

CX D-SERIES

CX250D LC-NLC

ENGINE

Model	ISUZU AQ-4HK1X
Type	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCR system.
Number of cylinders / Displacement (l)	4 / 5,52
Emissions level	Tier 4 final / Eu stage IV
Bore & stroke (mm)	115 x 125
Rated flywheel horse power	
SAE J1349, ISO 9249	132.1 kW / 177 hp at 2000 min ⁻¹
ISO 14396	140 kW / 188 hp at 2000 min ⁻¹
Maximum torque	
SAE J 1349, ISO 9249	621 N·m at 1800 min ⁻¹
ISO 14396	642 N·m at 1800 min ⁻¹

HYDRAULIC SYSTEM

Main pumps	2 variable displacement axial piston pumps with regulating system
Max. oil flow	2 x 234 l/min at 2000 min ⁻¹
Working circuit pressure	
Boom/Arm/Bucket	34.3 MPa - 37.3 MPa with auto power boost
Swing circuit	28.9 MPa
Travel circuit	34.3 MPa
Pilot pump	1 gear pump
Max. oil flow (l/min)	20
Working circuit pressure	3.9 MPa
Boom Cylinders	
Bore	130 mm
Stroke	1335 mm
Arm Cylinder	
Bore	145 mm
Stroke	1660 mm
Bucket Cylinder	
Bore	130 mm
Stroke	1070 mm

SWING

Swing Motor	Fixed displacement axial piston motor
Maximum swing speed	10.6 min ⁻¹
Swing torque	74,900 Nm

PERFORMANCE DATA

		Arm 3.00 m	Arm 2.50 m	Arm 3.52 m
Boom length	mm	5850	5850	5850
Bucket radius	mm	1570	1570	1570
Bucket wrist action	°	175°	175°	175°
A Maximum reach at GRP	mm	10100	9630	10620
B Maximum reach	mm	10280	9820	10790
C Max. digging depth	mm	6900	6400	7420
D Max. digging height	mm	9760	9560	10070
E Max. dumping height	mm	6760	6550	7060
F Min. swing radius	mm	4030	3980	4050

DIGGING FORCE (ISO 6015)

		Arm 3.00 m	Arm 2.50 m	Arm 3.52 m
Arm digging force	kN	120	141	107
with Auto power boost	kN	130	153	116
Bucket digging force	kN	162	162	162
with Auto power boost	kN	176	176	176

FILTERS

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

ELECTRICAL SYSTEM

Voltage	24 V
Alternator	50 Amp
Starter	24 V 5.0 kW
Battery	2X12V 128 Ah/5 HR

UNDERCARRIAGE

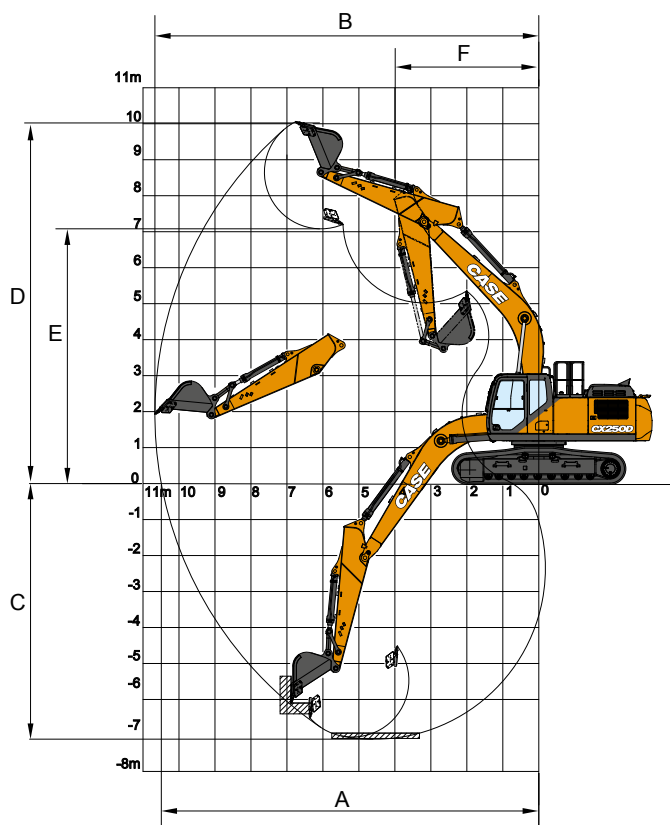
Travel motor	Variable displacement axial piston motor
High travel speed (Automatic travel speed shifting) (km/h)	5.5
Low travel speed (km/h)	3.5
Drawbar pull (kN)	200
Number of carrier rollers (each side)	2
Number of track rollers (each side)	9
Number of shoes (each side)	51
Type of shoes	Triple grouser shoes
Grade ability	70 % (35°)

SOUND LEVEL

External guaranteed sound level (EU Directive 2000/14/EC)	LwA 102 dB(A)
Operator cab sound pressure level (ISO 6396)	LpA 70 dB(A)

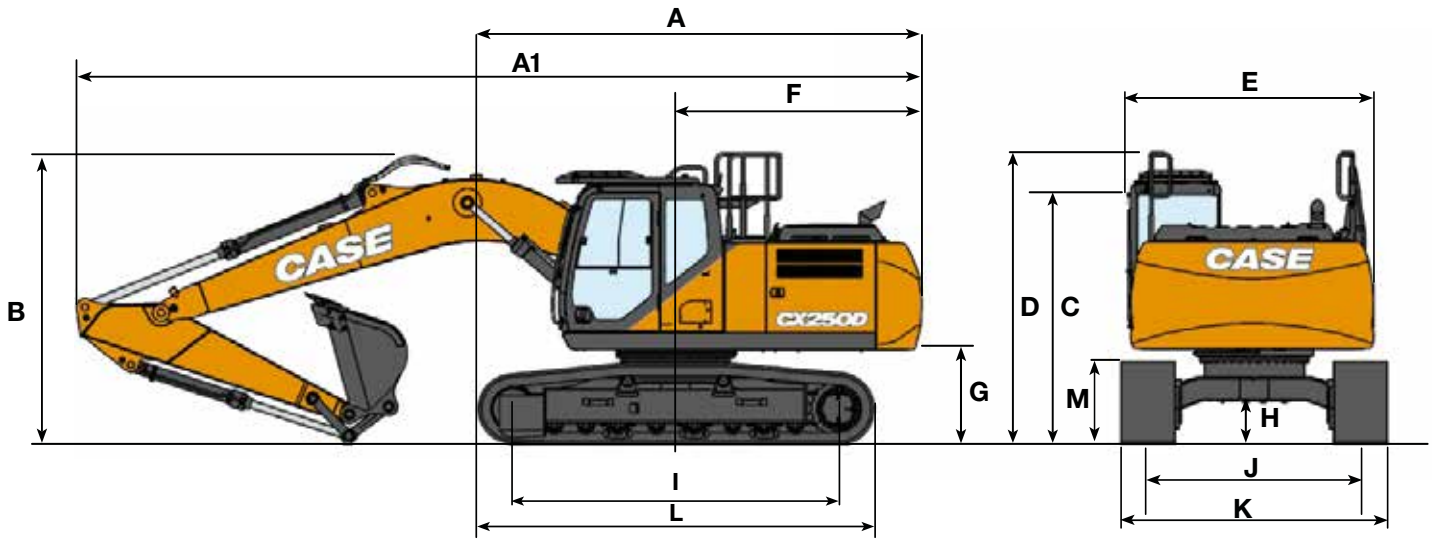
CIRCUIT AND COMPONENT CAPACITIES

Fuel tank	410 l
Hydraulic system	250 l
Hydraulic tank	147 l
Addblue tank	120 l



SPECIFICATIONS

GENERAL DIMENSIONS



		Arm 3.00 m	HD arm 2.50 m	Arm 3.52 m
A	Overall length (without attachment)	mm	5270	5270
A1	Overall length (with attachment)	mm	9880	9910
B	Overall height (to top of boom)	mm	3200	3360
C	Cab height	mm	3130	3130
D	Overall height (to top of guardrail)	mm	3340	3340
E	Upper structure overall width (LC/NLC)	mm	2770	2770
F	Swing (rear end radius)	mm	2950	2950
G	Clearance height under upper structure	mm	1100	1100
H	Minimum ground clearance	mm	440	440
I	Wheel base (Center to center of wheels)	mm	3840	3840
L	Crawler overall length	mm	4650	4650
M	Crawler tracks height	mm	940	940
J	Track gauge (LC/NLC)	mm	2590 / 2390	2590 / 2390
K	Undercarriage overall width (LC/NLC with 600 mm shoes)	mm	3190 / 2990	3190 / 2990

WEIGHT AND GROUND PRESSURE

With 3.00 m Arm, 1.1 m³ bucket, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

LC	Weight	Ground pressure
600 mm grouser shoes	25.400 kg	0.050 MPa
700 mm grouser shoes	25.700 kg	0.044 MPa
800 mm grouser shoes	26.000 kg	0.039 MPa
900 mm grouser shoes	26.400 kg	0.035 MPa

NLC	Weight	Ground pressure
600 mm grouser shoes	25.300 kg	0.050 MPa
700 mm grouser shoes	25.600 kg	0.043 MPa

Counterweight 5.220 kg

LIFTING CAPACITY

CX250D LC-NLC

Front Side	REACH					m				
	2.0 m	4.0 m	6.0 m	8.0 m	At max reach					
										

LC UNDERCARRIAGE - Standard arm 3.00 m, 600 mm shoes, max reach 8.71 m

8.0 m					5560*	5560*			4700*	4700*	6.17
6.0 m									4200*	4200*	7.67
4.0 m					7600*	6790	6290	4360	4120*	3980	8.45
2.0 m			14220*	11460	9140*	6360	6120	4200	4320*	3700	8.71
0 m			16030*	10880	9150	6050	5980	4070	4850*	3750	8.5
-2.0 m	10350*	10350*	15580*	10820	9040	5950			6000*	4220	7.77
-4.0 m	19880*	19880*	13140*	11070	8620*	6100			7770*	5660	6.37

LC UNDERCARRIAGE - Short arm 2.50 m, 600 mm shoes, max reach 8.25 m

8.0 m									6920*	6920*	5.5
6.0 m					7100*	7020			6070*	5260	7.14
4.0 m			11180*	11180*	8120*	6700			5950*	4320	7.97
2.0 m					9420	6290	6090	4180	5820	4000	8.24
0 m			14210*	10840	9130	6030	6000	4090	5980	4080	8.02
-2.0 m	10880*	10880*	15100*	10880	9080	5980			6910	4680	7.25
-4.0 m			11990*	11220					8000*	6670	5.72

LC UNDERCARRIAGE - Long arm 3.52 m, 600 mm shoes, max reach 9.21 m

8.0 m									3740*	3740*	6.87
6.0 m							4500*	4480	3370*	3370*	8.24
4.0 m					6980*	6870	6270*	4380	3300*	3300*	8.97
2.0 m			13130*	11660	8630*	6390	6110	4190	3440*	3370	9.21
0 m			15640*	10860	9140	6020	5940	4030	3810*	3400	9.01
-2.0 m	9280*	9280*	15790*	10690	8960	5870	5880	3970	4580*	3770	8.34
-4.0 m	16710*	16710*	13980*	10860	9040	5940			6460*	4820	7.05

NLC UNDERCARRIAGE - Standard arm 3.00 m, 600 mm shoes, max reach 8.71 m

8.0 m					5560*	5560*			4700*	4700*	6.17
6.0 m									4200*	4200*	7.67
4.0 m					7600*	6240	6270	4010	4120*	3650	8.45
2.0 m			14220*	10330	9140*	5820	6100	3850	4320*	3390	8.71
0 m			16030*	9770	9130	5510	5960	3730	4850*	3430	8.5
-2.0 m	10350*	10350*	15580*	9720	9010	5420			6000	3860	7.77
-4.0 m	19880*	19880*	13140*	9960	8620	5570			7770*	5170	6.37

NLC UNDERCARRIAGE - Short arm 2.50 m, 600 mm shoes, max reach 8.25 m

8.0 m									6920*	6920*	5.5
6.0 m					7100*	6470			6070*	4840	7.14
4.0 m			11180*	11180*	8120*	6150			5950*	3970	7.97
2.0 m					9400	5750	6070	3830	5800	3660	8.24
0 m			14210*	9740	9100	5490	5980	3740	5960	3730	8.02
-2.0 m	10880*	10880*	15100*	9780	9050	5450			6890	4280	7.25
-4.0 m			11990*	10100					8000*	6090	5.72

NLC UNDERCARRIAGE - Long arm 3.52 m, 600 mm shoes, max reach 9.21 m

8.0 m									3740*	3740*	6.87
6.0 m							4500*	4120	3370*	3370*	8.24
4.0 m					6980*	6310	6270*	4020	3300*	3300*	8.97
2.0 m			13130*	10520	8630*	5850	6100	3840	3440*	3080	9.21
0 m			15640*	9760	9110	5490	5920	3680	3810*	3110	9.01
-2.0 m	9280*	9280*	15790*	9590	8930	5330	5860	3630	4580*	3440	8.34
-4.0 m	16710*	16710*	13980*	9750	9020	5410			6460*	4410	7.05

* The above loads (kg) are compliant to the ISO standards and refer to the excavator equipped without bucket. The indicated loads are no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk (*) are limited by the hydraulic lifting capacity.