SINCE 1842

CASE CONSTRUCTION

E-SERIES

CRAWLER EXCAVATORS



CX250E | CX300E

SPECIFICATIONS
CX250E

ENGINE
Model _____ FPT NEF6 (F4HGE613P*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) _____ 133.4 at 2000 min^{-1} (rpm)
ISO 14396 (kW) _____ 138.0 at 2000 min^{-1} (rpm)
Maximum torque
ISO 9249 (Nm) _____ 642 at 1800 min^{-1} (rpm)
ISO 14396 (Nm) _____ 659 at 1800 min^{-1} (rpm)

HYDRAULIC SYSTEM
Main pumps _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow (l/min) _____ 2 x 234 at 2000 min^{-1}
Working circuit pressure
Boom/Arm/Bucket (MPa) _____ 34.3 - 37.3 with auto power boost
Swing circuit (LC/NLC) (MPa) _____ 28.9
Swing circuit (LR) (MPa) _____ 27.0
Travel circuit (MPa) _____ 34.3
Pilot pump _____ 1 gear pump
Max. oil flow (l/min) _____ 20
Working circuit pressure (MPa) _____ 3.9
Boom cylinders
Bore (mm) _____ 130
Stroke (mm) _____ 1335
Arm cylinder
Bore (LC/NLC) (mm) _____ 145
Bore (LR) (mm) _____ 150
Stroke (LC/NLC) (mm) _____ 1660
Stroke (LR) (mm) _____ 1737
Bucket cylinder
Bore (LC/NLC) (mm) _____ 130
Bore (LR) (mm) _____ 95
Stroke (LC/NLC) (mm) _____ 1070
Stroke (LR) (mm) _____ 881

SWING
Swing motor _____ Fixed displacement axial piston motor
Maximum swing speed (LC/NLC) (min^{-1}) _____ 7.6
Maximum swing speed (LR) (min^{-1}) _____ 5.4
Swing torque (LC/NLC) (kNm) _____ 74.9
Swing torque (LR) (kNm) _____ 69.9

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 92 Ah/5HR

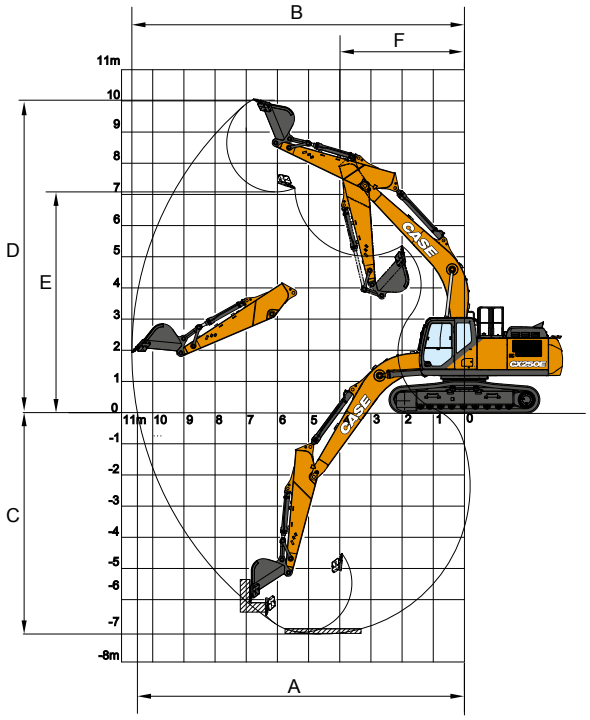
UNDERCARRIAGE
Travel motor _____ Variable displacement axial piston motor
High travel speed
(Automatic travel speed shifting) (km/h) _____ 5.5
Low travel speed (km/h) _____ 3.5
Drawbar pull (kN) _____ 201
Number of carrier rollers (each side) _____ 2
Number of track rollers (each side) _____ 9
Number of shoes (each side) _____ 51
Type of shoes _____ Triple grouser shoes
Gradeability _____ 70% (35°)

NOISE
External guaranteed sound level
(EU Directive 2000/14/EC) (dB(A)) _____ LwA 101
Operator cab sound pressure level (ISO 6396) (dB(A)) __ LpA 67

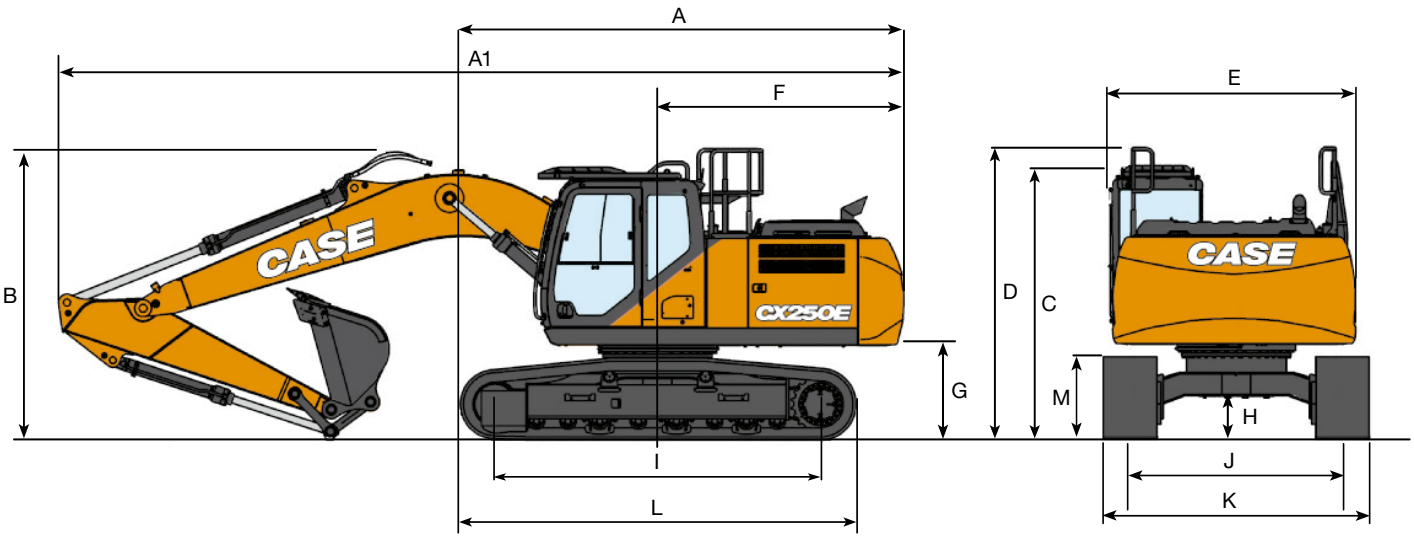
CIRCUIT AND COMPONENT CAPACITIES
Fuel tank (l) _____ 410
Hydraulic system (l) _____ 290
Hydraulic tank (l) _____ 162
AdBlue tank (l) _____ 84

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



SPECIFICATIONS
CX250E LC-NLC



GENERAL DIMENSIONS		Arm 3.00 m	HD arm 2.50 m	Arm 3.52 m
A Overall length (without attachment)	mm	5320	5320	5320
A1 Overall length (with attachment)	mm	9930	10000	9960
B Overall height (to top of boom)	mm	3210	3380	3380
C Cab height	mm	3130	3130	3130
D Overall height (to top of guardrail)	mm	3220	3220	3220
E Upper structure overall width (LC/NLC)	mm	2770	2770	2770
F Swing (rear end radius)	mm	2990	2990	2990
G Clearance height under upper structure	mm	1110	1110	1110
H Minimum ground clearance	mm	440	440	440
I Wheel base (center to center of wheels)	mm	3840	3840	3840
J Track gauge (LC/NLC)	mm	2590 / 2390	2590 / 2390	2590 / 2390
K Undercarriage overall width (LC/NLC with 600 mm shoes)	mm	3190 / 2990	3190 / 2990	3190 / 2990
L Crawler overall length	mm	4650	4650	4650
M Crawler tracks height	mm	940	940	940

WEIGHT AND GROUND PRESSURE

With 3.00 m arm, 1.1 m^3 bucket, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

LC	Weight	Ground pressure
600 mm grouser shoes	25300 kg	0.050 MPa
700 mm grouser shoes	25600 kg	0.044 MPa
800 mm grouser shoes	25900 kg	0.039 MPa
900 mm grouser shoes	26300 kg	0.035 MPa

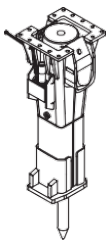
NLC	Weight	Ground pressure
600 mm grouser shoes	25200 kg	0.050 MPa
700 mm grouser shoes	25500 kg	0.043 MPa

Counterweight: 5050 kg

HAMMER
CX250E

DIRECT FIT

Model	Install Weight kg	Reference machine settings		Arm 2.50 m	Arm 3.00 m	Arm 3.52 m
		Flow l/min	Relief Pressure Mpa			
CB BREAKER						
CB290S	1500	145	21-22	☐	☐	☐
CB370S	1800	160	19-21	□	□	—



☐ Applicable
— Not applicable

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

LIFTING CAPACITY
CX250E LC-NLC

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

REACH	2.0 m		4.0 m		6.0 m		8.0 m		At max reach		
Front / Side											m
8.0 m					5570*	5570*			4710*	4710*	6.17
6.0 m									4210*	4210*	7.67
4.0 m					7600*	6830	6330	4380	4140*	4000	8.45
2.0 m			14230*	11510	9150*	6400	6160	4230	4330*	3720	8.71
0 m			16040*	10940	9210	6090	6020	4100	4870*	3780	8.5
-2.0 m	10360*	10360*	15590*	10880	9100	5990			6020*	4260	7.77
-4.0 m	19900*	19900*	13160*	11140	8640*	6150			7790*	5700	6.37

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

8.0 m									6920*	6920*	5.50
6.0 m					7100*	7050			6070*	5290	7.14
4.0 m			11180*	11180*	8120*	6730			5950*	4350	7.97
2.0 m					9480	6330	6130	4200	5860	4020	8.24
0 m			14210*	10900	9190	6070	6040	4120	6020	4110	8.02
-2.0 m	10890*	10890*	15110*	10950	9140	6020			6960	4710	7.25
-4.0 m			12010*	11290					8010*	6720	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							4510*	4500	3380*	3380*	8.24
4.0 m					6990*	6900	6280*	4400	3310*	3310*	8.97
2.0 m			13140*	11720	8640*	6430	6150	4220	3440*	3390	9.21
0 m			15660*	10930	9190	6060	5980	4050	3820*	3430	9.01
-2.0 m	9280*	9280*	15810*	10760	9020	5910	5920	4000	4590*	3800	8.34
-4.0 m	16710*	16710*	14000*	10930	9110	5980			6480*	4860	7.05

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

8.0 m					5570*	5570*			4710*	4710*	6.17
6.0 m									4210*	4210*	7.67
4.0 m					7600*	6280	6310	4030	4140*	3680	8.45
2.0 m			14230*	10390	9150*	5850	6140	3880	4330*	3420	8.71
0 m			16040*	9830	9180	5550	6000	3750	4870*	3460	8.50
-2.0 m	10360*	10360*	15590*	9780	9070	5450			6020*	3890	7.77
-4.0 m	19900*	19900*	13160*	10020	8640*	5610			7790*	5210	6.37

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

8.0 m									6920*	6920*	5.50
6.0 m					7100*	6490			6070*	4870	7.14
4.0 m			11180*	11180*	8120*	6180			5950*	4000	7.97
2.0 m					9450	5790	6110	3860	5840	3690	8.24
0 m			14210*	9800	9160	5530	6020	3770	6000	3760	8.02
-2.0 m	10890*	10890*	15110*	9850	9110	5490			6940	4310	7.25
-4.0 m			12010*	10170					8010*	6130	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							4510*	4150	3380*	3380*	8.24
4.0 m					6990*	6340	6280*	4050	3310*	3310*	8.97
2.0 m			13140*	10580	8640*	5890	6130	3870	3440*	3110	9.21
0 m			15660*	9820	9170	5530	5960	3710	3820*	3140	9.01
-2.0 m	9280*	9280*	15810*	9650	8990	5370	5900	3660	4590*	3470	8.34
-4.0 m	16710*	16710*	14000*	9820	9080	5450			6480*	4440	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.

BUCKETS
CX250E LC-NLC

LC DIRECT FIT

Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.50 m	Arm 3.00 m	Arm 3.52 m
HEAVY DUTY BUCKETS					
0.50	600	660	○	○	○
0.67	750	750	○	○	○
0.85	900	920	○	○	○
1.10	1100	1020	○	○	○
1.22	1200	1050	○	○	●
1.40	1350	1120	○	●	▲
1.61	1500	1200	●	▲	■
1.70	1600	1280	▲	■	-
ROCK BUCKETS					
0.49	600	870	○	○	○
0.66	750	960	○	○	○
0.84	900	1080	○	○	○
0.96	1000	1140	○	○	○
1.02	1050	1170	○	○	●
1.20	1200	1280	○	●	▲
1.39	1350	1360	●	▲	■
1.58	1500	1460	▲	■	-
GRADING BUCKETS					
1.38	1800	890*	○	●	▲
1.64	2100	980*	●	▲	■
1.90	2400	1090*	▲	■	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	○	●
1.48	2130	1020*	○	●	▲
TILTABLE DITCH CLEANING BUCKETS					
1.13	1800	1100*	○	○	●
1.25	2000	1160*	○	●	▲
1.38	2200	1250*	●	▲	■
1.51	2400	1310*	▲	■	-
1.57	2500	1370*	■	■	-

NLC DIRECT FIT

Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.50 m	Arm 3.00 m	Arm 3.52 m
HEAVY DUTY BUCKETS					
0.50	600	660	○	○	○
0.67	750	750	○	○	○
0.85	900	920	○	○	○
1.10	1100	1020	○	○	●
1.22	1200	1050	○	●	▲
1.40	1350	1120	●	▲	■
1.61	1500	1200	▲	■	-
1.70	1600	1280	■	-	-
ROCK BUCKETS					
0.49	600	870	○	○	○
0.66	750	960	○	○	○
0.84	900	1080	○	○	○
0.96	1000	1140	○	○	●
1.02	1050	1170	○	●	▲
1.20	1200	1280	●	▲	■
1.39	1350	1360	▲	■	-
1.58	1500	1460	■	-	-
GRADING BUCKETS					
1.38	1800	890*	○	●	▲
1.64	2100	980*	●	■	■
1.90	2400	1090*	■	-	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	●	●
1.48	2130	1020*	●	▲	■
TILTABLE DITCH CLEANING BUCKETS					
1.13	1800	1100*	○	●	▲
1.25	2000	1160*	●	▲	■
1.38	2200	1250*	▲	■	-
1.51	2400	1310*	■	■	-
1.57	2500	1370*	■	-	-

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

LC QUICK COUPLED

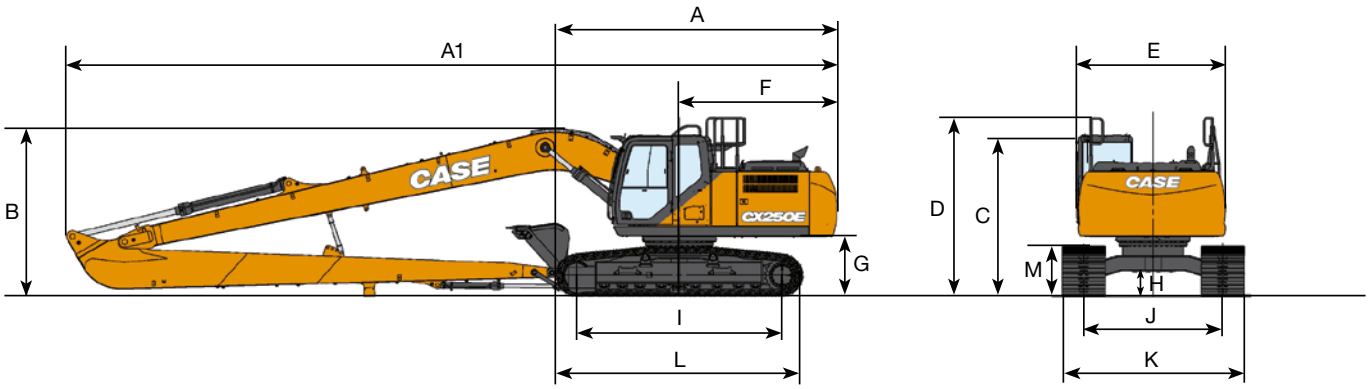
Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.50 m	Arm 3.00 m	Arm 3.52 m
HEAVY DUTY BUCKETS					
0.50	600	660	○	○	○
0.67	750	750	○	○	○
0.85	900	920	○	○	●
1.10	1100	1020	○	●	▲
1.22	1200	1050	●	●	■
1.40	1350	1120	●	■	-
1.61	1500	1200	▲	■	-
1.70	1600	1280	■	-	-
ROCK BUCKETS					
0.49	600	870	○	○	○
0.66	750	960	○	○	○
0.84	900	1080	○	○	●
0.96	1000	1140	○	○	●
1.02	1050	1170	○	●	■
1.20	1200	1280	●	■	-
1.39	1350	1360	▲	■	-
1.58	1500	1460	■	-	-
GRADING BUCKETS					
1.38	1800	890*	●	▲	■
1.64	2100	980*	▲	■	-
1.90	2400	1090*	■	-	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	●	■
1.48	2130	1020*	●	■	-

NLC QUICK COUPLED

Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.50 m	Arm 3.00 m	Arm 3.52 m
HEAVY DUTY BUCKETS					
0.50	600	660	○	○	○
0.67	750	750	○	○	○
0.85	900	920	○	○	●
1.10	1100	1020	●	●	■
1.22	1200	1050	●	■	-
1.40	1350	1120	▲	■	-
1.61	1500	1200	■	-	-
ROCK BUCKETS					
0.49	600	870	○	○	○
0.66	750	960	○	○	○
0.84	900	1080	○	○	●
0.96	1000	1140	○	●	▲
1.02	1050	1170	●	▲	■
1.20	1200	1280	▲	■	-
1.39	1350	1360	■	-	-
GRADING BUCKETS					
1.38	1800	890*	●	■	-
1.64	2100	980*	■	-	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	●	▲	■
1.48	2130	1020*	▲	■	-

○ 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 cutting edge

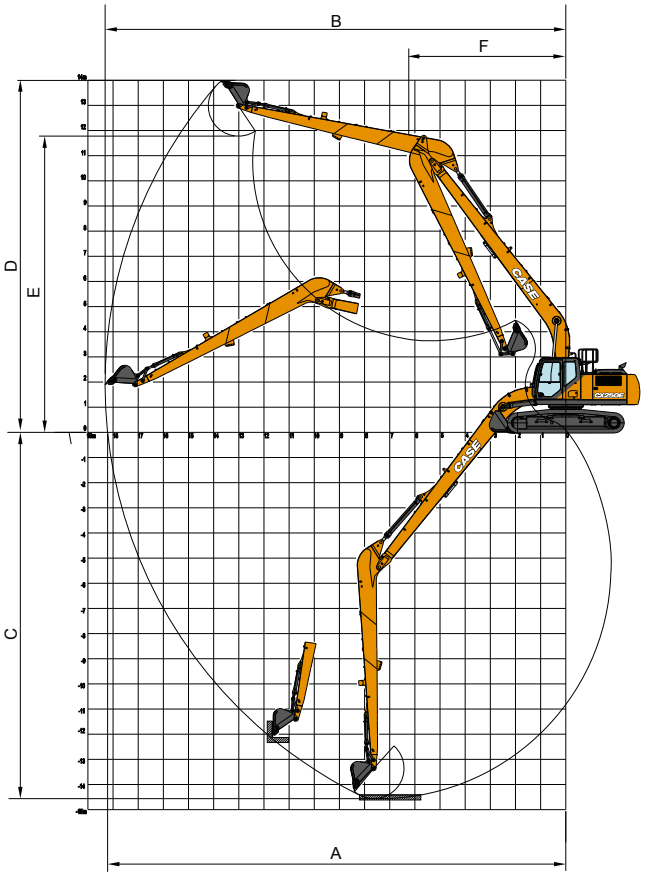
SPECIFICATIONS
CX250E LONG REACH



GENERAL DIMENSIONS			Arm 8.00 m
A	Overall length (without attachment)	mm	5310
A1	Overall length (with attachment)	mm	14460
B	Overall height (to top of boom)	mm	3190
C	Cab height	mm	3130
D	Overall height (to top of handrail)	mm	3220
E	Upper structure overall width	mm	2760
F	Swing (rear end radius)	mm	2990
G	Clearance height under upper structure	mm	1100
H	Minimum ground clearance	mm	440
I	Wheel base (center to center of wheels)	mm	3840
J	Track gauge	mm	2590
K	Undercarriage overall width (with 800 mm shoes)	mm	3390
L	Crawler overall length	mm	4650
M	Crawler tracks height	mm	940

DIGGING FORCE (ISO 6015)		Arm 8.00 m
Arm digging force	kN	40
Bucket digging force	kN	77

PERFORMANCE DATA			Arm 8.00 m
	Boom length	mm	10300
	Bucket radius	mm	1200
	Bucket wrist action	°	178
A	Maximum reach at GRP	mm	18220
B	Maximum reach	mm	18320
C	Max. digging depth	mm	14560
D	Max. digging height	mm	13950
E	Max. dumping height	mm	11780
F	Min. swing radius	mm	6290



WEIGHT AND GROUND PRESSURE

With 8.00 m arm, 0.37 m³ bucket, 800 mm grouser shoes, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

	Weight	Ground pressure
LR	29200 kg	0.043 MPa

Counterweight: 7350 kg

LIFTING CAPACITY
CX250E LONG REACH

REACH																							
Front / Side	0.0 m		2.0 m		4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		14.0 m		16.0 m		At max reach		m		
LC UNDERCARRIAGE - Super long arm 8.00 m, 800 mm shoes, max reach 17.10 m																							
12.0 m																			1730*	1730*	13.79		
10.0 m															1940*	1940*			1680*	1680*	15.06		
8.0 m															1990*	1990*			1680*	1680*	15.98		
6.0 m													2220*	2220	2120*	2120*	2070*	1680	1710*	1520	16.61		
4.0 m											2780*	2780*	2490*	2490	2300*	2120	2180*	1600	1770*	1390	16.98		
2.0 m					4240*	4240*	5510*	5510*	4030*	4030*	3260*	3260*	2800*	2580	2500*	1970	2310*	1510	1880*	1300	17.11		
0 m					2380*	2380*	6760*	6100	4760*	4220	3720*	3100	3100*	2360	2710*	1820	2270	1420	2030*	1260	17.01		
-2.0 m			1520*	1520	2580*	2580*	5520*	5510	5330*	3810	4110*	2830	3370*	2170	2710	1700	2200	1350	2060	1260	16.66		
-4.0 m	2030*	2030*	2240*	2240	3180*	3180*	5540*	5250	5680*	3570	4210	2650	3270	2050	2620	1620	2160	1320	2150	1310	16.06		
-6.0 m	2650*	2650*	3000*	3000	3980*	3980*	6240*	5210	5640	3480	4120	2560	3210	1990	2590	1590			2330	1430	15.17		
-8.0 m	3340*	3340*	3840*	3840	4960*	4960*	7440*	5310	5670	3510	4130	2570	3220	2000					2650	1640	13.94		
-10.0 m			4790*	4790	6200*	6200*	7070*	5540	5330*	3650	4170*	2680	3290*	2110					3180*	2060	12.26		
-12.0 m					7860*	7860*	5900*	5900*	4470*	3920									3430*	2950	9.91		

* 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.

BUCKETS
CX250E LONG REACH

DIRECT FIT



Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 8.00 m
GENERAL PURPOSE BUCKETS			
0.21	450	250	○
0.31	600	290	○
0.41	750	330	○
0.52	900	360	●
GRADING BUCKET			
0.46	1500	440*	▲
DITCH CLEANING BUCKET			
0.54	1830	480*	▲
TILTABLE DITCH CLEANING BUCKET			
0.46	1500	640*	■

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

QUICK COUPLED



Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 8.00 m
GENERAL PURPOSE BUCKETS			
0.21	450	250	○
0.31	600	280	○
0.41	750	310	●
0.52	900	360	▲
DITCH CLEANING BUCKET			
0.54	1830	480*	■

○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³
▲ Rated material density up to 1.4ton/m³
■ Rated material density up to 1.2 ton/m³
— Not applicable
* with bolt-on cutting edge

SPECIFICATIONS
CX300E

ENGINE
Model _____ FPT NEF6 (F4HGE6138*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
Bore and stroke (mm) _____ 115 x 125
Rated flywheel horse power
ISO 9249 (kW) _____ 193.4 at 1900 min^{-1} (rpm)
ISO 14396 (kW) _____ 204 at 1900 min^{-1} (rpm)
Maximum torque
ISO 9249 (Nm) _____ 999 at 1500 min^{-1} (rpm)
ISO 14396 (Nm) _____ 1033 at 1500 min^{-1} (rpm)

HYDRAULIC SYSTEM
Main pumps _____ 2 variable displacement axial piston pumps with regulating system
Max. oil flow (liter/min) _____ 2 x 256 at 1900 min^{-1}
Working circuit pressure
Boom/Arm/Bucket (MPa) _____ 34.3 - 37.3 with auto power boost
Swing circuit (MPa) _____ 30.4
Travel circuit (MPa) _____ 34.3
Pilot pump (liter/min) _____ 27
Working circuit pressure (MPa) _____ 3.9
Boom cylinders
Bore (mm) _____ 140
Stroke (mm) _____ 1369
Arm cylinder
Bore (mm) _____ 150
Stroke (mm) _____ 1650
Bucket cylinder
Bore (mm) _____ 135
Stroke (mm) _____ 1078

SWING
Swing motor _____ Fixed displacement axial piston motor
Maximum swing speed (min^{-1}) _____ 7,5
Swing torque (kNm) _____ 92,1

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 128 Ah/5HR

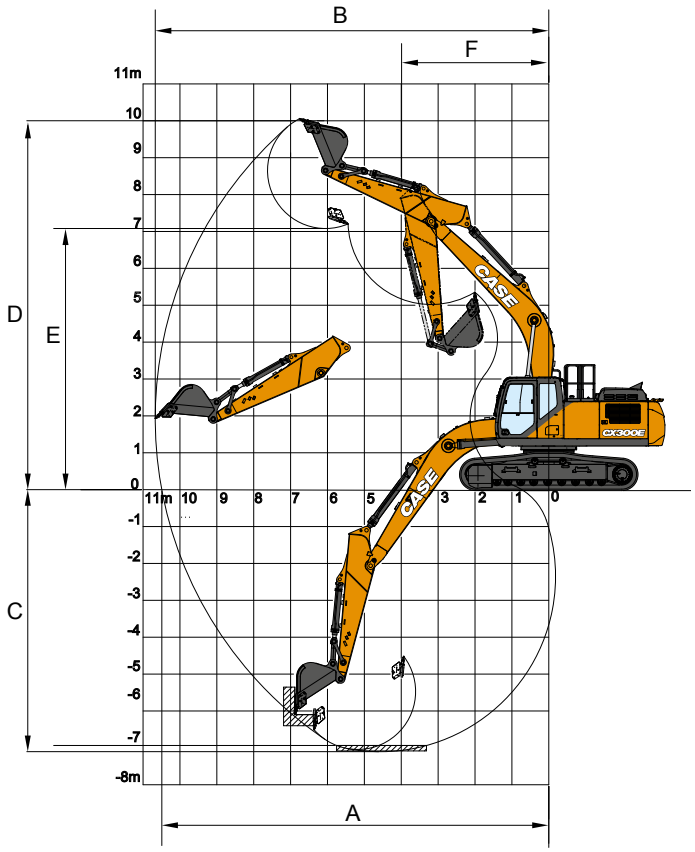
UNDERCARRIAGE
Travel motor _____ Variable displacement axial piston motor
High travel speed
(Automatic travel speed shifting) (km/h) _____ 5.4
Low travel speed (km/h) _____ 3.2
Drawbar pull (kN) _____ 247
Number of carrier rollers (each side) _____ 2
Number of track rollers (each side) _____ 8
Number of shoes (each side) _____ 50
Type of shoes _____ Triple grouser shoes
Gradeability _____ 70% (35°)

NOISE
External guaranteed sound level
(EU Directive 2000/14/EC) (dB(A)) _____ LwA 103
Operator cab sound pressure level
(ISO 6396) (dB(A)) _____ LpA 67

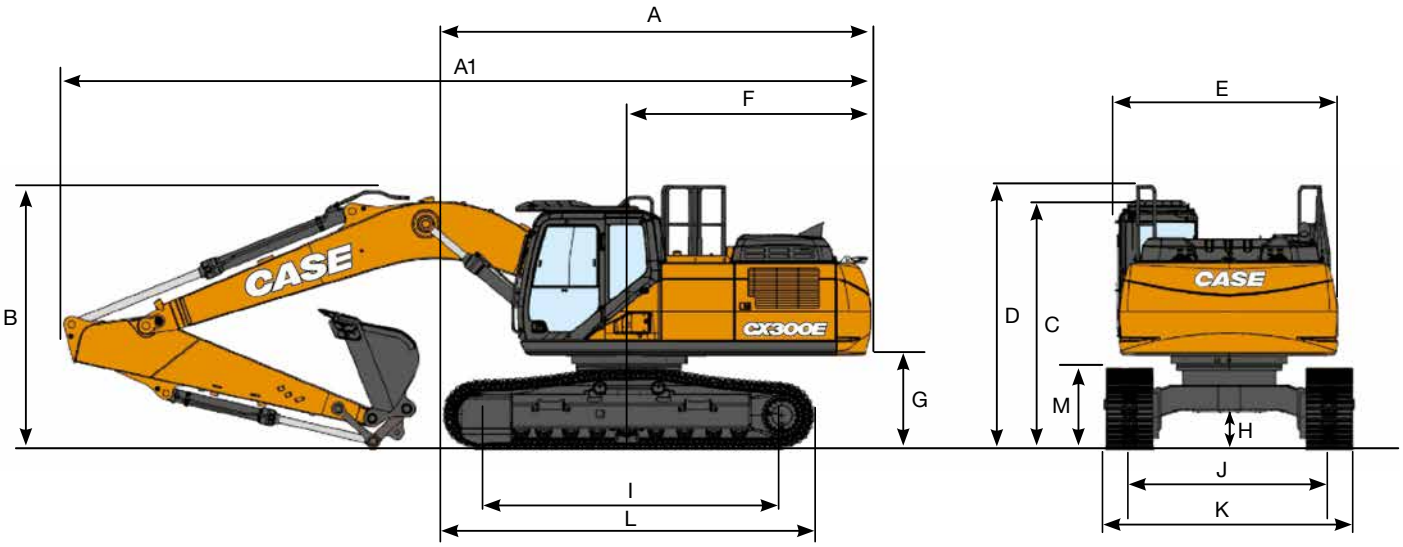
CIRCUIT AND COMPONENT CAPACITIES
Fuel tank (l) _____ 478
Hydraulic system (l) _____ 300
Hydraulic tank (l) _____ 173
AdBlue tank (l) _____ 84

PERFORMANCE DATA		Arm 3.18 m	Arm 2.65 m	Arm 3.66 m
Boom length	mm	6150	6150	6150
Bucket radius	mm	1570	1570	1570
Bucket wrist action		176°	176°	176°
A Maximum reach at GRP	mm	10490	10030	10980
B Maximum reach	mm	10670	10220	11160
C Max. digging depth	mm	7100	6570	7580
D Max. digging height	mm	10050	9930	10390
E Max. dumping height	mm	7080	6930	7390
F Min. swing radius	mm	4030	3980	4080

DIGGING FORCE (ISO 6015)		Arm 3.18 m	Arm 2.65 m	Arm 3.66 m
Arm digging force	kN	128.4	147.0	114.3
with Auto power boost	kN	139.6	159.9	124.3
Bucket digging force	kN	175.0	175.0	175.0
with Auto power boost	kN	190.3	190.3	190.3



SPECIFICATIONS
CX300E LC-NLC



GENERAL DIMENSIONS			Arm 3.18 m	Arm 2.65 m	Arm 3.66 m
A	Overall length (without attachment)	mm	5680	5680	5680
A1	Overall length (with attachment)	mm	10610	10620	10600
B	Overall height (to top of boom)	mm	3330	3320	3420
C	Cab height	mm	3210	3210	3210
D	Overall height (to top of guardrail)	mm	3300	3300	3300
E	Upper structure overall width	mm	2900	2900	2900
F	Swing (rear end radius)	mm	3290	3290	3290
G	Clearance height under upper structure	mm	1190	1190	1190
H	Minimum ground clearance	mm	450	450	450
I	Wheel base (center to center of wheels)	mm	3980	3980	3980
J	Track gauge (LC/NLC)	mm	2600 / 2390	2600 / 2390	2600 / 2390
K	Undercarriage overall width (LC/NLC with 600 mm shoes)	mm	3200 / 2990	3200 / 2990	3200 / 2990
L	Crawler overall length	mm	4850	4850	4850
M	Crawler tracks height	mm	1040	1040	1040

WEIGHT AND GROUND PRESSURE

With 3.18 m arm, 1.1 m^3 bucket, 600 mm grouser shoes, operator, lubricant, coolant, full fuel tank and FOPS protection level 2.

	WEIGHT	GROUND PRESSURE
LC	29700 kg	0.057 MPa
NLC	29600 kg	0.057 MPa

Counterweight: 4900 kg

LIFTING CAPACITY
CX300E LC-NLC

LC UNDERCARRIAGE - Standard arm 3.18 m, 600 mm shoes, max reach 9.10 m

Front / Side	2.0 m		4.0 m		6.0 m		8.0 m		At max reach		m
8.0 m									6090*	6090*	6.72
6.0 m							6320*	5400	5690*	5260	8.12
4.0 m			13360*	13360*	9650*	8140	7760	5270	5740*	4480	8.85
2.0 m			15990*	13630	11420*	7610	7520	5050	6140*	4180	9.10
0 m			13750*	13000	11250	7230	7330	4880	6310	4230	8.89
-2.0 m	9910*	9910*	18240*	12950	11100	7100	7280	4830	7050	4690	8.19
-4.0 m	18660*	18660*	14980*	13200	10300*	7220			8470*	6070	6.85

LC UNDERCARRIAGE - Short arm 2.65 m, 600 mm shoes, max reach 8.65 m

8.0 m					8470*	8470*			7990*	7990*	6.09
6.0 m					8950*	8500			7350*	5810	7.61
4.0 m			14890*	14870	10320*	8080	7740	5260	7170	4880	8.39
2.0 m					11640	7590	7540	5080	6720	4540	8.65
0 m			11810*	11810*	11290	7280	7390	4940	6880	4620	8.42
-2.0 m	10300*	10300*	17500*	13140	11210	7210			7830	5210	7.68
-4.0 m			13580*	13460	9220*	7420			8610*	7060	6.24

LC UNDERCARRIAGE - Long arm 3.66 m, 600 mm shoes, max reach 9.58 m

8.0 m									4880*	4880*	7.37
6.0 m							6540*	5440	4560*	4560*	8.66
4.0 m					9000*	8210	7720*	5270	4570*	4080	9.35
2.0 m			16980*	13830	10890*	7630	7510	5030	4830*	3820	9.58
0 m			14390*	12940	11220	7190	7280	4820	5420*	3850	9.39
-2.0 m	8870*	8870*	18650*	12770	11000	6990	7170	4730	6360	4220	8.73
-4.0 m	15860*	15860*	15990*	12950	10910*	7050			7990	5260	7.49
-6.0 m									8060*	8060*	4.86

NLC UNDERCARRIAGE - Standard arm 3.18 m, 600 mm shoes, max reach 9.10 m

8.0 m									6090*	6090*	6.72
6.0 m							6320*	4960	5690*	4840	8.12
4.0 m			13360*	13360*	9650*	7460	7740	4840	5740*	4110	8.85
2.0 m			15990*	12240	11420*	6940	7510	4630	6140*	3820	9.10
0 m			13750*	11630	11230	6570	7320	4450	6290	3860	8.89
-2.0 m	9910*	9910*	18240*	11580	11080	6440	7270	4410	7040	4280	8.19
-4.0 m	18660*	18660*	14980*	11820	10300*	6560			8470*	5530	6.85

NLC UNDERCARRIAGE - Short arm 2.65 m. 600 mm shoes. max reach 8.65 m

8.0 m					8470*	7880			7990*	7680	6.09
6.0 m					8950*	7810			7350*	5350	7.61
4.0 m			14890*	13430	10320*	7400	7720	4830	7160	4480	8.39
2.0 m					11620	6920	7530	4650	6700	4160	8.65
0 m			11810*	11710	11270	6620	7380	4520	6860	4230	8.42
-2.0 m	10300*	10300*	17500*	11770	11190	6550			7810	4760	7.68
-4.0 m			13580*	12080	9220*	6760			8610*	6440	6.24

NLC UNDERCARRIAGE - Long arm 3.66 m, 600 mm shoes, max reach 9.58 m

8.0 m									4880*	4880*	7.37
6.0 m							6540*	5010	4560*	4350	8.66
4.0 m					9000*	7530	7720*	4840	4570*	3740	9.35
2.0 m			16980*	12420	10890*	6960	7490	4600	4830*	3490	9.58
0 m			14390*	11570	11190	6530	7260	4390	5420*	3510	9.39
-2.0 m	8870*	8870*	18650*	11400	10970	6340	7160	4300	6350	3850	8.73
-4.0 m	15860*	15860*	15990*	11580	10910*	6390			7980	4790	7.49
-6.0 m									8060*	8060*	4.86

* 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.

BUCKETS
CX300E LC-NLC

LC DIRECT FIT

Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.65 m	Arm 3.18 m	Arm 3.66 m
HEAVY DUTY BUCKETS					
0.51	600	660	○	○	○
0.68	750	750	○	○	○
0.85	900	1040	○	○	○
1.11	1100	1150	○	○	○
1.24	1200	1240	○	○	●
1.43	1350	1310	○	●	●
1.63	1500	1460	●	●	■
1.72	1600	1520	●	■	-
ROCK BUCKETS					
0.85	900	1080	○	○	○
0.96	1000	1140	○	○	○
1.02	1050	1170	○	○	○
1.11	1100	1190	○	○	○
1.24	1200	1280	○	○	●
1.43	1350	1360	○	●	▲
1.63	1500	1500	●	▲	■
GRADING BUCKETS					
1.38	1800	890*	○	○	●
1.64	2100	980*	○	●	▲
1.90	2400	1090*	●	▲	■
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	○	○
1.48	2130	1020*	○	○	●
TILTABLE DITCH CLEANING BUCKETS					
1.13	1800	1100*	○	○	○
1.25	2000	1160*	○	○	●
1.38	2200	1250*	○	●	●
1.51	2400	1310*	●	●	▲
1.57	2500	1370*	●	▲	■

NLC DIRECT FIT



Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.65 m	Arm 3.18 m	Arm 3.66 m
HEAVY DUTY BUCKETS					
0.51	600	660	○	○	○
0.68	750	750	○	○	○
0.85	900	1040	○	○	○
1.11	1100	1150	○	○	●
1.24	1200	1240	○	●	●
1.43	1350	1310	●	●	■
1.63	1500	1460	●	■	-
1.72	1600	1520	▲	■	-
ROCK BUCKETS					
0.85	900	1080	○	○	○
0.96	1000	1140	○	○	○
1.02	1050	1170	○	○	○
1.11	1100	1190	○	○	●
1.24	1200	1280	○	●	▲
1.43	1350	1360	●	▲	■
1.63	1500	1500	▲	■	-
GRADING BUCKETS					
1.38	1800	890*	○	○	●
1.64	2100	980*	●	●	■
1.90	2400	1090*	▲	■	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	○	●
1.48	2130	1020*	○	●	▲
TILTABLE DITCH CLEANING BUCKETS					
1.13	1800	1100*	○	○	●
1.25	2000	1160*	○	●	▲
1.38	2200	1250*	●	●	■
1.51	2400	1310*	●	▲	■
1.57	2500	1370*	▲	■	-

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

○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³
▲ Rated material density up to 1.4ton/m³
■ Rated material density up to 1.2 ton/m³
— Not applicable
* with bolt-on cutting edge

BUCKETS
CX300E LC-NLC

LC QUICK COUPLED

Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.65 m	Arm 3.18 m	Arm 3.66 m
HEAVY DUTY BUCKETS					
0.51	600	660	○	○	○
0.68	750	750	○	○	○
0.85	900	1040	○	○	○
1.11	1100	1150	○	○	●
1.24	1200	1240	○	●	▲
1.43	1350	1310	●	▲	■
1.63	1500	1460	▲	■	-
1.72	1600	1520	■	-	-
ROCK BUCKETS					
0.85	900	1080	○	○	○
0.96	1000	1140	○	○	○
1.02	1050	1170	○	○	○
1.11	1100	1190	○	○	●
1.24	1200	1280	○	●	▲
1.43	1350	1360	●	▲	■
1.63	1500	1500	▲	■	-
GRADING BUCKETS					
1.38	1800	890*	○	●	●
1.64	2100	980*	●	▲	■
1.90	2400	1090*	▲	■	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	○	●
1.48	2130	1020*	○	●	▲

NLC QUICK COUPLED

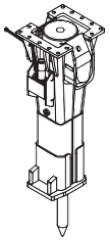
Capacity m³ (ISO7451 HEAPED)	Width mm	Weight kg	Arm 2.65 m	Arm 3.18 m	Arm 3.66 m
HEAVY DUTY BUCKETS					
0.51	600	660	○	○	○
0.68	750	750	○	○	○
0.85	900	1040	○	○	●
1.11	1100	1150	○	●	▲
1.24	1200	1240	●	▲	■
1.43	1350	1310	▲	■	-
1.63	1500	1460	■	-	-
ROCK BUCKETS					
0.85	900	1080	○	○	○
0.96	1000	1140	○	○	●
1.02	1050	1170	○	○	●
1.11	1100	1190	○	●	▲
1.24	1200	1280	●	▲	■
1.43	1350	1360	▲	■	-
1.63	1500	1500	■	-	-
GRADING BUCKETS					
1.38	1800	890*	●	●	■
1.64	2100	980*	▲	■	-
1.90	2400	1090*	■	-	-
DITCH CLEANING BUCKETS					
0.89	1830	910*	○	●	●
1.48	2130	1020*	●	▲	■

○ Rated material density up to 2 ton/m³
● Rated material density up to 1.6 ton/m³
▲ Rated material density up to 1.4ton/m³
■ Rated material density up to 1.2 ton/m³
— Not applicable
* with bolt-on cutting edge

HAMMER
CX300E

DIRECT FIT

Model	Install Weight kg	Reference machine settings		Arm 2.65 m	Arm 3.18 m	Arm 3.66 m
		Flow l/min	Relief Pressure Mpa			
CB BREAKER						
CB290S	1500	150	21-22	☐	☐	☐
CB370S	1800	165	19-21	□	□	-



□ Applicable
— Not applicable
☐ Applicable with condition (only for light duty works as residential construction or utilities maintenance)

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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 Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

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