

Robex

220LC-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES



*Photo may include optional equipment

 **HYUNDAI**
CONSTRUCTION EQUIPMENT AMERICAS, INC.

PRIDE AT WORK

Hyundai Heavy Industries 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!



Robex 220LC-9A

Machine Walk-Around



Engine Technology

Proven, reliable, fuel efficient, low emission and low noise
Cummins Tier 4 interim & EU stage III B engine

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 4 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock, arm regeneration

Enhanced Operator Cab

Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation
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
Heated suspension (standard) or optional air ride suspension with heat
New joystick consoles - now adjustable in height by pushing the button
Integrated seat with consoles - reduce the operator fatigue

Advanced 7" Color Cluster with Touch Screen

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 download capability

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

RMS (Remote Management System) 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

PRECISION

Innovative hydraulic system technologies make the 9A 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

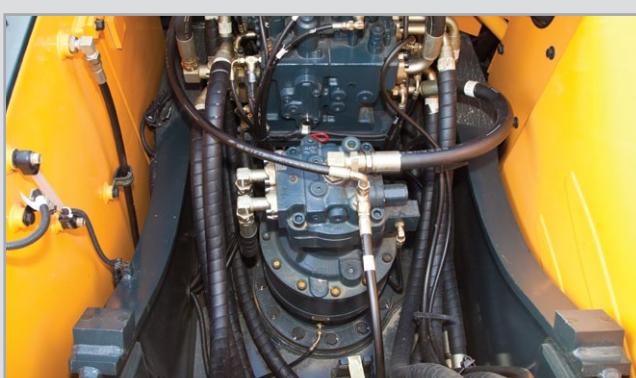


To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.

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 9A 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.

PERFORMANCE

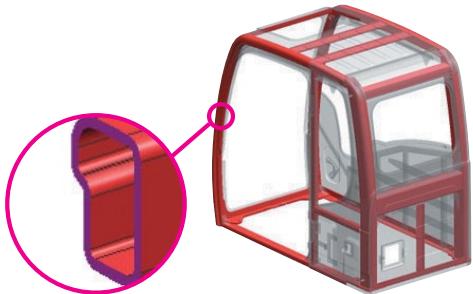
9A series is designed for maximum performance to keep the operator working productively.



*Photo may include optional equipment.

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.



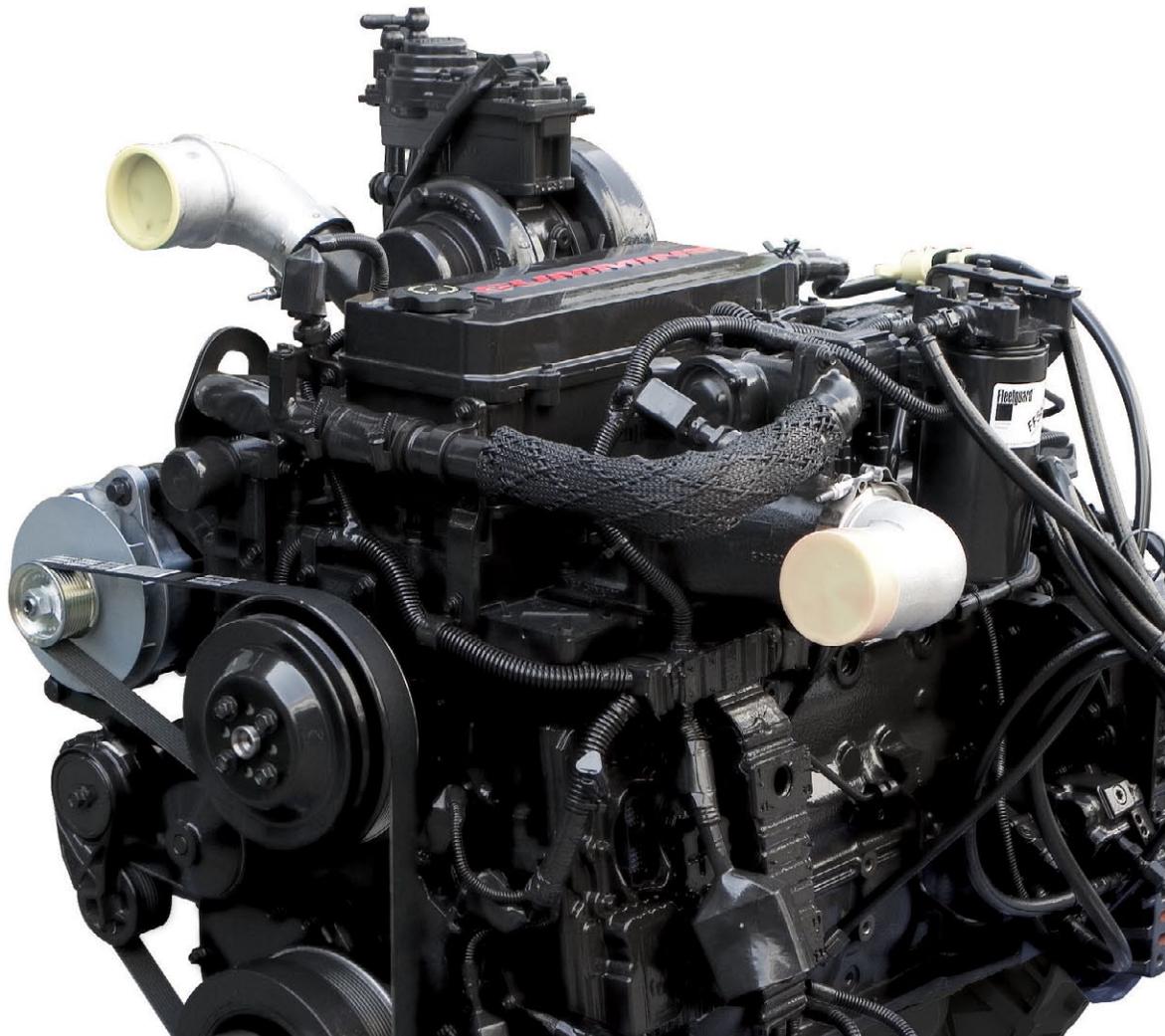
Structure Strength

The 9A 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.

The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

Cummins QSB6.7 Engine

QSB6.7 engine above 174 hp (130 kW) meet Tier 4 Interim/Stage III B emissions regulation with the combination of a proven cooled-EGR system, High Pressure Common Rail (HPCR) fuel system, Cummins Diesel Oxidation Catalyst and Particulate Filter. The QSB6.7 is also complemented by patented VGT™ Turbocharger, which continuously varies the airflow boost to precisely match engine rpm and load demands for optimal performance. This engine features the Cummins Direct Flow™ air filter, which has a smaller profile than radial filters. The result is an engine that fits into existing equipment, delivers better performance with faster cycle times and better fuel economy than the previous model.



PREFERENCE

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



*Photo may include optional equipment.

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 9A series cabin you can easily adjust the seat, console and armrest settings to best suit your comfort level. The seat integrated with console absorb console vibration by seat suspension and reduce operator's fatigue. New joystick consoles are adjustable in height by pushing the button. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, and the Radio / USB player.



Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9A 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 and MP3 capabilities, plus remotely located controls is perfect for listening to music favorites.

Operators can even talk on the phone with the hands-free cell phone feature. Also, the newly designed optional remote control offers mobile bluetooth-handsfree and radio cable-handsfree function.



Smart Key System (Option)

9A series excavators provide smart key system as an option. This allows the operator to start the engine by the push of a starter button without inserting a key in the ignition.



Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD with touch 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 video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

The newly applied FM transmitter application transmits signal to USB & Radio player with the same frequency as cluster. The player outputs the audio through the internal speaker in the cab. The video & firmware updates are possible with USB host support and an adjustable cluster hinge bracket improves cluster visibility.

Monitor Tilt Range



PROFITABILITY

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



*Photo may include optional equipment.

Fuel Efficiency

9A series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed fan clutch, two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



Hi-mate (Remote Management System)

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.



Easy Access

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



Long-Life Components

9A 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.

Specifications

ENGINE

MODEL		Cummins QSB6.7
Type		Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission
Rated flywheel horsepower	SAE	J1995 (gross) 167HP (124kW)/ 1,950rpm
		J1349 (net) 157HP (117kW)/ 1,950rpm
DIN	6271/1 (gross)	169PS (124kW)/ 1,950rpm
	6271/1 (net)	159PS (117kW)/ 1,950rpm
Max. torque		74.7kgf.m (540lbf.ft)/1,500rpm
Bore X stroke		107mm X 124mm (4.2" X 4.9")
Piston displacement		6,700cc (409 in³)
Batteries		2 X 12V X 100AH
Starting motor		24V, 4.8kW
Alternator		24V, 95Amp

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 228.2 L /min (60.3 US gpm/50.2 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/cm² (4,978 psi)
Travel	350 kgf/cm² (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,404 psi)
Swing circuit	265 kgf/cm² (3,769 psi)
Pilot circuit	40 kgf/cm² (568 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: 2-120 X1,290 mm (4.7" X 50.8") Arm: 1-140 X 1,510 mm (5.5" X 59.4") Bucket: 1-120 X 1,055 mm (4.7" X 41.5")
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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 (46,500lbf)
Max. travel speed (high / low)	5.7 km/hr (3.5 mph) / 3.6 km/hr (2.2 mph)
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
Lights	Two lights mounted on the boom, one light mounted on the battery box

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	10.7 rpm

COOLANT & LUBRICANT CAPACITY

Re-filling	liter	US gal	UK gal
Fuel tank	400	105.7	88.0
Engine coolant	35	9.2	7.7
Engine oil	23.7	6.3	5.2
Swing device	6	1.6	1.3
Final drive (each)	6	1.6	1.3
Hydraulic system (including tank)	275	72.6	60.5
Hydraulic tank	160	42.3	35.2

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.

Center 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

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

Shoes	Operating weight		Ground pressure	
	Type	Width mm (in)	kg (lb)	kgf/cm² (psi)
Triple grouser	600 mm (24")	R220LC-9A	21,900 (48,280)	0.46 (6.54)
		R220LC-9A H/W	23,360 (51,500)	0.50 (7.11)
	700 mm (28")	R220LC-9A	22,250 (49,050)	0.40 (5.69)
		R220LC-9A H/W	23,710 (52,270)	0.43 (6.11)
	800 mm (32")	R220LC-9A	22,515 (49,640)	0.36 (5.12)
		R220LC-9A H/W	23,975 (52,860)	0.38 (5.40)
	900 mm (36")	R220LC-9A	22,760 (50,180)	0.32 (4.55)
	700 mm (28")	R220LC-9A H/W	24,135 (53,210)	0.43 (6.11)

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m³ (yd³)	0.51 (0.67)	0.80 (1.05) 0.92 (1.20)	1.10 (1.44) 1.20 (1.57)	1.34 (1.75) ♦0.74 (0.97) ♦0.90 (1.18) ♦1.05 (1.37)	0.74 (1.14) 0.87 (1.14) 0.90 (1.18) 1.20 (1.57)	0.75 (0.98) 0.87 (1.14) 1.20 (1.57)	0.52 (0.68)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)				
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		5,680 (18' 8") Boom				8,200 (26' 11") Boom
		2,000 (6' 7") Arm	2,400 (7' 10") Arm		2,920 (9' 7") Arm	3,900 (12' 10") Arm	6,300 (20' 8") Arm		
0.51 (0.67)	0.45 (0.59)	700 (27.6)	820 (32.3)	570 (1,260)	●	●	●	●	-
0.80 (1.05)	0.70 (0.92)	1,000 (39.4)	1,120 (44.1)	700 (1,540)	●	●	●	●	-
0.92 (1.20)	0.80 (1.05)	1,150 (45.3)	1,270 (50.0)	770 (1,700)	●	●	●	□	-
1.10 (1.44)	0.96 (1.26)	1,320 (52.0)	1,440 (56.7)	830 (1,830)	●	●	□	▲	-
1.20 (1.57)	1.00 (1.31)	1,400 (55.1)	1,520 (59.8)	850 (1,870)	●	□	▲	▲	-
1.34 (1.75)	1.15 (1.50)	1,550 (61.0)	1,670 (65.7)	920 (2,030)	□	□	▲	-	-
♦ 0.74 (0.97)	0.65 (0.85)	985 (38.8)	-	770 (1,700)	●	●	●	●	-
♦ 0.90 (1.18)	0.80 (1.05)	1,070 (42.1)	-	810 (1,790)	●	●	●	□	-
♦ 1.05 (1.37)	0.92 (1.20)	1,290 (50.8)	-	890 (1,960)	●	●	□	▲	-
● 0.87 (1.14)	0.75 (0.98)	1,140 (44.9)	-	900 (1,980)	●	●	●	□	-
● 1.20 (1.57)	1.00 (1.31)	1,410 (55.5)	-	1,030 (2,270)	□	▲	-	-	-
□ 0.75 (0.98)	0.65 (0.85)	1,790 (70.5)	-	880 (1,940)	●	●	□	▲	-
★ 0.52 (0.68)	0.45 (0.59)	935 (36.8)	1,035 (40.7)	460 (1,010)	-	-	-	-	□

♦ Heavy duty bucket

□ Slope finishing bucket

● Rock-Heavy duty bucket

★ Long reach bucket

● : Applicable for materials with density of 2,000 kg /m³ (3,370 lb /yd³) or less

□ : Applicable for materials with density of 1,600 kg /m³ (2,700 lb /yd³) or less

▲ : Applicable for materials with density of 1,100 kg /m³ (1,850 lb /yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.68m & 8.2m Booms and 2.0m, 2.4m, 2.92m, 3.9m & 6.3m Arms are available.

DIGGING FORCE

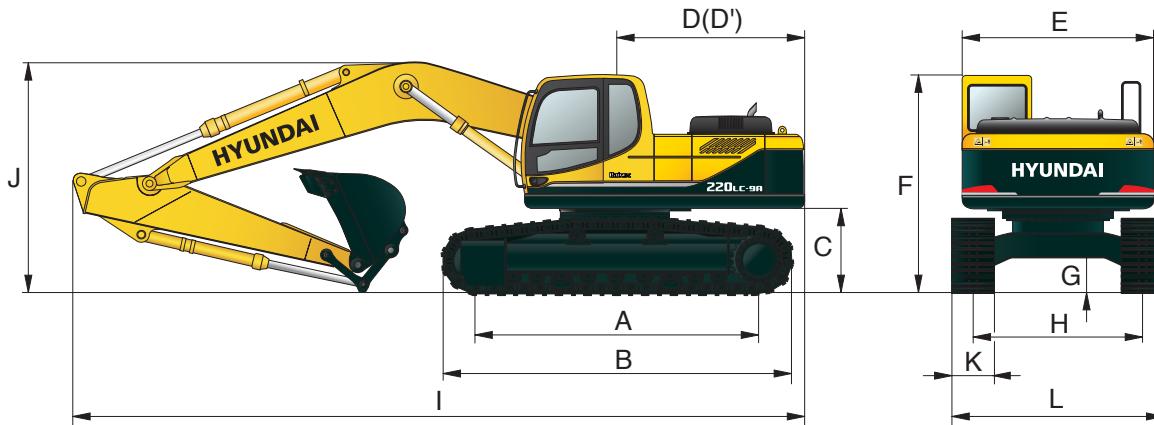
Boom	Length	mm (ft-in)	5,680 (18' 8")				8,200 (26' 11")	Remarks
			1,950 (4,300)					
Arm	Length	mm (ft-in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	6,300 (20' 8")	
		kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	1,330 (2,930)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	72.6	[]: Power Boost
		kgf	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	7400	
		lbf	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	16310	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	83.4	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	8500	
		lbf	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	18740	
	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	84.3 [91.6]	49.0	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	8600 [9340]	5000	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	18960 [20590]	11020	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	87.3 [94.8]	50.0	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	8900 [9660]	5100	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	19620 [21300]	11240	

Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Range

R220LC-9A DIMENSIONS

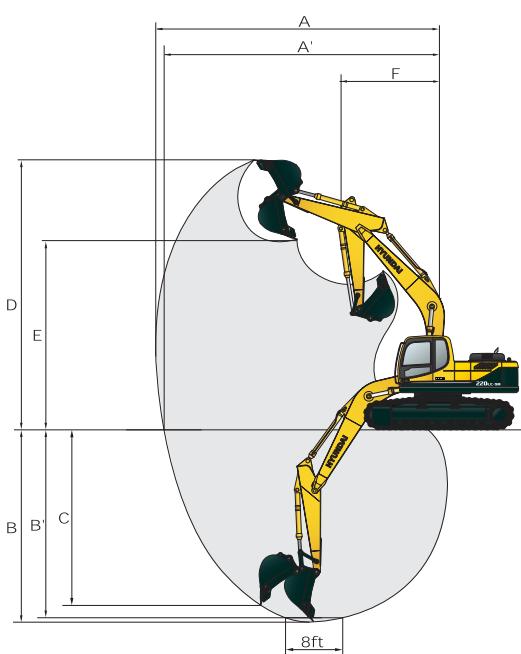


Unit : mm (ft · in)

A Tumbler distance	3,650 (11' 12")	Boom length	5,680 (18' 8")			8,200 (26' 11")
B Overall length of crawler	4,440 (14' 7")	Arm length	2,000 (6' 7") 2,400 (7' 10") 2,920 (9' 7") 3,900 (12' 10")			6,300 (20' 8")
C Ground clearance of counterweight	1,060 (3' 6")	I Overall length	9,650 (31' 8") 9,570 (31' 5") 9,530 (31' 3") 9,520 (31' 3")			12,030 (39' 6")
D Tail swing radius	2,840 (9' 4")	J Overall height of boom	3,200 (10' 6") 3,110 (10' 2") 3,030 (9' 11") 3,480 (11' 5")			3,280 (10' 9")
D' Rear-end length	2,770 (9' 1")	K Track shoe width	600 (24") 700 (28") 800 (32")			900 (36")
E Overall width of upperstructure	2,740 (8' 12")	L Overall width	2,990 (9' 10") 3,090 (10' 2") 3,190 (10' 6")			3,290 (10' 10")
F Overall height of cab	2,920 (9' 7")					
G Min. ground clearance	480 (1' 7")					
H Track gauge	2,390 (7' 10")					

R220LC-9A WORKING RANGE

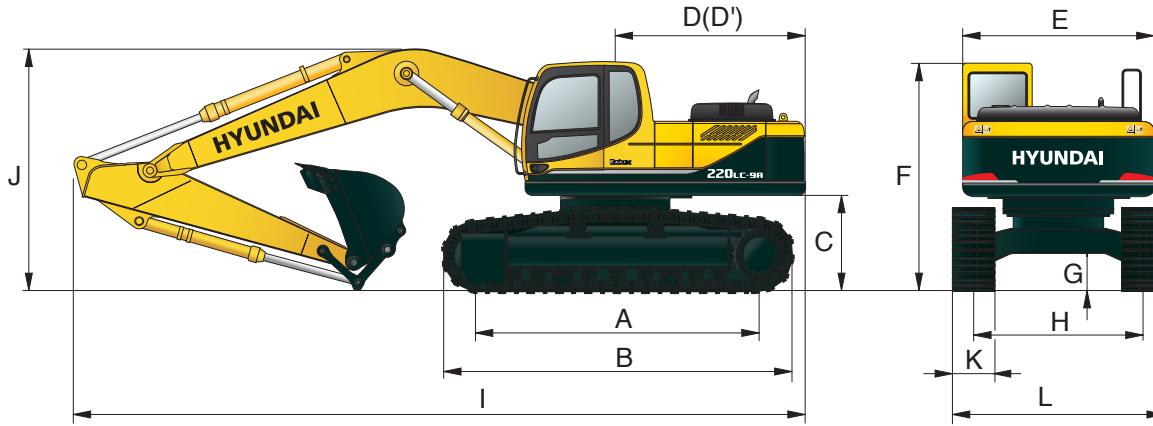
Unit : mm (ft · in)



Boom length	5,680 (18' 8")			8,200 (26' 11")
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A Max. digging reach	9,140 (29' 12")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10") 15,220 (49' 11")
A' Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4") 15,120 (49' 7")
B Max. digging depth	5,820 (19' 1")	6,220 (20' 5")	6,730 (22' 1")	7,720 (25' 4") 11,760 (38' 7")
B' Max. digging depth (8' level)	5,580 (18' 4")	6,010 (19' 9")	6,560 (21' 6")	7,580 (24' 10") 11,650 (38' 3")
C Max. vertical wall digging depth	5,280 (17' 4")	5,720 (18' 9")	6,280 (20' 7")	7,240 (23' 9") 9,610 (31' 6")
D Max. digging height	9,140 (29' 12")	9,340 (30' 8")	9,600 (31' 6")	10,110 (33' 2") 12,550 (41' 2")
E Max. dumping height	6,330 (20' 9")	6,520 (21' 5")	6,780 (22' 3")	7,290 (23' 11") 10,280 (33' 9")
F Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,740 (12' 3")	3,650 (11' 12") 4,870 (15' 12")

Dimensions & Working Range

R220LC-9A HIGH WALKER DIMENSIONS

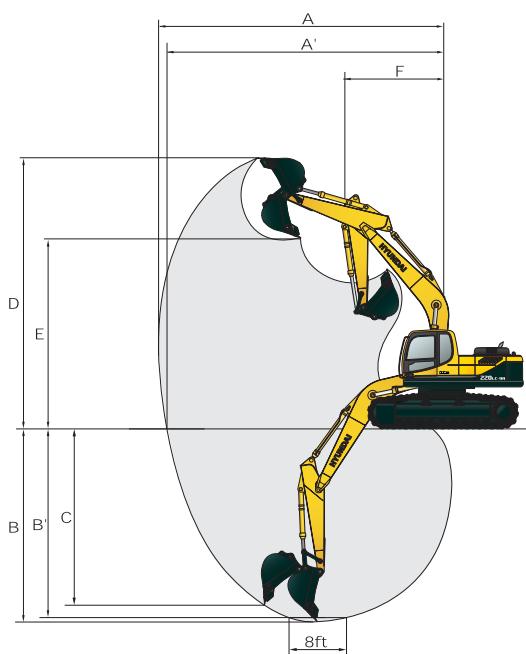


Unit : mm (ft · in)

A Tumbler distance	3,650 (11' 12")	Boom length	5,680 (18' 8")		
B Overall length of crawler	4,440 (14' 7")	Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
C Ground clearance of counterweight	1,240 (4' 1")	I Overall length	9,650 (31' 8")	9,550 (31' 4")	9,470 (31' 1")
D Tail swing radius	2,840 (9' 4")	J Overall height of boom	3,290 (10' 10")	3,170 (10' 5")	3,060 (10' 0")
D' Rear-end length	2,770 (9' 1")	K Track shoe width	Type	Triple grouser	
E Overall width of upperstructure	2,740 (8' 12")	Width	600 (24")	700 (28")	800 (32")
F Overall height of cab	3,100 (10' 2")	L Overall width	3,395 (11' 2")	3,495 (11' 6")	3,595 (11' 10")
G Min. ground clearance	660 (2' 2")				Double grouser
H Track gauge	2,790 (9' 2")				710 (28")

R220LC-9A HIGH WALKER WORKING RANGE

Unit : mm (ft · in)



Boom length	5,680 (18' 8")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A Max. digging reach	9,140 (29' 12")	9,500 (31' 2")	9,980 (32' 9")
A' Max. digging reach on ground	8,920 (29' 3")	9,290 (30' 6")	9,820 (32' 3")
B Max. digging depth	5,630 (18' 6")	6,010 (19' 9")	6,550 (21' 6")
B' Max. digging depth (8' level)	5,390 (17' 8")	5,820 (19' 1")	6,380 (20' 11")
C Max. vertical wall digging depth	5,090 (16' 8")	5,630 (18' 6")	6,100 (20' 0")
D Max. digging height	9,330 (30' 7")	9,530 (31' 3")	9,780 (32' 1")
E Max. dumping height	6,520 (21' 5")	6,710 (22' 0")	6,960 (22' 10")
F Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,740 (12' 3")

Lifting Capacity

R220LC-9A

 Rating over-front  Rating over-side or 360 degree

Boom : 5.68m (18' 8") / Arm : 2.0 m (6' 7") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
											m (ft)
7.5 m (25 ft) kg lb									*4010	*4010	6.65
6.0 m (20 ft) kg lb					*4440	*4440			*8840	*8840	(21.8)
4.5 m (15 ft) kg lb			*5730	*5730	*4860	4630			*4060	3040	7.78
3.0 m (10 ft) kg lb			*12630	*12630	*10710	10210			*8950	6700	(25.5)
1.5 m (5 ft) kg lb									*4190	2540	8.43
Ground Line kg lb									*9240	5600	(27.7)
-1.5 m (-5 ft) kg lb	*13990	12260	*9630	6070	*6990	3910			4820	2750	7.76
-3.0 m (-10 ft) kg lb	*12500	12500	*8820	6180	*6350	3990			10630	6060	(25.5)
-4.5 m (-15 ft) kg lb	*27560	27560	*19440	13620	*14000	8800			*4850	3650	6.61
									*10690	8050	(21.7)

Boom : 5.68m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach		
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity
											Reach
7.5 m (25 ft) kg lb									*3700	3640	7.15
6.0 m (20 ft) kg lb									*8160	8020	(23.5)
4.5 m (15 ft) kg lb									*3780	2760	8.20
3.0 m (10 ft) kg lb									*8330	6080	(26.9)
1.5 m (5 ft) kg lb									*4490	2340	8.82
Ground Line kg lb									*9900	5160	(28.9)
-1.5 m (-5 ft) kg lb	*9760	*9760	*13510	12060	*9650	6000	*6960	3850	4390	2480	8.18
-3.0 m (-10 ft) kg lb	*21520	*21520	*29780	26590	*21270	13230	*15340	8490	9680	5470	(26.8)
-4.5 m (-15 ft) kg lb	*14150	*14150	*13240	12280	*9090	6080	*6590	3900	*4700	3190	7.12
									*10360	7030	(23.4)

Boom : 5.68m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	Load radius								At max. reach			
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	
											Reach	
7.5 m (25 ft) kg lb									*3360	3150	7.78	
6.0 m (20 ft) kg lb									*7410	6940	(25.5)	
4.5 m (15 ft) kg lb									*3450	2460	8.74	
3.0 m (10 ft) kg lb									*5160	*7610	(28.7)	
1.5 m (5 ft) kg lb									*3580	2100	9.32	
Ground Line kg lb									*7890	4630	(30.6)	
-1.5 m (-5 ft) kg lb	*8810	*8810	*12610	11870	*9600	5940	*6870	3800	4860	2190	8.72	
-3.0 m (-10 ft) kg lb	*21420	*21420	*27800	26170	*21160	13100	*15150	8380	10710	5930	(28.6)	
-4.5 m (-15 ft) kg lb	*12190	*12190	*13980	12040	*9320	5960	*6740	3800		*4460	2710	7.75
										*9830	5970	(25.4)
										*4330	4080	6.16
										*9550	8990	(20.2)

1. Lifting capacity is based on SAE J1097, ISO 10567.

2. 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.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R220LC-9A

 Rating over-front  Rating over-side or 360 degree

Boom : 5.68m (18' 8") / Arm : 3.90 m (12' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach			
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach
m	ft														
9.0 m (30 ft)	kg lb													*2740	*2740 7.66
7.5 m (25 ft)	kg lb									*1980	*1980			*6040	*6040 (25.1)
6.0 m (20 ft)	kg lb									*4370	*4370			*2800	2420 8.94
4.5 m (15 ft)	kg lb									*2840	*2840			*6170	5340 (29.3)
3.0 m (10 ft)	kg lb									*6260	*6260			*2900	1960 9.77
1.5 m (5 ft)	kg lb			*11130	*11130	*6640	*6640	*4950	4220	*4120	2880	*3450	2040	2840 1510 10.52	
				*24540	*24540	*14640	*14640	*10910	9300	*9080	6350	*7610	4500	6260 3330 (34.5)	
Ground	kg	*5260	*5260	*10600	*10600	*8250	6130	*5860	3910	*4650	2710	*3530	1950	2930 1550 10.27	
Line	lb	*11600	*11600	*23370	*23370	*18190	13510	*12920	8620	*10250	5970	*7780	4300	6460 3420 (33.7)	
-1.5 m (-5 ft)	kg lb	*7500	*7500	*11650	11540	*9150	5810	*6490	3700	4750	2590	*2370	1900	3180 1700 9.75	
-3.0 m (-10 ft)	kg lb	*9990	*9990	*14350	11540	*9360	5720	*6700	3620	4710	2550			3710 2030 8.91	
-4.5 m (-15 ft)	kg lb	*12960	*12960	*13360	11780	*8830	5800	*6340	3670					*4030	2730 7.62
-6.0 m (-20 ft)	kg lb	*28570	*28570	*29450	25970	*19470	12790	*13980	8090					*8880	6020 (25.0)
				*10610	*10610	*7100	6080								
				*23390	*23390	*15650	13400								

R220LC-9A HIGH WALKER

 Rating over-front  Rating over-side or 360 degree

Boom : 5.68m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach			
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
m	ft														
7.5 m (25 ft)	kg lb													*3700	*3700 7.31
6.0 m (20 ft)	kg lb									*4050	*4050			*8160	*8160 (24.0)
4.5 m (15 ft)	kg lb									*8930	*8930			*3790	3480 8.30
3.0 m (10 ft)	kg lb									*15720	*15720	*11880	*10160	8600	8840 6190 (29.9)
1.5 m (5 ft)	kg lb									*19220	18450	*13710	11820	*11070	8310 8800 6130 (29.8)
Ground	kg			*9350	*9350	*9550	8080	*6790	5170	5290	3670	4210	2940	8.75	
Line	lb			*20610	*20610	*21050	17810	*14970	11400	11660	8090	9280	6480	(28.7)	
-1.5 m (-5 ft)	kg lb	*10290	*10290	*14180	*14180	*9620	8020	*6950	5100					*4650	3360 8.07
-3.0 m (-10 ft)	kg lb	*22690	*22690	*31260	*31260	*21210	17680	*15320	11240					*10250	7410 (26.5)
-4.5 m (-15 ft)	kg lb	*14760	*14760	*12990	*12990	*8950	8120	*6470	5170					*4690	4350 6.94
		*32540	*32540	*28640	*28640	*19730	17900	*14260	11400					*10340	9590 (22.8)
				*10150	*10150	*7020	*7020								
				*22380	*22380	*15480	*15480								

Boom : 5.68m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach			
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
m	ft														
7.5 m (25 ft)	kg lb													*3370	*3370 7.93
6.0 m (20 ft)	kg lb													*7430	*7430 (26.0)
4.5 m (15 ft)	kg lb									*4110	*4110	*3870	*3870	*3600	2740 9.37
3.0 m (10 ft)	kg lb			*10440	*10440	*6400	*6400	*4960	*4960	*4290	3930	3680	2560	9.60	
1.5 m (5 ft)	kg lb			*23020	*23020	*14110	*14110	*10930	*10930	*9460	8660	8110	5640	(31.5)	
		*8610	*8610	*8150	*8150	*8150	*8150	*5860	5380	*4760	3770	3650	2530	9.57	
		*18980	*18980	*17970	*17970	*17970	*17970	*12920	11860	*10490	8310	8050	5580	(31.4)	
Ground	kg			*9870	*9870	*9260	8080	*6560	5150	*5150	3640	3820	2650	9.25	
Line	lb			*21760	*21760	*20410	17810	*14460	11350	*11350	8020	8420	5840	(30.3)	
-1.5 m (-5 ft)	kg lb	*9210	*9210	*13090	*13090	*9600	7940	*6880	5040	5200	3590	4280	2980	8.62	
-3.0 m (-10 ft)	kg lb	*20300	*20300	*28860	*28860	*21160	17500	*15170	11110	11460	7910	9440	6570	(28.3)	
-4.5 m (-15 ft)	kg lb	*12660	*12660	*13780	*13780	*9230	7990	*6670	5060					*4470	3710 7.59
		*27910	*27910	*30380	*30380	*20350	17610	*14700	11160					*9850	8180 (24.9)
				*11470	*11470	*7860	*7860							*4250	*4250 5.89
				*25290	*25290	*17330	*17330							*9370	*9370 (19.3)

Lifting Capacity

R220LC-9A HIGH WALKER

 Rating over-front  Rating over-side or 360 degree

Boom : 5.68m (18' 8") / Arm : 3.90 m (12' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)	kg lb	Load radius								At max. reach					
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach
														m (ft)	
9.0 m (30 ft)	kg lb													*2750	7.86
7.5 m (25 ft)	kg lb													*6060	*6060 (25.8)
6.0 m (20 ft)	kg lb													*2810	*2810 9.06
4.5 m (15 ft)	kg lb													*6190	*6190 (29.7)
3.0 m (10 ft)	kg lb													*2850	2550 9.85
1.5 m (5 ft)	kg lb													*6280	*6420 (32.3)
Ground Line	kg lb	*11630	*11630	*6880	*6880	*5070	*5070	*4190	3770	*3490	2730	3070	2090	10.50	
		*25640	*25640	*15170	*15170	*11180	*11180	*9240	8310	*7690	6020	6770	4610	(34.4)	
-1.5 m (-5 ft)	kg lb	*10590	*10590	*8400	8100	*5960	5130	*4710	3590	*3480	2640	3180	2160	10.22	
-3.0 m (-10 ft)	kg lb	*11920	*11920	*11920	*9220	7800	*6540	4940	*5060	3480			3480	2370 9.67	
-4.5 m (-15 ft)	kg lb	*14530	*14530	*14530	*9340	7730	*6690	4870	5060	3450			*3920	2820 8.78	
-6.0 m (-20 ft)	kg lb	*13120	*13120	*13120	*8690	7840	*6230	4940					*4030	3800 7.41	
		*19160	*19160	17280	*13730	10890							*8880	8380 (24.3)	

Boom : 5.68m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32") triple grouser

Load point height m (ft)	kg lb	Load radius								At max. reach					
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
														m (ft)	
7.5 m (25 ft)	kg lb													*3700	7.31
6.0 m (20 ft)	kg lb													*8160	*8160 (24.0)
4.5 m (15 ft)	kg lb													*3790	3570 8.30
3.0 m (10 ft)	kg lb													*8360	7870 (27.2)
1.5 m (5 ft)	kg lb													*3920	3110 8.87
Ground Line	kg lb	*9350	*9350	*9550	8290	*6790	5310	*5320	3780	4340	3020	3020	8.75		
		*20610	*20610	*21050	18280	*14970	11710	*11730	8330	9570	6660	6660	(28.7)		
-1.5 m (-5 ft)	kg lb	*10290	*10290	*14180	*14180	*9620	8230	*6950	5240					*4650	3450 8.07
-3.0 m (-10 ft)	kg lb	*22690	*22690	*31260	*31260	*21210	18140	*15320	11550					*10250	7610 (26.5)
-4.5 m (-15 ft)	kg lb	*14760	*14760	*12990	*12990	*8950	8330	*6470	5310					*4690	4470 6.94
		*32540	*32540	*28640	*28640	*19730	18360	*14260	11710					*10340	9850 (22.8)

Boom : 5.68m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32") triple grouser

Load point height m (ft)	kg lb	Load radius								At max. reach					
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
														m (ft)	
7.5 m (25 ft)	kg lb													*3370	7.93
6.0 m (20 ft)	kg lb													*7430	*7430 (26.0)
4.5 m (15 ft)	kg lb													*2700	3460 8.83
3.0 m (10 ft)	kg lb													*5950	*7630 (29.0)
1.5 m (5 ft)	kg lb													*4110	3870 9.37
Ground Line	kg lb	*10440	*10440	*6440	*6440	*4960	*4960	*4290	4030	*3760	2640	2640	9.60		
		*23020	*23020	*14110	*14110	*10930	*10930	*9460	8880	*8290	5820	5820	(31.5)		
-1.5 m (-5 ft)	kg lb	*8610	*8610	*8150	*8150	*5860	5520	*4760	3870	3760	2610	2610	9.57		
-3.0 m (-10 ft)	kg lb	*18980	*18980	*17970	*17970	*12920	12170	*10490	8530	8290	5750	5750	(31.4)		
-4.5 m (-15 ft)	kg lb	*9210	*9210	*13090	*9600	8150	*6880	5180	*5300	3690	*4340	3060	8.62		
		*20300	*20300	*28860	*28860	*21160	17970	*15170	11420	*11680	8140	*9570	6750 (28.3)		
-1.5 m (-5 ft)	kg lb	*12660	*12660	*13780	*13780	*9230	8200	*6670	5200					*4470	3810 7.59
-3.0 m (-10 ft)	kg lb	*27910	*27910	*30380	*30380	*20350	18080	*14700	11460					*9850	8400 (24.9)
-4.5 m (-15 ft)	kg lb													*4250	*4250 5.89
														*9370	*9370 (19.3)

Lifting Capacity

R220LC-9A HIGH WALKER

Boom : 5.68m (18' 8") / Arm : 3.90 m (12' 10") / Bucket : 0.92 m³ (1.20 yd³) SAE heaped / Shoe : 800mm (32") triple grouser

Rating over-front Rating over-side or 360 degree

Load point height m (ft)	Load radius										At max. reach				
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach	
													m (ft)		
9.0 m (30 ft)	kg lb												*2750 *6060	2750 6060 (25.8)	
7.5 m (25 ft)	kg lb												*2810 *6190	2810 6190 (29.7)	
6.0 m (20 ft)	kg lb												*2910 *6420	2620 5780 (32.3)	
4.5 m (15 ft)	kg lb												*3140 *6920	2340 5160 (33.9)	
3.0 m (10 ft)	kg lb												*3620 *8950	2190 4830 (34.6)	
1.5 m (5 ft)	kg lb												*4060 *11630	2160 3170 (34.4)	
Ground Line	kg lb	*5540 *12210	*5540 *12210	*10590 *23350	*10590 *23350	*8400 *18520	8310 18320	*5960 *13140	5270 11620	*4710 *10380	3700 8160	*3480 *7670	2730 6020	3280 7230 (33.5)	
-1.5 m (-5 ft)	kg lb	*7800 *17200	*7800 *17200	*11920 *26280	*11920 *26280	*9220 *20330	8010 17660	*6540 *14420	5080 11200	*5060 *11160	3580 7890			3590 7910	2450 5400 (31.7)
-3.0 m (-10 ft)	kg lb	*10330 *22770	*10330 *22770	*14530 *32030	*14530 *32030	*9340 *20590	7940 17500	*6690 *14750	5010 11050	*5090 *11220	3550 7830			*3920 *8640	2900 6390 (28.8)
-4.5 m (-15 ft)	kg lb	*13390 *29520	*13390 *29520	*13120 *28920	*13120 *28920	*8690 *19160	8050 17750	*6230 *13730	5080 11200					*4030 *8880	3910 8620 (24.3)
-6.0 m (-20 ft)	kg lb														

R210LC-9 LONG REACH

Rating over-front Rating over-side or 360 degree

Boom : 8.2m (26' 11") / Arm : 6.3 m (20' 8") / Bucket : 0.52 m³ (0.68 yd³) SAE heaped / Shoe : 800mm (32") triple grouser

Load point height m (ft)	Load radius										At max. reach			Capacity		Reach	
	4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12.0 m (40 ft)		13.5 m (45 ft)		Capacity		Reach
															m (ft)		
10.5 m (35 ft)	kg lb														*1480 *3260	*1480 *3260 (39.7)	
9.0 m (30 ft)	kg lb														*1510 *3330	*1510 *3330 (43.0)	
7.5 m (25 ft)	kg lb														*1550 *3420	1320 2910 (45.4)	
6.0 m (20 ft)	kg lb														*1600 *3530	*1610 *3550	1160 2560 (47.1)
4.5 m (15 ft)	kg lb														*1790 *3950	*1730 *3810	1720 3790
3.0 m (10 ft)	kg lb														*2020 *4450	*2020 *4450	1720 3780
1.5 m (5 ft)	kg lb	*5620 *12390	*5620 *12390	*3940 *8690	*3940 *8690	*3090 *6810	*3090 *6810	*2590 *5710	*2590 *5710	*2270 *5000	2000 4410	*2050 *4520	1530 3370	*1790 *3950	1170 2580	*1800 *3970	940 2070 (48.9)
Ground Line	kg lb	*6990 *15410	6720 14820	*4770 *10520	4490 9900	*3620 *7980	3240 7140	*2950 *6500	2430 5360	*2510 *5530	1860 4100	*2220 *4890	1440 3170	*1820 *4010	1110 2450	1880 4140	930 2050 (48.4)
-1.5 m (-5 ft)	kg lb	*7830 *17260	6210 13690	*5390 *11880	4120 9080	*4060 *8950	2990 6590	*3260 *7190	2260 4980	*2740 *6040	1740 3840	*2380 *5250	1360 3000	*1570 *3460	1070 2360	1930 4250	960 2120 (47.3)
-3.0 m (-10 ft)	kg lb	*8230 *18140	5990 13210	*5780 *12740	3920 8640	*4370 *9630	2830 6240	*3490 *7690	2140 4720	*2900 *6390	1660 3660	*2490 *5490	1310 2890			2030 4480	1020 2250 (45.7)
-4.5 m (-15 ft)	kg lb	*8310 *18320	5940 13100	*5950 *13120	3830 8440	*4540 *10010	2740 6040	*3630 *8000	2070 4560	*3000 *6610	1620 3570	*2510 *5530	1290 2840			*2210 *4870	1140 2510 (43.3)
-6.0 m (-20 ft)	kg lb	*8100 *17860	6010 13250	*5900 *13010	3840 8470	*4550 *10030	2730 6020	*3640 *8020	2060 4540	*2970 *6550	1620 3570					*2340 *5160	1330 2930 (40.2)
-7.5 m (-25 ft)	kg lb	*7580 *16710	6180 13620	*5610 *12370	3930 8660	*4350 *9590	2790 6150	*3460 *7630	2120 4670	*2740 *6040	1690 3730					*2460 *5420	1670 3680 (36.0)
-9.0 m (-30 ft)	kg lb	*6650 *14660	6460 14240	*4980 *10980	4110 9060	*3840 *8470	2940 6480	*2930 *6460	2260 4980								
-10.5 m (-35 ft)	kg lb	*5040 *11110	*5040 *11110	*3730 *8220	*3730 *8220												

1. Lifting capacity is based on SAE J1097, ISO 10567.

2. 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.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates the load limited by hydraulic capacity.

STANDARD EQUIPMENT

ISO Standard cabin

All-weather steel cab with 360° 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

Handsfree mobile phone system with USB

Transparent cabin roof-cover

12 volt power outlet (24V DC to 12V DC converter)

Sun visor

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

Three outside rearview mirrors

Mechanical suspension seat with heater

Pilot-operated slideable joystick

Console box height adjust system

Four front working lights

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 with fuel warmer

Boom holding system

Arm holding system

Track shoes (600mm, 24")

Track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover (Normal)

Viscous fan clutch

OPTIONAL EQUIPMENT

Fuel filler pump (50 L/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Quick coupler

Travel alarm

Booms

5.68 m, 18' 8"

5.68 m, 18' 8" Heavy duty

8.2 m, 26' 11" Long reach

Arms

2.0 m, 6' 7"

2.4 m, 7' 10"

2.92 m, 9' 7"

2.92 m, 9' 7" Heavy duty

3.9 m, 12' 10"

6.3 m, 20' 8" Long reach

Climate control

Air conditioner only

Heater only

Cabin FOPS/FOG (ISO/DIS 10262 Level II)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin ROPS (ISO 12117-2)

ROPS (Roll Over Protective Structure)

Cabin guard front

Wire net

Fine net

Cabin roof-steel cover

Cabin lights

Cabin front window rain guard

Track shoes

Triple grousers shoe (700 mm, 28")

Triple grousers shoe (800 mm, 32")

Triple grousers shoe (900 mm, 36")

Double grousers shoe (700 mm, 28")

Full track rail guard(High walker only)

Lower frame under cover (Additional)

Tool kit

Rearview camera

Seat

Adjustable air suspension seat

Adjustable air suspension seat with heater

Mechanical suspension seat

Pattern change valve (2 patterns)

Hi-mate (Remote Management System)

Air compressor

Rear work lamp

PLEASE CONTACT

* 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.