

We build a better future

Robex
210w-9

Equipped with Tier 3 Engine



*Photo may include optional equipment.

Pleasure works

An operator, who takes pleasure in his work, does a better job. That is why we at Hyundai Heavy Industries do everything we can to make that happen. We merged operator preference, fast precision and lasting performance into a quality product. Hyundai 9 series earthmoving equipment simply makes time fly, makes pleasure work!



*Photo may include optional equipment.

Machine Walk-Around

General performance

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

Engine Technology

Powerfull and reliable, fuel efficient Cummins Tier III QSB6.7 engine.
Electronical controlled, clean and efficient combustion.
Low noise / Auto engine overheat prevention / Anti-restart function.

Hydraulic System Improvements

New patented hydraulic system for maximum controllability / Improved main control valve for higher efficiency and smoother operation / Auto boom vs. swing priority for maximum speed / Auto power boost for extra power / Improved arm & boom regeneration for higher speed and better efficiency.

Pump Compartment

Powerful and reliable axial piston pumps, designed by Kawasaki.
Compact solenoid block to control: 2 speed travel, power boost, boom priority, safety lock, arm-in regeneration control and swing logic valve control.
Well accessible fuel, engine oil and case drain filters.

New Design Steering Column

Slim steering column with adjustments for your operators' preference (telescopic 60 mm, tilting 30°).

Enhanced Operators' Cabin

Improved visibility

Enlarged cab with improved visibility / See-through sunroof for visibility and ventilation.
Large right-side window, for better visibility on foot of boom.
All windows consist of safety glass.
Roll-up type sun visor for operators' convenience / Reduced front window seam for improved operator view.

Rigid Cabin Construction

New steel tube construction for increased operator safety, higher protection and better durability.
New front window mechanism designed with spring assist.

Improved Seat & Console

Ergonomic joysticks equipped with auxiliary buttons for attachment use.
Standard mechanic suspension with heater or optional air suspension.
New joystick consoles - adjustable in height.
Adjustable arm rests - for optimum comfort.

Advanced 7" Color Cluster

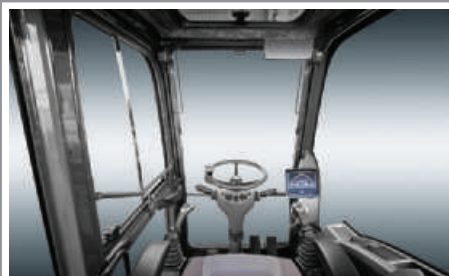
New color LCD-display with digital gauges for hydraulic oil temperature, coolant temperature and fuel level.
Toggle switch makes it easier to tune your machine and to check diagnostics. A new developed rear-view camera is integrated into the cluster.
3 power modes : Power / Standard / Economy, 3 work modes : Digging / Breaker / Crusher, User mode for saving operators' preferences.
Enhanced self-diagnostic features with remote access through the Hi-Mate system.
One pump flow or two pump flow summation for optional attachment, selectable through the cluster.
Anti-theft system with password entry.
Boom speed and arm regeneration can be adjusted through the cluster.
Auto power boost in Power-mode - activated through the cluster.
Air conditioning and heater with automatic climate control.
Hi-Mate (Remote Management System) enables machine owners to follow-up machine performance, to verify machine location and to access diagnostic information on a distance through any internet connection.

Preference

An operator, who sets his machine to his needs, takes pleasure in his work. 9 Series respects operator preference with regards to comfort, ease-of-use and controllability. The dashboard cluster with 7 inch screen and toggle switch is the preference nerve centre.



*Photo may include optional equipment.



Spacious Cabin with Excellent Visibility

The spacious cabin is ergonomically designed with low noise levels and high visibility. Special attention was paid to create a clear, open and convenient interior with excellent visibility in all directions. This well balanced operators' environment put the operator in the perfect position to work safely and securely.

Operator Comfort

In a 9 series cabin you can adjust the seat, console and armrests to suit your preferred comfort level. Seat and console position and height can be adjusted together and independent from each other. Improved telescopic and tilt functions of the steering wheel provides operators better access and higher comfort. A fully automatic, high capacity air conditioning system maintains a constant temperature.



Stressless

Work is stressful enough; your working environment should be stressless. Hyundai's 9 series provides improved cabin interior, additional space and a comfortable seat to minimize the stress of the operator. A powerful climate control system provides the operator with his preferred air temperature. An advanced audio system with AM/FM stereo and MP3 capabilities, plus remote controls is installed to listen to your preferred music favorites. Operators can even call while operating with the hands-free mobile phone feature.



Easy to Use Cluster

The advanced 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 video functions are integrated into the cluster to make the machine more versatile and the operator more productive.



Precision

An operator, who feels his machine respond smoothly, takes pleasure in his work. 9 Series delivers fast precision by combining smoother hydraulics with wider view and less stress. The innovative Posi-Nega hydraulic system combines straightforward technology with superior response.



*Photo may include optional equipment.

Computer Aided Power

The advanced CAPO (Computer Aided Power Optimization) system tunes engine and pump power to optimum levels. Multiple mode selections are implemented for specific applications, maintaining high performance while reducing fuel consumption.

Additional features include auto deceleration and power boost.

The LCD-display monitors engine speed, coolant and hydraulic oil temperature and through the self-diagnostic capability, it displays current error codes. Operators can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.

Power Mode

Three unique power modes provide the operator with custom engine power, attachment speed and fuel economy.

Power-mode maximizes machine speed and power for maximum productivity.

Standard-mode provides a reduced, fixed rpm for optimum performance and improved fuel economy.

Economy-mode provides precise flow and engine power based on load conditions, for maximum fuel efficiency and controllability.

Work Mode

Through the different work modes, the operator can select general digging, single-acting attachments like a hydraulic breaker or double-acting attachments like a crusher. Flow settings can be preset in the cluster.

User Mode

Some jobs require more precise machine settings; some operators prefer different machine settings. Using the User-mode, the operator can customize engine speed, pump output, idle speed and other machine settings according to personal preferences.

Hydraulic System Improvements



To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and top level controllability. Spool valves in the control valve are engineered to provide more precise flow to each function with less effort.

Improved hydraulic valves, variable volume piston pumps, fine-touch pilot controls and enhanced travel functions make any operator look like a smooth operator. Newly improved features include arm and boom regeneration, enhanced control valve technology and innovative auto boom and swing priority for best performances in any application.



Auto Boom vs. Swing Priority

This smart function adapts the ideal hydraulic flow balance for the boom and swing operation for your application. The advanced CAPO system monitors the hydraulic operations and adjusts the balance to maximize performance and productivity.

Performance

An operator, who can rely on his machine, takes pleasure in his work. 9 Series stands for lasting performance in strength, speed and reliability. The Auto boom-swing priority results into faster movements and shorter cycle times.

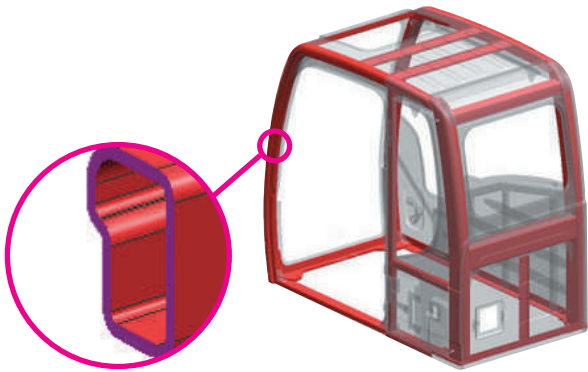


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Independent Outriggers

The R210W-9 can be equipped with four independent outriggers or two independent outriggers and a dozer blade. Each outrigger or dozer blade is controlled by a switch and the dozer lever. Outriggers and dozer blades are equipped with cylinder guards for additional protection.



Structural Strength

The 9 series cabin structure is designed with slimmer but stronger tubing for more safety and better visibility. Low-stress and high-strength steel is welded to form a strong and stable lower frame. Structural durability is analyzed and tested by FEM-analysis (Finite Elements Method) and long-term durability tests.

Travel System

Cruise control system facilitates driving longer distances at a fixed speed. An auto ram lock system can be activated to improve stability and operating safety.

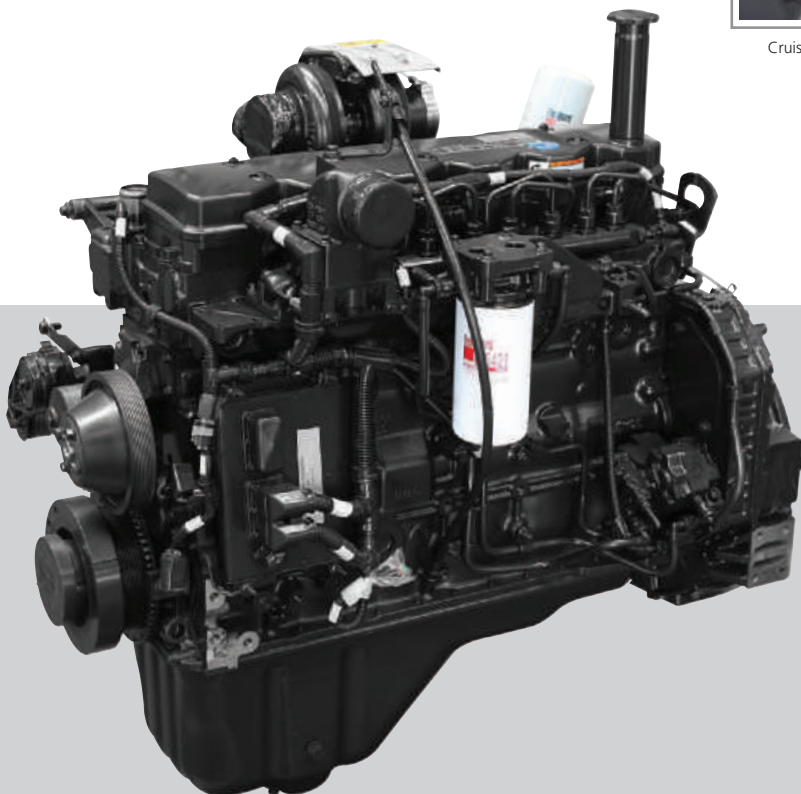
A creep speed travel system improves maneuverability and fine control. An optional forward / reverse travel pedal allows the operator to change travel direction in work mode without releasing the joysticks.



Cruise control system

Auto ram lock system

Creep speed travel system



CUMMINS QSB 6.7 Engine

With 6-cylinders, turbo charger and intercooler, the Cummins QSB6.7 diesel engine is built for power, economy and reliability. This engine meets TIER 3 / EU stage IIIa emission regulations.

Profitability

An owner, who knows his machine saves money, takes pleasure in owning it. 9 Series excavators contribute to your business as a time, fuel, spare-part and cost saving earthmoving solution. The Remote Management System allows machine owners to track, monitor and manage at a distance.

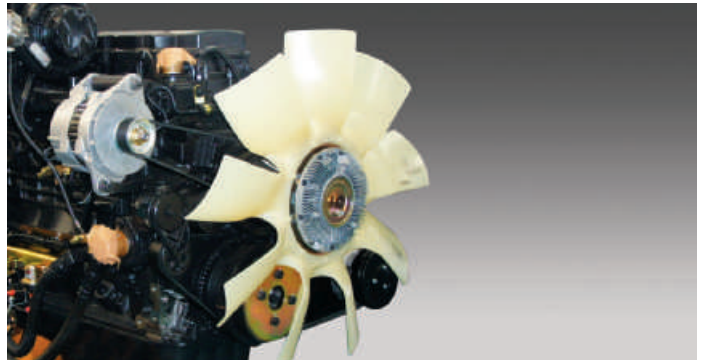


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Hi-mate (Remote Management System)

Hi-mate, Hyundai's remote management system, using GPS-satellite technology, provides our customers with the highest level of service and product support. Hi-mate enables machine owners to follow-up machine performance, to verify machine location and to access diagnostic information on a distance through any internet connection.



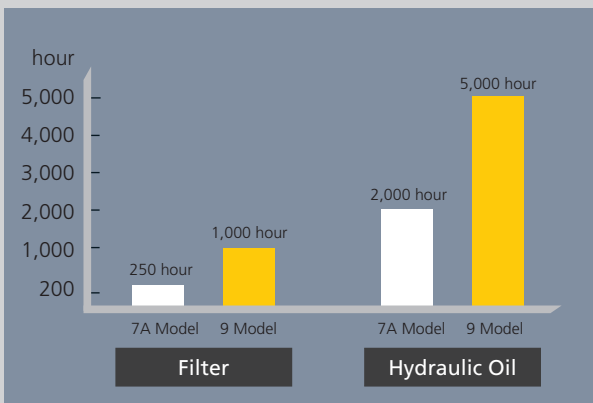
Fuel Economy

9 series excavators are developed to do more work with less fuel. Implemented innovations like the variable speed fan clutch, overload prevention control, three-stage auto decel system and the new economy mode, are helping to save fuel and reduce the impact on the environment.



Easy Access

Access from ground to filters, lube fittings, fuses, drains and machine computer components, combined with wide open compartments makes servicing the 9-series a pleasure for your mechanics.



Extended Life Components

New long-life bushings are designed for extended lube intervals (250 hrs). Wear-resistant polymer shims reduce noise and reduce wear of bushings. Extended-life hydraulic filters last up to 1,000 hrs and new long-life hydraulic oil need only be changed every 5,000 hrs.

Specifications

ENGINE

MODEL	CUMMINS QSB 6.7		
Type	Watercooled, 4 cycle Diesel, 6-cylinders in line, direct injection Turbocharged, intercooler, low emission		
Rated flywheel horse power	SAE	J1995 (gross)	176 HP (131 kW) at 1,900 rpm
		J1349 (net)	165 HP (123 kW) at 1,900 rpm
	DIN	6271/1 (gross)	178 PS (131 kW) at 1,900 rpm
		6271/1 (net)	167 PS (123 kW) at 1,900 rpm
Max. torque	81.4 kgf.m (589 lbf.ft) at 1,400 rpm		
Bore x stroke	107 x 124 mm (4.2" x 4.9")		
Piston displacement	6,700 cc (409 in ³)		
Batteries	2 x 12 V x 100 AH		
Starting motor	24V - 4.5kW		
Alternator	24V - 70Amp		

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Max. flow	2 X 222 l/min (58.6 US gpm / 48.8 UK gpm)
Pilot pump	Gear pump
Cross-sensing and fuel saving pump system	
HYDRAULIC MOTORS	
Travel	Two speed axial piston 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	380 kgf/cm ² (5,400 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-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 (4.9" 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	11,100 kgf (24,470 lbf)	
Travel speed	1st	8.5 km/h (5.3 mph)
	2nd	35 km/h (21.7 mph)
Gradeability	31.5° (61 %)	

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 automatically locked at neutral position for parking.

CONTROL

Pilot pressure operated joysticks and pedals with 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

AXLES & WHEELS

Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation 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	Axial piston motor
Swing reduction	Planetary gear reduction
Swing circuit lubrication	Grease-bathed
Swing brake	Multi wet disc (pin lock type)
Swing speed	10.3 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

Re-filling	liter	UK gal	
Fuel tank	310.0	68.2	
Engine coolant	35.0	7.7	
Engine oil	24	5.3	
Swing device - gear oil	5	1.1	
Axle	(front)	14.6	3.2
	(rear)	18.1	4.0
Hydraulic system (including tank)	340.0	74.8	
Hydraulic tank	165.0	36.3	

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress.
Dozer blade and outriggers are available.

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 - MONO BOOM

Operating weight, including 5.65 m (18' 6") boom, 2.92 m (9' 7") arm, SAE heaped 0.80 m³ (1.05 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

MAJOR COMPONENT WEIGHT	
Upperstructure	5,240 kg (11,550 lb)
Counterweight	3,400 kg (7,500 lb)
Mono boom (with arm cylinder)	1,790 kg (3,950 lb)

OPERATING WEIGHT	
Front outriggers and rear blade	20,500 kg (45,200 lb)
Front and rear outriggers	20,600 kg (45,400 lb)
Front blade and rear outriggers	20,600 kg (45,400 lb)

OPERATING WEIGHT - ADJUSTABLE BOOM

Operating weight, including 5.39 m (17' 8") boom, 2.40 m (7' 10") arm, SAE heaped 0.80 m³ (1.05 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

MAJOR COMPONENT WEIGHT	
Upperstructure	5,240 kg (11,550 lb)
Counterweight	3,400 kg (7,500 lb)
Adjustable boom (with arm cylinder)	2,270 kg (5,004 lb)

OPERATING WEIGHT	
Front outriggers and rear blade	20,980 kg (46,253 lb)
Front and rear outriggers	21,080 kg (46,473 lb)
Front blade and rear outriggers	21,080 kg (46,473 lb)

BUCKETS

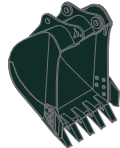
All buckets are welded with high-strength steel



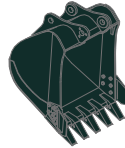
0.51 (0.67)



0.80 (1.05)
0.92 (1.20)



1.10 (1.44)
1.20 (1.57)



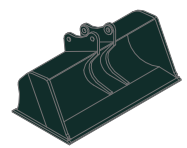
1.34 (1.75)



0.74 (0.97)



0.87 (1.14)



0.75 (0.98)

SAE heaped m³ (yd³)

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)		
SAE heaped	CECE heaped	Without side cutters	With side cutters		5.65 (18' 6") Boom		
					2.0 (6' 7") Arm	2.4 (7' 10") Arm	2.92 (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)	1,070 (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)	●	●	■
■ 0.75 (0.98)	0.65 (0.85)	1,790 (70.5)	-	880 (1,940)	●	●	■

- ◆ Heavy-duty bucket
- Slope finishing bucket
- ⊙ Heavy duty Rock-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. 5.65 m (18' 6") boom and 2.0 m (6' 7"); 2.4 m (7' 10") & 2.92 m (9' 7") arms are available.

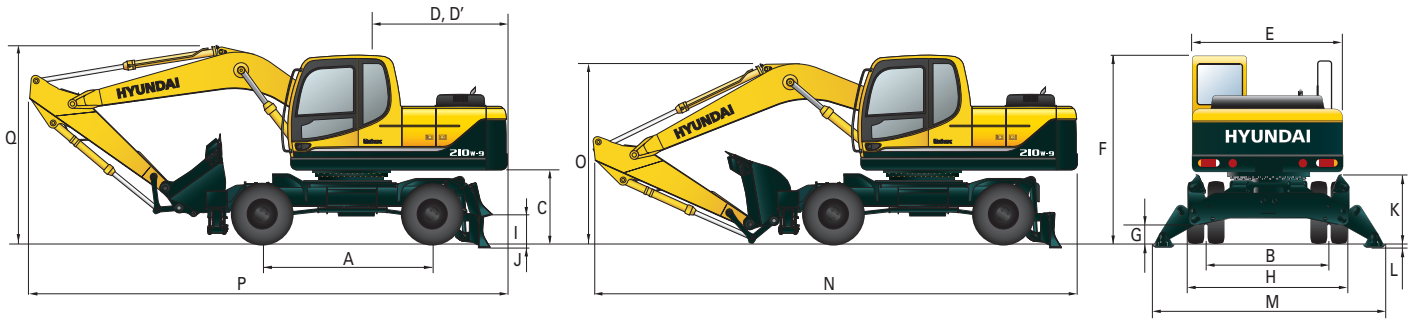
DIGGING FORCE

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")	[]: Power Boost
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	
		kgf	13,600 [14,840]	13,600 [14,840]	13,600 [14,840]	
		lbf	29,980 [32,710]	29,980 [32,710]	29,980 [32,710]	
	ISO	kN	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	
		kgf	15,500 [16,910]	15,500 [16,910]	15,500 [16,910]	
		lbf	34,170 [37,280]	34,170 [37,280]	34,170 [37,280]	
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 Ranges

DIMENSIONS R210W-9 - MONO BOOM



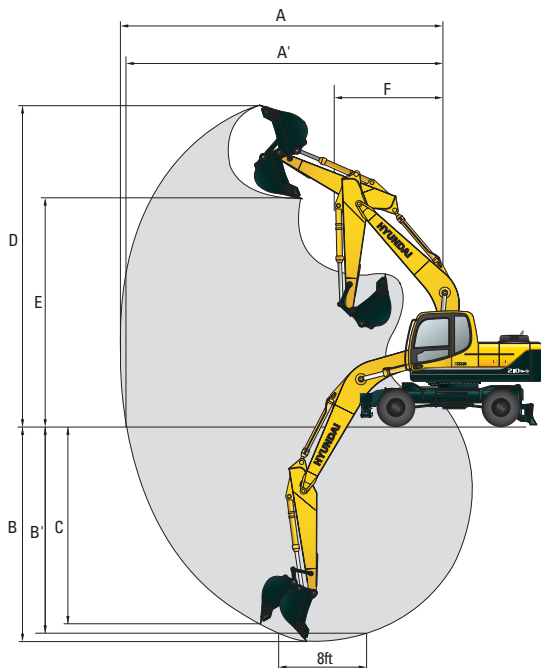
mm (ft · in)

A	Wheel base	2,800 (9' 2")
B	Tread	1,874 (6' 2")
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 cabin	3,180 (10' 5")
G	Min. ground clearance	345 (1' 2")
H	Overall width of lower structure	2,490 (8' 2")
I	Ground clearance of blade up	445 (1' 6")
	Depth of blade down	120 (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	70 (0' 3")
M	Overall width of outrigger	3,770 (12' 4")

Boom length	5,650 (18' 6")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
N	Shipping length of boom	9,680 (31' 9")	9,570 (31' 5")	9,500 (31' 2")
O	Shipping height of boom	3,350 (10' 12")	3,240 (10' 8")	3,150 (10' 4")
P	Traveling length of boom	9,630 (31' 7")	9,550 (31' 4")	9,520 (31' 3")
Q	Traveling height of boom	3,530 (11' 7")	3,460 (11' 4")	3,440 (11' 3")

WORKING RANGE R210W-9 - MONO BOOM

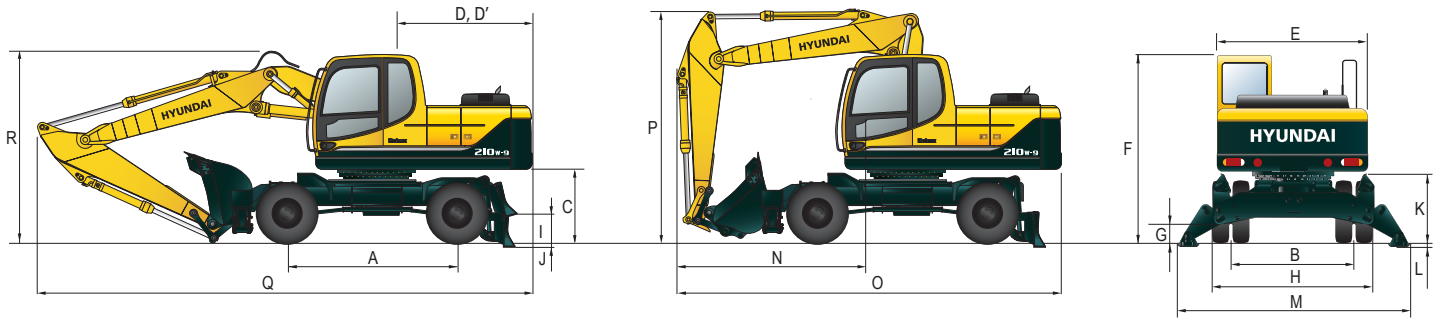
mm (ft · in)



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' 0")
B	Max. digging depth	5,480 (18' 0")	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")	5,440 (17' 10")	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. front swing radius	3,700 (12' 2")	3,620 (11' 11")	3,580 (11' 9")

Dimensions & Working Ranges

DIMENSIONS R210W-9 - ADJUSTABLE BOOM



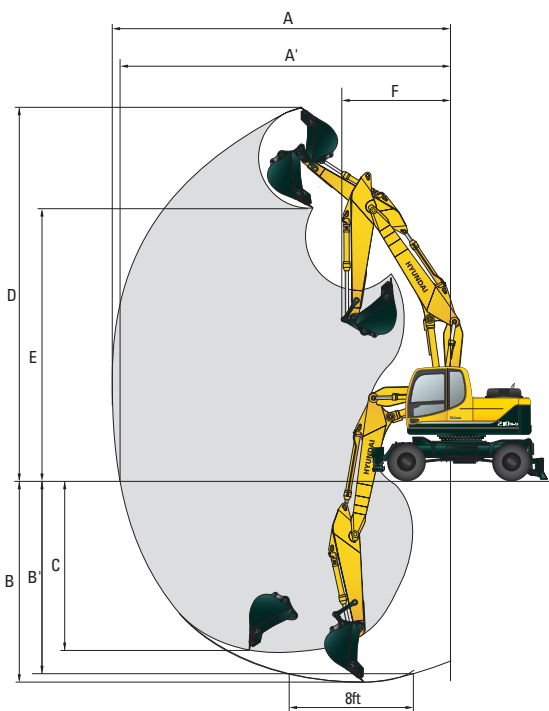
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I	Ground clearance of blade up	445 (1' 6")
	Depth of blade down	125 (0' 5")
J	Height of blade	610 (2' 0")
	Width of blade	2,490 (8' 2")
K	Ground clearance of outrigger up	1,220 (4' 0")
L	Depth of outrigger down	70 (0' 3")
M	Overall width of outrigger	3,770 (12' 4")

Boom length	5,390 (17' 8")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	
N	Distance - End of attachment to steering wheel	3,490 (11' 5")	3,430 (11' 3")
O	Shipping length of boom	7,180 (23' 7")	7,130 (23' 5")
P	Shipping height of boom	4,000 (13' 1")	4,000 (13' 1")
Q	Traveling length of boom	9,360 (30' 9")	9,280 (30' 5")
R	Traveling height of boom	3,090 (10' 2")	3,050 (10' 0")

WORKING RANGE R210W-9 - ADJUSTABLE BOOM

mm (ft · in)













Boom length	5,390 (17' 8")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	
A	Max. digging reach	8,890 (29' 2")	9,290 (30' 6")
A'	Max. digging reach on ground	8,670 (28' 5")	9,080 (29' 9")
B	Max. digging depth	5,250 (17' 3")	5,630 (18' 6")
B'	Max. digging depth (8' level)	5,090 (16' 8")	5,500 (18' 1")
C	Max. vertical wall digging depth	4,330 (14' 2")	4,800 (15' 9")
D	Max. digging height	9,930 (32' 7")	10,270 (33' 8")
E	Max. dumping height	7,020 (23' 0")	7,350 (24' 1")
F	Min. front swing radius	3,260 (10' 8")	2,970 (9' 9")

Lifting Capacities













R210W-9 - MONO BOOM

 Rating over-front  Rating over-side or 360 degrees













Boom : 5.65 m (18' 6") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger down and 3,400 kg (7,500 lb) counterweight

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									*4110	*4110	6.85
	lb									*9060	*9060	(22.5)
6.0 m (20 ft)	kg					*4570	*4570			*4210	*3840	7.89
	lb					*10080	*10080			*9280	8470	(25.9)
4.5 m (15 ft)	kg	*8800	*8800	*6080	*6080	*5080	*5080			*4350	3320	8.48
	lb	*19580	*19580	*13400	*13400	*11200	*11200			*9590	7320	(27.8)
3.0 m (10 ft)	kg			*7900	*7900	*5880	5740	*5030	3960	*4530	3090	8.73
	lb			*17420	*17420	*12960	12650	*11090	8730	*9990	6810	(28.6)
1.5 m (5 ft)	kg			*9370	8740	*6660	5500	*5390	3850	*4730	3080	8.67
	lb			*20660	19270	*14680	12130	*11880	8490	*10430	6790	(28.4)
Ground Line	kg			*9970	8550	*7140	5360			*4940	3290	8.30
	lb			*21980	18850	*15740	11820			*10890	7250	(27.2)
-1.5 m (-5 ft)	kg	*14240	*14240	*9810	8550	*7150	5330			*5100	3850	7.57
	lb	*31390	*31390	*21630	18850	*15760	11750			*11240	8490	(24.8)
-3.0 m (-10 ft)	kg	*12530	*12530	*8840	8700					*5000	*5000	6.30
	lb	*27620	*27620	*19490	19180					*11020	*11020	(20.7)

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 and 3,400 kg (7,500 lb) counterweight

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											*3810	3690	7.34
	lb											*8400	8140	(24.1)
6.0 m (20 ft)	kg							*4150	*4150			*3910	2890	8.31
	lb							*9150	*9150			*8620	6370	(27.3)
4.5 m (15 ft)	kg					*5500	*5500	*4710	*4710	*4390	3350	*4050	2500	8.87
	lb					*12130	*12130	*10380	*10380	*9680	7390	*8930	5510	(29.1)
3.0 m (10 ft)	kg					*7330	*7330	*5550	4700	*4760	3230	*4230	2320	9.10
	lb					*16160	*16160	*12240	10360	*10490	7120	*9330	5110	(29.9)
1.5 m (5 ft)	kg					*8950	6970	*6390	4450	*5180	3110	*4430	2300	9.05
	lb					*19730	15370	*14090	9810	*11420	6860	*9770	5070	(29.7)
Ground Line	kg			*9840	*9840	*9780	6720	*6980	4290	*5480	3030	*4640	2440	8.70
	lb			*21690	*21690	*21560	14820	*15390	9460	*12080	6680	*10230	5380	(28.5)
-1.5 m (-5 ft)	kg	*10680	*10680	*14730	14050	*9850	6680	*7130	4230			*4830	2820	8.00
	lb	*23550	*23550	*32470	30970	*21720	14730	*15720	9330			*10650	6220	(26.2)
-3.0 m (-10 ft)	kg	*15190	*15190	*13270	*13270	*9140	6780	*6600	4300			*4870	3730	6.84
	lb	*33490	*33490	*29260	*29260	*20150	14950	*14550	9480			*10740	8220	(22.4)
-4.5 m (-15 ft)	kg			*10270	*10270	*7070	*7070							
	lb			*22640	*22640	*15590	*15590							

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 and 3,400 kg (7,500 lb) counterweight

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											*3810	2180	7.34
	lb											*8400	4810	(24.1)
6.0 m (20 ft)	kg							*4150	3110			3310	1630	8.31
	lb							*9150	6860			7300	3590	(27.3)
4.5 m (15 ft)	kg					*5500	4770	*4710	2930	3840	1900	2890	1350	8.87
	lb					*12130	10520	*10380	6460	8470	4190	6370	2980	(29.1)
3.0 m (10 ft)	kg					*7330	4220	5400	2690	3730	1800	2700	1220	9.10
	lb					*16160	9300	11900	5930	8220	3970	5950	2690	(29.9)
1.5 m (5 ft)	kg					8100	3780	5140	2470	3600	1690	2680	1200	9.05
	lb					17860	8330	11330	5450	7940	3730	5910	2650	(29.7)
Ground Line	kg			*9840	6700	7850	3570	4970	2320	3520	1610	2840	1280	8.70
	lb			*21690	14770	17310	7870	10960	5110	7760	3550	6260	2820	(28.5)
-1.5 m (-5 ft)	kg	*10680	*10680	*14730	6770	7800	3530	4920	2270			3270	1520	8.00
	lb	*23550	*23550	*32470	14930	17200	7780	10850	5000			7210	3350	(26.2)
-3.0 m (-10 ft)	kg	*15190	*15190	*13270	6960	7900	3620	4990	2330			4290	2080	6.84
	lb	*33490	*33490	*29260	15340	17420	7980	11000	5140			9460	4590	(22.4)
-4.5 m (-15 ft)	kg			*10270	7350	*7070	3880							
	lb			*22640	16200	*15590	8550							













- 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.

Lifting Capacities













R210W-9 - MONO BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger down and 3,400 kg (7,500 lb) counterweight

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 (30 ft)	kg											*3410	*3410	6.52
	lb											*7520	*7520	(21.4)
7.5 m (25 ft)	kg											*3470	*3470	7.96
	lb											*7650	*7650	(26.1)
6.0 m (20 ft)	kg								*2690	*2690		*3580	3140	8.85
	lb								*5930	*5930		*7890	6920	(29.0)
4.5 m (15 ft)	kg						*4210	*4210	*3980	*3980		*3720	2770	9.37
	lb						*9280	*9280	*8770	*8770		*8200	6110	(30.7)
3.0 m (10 ft)	kg		*10720	*10720	*6550	*6550	*5090	*5090	*4410	3970		*3890	2600	9.59
	lb		*23630	*23630	*14440	*14440	*11220	11220	*9720	8750		*8580	5730	(31.5)
1.5 m (5 ft)	kg		*8900	*8900	*8350	*8350	*6020	5510	*4900	3820		*4080	2570	9.54
	lb		*19620	*19620	*18410	*18410	*13270	12150	*10800	8420		*8990	5670	(31.3)
Ground Line	kg		*10210	*10210	*9470	8490	*6730	5290	*5300	3710		*4290	2710	9.21
	lb		*22510	*22510	*20880	18720	*14840	11660	*11680	8180		*9460	5970	(30.2)
-1.5 m (-5 ft)	kg	*9470	*9470	*13480	*13480	*9820	8360	*7060	5190	*5440		*4500	3060	8.56
	lb	*20880	*20880	*29720	*29720	*21650	18430	*15560	11440	*11990		*9920	6750	(28.1)
-3.0 m (-10 ft)	kg	*12940	*12940	*14070	*14070	*9430	8410	*6830	5220			*4640	3860	7.50
	lb	*28530	*28530	*31020	*31020	*20790	18540	*15060	11510			*10230	8510	(24.6)
-4.5 m (-15 ft)	kg			*11670	*11670	*7990	*7990							
	lb			*25730	*25730	*17610	*17610							

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger up and 3,400 kg (7,500 lb) counterweight

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 (30 ft)	kg											*3410	2840	6.52
	lb											*7520	6260	(21.4)
7.5 m (25 ft)	kg											*3470	1870	7.96
	lb											*7650	4120	(26.1)
6.0 m (20 ft)	kg								*2690	2010		2970	1420	8.85
	lb								*5930	4430		6550	3130	(29.0)
4.5 m (15 ft)	kg						*4210	2990	3880	1930		2610	1190	9.37
	lb						*9280	6590	8550	4250		5750	2620	(30.7)
3.0 m (10 ft)	kg		*10720	7970	*6550	4340	*5090	2730	3740	1810		2450	1070	9.59
	lb		*23630	17570	*14440	9570	*11220	6020	8250	3990		5400	2360	(31.5)
1.5 m (5 ft)	kg		*8900	6830	8180	3840	5160	2470	3590	1670		2420	1040	9.54
	lb		*19620	15060	18030	8470	11380	5450	7910	3680		5340	2290	(31.3)
Ground Line	kg		*10210	6570	7830	3550	4950	2290	3480	1570		2550	1100	9.21
	lb		*22510	14480	17260	7830	10910	5050	7670	3460		5620	2430	(30.2)
-1.5 m (-5 ft)	kg	*9470	*9470	*13480	6590	7710	3450	4850	2200	3440		2880	1290	8.56
	lb	*20880	*20880	*29720	14530	17000	7610	10690	4850	7580		6350	2840	(28.1)
-3.0 m (-10 ft)	kg	*12940	*12940	*14070	6740	7760	3790	4870	2220			3630	1700	7.50
	lb	*28530	*28530	*31020	14860	17110	7690	10740	4890			8000	3750	(24.6)
-4.5 m (-15 ft)	kg			*11670	7050	7980	3670							
	lb			*25730	15540	17590	8090							













- 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.

Lifting Capacities













R210W-9 - MONO BOOM

 Rating over-front  Rating over-side or 360 degrees

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 and 3,400 kg (7,500 lb) counterweight

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												*3410	*3410	6.52
(30 ft)	lb												*7520	*7520	(21.4)
7.5 m	kg												*3470	3210	7.96
(25 ft)	lb												*7650	7080	(26.1)
6.0 m	kg									*2690	*2690		*3580	2580	8.85
(20 ft)	lb									*5930	*5930		*7890	5690	(29.0)
4.5 m	kg							*4210	*4210	*3980	3380		*3720	2250	9.37
(15 ft)	lb							*9280	*9280	*8770	7450		*8200	4960	(30.7)
3.0 m	kg			*10720	*10720	*6550	*6550	*5090	4750	*4410	3250		*3890	2090	9.59
(10 ft)	lb			*23630	*23630	*14440	*14440	*11220	10470	*9720	7170		*8580	4610	(31.5)
1.5 m	kg			*8900	*8900	*8350	7040	*6020	4460	*4900	3100		*4080	2070	9.54
(5 ft)	lb			*19620	*19620	*18410	15520	*13270	9830	*10800	6830		*8990	4560	(31.3)
Ground Line	kg			*10210	*10210	*9470	6700	*6730	4260	*5300	2990		*4290	2180	9.21
	lb			*22510	*22510	*20880	14770	*14840	9390	*11680	6590		*9460	4810	(30.2)
-1.5 m	kg	*9470	*9470	*13480	*13480	*9820	6590	*7060	4160	*5440	2950		*4500	2470	8.56
(-5 ft)	lb	*20880	*20880	*29720	*29720	*21650	14530	*15560	9170	*11990	6500		*9920	5450	(28.1)
-3.0 m	kg	*12940	*12940	*14070	14020	*9430	6640	*6830	4190				*4640	3130	7.50
(-10 ft)	lb	*28530	*28530	*31020	30910	*20790	14640	*15060	9240				*10230	6900	(24.6)
-4.5 m	kg			*11670	*11670	*7990	6850								
(-15 ft)	lb			*25730	*25730	*17610	15100								

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 and 3,400 kg (7,500 lb) counterweight

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												*3410	2840	6.52
(30 ft)	lb												*7520	6260	(21.4)
7.5 m	kg												*3470	1870	7.96
(25 ft)	lb												*7650	4120	(26.1)
6.0 m	kg									*2690	2010		2970	1420	8.85
(20 ft)	lb									*5930	4430		6550	3130	(29.0)
4.5 m	kg							*4210	2990	3880	1930		2610	1190	9.37
(15 ft)	lb							*9280	6590	8550	4250		5750	2620	(30.7)
3.0 m	kg			*10720	7970	*6550	4340	*5090	2730	3740	1810		2450	1070	9.59
(10 ft)	lb			*23630	17570	*14440	9570	*11220	6020	8250	3990		5400	2360	(31.5)
1.5 m	kg			*8900	6830	8180	3840	5160	2470	3590	1670		2420	1040	9.54
(5 ft)	lb			*19620	15060	18030	8470	11380	5450	7910	3680		5340	2290	(31.3)
Ground Line	kg			*10210	6570	7830	3550	4950	2290	3480	1570		2550	1100	9.21
	lb			*22510	14480	17260	7830	10910	5050	7670	3460		5620	2430	(30.2)
-1.5 m	kg	*9470	*9470	*13480	6590	7710	3450	4850	2200	3440	1530		2880	1290	8.56
(-5 ft)	lb	*20880	*20880	*29720	14530	17000	7610	10690	4850	7580	3370		6350	2840	(28.1)
-3.0 m	kg	*12940	*12940	*14070	6740	7760	3490	4870	2220				3630	1700	7.50
(-10 ft)	lb	*28530	*28530	*31020	14860	17110	7690	10740	4890				8000	3750	(24.6)
-4.5 m	kg			*11670	7050	7980	3670								
(-15 ft)	lb			*25730	15540	17590	8090								











- 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.

Lifting Capacities











R210W-9 - ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.39 m (17' 8") / Arm : 2.00 m (6' 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		
		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 (30 ft)	kg lb									*3910 *8620	*3910 *8620	4.62 (15.2)
7.5 m (25 ft)	kg lb			*4000 *8820	*4000 *8820					*3720 *8200	*3720 *8200	6.60 (21.7)
6.0 m (20 ft)	kg lb			*4170 *9190	*4170 *9190	*4050 *8930	*4050 *8930			*3750 *8270	3370 7430	7.68 (25.2)
4.5 m (15 ft)	kg lb	*7180 *15830	*7180 *15830	*5170 *11400	*5170 *11400	*4400 *9700	*4400 *9700			*3870 *8530	2870 6330	8.28 (27.2)
3.0 m (10 ft)	kg lb			*6670 *14700	*6670 *14700	*5060 *11160	4790 10560	*4410 *9720	3290 7250	*4030 *8880	2670 5890	8.54 (28.0)
1.5 m (5 ft)	kg lb			*8010 *17660	7140 15740	*5750 *12680	4570 10080	*4710 *10380	3200 7050	*4230 *9330	2660 5860	8.48 (27.8)
Ground Line	kg lb			*8700 *19180	6930 15280	*6220 *13710	4430 9770			*4430 *9770	2860 6310	8.10 (26.6)
-1.5 m (-5 ft)	kg lb	*12960 *28570	*12960 *28570	*8690 *19160	6920 15260	*6270 *13820	4410 9720					

Boom : 5.39 m (17' 8") / Arm : 2.00 m (6' 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		
		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 (30 ft)	kg lb									*3900 *8600	*3900 *8600	4.60 (15.1)
7.5 m (25 ft)	kg lb			*4000 *8820	*4000 *8820					*3710 *8180	2700 5950	6.59 (21.6)
6.0 m (20 ft)	kg lb			*4170 *9190	*4170 *9190	*4050 *8930	3090 6810			*3750 *8270	1950 4300	7.67 (25.2)
4.5 m (15 ft)	kg lb	*7180 *15830	*7180 *15830	*5170 *11400	4800 10580	*4400 *9700	2960 6530			3310 7300	1610 3550	8.28 (27.2)
3.0 m (10 ft)	kg lb			*6670 *14700	4300 9480	*5060 *11160	2750 6060	3790 8360	1840 4060	3080 6790	1460 3220	8.53 (28.0)
1.5 m (5 ft)	kg lb			*8010 *17660	3900 8600	5270 11620	2550 5620	3700 8160	1760 3880	3080 6790	1440 3170	8.48 (27.8)
Ground Line	kg lb			8070 17790	3730 8220	5130 11310	2430 5360			3300 7280	1560 3440	8.10 (26.6)
-1.5 m (-5 ft)	kg lb	*12960 *28570	7080 15610	8060 17770	3720 8200	5110 11270	2410 5310					










- 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.

Lifting Capacities










R210W-9 - ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.39 m (17' 8") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger down

Load point height m (ft)		Load radius								At max. reach		
		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach		
											m (ft)	
9.0 m	kg									*3900	*3900	4.60
(30 ft)	lb									*8600	*8600	(15.1)
7.5 m	kg			*4000	*4000					*3710	*3710	6.59
(25 ft)	lb			*8820	*8820					*8180	*8180	(21.6)
6.0 m	kg			*4170	*4170	*4050	*4050			*3750	*3750	7.67
(20 ft)	lb			*9190	*9190	*8930	*8930			*8270	*8270	(25.2)
4.5 m	kg	*7180	*7180	*5170	*5170	*4400	*4400			*3870	3510	8.28
(15 ft)	lb	*15830	*15830	*11400	*11400	*9700	*9700			*8530	7740	(27.2)
3.0 m	kg			*6670	*6670	*5060	*5060	*4410	4030	*4030	3270	8.53
(10 ft)	lb			*14700	*14700	*11160	*11160	*9720	8880	*8880	7210	(28.0)
1.5 m	kg			*8010	*8010	*5750	5620	*4710	3930	*4230	3270	8.48
(5 ft)	lb			*17660	*17660	*12680	12390	*10380	8660	*9330	7210	(27.8)
Ground Line	kg			*8700	*8700	*6220	5480			*4430	3510	8.10
	lb			*19180	*19180	*13710	12080			*9770	7740	(26.6)
-1.5 m	kg	*12960	*12960	*8690	*8690	*6270	5460					
(-5 ft)	lb	*28570	*28570	*19160	*19160	*13820	12040					

Boom : 5.39 m (17' 8") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger up

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)	
9.0 m	kg									*3900	*3900	4.60
(30 ft)	lb									*8600	*8600	(15.1)
7.5 m	kg			*4000	*4000					*3710	2700	6.59
(25 ft)	lb			*8820	*8820					*8180	5950	(21.6)
6.0 m	kg			*4170	*4170	*4050	3090			*3750	1950	7.67
(20 ft)	lb			*9190	*9190	*8930	6810			*8270	4300	(25.2)
4.5 m	kg	*7180	*7180	*5170	4800	*4400	2960			3310	1610	8.28
(15 ft)	lb	*15830	*15830	*11400	10580	*9700	6530			7300	3550	(27.2)
3.0 m	kg			*6670	4300	*5060	2750	3790	1840	3080	1460	8.53
(10 ft)	lb			*14700	9480	*11160	6060	8360	4060	6790	3220	(28.0)
1.5 m	kg			*8010	3900	5270	2550	3700	1760	3080	1440	8.48
(5 ft)	lb			*17660	8600	11620	5620	8160	3880	6790	3170	(27.8)
Ground Line	kg			8070	3730	5130	2430			3300	1560	8.10
	lb			17790	8220	11310	5360			7280	3440	(26.6)
-1.5 m	kg	*12960	7080	8060	3720	5110	2410					
(-5 ft)	lb	*28570	15610	17770	8200	11270	5310					











- 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.

Lifting Capacities











R210W-9 - ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.39 m (17' 8") / 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		Reach m (ft)
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		
												
9.0 m	kg									*3500	*3500	5.37
(30 ft)	lb									*7720	*7720	(17.6)
7.5 m	kg									*3410	*3410	7.10
(25 ft)	lb									*7520	*7520	(23.3)
6.0 m	kg			*3670	*3670	*3660	*3660			*3470	3060	8.10
(20 ft)	lb			*8090	*8090	*8070	*8070			*7650	6750	(26.6)
4.5 m	kg	*6050	*6050	*4660	*4660	*4060	*4060	*3870	3390	*3590	2640	8.67
(15 ft)	lb	*13340	*13340	*10270	*10270	*8950	*8950	*8530	7470	*7910	5820	(28.4)
3.0 m	kg			*6170	*6170	*4750	*4750	*4140	3290	*3750	2460	8.91
(10 ft)	lb			*13600	*13600	*10470	*10470	*9130	7250	*8270	5420	(29.2)
1.5 m	kg			*7620	7170	*5490	4560	*4500	3180	*3940	2440	8.86
(5 ft)	lb			*16800	15810	*12100	10050	*9920	7010	*8690	5380	(29.1)
Ground Line	kg	*10320	*10320	*8490	6900	*6050	4400	*4780	3110	*4150	2600	8.50
	lb	*22750	*22750	*18720	15210	*13340	9700	*10540	6860	*9150	5730	(27.9)
-1.5 m	kg	*13320	*13320	*8680	6840	*6240	4340			*4330	3030	7.78
(-5 ft)	lb	*29370	*29370	*19140	15080	*13760	9570			*9550	6680	(25.5)
-3.0 m	kg			*8100	6940							
(-10 ft)	lb			*17860	15300							

Boom : 5.39 m (17' 8") / 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		Reach m (ft)
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		
												
9.0 m	kg									*3500	*3500	5.37
(30 ft)	lb									*7720	*7720	(17.6)
7.5 m	kg									*3410	2350	7.10
(25 ft)	lb									*7520	5180	(23.3)
6.0 m	kg			*3670	*3670	*3660	3140			*3470	1740	8.10
(20 ft)	lb			*8090	*8090	*8070	6920			*7650	3840	(26.6)
4.5 m	kg	*6050	*6050	*4660	*4660	*4060	2990	*3870	1920	3050	1450	8.67
(15 ft)	lb	*13340	*13340	*10270	*10270	*8950	6590	*8530	4230	6720	3200	(28.4)
3.0 m	kg			*6170	4370	*4750	2760	3790	1830	2850	1310	8.91
(10 ft)	lb			*13600	9630	*10470	6080	8360	4030	6280	2890	(29.2)
1.5 m	kg			*7620	3920	5260	2540	3680	1730	2840	1290	8.86
(5 ft)	lb			*16800	8640	11600	5600	8110	3810	6260	2840	(29.1)
Ground Line	kg	*10320	6840	8030	3690	5090	2390	3600	1660	3020	1390	8.50
	lb	*22750	15080	17700	8140	11220	5270	7940	3660	6660	3060	(27.9)
-1.5 m	kg	*13320	6910	7970	3630	5040	2340			3510	1660	7.78
(-5 ft)	lb	*29370	15230	17570	8000	11110	5160			7740	3660	(25.5)
-3.0 m	kg			8080	3730							
(-10 ft)	lb			17810	8220							

- 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.

Lifting Capacities

R210W-9 - ADJUSTABLE BOOM



Rating over-front



Rating over-side or 360 degrees

Boom : 5.39 m (17' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger down

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)
9.0 m	kg									*3500	*3500	5.37
(30 ft)	lb									*7720	*7720	(17.6)
7.5 m	kg									*3410	*3410	7.10
(25 ft)	lb									*7520	*7520	(23.3)
6.0 m	kg			*3670	*3670	*3660	*3660			*3470	*3470	8.10
(20 ft)	lb			*8090	*8090	*8070	*8070			*7650	*7650	(26.6)
4.5 m	kg	*6050	*6050	*4660	*4660	*4060	*4060	*3870	*3870	*3590	3230	8.67
(15 ft)	lb	*13340	*13340	*10270	*10270	*8950	*8950	*8530	*8530	*7910	7120	(28.4)
3.0 m	kg			*6170	*6170	*4750	*4750	*4140	4030	*3750	3020	8.91
(10 ft)	lb			*13600	*13600	*10470	*10470	*9130	8880	*8270	6660	(29.2)
1.5 m	kg			*7620	*7620	*5490	*5490	*4500	3910	*3940	3010	8.86
(5 ft)	lb			*16800	*16800	*12100	*12100	*9920	8620	*8690	6640	(29.1)
Ground Line	kg	*10320	*10320	*8490	*8490	*6050	5450	*4780	3840	*4150	3210	8.50
	lb	*22750	*22750	*18720	*18720	*13340	12020	*10540	8470	*9150	7080	(27.9)
-1.5 m	kg	*13320	*13320	*8680	8650	*6240	5390			*4330	3730	7.78
(-5 ft)	lb	*29370	*29370	*19140	19070	*13760	11880			*9550	8220	(25.5)
-3.0 m	kg			*8100	*8100							
(-10 ft)	lb			*17860	*17860							

Boom : 5.39 m (17' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / 4 outrigger up

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)
9.0 m	kg									*3500	*3500	5.37
(30 ft)	lb									*7720	*7720	(17.6)
7.5 m	kg									*3410	2350	7.10
(25 ft)	lb									*7520	5180	(23.3)
6.0 m	kg			*3670	*3670	*3660	3140			*3470	1740	8.10
(20 ft)	lb			*8090	*8090	*8070	6920			*7650	3840	(26.6)
4.5 m	kg	*6050	*6050	*4660	*4660	*4060	2990	*3870	1920	3050	1450	8.67
(15 ft)	lb	*13340	*13340	*10270	*10270	*8950	6590	*8530	4230	6720	3200	(28.4)
3.0 m	kg			*6170	4370	*4750	2760	3790	1830	2850	1310	8.91
(10 ft)	lb			*13600	9630	*10470	6080	8360	4030	6280	2890	(29.2)
1.5 m	kg			*7620	3920	5260	2540	3680	1730	2840	1290	8.86
(5 ft)	lb			*16800	8640	11600	5600	8110	3810	6260	2840	(29.1)
Ground Line	kg	*10320	6840	8030	3690	5090	2390	3600	1660	3020	1390	8.50
	lb	*22750	15080	17700	8140	11220	5270	7940	3660	6660	3060	(27.9)
-1.5 m	kg	*13320	6910	7970	3630	5040	2340			3510	1660	7.78
(-5 ft)	lb	*29370	15230	17570	8000	11110	5160			7740	3660	(25.5)
-3.0 m	kg			8080	3730							
(-10 ft)	lb			17810	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.

Notes

STANDARD EQUIPMENT

ISO Standard cabin

All-weather steel cabin with 360° visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window
One key fits all lockable doors
Hot & cool box
Storage compartment & ashtray
Transparent cabin roof-cover
Radio / MP3 Player with AUX-input
Handsfree mobile phone system with USB-charging device
Sun visor

Computer aided power optimization (New CAPO) system

3-power modes, 3-work modes, User mode
Auto & one-touch deceleration system
Auto warm-up system
Overheat prevention system

Automatic temperature 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
Clock
Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
Warning lamps
- Engine warning
- Overload
- Communication error
- Low battery
- Air filter clogging
Indicators
- Max power
- Low speed/High speed
- Fuel warmer
- Auto deceleration

Door and cab locks, one key

Four outside rearview mirrors

Fully adjustable suspension seat with seat belt

Adjustable joysticks

Console box height adjust system

Two front working lights

Electric horn

Batteries (2 x 12 V x 100 AH)

Battery master switch

Removable clean-out screen for cooler

Automatic swing brake

Removable reservoir tank

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Counterweight (3,400 kg; 7,500 lb)

Accumulator for lowering work equipment

Lower frame under cover (normal)

Viscous fan clutch

Dual tires (10.00-20-14PR)

Travel alarm

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

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

Boom

Mono Boom: 5.65 m; 18' 6"

2pc Boom: 5.65 m; 18' 6"

Arm

Extra Short arm (2.0 m; 6' 7")

Short arm (2.4 m; 7' 10")

Buckets

0.51 m³; 0.67 yd³

0.80 m³; 1.05 yd³

0.87 m³; 1.14 yd³

0.92 m³; 1.20 yd³

1.10 m³; 1.44 yd³

1.20 m³; 1.57 yd³

1.34 m³; 1.75 yd³

0.74 m³; 0.97 yd³ (Heavy-duty bucket)

0.90 m³; 1.18 yd³ (Heavy-duty bucket)

1.05 m³; 1.37 yd³ (Heavy-duty bucket)

0.87 m³; 1.14 yd³ (Heavy-duty bucket)

0.75 m³; 0.98 yd³ (Slope finishing bucket)

Cabin FOPS/FOG (ISO/DIS 10262)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cover

Wire net - Cabin front guard

Cabin lights

Rain guard - Front window

Undercarriage

Front and rear outriggers

Front blade and rear outriggers

Front outriggers and rear blade

Front and rear blade

Tool kit

Operator suit

Rearview camera

Seat

Adjustable air suspension

Adjustable air suspension with heater

Mechanical suspension with heater

Dual tires - solid (10.00 - 20)

Fenders

Pattern change valve (2 patterns)

Hi-mate (Remote Management System)

2 Way Travel pedal

* 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.

PLEASE CONTACT

