CX210C

HYDRAULIC EXCAVATOR

CASE CONSTRUCTION

QUALITY YOU CAN TRUST

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EXPERTS FOR THE REAL WORLD

SINCE 1842

SPECIFICATIONS

CX210C

ENGINE

Model ISUZU GF-4HK1X
Type Water-cooled, 4-cycle diesel, 4-cylinder in line, electronically controlled, high pressure common rail system, variable geometry turbocharger, air cooled intercooler.
Number of cylinders/displacement 5.19 l
Bore/Stroke 115 x 125 mm
Rated flywheel horse power
Horsepower ISO 9249 (Net) 117.3 kW at 1800 min $^{-1}$
Horsepower ISO 14396 (Gross) 122 kW at 1800 min $^{-1}$
Maximum torque ISO 9249 (Net) 608 Nm at 1600 min $^{-1}$
Maximum torque ISO 14396 (Gross) 624 Nm at 1600 min $^{-1}$
Emission Level Tier III

HYDRAULIC SYSTEM

Main pumps 2 variable displacement axial piston pumps with regulating system
Max oil flow 2 x 211 l/min at 1800 min $^{-1}$
Working circuit pressure
Boom/Arm/Bucket circuit 34.3 MPa
Boom/Arm/Bucket circuit (with Power Boost) 36.8 MPa
Swing circuit 29.4 MPa
Travel circuit 34.3 Mpa

SWING

Maximum swing speed 11.5 min^{-1}
Swing torque 64000 Nm

FILTERS

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

PERFORMANCE DATA

			CX210C Arm 2.40 m	CX210C Arm 2.94 m
	Boom length	mm	**5700**	**5700**
	Bucket radius	mm	**1450**	**1450**
	Bucket wrist action	°	**177**	**177**
A	**Maximum reach at GRP**	mm	**9240**	**9730**
B	**Maximum reach**	mm	**9420**	**9900**
C	**Max. digging depth**	mm	**6110**	**6650**
D	**Max. digging height**	mm	**9410**	**9610**
E	**Max. dumping height**	mm	**6590**	**6810**
	Arm digging force with auto power up		**132 kN**	**110 kN**
	Bucket digging force with auto power up		**152 kN**	**152 kN**

WEIGHT

2.94 m arm, 0.9 m^3 bucket, 600mm grouser shoe, operator, lubricant, coolant and full fuel tank.

OPERATING MASS	**21,500 Kg**

TRAVEL

Travel motor Variable displacement axial piston motor (automatic travel speed shifting)
Max travel speed 5.6 km/h
Low travel speed 3.4 km/h
Gradeability 70% (35°)
Drawbar pull 188 kN

ELECTRICAL SYSTEM

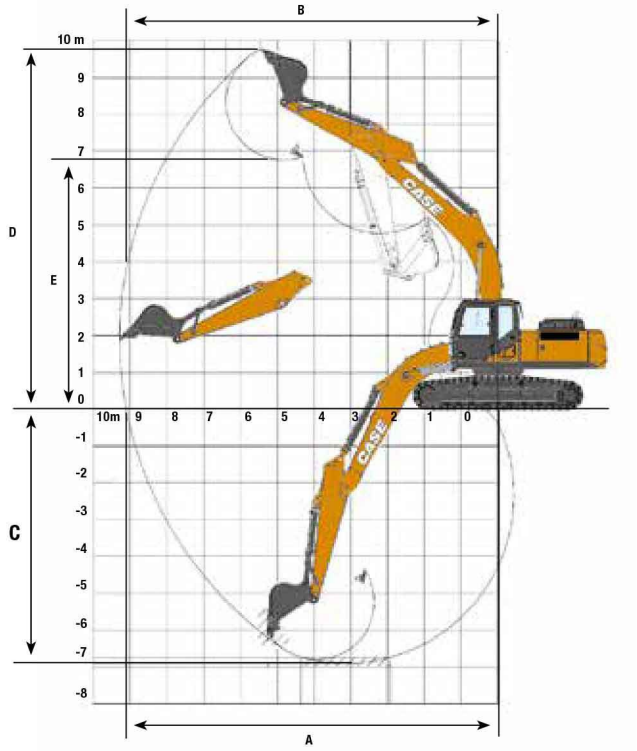
Circuit 24V
Alternator 50 Amp
Starter motor 5.0 kW
Batteries
Indonesia, Malaysia, Philippines 2x12V 88 Ah/5HR
Indonesia, Malaysia, Philippines 2x12V 92 Ah/5HR

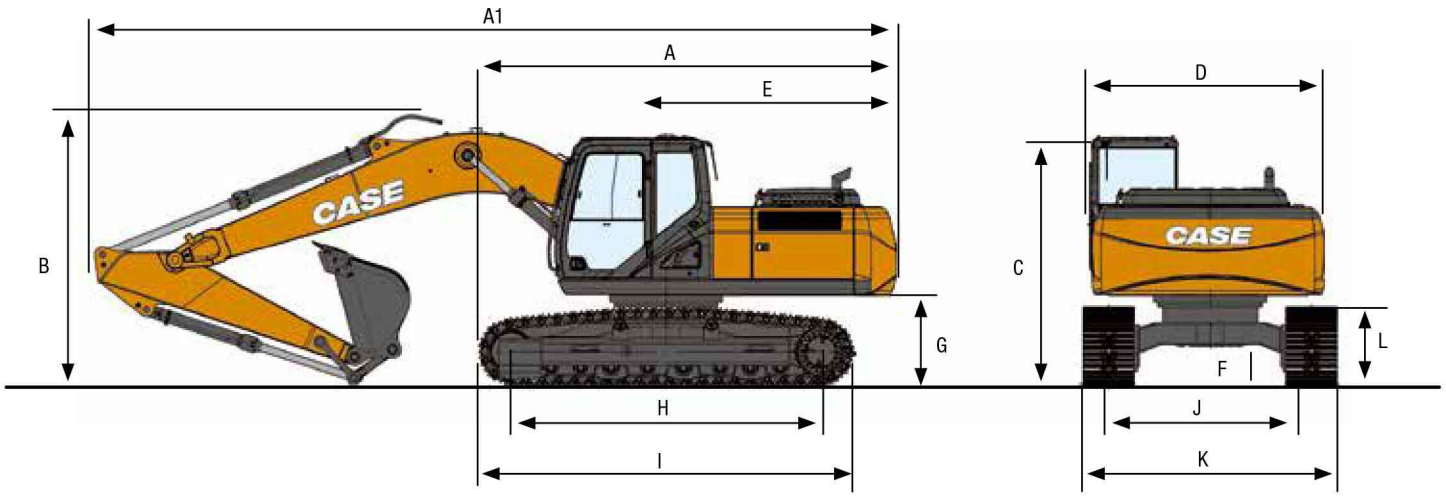
UNDERCARRIAGE

Number of carriers rollers (each side) 2
Number of track rollers (each side) 7
Number of shoes (each side) 46
Type of shoe Triple grouser shoe

CAPACITIES

Fuel tank 410 lt
Hydraulic system 240 l
Cooling system 29.8 l
Engine crank case 23.1 l





GENERAL DIMENSIONS

			CX210C	
			Arm 2.40 m	Arm 2.94 m
A	Overall length (without attachment)	mm	4810	4810
A1	Overall length (with attachment)	mm	9480	9400
B	Overall height (with attachment)	mm	3190	2970
C	Cab height	mm	2950	2950
D	Upper structure overall width	mm	2770	2770
E	Swing (rear end) radius)	mm	2750	2750
G	Clearance height under upper structure	mm	1040	1040
F	Minimum ground clearance	mm	440	440
H	Wheel base (Center to center of wheels)	mm	3370	3370
I	Crawler overall length	mm	4180	4180
L	Crawler tracks height	mm	920	920
J	Track gauge	mm	2200	2200
K	Undercarriage overall width (with 800 mm shoes)	mm	3000	3000

CX210C Standard arm 2.94 m, 800 mm shoes, 0.80 BUCKET (650 kg)

Front / 360°	REACH										
	4.5 m		6.0 m		7.5 m		9.0 m		At max reach		m
7.5 m									2500*	2500*	7,34
6.0 m					4000*	3080			2340*	2340*	8,3
4.5 m	5970*	5970*	4870*	4410	4360*	2970			2300*	2100	8,9
3.0 m	8300*	6310	5940*	4080	4350	2810	3160	1990	2360*	1890	9,22
1.5 m	7180*	5730	5960	3780	4180	2650	3080	1920	2520*	1820	9,25
0 m	5850*	5530	5750	3590	4050	2540	2900*	1870	2800*	1860	9,01
-1.5 m	6690*	5510	5680	3520	4000	2490			3270*	2060	8,48
-3.0 m	8410*	5560	5720	3560	4060	2550			4010	2510	7,57

OPTIONAL EQUIPMENT

CAB AND OPERATOR COMPARTMENT
Rops/fops protection
Iron roof window
Sun visor & rain deflector
Sun shade
Case telematics sitewatch

EQUIPMENT AND UNDERCARRIAGE
Arm 1.90m
Arm 2.40m
Arm 2.94m
Hd bucket linkage w/ hook
Arm and boom hose burst check valves
600mm triple grouser steel shoes
700mm triple grouser steel shoes
800mm triple grouser steel shoes
Single truck guide
Triple track guide
Auxiliary single acting circuit
Auxiliary single or double acting circuit
Auxiliary double acting circuit
Hose burst control valve on boom & arm cylinder with over load warning device
Refuel pump
Upper front screen (mesh type)
Front grill (bar, opg1)
Front grill (bar, opg2)
Air-pre cleaner - cup type
Air-pre cleaner - cyclone type

MAIN REASONS
TO CHOOSE THE C-SERIES

HIGH EFFICIENCY

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

Torque Control: electronic control of the hydraulic output to prevent engine overloads.
Boom Economy Control (BEC): increased fuel efficiancy in boom lowering/swinging operations.
Swing Relief Control (SWC): optimized hydraulic power distribution in slewing operations. to deliver the most efficient flow and pressure.
Spool Stroke Control (SSC): Pressure and flow during digging and leveling operations

IDLE FUNCTIONS
Auto Idle: lowers engine rpm after 5 seconds of lever inactivity.
Idle Shutdown: shuts the engine down after a pre-set time.

OUTSTANDING VISIBILITY

Safe and fast operations.
More comfort.
With wider glazed area.

COMFORT AND SAFETY

Spacious and safe cab.
Low noise and vibrations.
Ergonomic workstation.
Real time parameters monitoring
With the newly designed cab, fully adjustable seat/joysticks and brand new LCD cluster.

LOW TOTAL COST OF OWNERSHIP

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

HIGH PRECISION AND CONTROLLABILITY

High performance. Smooth control.
Improved fuel efficiency.
With CASE Intelligent Hydraulic System.

FAST CYCLES

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

HIGH VERSATILITY

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

HIGH RELIABILITY

Robust design. Increased durability.
Lower cost of ownership.
With the CASE top manufacturing quality.