



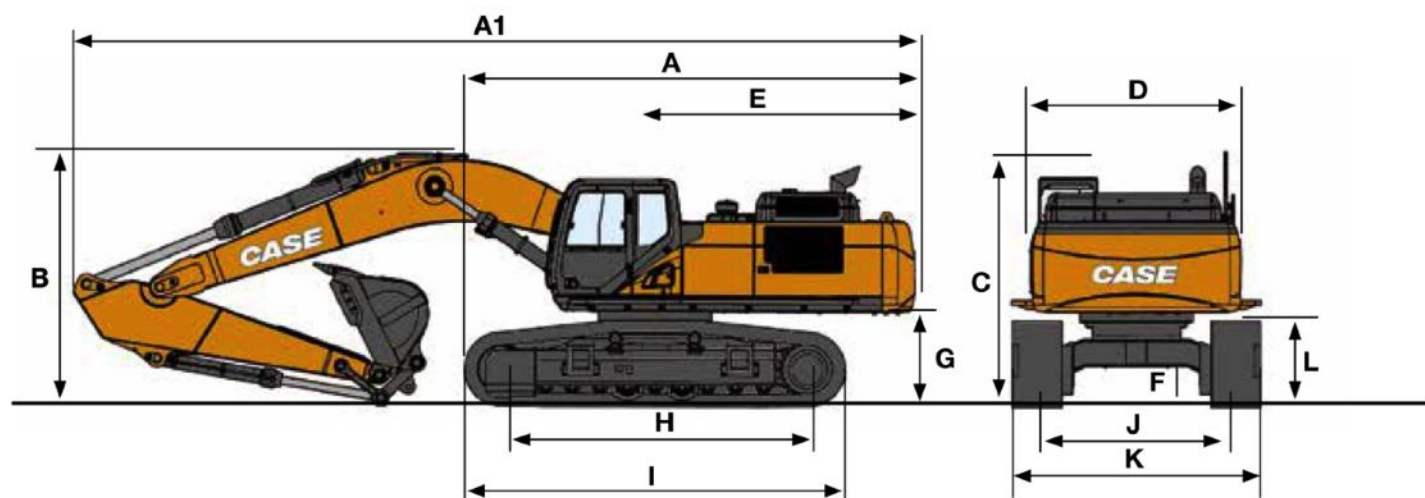
**IT'S TIME
FOR MORE**

C-SERIES HYDRAULIC EXCAVATORS
CX490C/CX500C

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EXPERTS FOR THE REAL WORLD
SINCE 1842

C-SERIES

CRAWLER EXCAVATORS

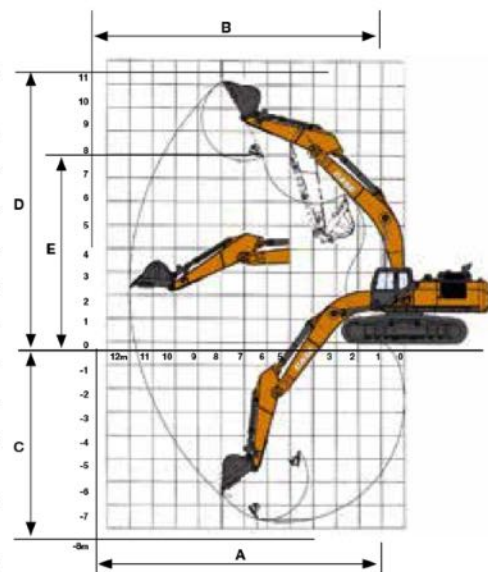


GENERAL DIMENSIONS

			CX490C		CX500C
			Arm 2.53 m	Arm 3.38 m	Arm 2.53 m HD
A	Overall length (without attachment)	mm	6445	6445	6445
A1	Overall length (with attachment)	mm	12110	12070	11680
B	Overall height (with attachment)	mm	3660	3660	3770
C	Cab height	mm	3280	3280	3280
D	Upper structure overall width	mm	3060	3060	3060
E	Swing (rear end radius)	mm	3730	3730	3730
F	Minimum ground clearance	mm	535	535	535
G	Clearance height under upper structure	mm	1330	1330	1330
H	Wheel base (Center to center of wheels)	mm	4400	4400	4400
I	Crawler overall length	mm	5450	5450	5450
L	Crawler tracks height	mm	1240	1240	1240
J	Track gauge	mm	2750	2750	2750
K	Undercarriage overall width (with 600 mm shoes)	mm	3350	3350	3350

PERFORMANCE DATA

			CX490C		CX500C
			Arm 2.53 m	Arm 3.38 m	Arm 2.53 m HD
Boom length	mm	6980	6980		6550
Bucket radius	mm	1860	1860		1950
Bucket wrist action	°	176	176		160
A	Maximum reach at GRP	mm	11010	11800	10670
B	Maximum reach	mm	11250	12020	10920
C	Max. digging depth	mm	6890	7750	6600
D	Max. digging height	mm	10820	11150	10560
E	Max. dumping height	mm	7400	7720	7080
	Arm digging force with auto power up	kN	281	229	274
	Bucket digging force with auto power up	kN	266	266	300



LIFTING CAPACITY

Front Side	REACH									
	0 m	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9 m	10.5 m	At max reach	m

CX490C, monoboom, 3.38 m std HD arm, bucket 2.2 m³ (2290 kg), 600 mm shoes, max reach 12 m

9.0 m									6930*	6930*			4370*	4370*	9,65
7,5 m									7560*	7280	4580*	4580*	4210*	4210*	10,55
6.0 m									9170*	9170*	8290*	7060	7400*	5070	11,15
4,5 m									12690*	12690*	10360*	9470	8900*	6750	11,5
3 m									19740*	19740*	14910*	12960	11590*	8910	11,63
1,5 m									22420*	18820	16510*	12020	12560*	8380	11,56
0 m									10550*	10550*	23420*	17900	17110*	11390	11,27
-1,5 m									12830*	12830*	14600*	14600*	23340*	18010	10,76
-3 m									15420*	15420*	19810*	19810*	21830*	18220	10
-4,5 m									20530*	20530*	26290*	26290*	19050*	18230*	8,93
-6 m									19180*	19180*	14460*	14460*	10780*	10780*	7,46

 Front  Side	REACH							
	0 m	3.0 m	4.5 m	6.0 m	7.5 m	9 m	10.5 m	At max reach
								
								

CX490C, monoboom, 2.53 m short HD arm, bucket 2.4 m³ (2380 kg), 600 mm shoes, max reach 11.2 m

9.0 m									5320*	5320*					6580*	6580*	8,67
7,5 m									9080*	9080*	8420*	7040			6320*	5920	9,69
6.0 m									10850*	10850*	10110*	9670	8880*	6870	6240*	5040	10,34
4,5 m									17780*	17780*	14060*	13350*	11210*	9210	9560*	6600	10,72
3 m									21340*	19520	16000*	12530	12290*	8710	10080*	6300	10,86
1,5 m									19810*	18000	17120*	11750	13000*	8260	10330	6040	10,78
0 m									21230*	17590	17200*	11310	13140*	7940	10140	5860	10,47
-1,5 m									15690*	15690*	22470*	17980	16760*	11290	12900*	7860	9,92
-3 m									22670*	22670*	20240*	18460	15440*	11480	11850*	8020	9,09
-4,5 m									21320*	21320*	16620*	16620*	12770*	11640	9200*	8220*	7,91
-6 m									10530*	10530*							5,96

 Front  Side	REACH						
	0 m	3.0 m	4.5 m	6.0 m	7.5 m	9 m	At max reach
							
							

CX500C, short monoboom, 2.53 m short HD arm, bucket 2.8 m³ (2850 kg), 600 mm shoes, max reach 10.9 m

9,0 m									7380*	7380*				5680*	5680*	8,09
7,5 m									9100*	9100*	7200*	6660	5350*	5350*		9,2
6,0 m							10170*	10170*	10050*	9520	8750*	6600	5210*	5210*		9,9
4,5 m					17330*	17330*	13730*	13270	11040*	9070	9400*	6360	5260*	4630		10,32
3 m					20840*	19990	15750*	12520	12090*	8550	9900*	6080	5480*	4350		10,48
1,5 m					23300*	18470	16920*	11710	12790*	8090	10120	5820	5880*	4320		10,41
0 m				12950*	12950*	23650*	17910	17000*	11230	12900*	7770	9950	5640	6540*	4540	10,1
-1,5 m				19150*	19150*	22470*	18240	16510*	11170	12530*	7670	9500*	5620	7620*	5090	9,53
-3 m				26810*	26810*	19940*	18350	14930*	11370	11120*	7860			7770*	6150	8,66
-4,5 m				20340*	20340*	15600*	15600*	11540*	11380					6880*	6880*	7,4

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

SPECIFICATIONS

CX490C / CX500C ME

ENGINE

Model _____ ISUZU GH-6UZ1X
 Type _____ Water-cooled, 4-cycle diesel, 6-cylinder in line,
 electronically controlled, high pressure common rail system, turbocharger
 with air cooled intercooler, without cooling fan.
 Emissions certified _____ Tier III
 Displacement _____ 9.84 l
 Bore & stroke _____ 120 x 145 mm
 ISO 14396 without Fan Pump _____ 270 kW /362 hp at 2000 min⁻¹
 ISO 14396 Gross Power with Fan Pump _____ 245 kW /329 hp at 2000 min⁻¹
 Maximum torque _____
 ISO 14396 Gross Power _____ 1363 Nm at 1500 min⁻¹

HYDRAULIC SYSTEM

Type _____ 2 variable displacement axial piston pumps
 with regulating system
 Max. oil flow _____ 2 x 400 liter/min at 2000 min⁻¹
Working circuit pressure
 Boom/Arm/Bucket _____ 31.4 MPa
 Boom/Arm/Bucket (with auto power boost) _____ 34.3 MPa
 Swing circuit _____ 29.4 MPa
 Travel circuit _____ 34.3 MPa

ELECTRICAL SYSTEM

Circuit _____ 24 V
 Alternator _____ 50 Amp
 Starter motor _____ 5.5 kW
 Battery _____ 2 x 12 V 128 Ah/5 HR

SWING

Maximum swing speed _____ 9 min⁻¹
 Swing torque _____ 150,000 Nm

OPERATING WEIGHT

CX490C

With 2.53 m HD arm, 2.4 m³ HD bucket, 600 mm grouser shoe, operator (75 kg), lubricant, coolant and full fuel tank **Arm 2.53 m**

Operating mass	48,700 kg
Ground pressure	0.083 MPa

CX500C (Mass excavation)

With 2.53 m arm, 2.8 m³ HD bucket, 600 mm grouser shoe, operator, lubricant, coolant and full fuel tank **Arm 2.53 m**

Operating mass	49,300 kg
Ground pressure	0.084 MPa

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 _____ 5.3 km/h
 Low travel speed _____ 3.2 km/h
 Gradeability _____ 70% (35°)
 Drawbar pull _____ 339 kN

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 _____ 650 l
 Hydraulic system _____ 460 l
 Cooling system _____ 47 l
 Engine crank case _____ 36 l
 Hydraulic tank _____ 230 l



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