

R220LS

SMART *PLUS*

OPERATING WEIGHT: 22000 kgs

GROSS POWER : 148 HP @ 2000 rpm

BUCKET CAPACITY: 1.20 m³



HYUNDAI

Specifications

Engine

Maker/Model		Cummins6BTAA-5.9C	
Rated flywheel horse power	SAE	J1995 (Gross) J1349 (Net)	148 HP (110KW) @2000rpm 145 HP (108KW) @2000rpm
Max Torque Displacement		63.7gfm @1300 rpm 5800cc	

Hydraulic System

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2x220 lpm
Sub-pump for pilot circuit	Gear pump
Cross-sensing & fuel saving pump system	

Hydraulic motors

Travel	Two speed axis piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake

Relief valve settings

Implement Circuit	330kgf/cm ²
Travel	330kgf/cm ²
Swing Circuit	240kgf/cm ²
Pilot Circuit	35kgf/cm ²
Service valve	Installed

Coolant & Lubricant Capacity

REFILLING	LITER
Fuel tank	340
Engine coolant	35
Engine oil	21
Swing device	5
Final drive (each)	5.8
Hydraulic system / Hydraulic tank	290 / 180

Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor in-shoe design
Reduction system	Planetary reduction gear
Max.drawbar pull	21100kgf (46500 lbf)
Max.travel speed (high/low)	5.3kmph/3.4kmph
Gradeability	35 Degree (70%)
Parking brake	Multi wet disc

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 trackchain with triple grouse 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 guard each side	2

Swing System

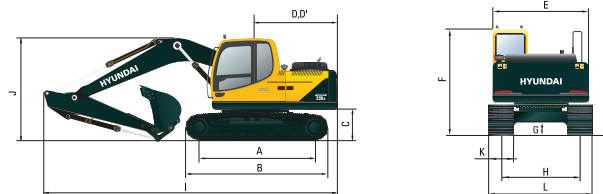
Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease bathed
Swing brake	Multi wet disc
Swing speed	11 rpm

Operating Weight

Shoe Width mm (in)	Operating weight kg (lb)	Ground pressure kgf/cm ² (psi)
600 mm (24")	22,000 (48,502)	0.47 (6.68)

Dimensions

(mm)

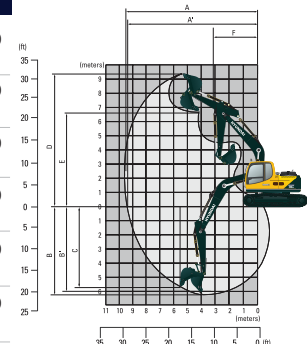


A	Tumbler distance	3640
B	Overall length of crawler	4440
C	Ground clearance of counter weight	1060
D	Tail swing radius	2830
D'	Rear-end length	2770
E	Overall width of upper structure	2700
F	Overall height of cabin	2920
G	Min. ground clearance	480
H	Track gauge	2390
I	Overall length	9570
J	Overall height of boom	3110
K	Track shoe width	600
L	Overall width	2990

Working Ranges (mm)

Boom length (std.)	5680
Arm length (std.)	2400 2920

A	Maximum Digging Reach.	9500	9940
A'	Digging Reach on Ground.	9330	9780
B	Max Digging Depth	6220	6740
B'	Max- Digging Depth (8' level).	6010	6550
C	Vertical Wall Digging Depth	5720	6120
D	Maximum Digging Height	9340	9470
E	Maximum Dumping Height.	6520	6670
F	Minimum Swing Radius.	3740	3640



Bucket Digging Force	15500 kgf
Arm Crowd Force	12000 kgf



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