

MOVING YOU **FURTHER**

Robex
210W-9S

With Tier 2 Engine installed



*Photo may include optional equipment.

PLEASE CONTACT

 **HYUNDAI CONSTRUCTION EQUIPMENT**

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 210w-9s

Machine Walk-Around

Engine Technology

Proven and reliable, fuel efficient HYUNDAI HM 5.9
Low noise / Auto engine warm up feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control system 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 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 safety lock, power boost, arm-in regeneration control, boom priority(swing logic valve control)
Remotely mounted fuel, engine oil and case drain filters for maximum convenience while servicing

Carrier

Heavy duty carrier frame with two speed powershift transmission
Heavy duty drive line and axles / Front axle oscillation +/- 7 degrees with ram lock
Wet disc brake (front & rear) / Automatic parking brake - spring applied, hydraulically released

Improved Steering Column

Slim-profile steering column capable of telescoping 60 mm and tilting 30 degrees

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
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 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

Hi MATE (Remote Management System) works through GPS/Satellite technology to ultimately provide better customer service and support



*Photo may include optional equipment.

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.

Operator Comfort

In a 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. Improved steering wheel telescope and tilt functions provide operators improved access. A fully automatic, high capacity airconditioning system maintains a constant preferred temperature.



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 and start-up machine security were integrated into the cluster to make the machine more versatile and the operator more productive.



*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.

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 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 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

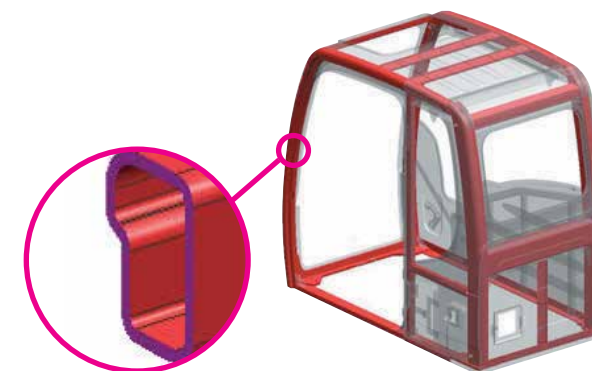
This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.



*Photo may include optional equipment.

Performance

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



Structural Strength

The 9S series cabin structure has been fitted with stronger but slimmer tubing for more safety and better visibility. Low-stress and high strength steel was integrally welded to form a strong and stable lower frame. Structural durability was evaluated and tested by means 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.



Improved Durability

9S series excavators are equipped with stainless spring guards to protect the hoses from external damages. Both dozer and outrigger are equipped with cylinder guards for added protection.

New Auto Ram Lock System

During not traveling in work-mode, a new auto ram lock system is available to improve operating safety.



HYUNDAI HM5.9

The Hyundai HM5.9 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.

*Photo may include optional equipment.

Profitability

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



*Photo may include optional equipment.

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.



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 9S Series.



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.

Specifications

ENGINE

MODEL			HYUNDAI HM 5.9
Type			Water cooled, 4 cycle diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled and low emission.
Rated flywheel horsepower	SAE	J1995 (gross)	178 HP (133 kW)/ 2,000 rpm
		J1349 (net)	163 HP (121 kW)/ 2,000 rpm
	DIN	6271/1 (gross)	180 PS (133 kW)/ 2,000 rpm
		6271/1 (net)	165 PS (121 kW)/ 2,000 rpm
Max. torque			72.2 kgf-m(522 lbf-ft) at 1,500 rpm
Bore X stroke			102 x 120 mm (4" x 4.7")
Piston displacement			5,880 cc (359 in³)
Batteries			2 x 12 V x 100 AH
Starting motor			24V-4.5 kW
Alternator			24V-90 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Rated flow	2 X 192 L /min
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Variable displacement bent-axis axial pistons motor
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm² (4,980 psi)
Travel	380 kgf/cm² (5,400 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,400 psi)
Swing circuit	265 kgf/cm² (3,770 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom : 2-120 x 1,290 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")
	Blade : 2-125 x 222 mm (4.9" x 8.7")
	Outrigger : 2-130 x 427 mm (5.1" x 16.8")

DRIVES & BRAKES

4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides

2 forward and reverse travel speeds.

Max. drawbar pull			11,900 kgf (26,240 lbf)
Travel speed	1st	8.7 km/h (5.4 mph)	
	2nd	30 km/h (18.6 mph)	
Gradeability			34° (67.4 %)

Parking brake : Independent dual brake, front and rear axle full hydraulic power brake.

- Spring released and hydraulic applied wet type multiple disk brake.

- Transmission is locked at neutral position for parking, automatically.

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)
Engine throttle	Electric, Dial type

AXLE & WHEEL

Full floating front axle is supported by center pin for ocillation. It can be locked by ocillation lock cylinders. Rear axle is fixed on the lower chassis.

Tires	10.00-20-14PR, Dual(tube type)
(optional)	10.00-20, Dual(solid type)

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake(option)	Multi wet disc
Swing speed	10.5 rpm

STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.

Min. turning radius	6,690 mm(21' 11")
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COOLANT & LUBRICANT CAPACITY

(): option

Re-filling	liter	US gal	UK gal
Fuel tank	310.0	81.9	68.2
Engine coolant	35.0	9.2	7.7
Engine oil	14.2	3.8	3.1
Swing device - gear oil	5.0(6.2)	1.3(1.05)	1.1(0.9)
Axle Front Rear	14.6	3.9	3.2
	18.5	4.9	4.1
Hydraulic system (including tank)	340.0	89.8	74.8
Hydraulic tank	165.0	43.6	36.3

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress.

Dozer blade and outriggers are available. A pin-on design.

Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the front or the rear.

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,650mm (18' 6") boom, 2,920mm (9' 7") arm, SAE heaped 0.80m³ (1.05yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

MAJOR COMPONENT WEIGHT	
Upperstructure	5,240 kg (11,550 lb)
Boom(with arm cylinedr)	1,790 kg (3,950 lb)
Arm(with bucket cylinder)	1,095 kg (2,410 lb)

OPERATING WEIGHT	
Front outrigger and rear blade	20,500 kg (45,190 lb)
Front and rear outrigger	20,600 kg (45,420 lb)
Front blade and rear outrigger	20,600 kg (45,420 lb)

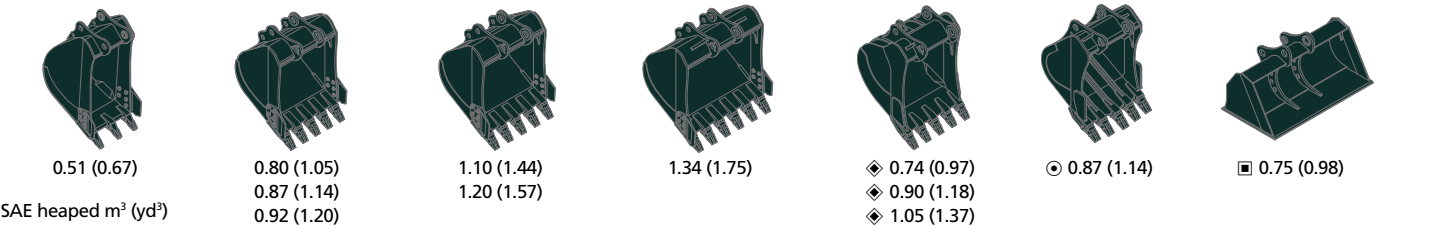
AIR CONDITIONING SYSTEM

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.

BUCKETS

All buckets are welded with high-strength steel.



Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)		
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		5,650 (18' 6") Boom		
					2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") 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)	●	●	●
0.87(1.14)	0.75(0.98)	1,090(42.9)	1,210(47.6)	740(1,630)	●	●	●
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)	1,095(43.1)	-	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)	●	●	■
▣ 0.75(0.98)	0.65(0.85)	1,790(70.5)	-	880(1,940)	●	●	■

◆ Heavy duty bucket ◎Rock-heavy duty bucket ● : Applicable for materials with density of 2,000 kg /m³ (3,370 lb/ yd³) or less
▣ Slope finishing bucket ■ : 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

Boom and arms are welded with a low-stress, full-box section design. 5.65m (18' 6") boom and 2.0m (6' 7"), 2.4m (7' 10"), 2.92m (9' 7") arms are available.

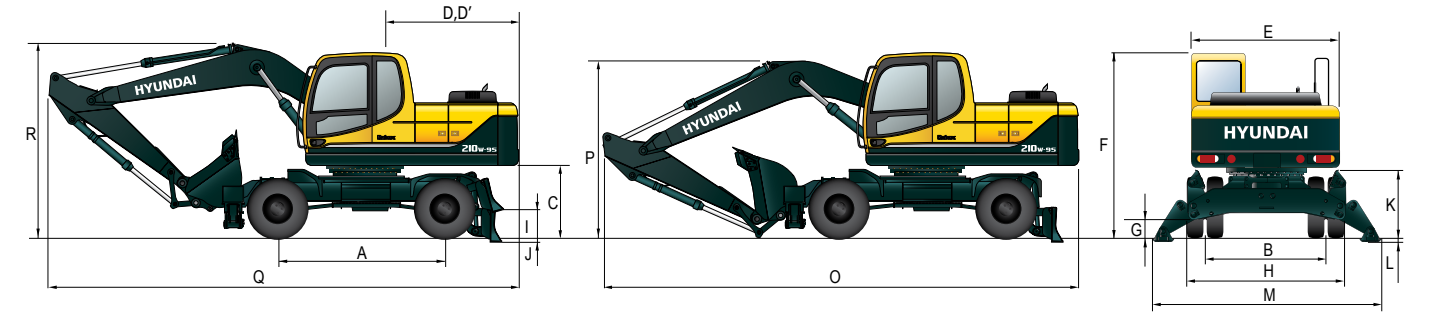
DIGGING FORCE

Boom	Length	mm (ft-in)	5,650 (18' 6")			Remarks
	Weight	kg (lb)	1,790 (3,950)			
Arm	Length	mm (ft-in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	[]: Power Boost
		kgf	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	
		lbf	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	
		kgf	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	
		lbf	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	
		kgf	14,700 [15,960]	12,200 [13,250]	10,400 [11,290]	
		lbf	32,410 [35,190]	26,900 [29,210]	22,930 [24,900]	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	
		kgf	15,400 [16,720]	12,800 [13,900]	10,900 [11,830]	
		lbf	33,950 [36,860]	28,220 [30,640]	24,030 [26,090]	

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

Dimensions & Working Range

R210W-9S DIMENSIONS

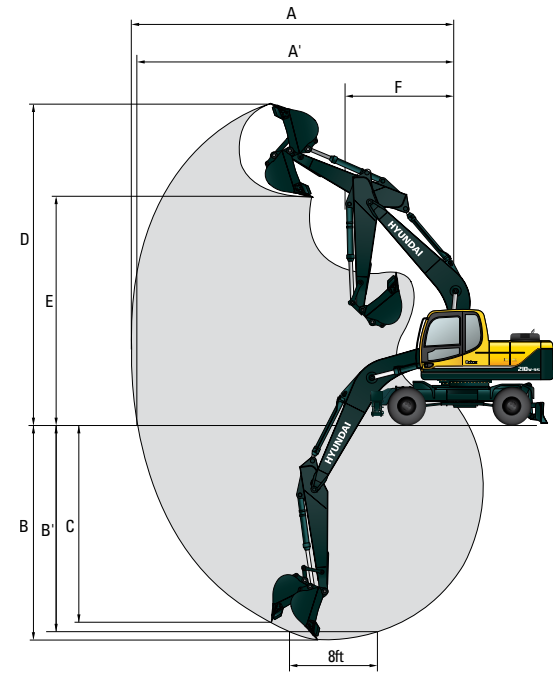


Unit : mm (ft . in)	
A Wheel base	2,800 (9' 2")
B Tread	1,914 (6' 3")
C Ground clearance of counterweight	1,305 (4' 3")
D Tail swing radius	2,800 (9' 2")
D' Rear-end length	2,765 (9' 1")
E Overall width of upperstructure	2,530 (8' 4")
F Overall height of cap	3,180 (10' 5")
G Min. ground clearance	345 (1' 2")
H Overall width of lower structure	2,495 (8' 2")
I Ground clearance of blade up	445 (1' 6")
Depth of blade down	125 (0' 5")
J Height of blade	610 (2' 0")
Width of blade	2,490 (8' 2")
K Ground clearance of outrigger up	1,220 (4' 0")
L Depth of outrigger down	120 (0.5")
M Overall width of outrigger	3,770 (12' 4")

Unit : mm (ft . in)			
Boom length	5,650 (18' 6")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
O Shipping length of boom	9,680 (31' 9")	9,570 (31' 5")	9,500 (31' 2")
P Shipping height of boom	3,350 (10' 12")	3,240 (10' 8")	3,150 (10' 4")
Q Traveling length of boom	9,590 (31' 6")	9,540 (31' 3")	9,380 (30' 1")
R Traveling height of boom	3,720 (12' 2")	3,650 (11' 9")	4,020 (13' 2")

R210W-9S WORKING RANGE

Unit : mm (ft . in)			
Boom length	5,650 (18' 6")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A Max. digging reach	9,110 (29' 11")	9,480 (31' 1")	9,960 (32' 8")
A' Max. digging reach on ground	8,870 (29' 1")	9,260 (30' 5")	9,750 (32' 12")
B Max. digging depth	5,480 (17' 12")	5,880 (19' 3")	6,380 (20' 11")
B' Max. digging depth (8' level)	5,240 (17' 2")	5,670 (18' 7")	6,210 (20' 4")
C Max. vertical wall digging depth	4,970 (16' 4")	5,470 (17' 11")	5,810 (19' 1")
D Max. digging height	9,500 (31' 2")	9,730 (31' 11")	10,000 (32' 10")
E Max. dumping height	6,670 (21' 11")	6,900 (22' 8")	7,160 (23' 6")
F Min. swing radius	3,700 (12' 2")	3,620 (11' 11")	3,580 (11' 9")



Lifting Capacity

R210W-9S

 Rating over-front  Rating over-side or 360 degree

Boom : 5.65 m (18' 6") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Front outrigger and rear dozer blade down

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	kg											*3,810	3,690	7.34
(25 ft)	lb											*8,400	8,140	(24.1)
6.0 m	kg							*4,150	*4,150			*3,910	2,890	8.31
(20 ft)	lb							*9,150	*9,150			*8,620	6,370	(27.3)
4.5 m	kg					*5,500	*5,500	*4,710	*4,710	*4,390	3,350	*4,050	2,500	8.87
(15 ft)	lb					*12,130	*12,130	*10,380	*10,380	*9,680	7,390	*8,930	5,510	(29.1)
3.0 m	kg					*7,330	*7,330	*5,550	4,700	*4,760	3,230	*4,230	2,320	9.10
(10 ft)	lb					*16,160	*16,160	*12,240	10,360	*10,490	7,120	*9,330	5,110	(29.9)
1.5 m	kg					*8,950	6,970	*6,390	4,450	*5,180	3,110	*4,430	2,300	9.05
(5 ft)	lb					*19,730	15,370	*14,090	9,810	*11,420	6,860	*9,770	5,070	(29.7)
Ground	kg			*9,840	*9,840	*9,780	6,720	*6,980	4,290	*5,480	3,030	*4,640	2,440	8.70
Line	lb			*21,690	*21,690	*21,560	14,820	*15,390	9,460	*12,080	6,680	*10,230	5,380	(28.5)
-1.5 m	kg	*10,680	*10,680	*14,730	14,050	*9,850	6,680	*7,130	4,230			*4,830	2,820	8.00
(-5 ft)	lb	*23,550	*23,550	*32,470	30,970	*21,720	14,730	*15,720	9,330			*10,650	6,220	(26.2)
-3.0 m	kg	*15,190	*15,190	*13,270	*13,270	*9,140	6,780	*6,600	4,300			*4,870	3,730	6.84
(-10 ft)	lb	*33,490	*33,490	*29,260	*29,260	*20,150	14,950	*14,550	9,480			*10,740	8,220	(22.4)
-4.5 m	kg			*10,270	*10,270	*7,070	*7,070							
(-15 ft)	lb			*22,640	*22,640	*15,590	*15,590							

Boom : 5.65 m (18' 6") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Front outrigger and rear dozer blade up

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	kg											*3,810	2,180	7.34
(25 ft)	lb											*8,400	4,810	(24.1)
6.0 m	kg							*4,150	3,110			3,310	1,630	8.31
(20 ft)	lb							*9,150	6,860			7,300	3,590	(27.3)
4.5 m	kg					*5,500	4,770	*4,710	2,930	3,840	1,900	2,890	1,350	8.87
(15 ft)	lb					*12,130	10,520	*10,380	6,460	8,470	4,190	6,370	2,980	(29.1)
3.0 m	kg					*7,330	4,220	5,400	2,690	3,730	1,800	2,700	1,220	9.10
(10 ft)	lb					*16,160	9,300	11,900	5,930	8,220	3,970	5,950	2,690	(29.9)
1.5 m	kg					8,100	3,780	5,140	2,470	3,600	1,690	2,680	1,200	9.05
(5 ft)	lb					17,860	8,330	11,330	5,450	7,940	3,730	5,910	2,650	(29.7)
Ground	kg			*9,840	6,700	7,850	3,570	4,970	2,320	3,520	1,610	2,840	1,280	8.70
Line	lb			*21,690	14,770	17,310	7,870	10,960	5,110	7,760	3,550	6,260	2,820	(28.5)
-1.5 m	kg	*10,680	*10,680	*14,730	6,770	7,800	3,530	4,920	2,270			3,270	1,520	8.00
(-5 ft)	lb	*23,550	*23,550	*32,470	14,930	17,200	7,780	10,850	5,000			7,210	3,350	(26.2)
-3.0 m	kg	*15,190	*15,190	*13,270	6,960	7,900	3,620	4,990	2,330			4,290	2,080	6.84
(-10 ft)	lb	*33,490	*33,490	*29,260	15,340	17,420	7,980	11,000	5,140			9,460	4,590	(22.4)
-4.5 m	kg			*10,270	7,350	*7,070	3,880							
(-15 ft)	lb			*22,640	16,200	*15,590	8,550							

1. Lifting capacity is based on 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

R210W-9S

 Rating over-front  Rating over-side or 360 degree

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger down

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)
9.0 m	kg											*3,410	*3,410	6.52
(30 ft)	lb											*7,520	*7,520	(21.4)
7.5 m	kg											*3,470	*3,470	7.96
(25 ft)	lb											*7,650	*7,650	(26.1)
6.0 m	kg									*2,690	*2,690	*3,580	3,140	8.85
(20 ft)	lb									*5,930	*5,930	*7,890	6,920	(29.0)
4.5 m	kg							*4,210	*4,210	*3,980	*3,980	*3,720	2,770	9.37
(15 ft)	lb							*9,280	*9,280	*8,770	*8,770	*8,200	6,110	(30.7)
3.0 m	kg			*10,720	*10,720	*6,550	*6,550	*5,090	*5,090	*4,410	3,970	*3,890	2,600	9.59
(10 ft)	lb			*23,630	*23,630	*14,440	*14,440	*11,220	11,220	*9,720	8,750	*8,580	5,730	(31.5)
1.5 m	kg			*8,900	*8,900	*8,350	*8,350	*6,020	5,510	*4,900	3,820	*4,080	2,570	9.54
(5 ft)	lb			*19,620	*19,620	*18,410	*18,410	*13,270	12,150	*10,800	8,420	*8,990	5,670	(31.3)
Ground	kg			*10,210	*10,210	*9,470	8,490	*6,730	5,290	*5,300	3,710	*4,290	2,710	9.21
Line	lb			*22,510	*22,510	*20,880	18,720	*14,840	11,660	*11,680	8,180	*9,460	5,970	(30.2)
-1.5 m	kg	*9,470	*9,470	*13,480	*13,480	*9,820	8,360	*7,060	5,190	*5,440	3,660	*4,500	3,060	8.56
(-5 ft)	lb	*20,880	*20,880	*29,720	*29,720	*21,650	18,430	*15,560	11,440	*11,990	8,070	*9,920	6,750	(28.1)
-3.0 m	kg	*12,940	*12,940	*14,070	*14,070	*9,430	8,410	*6,830	5,220			*4,640	3,860	7.50
(-10 ft)	lb	*28,530	*28,530	*31,020	*31,020	*20,790	18,540	*15,060	11,510			*10,230	8,510	(24.6)
-4.5 m	kg			*11,670	*11,670	*7,990	*7,990							
(-15 ft)	lb			*25,730	*25,730	*17,610	*17,610							

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger up

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)
9.0 m	kg											*3,410	2,840	6.52
(30 ft)	lb											*7,520	6,260	(21.4)
7.5 m	kg											*3,470	1,870	7.96
(25 ft)	lb											*7,650	4,120	(26.1)
6.0 m	kg									*2,690	2,010	2,970	1,420	8.85
(20 ft)	lb									*5,930	4,430	6,550	3,130	(29.0)
4.5 m	kg							*4,210	2,990	3,880	1,930	2,610	1,190	9.37
(15 ft)	lb							*9,280	6,590	8,550	4,250	5,750	2,620	(30.7)
3.0 m	kg			*10,720	7,970	*6,550	4,340	*5,090	2,730	3,740	1,810	2,450	1,070	9.59
(10 ft)	lb			*23,630	17,570	*14,440	9,570	*11,220	6,020	8,250	3,990	5,400	2,360	(31.5)
1.5 m	kg			*8,900	6,830	8,180	3,840	5,160	2,470	3,590	1,670	2,420	1,040	9.54
(5 ft)	lb			*19,620	15,060	18,030	8,470	11,380	5,450	7,910	3,680	5,340	2,290	(31.3)
Ground	kg			*10,210	6,570	7,830	3,550	4,950	2,290	3,480	1,570	2,550	1,100	9.21
Line	lb			*22,510	14,480	17,260	7,830	10,910	5,050	7,670	3,460	5,620	2,430	(30.2)
-1.5 m	kg	*9,470	*9,470	*13,480	6,590	7,710	3,450	4,850	2,200	3,440	1,530	2,880	1,290	8.56
(-5 ft)	lb	*20,880	*20,880	*29,720	14,530	17,000	7,610	10,690	4,850	7,580	3,370	6,350	2,840	(28.1)
-3.0 m	kg	*12,940	*12,940	*14,070	6,740	7,760	3,790	4,870	2,220			3,630	1,700	7.50
(-10 ft)	lb	*28,530	*28,530	*31,020	14,860	17,110	7,690	10,740	4,890			8,000	3,750	(24.6)
-4.5 m	kg			*11,670	7,050	7,980	3,670							
(-15 ft)	lb			*25,730	15,540	17,590	8,090							

Lifting Capacity

R210W-9S

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Front outrigger and rear dozer blade down

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)
9.0 m	kg											*3,410	*3,410	6.52
(30 ft)	lb											*7,520	*7,520	(21.4)
7.5 m	kg											*3,470	3,210	7.96
(25 ft)	lb											*7,650	7,080	(26.1)
6.0 m	kg									*2,690	*2,690	*3,580	2,580	8.85
(20 ft)	lb									*5,930	*5,930	*7,890	5,690	(29.0)
4.5 m	kg							*4,210	*4,210	*3,980	3,380	*3,720	2,250	9.37
(15 ft)	lb							*9,280	*9,280	*8,770	7,450	*8,200	4,960	(30.7)
3.0 m	kg			*10,720	*10,720	*6,550	*6,550	*5,090	4,750	*4,410	3,250	*3,890	2,090	9.59
(10 ft)	lb			*23,630	*23,630	*14,440	*14,440	*11,220	10,470	*9,720	7,170	*8,580	4,610	(31.5)
1.5 m	kg			*8,900	*8,900	*8,350	7,040	*6,020	4,460	*4,900	3,100	*4,080	2,070	9.54
(5 ft)	lb			*19,620	*19,620	*18,410	15,520	*13,270	9,830	*10,800	6,830	*8,990	4,560	(31.3)
Ground	kg			*10,210	*10,210	*9,470	6,700	*6,730	4,260	*5,300	2,990	*4,290	2,180	9.21
Line	lb			*22,510	*22,510	*20,880	14,770	*14,840	9,390	*11,680	6,590	*9,460	4,810	(30.2)
-1.5 m	kg	*9,470	*9,470	*13,480	*13,480	*9,820	6,590	*7,060	4,160	*5,440	2,950	*4,500	2,470	8.56
(-5 ft)	lb	*20,880	*20,880	*29,720	*29,720	*21,650	14,530	*15,560	9,170	*11,990	6,500	*9,920	5,450	(28.1)
-3.0 m	kg	*12,940	*12,940	*14,070	14,020	*9,430	6,640	*6,830	4,190			*4,640	3,130	7.50
(-10 ft)	lb	*28,530	*28,530	*31,020	30,910	*20,790	14,640	*15,060	9,240			*10,230	6,900	(24.6)
-4.5 m	kg			*11,670	*11,670	*7,990	6,850							
(-15 ft)	lb			*25,730	*25,730	*17,610	15,100							

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Front outrigger and rear dozer blade up

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)
9.0 m	kg											*3,410	2,840	6.52
(30 ft)	lb											*7,520	6,260	(21.4)
7.5 m	kg											*3,470	1,870	7.96
(25 ft)	lb											*7,650	4,120	(26.1)
6.0 m	kg									*2,690	2,010	2,970	1,420	8.85
(20 ft)	lb									*5,930	4,430	6,550	3,130	(29.0)
4.5 m	kg							*4,210	2,990	3,880	1,930	2,610	1,190	9.37
(15 ft)	lb							*9,280	6,590	8,550	4,250	5,750	2,620	(30.7)
3.0 m	kg			*10,720	7,970	*6,550	4,340	*5,090	2,730	3,740	1,810	2,450	1,070	9.59
(10 ft)	lb			*23,630	17,570	*14,440	9,570	*11,220	6,020	8,250	3,990	5,400	2,360	(31.5)
1.5 m	kg			*8,900	6,830	8,180	3,840	5,160	2,470	3,590	1,670	2,420	1,040	9.54
(5 ft)	lb			*19,620	15,060	18,030	8,470	11,380	5,450	7,910	3,680	5,340	2,290	(31.3)
Ground	kg			*10,210	6,570	7,830	3,550	4,950	2,290	3,480	1,570	2,550	1,100	9.21
Line	lb			*22,510	14,480	17,260	7,830	10,910	5,050	7,670	3,460	5,620	2,430	(30.2)
-1.5 m	kg	*9,470	*9,470	*13,480	6,590	7,710	3,450	4,850	2,200	3,440	1,530	2,880	1,290	8.56
(-5 ft)	lb	*20,880	*20,880	*29,720	14,530	17,000	7,610	10,690	4,850	7,580	3,370	6,350	2,840	(28.1)
-3.0 m	kg	*12,940	*12,940	*14,070	6,740	7,760	3,490	4,870	2,220			3,630	1,700	7.50
(-10 ft)	lb	*28,530	*28,530	*31,020	14,860	17,110	7,690	10,740	4,890			8,000	3,750	(24.6)
-4.5 m	kg			*11,670	7,050	7,980	3,670							
(-15 ft)	lb			*25,730	15,540	17,590	8,090							

1. Lifting capacity is based on 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
Cabin roof-steel cover
Radio & USB Player
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
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 with seat belt
Pilot-operated slidable joystick
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
Accumulator for lowering work equipment
Electric Transducer
Tires-dual (10.00-20-14PR)
Travel alarm
Front outringger and rear blade

OPTIONAL EQUIPMENT

Fuel filler pump (35 L/min)
Beacon lamp
Single-acting piping kit (breaker, etc.)
Double-acting piping kit (clamshell, etc.)
Quick coupler
Booms
5.65m, 18' 6"
Arms
2.0m, 6' 7"
2.4m, 7' 10"
2.92m, 9' 7"
Climate control
Air conditioner only
Heater only
Cabin ROPS (ISO 12117-2)
ROPS (Roll Over Protective Structure)
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 lights
Cabin front window rain guard
Sun visor
Undercarriage
Front and rear outrigger
Pre-heating system, coolant
Tool kit
Rearview camera
Seat
Mechanical suspension seat with heater
Tires - dual (10.00 - 20 solid)
Fenders (Mudguards)
Hi MATE (Remote Management System)
Air compressor
Precleaner

* 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.