C-SERIES HYDRAULIC EXCAVATORS
CX130C

CASE
CONSTRUCTION

QUALITY
YOU CAN TRUST

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EXPERTS FOR THE REAL WORLD

SINCE 1842

MAIN REASONS
TO CHOOSE THE CX130C

HIGH PRECISION AND CONTROLLABILITY
High performance.
Smooth control.
Improved fuel efficiency.
With CASE Intelligent Hydraulic System.

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

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

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

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

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.

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

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

HIGH PRECISION AND CONTROLLABILITY

The proven CASE Intelligent Hydraulic System (CIHS) delivers impressive machine control with unrivalled energy and fuel savings in all cycle time phases. New synthetic hydraulic filter reduces system contamination, cutting service costs and boosting machine longevity.

FAST CYCLES

The advanced hydraulic system offers higher breakout forces, improved swing speeds and greater swing torque, resulting in **faster cycle times and 5% increase in productivity.** Power boost function is automatically engaged. The electronic management of speed and power lowers fuel consumption and offers considerable productivity benefits in terms of outputs.

HIGH EFFICIENCY

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

- **Torque Control**: electronic control of the hydraulic output to prevent engine overloads.
- **Boom Economy Control (BEC)**: increased fuel efficiency 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.

The CX130C is powered by **Isuzu engines**, designed to boost machine performances and optimize fuel economy. Fuel consumption can be constantly monitored by the operator throughout the **new ECO gauge function**, that displays in real time the energy level utilized.

LOW TOTAL COST OF OWNERSHIP

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

C-SERIES
HYDRAULIC EXCAVATORS

HIGH RELIABILITY

Accurate, smart and robust design for durable performances.
The CX130C delivers leading design solutions and manufacturing quality.

• The new boom and arm structures are more robust and reinforced in the more stressed areas, optimizing the durability and performances at the same time. The adoption of forged brackets, casted components and anti-friction shims solution has made the machine's structures stronger and durable. This new design grants higher robustness and optimized structure weight, making the machine more agile and productive.
• Increased productivity: extra lifting capacity thanks to the front attachment optimization;
• 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.
• Longer greasing intervals with the EMS bushing type, allows extending the life of the machine and reducing the routine maintenance time. (1000 hours greasing interval)
• The Heavy Duty undercarriage is made with high quality components, with thick structural plates in the areas where components required and higher level of resistance.
The Heavy duty undercarriage ensures safe and productive performance in all terrains.
• The sloped lower frame design avoids that material remains entrapped in between the undercarriage's components, avoiding the risk of premature wearing of them. This design makes easy to clean the undercarriage, saving time to the customer.
• 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.

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 – suspensioned seat.
• Air conditioning system with 25% more airflow and 6% better performances compared to B-Series.
• 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.

HIGH VERSATILITY

3 power modes to match any customer need:

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

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

C- SERIES
HYDRAULIC EXCAVATORS

CX130C

ENGINE

Model ISUZU GG-4JJ1X
Type Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler.
Emission certified EGR Less
Displacement 3.0 l
Bore/Stroke 95.4 x 104.9 mm
Horsepower ISO 14396 GROSS 73 kW (98 hp) at 2000 min^{-1}
Horsepower SAE J1349 NET 70.9 kW (95 hp) at 2000 min^{-1}
Maximum torque ISO 14396 GROSS 346 Nm at 1600 min^{-1}
Maximum torque SAE J1349 NET 340 Nm at 1600 min^{-1}

HYDRAULIC SYSTEM

Type 2 variable displacement axial piston pumps with regulating system
Max oil flow 2 x129 l/min @ 2000 min^{-1}
Working circuit pressure
Boom/Arm/Bucket 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) 36.3 MPa
Swing circuit 27.9 MPa
Travel circuit 34.3 Mpa

SWING

Maximum swing speed 14.3 min^{-1}
Swing torque 33,000 Nm

FILTERS

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

PERFORMANCE DATA

			Arm 2.49 m	Arm 3.0 m
	Boom length	mm	4630	4630
	Bucket radius	mm	1200	1200
	Bucket wrist action	°	178	178
A	Maximum reach at GRP	mm	8170	8640
B	Maximum reach	mm	8310	8770
C	Max. digging depth	mm	5540	6050
D	Max. digging height	mm	8770	9050
E	Max. dumping height	mm	6390	6680
	Arm digging force with auto power up	kN	66	60
	Bucket digging force with auto power up	kN	95	95

WEIGHT AND GROUND PRESSURE

2.50 m arm, 0.5 m3 bucket, shoe, operator, lubricant, coolant and full fuel tank

	OPERATING MASS	GROUND PRESSURE
Philippines, Malaysia (600mm shoes)	12,600 Kg	0.034 MPa
Thailand, Myanmar (700 mm shoes)	13,200 Kg	0.030 MPa

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 117 kN

ELECTRICAL SYSTEM

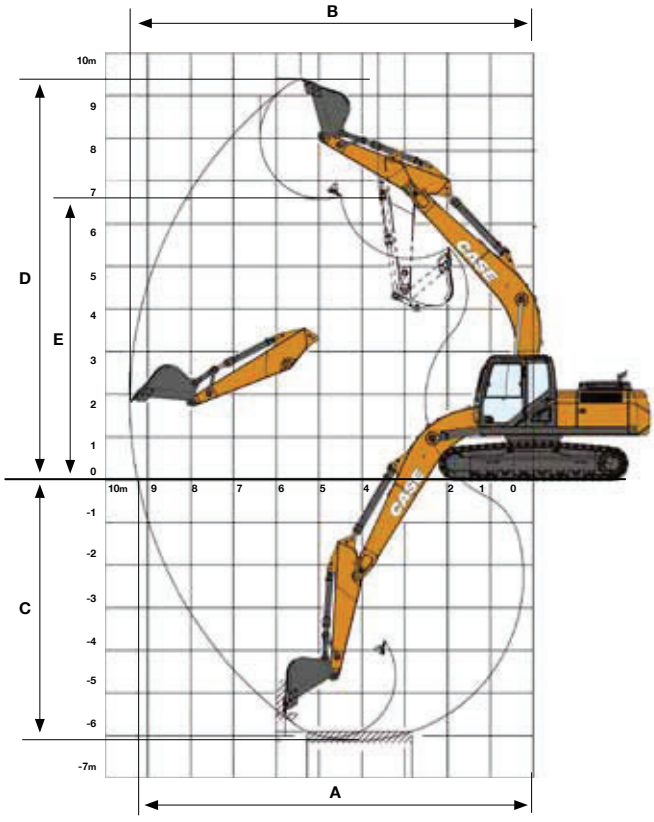
Circuit 24V
Alternator 50 Amp
Starter motor 4.0 kW
Batteries 2x12V 62 Ah/5HR

UNDERCARRIAGE

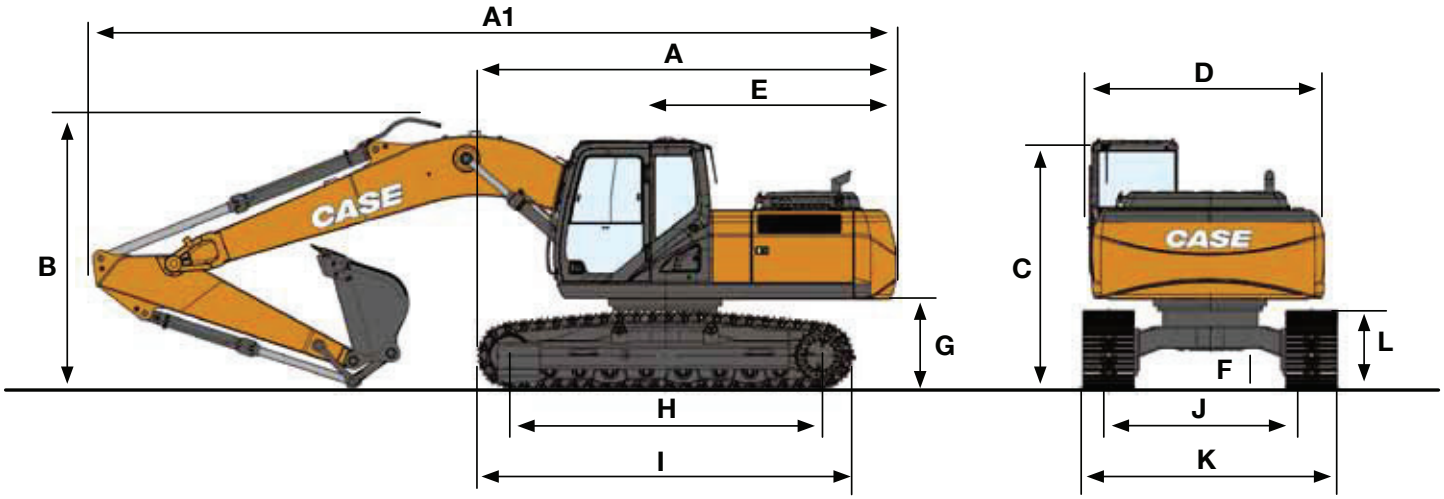
Number of carriers rollers (each side) 1
Number of track rollers (each side) 7
Number of shoes (each side) 43
Type of shoe Triple grouser shoe

CAPACITIES

Fuel tank 260 lt
Hydraulic system 157 lt
Cooling system 17,6 lt
Engine Crank Case 17 lt



GENERAL DIMENSIONS
AND LIFTING CAPACITY



GENERAL DIMENSIONS

			Arm 2.5 m	Arm 3.01 m
A	Overall length (without attachment)	mm	3880	3880
A1	Overall length (with attachment)	mm	7620	7640
B	Overall height (with attachment)	mm	2820	2820
C	Cab height	mm	2800	2800
D	Upper structure overall width	mm	2540	2540
E	Swing (rear end radius)	mm	2130	2130
F	Clearance height under upper structure	mm	890	890
G	Minimum ground clearance	mm	425	425
H	Wheel base (Center to center of wheels)	mm	2790	2790
I	Crawler overall length	mm	3500	3500
L	Crawler tracks height	mm	780	780
J	Track gauge	mm	1990	1990
K	Undercarriage overall width (with 500 mm shoes)	mm	2490	2490

LIFTING CAPACITY

CX130C - 2.50 m Standard Arm, 600 mm shoes, 0.50 m3 bucket (400 kg), maximum reach at 8.31 m

Front / 360°	REACH														
	0 m		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max reach		m
7.5 m							1840*	1840*					1440*	1440*	5,22
6.0 m									2390*	2130			1220*	1220*	6,7
4.5 m							2920*	2920*	2830*	2100	1260*	1260*	1160*	1160*	7,53
3.0 m					5280*	5280*	3980*	3240	2770	2000	1880	1330	1160*	1160*	7,94
1.5 m					7760*	5690	4250	3000	2650	1890	1830	1280	1220*	1130	8,02
0 m			2530*	2530*	7990*	5270	4040	2810	2550	1800	1780	1240	1360*	1160	7,8
-1.5 m			5030*	5030*	8020	5240	3950	2740	2510	1760			1630*	1310	7,25
-3.0 m			7830*	7830*	8170	5340	4000	2790	2570	1820			2200*	1660	6,31
-4.5 m					6550*	5520	4070	2910					3550*	2630	4,76

CX130C - 2.50 m Standard Arm, 700 mm shoes, 0.50 m3 bucket (400 kg), maximum reach at 8.31 m

7.5 m							1840*	1840*					1440*	1440*	5,22
6.0 m									2390*	2180			1220*	1220*	6,7
4.5 m							2920*	2920*	2850*	2150	1260*	1260*	1160*	1160*	7,53
3.0 m					5280*	5280*	3980*	3310	2840	2050	1920	1370	1160*	1160*	7,94
1.5 m					7760*	5810	4340	3070	2720	1940	1870	1320	1220*	1160	8,02
0 m			2530*	2530*	7990*	5390	4130	2880	2620	1840	1830	1280	1360*	1200	7,8
-1.5 m			5030*	5030*	8190	5360	4050	2800	2570	1800			1630*	1350	7,25
-3.0 m			7830*	7830*	8330	5460	4090	2850	2630	1870			2200*	1700	6,31
-4.5 m					6550*	5630	4070*	2980					3550*	2690	4,76

CX130C - 3.01 m Long Arm, 600 mm shoes, 0.50 m3 bucket (400 kg), maximum reach at 8.77 m

7.5 m													1310*	1310*	5,96
6.0 m									2180*	2140*			1140*	1140*	7,26
4.5 m									2540*	2100	1890	1340	1090*	1090*	8,02
3.0 m							3400*	3220	2770*	1990	1840	1290	1090*	990	8,4
1.5 m					6530*	5790	4240	2990	2620	1840	1770	1220	1150*	940	8,49
0 m			2550*	2550*	8060	5170	3970	2730	2480	1720	1710	1160	1280*	960	8,28
-1.5 m	3710*	3710*	4520*	4520*	7800	5010	3820	2600	2410	1650	1680	1140	1520*	1070	7,76
-3.0 m	4980*	4980*	6590*	6590*	7930	5090	3840	2620	2430	1670			1950	1330	6,89
-4.5 m			10620	10620*	7270*	5310	3980	2790					2860	1980	5,49

CX130C - 3.01 m Long Arm, 700 mm shoes, 0.50 m3 bucket (400 kg), maximum reach at 8.77 m

7.5 m													1310*	1310*	5,96
6.0 m									2180*	2180*			1140*	1140*	7,26
4.5 m									2540*	2150	1940	1370	1090*	1090*	8,02
3.0 m							3400*	3270	2820	2030	1890	1330	1090*	1030	8,4
1.5 m					6530*	5910	4330	3060	2680	1890	1820	1260	1150*	970	8,49
0 m			2550*	2550*	8230	5290	4070	2800	2550	1770	1760	1200	1280*	1000	8,28
-1.5 m	3710*	3710*	4520*	4520*	7970	5130	3920	2670	2470	1690	1730	1170	1520*	1110	7,76
-3.0 m	4980*	4980*	6590*	6590*	8110	5210	3940	2690	2490	1720			1990*	1370	6,89
-4.5 m			10620*	10620*	7270*	5430	4060	2860					2930	2040	5,49

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CASE CONSTRUCTION

PARTS AND SERVICE

Wide network of customer support across the world.
No matter where you work, we're here to support and protect your investment and exceed your expectations. You can count on Case and your Case dealer for full-service solutions-productive equipment, expert advice, flexible financing, genuine Case parts and fast service. We're here to provide you with the ultimate ownership experience. To locate a Case dealer or learn more about Case equipment or customer service, go to www.casece.com

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