

CASE
CONSTRUCTION

CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR | CX235C SR | CX235C SR LC

TIER
4i



CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR | CX235C SR | CX235C SR LC

Full specification excavators

Building on the proven success of the C-Series crawler excavator range, Case has developed the Short Radius CX145C SR and CX235C SR, taking performance and productivity to a new level. Featuring the Case Intelligent Hydraulic System, the CX145C SR and CX235C SR deliver maximum economy and productivity from a compact yet powerful design, reducing operating costs of customers and boosting productivity.

Operator control

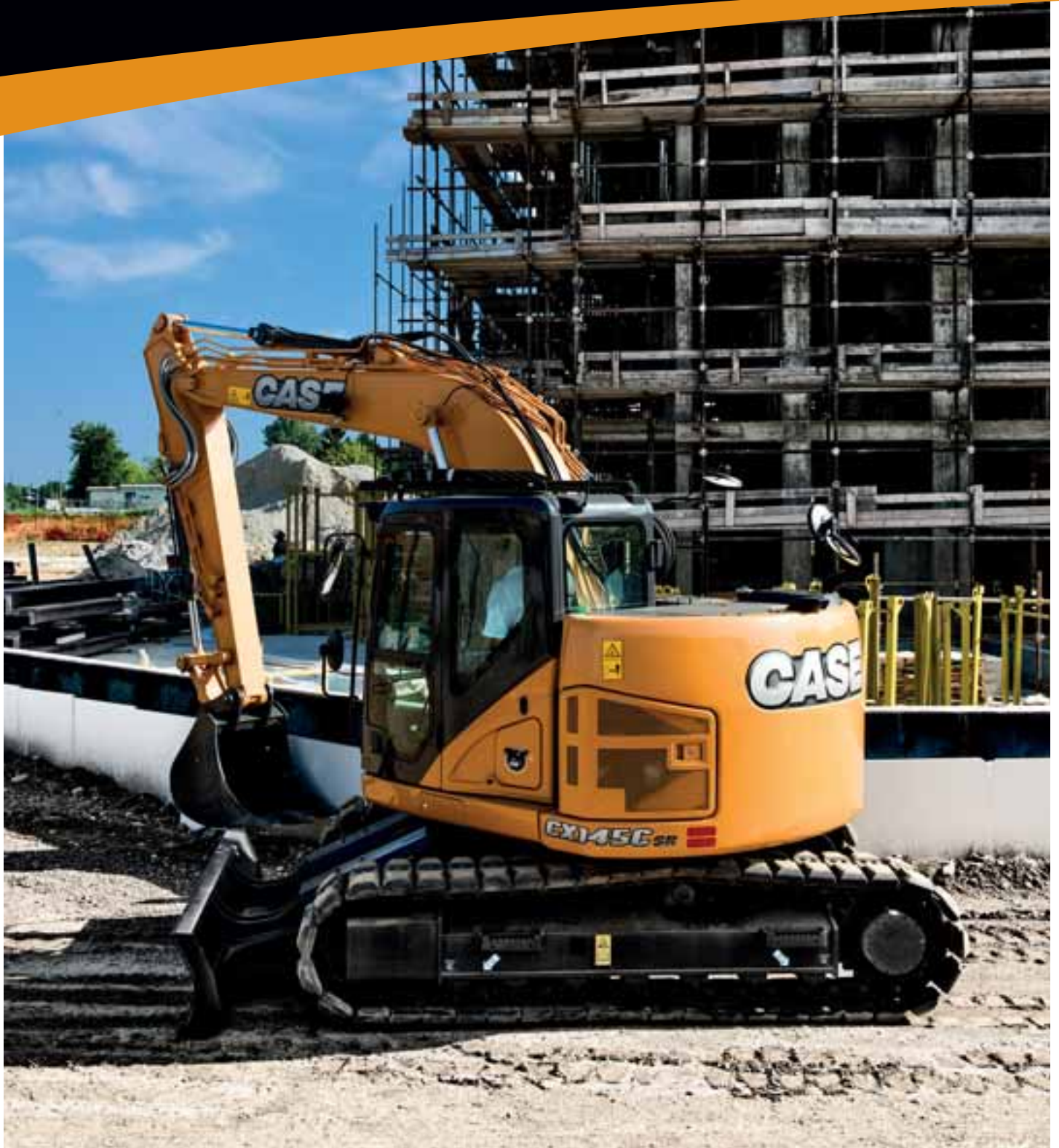
The new ROPS cab provides automotive levels of reduced noise and improved operator comfort. Visibility, space and seating have been improved and a new full-colour monitor delivers essential information and a camera feed for maximum safety and efficiency.





CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR | CX235C SR | CX235C SR LC



Short swing radius

The short swing radius allows excellent operation even in confined spaces. The new CX145C SR and CX235C SR are the perfect machines for road construction, bridges projects and in urban construction sites, any jobsite where space is limited.

The new CASE SR machines are designed to increase productivity, giving the operator easier operation with performance, without the risk of machines damage, in other words superior safety on the job site.

Energy efficiency

The Case Intelligent Hydraulic System (CIHS) incorporates a host of energy saving, performance enhancing functions, to boost efficiency and machine output. In combination with powerful, fuel-efficient Tier 4 Interim diesel engines, this leads to fuel savings of up to 17% for the CX235C SR and up to 9% for the CX145C SR. A simple operating mode dial delivers three working modes with Super Power set to provide maximum horsepower and hydraulic output. A Powerboost function provides an 8 second boost for maximum digging performance.

Boom Economy Control increases energy efficiency during swing and boom lower operations, while Swing Relief Control further optimises energy use when slewing. Automatic Economy Control cuts energy use when the operating levers are in the neutral position and Spool Stroke Control delivers improved controllability in digging and levelling tasks.

The machines feature automatic engine idling and automatic engine shut down, to further cut unnecessary fuel use when not working. Pump Torque Variable Control provides perfect control of the engine and hydraulic system, further boosting economy. Despite this focus on reduced consumption, the SR excavators boast a 5% improvement in cycle times with a 6% improvement in lifting performance.

Robust quality

The short radius machines continue a Case tradition of robust design and high quality build. By bringing together the highest quality components and materials, in a machine that has been designed to work productively, Case has further improved reliability and durability, reducing ownership costs and cutting downtime for the customer.



CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR | CX235C SR | CX235C SR LC



Simplified maintenance

All filters are grouped together for easy access, reducing service time. In addition remote greasing points and standard EMS bushings cut greasing intervals to every 1,000 hours.

A synthetic filter extends hydraulic oil service intervals to 5,000 hours while engine oil change intervals are set at a competitive 500 working hours. Side-by-side coolers and radiators are easily accessed for cleaning and maintenance, with a removable mesh filter cutting downtime and boosting productivity for the customer.

A redesigned upper structure provides access to all service points from ground level, with large side opening access doors. A standard 100 litre/min refuelling pump with automatic stop function and a 35 litre larger tank keeps downtime to a minimum, ensuring maximum productivity for up to two working days.





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CX145C SR | CX235C SR | CX235C SR LC

Operator comfort and safety

Case SR excavators take operator comfort to the next level, with a new 7% larger ROPS and FOPS Level 2 cab that delivers an almost automotive noise level.

Multi-adjustable suspension seating, increased foot space, a larger rear storage compartment and a standard comfort package that includes an integral hot/cold storage box, cup holder and mobile phone holder deliver the most productive working environment possible.

Visibility is improved and the Case machines feature a new full-colour Multifunction Display. This extra large LED screen provides important machine information in a clear, easy to use menus format.

Rear and side view cameras can be viewed using a split-screen facility, while vital machine data remains clearly visible.

An ECO gauge provides a constant real-time recording of fuel consumption, allowing the operator to reduce power and conserve fuel when possible, improving efficiency and productivity. The monitor also provides access to on-board diagnostics, reducing downtime for service and maintenance.





CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR | CX235C SR | CX235C SR LC





CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR

Specifications

Engine

Model _____ Tier 4 interim certified ISUZU AM-4JJ1X
Type _____ Water-cooled, 4-cycle diesel, 4-cylinder in line,
High pressure common rail system (electric control), Turbocharger
with air cooled intercooler, DPD system
Number of cylinders _____ 4
Bore/Stroke _____ 95.4 x 104.9 mm
Horsepower ISO 9249 _____ 74.9 kW at 2000 min⁻¹
Maximum torque ISO 9249 _____ 359 Nm at 1600 min⁻¹

Hydraulic system

Max oil flow _____ 2 x 129 l/min @ 2000 min⁻¹
2 variable displacement axial piston pumps with regulating system
Working circuit pressure _____
Boom/Arm/Bucket _____ 34.3 MPa
Boom/Arm/Bucket (with auto power up) _____ 36.3 MPa
Swing circuit _____ 28.0 MPa
Travel circuit _____ 34.3 Mpa

Swing

Maximum swing speed _____ 10.6 min⁻¹

Travel

Travel motor _____ Fixed displacement axial piston motor
Max travel speed _____ 5.6 km/h (Automatic travel speed shifting)
Low travel speed _____ 3.4 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 116 kN

Electrical system

Circuit _____ 24 V
Alternator _____ 50 Amp

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 _____ 200 l
Hydraulic system _____ 158 l
Cooling system _____ 15.3 l

Weight and ground pressure

With 2.50 m Arm , 0.5 m³ bucket, operator, lubricant, coolant and full fuel tank and top guard OPG level 2

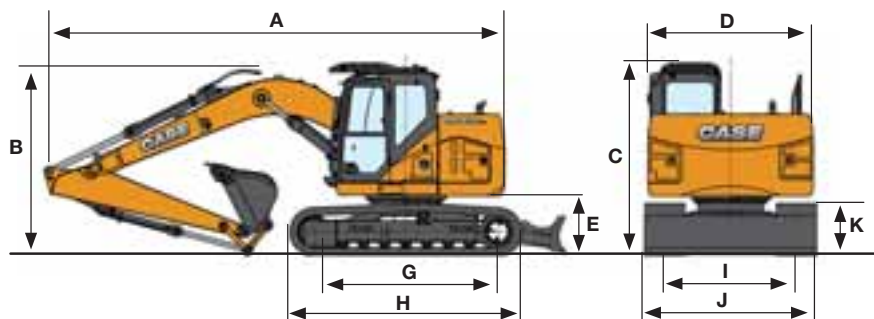
CX145C SR LC	Weight (kg)	Ground pressure (MPa)
600 mm grouser shoe	14.400	0.036

CX145C SR BLADE	Weight (kg)	Ground pressure (MPa)
600 mm grouser shoe	14.500	0.039

With 2.10 m Arm , 0.45 m³ bucket, operator, lubricant, coolant and full fuel tank and top guard OPG level 2

CX145C SR BLADE OFFSET BOOM	Weight (kg)	Ground pressure (MPa)
600 mm grouser shoe	15.200	0.041

General dimensions



CX145C SR LC

	Arm 2.50 m	Arm 3.00 m	Arm 2.10 m
Overall length (without attachment)	3500 mm	3500 mm	3500 mm
A Overall length (with attachment)	7220 mm	7180 mm	7210 mm
B Overall height (with attachment)	2900 mm	2900 mm	2900 mm
C Cab height	2900 mm	2900 mm	2900 mm
D Upper structure overall width	2490 mm	2490 mm	2490 mm
Swing (rear end) radius	1490 mm	1490 mm	1490 mm
E Clearance height under upper structure	880 mm	880 mm	880 mm
F Minimum ground clearance	440 mm	440 mm	440 mm
G Wheel base (Center to center of wheels)	2790 mm	2790 mm	2790 mm
H Crawler overall length	3500 mm	3500 mm	3500 mm
I Track gauge	1990 mm	1990 mm	1990 mm
J Undercarriage overall width (with 600 mm shoes)	2590 mm	2590 mm	2590 mm
K Crawler tracks height	790 mm	790 mm	790 mm

CX145C SR BLADE

	Arm 2.50 m	Arm 3.00	Arm 2.10 m	OFFSET BOOM Arm 2.10 m
Overall length (without attachment)	4160 mm	4160 mm	4160 mm	4160 mm
A Overall length (with attachment)	7880 mm	7840 mm	7870 mm	7680 mm
B Overall height (with attachment)	2900 mm	2900 mm	2900 mm	2900 mm
C Cab height	2900 mm	2900 mm	2900 mm	2900 mm
D Upper structure overall width	2490 mm	2490 mm	2490 mm	2490 mm
Swing (rear end) radius	1490 mm	1490 mm	1490 mm	1490 mm
E Clearance height under upper structure	880 mm	880 mm	880 mm	880 mm
F Minimum ground clearance	440 mm	440 mm	440 mm	440 mm
G Wheel base (Center to center of wheels)	2790 mm	2790 mm	2790 mm	2790 mm
H Crawler overall length	3500 mm	3500 mm	3500 mm	3500 mm
I Track gauge	1990 mm	1990 mm	1990 mm	1990 mm
J Undercarriage overall width (with 600 mm shoes)	2590 mm	2590 mm	2590 mm	2590 mm
K Crawler tracks height	790 mm	790 mm	790 mm	790 mm

Blade dimensions and range

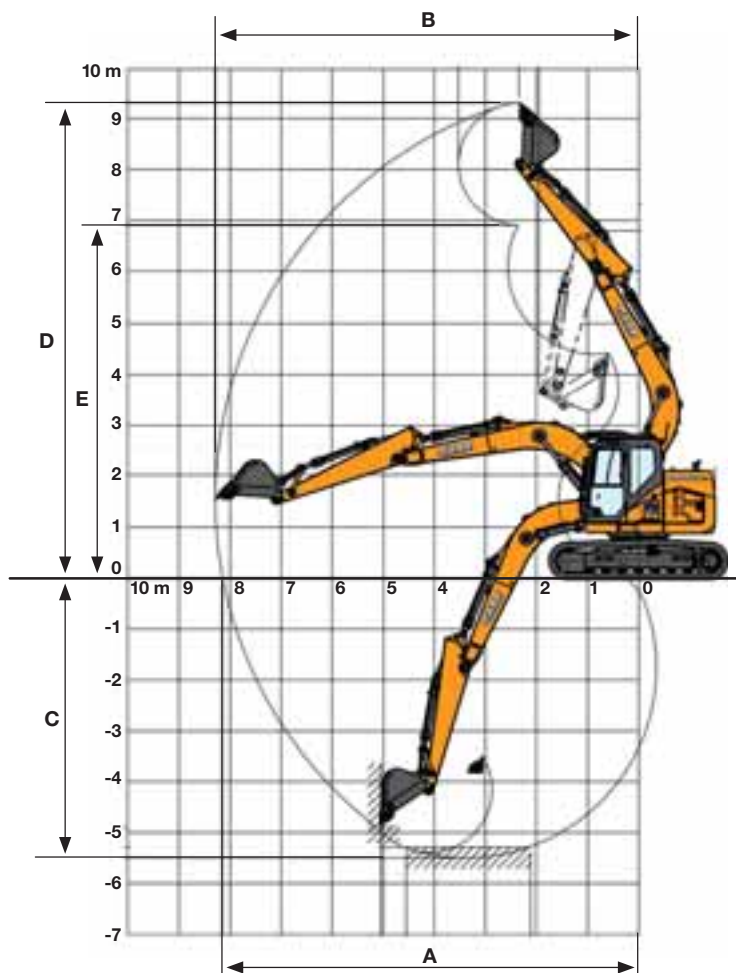
CX145C SR BLADE / OFFSET BOOM

Blade dimensions (width x height)	2590 x 570 mm
Blade range (up/down)	510 x 520 mm

CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR

Performance data



CX145C SR LC/CX145C SR BLADE

Arm 2.50 m

Arm 3.00

Arm 2.10 m

OFFSET BOOM Arm 2.10 m

	Arm 2.50 m	Arm 3.00	Arm 2.10 m	OFFSET BOOM Arm 2.10 m
Boom length	4630 mm	4630 mm	4630 mm	4500 mm
Bucket radius	1200 mm	1200 mm	1200 mm	1200 mm
Bucket wrist action	178 °	178 °	178 °	178 °
A Maximum reach at GRP	8140 mm	8600 mm	7780 mm	7430 mm
B Maximum reach	8290 mm	8740 mm	7940 mm	7590 mm
C Max. digging depth	5510 mm	6010 mm	5110 mm	4910 mm
D Max. digging height	9340 mm	9690 mm	9060 mm	8630 mm
E Max. dumping height	6940 mm	7290 mm	6660 mm	6250 mm

Digging force With 0.5 m³ bucket (ISO 6015)

CX145C SR LC/CX145C SR BLADE

Arm 2.50 m

Arm 3.00

Arm 2.10 m

OFFSET BOOM Arm 2.10 m

	Arm 2.50 m	Arm 3.00	Arm 2.10 m	OFFSET BOOM Arm 2.10 m
Arm digging force	62 kN	56 kN	70 kN	59.5 kN
- with auto power up	66 kN	60 kN	74 kN	
Bucket digging force	90 kN	90 kN	90 kN	89.3 kN
- with auto power up	95 kN	95 kN	95 kN	

Lifting capacity

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

CX145C SR. LC. Standard arm. 2.50 m arm length, 0.50 m³ bucket, 600G shoes, max reach 8.29 m

7.5 m							2360 *	2360 *					1300*	1300*	5.24	
6.0 m							2960 *	2960 *	2320 *	2210			1100*	1100*	6.70	
4.5 m							3690 *	3510	2940 *	2170		1100*	1100*	1040*	1040*	7.52
3.0 m				7250*	6530	5260 *	3360	3360	2070	2280	1370		1040*	1040*	7.92	
1.5 m				9800*	5880	5190	3100	3220	1950	2230	1320		1110*	1110*	8.00	
0 m			2770 *	2770 *	8330*	5430	4960	2900	3110	1850	2180	1280	1240*	1200	7.77	
-1.5 m			5160 *	5160 *	9620*	5390	4860	2810	3060	1810			1500*	1360	7.22	
-3.0 m			8100 *	8100 *	7980*	5590	4890	2860	3100	1870			2060*	1720	6.26	
-4.5 m					4510*	4510*	2650 *	2650 *					2200*	2200*	4.69	

CX145C SR. LC. Short arm. 2.10 m arm length, 0.55 m³ bucket, 600G shoes, max reach 7.94 m

7.5 m							1980 *	1980 *					1600*	1600*	4.63
6.0 m							3200 *	3200 *	2180 *	2140			1330*	1330*	6.26
4.5 m				4580*	4580*	4370 *	3500	3330 *	2110				1250*	1250*	7.14
3.0 m				8030*	6420	5390	3270	3300	2020	1620*	1330		1250*	1250*	7.57
1.5 m				9970*	5660	5100	3020	3170	1900	2160*	1290		1320*	1240	7.65
0 m				7620*	5310	4980	2830	3070	1810				1470*	1280	7.41
-1.5 m			5590 *	5590 *	9320*	5370	4830	2790	3050	1790			1790*	1470	6.82
-3.0 m			8330 *	8330 *	7140*	5500	4840	2870					2500*	1940	5.80
-4.5 m					3060*	3060*							2240*	2240*	3.79

CX145C SR. LC. Long arm. 3.00 m arm length, 0.37 m³ bucket, 600G shoes, max reach 8.76 m

7.5 m							2340 *	2340 *					1270*	1270*	5.98
6.0 m							2750 *	2750 *	2290 *	2290			1110*	1110*	7.27
4.5 m							3070 *	3070	2730 *	2240	2000*	1460	1060*	1060*	8.02
3.0 m				4640*	4640*	4250 *	3440	3370 *	2120	2320	1410		1070*	1070*	8.40
1.5 m				8960*	6060	5270 *	3160	3260	1980	2250	1340		1130*	1060	8.47
0 m			2790 *	2790 *	9520*	5460	4980	2910	3130	1860	2190	1280	1250*	1080	8.26
-1.5 m	3860 *	3860*	4690 *	4690 *	9350*	5300	4830	2780	3050	1790	2160	1260	1480*	1200	7.74
-3.0 m	5020 *	5020*	6880 *	6880 *	8720*	5370	4840	2810	3070	1810			1950*	1470	6.85
-4.5 m			9040 *	9040 *	5870*	5440	3900 *	2900					2370*	2160	5.44

* Hydraulic capacity 87%

CX C-SERIES HYDRAULIC EXCAVATORS

CX145C SR

Lifting capacity

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

CX145C SR. BLADE DOWN. Standard arm. 2.50 m arm length, 0.50 m³ bucket, 600G shoes, max reach 8.29 m

7.5 m							2360 *	2360 *					1300*	1300*	5.24
6.0 m							2960 *	2960 *	2320 *	2270			1100*	1100*	6.70
4.5 m							3690 *	3590	2940 *	2230	1100*	1100*	1040*	1040*	7.52
3.0 m					7250*	6760	5260 *	3450	3870 *	2130	2310*	1410	1040*	1040*	7.92
1.5 m					9800*	6100	6330 *	3190	4730 *	2000	2770*	1360	1110*	1110*	8.00
0 m							6740 *	2980	4870 *	1900	2480	1310	1240*	1240	7.77
-1.5 m							6520 *	2900	4640 *	1860			1500*	1390	7.22
-3.0 m							5470 *	2950	3510 *	1920			2060*	1770	6.26
-4.5 m							2650 *	2650 *					2200*	2200*	4.69

CX145C SR. BLADE DOWN. Short arm. 2.10 m arm length, 0.55 m³ bucket, 600G shoes, max reach 7.94 m

7.5 m							1980 *	1980 *					1600*	1600*	4.63
6.0 m							3200 *	3200 *	2180 *	2180*			1330*	1330*	6.26
4.5 m					4580*	4580*	4370 *	3590	3330 *	2170			1250*	1250*	7.14
3.0 m					8030*	6660	5440 *	3360	4400 *	2070	1620*	1360	1250*	1250*	7.57
1.5 m					9970*	5890	6480 *	3110	4780 *	1950	2160*	1320	1320*	1270	7.65
0 m							6700 *	2920	4830 *	1860			1470*	1320	7.41
-1.5 m							6310 *	2880	4430 *	1840			1790*	1510	6.82
-3.0 m							4960 *	2960					2500*	1990	5.80
-4.5 m							3060*	3060*					2240*	2240*	3.79

CX145C SR. BLADE DOWN. Long arm. 3.00 m arm length, 0.37 m³ bucket, 600G shoes, max reach 8.76 m

7.5 m							2340 *	2340 *					1270*	1270*	5.98
6.0 m							2750 *	2750 *	2290 *	2290*			1110*	1110*	7.27
4.5 m							3070 *	3070 *	2730 *	2290	2000*	1420	1060*	1060	8.02
3.0 m					4640*	4640*	4250 *	3530	3510 *	2180	2570*	1450	1070*	1070*	8.40
1.5 m					8960*	6300	6020 *	3260	4580 *	2040	3080*	1380	1130*	1090	8.47
0 m							6660 *	3000	4840 *	1910	3310*	1320	1250*	1110	8.26
-1.5 m	3860 *	3860*	4690 *	4690 *	9350*	5520	6610 *	2870	4750 *	1840	2470*	1300	1480*	1230	7.74
-3.0 m	5020 *	5020*	6880 *	6880 *	8720*	5590	5880 *	2890	4060 *	1870			1950*	1510	6.85
-4.5 m							3900 *	2980 *					2370*	2220	5.44

* Hydraulic capacity 87%

Lifting capacity

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

CX145C SR. BLADE UP. Standard arm. 2.50 m arm length, 0.50 m³ bucket, 600G shoes, max reach 8.29 m

7.5 m							2360 *	2360 *					1300*	1300*	5.24
6.0 m							2960 *	2960 *	2320 *	2150			1100*	1100*	6.70
4.5 m							3690 *	3430	2840	2110	1100*	1100*	1040*	1040*	7.52
3.0 m				7250*	6380	4470	3260	2730	2010	1840	1320	1040*	1040*	1040*	7.92
1.5 m				8560	5710	4190	3010	2610	1890	1780	1270	1110*	1110*	1110*	8.00
0 m			2770 *	2770 *	7950	5260	3970	2800	2500	1780	1740	1230	1240*	1150	7.77
-1.5 m			5160 *	5160 *	7960	5220	3870	2720	2450	1740			1500*	1300	7.22
-3.0 m			8100 *	8100 *	7920	5330	3920	2770	2510	1800			2060*	1660	6.26
-4.5 m					4510*	4510*	2650 *	2650 *					2200*	2200*	4.69

CX145C SR. BLADE UP. Short arm. 2.10 m arm length, 0.55 m³ bucket, 600G shoes, max reach 7.94 m

7.5 m							1980 *	1980 *					1600*	1600*	4.63
6.0 m							3200 *	3200 *	2180 *	2070			1330*	1330*	6.26
4.5 m				4580*	4580*	4370 *	3400	2780	2050				1250*	1250*	7.14
3.0 m				8030*	6250	4380	3170	2680	1950	1620*	1270	1250*	1250	1250	7.57
1.5 m				8300	5490	4100	2920	2550	1840	1740	1230	1320*	1190	1190	7.65
0 m				7620*	5150	3900	2740	3460	1750			1470*	1230	1230	7.41
-1.5 m			5590 *	5590 *	7940	5210	3850	2690	2440	1730			1790*	1410	6.82
-3.0 m			8330 *	8330 *	7140*	5340	3930	2780					2500*	1870	5.80
-4.5 m					3060*	3060*							2240*	2240*	3.79

CX145C SR. BLADE UP. Long arm. 3.00 m arm length, 0.37 m³ bucket, 600G shoes, max reach 8.76 m

7.5 m							2340 *	2340 *					1270*	1270*	5.98
6.0 m							2750 *	2750 *	2290 *	2230			1110*	1110*	7.27
4.5 m							3070 *	3070 *	2730 *	2170	1930	1410	1060*	1060*	8.02
3.0 m				4640*	4640*	4250 *	3350	2790	2060	1870	1360	1070*	1060	1060	8.40
1.5 m				8780	5890	4270	3070	2640	1920	1800	1290	1130*	1010	1010	8.47
0 m			2790 *	2790 *	8060	5290	3990	2820	2510	1790	1740	1230	1250*	1040	8.26
-1.5 m	3860 *	3860*	4690 *	4690 *	7830	5140	3850	2690	2430	1720	1720	1210	1480*	1150	7.74
-3.0 m	5020 *	5020*	6880 *	6880 *	7900	5210	3860	2710	2460	1750			1950*	1420	6.85
-4.5 m			9040 *	9040 *	5870*	5280	3880	2810					2370*	2080	5.44

* Hydraulic capacity 87%

CX C-SERIES HYDRAULIC EXCAVATORS

CX235C SR | CX235C SR LC

Specifications

Engine

Model _____ Tier 4 interim certified ISUZU AM-4HK1X
Type _____ Water-cooled, 4-cycle diesel, 4-cylinder in line,
High pressure common rail system (electric control), Turbocharger
with air cooled intercooler, DPD system
Number of cylinders _____ 4
Bore/Stroke _____ 115 x 125 mm
Horsepower ISO 9249 _____ 119.3 kW at 1800 min⁻¹
Maximum torque ISO 9249 _____ 621 Nm at 1500 min⁻¹

Hydraulic system

Max oil flow _____ 2 x 211 l/min @ 1800 min⁻¹
2 variable displacement axial piston pumps with regulating system
Working circuit pressure _____
Boom/Arm/Bucket _____ 34.3 MPa
Boom/Arm/Bucket (with auto power up) _____ 36.4 MPa
Swing circuit _____ 29.4 MPa
Travel circuit _____ 34.3 Mpa

Swing

Maximum swing speed _____ 11.8 min⁻¹

Travel

Travel motor _____ Variable displacement axial piston motor
Max travel speed _____ 5.0 km/h (Automatic travel speed shifting)
Low travel speed _____ 3.2 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 201 kN

Electrical system

Circuit _____ 24 V
Alternator _____ 50 Amp

Undercarriage

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 8
Number of shoes (each side) _____ 49
Type of shoe _____ Triple grouser shoe

Capacities

Fuel tank _____ 320 l
Hydraulic system _____ 252 l
Cooling system _____ 30.9 l

Weight and ground pressure

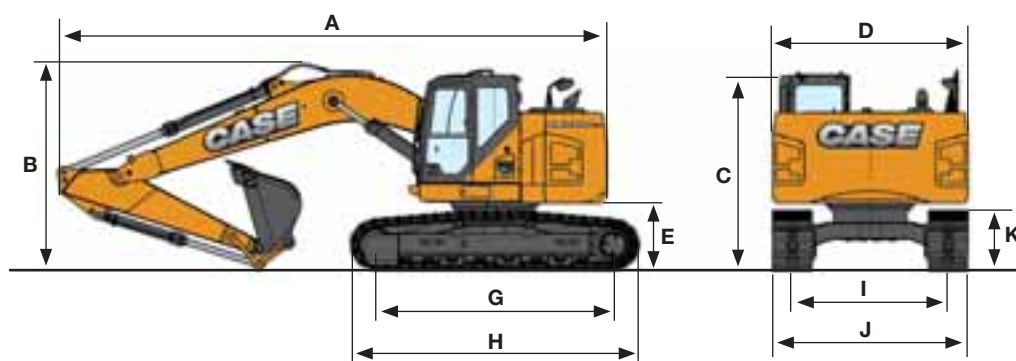
With 2.40 m Arm , 1.0 m³ bucket, operator, lubricant, coolant, full fuel tank

CX235C SR LC	Weight (kg)	Ground pressure (MPa)
600 mm rubber grouser shoe	24500	0.051
600 mm grouser shoe	24100	0.05
700 mm grouser shoe	24600	0.044
800 mm grouser shoe	24900	0.039
900 mm grouser shoe	25200	0.035

With 2.40 m Arm , 1.0 m³ bucket, operator, lubricant, coolant, full fuel tank

CX235C SR BLADE	Weight (kg)	Ground pressure (MPa)
600 mm rubber grouser shoe	25500	0.057
600 mm grouser shoe	25200	0.056
700 mm grouser shoe	25500	0.049
800 mm grouser shoe	25800	0.043

General dimensions



Arm 2.40 m

Arm 1.90 m HD

Arm 2.94 m

	Arm 2.40 m	Arm 1.90 m HD	Arm 2.94 m
Overall length (without attachment)	4470 mm	4470 mm	4470 mm
A Overall length (with attachment)	8920 mm	8940 mm	8830 mm
B Overall height (with attachment)	3180 mm	3100 mm	3090 mm
C Cab height	3140 mm	3140 mm	3140 mm
D Upper structure overall width	2990 mm	2990 mm	2990 mm
Swing (rear end) radius	1720 mm	1720 mm	1720 mm
E Clearance height under upper structure	1020 mm	1020 mm	1020 mm
F Minimum ground clearance	440 mm	440 mm	440 mm
G Wheel base (Center to center of wheels)	3660 mm	3660 mm	3660 mm
H Crawler overall length	4470 mm	4470 mm	4470 mm
I Track gauge	2390 mm	2390 mm	2390 mm
J Undercarriage overall width (with 600 mm shoes)	2990 mm	2990 mm	2990 mm
K Crawler tracks height	920 mm	920 mm	920 mm

CX235C SR BLADE

Arm 2.40 m

Arm 1.90 m HD

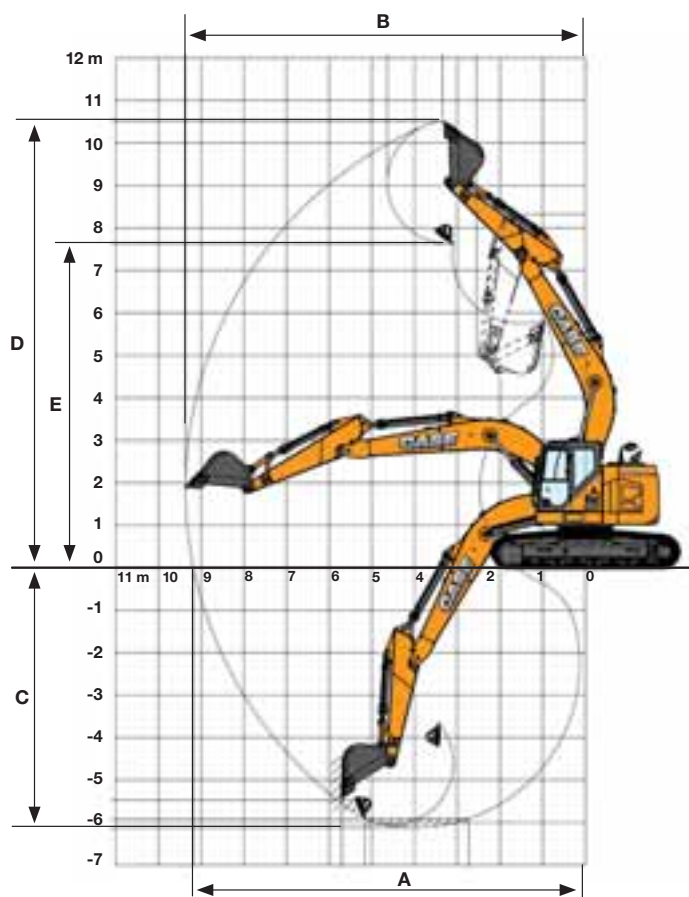
Arm 2.94 m

	Arm 2.40 m	Arm 1.90 m HD	Arm 2.94 m
Overall length (without attachment)	4700 mm	4700 mm	4700 mm
A Overall length (with attachment)	9300 mm	9320 mm	9210 mm
B Overall height (with attachment)	3180 mm	3100 mm	3090 mm
C Cab height	3000 mm	3000 mm	3000 mm
D Upper structure overall width	2990 mm	2990 mm	2990 mm
Swing (rear end) radius	1720 mm	1720 mm	1720 mm
E Clearance height under upper structure	1020 mm	1020 mm	1020 mm
F Minimum ground clearance	440 mm	440 mm	440 mm
G Wheel base (Center to center of wheels)	3370 mm	3370 mm	3370 mm
H Crawler overall length	4180 mm	4180 mm	4180 mm
I Track gauge	2200 mm	2200 mm	2200 mm
J Undercarriage overall width (with 600 mm shoes)	2800 mm	2800 mm	2800 mm
K Crawler tracks height	920 mm	920 mm	920 mm

CX C-SERIES HYDRAULIC EXCAVATORS

CX235C SR | CX235C SR LC

Performance data



CX235C SR LC/CX235C SR BLADE

	Arm 2.40 m	Arm 1.90 m HD	Arm 2.94 m
Boom length	5700 mm	5700 mm	5700 mm
Bucket radius	1450 mm	1450 mm	1450 mm
Bucket wrist action	177°	177°	177°
A Maximum reach at GRP	9180 mm	8710 mm	9670 mm
B Maximum reach	9370 mm	8910 mm	9850 mm
C Max. digging depth	6120 mm	5620 mm	6650 mm
D Max. digging height	10520 mm	10170 mm	10860 mm
E Max. dumping height	7630 mm	7280 mm	7970 mm

Digging force

With 1.0 m³ bucket (ISO 6015)

CX235C SR LC/CX235C SR BLADE

	Arm 2.40 m	Arm 1.90 m HD	Arm 2.94 m
Arm digging force	123 kN	142 kN	103 kN
- with auto power up	132 kN	152 kN	110 kN
Bucket digging force	142 kN	142 kN	142 kN
- with auto power up	152 kN	152 kN	152 kN

Lifting capacity

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	

CX235C BLADE. Version S-Short arm. 1.91 m arm length, 1.00 m³ bucket, 600G shoes, max reach 8.57 m - Blade down

9.0 m												4630*	4630*	4.36
7.5 m				4830*	4830*	4890 *	4890 *					4020*	4020*	6.46
6.0 m				5810*	5810*	5140 *	4940	4420 *	3310			3810*	3230	7.59
4.5 m			9690 *	9690 *	7310*	7310*	5580 *	4740	5160 *	3250		3790*	2720	8.24
3.0 m					8850*	7010	6740 *	4490	5590 *	3130		3900*	2490	8.54
1.5 m					10100*	6540	7430 *	4270	5890 *	3020		4140*	2440	8.53
0 m			7290 *	7290 *	10550*	6330	7680 *	4120	5960 *	2940		4580*	2550	8.25
-1.5 m	7760 *	7760*	12030 *	12030 *	10270*	6370	7550 *	4110	5620 *	2980		5340*	2880	7.65
-3.0 m	12950 *	12950*	12780 *	12580	9220*	6520	6700 *	4260				5340*	3600	6.67
-4.5 m			9370 *	9370 *	6670*	6630						5170*	5170*	5.15

CX235C BLADE. Version S-Short arm. 1.91 m arm length, 1.00 m³ bucket, 600G shoes, max reach 8.57 m - Blade up

9.0 m												4630*	4630*	4.36
7.5 m					4830*	4830*	4890 *	4780				4020*	4020*	6.46
6.0 m					5810*	5810*	5140 *	4720	4420 *	3150		3810*	3080	7.59
4.5 m			9690 *	9690 *	7310*	7090	5880 *	4520	4750	3090		3790*	2580	8.24
3.0 m					8850*	6660	6610	4280	4630	2980		3710	2360	8.54
1.5 m					10100*	6200	6410	4060	4510	2860		3660	2310	8.53
0 m			7290 *	7290 *	9940	5990	6250	3910	4430	2790		3840	2420	8.25
-1.5 m	7760 *	7760*	12030 *	11420	9950	6030	6230	3900	4470	2830		4320	2730	7.65
-3.0 m	12950 *	12950*	12780 *	11960	9220*	6180	6310	4050				5340*	3420	6.67
-4.5 m			9370 *	9370 *	6670*	6330						5170*	5170*	5.15

CX235C LC. Version S-Short arm. 1.91 m arm length, 1.00 m³ bucket, 600G shoes, max reach 8.57 m

9.0 m												4630*	4630*	4.36
7.5 m					4830*	4830*	4890 *	4890 *				4020*	4020*	6.46
6.0 m					5810*	5810*	5140 *	4690	4420 *	3320		3810*	3240	7.59
4.5 m			9690 *	9690 *	7310*	7310*	5880 *	4760	5160 *	3250		3790*	2720	8.24
3.0 m					8850*	7080	6740 *	4520	5090	3140		3900*	2490	8.54
1.5 m					10100*	6610	7110	4290	4970	3020		4040	2440	8.53
0 m			7290 *	7290 *	10550*	6390	6940	4140	4890	2950		4230	2550	8.25
-1.5 m	7760 *	7760*	12030 *	12030 *	10270*	6430	6910	4130	4930	2980		4770	2880	7.65
-3.0 m			12950 *	12950 *	12780*	12780	9220 *	6580	6700 *	4280		5340*	3610	6.67
-4.5 m			9370 *	9370 *	6670*	6670*						5170*	5170*	5.15

* Hydraulic capacity 87%

CX C-SERIES HYDRAULIC EXCAVATORS

CX235C SR | CX235C SR LC

Lifting capacity

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

CX235C BLADE. Version Short arm. 2.40 m arm length, 1.00 m³ bucket, 600G shoes, max reach 9.03 m - Blade down

9.0 m					3510*	3510*								3730*	3730*	5.32
7.5 m					3660*	3660*	4380*	4380*						3250*	3250*	7.08
6.0 m					5130*	5130*	4910*	4860	4430*	3350				3090*	2860	8.12
4.5 m			8360*	8360*	6610*	6610*	5450*	4780	4910*	3260				3070*	2440	8.72
3.0 m			10110*	10110*	8490*	7130	6380*	4520	5280*	3130	3170*	2240		3160*	2240	9
1.5 m					9890*	6600	7170*	4270	5700*	2990				3360*	2190	9
0 m			7670*	7670*	10490*	6300	7580*	4090	5890*	2900				3710*	2280	8.72
-1.5 m	8000*	8000*	11280*	11280*	10350*	6280	7550*	4040	5780*	2880				4330*	2540	8.16
-3.0 m	11260*	11260*	13740*	12600	9610*	6390	7030*	4130						5060*	3090	7.25
-4.5 m			10860*	10860*	7710*	6590								4990*	4390	5.87

CX235C BLADE. Version Short arm. 2.40 m arm length, 1.00 m³ bucket, 600G shoes, max reach 9.03 m - Blade up

9.0 m					3510*	3510*								3730*	3730*	5.32
7.5 m					3660*	3660*	4380*	4380*						3250*	3250*	7.08
6.0 m					5130*	5130*	4910*	4690	4430*	3190				3090*	2720	8.12
4.5 m			8360*	8360*	6610*	6610*	5450*	4560	4740*	3100				3070*	2310	8.72
3.0 m			10110*	10110*	8490*	6780	6380*	4300	4630	2970	3170*	2120		3160*	2120	9
1.5 m					9890*	6260	6420	4060	4490	2840				3330	2070	9
0 m			7670*	7670*	9910	5960	6220	3880	4380	2470				3470	2150	8.72
-1.5 m	8000*	8000*	11280*	11200	9870	5940	6150	3830	4370	2730				3850	2400	8.16
-3.0 m	11260*	11260*	13740*	11930	9610*	6050	6240	3920						4660	2930	7.25
-4.5 m			10860*	10860*	7710*	6280								4990*	4170	5.87

CX235C LC. Version Short arm. 2.40 m arm length, 1.00 m³ bucket, 600G shoes, max reach 9.03 m

9.0 m					3510*	3510*								3730*	3730*	5.32
7.5 m					3660*	3660*	4380*	4380*						3250*	3250*	7.08
6.0 m					5130*	5130*	4910*	4880*	4430*	3360				3090*	2860	8.12
4.5 m			8360*	8360*	6610*	6610*	5450*	4810	4910*	3270				3070*	2440	8.72
3.0 m			10110*	10110*	8490*	7200	6380*	4540	5100	3130	3170*	2240		3160*	2240	9
1.5 m					9890*	6660	7070	4290	4950	3000				3360*	2190	9
0 m			7670*	7670*	10490*	6360	6910	4140	4840	2900				3710*	2280	8.72
-1.5 m	8000*	8000*	11280*	11280*	10350*	6340	6840	4050	4830	2890				4250	2540	8.16
-3.0 m	11260*	11260*	13740*	12850	9610*	6450	6860	4140						5060*	3100	7.25
-4.5 m			10860*	10860*	7710*	6650								4990*	4410	5.87

* Hydraulic capacity 87%

Lifting capacity

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

CX235C BLADE. Version Standard arm. 2.94 m arm length, 0.90 m³ bucket, 600G shoes, max reach 9.51 m - Blade down

9.0 m							2930 *	2930 *				2490*	2490*	6.17	
7.5 m							3980 *	3980 *	2850 *	2850*		2190*	2190*	7.71	
6.0 m							4430 *	4430 *	4020 *	3460		2090*	2090*	8.66	
4.5 m			4990 *	4990 *	5680*	5680*	5000 *	4880 *	4610 *	3360	2980*	2380	2080*	2080*	9.22
3.0 m			10960 *	10960 *	7890*	7300	6050 *	4640	5050 *	3210	4000	2310	2150*	2080	9.49
1.5 m			8870 *	8870 *	9600*	6790	6940 *	4370	5570 *	3060	4430*	2240	2290*	2040	9.48
0 m			8500 *	8500 *	10440*	6410	7520 *	4160	5880 *	2940	3850*	2190	2530*	2100	9.22
-1.5 m	7310 *	7310*	10920 *	10920 *	10470*	6290	7610 *	4060	5880 *	2890			2950*	2310	8.69
-3.0 m	9960 *	9960*	14670 *	12570	10020*	6360	7330 *	4100	5440 *	2960			3720*	2740	7.85
-4.5 m	14280 *	14280*	12330 *	12330 *	8610*	6570	6120 *	4330					4940*	3660	6.58

CX235C BLADE. Version Standard arm. 2.94 m arm length, 0.90 m³ bucket, 600G shoes, max reach 9.51 m - Blade up

9.0 m							2930 *	2930 *					2490*	2490*	6.17
7.5 m							3980 *	3980 *	2850 *	2850*			2190*	2190*	7.71
6.0 m							4430 *	4430 *	4020 *	3300			2090*	2090*	8.66
4.5 m			4990 *	4990 *	5680*	5680*	5000 *	4700	4610 *	3200	2980*	2260	2080*	2080*	9.22
3.0 m			10960 *	10960 *	7890*	7000	6050 *	4420	4720	3050	3460	2190	2150*	1970	9.49
1.5 m			8870 *	8870 *	9600*	6440	6530	4160	4560	2910	3380	2120	2290*	1920	9.48
0 m			8500 *	8500 *	10030	6070	6290	3950	4430	2790	3320	2070	2530*	1990	9.22
-1.5 m	7310 *	7310*	10920 *	10920 *	9890	5950	6180	3850	4380	2740			2950*	2180	8.69
-3.0 m	9960 *	9960*	14670 *	11800 *	9880	6020	6210	3890	4450	2810			3720*	2590	7.85
-4.5 m	14280 *	14280*	12330 *	11890	8610*	6230	6120 *	4120					4940*	3470	6.58

CX235C LC. Version Standard arm. 2.94 m arm length, 0.90 m³ bucket, 600G shoes, max reach 9.51 m

9.0 m							2930 *	2930 *					2490*	2490*	6.17
7.5 m							3980 *	3980 *	2850 *	2850*			2190*	2190*	7.71
6.0 m							4430 *	4430 *	4020 *	3470			2090*	2090*	8.66
4.5 m			4990 *	4990 *	5680*	5680*	5000 *	4900	4610 *	3360	2980*	2380	2080*	2080*	9.22
3.0 m			10960 *	10960 *	7890*	7360	6050 *	4660	5050 *	3220	3800	2310	2150*	2080	9.49
1.5 m			8870 *	8870 *	9600*	6850	6940 *	4390	5020	3070	3720	2240	2290*	2030	9.48
0 m			8500 *	8500 *	10440*	6470	6990	4180	4890	2950	3670	2190	2530*	2100	9.22
-1.5 m	7310 *	7310*	10920 *	10920 *	10470*	6350	6870	4080	4840	2900			2950*	2310	8.69
-3.0 m	9960 *	9960*	14670 *	12860	10020*	6420	690	4120	4910 *	2970			3720*	2740	7.85
-4.5 m	14280 *	14280*	12330 *	12330 *	8610*	6630	6120 *	4350					4940*	3670	6.58

* Hydraulic capacity 87%

Standard Equipment

ENGINE

Isuzu 4-cylinder turbodiesel in line
 Certified Tier 4 interim (CEGR)
 Electronic fuel injection
 High pressure common rail system
 Variable geometry turbo charger
 Cooled Exhaust Gas Recirculation (CEGR)
 Diesel Particulate Diffuser (DPD)
 Neutral safety start
 Auto-engine warm up, emergency stop
 Glow-plug pre-heat
 Idle System:
 Auto-idle
 One-touch idle
 Idle shut-down
 EPF (Engine Protection Feature)
 Dual-stage fuel filtration
 Dual element air filter
 Remote oil filter
 Green plug oil drain
 500-hour engine oil change interval
 Refuelling Pump
ONLY FOR CX235C SR
 (Diesel Oxidation Catalyst DOC + Diesel Particulate Filter DPF)
HYDRAULICS
 Auto power boost
 Auto swing priority
 Auto travel speed change
 Selectable work modes

Overload warning device
 SWC - SWING RELIEF CONTROL
 SSC - SPOOL STROKE CONTROL
 BEC - BOOM ECONOMY CONTROL
 AEC - AUTO ECONOMY CONTROL
 SEC - SWING ECONOMY CONTROL
 ISO pattern controls
 Pre-set auxiliary pump settings
 Switch controlled auxiliary selection
 Auxiliary valve
 Auxiliary pipe brackets
 5,000 hour hydraulic oil change interval
 1,000 hour hydraulic filter change interval
 Hydraulic track adjustment
 SAHR brake
ONLY FOR CX235C SR
 10 x auxiliary flow settings in memory
UPPERSTRUCTURE
 Common key vandal locks
 Swivel guard belly pan
 Rear view safety camera
ONLY FOR CX145C SR
 Isolation mounted cab (fluid and spring)
ONLY FOR CX235C SR
 4-point isolation mounted cab (fluid and spring)
ATTACHMENT
 Bucket linkage with hook
 Boom mounted work light (70 watt)

Auxiliary pipe brackets
 Centralized lube bank
 Attachment cushion valve
 Arm and boom regeneration
ONLY FOR CX145C SR
 Standard boom 4.63 m
 Arm 2.50 m
 Arm and boom hose burst check valves
ONLY FOR CX235C SR
 Standard boom 5.70 m
 Arm 2.40 m HD
 EMS bushings
 Safety valves on boom and arm cylinders with overload warning device
OPERATOR STATION
 ROPS/FOPS level 1 cab
 FOPS guard OPG level II on cab roof
 Pressurized cab
 Tempered safety glass
 One-touch lock front window
 Sun visor & rain deflector
 AC/heat/defrost w/ auto climate control
 Cup holder & ashtray
 Interior dome light
 Cloth covered air-suspension seat
 Seat-belt
 Adjustable armrests
 Low-effort controls (short)
 Radio mute switch on control lever
 2 speakers for radio

Controls pre-wired for auxiliary
 Auxiliary select system
 Straight travel
 Aux-in port for personal electronics
 Multifunction color monitor
 Rear-view camera
 Anti-theft system (start code system)
 Rubber floormat
 12-volt electric socket
 24-volt cigarette lighter
 One-piece right hand window
 2 internal & 3 external view mirrors
 2 working lights (boom & upperstructure)
 2 cab top working lights
 Windshield wiper / washer
 Clear (Lexan) roof window w/ sunshade
 Storage compartments
 On-board diagnostic system
ONLY FOR CX145C SR
 Travel alarm with cancel switch
ONLY FOR CX235C SR
 Interior dome light (10 W)
 Sliding cockpit (100 mm)
 Beacon harness
UNDERCARRIAGE
 600 mm steel shoes, triple semigrouser
 Strutted and sealed link
 Full overlap turntable bearing tub
 Single track guide

Options

HYDRAULICS

Auxiliary Hydraulics -
 Single acting pedal activated breaker circuit
 Pedal-activated multifunction circuit w pressure control
 Pedal activated low-flow circuit
ATTACHMENT
 Hydr. or mech quickcoupler

Buckets: Extreme / Heavy duty / GP / ditching
 Hammers, shears, grapples
ONLY FOR CX145C SR
 Arm - 2.10 m / 3 m
ONLY FOR CX235C SR
 Arm - 1.91 m / 2.94 m
OPERATOR STATION
 Front cab guard - vertical bars (OPG level 2)

Front cab guard - vertical bars (OPG level 1)
 Front mesh screen
 AM/FM radio w/ antenna and 2-speakers
 Side-view camera
UPPERSTRUCTURE
 Auto centralized greasing system
 Rubber bumper guard (order through Service Parts)

UNDERCARRIAGE

Steel shoes, triple semi-grouser
ONLY FOR CX235C SR
 700 mm, 800 mm, 900 mm: (swamp)
 600 mm Rubber link tracks
 Triple track guide
ONLY FOR CX145C SR
 500 mm, 600mm, 700mm.
 500mm Rubber link tracks
 Double track guide

Standard and optional equipment shown can vary by country.

Worldwide Case Construction Equipment Contact Information

EUROPE:
 via Plava, 80
 10135 TORINO - ITALIA
AFRICA/MIDDLE EAST/CIS:
 Riva Paradiso 14
 6902 Paradiso - SWITZERLAND
NORTH AMERICA/MEXICO:
 700 State Street
 Racine, WI 53404 U.S.A.
LATIN AMERICA:
 Av. General David Sarnoff 2237
 32210 - 900 Contagem - MG
 Belo Horizonte BRAZIL
ASIA PACIFIC:
 Unit 1 - 1 Foundation Place - Prospect
 New South Wales - 2148 AUSTRALIA
CHINA:
 No. 29, Industrial Premises, No. 376.
 De Bao Road, Waigaoqiao Ftz, Pudong,
 SHANGHAI, 200131, P.R.C.

CASE Construction Equipment

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 Field Lane, Auckley, Doncaster,
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CASE Customer Assistance
00800-2273-7373

The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.



NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 98/37/CE **CE**

