

Engine Rated Power : 148 HP (110 kW) @ 2000 rpm
SAE J1995
Operating Weight : 21930 kg
Bucket Capacity : 1.05 m³ GP, 0.95 m³ RB
SAE, PCSA Heaped



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*Actual Product may vary from the above image

R220LC-7

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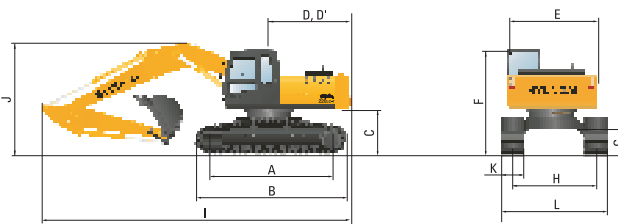
Specifications

Engine		
Model	Cummins 6BTA-5.9C	
Type	Water cooled, 4 cycle diesel, 6 cylinder in line, direct injection turbocharged, charge air cooled	
Rated flywheel horse power	SAE J1995 (Gross)	148 HP (110 kW) @ 2000 rpm
	SAE J1349 (Net)	141 HP (105 kW) @ 2000 rpm
	DIN 6271/1 (Gross)	151 PS (110 kW) @ 2000 rpm
	DIN 6271/1 (Net)	144 PS (105 kW) @ 2000 rpm
Max. Torque	610 Nm (450 lbf.ft) @ 1300 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/cm ²	
Travel	330 kgf/cm ²	
Swing circuit	240 kgf/cm ²	
Pilot circuit	35 kgf/cm ²	
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 on each side	2	
No. of track rollers on each side	9	
No. of rail guards on each side	2	



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Dimensions



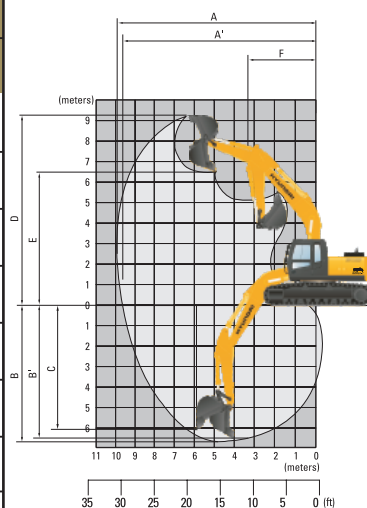
Dimensions

mm

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	21930 kg
Bucket capacity	1.05m ³ GP, 0.95m ³ RB SAE Heaped

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PLEASE CONTACT