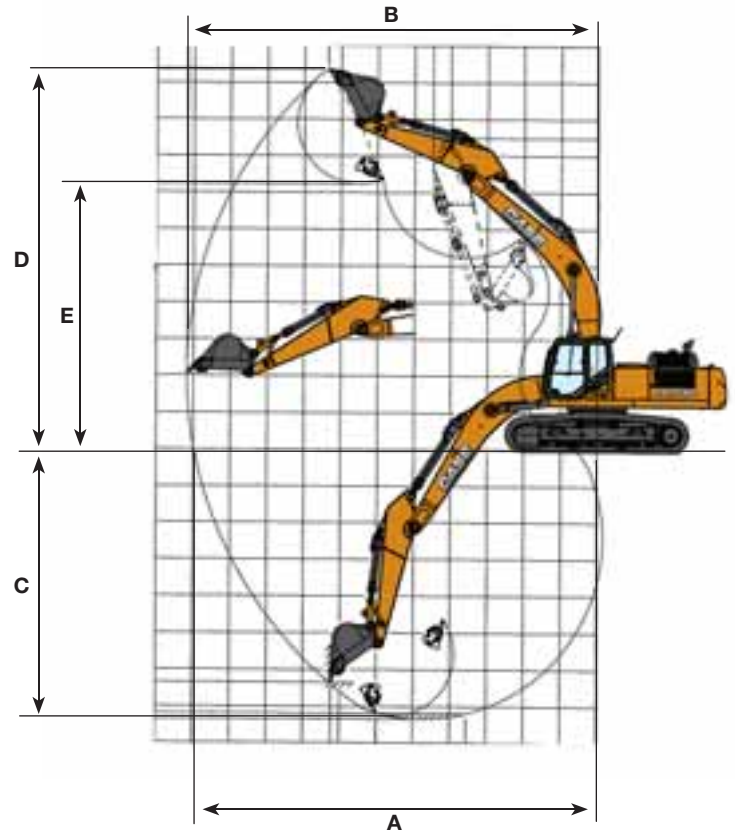
SPECIFICATIONS

CX350C

PERFORMANCE DATA

With 6.45 m boom

| CX350C LC | | Arm 3.25 m |
|------------------------|----------|------------|
| Boom length | 6450 mm | |
| Bucket radius | 1680 mm | |
| Bucket wrist action | 173° | |
| A Maximum reach at GRP | 10980 mm | |
| B Maximum reach | 11170 mm | |
| C Max. digging depth | 7340 mm | |
| D Max. digging height | 10370 mm | |
| E Max. dumping height | 7230 mm | |
| Arm digging force | 178.0 kN | |
| Bucket digging force | 248.0 kN | |



LIFTING CAPACITY

| Front 360° | REACH | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|--------|--------------|
| | 1.5 m | 3.0 m | 4.5 m | 6.0 m | 7.5 m | 9.0 m | 10.5 m | At max reach |
| | | | | | | | | m |

LC - Standard arm. 3.25 arm length, 1.4 m³ bucket, 600G shoes, max reach 10.70 m

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 9.0 m | | | | | | | | | | | | | | 3780* | 3780* | 8.23 | |
| 7.5 m | | | | | | | | 6520* | 6520* | 5130* | 5130* | | | 3540* | 3540* | 9.36 | |
| 6.0 m | | | | | | | | 7150* | 7030* | 6470* | 5110 | | | 3460* | 3460* | 10.1 | |
| 4.5 m | | | | 7090* | 7090* | 9400* | 9400* | 7930* | 6870 | 7020* | 4930 | 3830* | 3580 | 3500* | 3500* | 10.6 | |
| 3.0 m | | | 17960* | 17960* | 15390* | 14530 | 11120* | 9350 | 8940* | 6470 | 7550 | 4700 | 5240* | 3490 | 3620* | 3320 | 10.7 |
| 1.5 m | | | 7410* | 7410* | 17550* | 13450 | 12530* | 8670 | 9760* | 6090 | 7370 | 4480 | 5380* | 3380 | 3850* | 3260 | 10.7 |
| 0 m | | | 10430* | 10430* | 18360* | 12670 | 13280* | 8180 | 9620 | 5800 | 7180 | 4310 | | | 4250* | 3350 | 10.4 |
| -1.5 m | 10410* | 10410* | 14220* | 14220* | 18300* | 12540 | 13300* | 7970 | 9450 | 5640 | 7100 | 4240 | | | 4860* | 3640 | 9.91 |
| -3.0 m | 14430* | 14430* | 19090* | 19090* | 17390* | 12690 | 12860* | 8030 | 9470 | 5700 | 7170 | 4340 | | | 5910* | 4200 | 9.13 |
| -4.5 m | 19110* | 19110* | 21450* | 21450* | 15310* | 13040 | 11430* | 8290 | 8410* | 6020 | | | | | 7020* | 5270 | 8.01 |
| -6.0 m | | | 15410* | 15410* | 11340* | 11340* | 7940* | 7940* | | | | | | | 6700* | 6700* | 6.4 |

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Capacities that are marked with an asterisk (*) are hydraulic limited

If the machine is equipped with a quick coupler, subtract the weight of the quick coupler from the load shown in the table to calculate the real lift capacity

CX C-SERIES

HYDRAULIC EXCAVATORS

ENGINE

Model _____ Tier 4 interim certified ISUZU AL-6UZ1X
 Type _____ Water-cooled, 4-cycle diesel, 6-cylinder in line,
 High pressure common rail system (electric control), turbocharger with air
 cooled intercooler, without cooling fan, DPD system
 Number of cylinders _____ 6
 Bore/Stroke _____ 120 x 145 mm
 Horsepower 80/1269/EEC _____ 270 kW @ 2000 min-1
 (without fan-pump)
 Horsepower 80/1269/EEC _____ 245 kW @ 2000 min-1
 (with fan-pump)
 Maximum torque 80/1269/EEC _____ 1435 Nm @ 1500 min-1
 (without fan-pump)

HYDRAULIC SYSTEM

Max oil flow _____ 2 x 364 l/min @ 2000 min-1
 2 variable displacement axial piston pumps with regulating system
 Working circuit pressure _____
 Boom/Arm/Bucket _____ 31.4 MPa
 Boom/Arm/Bucket (with auto power up) _____ 34.3 MPa
 Swing circuit _____ 29.4 MPa
 Travel _____ 34.3 MPa

SWING

Maximum swing speed _____ 9 min-1

TRAVEL

Travel motor _____ Variable displacement axial piston motor
 Max travel speed _____ 5.3 km/h (Automatic travel speed shifting)
 Low travel speed _____ 3.2 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 340 kN

ELECTRICAL SYSTEM

Battery _____ 2x12V
 Alternator _____ 50 Amp

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
 _____ (Fixed sideframe undercarriage)
 Number of carriers rollers (each side) _____ 3
 _____ (Retractable sideframe undercarriage)
 Number of track rollers (each side) _____ 9
 Number of shoes (each side) _____ 50
 Type of shoe _____ Triple grouser shoe

CAPACITIES

Fuel tank _____ 650 l
 Hydraulic system _____ 460 l
 Cooling system _____ 47 l

WEIGHT

With 3.38 m arm, 2.0 m³ HD bucket.

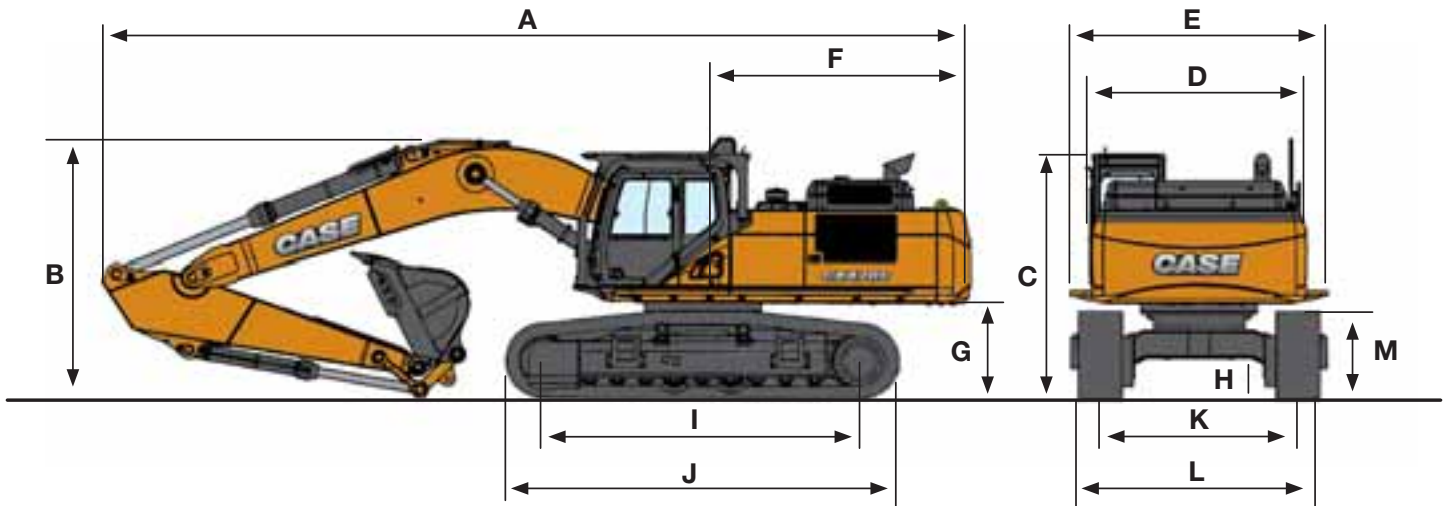
| CX470C LC | WEIGHT (kg)* |
|---|--------------|
| 600 mm grouser shoe with fixed sideframe undercarriage | 46.900 |

* With operator, lubricant, coolant and full fuel tank

SPECIFICATIONS

C470C

GENERAL DIMENSIONS



CX470C LC

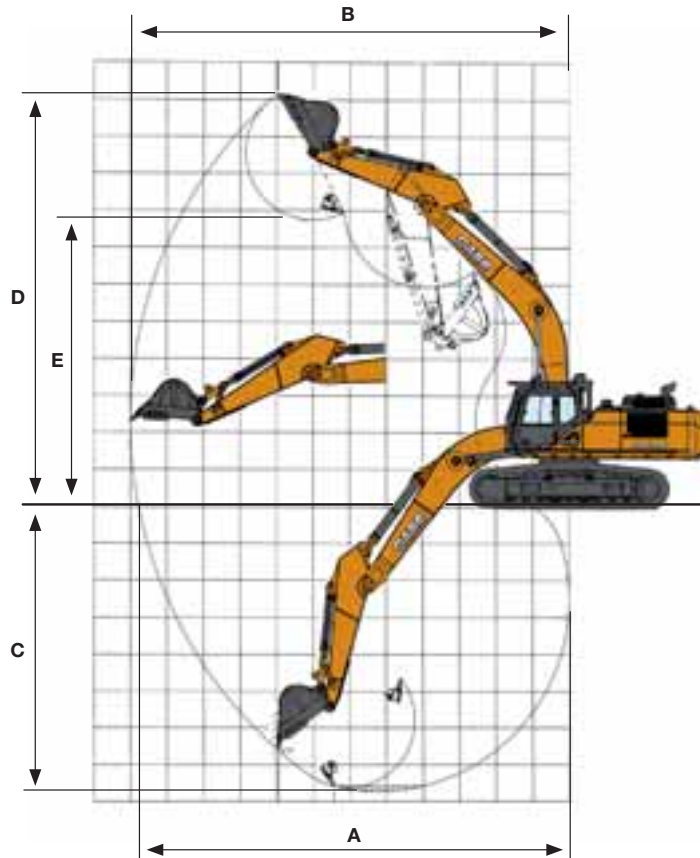
Arm 3.38 m

| | | |
|---|--|----------|
| | Overall length (without attachment) | 6445 mm |
| A | Overall length (with attachment) | 12060 mm |
| B | Overall height (with attachment) | 3620 mm |
| C | Cab height (Top of head guard) | 3440 mm |
| D | Upper structure overall width (without catwalks) | 3060 mm |
| E | Upper structure overall width (with catwalks) | 3590 mm |
| F | Swing (rear end) radius | 3730 mm |
| G | Clearance height under upper structure | 1330 mm |
| H | Minimum ground clearance | 540 mm |
| I | Wheel base (Center to center of wheels) | 4400 mm |
| J | Crawler overall length | 5450 mm |
| K | Track gauge | 2750 mm |
| L | Undercarriage overall width (with 600 mm shoes) | 3350 mm |
| M | Crawler tracks height | 1240 mm |

SPECIFICATIONS

CX470C

PERFORMANCE DATA



CX470C LC

Arm 3.38 m

| | | |
|----------|-----------------------------|-----------------|
| | Boom length | 6980 mm |
| | Bucket radius | 1840 mm |
| | Bucket wrist action | 176° |
| A | Maximum reach at GRP | 11770 mm |
| B | Maximum reach | 12000 mm |
| C | Max. digging depth | 7720 mm |
| D | Max. digging height | 11140 mm |
| E | Max. dumping height | 7740 mm |

DIGGING FORCE

With 2.0 m³ HD bucket (ISO 6015)

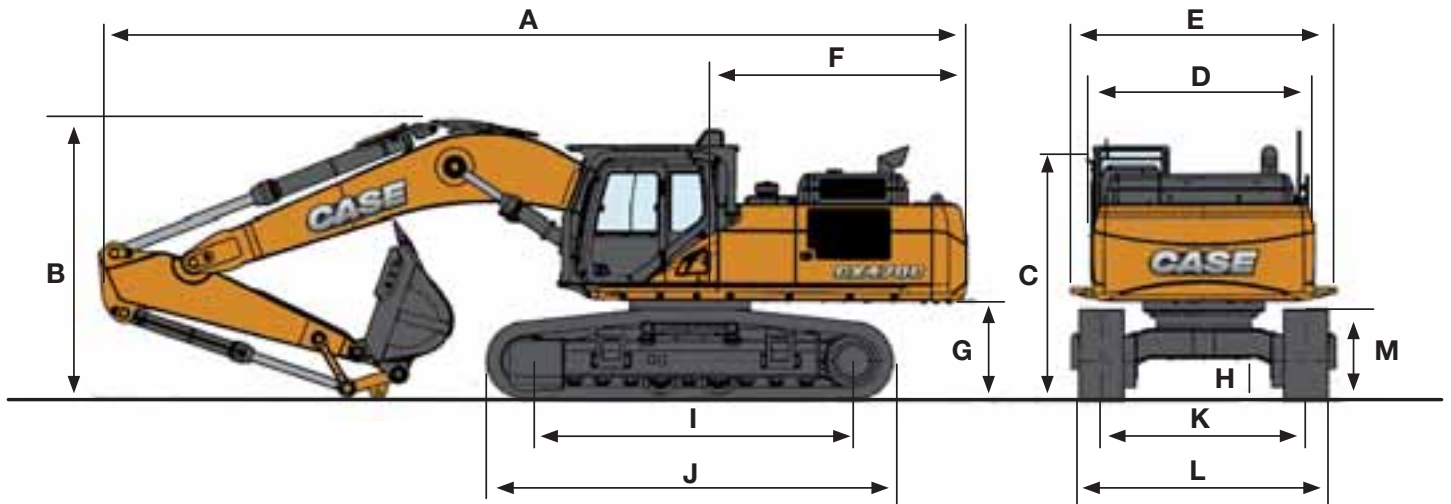
Arm 3.38 m

| | |
|-----------------------------|---------------|
| Arm digging force | 209 kN |
| - with auto power boost | 229 kN |
| Bucket digging force | 247 kN |
| - with auto power boost | 270 kN |

SPECIFICATIONS

CX470C MASS EXCAVATOR

GENERAL DIMENSIONS



FIXED SIDEFRAME UNDERCARRIAGE

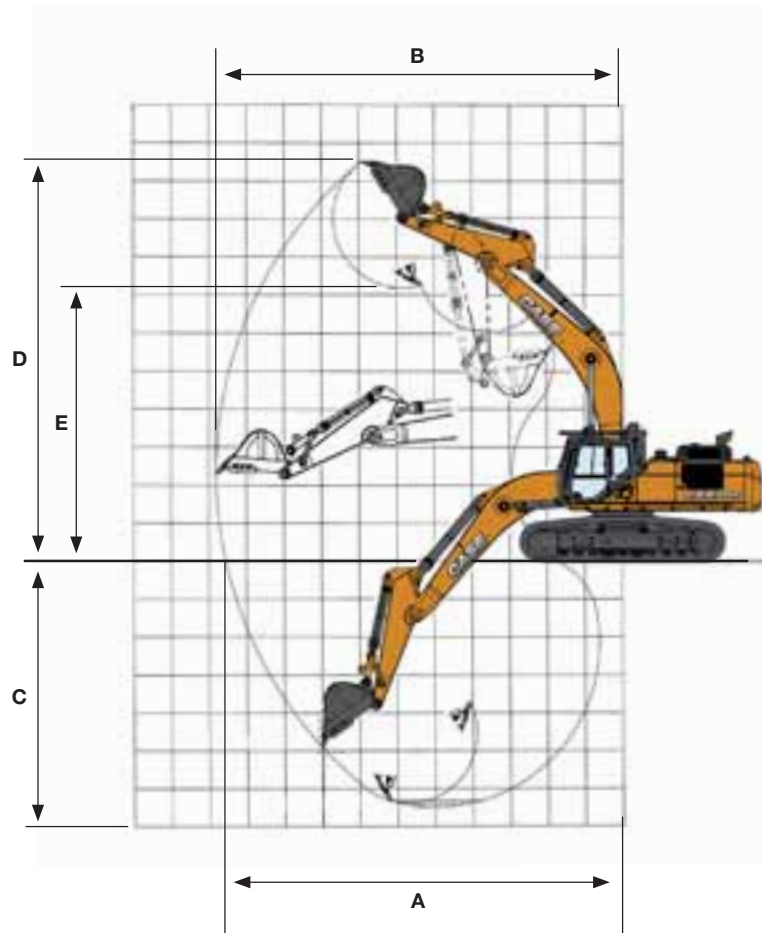
Arm 2.53 m

| | | |
|---|---|----------|
| | Overall length (without attachment) | 6445 mm |
| A | Overall length (with attachment) | 11680 mm |
| B | Overall height (with attachment) | 3780 mm |
| C | Cab height (Top of head guard) | 3440 mm |
| D | Upper structure overall width (without catwalks) | 3060 mm |
| E | Upper structure overall width (with catwalks) | 3590 mm |
| F | Swing (rear end) radius | 3730 mm |
| G | Clearance height under upper structure | 1330 mm |
| H | Minimum ground clearance | 540 mm |
| I | Wheel base (Center to center of wheels) | 4400 mm |
| J | Crawler overall length | 5450 mm |
| K | Track gauge (Extended) | 2750 mm |
| | Track gauge (Retracted) | - |
| L | Undercarriage overall width (Extended) - (with 900 mm shoes) | 3350 mm |
| | Undercarriage overall width (Retracted) - (with 900 mm shoes) | - |
| M | Crawler tracks height | 1240 mm |

SPECIFICATIONS

CX470C MASS EXCAVATOR

PERFORMANCE DATA



FIXED SIDEFRAME UNDERCARRIAGE

| | | |
|---|----------------------|-------------------|
| | | Arm 2.53 m |
| | Boom length | 6550 mm |
| | Bucket radius | 1850 mm |
| | Bucket wrist action | 161 ° |
| A | Maximum reach at GRP | 10560 mm |
| B | Maximum reach | 10810 mm |
| C | Max. digging depth | 6490 mm |
| D | Max. digging height | 10520 mm |
| E | Max. dumping height | 7180 mm |

DIGGING FORCE

With 3.0 m³ HD bucket (ISO 6015)

| | | |
|--|-------------------------|-------------------|
| | | Arm 3.53 m |
| | Arm digging force | 255 kN |
| | - with auto power boost | 279 kN |
| | Bucket digging force | 286 kN |
| | - with auto power boost | 313 kN |

LIFTING CAPACITY

CX470C - CX470C MASS EXCAVATOR

| Front 360° | REACH | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|--------|-------------------|
| | 1,5 m | 3,0 m | 4,5 m | 6,0 m | 7,5 m | 9,0 m | 10,5 m | At max reach m |

LC - Standard arm. 3.38 m arm length, 1.8 m³ HD bucket, 600G shoes, max reach 11.50 m

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9,0 m | | | | | | | | | | 6680* | 6680* | | | 4820* | 4820* | 9,4 | |
| 7,5 m | | | | | | | | | | 7970* | 7100 | | | 4610* | 4610* | 10,37 | |
| 6,0 m | | | | | | | | | 9480* | 9400* | 8740* | 6880 | 7420* | 4970 | 4560* | 4420 | 11,01 |
| 4,5 m | | | | | | 13090* | 13070* | 10670* | 9130 | 9190* | 6560 | 8070* | 4810 | 4650* | 3990 | 11,39 | |
| 3,0 m | | | | | 20600* | 19540 | 15340* | 12350 | 11920* | 8550 | 9890* | 6210 | 7960 | 4620 | 4850* | 3770 | 11,53 |
| 1,5 m | | | | | 22970* | 17870 | 16880* | 11470 | 12890* | 8040 | 10120 | 5900 | 7770 | 4440 | 5170* | 3720 | 11,46 |
| 0 m | | | 9940* | 9940* | 23750* | 17110 | 17400* | 10890 | 13290 | 7660 | 9860 | 5670 | 7630 | 4310 | 5700* | 3850 | 11,17 |
| -1,5 m | 10930* | 10930* | 15560* | 15560* | 23490* | 17200 | 17190* | 10710 | 13110 | 7500 | 9750 | 5560 | 7620 | 4310 | 6510* | 4200 | 10,64 |
| -3,0 m | 17070* | 17070* | 21320* | 21320* | 21780* | 17440 | 16300* | 10820 | 12560* | 7560 | 9670* | 5660 | | | 7790* | 4860 | 9,86 |
| -4,5 m | | | 25410* | 25410* | 18760* | 17570 | 14260* | 11120 | 10780* | 7850 | | | | | 7490* | 6090 | 8,74 |
| -6,0 m | | | 17890* | 17890* | 13780* | 13780* | 10260* | 10260* | | | | | | | 6610* | 6610* | 7,17 |

LC - ME short arm. 2.53 m arm length, 3.0 m³ HD bucket, 600G shoes, max reach 10.40 m

| | | | | | | | | | | | | | | | | | |
|--------|--|--|--------|--------|--------|--------|--------|--------|--------|-------|--------|------|--|--|-------|-------|-------|
| 9,0 m | | | | | | | | | 7790* | 7790* | | | | | 6000* | 6000* | 8,13 |
| 7,5 m | | | | | | | | | 9410* | 9410* | 7730* | 6560 | | | 5660* | 5660* | 9,22 |
| 6,0 m | | | | | | | 11460* | 11460* | 10350* | 9280 | 9100* | 6460 | | | 5520* | 5120 | 9,92 |
| 4,5 m | | | | | 17640* | 17640* | 14130* | 13030 | 11410* | 8800 | 9720* | 6210 | | | 5570* | 4560 | 10,33 |
| 3,0 m | | | | | 21130* | 19230 | 16120* | 12090 | 12450* | 8280 | 10110* | 5930 | | | 5790* | 4290 | 10,48 |
| 1,5 m | | | | | 23590* | 17700 | 17230* | 11290 | 13110* | 7830 | 9900 | 5670 | | | 6190* | 4260 | 10,4 |
| 0 m | | | 13020* | 13020* | 23940* | 17140 | 17280* | 10800 | 13190* | 7510 | 9710 | 5490 | | | 6850* | 4480 | 10,07 |
| -1,5 m | | | 19130* | 19130* | 22760* | 17450 | 16810* | 10740 | 12840* | 7430 | 9670 | 5510 | | | 7970* | 5020 | 9,49 |
| -3,0 m | | | 27110* | 27110* | 20230* | 17700 | 15230* | 10960 | 11410* | 7640 | | | | | 8070* | 6050 | 8,61 |
| -4,5 m | | | 20610* | 20610* | 15890* | 15890* | 11850* | 11070 | | | | | | | 7200* | 7200* | 7,34 |

* Hydraulic capacity 87%



CASE CONSTRUCTION EQUIPMENT
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NOTE: CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. Please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

