CASE CONSTRUCTION

C SERIES

HYDRAULIC EXCAVATORS



CX220C LR

SPECIFICATIONS



ENGINE

Model	CASE by FPT F4HE0687A*J
Type	Water-cooled, 4-cycle diesel, 6-cylinder in line, electronically controlled, high pressure common rail system, turbocharger, air cooled intercooler
Emission	Tier 3
Number of cylinders/displacement	6.7 l
Bore/Stroke	104 mm X 132 mm
Rated flywheel horse power	
Horsepower ISO 9249 (Net)	157hp(117.3 kW) at 1800 min^{-1}
Maximum torque ISO 14396 (Gross)	622 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 boost)	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	205 kN

ELECTRICAL SYSTEM

Circuit	24V
Alternator	70 Amp
Starter motor	24V 4.0 kW
Batteries	2x12 V 110Ah

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	458 l
Hydraulic system	295 l
Cooling system	25 l
Engine Crank Case	16.5 l
Hydraulic Tank Capacity	162 l

STANDARD EQUIPMENT

ENGINE

Super tropical package for temperatures -15°C - 55°C
Turbocharger with air cooled intercooler
Double element air cleaner
Pre fuel filter
Fuel filter w/ water separator
Automatic/manual engine return to idle
Neutral safety start
Emergency stop
Warm up mode
Dial type throttle control
Glow-plug pre-heat
Tropical package

HYDRAULIC SYSTEM

2 variable flow piston pumps
Auto/heavy/super power working modes
Auto power boost
Swing priority (swing+arm)
Travel speed change
Selectable working modes
Pre-set auxiliary pump settings
Iso pattern controls
Arm and boom regeneration
Straight travel valve
100% return oil filtration

CAB AND OPERATOR COMPARTMENT

Pre-disposal for the optional cab protection
Pressurized cab ac/heat/defrost w/ auto climate control
Tilting consoles - 4-position
Mechanical suspended seat
Arm rest
Color lcd monitor display
Auxiliary select system
Rubber floormat
One-piece right hand window
Windshield wiper / washer
Storage compartments
On-board diagnostic system
Standard handrails
Sliding front window - storable
Cab top lights
High band am/fm radio
Rh front console w/ clock and cell phone holder
Rear mirror (mounted on cab)
Rear mirror (mounted on tool box)

EQUIPMENT AND UNDERCARRIAGE

Boom mounted work light (70 watt)
Bucket linkage
Tool box
Sealed and lubricated tracks
Lower under cover

OPTIONAL EQUIPMENT

CAB AND OPERATOR COMPARTMENT

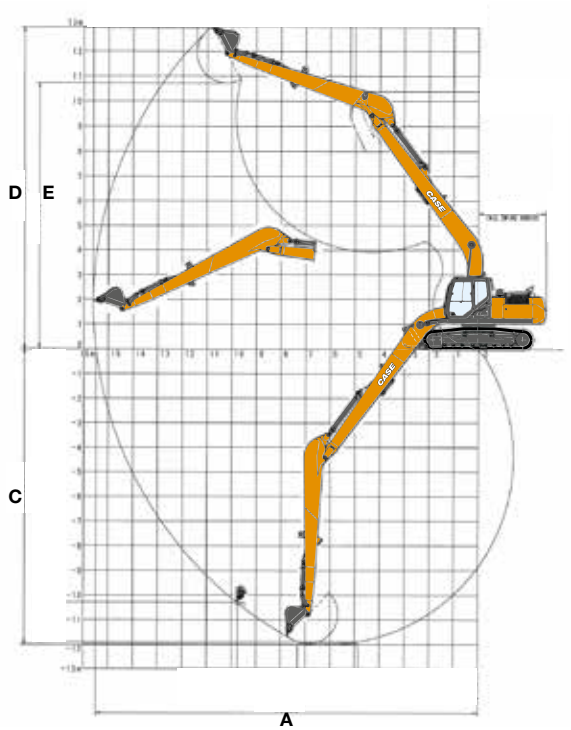
ROPS/FOPS protection
Sun visor & rain deflector
Sun shade
Case telematics

EQUIPMENT AND UNDERCARRIAGE

HD bucket linkage w hook
600mm triple grouser steel shoes
700mm triple grouser steel shoes
800mm triple grouser steel shoes
Single track guide
Triple track guide
Refuel pump
Upper front screen (mesh type)
Front grill (bar, opg1)
Front grill (bar, opg2)
Air-pre cleaner - cup type
Air-pre cleaner - cyclone type

PERFORMANCE DATA

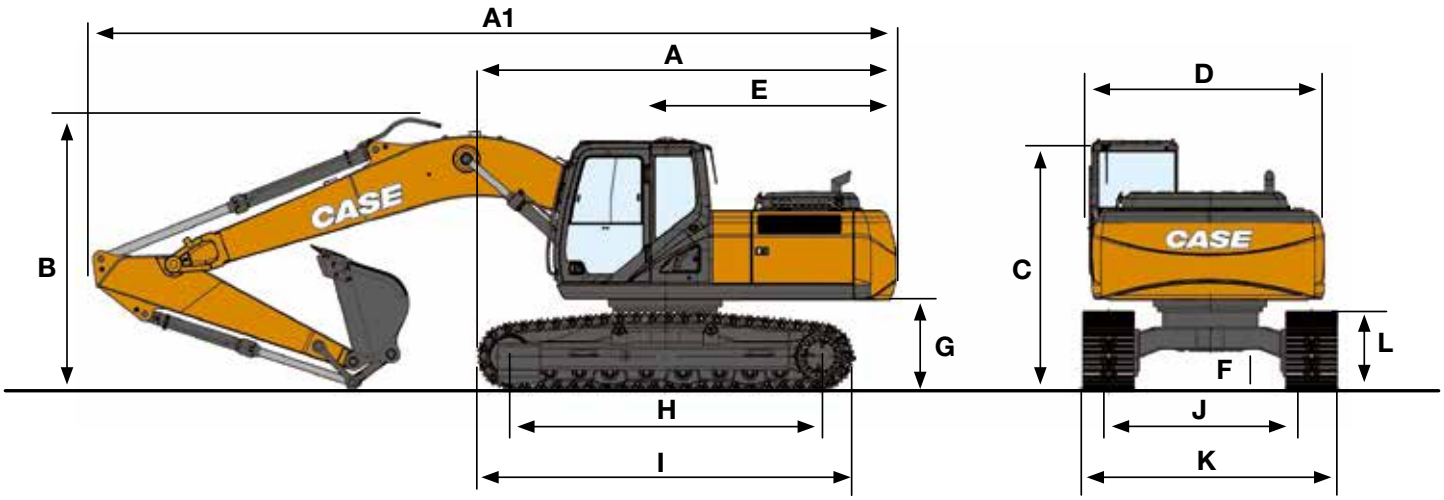
			Arm 6.4 m
	Boom length	mm	8705
A	Maximum reach at GRP	mm	15355
C	Max. digging depth	mm	11075
D	Max. digging height	mm	13590
E	Max. dumping height	mm	11340
	Arm digging force	KN	46
	Bucket digging force	KN	65



WEIGHT AND GROUND PRESSURE

6.4 m arm, 0.5 m^3 bucket, 800mm grouser shoe, operator, lubricant, coolant and full fuel tank.

OPERATING MASS	23,430 kg
GROUND PRESSURE	0.036 MPa



GENERAL DIMENSIONS

			Arm 6.40 m
A	Overall length (without attachment)	mm	4985
A1	Overall length (with attachment)	mm	12470
B	Overall height (with attachment)	mm	3008
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

CASE CONSTRUCTION

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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

creative-farm 11/26