

R220LC-7MaGiQ HYUNDAI Hydraulic Excavator

Engine

Model Cummins 6BTA-5.9C

Type Water cooled, 4 cycle diesel, 6 cylinder in line, direct injection turbocharged, charge air cooled and low emission

Rated flywheel horse power	SAE	J1995 (Gross)	150 HP (112 kW) @ 1950 rpm
		J1349 (Net)	143 HP (107 kW) @ 1950 rpm
	DIN	6271/1 (Gross)	152 PS (112 kW) @ 1950 rpm
		6271/1 (Net)	145 PS (107 kW) @ 1950 rpm

Max. Torque 610 Nm (450 lbf.ft) @ 1500 rpm

Piston displacement 5880 cc

Hydraulic System

Main pump

Type Two variable displacement piston pumps

Max. flow 2 x 220 lpm

Sub-pump for pilot circuit Gear pump

Cross-sensing & fuel saving pump system

Hydraulic motors

Travel Two speed axial piston motor with counter balance valve and parking brake

Swing Axial piston motor with automatic brake

Relief valve settings

Implement circuits 330 kgf/cm²

Travel 330 kgf/cm²

Power boost (boom, arm, bucket) 360 kgf/cm²

Swing circuit 240 kgf/cm²

Pilot circuit 35 kgf/cm²

Service valve Installed

Drives & Brakes

Drive method Fully hydrostatic type

Drive motor Axial piston motor in-shoe design

Reduction system Planetary reduction gear

Max. drawbar pull 21100 kgf (46500 lbf)

Max. travel speed (high/low) 5.3 kmph /3.4 kmph

Gradeability 35° (70%)

Parking brake Multi wet disc

Swing System

Swing motor Axial piston motor

Swing reduction Planetary gear reduction

Swing bearing lubrication Grease bathed

Swing brake Multi wet disc

Swing speed 11 rpm

Undercarriage

X-Leg type centre frame is integrally welded with reinforced box section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters, with shock absorbing spring and sprockets, and track chain with double or triple grouser shoes.

Centre frame X-leg type

Track frame Pentagonal box type

No. of shoes on each side 49

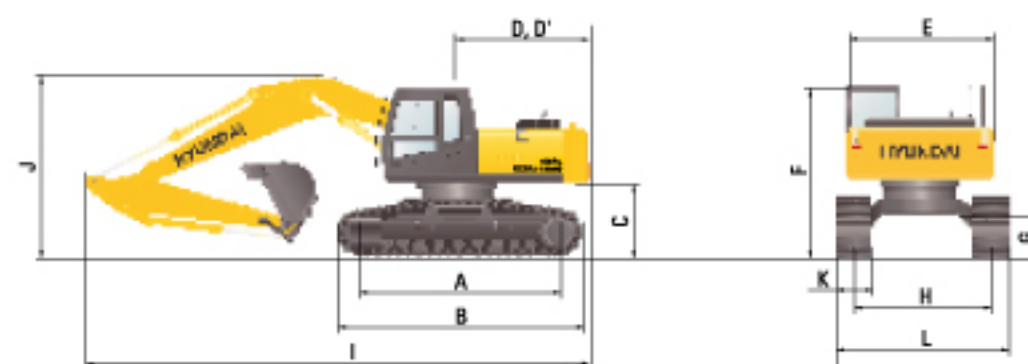
No. of carrier rollers, each side 2

No. of track rollers, each side 9

No. of rail guards on each side 3

Track shoe thickness 12.5mm

Dimensions



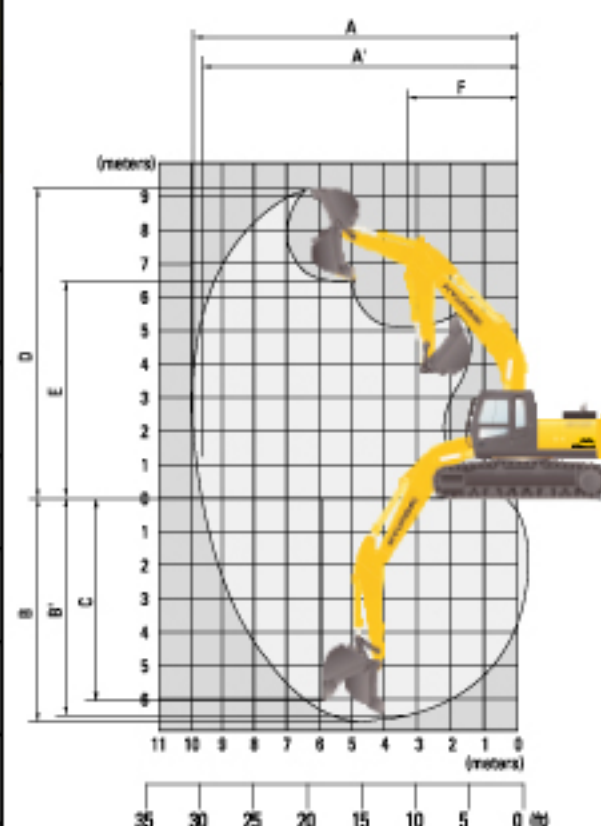
Dimensions

mm

A	Tumbler Distance	3650
B	Overall length of crawler	4440
C	Ground clearance of counter weight	1060
D	Tail swing radius	2830
D'	Rear-end length	2770
E	Overall width of upper structure	2700
F	Overall height of cabin	2920
G	Min. ground clearance	480
H	Track gauge	2390
I	Overall length	9570
J	Overall height of boom	3110
K	Track Shoe width	600
L	Overall width	2990

Working Ranges mm

Boom length (std.)		5680
Arm length (std.)		2400
A	Maximum Digging Reach.	9500
A'	Digging Reach on Ground.	9330
B	Max. Digging Depth.	6220
B'	Max. Digging Depth (8' level).	6010
C	Vertical Digging Depth.	5720
D	Maximum Digging Height.	9340
E	Maximum Dumping Height.	6520
F	Minimum Swing Radius.	3740



Operating Weight & Bucket Capacity

Operating weight	23200 kg
Bucket capacity	1.05m ³ GP, 0.87m ³ RB, 0.95m ³ RB, 0.95m ³ (Marble) SAE Heaped