

C-SERIES HYDRAULIC EXCAVATORS
CX300C / CX350C / CX380C

CASE
CONSTRUCTION



QUALITY
YOU CAN TRUST

www.casece.com
EXPERTS FOR THE REAL WORLD
SINCE 1842

MAIN REASONS



HIGH EFFICIENCY

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



HIGH RELIABILITY

Robust design.
Increased durability.
Lower cost of ownership.
CASE top Manufacturing quality
Heavy duty Arm/Boom options.



COMFORT AND SAFETY

Spacious and safe cab.
Low noise and vibrations.
Ergonomic workstation.
Real time parameters monitoring.
Fully adjustable seat/joysticks and brand new LED cluster.



HIGH PRECISION AND CONTROLLABILITY

High performance, smooth control and fuel saving with CASE Intelligent Hydraulic System.



TO CHOOSE THE NEW C-SERIES



OUTSTANDING VISIBILITY

Safe and fast operations.

Increased comfort with wider glazed areas and rear/ side cameras.



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.



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.

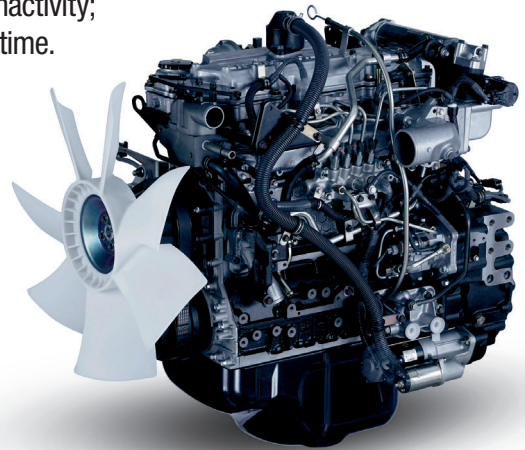
C - SERIES

RELIABLE ENGINE

The C Series Excavators is powered by **Tier III 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 saving level utilized.

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



HIGH RELIABILITY

Improved design and performance

- Monoboom is Heavy Duty as standard **to ensure the best durability in every working conditions.**
- New high strength casting parts with joined hinge flanges **reduce stress on components.**
- The 'sloped' lower frame design reduces the time needed to clean the undercarriage.

Accurate, simple and robust design for high durability

- The C Series Excavators deliver leading design solutions and manufacturing quality.
- Boom and arm feature forged brackets and **reduced tolerances for increased component life minimizing downtime.**
- The anti-friction resin shims in the boom foot and head reduce noise and free play, **increasing durability and reliability for the customer.**
- New synthetic hydraulic filter reduces system contamination, **cutting service costs and boosting machine longevity.**



HIGH EFFICIENCY

CASE advanced energy management consists of 5 Energy Saving Controls:

- **Torque Control:** electronic control of the hydraulic oil flow 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):** automatic pressure adjustment during digging and leveling operations

Idle functions

- **Auto Idle:** lowers engine rpm after 5 seconds of joystick inactivity;
- **Idle Shutdown:** shuts the engine down after a pre-set time.

CRAWLER EXCAVATORS



HIGH VERSATILITY

3 power modes to choose from:

- 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 settings** (and pressures as optional) to easily switch among different attachments with no need of any mechanical adjustment.



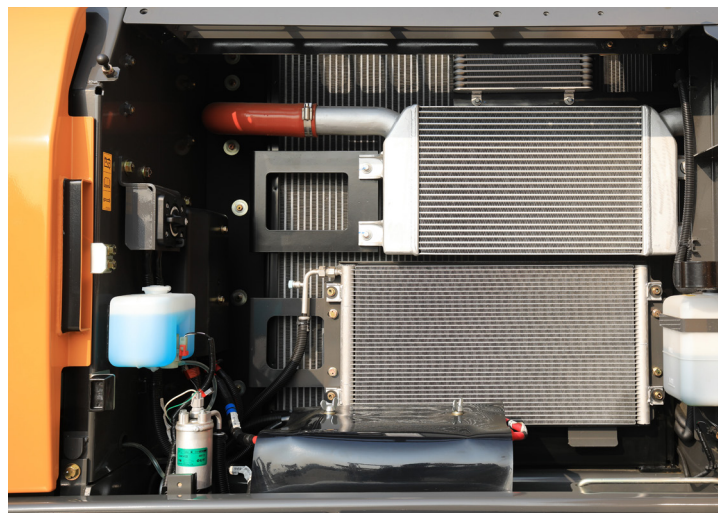
FAST CYCLES

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.



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 coolers are mounted side by side for more efficient cooling and easy access for cleaning.
- Optional refueling pump with auto cut off reduces downtime for regular fills.



C - SERIES



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 as option.
- Air conditioning system with 25% more airflow and 6% better performances compared to B-Series.



OUTSTANDING VISIBILITY

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





C- SERIES

CX300C

ENGINE

Model _____ ISUZU GH-6HK1X
Type _____ Water-cooled, 4-cycle diesel, 6-cylinder in line, electronically controlled, high pressure common rail system , turbocharger, air cooled intercooler.
Emission certified _____ Tier III
Displacement _____ 7.79 l
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 14396 GROSS _____ 212 kW (284hp) at 2000 min⁻¹
Horsepower ISO 9249 NET _____ 202 kW (270hp) at 2000 min⁻¹
Maximum torque ISO 14396 _____ 1020 Nm at 1500 min⁻¹
Maximum torque ISO 9249 NET _____ 989 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow _____ 2 X 243 l/min at 1800 min⁻¹
Working circuit pressure _____
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) _____ 37.3 MPa
Swing circuit _____ 30.4 MPa
Travel circuit _____ 34.3 MPa

SWING

Maximum swing speed _____ 11 min⁻¹
Swing torque _____ 92,100 Nm

FILTERS

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

TRAVEL

Travel motor _____ Variable displacement axial piston motor
(Automatic travel speed shifting)
Max travel speed _____ 5.1 km/h
Low travel speed _____ 3.1 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 267 kN

ELECTRICAL SYSTEM

Circuit _____ 24 V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Battery _____ 2 × 12 V 128 Ah/5 HR

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 7
Number of shoes (each side) _____ 45
Type of shoe _____ Triple grouser shoe

CAPACITIES

Fuel tank _____ 450 lt
Hydraulic system _____ 300 l
Cooling system _____ 32,7 l
Engine crank Case _____ 41 l

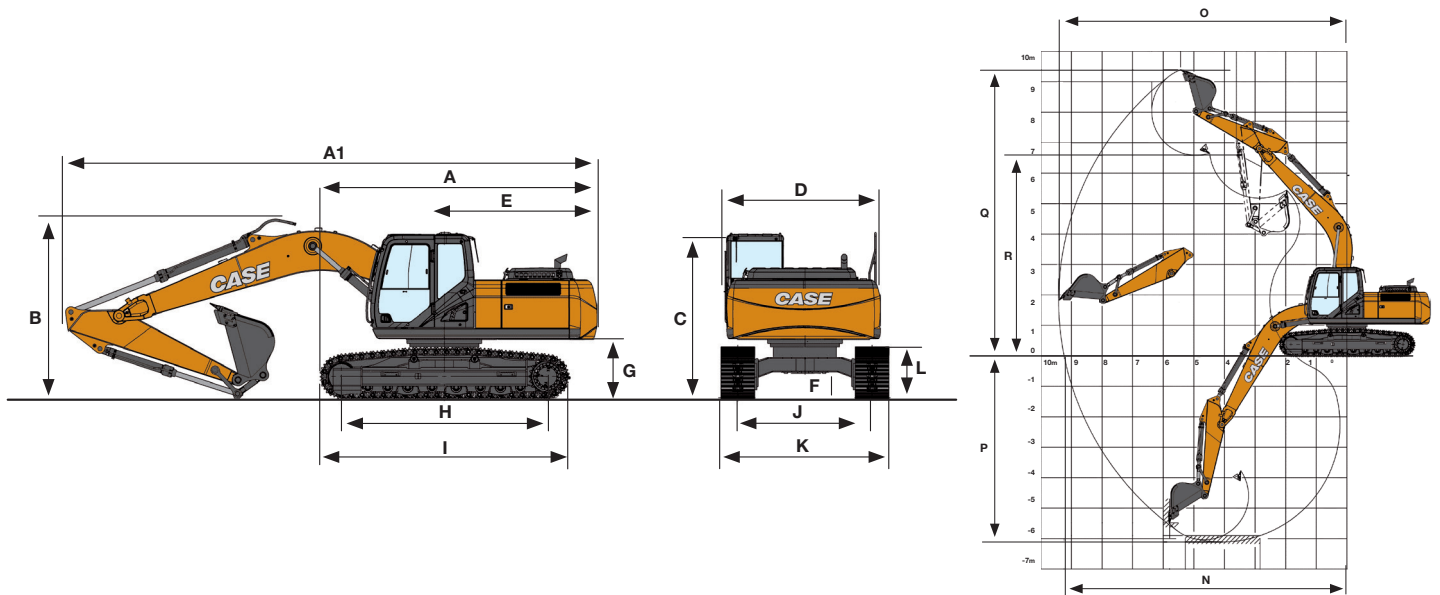
WEIGHT

With 3.1 m Arm, 1.4 m³ Bucket, 600mm grouser shoe, operator, lubricant, coolant and full fuel tank

Weight	30.900 kg
Ground Pressure	0.063 Mpa

CRAWLER EXCAVATORS

GENERAL DIMENSIONS



		Arm 2.6 m	Arm 3.1 m
CX300C			
A	Overall length (without attachment)	5480	5480
A1	Overall length (with attachment)	10540	10520
B	Overall height (with attachment)	3530	3490
C	Cab height	3140	3140
D	Upper structure overall width	2930	2930
E	Swing (rear end radius)	3160	3160
F	Clearance height under upper structure mm	1230	1230
G	Minimum ground clearance	480	480
H	Wheel base (Center to center of wheels)	3720	3720
I	Crawler overall length	4650	4650
L	Crawler tracks height	1090	1090
J	Track gauge	2600	2600
K	Undercarriage overall width (with 600 mm shoes)	3200	3200

PERFORMANCE DATA

		Arm 2.6 m	Arm 3.1 m
Boom length	mm	6150	6150
Bucket radius	mm	1610	1610
Bucket wrist action	°	160	160
N	Maximum reach at GRP	10030	10480
O	Maximum reach	10220	10670
P	Max. digging depth	6520	7020
Q	Max. digging height	9920	10100
R	Max. dumping height	6920	7110
	Arm digging force with auto power up	164	142
	Bucket digging force with auto power up	197	197

C- SERIES

CX350C

ENGINE

Model _____ ISUZU GH-6HK1X
Type _____ Water-cooled, 4-cycle
diesel, 6-cylinder in line, electronically controlled, high pressure common rail
system, variable geometry turbocharger, air cooled intercooler
Emission certified _____ Tier III
Displacement _____ 7.79 l
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 14396 GROSS _____ 212 kW (284hp) at 2000 min⁻¹
Horsepower ISO 9249 NET _____ 200 kW (268hp) at 2000 min⁻¹
Maximum torque ISO 14396 _____ 1020 Nm at 1500 min⁻¹
Maximum torque ISO 9249 NET _____ 983 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow _____ 2 X 300 l/min at 2000 min⁻¹
Working circuit pressure
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) _____ 37.3 MPa
Swing circuit _____ 30.4 MPa
Travel circuit _____ 34.3 Mpa

SWING

Maximum swing speed _____ 10 min⁻¹
Swing torque _____ 112,000 Nm

FILTERS

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

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

Circuit _____ 24 V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Battery _____ 2 × 12 V 128 Ah/5 HR

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 7
Number of shoes (each side) _____ 45
Type of shoe _____ Triple grouser shoe

CAPACITIES

Fuel tank _____ 580 lt
Hydraulic system _____ 350 l
Cooling system _____ 32,1 l
Engine crank Case _____ 41 l

WEIGHT

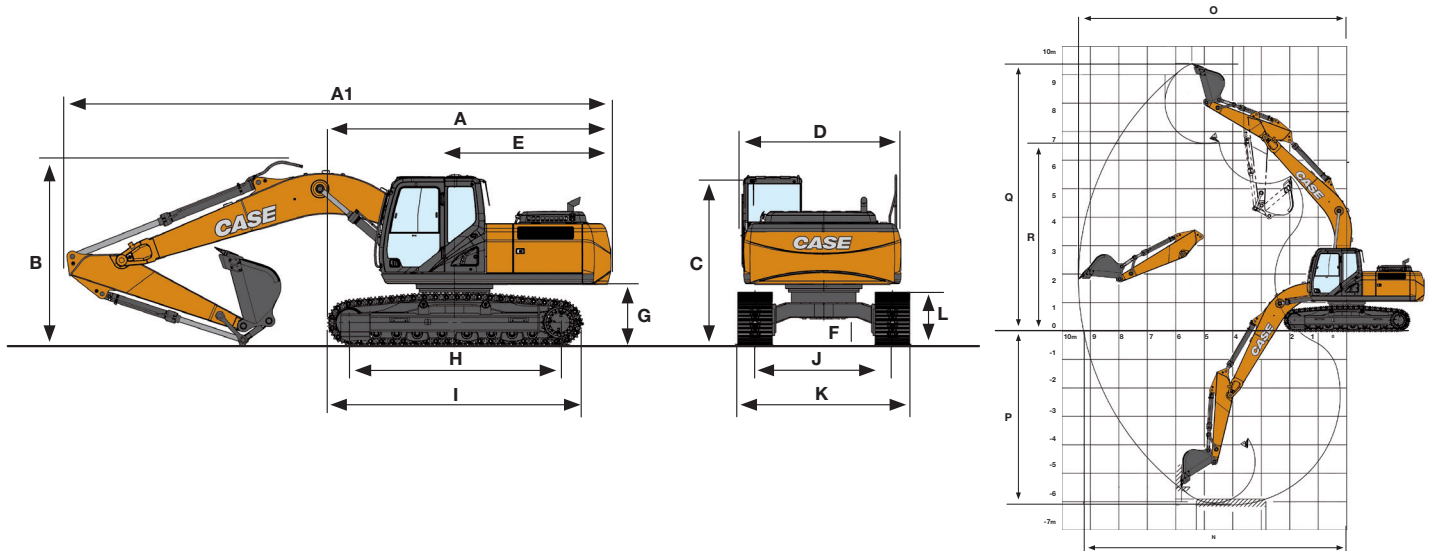
With 2.6 m Arm , 1.8 m³ Sumitomo Bucket , 600 mm
grouser shoe, operator, lubricant, coolant, full fuel tank

CX350C

Weight (LC)	36.200 kg
Ground Pressure (LC)	0.073 Mpa

CRAWLER EXCAVATORS

GENERAL DIMENSIONS



			CX350C	Arm 2.6 m	Arm 3.2 m
A	Overall length (without attachment)	mm		5850	5850
A1	Overall length (with attachment)	mm		11230	11140
B	Overall height (with attachment)	mm		3640	3420
C	Cab height	mm		3140	3140
D	Upper structure overall width	mm		3030	3030
E	Swing (rear end radius)	mm		3550	3550
F	Clearance height under upper structure mm	mm		1200	1200
G	Minimum ground clearance	mm		470	470
H	Wheel base (Center to center of wheels)	mm		3720	3720
I	Crawler overall length	mm		4650	4650
L	Crawler tracks height	mm		1090	1090
J	Track gauge	mm		2600	2600
K	Undercarriage overall width (with 600 mm shoes)	mm		3200	3200

PERFORMANCE DATA

			CX350C	Arm 2.6 m	Arm 3.2 m
	Boom length	mm		6450	6450
	Bucket radius	mm		1680	1680
	Bucket wrist action	°		173	173
N	Maximum reach at GRP	mm		10470	10980
O	Maximum reach	mm		10670	11170
P	Max. digging depth	mm		6730	7340
Q	Max. digging height	mm		10320	10370
R	Max. dumping height	mm		7140	7230
	Arm digging force with auto power up	kN		213	179
	Bucket digging force with auto power up	kN		252	252

C- SERIES

CX380C

ENGINE

Model _____ ISUZU GH-6HK1X
Type _____ Water-cooled, 4-cycle
diesel, 6-cylinder in line, electronically controlled, high pressure common rail
system, variable geometry turbocharger, air cooled intercooler
Emission certified _____ Tier III
Displacement _____ 7.79 l
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 14396 GROSS _____ 212 kW (284hp) at 2000 min⁻¹
Horsepower ISO 9249 NET _____ 200 kW (268hp) at 2000 min⁻¹
Maximum torque ISO 14396 _____ 1020 Nm at 1500 min⁻¹
Maximum torque ISO 9249 NET _____ 983 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow _____ 2 X 300 l/min at 2000 min⁻¹
Working circuit pressure
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) _____ 37.3 MPa
Swing circuit _____ 30.4 MPa
Travel circuit _____ 34.3 Mpa

SWING

Maximum swing speed _____ 10 min⁻¹
Swing torque _____ 112,000 Nm

FILTERS

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

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

Circuit _____ 24 V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Battery _____ 2 × 12 V 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 lt
Hydraulic system _____ 350 l
Cooling system _____ 32,9 l
Engine crank Case _____ 41 l

WEIGHT

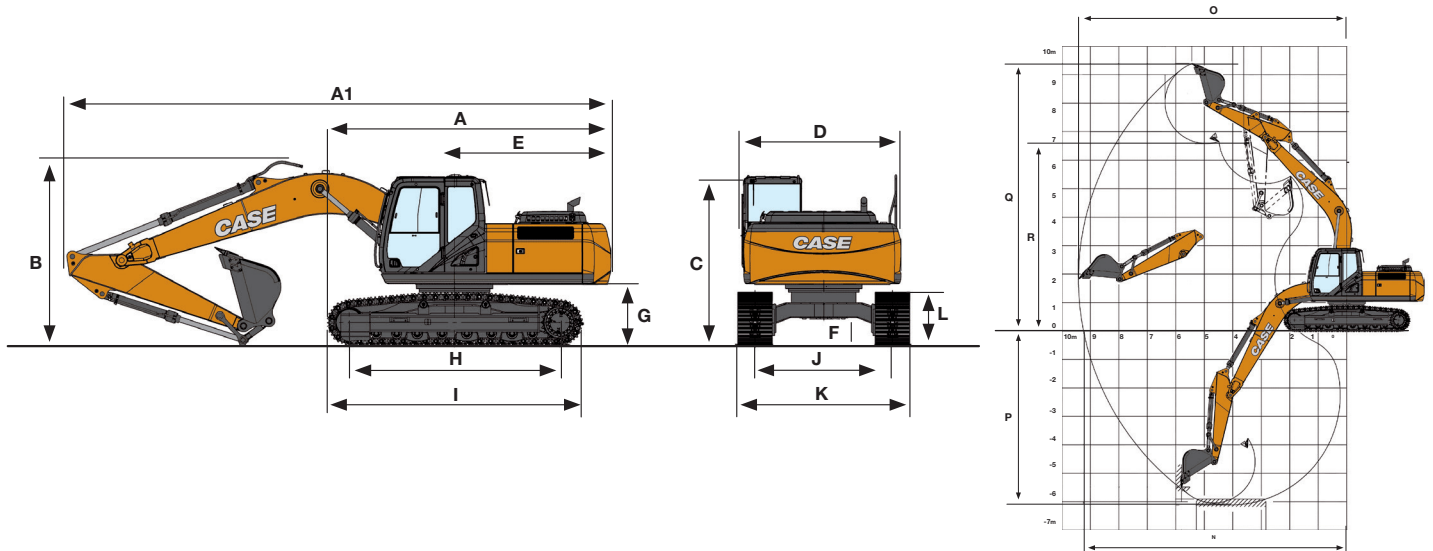
With 2.6 m Arm , 2.0 m³ Sumitomo Bucket , 600 mm
grouser shoe, operator, lubricant, coolant, full fuel tank

CX350C

Weight (LC)	37.100 kg
Ground Pressure (LC)	0.069 Mpa

CRAWLER EXCAVATORS

GENERAL DIMENSIONS



			CX380C	Arm 2.6 m	Arm 3.2 m
A	Overall length (without attachment)	mm		6010	6010
A1	Overall length (with attachment)	mm		11230	11140
B	Overall height (with attachment)	mm		3640	3420
C	Cab height	mm		3140	3140
D	Upper structure overall width	mm		3080	3080
E	Swing (rear end radius)	mm		3550	3550
F	Clearance height under upper structure mm	mm		1200	1200
G	Minimum ground clearance	mm		470	470
H	Wheel base (Center to center of wheels)	mm		4040	4040
I	Crawler overall length	mm		4980	4980
L	Crawler tracks height	mm		1090	1090
J	Track gauge	mm		2600	2600
K	Undercarriage overall width (with 600 mm shoes)	mm		3200	3200

PERFORMANCE DATA

			CX380C	Arm 2.6 m	Arm 3.2 m
	Boom length	mm		6450	6450
	Bucket radius	mm		1680	1680
	Bucket wrist action	°		173	173
N	Maximum reach at GRP	mm		10470	10980
O	Maximum reach	mm		10670	11170
P	Max. digging depth	mm		6730	7340
Q	Max. digging height	mm		10320	10370
R	Max. dumping height	mm		7140	7230
	Arm digging force with auto power up	kN		213	179
	Bucket digging force with auto power up	kN		252	252





CASE

CASE

CX300C

LIFTING CAPACITY

CX300C / CX350C

		REACH									
Front		0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	At max reach	
360°											m

CX300C, Arm 3.1 m, Shoe 600mm, bucket 1.4 m³, max reach 10.70m

7.5 m																		3260*	3260*	8,75	
6.0 m																			3170*	3170*	9,56
4.5 m																			3210*	2840	10,05
3.0 m																			3340*	2640	10,27
1.5m																			3570*	2590	10,24
0 m																			3960*	2670	9,98
- 1.5 m																			4400	2920	9,48
- 3.0 m																			5090	3410	8,7
- 4.5 m																			6410*	4360	7,57
- 6.0 m																			5770*	5770*	5,93

		REACH									
Front		0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	At max reach	
360°											m

CX350C, Arm 2.6 m, Shoe 600mm, bucket 1.8 m³, max reach 10.70m

9.0 m																			5100*	5100*	7,53
7.5 m																			4710*	4710*	8,77
6.0 m																			4550*	3870	9,57
4.5 m																			4570*	3380	10,04
3.0 m																			4690	3140	10,24
1.5m																			4640	3090	10,19
0 m																			4830	3220	9,91
- 1.5 m																			5330	3570	9,37
- 3.0 m																			6300	4280	8,54
- 4.5 m																			6520*	5700	7,33

		REACH										
Front		0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	At max reach	
360°												m

CX350C, Arm 3.2 m, Shoe 600mm, bucket 1.6 m³, max reach 11.20m

7.5 m																			3140*	3140*	9,37
6.0 m																			3060*	3060*	10,11
4.5 m																			3100*	3090	10,55
3.0 m																			3230*	2870	10,74
1.5m																			3460*	2810	10,7
0 m																			3860*	2910	10,43
- 1.5 m																			4480*	3190	9,92
- 3.0 m																			5540*	3740	9,14
- 4.5 m																			6630*	4800	8,01
- 6.0 m																			6320*	6320*	6,4

LIFTING CAPACITY

CX380C

		REACH									
Front		0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	At max reach	
360°											m

CX380C, Arm 2.6 m, Shoe 600mm, bucket 2.0 m³, max reach 10.7m

9.0 m																		5060*	5060*	7,53		
7.5 m																				4660*	4660*	8,77
6.0 m																						
4.5 m																						
3.0 m																						
1.5 m																						
0 m																						
- 1.5 m																						
- 3.0 m																						
- 4.5 m																						

		REACH										
Front		0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	At max reach	
360°												m

CX380C, Arm 3.2 m, Shoe 600mm, bucket 1.8 m³, max reach 11.20m

7.5 m																						
6.0 m																						
4.5 m																						
3.0 m																						
1.5m																						
0 m																						
- 1.5 m																						
- 3.0 m																						
- 4.5 m																						
- 6.0 m																						



STANDARD EQUIPMENT

Upper window steel
Back mirror (cab)
Arm rest
Windscreen washer and wiper
Long lever
Pre-disposal for the optional cab protection
Exclusive key for case

ELECTRICAL EQUIPMENT

High band am/fm radio (with usb port)
12v dc converter
Anti-theft device (password system)
Auto air conditioner
Cool box (refrigerated compartment integrated in cab)
Integrated diagnostic system
7" full-colour monitor display (with high-luminance led, backlight)

HYDRAULIC SYSTEM & CONTROL

Auto/heavy/super power working modes
Pump torque variable control
Automatic power boost control
High performance "super fine" synthetic fiber hydraulic
Filter (high contamination catch)

ENGINE

Common rail engine certified china nrmm stage III
Automatic engine pre-heating (cold start device for max. -20c°)
Automatic/manual engine return to idle
Exhaust gas recirculator (egr)
Emergency stop (engine emergency shut down switch on left console)
Fuel filter w/ water separator (hd type adapted for low fuel quality)
Air cleaner, double element

UNDERCARRIAGE

Sealed and lubricated tracks
Lower under cover

UPPERCARRIAGE & EQUIPMENT

EMS (extended maintenance system) pins and bushings as standard
Full under cover
Back mirror(front right side)
Front storage box
Low friction resin side shims on boom and dipper

AMBIENT TEMPERATURE

From -20C° to +45°C

HYDRAULIC OIL

ISO-VG46, from -20C° to +100°C





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

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.

