



CASE
CONSTRUCTION

HYDRAULIC EXCAVATORS



CX300C | CX350C

MAIN REASONS TO CHOOSE THE C-SERIES

HIGH VERSATILITY

- Standard Flow Regulation;
- Up to 10 attachments settings can be memorised;
- Optional Clamshell circuit;
- MULTI-FITS (safe, automatic and universal).

HIGH RELIABILITY

- New HD boom and arm design: more robust and reinforced to optimise durability and performance;
- Re-designed attachment for more durability: less maintenance cost, higher resale value.

With the CASE top manufacturing quality.

HIGH PRECISION AND CONTROLLABILITY

- Advanced Hydraulic System;
- Unique pump torque control system;
- Advanced energy management with innovative fuel saving functions;
- 3 available power modes to match customers needs.



MAXIMUM COMFORT

Extra large cab: 7% more space vs previous model.

Low noise and vibrations.

Ergonomic workstation.

Real time parameters monitoring.

Fully adjustable seat/joysticks and brand new LCD cluster.

SAFETY FIRST

- A full range of optional front guards;

- Superior visibility;

- Standard Rear view camera.

With Standard Rops cab and Fops, level II certified.

HIGH EFFICIENCY

A combination of engine technology and Advanced Hydraulic System grants 10% of fuel economy. With the 5 Energy Saving Controls, Isuzu Tier III engine and the new ECO gauge function.

LOW TOTAL COST OF OWNERSHIP AND REPAIR COST

- Cab filters access form
- Standard EMS (Easy Maintenance System) bushings
- Long maintenance intervals
- Low effort for serviceability
- Good service access, onboard diagnosis



C-SERIES

HYDRAULIC EXCAVATORS

POWERFUL AND FUEL EFFICIENT ENGINE

The C-Series Hydraulic Excavators are powered by Isuzu engines, designed to boost machine performances and optimise fuel economy.

The 6 cylinders Isuzu engine delivers outstanding power and torque, that reduces the transient time making the hydraulic system immediately reactive to any load.

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



ADVANCED ENERGY MANAGEMENT

- **POWER SAVE:** the pump discharge pressure when the machine is at rest.
- **PUMP TORQUE CONTROL:** prevents drop in engine rpm when lifting heavy loads.

Less fuel consumption and effective energy usage thanks to the **5 ENERGY SAVING FUNCTIONS:**

- **BEC - Boom Economy Control:** it increases the fuel efficiency during the lowering of the boom and swing operations;
- **AEC - Automatic Economy Control:** it reduces the rpm when the joysticks are in neutral position;



- **SRC - Swing Relief Control:** the pump sends a small amount of oil at the very beginning of the slewing operations;
- **SSC - Spool Stroke Control:** automatic speed adjustment during digging and leveling;
- **AES - Auto Energy Safe:** Auto Idle and Idle Shut Down.



HIGH RELIABILITY

Improved design for durable performances

The new boom and arm are Heavy Duty, more robust and reinforced in the more stressed areas, optimising the durability and the performances at the same time: the boom is average 8% lighter than the previous series.

HD booms and arms are standard, to grant the maximum reliability also in the toughest applications.

Increased productivity: extra lifting capacity thanks to the front attachment optimisation;

Maximum efficiency: lighter, but stronger front attachment (more lifting, less fuel consumption);

Higher resale value: re-designed attachment for more durability and less maintenance cost.



ROBUSTNESS

The C-Series Hydraulic Excavators undercarriage is made with high quality components, with thick structural plates in the areas where components required and higher level of resistance.

Heavy duty solutions

The Heavy duty undercarriage ensures safe and productive performance in all terrains.

- X-chassis design to grant a better weight distribution and a superior stability;
- Heavy duty and high quality material;
- Heavy duty travel engine protection;
- Extra heavy duty carrier roller brackets.

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HYDRAULIC EXCAVATORS

COMFORT AND SAFETY

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



OUTSTANDING VISIBILITY

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



COMFORT RULES

FIRST CLASS CAB AND SEAT



C-SERIES

HYDRAULIC EXCAVATORS

CX300C

ENGINE

Model _____ ISUZU GH-6HK1X
 Type Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler
 Emission certified _____ Tier III
 Displacement _____ 7,79 l
 Bore/stroke _____ 115 mm x 125 mm
 Horsepower ISO 14396 _____ 212 kW at 1800 min⁻¹
 _____ Imperial _____ 284 hp
 _____ Metric _____ 288 hp
 Maximum torque ISO 14396 _____ 1020 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
 Max. oil flow _____ 2 x 270 liter/min at 2000 min⁻¹
 Working circuit pressure _____
 Boom/Arm/Bucket circuit _____ 34.3 MPa
 Boom/Arm/Bucket circuit (with Power Boost) _____ 37.3 MPa
 Swing circuit _____ 30.4 MPa
 Travel circuit _____ 34.3 MPa

SWING

Maximum swing speed _____ 10,0 min⁻¹
 Swing torque _____ 92,100 Nm

FILTERS

Suction filter _____ 105 µm
 Return filter _____ 6 µm
 Pilot line filter _____ 8 µm

WEIGHT AND GROUND PRESSURE

With 3.18 m arm, 1.1 m³ bucket, 600 mm grouser shoes, operator, lubricant, coolant and full fuel tank, top guard OPG level 2.

CX300C	WEIGHT	GROUND PRESSURE
600 mm grouser shoe	30,000 Kg	0.057 Mpa

TRAVEL

Travel motor _____ Variable displacement axial piston motor
 Max travel speed _____ 5.7 km/h
 Low travel speed _____ 3.3 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 233 kN

ELECTRICAL SYSTEM

Voltage _____ 24 V
 Alternator _____ 50 Amp
 Starter motor _____ 5.0 kW
 Battery _____ 2X12V 128 Ah/5 HR

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

CAPACITIES

Fuel tank _____ 450
 Hydraulic system _____ 300
 Cooling system _____ 32.7 l
 Engine Crank Case _____ 41 l

SPECIFICATIONS

CX350C

ENGINE

Model _____ ISUZU GH-6HK1X
Type Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler
Emission certified _____ Tier III Interim
Displacement _____ 7.79 l
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 14396 _____ 212 kw @ 2000 min⁻¹
Imperial _____ 284 hp
Metric _____ 288 hp
Maximum torque ISO 14396 _____ 1020 Nm @ 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
Max oil flow _____ 2 x 300 l/min @ 2000 min⁻¹
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (With Power Boost) _____ 37.3 MPa
Swing circuit _____ 30.4 MPa
Travel circuit _____ 34.3 MPa

SWING

Swing torque _____ 112,000 Nm
Max swing speed _____ 10.0 min⁻¹

FILTERS

Suction filter _____ 105 µm
Return filter _____ 6 µm
Pilot line filter _____ 8 µm

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	GROUND PRESSURE
600 mm grouser shoe	36,900 Kg	0.069 Mpa

TRAVEL

Travel motor _____ Variable displacement axial piston motor (automatic travel speed shifting)
Max travel speed _____ 5.4 km/h
Low travel speed _____ 3.4 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 263 kN

ELECTRICAL SYSTEM

Voltage _____ 24V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Battery _____ 2x12 128 Ah/5 HR

UNDERCARRIAGE

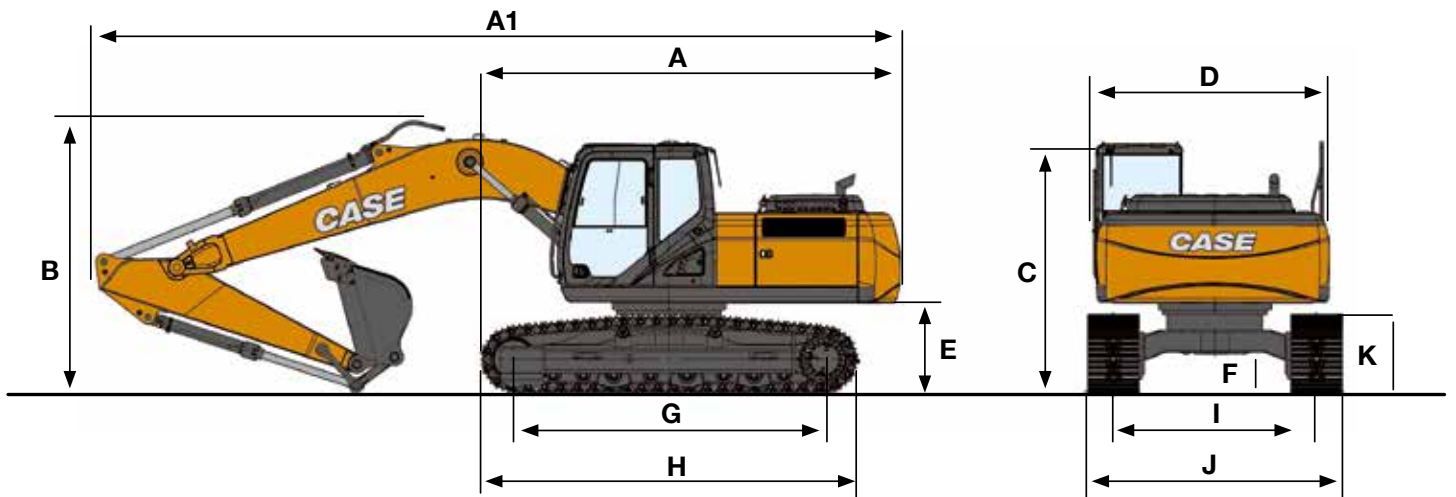
Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 8
Number of shoes (each side) _____ 48
Type of shoe _____ Triple grouser shoe

CAPACITIES

Fuel tank _____ 580 l
Hydraulic system _____ 350 l
Cooling system _____ 32.9 l
Engine Crank Case _____ 41 l

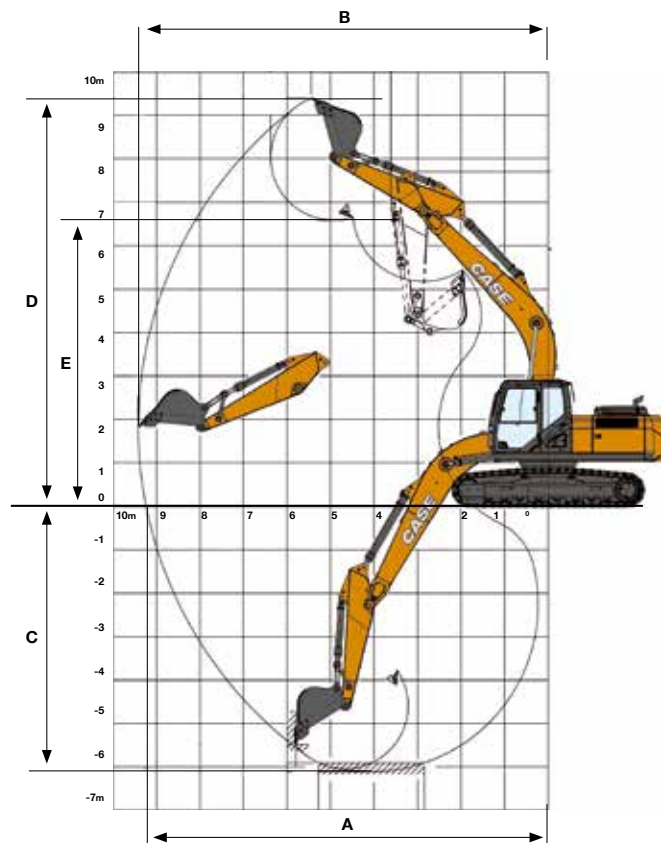
C-SERIES

HYDRAULIC EXCAVATORS



GENERAL DIMENSIONS

		CX300C Arm 3.18m	CX350C Arm 3.25 m
A	Overall length (without attachment)	mm	5590
A1	Overall length (with attachment)	mm	10450
B	Overall height (with attachment)	mm	11140
C	Cab height	mm	3420
D	Upper structure overall width	mm	3260
	Swing (rear end radius)	mm	3030
E	Clearance height under upper structure	mm	3160
F	Minimum ground clearance	mm	1200
G	Wheel base (Centre to center of wheels)	mm	470
H	Crawler overall length	mm	3980
K	Crawler tracks height	mm	4980
I	Track gauge	mm	1040
J	Undercarriage overall width (with 600 mm shoes)	mm	2600
		mm	3200



PERFORMANCE DATA

		CX300C Arm 3.18 m	CX350C Arm 3.25 m
Boom length	mm	6150	6450
Bucket radius	mm	1570	1680
Bucket wrist action	°	176°	173°
A Maximum reach at GRP	mm	10500	10980
B Maximum reach	mm	10670	11170
C Max. digging depth	mm	7100	7340
D Max. digging height	mm	10060	10370
E Max. dumping height	mm	7090	7230
Arm digging force (with Power Boost)	kN	132	179
Bucket digging force (with Power Boost)	kN	190	252

LIFTING CAPACITY

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

CX300C Standard arm 3.18 m, 1.1 m³ bucket (810 kg) bucket, 600 mm shoes, max reach 10.30 m

9.0 m														3540*	3540*	7,41
7.5 m									4920*	4920*				3290*	3290*	8,72
6.0 m									5790*	5640	4700*	4050		3200*	3200*	9,56
4.5 m							8090*	7790*	7260*	5460	5780*	3960		3240*	3180	10,1
3.0 m			18480*	18480*	12910*	11810	9750*	7480	7940	5220	5900	3830		3370*	2980	10,3
1.5 m			7270*	7270*	15540*	10910	11020	7040	7730	4980	5750	3690		3590*	2930	10,3
0 m			8280*	8280*	16420*	10310	10740	6690	7510	4780	5630	3580		3940*	3000	10
-1.5 m	8220*	8220*	10890*	10890*	16580*	10140	10520	6510	7380	4660	5580	3540		4520*	3230	9,54
-3.0 m	10640*	10640*	14530*	14530*	15850*	10210	10520	6530	7400	4690				5520*	3690	8,78
-4.5 m	14240*	14240*	19680*	19680*	13970*	10420	10390*	6700	7440	4820				6950*	4600	7,66
-6.0 m			14040*	14040*	10210*	10210*	6860*	6790*						6570*	6570	6,04

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

CX350C Standard arm 3.25 m, 1.4 m³ bucket (1170 kg) bucket, 600 mm shoes, max reach 10.70 m

9.0 m																3850*	3850*	8,23
7.5 m									6610*	6610*	5210*	5210*				3620*	3620*	9,36
6.0 m									7420*	7170	6730*	5240				3540*	3540*	10,1
4.5 m					7090*	7090*	9670*	9670*	8220*	6980	7280*	5080	3910*	3760		3580*	3580*	10,6
3.0 m			18010*	18010*	15830*	14780*	11470*	9500	9260*	6630	7540	4880	5320*	3670		3710*	3510	10,7
1.5 m			7490*	7490*	18080*	13780	12950*	8910	9840*	6310	7330	4680	5460*	3580		3940*	3460	10,7
0 m			10510*	10510*	18950*	13090	13660	8480	9570	6050	7170	4530				4330*	3560	10,4
-1.5 m	10500*	10500*	14270*	14270*	18960*	12980	13480	8290	9420	5910	7100	4470				4940*	3850	9,91
-3.0 m	14510*	14510*	19160*	19160*	18050*	13100	13360*	8340	9460	5960	7160	4560				5990*	4420	9,13
-4.5 m	19170*	19170*	22330*	22330*	15950*	13400	11930*	8560	8820*	6230						7400*	5500	8,01
-6.0 m			16200*	16200*	11910*	11910*	8390*	8390*								7110*	7110*	6,4



AROUND YOU

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 utilisation.**
- **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 maximise 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 minimise 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.

STANDARD AND OPTIONAL

STANDARD EQUIPMENT

ENGINE

Isuzu 6-cylinder turbo-charged diesel
Tier III Certified
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
500-hour engine oil change interval
24-Volt system
Battery disconnect switch
High ambient temperature cooling package
Fuel cooler
Fuel filter restriction indicator
Idle start
Radiator, oil cooler, intercooler
Refueling Pump

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:
Auto-idle
One-touch idle
Auto-idle shut-down
Torque control
Boom Economy Control (BEC)
Swing Relief Control (SWC)
Spool Stroke Control (SSC)

HYDRAULICS

Auto power boost
Auto travel speed change
Selectable work modes
Single acting pedal activated hammer circuit
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

UPPERSTRUCTURE

ISO mirrors
Handrail – RH access
ISO guard rails
Isolation mounted cab (4 point fluid mounting)
Lifting eyes for counterweight
Lockable fuel cap, service doors and toolbox
Rear and side view safety camera

UNDERCARRIAGE

600 mm steel triple grouser shoes
LC type (Long Carriage) undercarriage
Full overlap turntable bearing tub
Sealed link chain
Double center track guards on CX350C

ATTACHMENTS

HD Monoboom 6.45 m
HD Arm 2.63 m
HD bucket linkage without hook

Boom mounted work light
Auxiliary pipe brackets
Centralised lube bank
Attachment cushion valve

OPERATOR STATION

Pressurised cab
Safety glasses for all windows
Sun visor&rain deflector
AC/heat/defrost w/auto climate control
Hot&coolbox, cup holder & ashtray
Cloth covered air-suspension seat fully adjustable and reclinable
Adjustable armrests
Tilting consoles - 4-position
Low-effort joystick controls
Sliding cockpit 180 mm
Auxiliary select system
Multifunction LCD colour monitor (180 mm)
Anti-theft system (start code system)
Rubber floor mat
12 V electric socket /24 Vcigarette lighter
One-piece right hand window
Internal & external view mirrors
Working lights (boom&upperstructure)
Cab top working lights
Windshield wiper / washer
Storage compartments
On-board diagnostic system

OPTIONAL EQUIPMENT

HYDRAULICS

Clamshell circuit/Low-flow circuit
Single/Double acting multifunction auxiliary circuit - pedal activated (hammer/high flow)

ATTACHMENTS

HD Arm 3.25 m
Hydraulic quick coupler provision
Safety valves and HD bucket linkage with hook

UNDERCARRIAGE

700 / 800 mm steel shoes
Full Track Guards on CX350C

OPERATOR STATION

ROPS level II
Front cab guard - vertical bars (OPG level 2)
Front cab guard - vertical bars (OPG level 1)
Front mesh screen
AM/FM CD/radio with antenna and 2-speakers

OTHERS

Overload warning device
Travel alarm



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 centre of our product development.

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

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

CASECE.com

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

Conforms to directive 2006/42/EC

