

Gross Power
SAE J1995 / 150 HP at 1,950 rpm

Net Power
SAE J1349 / 143 HP at 1,950 rpm

Bucket Capacity
0.51 ~ 1.34m³

Operating Weight
21,900 kg / 12,350 lbs

Robex 220LC-9S

With Tier 2 Engine installed



▲ HYUNDAI CONSTRUCTION EQUIPMENT

Head Office(Sales Office)

3F, Bundang First Tower, 55 Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13591, Korea

PLEASE CONTACT

PRIDE AT WORK

Robex **220LC-9S**
220-9S

Hyundai Construction Equipment strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. Take pride in your work with Hyundai!

Machine Walk-Around

Engine Technology

Easy & Simple Serviceability / Auto engine warm up feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps. New compact solenoid block equipped with 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock.

Enhanced Operator Cab

Improved Visibility

Enlarged cab with improved visibility / Larger right-side glass, now one piece, for better right visibility. Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade. Closeable sunshade for operator convenience / Reduced front window seam for improved operator view.

Improved Cab Construction

New steel tube construction for added operator safety, protection and durability
New window open/close mechanism designed with cable and spring lift assist and single latch release.

Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use - now with new sleek styling
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster

New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel / Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.

3 power modes : (P) Power, (S) Standard, (E) Economy

2 work modes : Dig & Attachment, (U) User mode for operator preference

Enhanced self-diagnostic features with GPS / satellite technology

One pump flow or two pump flow for optional attachment is now selectable through the cluster.

/ New anti-theft system with password capability

Boom speed and arm regeneration are selectable through the monitor.

Auto power boost is now available - selectable (on/off) through the monitor.

Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7 series!

Hi-mate

works through GPS/satellite technology to ultimately provide better customer service and support.

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps
Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner.





PREFERENCE

Operating a 9S series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.

Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

Operator Comfort

In 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system and the radio / USB player.



Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9S Series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo is perfect for listening to music favorites.

Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and were integrated into the cluster to make the machine more versatile and the operator more productive.



*Photo may include optional equipment.



PRECISION

Innovative hydraulic system technologies make the 9S series excavator fast, smooth and easy to control.



COMPUTER AIDED POWER

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO (Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.

The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

Power Mode

P (Power Max) mode maximizes machine speed and power for mass production. S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.



Improved Hydraulic System

To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.

Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort. Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9S Series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.



Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

* Photo may include optional equipment.



PERFORMANCE

9S series is designed for maximum performance to keep the operator working productively.



HYUNDAI HM5.9

The six cylinders, turbo-charged, 4 cycle, charger air cooled engine is built for power, reliability, economy and low emissions.



A More Reliable Way To Reach Your Dream.

The HYUNDAI HM 5.9 engine has been designed with 40% fewer parts than the competition. That means there's less that can go wrong when you need it most. It also means fewer parts to inventory. Repairs are simplified because no special tools are needed for maintenance. The weight of the machine is reduced without sacrificing strength. The HYUNDAI HM5.9 engine is capable of reaching emission standards without electronic engine controls. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

Structure Strength

The 9S Series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.



Improved Durability

9S series excavators are equipped with Hi-Grade hoses to make sure of ity without oil-leakage and stainless spring guards to protect hoses from external damages.



Track Rail Guard & Adjusters

Durable track rail guards keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.





PROFITABILITY

9S Series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.



HiMATE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi-MATE, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-MATE saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi-MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi-MATE website or mobile application. Hi-MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi-MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

Long-Life Components

9S series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.



Fuel Efficiency

9S Series excavators are engineered to be extremely fuel efficient. New innovations like two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



Easy Access

Ground-line access to filters, lube fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9S Series.

*Photo may include optional equipment.

SPECIFICATIONS

ENGINE

Maker / Model	HYUNDAI HM 5.9		
Type	Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged charger and air cooled		
Rated flywheel horse power	SAE J1995 (gross)	150 HP at 1,950 rpm	
	J1995 (gross)	143 HP at 1,950 rpm	
DIN	6271/1 (gross)	152 PS at 1,950 rpm	
	6271/1 (net)	145 PS at 1,950 rpm	
Max. torque	62.6kgf.m/1,500rpm		
Bore X stroke	102mm X 120mm		
Piston displacement	5,900cc		
Batteries	2 X 12V X 100AH		
Starting motor	24V, 4.5kW		
Alternator	24V, 90Amp		

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps		
Rated flow	2 X 222.3 L /min (58.7 US gpm/48.9 UK gpm)		
Sub-pump for pilot circuit	Gear pump		

Cross-sensing and fuel saving pump system.

HYDRAULIC MOTORS

Travel	Two speed axial pistons motor with brake valve and parking brake		
Swing	Axial piston motor with automatic brake		

RELIEF VALVE SETTING

Implement Circuits	350 kgf/cm ² (4,980 psi)		
Travel	350 kgf/cm ² (4,980 psi)		
Power Boost (Boom, Arm, Bucket)	380 kgf/cm ² (5,400 psi)		
Swing Circuit	265 kgf/cm ² (3,770 psi)		
Pilot Circuit	40 kgf/cm ² (570 psi)		
Service Valve	Installed		

HYDRAULIC CYLINDERS

No. of Cylinder	Boom: 2-120 X 1,290 mm (4.7" X 50.8")		
Bore X Stroke	Arm: 1-140 X 1,510 mm (5.5" X 59.4")		
	Bucket: 1-120 X 1,055 mm (4.7" X 41.5")		

DRIVES & BRAKES

Drive Method	Fully hydrostatic type		
Drive Motor	Axial piston motor, in-shoe design		
Reduction System	Planetary reduction gear		
Max. Drawbar Pull	21,100 kgf (46,517 lbf)		
Max. Travel Speed (High / Low)	5.5 km/hr (3.4mph) / 3.8 km/hr (2.4mph)		
Gradeability	35° (70 %)		
Parking Brake	Multi wet disc		

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot Control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)		
Traveling and Steering	Two levers with pedals		
Engine Throttle	Electric, Dial type		

SWING SYSTEM

Swing Motor	Fixed displacement axial pistons motor		
Swing Reduction	Planetary gear reduction		
Swing Bearing Lubrication	Grease-bathed		
Swing Brake	Multi wet disc		
Swing Speed	11.1 rpm		

COOLANT & LUBRICANT CAPACITY

Refilling	liter		
Fuel tank	400.0		
Engine coolant	35		
Engine oil	24.0		
Swing device-gear oil(OTP)	5.0(6.2)		
Final drive(each)-gear oil(OTP)	5.8(6.0)		
Hydraulic system (including tank)	275.0		
Hydraulic tank	160.0		

UNDERCARRIAGE

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

Model	R220LC-9S	R220-9S
Center frame	X - leg type	X - leg type
Track frame	Pentagonal box type	Pentagonal box type
No. of shoes on each side	49 EA	46 EA
No. of carrier roller on each side	2 EA	2 EA
No. of track roller on each side	9 EA	7 EA
No. of rail guard on each side	2 EA	1 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680mm (18' 8") boom, 2,920mm (9' 7") arm, SAE heaped 0.92m³ (1.20 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT

Upperstructure	5,600kg (12,350lb)		
Boom (with arm cylinder)	1,950kg (4,300lb)		
Arm (with bucket cylinder)	1,095kg (2,410lb)		

OPERATING WEIGHT

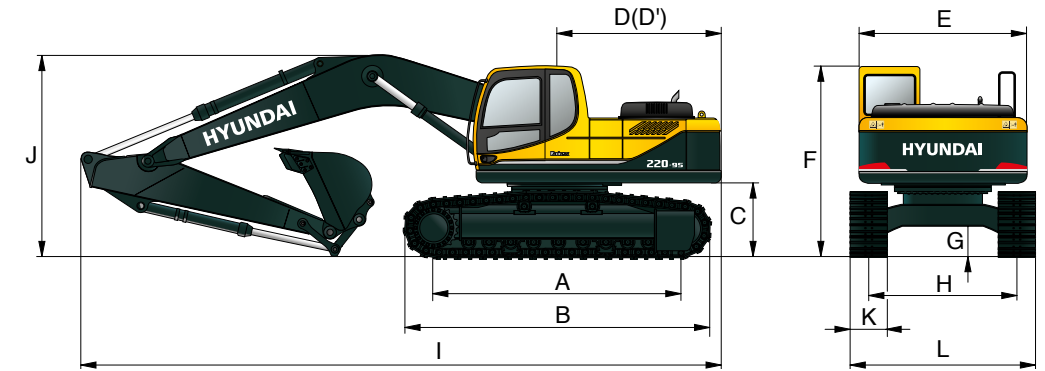
Type	Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Triple grouser	600 (24")	R220LC-9S	21,900	0.47
		R220LC-9S / H / W	23,360	0.50
		R220-9S	21,200	0.49
	700 (28")	R220LC-9S	22,250	0.41
		R220LC-9S / H / W	23,710	0.43
		R220-9S	21,470	0.42
800 (32")	R220LC-9S	22,515	0.36	
	R220LC-9S / H / W	23,975	0.38	
	R220-9S	21,740	0.38	
	R220LC-9S	22,760	0.32	
900 (35")	R220LC-9S / H / W	24,255	0.35	
	R220-9S	22,000	0.34	
Double grouser	700 (28")	R220LC-9S / H / W	24,220	0.43

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.8kg refrigerant consisting of a CO₂ equivalent 1.14kg metric tonne. For more information, Please refer to the manual

DIMENSIONS & WORKING RANGE

R220-9S DIMENSIONS

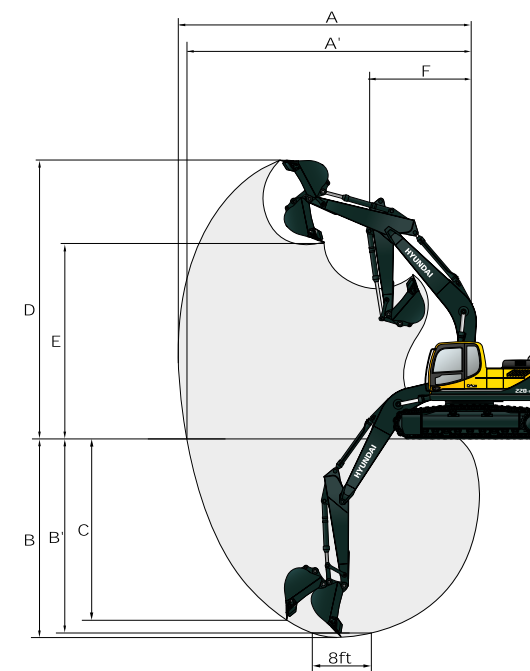


Unit : mm (ft - in)

A Tumbler distance	3,360			
B Overall length of crawler	4,114			
C Ground clearance of counterweight	1,060			
D Tail swing radius	2,840			
D' Rear-end length	2,770			
E Overall width of upperstructure	2,740			
F Overall height of cab	3,000			
G Min. ground clearance	480			
H Track gauge	2,200			

Boom length	5,680			
Arm length	2,000	2,400	2,920	3,900
I Overall length	9,650	9,570	9,530	9,520
J Overall height of boom	3,200	3,110	3,030	3,480
K Track shoe width	600 (24")	700 (28")	800 (32")	900 (34")
L Overall width	2,800	2,900	3,000	3,100

R220-9S WORKING RANGE

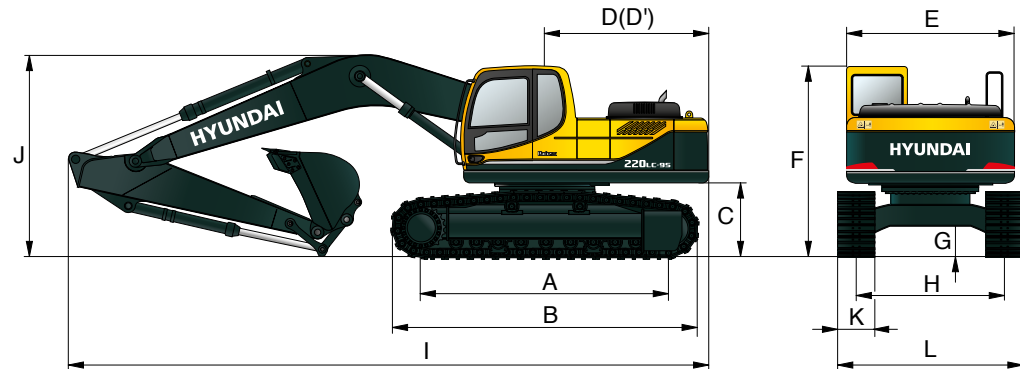


Unit : mm (ft - in)

Boom length	5,680			
Arm length	2,000	2,400	2,920	3,900
A Max. digging reach	9,140	9,500	9,980	10,910
A' Max. digging reach on ground	8,960	9,330	9,820	10,770
B Max. digging depth	5,820	6,220	6,730	7,720
B' Max. digging depth (8' level)	5,580	6,010	6,560	7,580
C Max. vertical wall digging depth	5,280	5,720	6,280	7,240
D Max. digging height	9,140	9,340	9,600	10,110
E Max. dumping height	6,330	6,520	6,780	7,290
F Min. swing radius	3,750	3,740	3,740	3,650

DIMENSIONS & WORKING RANGE

R220LC-9S DIMENSIONS

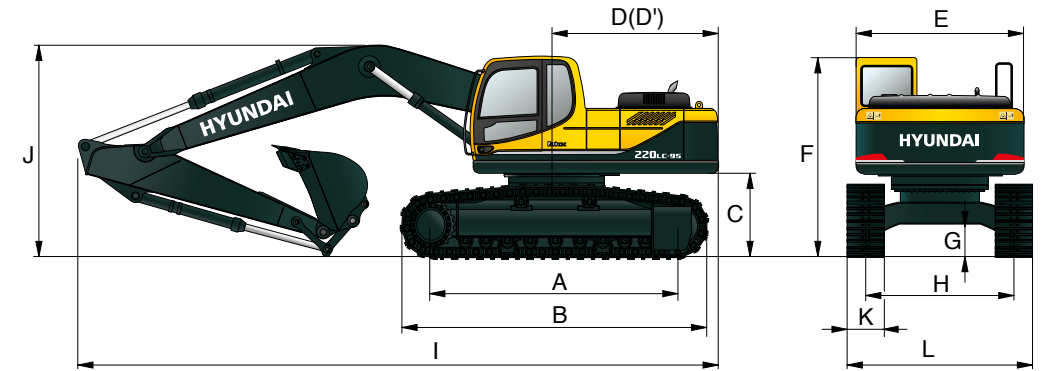


Unit : mm (ft - in)

A Tumbler distance	3,650
B Overall length of crawler	4,440
C Ground clearance of counterweight	1,060
D Tail swing radius	2,840
D' Rear-end length	2,770
E Overall width of upperstructure	2,740
F Overall height of cab	3,000
G Min. ground clearance	480
H Track gauge	2,390

Boom length	5,680				8,200
Arm length	2,000	2,400	2,920	3,900	6,300
I Overall length	9,650	9,570	9,530	9,520	12,030
J Overall height of boom	3,200	3,110	3,030	3,480	3,280
K Track shoe width	600 (24")	700 (28")	800 (32")	900 (34")	
L Overall width	2,990	3,090	3,190	3,290	

R220LC-9S HIGH WALKER DIMENSIONS

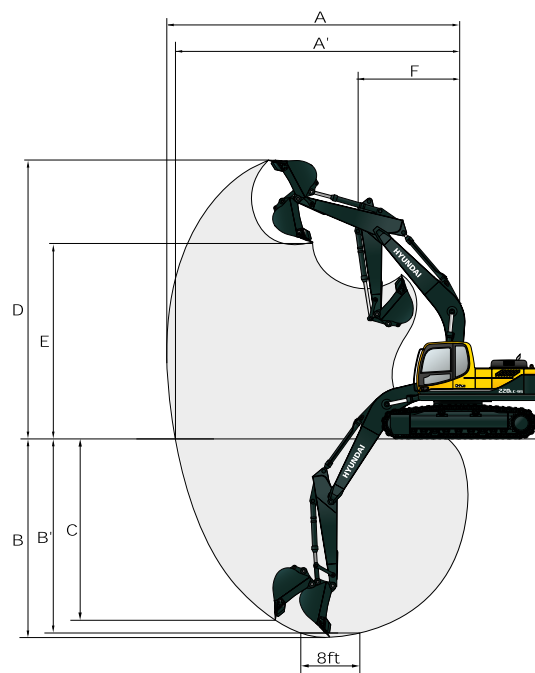


Unit : mm (ft - in)

A Tumbler distance	3,650
B Overall length of crawler	4,440
C Ground clearance of counterweight	1,260
D Tail swing radius	2,840
D' Rear-end length	2,770
E Overall width of upperstructure	2,740
F Overall height of cab	3,000
G Min. ground clearance	660
H Track gauge	2,795

Boom length	5,680			
Arm length	2,000	2,400	2,920	3,900
I Overall length	9,650	9,550	9,470	9,560
J Overall height of boom	3,200	3,170	3,060	3,450
K Track shoe width	Triple grouser			Double grouser
	600 (24")	700 (28")	800 (32")	900 (34")
L Overall width	3,395	2,495	3,595	3,495

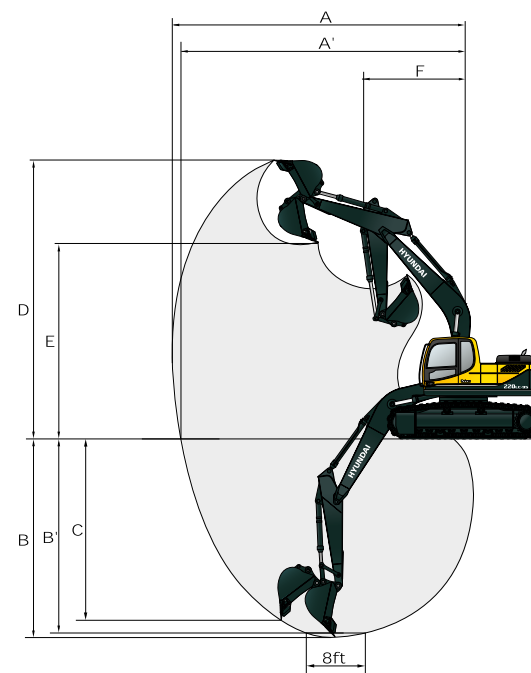
R220LC-9S WORKING RANGE



Unit : mm (ft - in)

Boom length	5,680				8,200
Arm length	2,000	2,400	2,920	3,900	6,300
A Max. digging reach	9,140	9,500	9,980	10,910	15,220
A' Max. digging reach on ground	8,960	9,330	9,820	10,770	15,120
B Max. digging depth	5,820	6,220	6,730	7,720	11,760
B' Max. digging depth (8' level)	5,580	6,010	6,560	7,580	11,650
C Max. vertical wall digging depth	5,280	5,720	6,280	7,240	9,610
D Max. digging height	9,140	9,340	9,600	10,110	12,550
E Max. dumping height	6,330	6,520	6,780	7,290	10,280
F Min. swing radius	3,750	3,740	3,740	3,650	4,870

R220LC-9S HIGH WALKER WORKING RANGE



Unit : mm (ft - in)

Boom length	5,680			
Arm length	2,000	2,400	2,920	3,900
A Max. digging reach	9,140	9,500	9,980	10,910
A' Max. digging reach on ground	8,920	9,290	9,820	10,730
B Max. digging depth	5,630	6,010	6,550	7,530
B' Max. digging depth (8' level)	5,390	5,820	6,380	7,390
C Max. vertical wall digging depth	5,090	5,630	6,100	7,050
D Max. digging height	9,330	9,530	9,780	10,300
E Max. dumping height	6,520	6,710	6,960	7,480
F Min. swing radius	3,750	3,740	3,740	3,650

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

R220LC-9S HIGH WALKER

Boom : 5.68m / Arm : 3.90 m / Bucket : 0.92 m³ SAE heaped / Shoe : 800mm triple grouser

Load point height (m)	kg	Load radius												At max. reach				
		1.5m		3.0m		4.5m		6.0m		7.5m		9.0m		Capacity		Reach (m)		
9.0m	kg															*2,750	*2,750	7.86
7.5m	kg									*2,220	*2,220					*2,810	*2,810	9.06
6.0m	kg									*2,850	*2,850					*2,910	2,620	9.85
4.5m	kg									*3,140	*3,140	*2,180	*2,180			*3,030	2,340	10.33
3.0m	kg									*4,060	*4,060	*3,620	*3,620	*2,990	2,920	*3,180	2,190	10.54
1.5m	kg			*11,630	*11,630	*6,880	*6,880	*5,070	*5,070	*4,190	3,870	*3,490	2,820			3,170	2,160	10.50
Ground	kg	*5,540	*5,540	*10,590	*10,590	*8,400	8,310	*5,960	5,270	*4,710	3,700	*3,480	2,730			3,280	2,230	10.22
-1.5m	kg	*7,800	*7,800	*11,920	*11,920	*9,220	8,010	*6,540	5,080	*5,060	3,580					3,590	2,450	9.67
-3.0m	kg	*10,330	*10,330	*14,530	*14,530	*9,340	7,940	*6,690	5,010	*5,090	3,550					*3,920	2,900	8.78
-4.5m	kg	*13,390	*13,390	*13,120	*13,120	*8,690	8,050	*6,230	5,080							*4,030	3,910	7.41
-6.0m	kg			*10,090	*10,090	*6,720	*6,720											

R220LC-9S LONG REACH

Boom : 8.2m / Arm : 6.3 m / Bucket : 0.52 m³ SAE heaped / Shoe : 800mm triple grouser

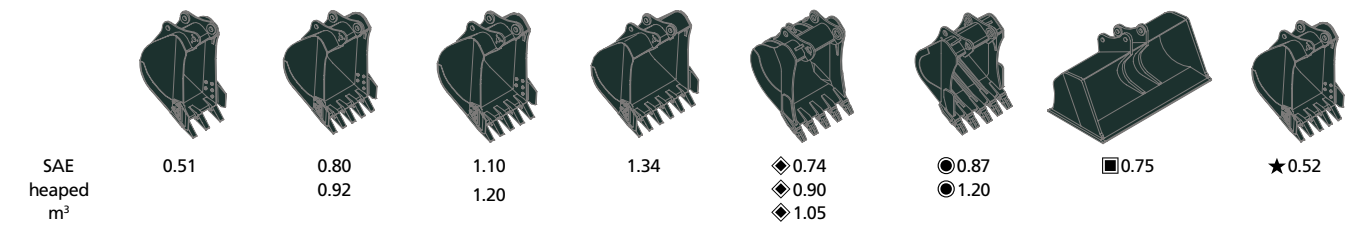
Load point height (m)	kg	Load radius												At max. reach				
		4.5m		6.0m		7.5m		9.0m		10.5m		12.0m		13.5m		Capacity		Reach (m)
10.0m	kg															*1,480	*1,480	12.11
9.0m	kg											*930	*930			*1,510	*1,510	13.11
7.5m	kg											*1,550	*1,550			*1,550	1,320	13.84
6.0m	kg											*1,600	*1,600	*1,610	*1,610	*1,600	1,160	14.37
4.5m	kg											*1,790	*1,790	*1,730	1,720	*1,260	*1,260	14.72
3.0m	kg											*2,020	*2,020	*1,880	1,630	*1,590	1,220	14.89
1.5m	kg	*5,620	*5,620	*3,940	*3,940	*3,090	*3,090	*2,590	*2,590	*2,270	2,000	*2,050	1,530	*1,790	1,170	*1,800	940	14.90
Ground	kg	*6,990	6,720	*4,770	4,490	*3,620	3,240	*2,950	2,430	*2,510	1,860	*2,220	1,440	*1,820	1,110	1,880	930	14.75
-1.5m	kg	*7,830	6,210	*5,390	4,120	*4,060	2,990	*3,260	2,260	*2,740	1,740	*2,380	1,360	*1,570	1,070	1,930	960	14.42
-3.0m	kg	*8,230	5,990	*5,780	3,920	*4,370	2,830	*3,490	2,140	*2,900	1,660	*2,490	1,310			2,030	1,020	13.92
-4.5m	kg	*8,310	5,940	*5,950	3,830	*4,540	2,740	*3,630	2,070	*3,000	1,620	2,510	1,290			*2,210	1,140	13.20
-6.0m	kg	*8,100	6,010	*5,900	3,840	*4,550	2,730	*3,640	2,060	*2,970	1,620					*2,340	1,330	12.25
-7.5m	kg	*7,580	6,180	*5,610	3,930	*4,350	2,790	*3,460	2,120	*2,740	1,690					*2,460	1,670	10.97
-9.0m	kg	*6,650	6,460	*4,980	4,110	*3,840	2,940	*2,930	2,260									
-10.5m	kg	*5,040	*5,040	*3,730	*3,730													

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.



Capacity m ³ (yd ³)	CECE heaped	Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)				
		Without side cutters	With side cutters		5,680 Boom				8,200 Boom
					2,000 Arm	2,400 Arm	2,920 Arm	3,900 Arm	6,300 Arm
0.51	0.45	700	820	570	●	●	●	■	-
0.80	0.70	1,000	1,120	700	●	●	●	▲	-
0.92	0.80	1,150	1,270	770	●	●	●	▲	-
1.10	0.96	1,320	1,440	830	●	●	■	▲	-
1.20	1.00	1,400	1,520	850	●	■	▲	-	-
1.34	1.15	1,550	1,670	920	■	■	▲	-	-
◆ 0.74	0.65	985	-	770	●	●	●	▲	-
◆ 0.90	0.80	1,095	-	810	●	●	●	▲	-
◆ 1.05	0.92	1,290	-	890	●	●	■	▲	-
● 0.87	0.75	1,140	-	900	●	●	●	▲	-
● 1.20	1.00	1,410	-	1,030	■	▲	-	-	-
■ 0.75	0.65	1,790	-	880	●	●	■	▲	-
★ 0.52	0.45	935	1,035	460	-	-	-	-	■

- ◆ Heavy duty bucket
- Rock-Heavy duty bucket
- Slope finishing bucket
- ★ Long reach bucket
- : Applicable for materials with density of 2,000 kg /m³ or less
- : Applicable for materials with density of 1,600 kg /m³ or less
- ▲ : Applicable for materials with density of 1,100 kg /m³ or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.68m(18'8"), 8.20m(26'11") Booms and 2.0m(6'7"), 2.4m(7'10"), 2.92m(9'7"), 3.90m(12'10"), 6.3m(20'8"). Arms are available.

DIGGING FORCE

Boom	Length	mm (ft.in)	5,680 (18' 8")				8,200	Remark
	Weight	kg (lb)	1,950 (4,300)				2,350	
Arm	Length	mm (ft.in)	2,000	2,400	2,920	3,900	6,300	[] : Power Boost
	Weight	kg (lb)	975	1,045	1,095	1,295	1,330	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	72.6	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	83.4	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	84.3 [91.6]	49.0	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	87.3 [94.8]	50.0	

Note : Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin.

STANDARD / OPTION

STANDARD EQUIPMENT
ISO Standard cabin
All-weather steel cab with 3600 visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window(LH)
Lockable door
Hot & cool box
Storage compartment & Ashtray
Radio & USB player
Cabin roof-steel cover
12 volt power outlet (24V DC to 12V DC converter)
Computer aided power optimization (New CAPO) system
3-power mode, 2-work mode, user mode
Auto deceleration & one-touch deceleration system
Auto warm-up system
Auto overheat prevention system
Automatic climate control
Air conditioner & heater
Defroster
Self-diagnostics system
Starting Aid (air grid heater) for cold weather
Centralized monitoring
LCD display
Engine speed or Trip meter / Accel
Clock
Gauges
Fuel level gauge
Engine coolant temperature gauge
Hyd. oil temperature gauge
Warnings
Check engine
Overload
Communication error
Low battery
Air cleaner clogging
Indicators
Max power
Low speed/High speed
Fuel warmer
Auto idle
Door and cab locks, one key
Two outside rearview mirrors
Fully adjustable suspension seat
Pilot-operated slidable joystick
Four front working lights (2 boom mounted, 2 front frame mounted)
Electric horn
Batteries (2 x 12V x 100 AH)
Battery master switch
Removable clean-out dust net for cooler
Automatic swing brake
Removable reservoir tank
Fuel pre-filter
Track shoes (600mm, 24")
Track rail guard
Accumulator for lowering work equipment
Electric transducer

OPTIONAL EQUIPMENT
Fuel filler pump (35 L/min)
Beacon lamp
Single-acting piping kit (breaker, etc.)
Double-acting piping kit (clamshell, etc.)
Quick coupler
Travel alarm
Booms
5.68 m, 18' 8"
8.2 m, 26' 11" Long reach
Arms
2.0 m, 6' 7"
2.4 m, 7' 10"
2.92 m, 9' 7"
3.9 m, 12' 10"
6.3 m, 20' 8" Long reach
Cabin FOPS/FOG (ISO/DIS 10262 Level II)
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin guard-front
Wire net
Fine net
Cabin ROPS (ISO 12117-2)
ROPS (Roll Over Protective Structure)
*R220LC-9S / 220-9S, R300LC-9S, R330LC-9S Only
Cabin lights
Cabin front window rain guard
Sun visor
Track shoes
Triple grouser shoe (700 mm, 28")
Triple grouser shoe (800 mm, 32")
Triple grouser shoe (900 mm, 36")
Double grouser shoe (700 mm, 28")
Full track rail guard - High walk only
Pre-heating system, coolant
Tool kit
Rearview camera
Seat
Mechanical suspension seat with heater
Hi-mate (Remote Management System)
Fuel warmer
Air compressor
Rear work lamp
Precleaner
4 Pattern changer
Cabin Rain Guard
MCV Under Cover
Boom holding system
Arm holding system
Lower frame under cover

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice.
- * All imperial measurements rounded off to the nearest pound or inch.

MEMO