

**C-SERIES HYDRAULIC EXCAVATORS**  
**CX370C / CX380C**

**CASE**  
CONSTRUCTION



**QUALITY**  
**YOU CAN TRUST**

[www.casece.com](http://www.casece.com)  
**EXPERTS FOR THE REAL WORLD**  
**SINCE 1842**

# MAIN REASONS



## HIGH PRECISION AND CONTROLLABILITY

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



## 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 and heavy duty arm/boom.



## 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 LED cluster.



# TO CHOOSE THE C-SERIES



## 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 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



## 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.



## 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)**: automatic pressure and flow adjustment 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 C series models are 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 saving level utilized.



# CRAWLER EXCAVATORS



## HIGH RELIABILITY

HD Boom and arm structure has been designed to reinforce the thickness rate of the most stressed areas, to increase productivity, the cycle times and durability of components.

- New high strength casting parts joined with thicker flanges reduce stress on components.
- Longer greasing intervals to reduce downtime (1.000 hrs).
- The 'sloped' lower frame design reduces the time needed to clean the undercarriage.

Accurate, simple and robust design for high durability.

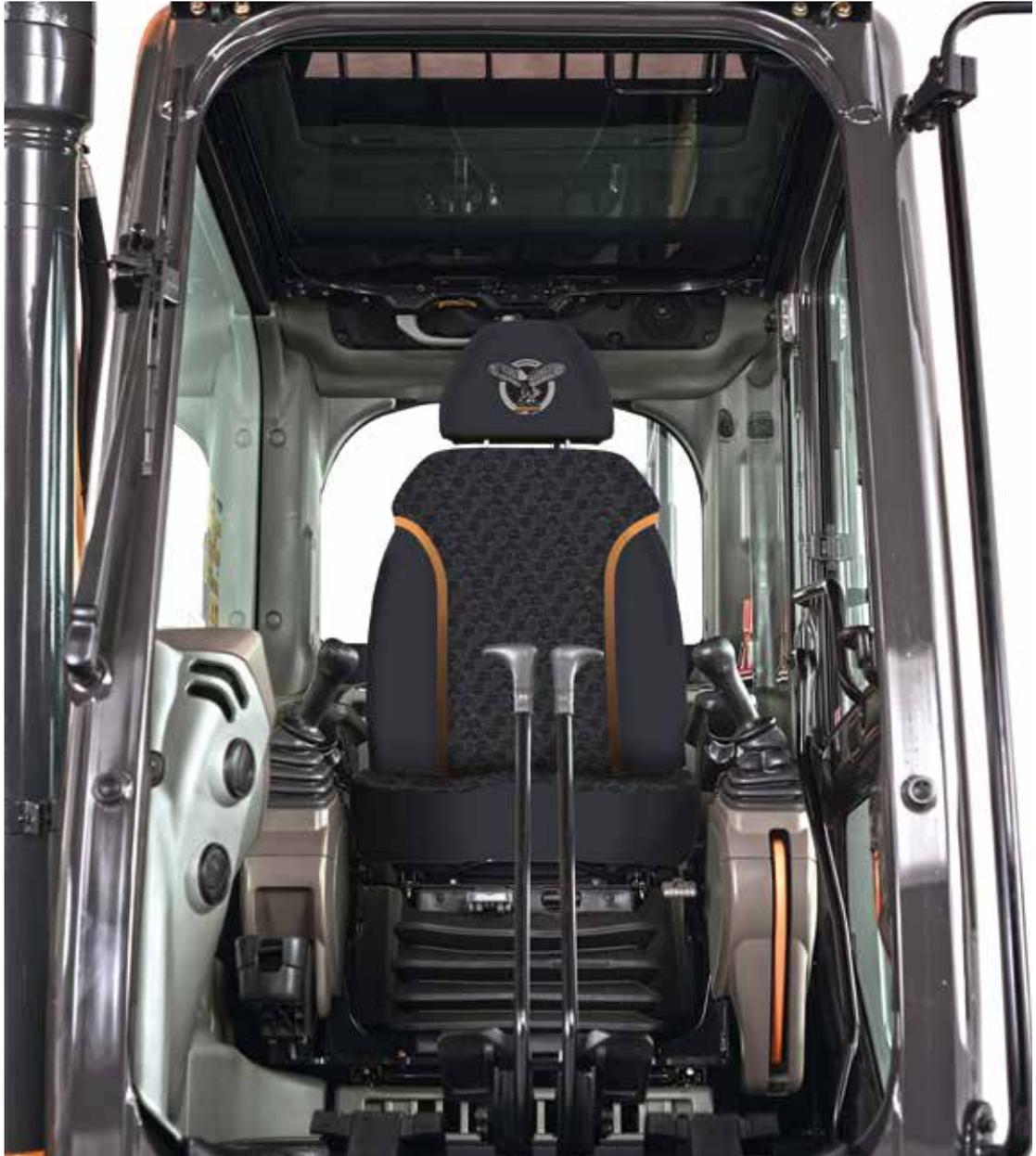
- The C-Series delivers leading design solutions and manufacturing quality.
- Boom and arm feature forged brackets and reduced tolerances for **increased component life minimizing downtime.**
- The anti-friction resin shims in the boom foot and head reduce noise and free play, **increasing durability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

# 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.
- 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.

# CRAWLER EXCAVATORS



## 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 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 and pressure settings to easily switch among different attachments with no need of any mechanical adjustment.



## 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

## CX370C

### 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 \_\_\_\_\_ EGR Less  
Displacement \_\_\_\_\_ 7.79 l  
Bore/Stroke \_\_\_\_\_ 115 x 125 mm  
Rated flywheel horse power  
Horsepower ISO 14396 GROSS \_\_\_\_\_ 212 kW (284 hp) at 2000 min<sup>-1</sup>  
Horsepower SAE J1349 NET \_\_\_\_\_ 200 kW (268 hp) at 2000 min<sup>-1</sup>  
Maximum torque ISO 9249 \_\_\_\_\_ 983 Nm at 1500 min<sup>-1</sup> (rpm)  
Maximum torque ISO 14396 \_\_\_\_\_ 1020 Nm at 1500 min<sup>-1</sup> (rpm)

### HYDRAULIC SYSTEM

Type \_\_\_\_ 2 variable displacement axial piston pumps with regulating system  
Max oil flow \_\_\_\_\_ 2 × 300 liter/min at 2000 min<sup>-1</sup>  
Working circuit pressure  
Boom/Arm/Bucket circuit \_\_\_\_\_ 34.3 MPa  
Boom/Arm/Bucket circuit (with auto power boost) \_\_\_\_\_ 37.3 MPa  
Swing circuit \_\_\_\_\_ 30.4 MPa  
Travel circuit \_\_\_\_\_ 34.3 MPa

### SWING

Maximum swing speed \_\_\_\_\_ 10 min<sup>-1</sup>  
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 \_\_\_\_\_ 24V  
Alternator \_\_\_\_\_ 50 Amp  
Starter motor \_\_\_\_\_ 5.0 kW  
Battery \_\_\_\_\_ 2 × 12 V 136 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 (l) \_\_\_\_\_ 580  
Hydraulic system (l) \_\_\_\_\_ 350  
Cooling system (l) \_\_\_\_\_ 32,1  
Engine crank case (l) \_\_\_\_\_ 41  
Hydraulic tank (l) \_\_\_\_\_ 175

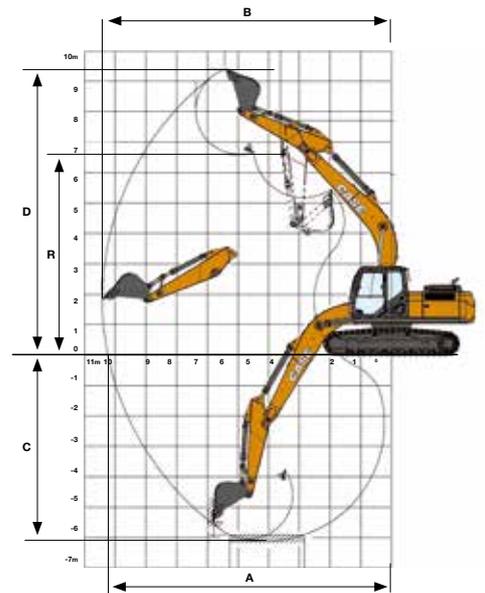
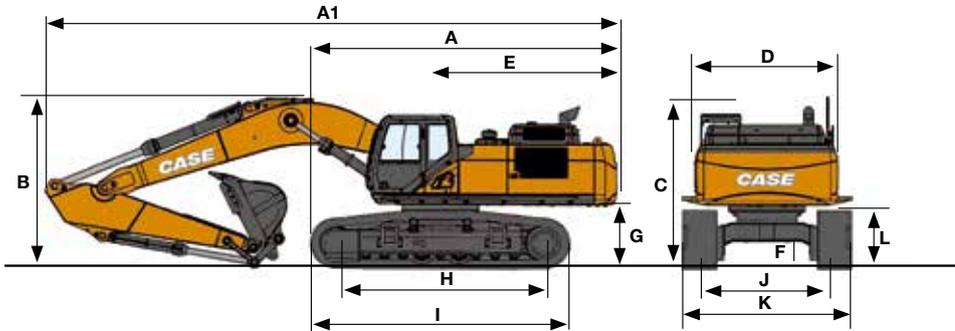
### WEIGHT

3.25 m HD arm, 1.6 m<sup>3</sup> bucket, 600mm grouser shoe, operator, lubricant, coolant, full fuel tank

CX370C	OPERATING MASS	GROUND PRESSURE
600 mm grouser shoe	36,200 kg	0.068 Mpa

# CRAWLER EXCAVATORS

## GENERAL DIMENSIONS



### CX370C - arm length

2.21 m

2.63 m

3.25 m

			2.21 m	2.63 m	3.25 m
A	Overall length (without attachment)	mm	5850	5850	5850
A1	Overall length (with attachment)	mm	11350	11230	11140
B	Overall height (with attachment)	mm	3650	3640	3420
C	Cab height	mm	3140	3140	3140
D	Upper structure overall width	mm	3120	3120	3120
E	Swing (rear end) radius	mm	3550	3550	3550
F	Clearance height under upper structure	mm	1200	1200	1200
G	Minimum ground clearance	mm	470	470	470
H	Wheel base (Center to center of wheels)	mm	3720	3720	3720
I	Crawler overall length	mm	4650	4650	4650
L	Crawler tracks height	mm	1090	1090	1090
J	Track gauge	mm	2600	2600	2600
K	Undercarriage overall width (with 600 mm shoes)	mm	3200	3200	3200

## PERFORMANCE DATA

		2.21 m HD Arm	2.63 m HD Arm	3.25 m HD Arm	
	Boom length	mm	6450	6450	6450
	Bucket radius	mm	1680	1680	1680
	Bucket wrist action	°	173	173	173
A	Maximum reach at GRP	mm	9990	10470	10980
B	Maximum reach	mm	10200	10670	11170
C	Max. digging depth	mm	6300	6730	7340
D	Max. digging height	mm	9850	10320	10370
E	Max. dumping height	mm	6770	7140	7230
	Arm digging force with auto power boost	kN	248	213	179
	Bucket digging force with auto power boost	kN	252	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 \_\_\_\_\_ EGR Less  
Displacement \_\_\_\_\_ 7.79 l  
Bore/Stroke \_\_\_\_\_ 115 x 125 mm  
Rated flywheel horse power  
Horsepower ISO 14396 GROSS \_\_\_\_\_ 212 kW (284 hp) at 2000 min<sup>-1</sup>  
Horsepower SAE J1349 NET \_\_\_\_\_ 200 kW (268 hp) at 2000 min<sup>-1</sup>  
Maximum torque ISO 9249 \_\_\_\_\_ 983 Nm at 1500 min<sup>-1</sup> (rpm)  
Maximum torque ISO 14396 \_\_\_\_\_ 1020 Nm at 1500 min<sup>-1</sup> (rpm)

### HYDRAULIC SYSTEM

Type \_\_\_\_ 2 variable displacement axial piston pumps with regulating system  
Max oil flow \_\_\_\_\_ 2 × 300 liter/min at 2000 min<sup>-1</sup>  
Working circuit pressure  
Boom/Arm/Bucket circuit \_\_\_\_\_ 34.3 MPa  
Boom/Arm/Bucket circuit (with auto power boost) \_\_\_\_\_ 37.3 MPa  
Swing circuit \_\_\_\_\_ 30.4 MPa  
Travel circuit \_\_\_\_\_ 34.3 MPa

### SWING

Maximum swing speed \_\_\_\_\_ 10 min<sup>-1</sup>  
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 \_\_\_\_\_ 24V  
Alternator \_\_\_\_\_ 50 Amp  
Starter motor \_\_\_\_\_ 5.0 kW  
Battery \_\_\_\_\_ 2 × 12 V 136 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 (l) \_\_\_\_\_ 580  
Hydraulic system (l) \_\_\_\_\_ 350  
Cooling system (l) \_\_\_\_\_ 32,1  
Engine crank case (l) \_\_\_\_\_ 41  
Hydraulic tank (l) \_\_\_\_\_ 175

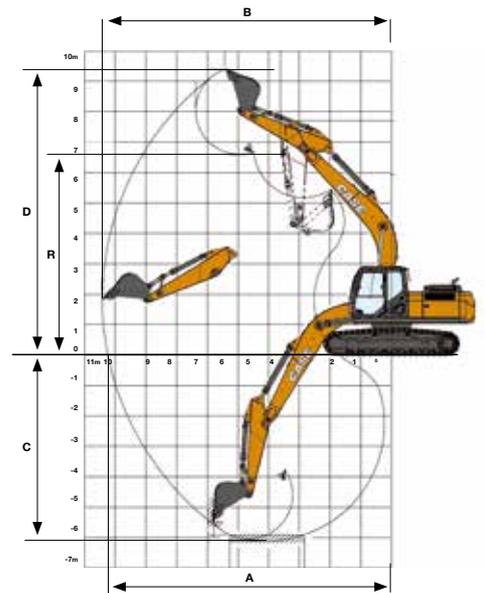
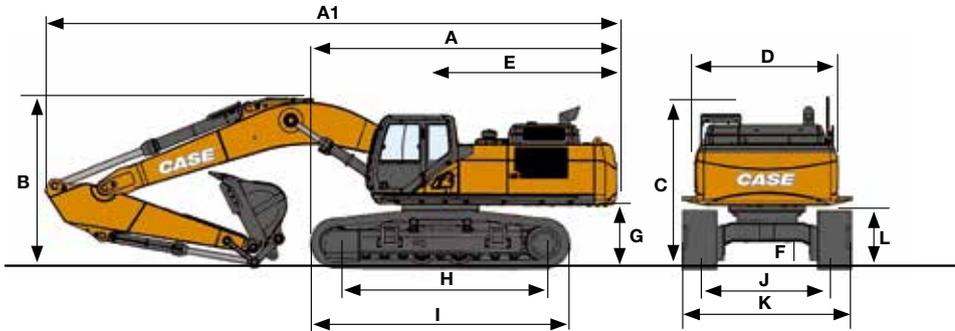
### WEIGHT

3.25 m HD arm, 1.6 m<sup>3</sup> bucket, 600mm grouser shoe, operator, lubricant, coolant, full fuel tank

CX370C	OPERATING MASS	GROUND PRESSURE
600 mm grouser shoe	36,700 kg	0.069 Mpa

# CRAWLER EXCAVATORS

## GENERAL DIMENSIONS



### CX380C - arm length

2.21 m

2.63 m

3.25 m

			2.21 m	2.63 m	3.25 m
A	Overall length (without attachment)	mm	6010	6010	6010
A1	Overall length (with attachment)	mm	11350	11230	11140
B	Overall height (with attachment)	mm	3650	3640	3420
C	Cab height	mm	3140	3140	3140
D	Upper structure overall width	mm	3120	3120	3120
E	Swing (rear end) radius	mm	3550	3550	3550
F	Clearance height under upper structure	mm	1200	1200	1200
G	Minimum ground clearance	mm	470	470	470
H	Wheel base (Center to center of wheels)	mm	4040	4040	4040
I	Crawler overall length	mm	4980	4980	4980
L	Crawler tracks height	mm	1090	1090	1090
J	Track gauge	mm	2600	2600	2600
K	Undercarriage overall width (with 600 mm shoes)	mm	3200	3200	3200

## PERFORMANCE DATA

		2.21 m HD Arm	2.63 m HD Arm	3.25 m HD Arm	
	Boom length	mm	6450	6450	6450
	Bucket radius	mm	1680	1680	1680
	Bucket wrist action	°	173	173	173
A	Maximum reach at GRP	mm	9990	10470	10980
B	Maximum reach	mm	10200	10670	11170
C	Max. digging depth	mm	6300	6730	7340
D	Max. digging height	mm	9850	10320	10370
E	Max. dumping height	mm	6770	7140	7230
	Arm digging force with auto power boost	kN	248	213	179
	Bucket digging force with auto power boost	kN	252	252	252

# LIFTING CAPACITIES

## CX370C

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	

CX370 C, Arm Size: 2.63m, Bucket: 1.60m<sup>3</sup>(1570 kg),Shoes: 800 mm

9.0 m									5440*	5440*			5240*	5240*	7.53
7.5 m									7110*	6900			4840*	4840*	8.77
6.0 m									7590*	6770	6690	4720	4680*	4090	9.57
4.5 m					12370*	12370*	9910*	9430	8240*	6450	6530	4570	4700*	3600	10.04
3.0 m					15000*	14000	11540*	8860	8690	6090	6320	4380	4820*	3360	10.24
1.5 m					17350*	12830	12050	8260	8340	5770	6130	4190	4910	3310	10.19
0 m					18180*	12330	11610	7870	8080	5520	5990	4060	5110	3440	9.91
-1.5 m	8910*	8910*	14030*	14030*	17850*	12420	11480	7760	7980	5430	5990	4060	5610	3800	9.37
-3.0 m	15700*	15700*	20360*	20360*	16470*	12630	11570	7890	8110	5570			6600	4510	8.54
-4.5 m			18630*	18630*	13770*	12800*	10220*	8200					6690*	5950	7.33

## CX380C

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	

CX380 C, Arm Size: 2.63m, Bucket: 1.60m<sup>3</sup>(1570 kg),Shoes: 800 mm

9.0 m									5440*	5440*			5240*	5240*	7.53
7.5 m									7110*	6970			4840*	4840*	8.77
6.0 m									7590*	6880	6760*	4800	4680*	4170	9.57
4.5 m					12370*	12370*	9910*	9530	8240*	6560	7250*	4650	4700*	3670	10.04
3.0 m					15000*	14210	11540*	8990	9110*	6190	7220	4460	4820*	3430	10.24
1.5 m					17350*	13040	12740*	8400	9530	5870	7020	4280	5100*	3380	10.19
0 m					18180*	12530	13180*	8010	9280	5630	6880	4150	5580*	3510	9.91
-1.5 m	8910*	8910*	14030*	14030*	17850*	12630	13040*	7900	9180	5540	6880	4150	6380*	3880	9.37
-3.0 m	15700*	15700*	20360*	20360*	16470*	12840	12260*	8030	9180	5670			7000*	4600	8.54
-4.5 m			18630*	18630*	13770*	12970	10220*	8330					6690*	6060	7.33

Front 360°	REACH							m
	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	

CX380C , Arm Size: 3.25 m, Bucket: 1.40m<sup>3</sup> (1500 kg),Shoes: 800 mm

9.0 m														3510*	3510*	8.23			
7.5 m									6290*	6290*	4870*	4870*			3270*	3270*	9.37		
6.0 m									6920*	6860	6200*	4950			3190*	3190*	10.11		
4.5 m					6830*	6830*	9140*	9140*	7670*	6730	6780*	4770	3580*	3410	3230*	3230*	10.55		
3.0 m					17590*	17590*	15170*	14430	10880*	9240	8680*	6330	7260	4550	4990*	3320	3360*	3140	10.74
1.5 m					7150*	7150*	17320*	13420	12300*	8580	9510*	5970	7080	4330	5140*	3210	3590*	3080	10.7
0 m					10190*	10190*	18150*	12640	13050*	8090	9330	5670	6900	4160			3990*	3180	10.43
-1.5 m	10180*	10180*	13950*	13950*	18110*	12500	13080*	7860	9150	5500	6810	4080				4610*	3470	9.92	
-3.0 m	14190*	14190*	18790*	18790*	17200*	12650	12640*	7920	9180	5560	6890	4180				5660*	4040	9.14	
-4.5 m	18810*	18810*	21280*	21280*	15120*	13000	11210*	8180	8190*	5880						6780*	5130	8.01	
-6.0 m			15240*	15240*	11140*	11140*	7730*	7730*								6470*	6470*	6.4	

TIPPING CAPACITY (MARK: ) = 75.0 (%)  
HYDRAULIC CAPACITY (MARK:\*) = 87.0 (%)

# STANDARD AND OPTIONAL

## STANDARD EQUIPMENT

### ENGINE

Std configuration for temperatures -25° +50° C  
Turbocharger with air cooled intercooler  
Double element air cleaner  
Pre fuel filter  
Fuel filter w/ water separator  
Automatic/manual engine return to idle  
Neutral safety start  
Emergency stop  
Warm up mode  
Dial type throttle control  
Glow-plug pre-heat  
Tropical package

### HYDRAULIC SYSTEM

2 variable flow piston pumps  
Auto/heavy/super power working modes  
Auto power boost  
Swing priority (swing+arm)  
Travel speed change  
Selectable working modes  
Pre-set auxiliary pump settings  
Iso pattern controls  
Arm and boom regeneration  
Straight travel valve  
100% return oil filtration

### CAB AND OPERATOR COMPARTMENT

Pre-disposal for the optional cab protection  
Pressurized cab ac/heat/defrost w/ auto climate control  
Tilting consoles - 4-position  
Low-effort controls (short) length to be removed  
Sliding cockpit  
Mechanical suspended seat  
Arm rest  
Color lcd monitor display  
Auxiliary select system  
Aux-in port for personal electronics  
Rubber floor mat  
One-piece right hand window  
Windshield wiper / washer  
Storage compartments  
On-board diagnostic system  
Standard handrails  
Sliding front window - storable  
Anti-theft device  
Cool box  
Cab top lights  
High band am/fm radio  
Rh front console w/ clock and cell phone holder  
Rear mirror (mounted on cab)  
Rear mirror (mounted on tool box)

### EQUIPMENT AND UNDERCARRIAGE

6,45 meter hd boom  
Boom mounted work light (70 watt)  
Bucket linkage  
Centralized lube bank  
Attachment cushion valve  
Tool box  
Ems (extended maintenance system) pins and bushings as standard  
Sealed and lubricated tracks  
Lower under cover

## OPTIONAL EQUIPMENT

### CAB AND OPERATOR COMPARTMENT

Rops/fops protection  
Iron roof window  
Sun visor & rain deflector  
Sun shade  
Case telematics

### EQUIPMENT AND UNDERCARRIAGE

Arm 2.20m hd  
Arm 2.60m hd  
Arm 3.20m hd  
Hd bucket linkage w hook

Arm and boom hose burst check valves  
600mm triple grouser steel shoes  
800mm triple grouser steel shoes  
Double track guide  
Full 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  
Lower front screen (mesh type)  
Upper front screen (mesh type)

Front grill (bar, opg1)  
Front grill (bar, opg2)  
Air-pre cleaner - cup type  
Air-pre cleaner - cyclone type



## 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](http://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."

