

CRAWLER EXCAVATORS

CX210E-S



ENGINE

Model _____ FPT NEF6 (F4HGE613Z*V)
 Type _____ Water-cooled, 4-cycle diesel, 6-cylinder
 in line, High pressure common rail system (electric control),
 Turbocharger with air cooled intercooler, SCRof, EGR free.
 Number of cylinders / Displacement (l) _____ 6 / 6.7
 Emissions level _____ Stage V
 Bore and stroke (mm) _____ 104 x 132

Rated flywheel horse power

ISO 9249 (kW) _____ 120.4 at 1800 min⁻¹ (rpm)
 ISO 14396 (kW) _____ 124.0 at 1800 min⁻¹ (rpm)

Maximum torque

ISO 9249 (Nm) _____ 644 at 1600 min⁻¹ (rpm)
 ISO 14396 (Nm) _____ 657 at 1600 min⁻¹ (rpm)

HYDRAULIC SYSTEM

Main pumps _____ 2 variable displacement
 axial piston pumps with regulating system
 Max. oil flow (l/min) _____ 2 x 211 at 1800 min⁻¹

Working circuit pressure

Boom/Arm/Bucket (MPa) _____ 34.3 - 37.3 with auto power boost
 Swing circuit (MPa) _____ 29.4
 Travel circuit (MPa) _____ 34.3
 Pilot pump (l/min) _____ 18
 Working circuit pressure (MPa) _____ 3.9

Boom cylinders

Bore (mm) _____ 120
 Stroke (mm) _____ 1255

Arm cylinder

Bore (mm) _____ 140
 Stroke (mm) _____ 1460

Bucket cylinder

Bore (mm) _____ 120
 Stroke (mm) _____ 1010

SWING

Swing motor _____ Fixed displacement axial piston motor
 Maximum swing speed (min⁻¹) _____ 11.5
 Swing torque (kNm) _____ 64

FILTERS

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

ELECTRICAL SYSTEM

Voltage (V) _____ 24
 Alternator (Amp) _____ 90
 Starter (V - kW) _____ 24 - 4.0
 Battery _____ 2 x 12 V 110 Ah - 880 ACC

UNDERCARRIAGE

Travel motor _____ Variable displacement axial piston motor
 High travel speed (Automatic travel speed shifting) (km/h) _____ 5.6
 Low travel speed (km/h) _____ 3.4
 Drawbar pull (kN) _____ 181
 Number of carrier rollers (each side) _____ 2
 Number of track rollers (each side) _____ 8
 Number of shoes (each side) _____ 49
 Type of shoes _____ Triple grouser shoes
 Gradeability _____ 70% (35°)

NOISE (PRELIMINARY)

External guaranteed sound level
 (EU Directive 2000/14/EC) (dB(A)) _____ LwA 100
 Operator cab sound pressure level
 (ISO 6396) (dB(A)) _____ LpA 68

CIRCUIT AND COMPONENT CAPACITIES

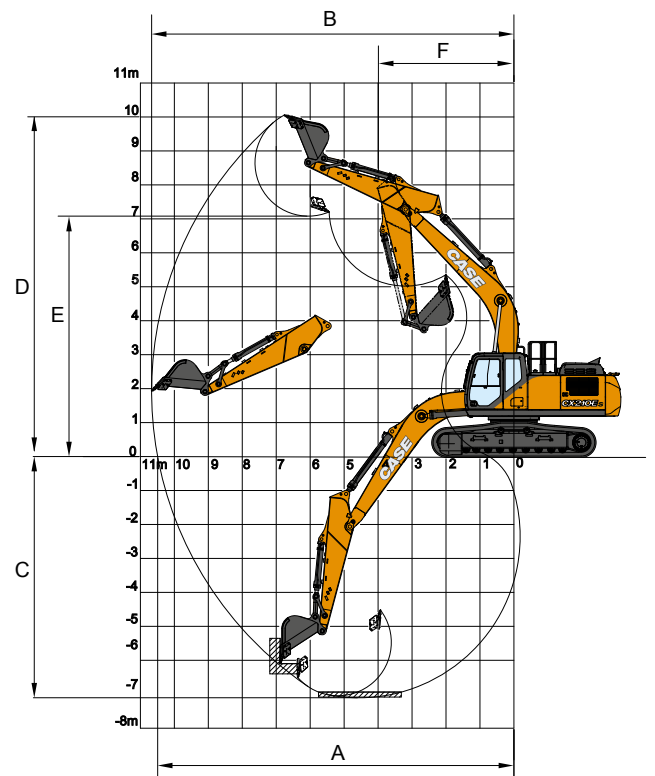
Fuel tank (l) _____ 410
 Hydraulic system (l) _____ 280
 Hydraulic tank (l) _____ 162
 AdBlue tank (l) _____ 84

PERFORMANCE DATA

		Arm 2.94 m
Boom length	mm	5700
Bucket radius	mm	1450
Bucket wrist action	°	177
A Maximum reach at GRP	mm	9730
B Maximum reach	mm	9900
C Max. digging depth	mm	6640
D Max. digging height	mm	9610
E Max. dumping height	mm	6810
F Min. swing radius	mm	3660

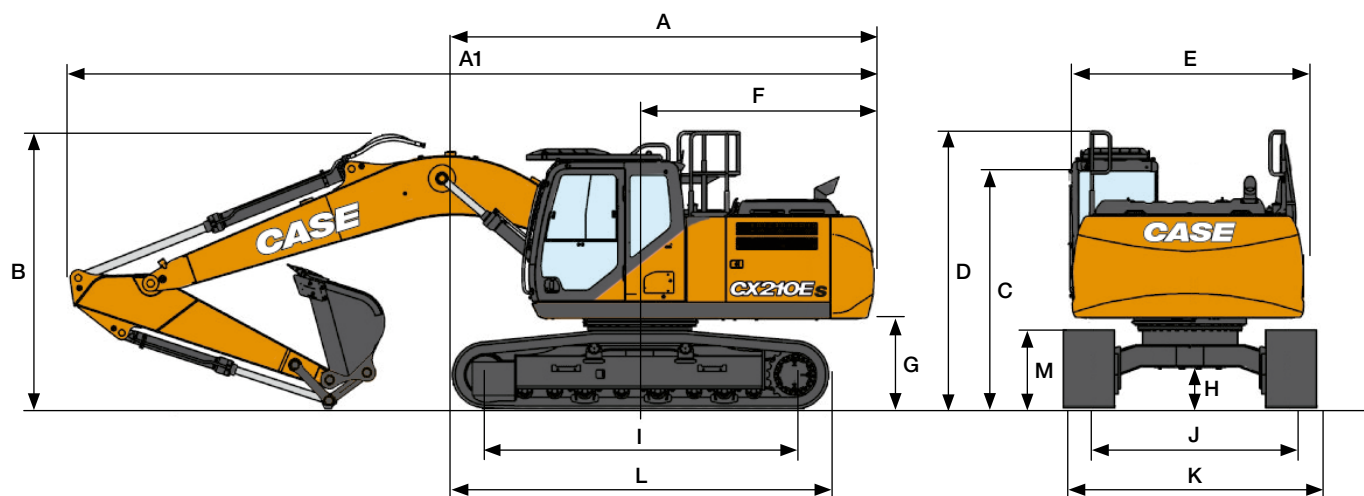
DIGGING FORCE (ISO 6015)

		Arm 2.94 m
Arm digging force	kN	103
with auto power boost	kN	112
Bucket digging force	kN	142
with auto power boost	kN	154



SPECIFICATIONS

CX210E-S LC MONO



GENERAL DIMENSIONS		Arm 2.94 m
A Overall length (without attachment)	mm	5050
A1 Overall length (with attachment)	mm	9470
B Overall height (to top of boom)	mm	2980
C Cab height	mm	3070
D Overall height (to top of guardrail)	mm	3155
E Upper structure overall width	mm	2760
F Swing (rear end radius)	mm	2830
G Clearance height under upper structure	mm	1040
G Minimum ground clearance	mm	440
I Wheel base (center to center of wheels)	mm	3660
J Track gauge	mm	2390
K Undercarriage overall width (with 600 mm HD shoes)	mm	2990
L Crawler overall length	mm	4470
M Crawler tracks height	mm	920

WEIGHT AND GROUND PRESSURE

With 2.94 m arm, 1.08 m³ HD bucket, operator, lubricant, coolant, full fuel tank, FOPS protection level 2 and standard counterweight.

	WEIGHT	GROUND PRESSURE
600 mm HD grouser shoes	22240 kg	0.046 MPa
700 mm grouser shoes	22540 kg	0.040 MPa

STD Counterweight: 3800 kg
HEAVY Counterweight: 3800 kg + 500 kg

LIFTING CAPACITY

CX210E-S LC MONO

REACH												
Front		2.0 m		4.0 m		6.0 m		8.0 m		At max reach		
Side												m
LC UNDERCARRIAGE - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m												
8.0 m										4060*	4060*	5.72
6.0 m						4780*	4780*			3595*	3595*	7.33
4.0 m				7190*	7190*	5540*	5015	4535*	3115	3540*	3000	8.16
2.0 m				10360*	8350	6690*	4630	4725	2990	3740*	2735	8.45
0 m				11925*	7780	7085	4340	4610	2885	4265*	2760	8.25
-2.0 m	9230*	9230*		11725*	7730	6990	4255			5030	3140	7.53
-4.0 m	16490*	16490*		9900*	7985	6290*	4430			6125*	4355	6.09
LC UNDERCARRIAGE - HEAVY COUNTERWEIGHT - Standard arm 2.94 m, 600 mm shoes, max reach 8.45 m												
8.0 m										4060*	4060*	5.72
6.0 m						4780*	4780*			3595*	3595*	7.33
4.0 m				7190*	7190*	5540*	5315	4535*	3330	3540*	3210	8.16
2.0 m				10360*	8870	6690*	4930	4990	3200	3740*	2935	8.45
0 m				11925*	8300	7475	4640	4870	3095	4265*	2965	8.25
-2.0 m	9230*	9230*		11725*	8250	7380	4555			5315	3365	7.53
-4.0 m	16490*	16490*		9900*	8505	6290*	4730			6125*	4650	6.09

* 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.

HAMMER

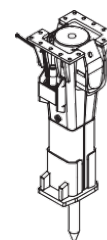
CX210E-S LC MONO

DIRECT FIT

Model	Install weight kg	Reference machine setting		Arm 2.94 m
		Flow l/min	Relief pressure MPa	
CB BREAKER				
CB240S	1150	115	19-21	□
CB290S	1500	145	21-22	□

□ Applicable
— Not applicable

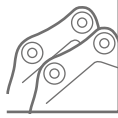
□ Applicable with condition
(only light duty works as residential construction or utilities maintenance)



BUCKETS

CX210E-S LC MONO

LC DIRECT FIT



Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.94 m
HEAVY DUTY BUCKETS			
0.45	600	560	○
0.60	750	640	○
0.76	900	730	○
0.85	1000	760	○
0.92	1050	800	○
0.96	1100	830	○
1.08	1200	880	●
1.24	1350	970	▲
1.40	1500	1040	■

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.94 m
ROCK BUCKETS			
0.44	600	710	○
0.59	750	800	○
0.75	900	880	○
0.85	1000	940	○
0.91	1050	980	○
0.96	1100	1010	●
1.07	1200	1060	▲
1.23	1350	1150	■

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.94 m
DITCH CLEANING BUCKETS			
0.86	1830	650	○
0.94	2130	710	○

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.94 m
GRADING BUCKETS			
0.97	1800	680	○
1.17	2100	740	●
1.35	2400	830	▲

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight* kg	Arm 2.94 m
90° TILT DITCH CLEANING BUCKETS**			
0.68	1800	770	○
0.76	2000	810	○
0.83	2200	880	○
0.91	2400	920	●
0.95	2500	950	●

LC QUICK COUPLED



Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.94 m
HEAVY DUTY BUCKETS			
0.45	600	560	○
0.60	750	640	○
0.76	900	730	○
0.85	1000	760	○
0.92	1050	800	●
0.96	1100	830	●
1.08	1200	880	▲
1.24	1350	970	■
1.40	1500	1040	—

Capacity m ³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.94 m
ROCK BUCKETS			
0.44	600	710	○
0.59	750	800	○
0.75	900	880	○
0.85	1000	940	●
0.91	1050	980	●
0.96	1100	1010	▲
1.07	1200	1060	■
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0.97	1800	680	●
1.17	2100	740	▲
1.35	2400	830	■

- Rated material density up to 2 ton/m³
- Rated material density up to 1.6 ton/m³
- ▲ Rated material density up to 1.4 ton/m³
- Rated material density up to 1.2 ton/m³

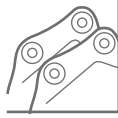
— Not applicable

* with bolt-on edge

**Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit

BUCKETS

CX210E-S LC - HEAVY COUNTERWEIGHT



LC DIRECT FIT

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- ▲ Rated material density up to 1.4 ton/m³
- Rated material density up to 1.2 ton/m³

— Not applicable

* with bolt-on edge

**Tilt angle 45° L/R Connect to Low-Flow Auxiliary Hydraulic Circuit

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Conforms to directive 2006/42/EC

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