



CASE
CONSTRUCTION



**QUALITY
YOU CAN TRUST**

**C-SERIES HYDRAULIC EXCAVATORS
CX220C LR**

**EXPERTS FOR THE REAL WORLD
SINCE 1842**

CX220C LR



ENGINE

Model _____ GF-4HK1X
Type _____ Water-cooled, 4-cycle diesel, 4-cylinder in line, electronically controlled, high pressure common rail system, variable geometry turbocharger, air cooled intercooler.
Number of cylinders/displacement _____ 5.19 l
Bore/Stroke _____ 115 x 125 mm
Rated flywheel horse power
Horsepower ISO 9249 (Net) _____ 159 hp (117.3 kW) at 1800 min⁻¹
Horsepower ISO 14396 (Gross) _____ 122 kW at 1800 min⁻¹
Maximum torque ISO 9249 (Net) _____ 608 Nm at 1600 min⁻¹
Maximum torque ISO 14396 (Gross) _____ 624 Nm at 1600 min⁻¹

HYDRAULIC SYSTEM

Main pumps _____ 2 variable displacement axial piston pumps with regulating system
Max oil flow _____ 2 x 211 l/min at 1800 min⁻¹
Working circuit pressure
Boom/Arm/Bucket circuit _____ 34.3 MPa
Boom/Arm/Bucket circuit (with auto power up) _____ 36.8 MPa
Swing circuit _____ 29.4 MPa
Travel circuit _____ 34.3 MPa

SWING

Maximum swing speed _____ 11.5 min⁻¹
Swing torque _____ 64,000 N-m

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 _____ 5.6 km/h
Low travel speed _____ 3.4 km/h
Gradeability _____ 70% (35°)
Drawbar pull _____ 188 kN

ELECTRICAL SYSTEM

Circuit _____ 24V
Alternator _____ 50 Amp
Starter motor _____ 5.0 kW
Batteries
Indonesia, Malaysia, Philippines _____ 2x12V 88 Ah/5HR
Indonesia, Malaysia, Philippines _____ 2x12V 92 Ah/5HR

UNDERCARRIAGE

Number of carriers rollers (each side) _____ 2
Number of track rollers (each side) _____ 7/8
Number of shoes (each side) _____ 46/49
Type of shoe _____ Triple grouser shoe

CAPACITIES

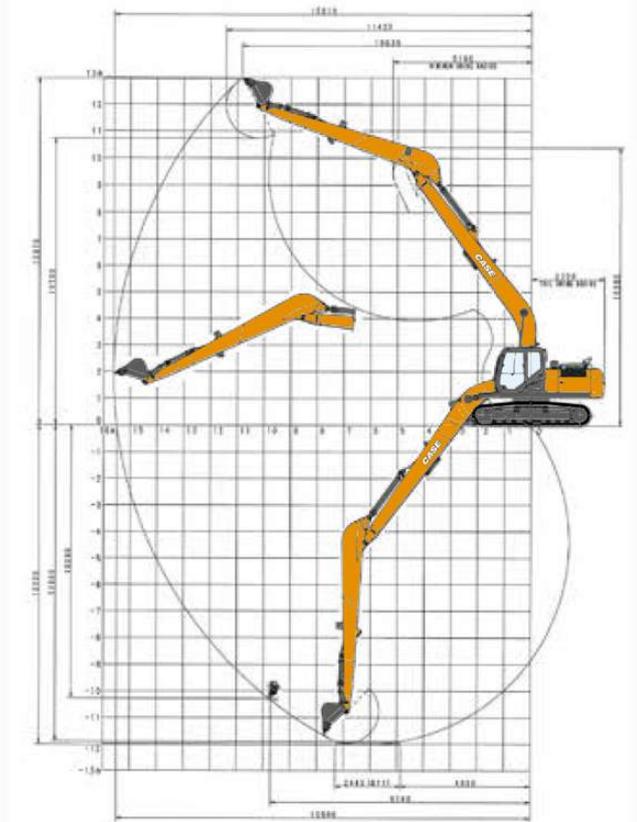
Fuel tank _____ 410 lt
Hydraulic system _____ 240 l
Cooling system _____ 29,8 l
Engine Crank Case _____ 23.1 l

CX220C LR

PERFORMANCE DATA

CX220C LR
Arm 6.40 m

Boom length	mm	8700
Bucket radius	mm	1230
Bucket wrist action	°	178
A Maximum reach at GRP	mm	15500
B Maximum reach	mm	15610
C Max. digging depth	mm	12020
D Max. digging height	mm	12970
E Max. dumping height	mm	10720
Arm digging force with auto power up		46KN(without auto powerup)
Bucket digging force with auto power up		65KN (without auto powerup)

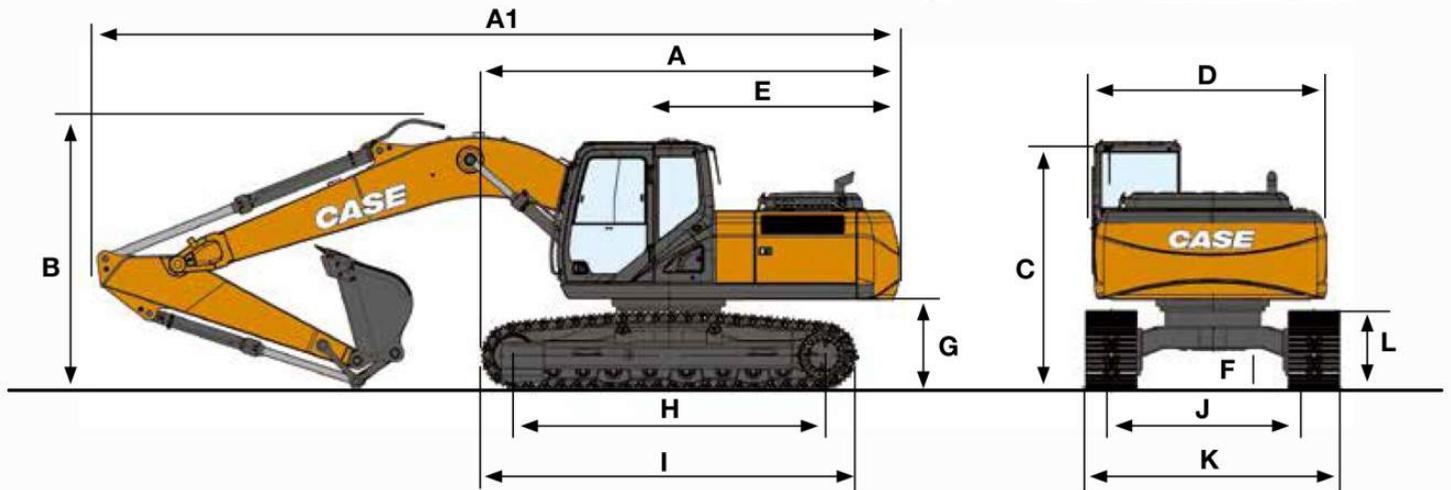


WEIGHT AND GROUND PRESSURE

6.4 m arm, 0.37m³ bucket, 800mm grouser shoe, operator, lubricant, coolant and full fuel tank.

CX220C LR

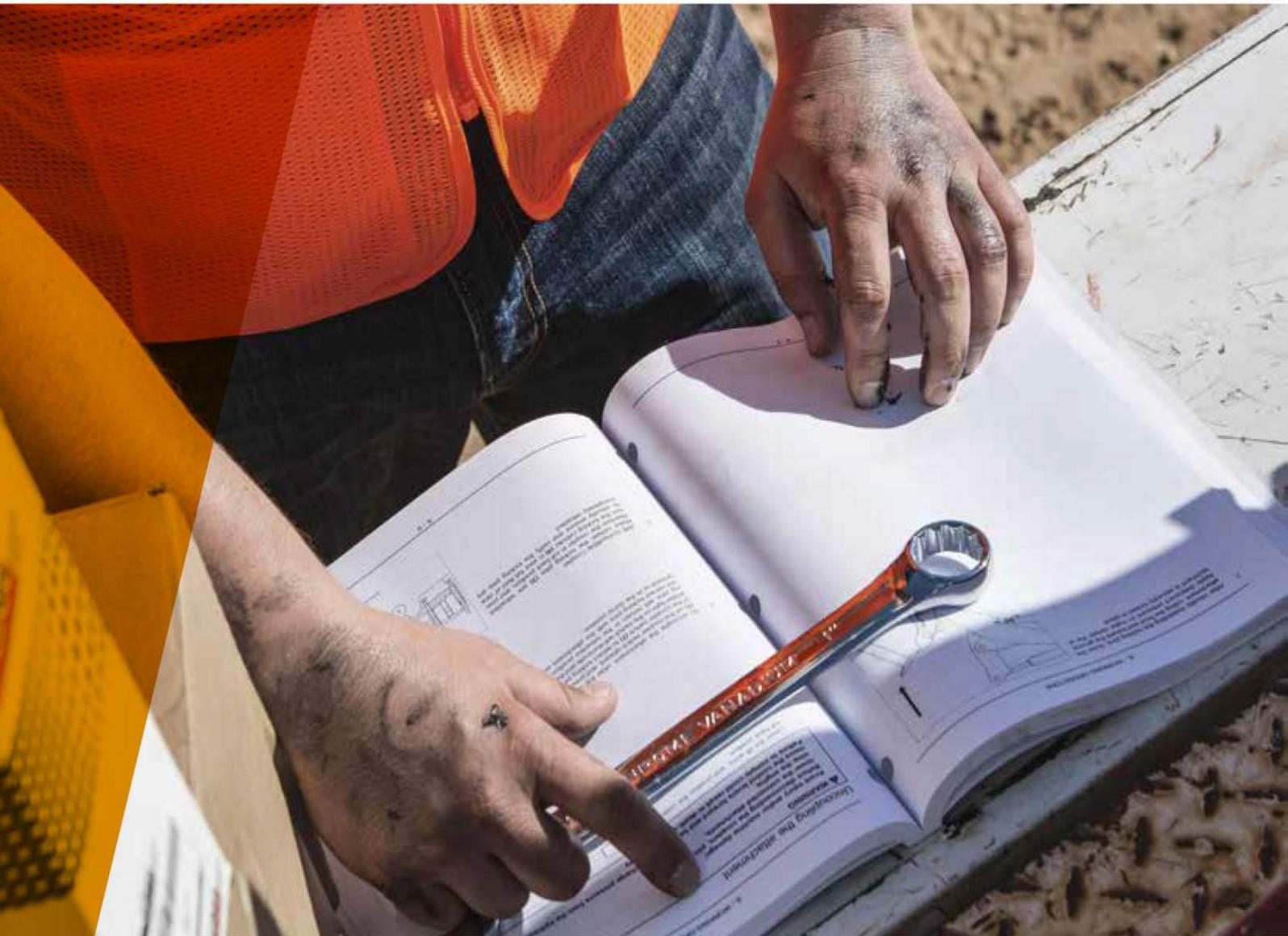
OPERATING MASS	23,300 kg
GROUND PRESSURE	0.036 MPa



GENERAL DIMENSIONS

CX220C LR
Arm 6.40 m

A Overall length (without attachment)	mm	4960
A1 Overall length (with attachment)	mm	12470
B Overall height (with attachment)	mm	3000
C Cab height	mm	2950
D Upper structure overall width	mm	2770
E Swing (rear end radius)	mm	2750
G Clearance height under upper structure	mm	1040
F Minimum ground clearance	mm	440
H Wheel base (Center to center of wheels)	mm	3660
I Crawler overall length	mm	4470
L Crawler tracks height	mm	920
J Track gauge	mm	2390
K Undercarriage overall width (with 800 mm shoes)	mm	3190



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