We build a better future

Robex

210NLC-9

Equipped with Tier 3 Engine

*Photo may include optional equipment.

HYUNDAI
HEAVY INDUSTRIES EUROPE

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

Robust Undercarriage

Track chain with urethane seals / Track rail guard / Comfortable bolt-on steps / Large upper roller cut-outs / Grease-type track adjusters.

Engine Technology

Powerful and reliable, fuel efficient Cummins QSB 6.7 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 system 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, arm regeneration and safety lock.

Enhanced Operators' Cabin

Improved Visibility

Enlarged cabin 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 can be adjusted in position and height together and independent from each other. 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 USB player, AM/FM stereo, 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 through 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.

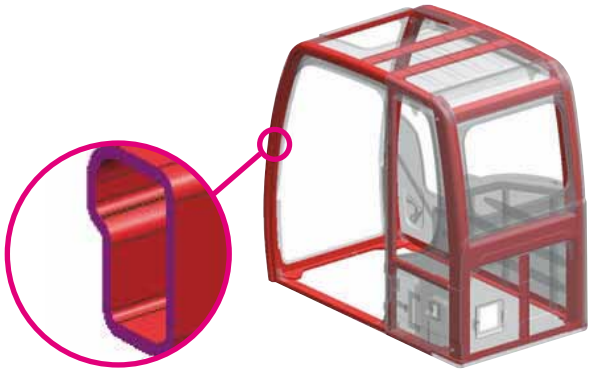
Performance

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.

*Photo may include optional equipment.

Track Rail Guard & Adjusters

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



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.

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.
Electronical controlled fuel injection and diagnostic capabilities add efficiency and serviceability to the engine.

Engine Performance

Every operator knows that there's no substitute for power and durability. The Cummins QSB 6.7 Engine handles the toughest loads and the roughest work conditions combined with maximum fuel economy, better cold starting capability and lower noise level. Plus, the heavy-duty design of the Cummins Engine and related components are offering reliability and durability you can count on every day.
Fuel-efficiency and response time are enhanced with the Cummins high pressure common rail fuel system. This fuel system delivers high pressure injection, independent from engine speed, for optimum performance and flexibility at all engine speeds.

Profitable

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.

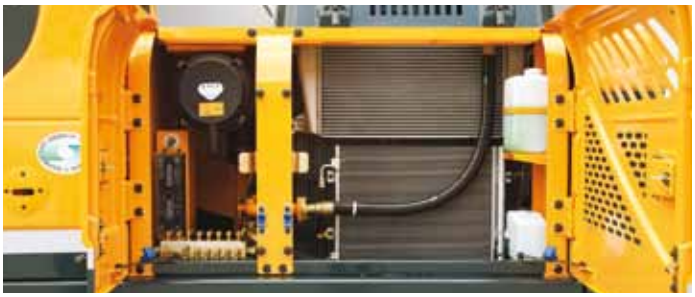
*Photo may include optional equipment.

Fuel Economy

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

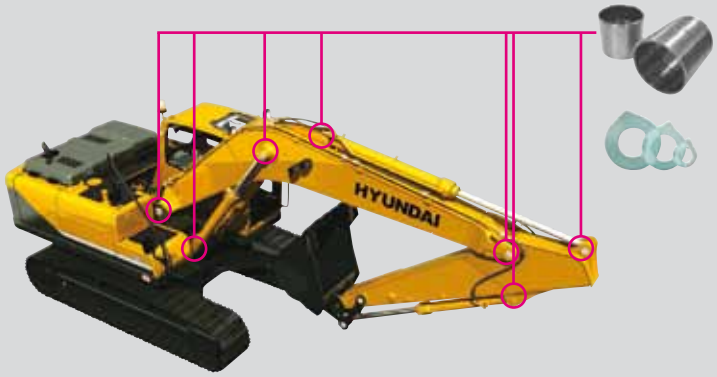
Hi-mate (Remote Management System)

Hi-mate, Hyundai's newly developed 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.



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 of 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)	151 HP (113 kW) / 1,900 rpm
		J1349 (net)	143 HP (107 kW) / 1,900 rpm
	DIN	6271/1 (gross)	153 PS (113 kW) / 1,900 rpm
		6271/1 (net)	145 PS (107 kW) / 1,900 rpm
Max. torque			63.6 kgf.m (460 lbf.ft) / 1,500 rpm
Bore x stroke			107 x 124 mm (4.2" x 4.9")
Piston displacement			6,700 cc (409 in^3)
Batteries			2 x 12V x 100 AH
Starting motor			24V - 4.5 kW
Alternator			24V - 50 Amp

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)
Sub-pump for pilot circuit	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 (4,978 psi)
Travel	350 kgf/cm^2 (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm^2 (5,404 psi)
Swing circuit	265 kgf/cm^2 (3,769 psi)
Pilot circuit	40 kgf/cm^2 (568 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")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary gear reduction
Max. drawbar pull	21,100 kgf (46,500 lbf)
Max. travel speed (high) / (low)	5.3 km/hr (3.3 mph) / 3.4 km/hr (2.1 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

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	12.0 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	310.0	81.9	68.2
Engine coolant	35.0	9.2	7.7
Engine oil	24.0	6.3	5.3
Swing device - gear oil	5.0	1.3	1.1
Travel motor (each) - gear oil	5.8	1.5	1.3
Hydraulic system (including tank)	340.0	89.8	74.8
Hydraulic tank	165.0	43.6	36.3

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 EA
No. of carrier rollers on each side	2 EA
No. of track rollers on each side	9 EA
No. of rail guards on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

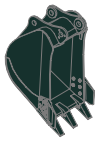
Operating weight, including 5,650 mm (18' 6") mono boom, 2,920 mm (9' 7") arm, SAE heaped 0.87 m^3 (1.14 yd^3) backhoe bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	5,700 kg (12,570 lb)
Boom (with arm cylinder)	1,950 kg (4,300 lb)
Arm (with bucket cylinder)	1,095 kg (2,410 lb)

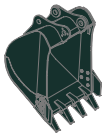
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm^2 (psi)
Triple grouser	500 (20")	22,100 (48,720)	0.56 (7.96)
	600 (24")	22,400 (49,380)	0.48 (6.83)

BUCKETS

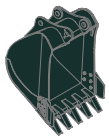
All buckets are welded with high-strength steel



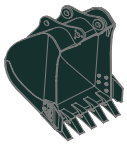
0.51 (0.67)



0.80 (1.05)
0.87 (1.14)
0.92 (1.20)



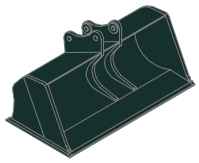
1.10 (1.44)
1.20 (1.57)



1.34 (1.75)

▣ 0.74 (0.97)
▣ 0.90 (1.18)
▣ 1.05 (1.37)

◉ 0.87 (1.14)



★ 0.75 (0.98)

SAE heaped m^3 (yd^3)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)				
					5.65 (18′ 6″) Mono boom			5.65 (18′ 6″) Hydraulic adjustable boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters		2.00 (6′ 7″) Arm	2.40 (7′ 10″) Arm	2.92 (9′ 7″) Arm	2.00 (6′ 7″) Arm	2.40 (7′ 10″) 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 (42.0)	-	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
◉ Heavy duty Rock-bucket
★ Slope finishing bucket

● : Applicable for materials with density of 2,000 kg/m^3 (3,370 lb/yd^3) or less
■ : Applicable for materials with density of 1,600 kg/m^3 (2,700 lb/yd^3) or less
▲ : Applicable for materials with density of 1,100 kg/m^3 (1,850 lb/yd^3) or less

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 5.65 m (18′ 6″) mono boom, 5.65 m (18′ 6″) hydraulic adjustable boom and 2.00 m (6′ 7″); 2.40 m (7′ 10″) and 2.92 m (9′ 7″) arms are available.

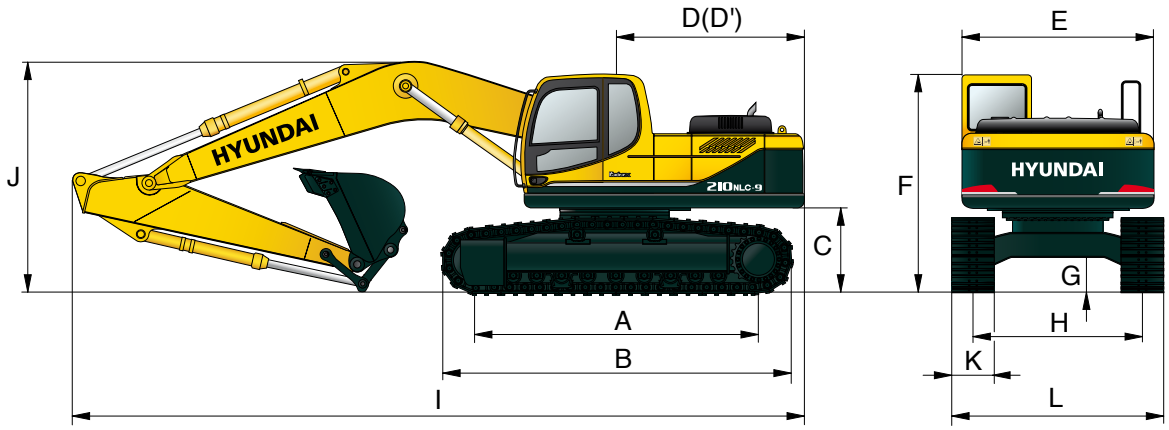
DIGGING FORCE

Boom	Length	mm (ft.in)	5,650 (18′ 6″)			Remarks
	Weight	kg (lb)	1,950 (4,300)			
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	130.4 [141.6]	130.4 [141.6]	130.4 [141.6]	[ ]: Power Boost
		kgf	13,300 [14,440]	13,300 [14,440]	13,300 [14,440]	
		lbf	29,320 [31,830]	29,320 [31,830]	29,320 [31,830]	
	ISO	kN	149.1 [161.8]	149.1 [161.8]	149.1 [161.8]	
		kgf	15,200 [16,500]	15,200 [16,500]	15,200 [16,500]	
		lbf	33,510 [36,380]	33,510 [36,380]	33,510 [36,380]	
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 R210NLC-9 / MONO BOOM



mm (ft · in)

A	Tumbler distance	3,650 (12′ 0″)
B	Overall length of crawler	4,440 (14′ 7″)
C	Ground clearance of counterweight	1,060 (3′ 6″)
D	Tail swing radius	2,800 (9′ 2″)
D′	Rear-end length	2,770 (9′ 1″)
E	Overall width of upperstructure	2,530 (8′ 4″)
F	Overall height of cab	2,920 (9′ 7″)
G	Min. ground clearance	480 (1′ 7″)
H	Track gauge	2,000 (6′ 7″)

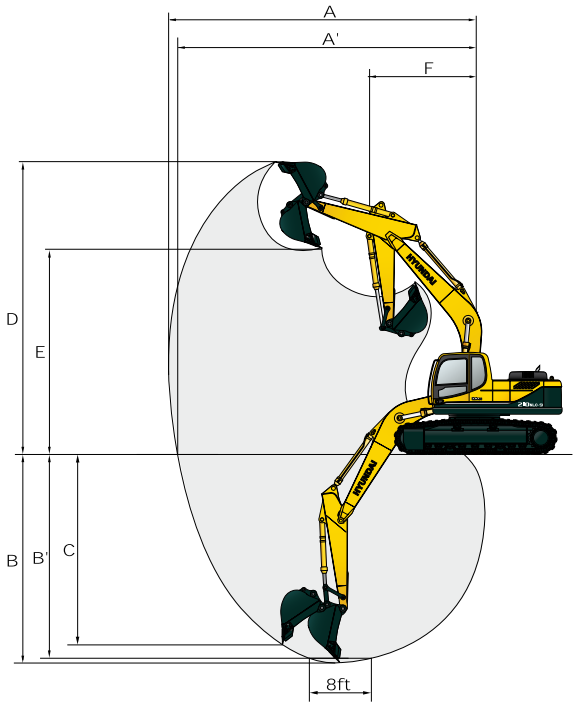
mm (ft · in)

	Boom length	5,650 (18′ 6″)		
	Arm length	2,000 (6′ 7″)	2,400 (7′ 10″)	2,920 (9′ 7″)
I	Overall length	9,650 (31′ 8″)	9,570 (31′ 5″)	9,510 (31′ 2″)
J	Overall height of boom	3,250 (10′ 8″)	3,170 (10′ 5″)	3,100 (10′ 2″)

K	Track shoe width	500 (20″)	600 (24″)
L	Overall width	2,500 (8′ 2″)	2,600 (8′ 6″)

WORKING RANGES R210NLC-9 / MONO BOOM

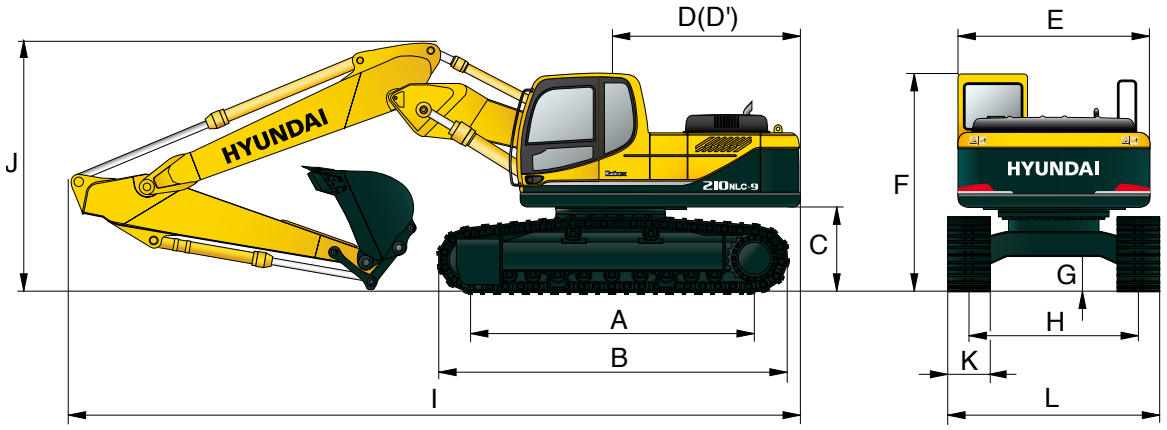
mm (ft · in)



	Boom length	5,650 (18′ 6″)		
	Arm length	2,000 (6′ 7″)	2,400 (7′ 10″)	2,920 (9′ 7″)
A	Max. digging reach	9,140 (30′ 0″)	9,510 (31′ 2″)	9,960 (32′ 8″)
A′	Max. digging reach on ground	8,960 (29′ 5″)	9,340 (30′ 8″)	9,800 (32′ 2″)
B	Max. digging depth	5,750 (18′ 10″)	6,150 (20′ 2″)	6,640 (21′ 9″)
B′	Max. digging depth (8′ level)	5,520 (18′ 1″)	5,950 (19′ 6″)	6,470 (21′ 3″)
C	Max. vertical wall digging depth	5,320 (17′ 5″)	5,780 (19′ 0″)	6,250 (20′ 6″)
D	Max. digging height	9,270 (30′ 5″)	9,500 (31′ 2″)	9,740 (31′ 11″)
E	Max. dumping height	6,450 (21′ 2″)	6,660 (21′ 10″)	6,900 (22′ 8″)
F	Min. front swing radius	3,710 (12′ 2″)	3,630 (11′ 11″)	3,580 (11′ 9″)

Dimensions & Working Ranges

DIMENSIONS R210NLC-9 / HYDRAULIC ADJUSTABLE BOOM



mm (ft · in)

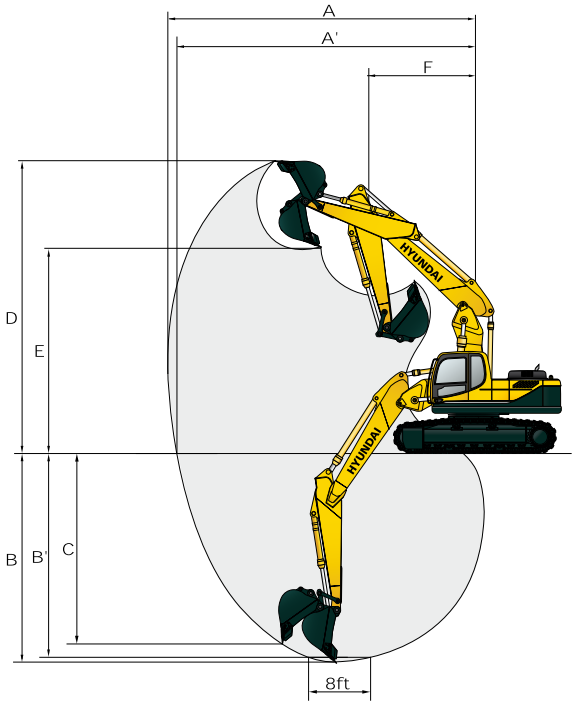
A	Tumbler distance	3,650 (12′ 0″)
B	Overall length of crawler	4,440 (14′ 7″)
C	Ground clearance of counterweight	1,060 (3′ 6″)
D	Tail swing radius	2,800 (9′ 2″)
D′	Rear-end length	2,770 (9′ 1″)
E	Overall width of upperstructure	2,530 (8′ 4″)
F	Overall height of cab	2,920 (9′ 7″)
G	Min. ground clearance	480 (1′ 7″)
H	Track gauge	2,000 (6′ 7″)

mm (ft · in)

	Boom length	5,650 (18′ 6″)	
	Arm length	2,000 (6′ 7″)	2,400 (7′ 10″)
I	Overall length	9,620 (31′ 7″)	9,550 (31′ 4″)
J	Overall height of boom	3,050 (10′ 0″)	3,000 (9′ 10″)
K	Track shoe width	500 (20″)	600 (24″)
L	Overall width	2,500 (8′ 2″)	2,600 (8′ 6″)

WORKING RANGES R210NLC-9 / HYDRAULIC ADJUSTABLE BOOM

mm (ft · in)



	Boom length	5,650 (18′ 6″)	
	Arm length	2,000 (6′ 7″)	2,400 (7′ 10″)
A	Max. digging reach	9,120 (29′ 11″)	9,530 (31′ 3″)
A′	Max. digging reach on ground	8,940 (29′ 4″)	9,360 (30′ 9″)
B	Max. digging depth	5,480 (17′ 12″)	5,890 (19′ 4″)
B′	Max. digging depth (8′ level)	5,360 (17′ 7″)	5,770 (18′ 11″)
C	Max. vertical wall digging depth	4,560 (14′ 12″)	4,990 (16′ 4″)
D	Max. digging height	10,300 (33′ 10″)	10,670 (35′ 0″)
E	Max. dumping height	7,390 (24′ 3″)	7,740 (25′ 5″)
F	Min. front swing radius	2,870 (9′ 5″)	2,670 (8′ 9″)

Lifting Capacities

R210NLC-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 : 0.87 m³ (1.14 yd³) SAE heaped / Shoe : 500 mm (20″) 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	kg									*4050	3800	6.61
(25 ft)	lb									*8930	8380	(21.7)
6.0 m	kg					*4470	4360			*4120	2800	7.75
(20 ft)	lb					*9850	9610			*9080	6170	(25.4)
4.5 m	kg			*5730	*5730	*4890	4210			*4250	2340	8.41
(15 ft)	lb			*12630	*12630	*10780	9280			*9370	5160	(27.6)
3.0 m	kg			*7480	6130	*5650	3970	*4880	2740	4350	2130	8.71
(10 ft)	lb			*16490	13510	*12460	8750	*10760	6040	9590	4700	(28.6)
1.5 m	kg			*9040	5650	*6440	3730	*5240	2640	4300	2080	8.71
(5 ft)	lb			*19930	12460	*14200	8220	*11550	5820	9480	4590	(28.6)
Ground Line	kg			*9780	5440	*6980	3580	5340	2560	4540	2190	8.40
	lb			*21560	11990	*15390	7890	11770	5640	10010	4830	(27.6)
-1.5 m	kg	*14220	10460	*9740	5410	*7080	3540			*4980	2530	7.73
(-5 ft)	lb	*31350	23060	*21470	11930	*15610	7800			*10980	5580	(25.4)
-3.0 m	kg	*12730	10670	*8950	5520	*6440	3620			*4950	3360	6.58
(-10 ft)	lb	*28060	23520	*19730	12170	*14200	7980			*10910	7410	(21.6)

Boom : 5.65 m (18′ 6″) / Arm : 2.40 m (7′ 10″) / Bucket : 0.87 m³ (1.14 yd³) SAE heaped / Shoe : 500 mm (20″) 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	kg											*3740	3340	7.12
(25 ft)	lb											*8250	7360	(23.4)
6.0 m	kg							*4030	*4030			*3820	2530	8.18
(20 ft)	lb							*8880	*8880			*8420	5580	(26.8)
4.5 m	kg					*6900	6220	*4510	4250	*4090	2850	*3950	2140	8.80
(15 ft)	lb					*15210	13710	*9940	9370	*9020	6280	*8710	4720	(28.9)
3.0 m	kg					*8590	5690	*5310	3990	*4600	2740	4050	1950	9.09
(10 ft)	lb					*18940	12540	*11710	8800	*10140	6040	8930	4300	(29.8)
1.5 m	kg					*9560	5410	*6160	3730	*5020	2620	4000	1910	9.08
(5 ft)	lb					*21080	11930	*13580	8220	*11070	5780	8820	4210	(29.8)
Ground Line	kg			*9030	*9030	*9560	5330	*6800	3550	5300	2520	4190	2000	8.79
	lb			*19910	*19910	*21080	11750	*14990	7830	11680	5560	9240	4410	(28.8)
-1.5 m	kg	*9880	*9880	*13740	10260	*9750	5400	*7030	3480			*4710	2270	8.16
(-5 ft)	lb	*21780	*21780	*30290	22620	*21500	11900	*15500	7670			*10380	5000	(26.8)
-3.0 m	kg	*14280	*14280	*13430	10450	*9200	5400	*6670	3520			*4790	2920	7.09
(-10 ft)	lb	*31480	*31480	*29610	23040	*20280	11900	*14700	7760			*10560	6440	(23.3)
-4.5 m	kg			*10820	*10820	*7500	5640							
(-15 ft)	lb			*23850	*23850	*16530	12430							

Boom : 5.65 m (18′ 6″) / Arm : 2.92 m (9′ 7″) / Bucket : 0.87 m³ (1.14 yd³) SAE heaped / Shoe : 500 mm (20″) 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	kg											*3400	2880	7.76
(25 ft)	lb											*7500	6350	(25.5)
6.0 m	kg									*2180	*2180	*3500	2250	8.73
(20 ft)	lb									*4810	*4810	*7720	4960	(28.6)
4.5 m	kg							*4020	*4020	*3860	2890	*3630	1920	9.30
(15 ft)	lb							*8860	*8860	*8510	6370	*8000	4230	(30.5)
3.0 m	kg			*9690	*9690	*6140	*6140	*4860	4040	*4260	2760	3700	1760	9.58
(10 ft)	lb			*21360	*21360	*13540	*13540	*10710	8910	*9390	6080	8160	3880	(31.4)
1.5 m	kg			*9170	*9170	*7980	5780	*5790	3750	*4750	2610	3650	1710	9.57
(5 ft)	lb			*20220	*20220	*17590	12740	*12760	8270	*10470	5750	8050	3770	(31.4)
Ground Line	kg			*9770	*9770	*9220	5410	*6540	3540	*5170	2500	3800	1780	9.29
	lb			*21540	*21540	*20330	11930	*14420	7800	*11400	5510	8380	3920	(30.5)
-1.5 m	kg	*8900	*8900	*12810	10100	*9690	5270	*6940	3430	5200	2440	4220	2000	8.71
(-5 ft)	lb	*19620	*19620	*28240	22270	*21360	11620	*15300	7560	11460	5380	9300	4410	(28.6)
-3.0 m	kg	*12300	*12300	*14180	10240	*9440	5290	*6830	3430			*4540	2480	7.73
(-10 ft)	lb	*27120	*27120	*31260	22580	*20810	11660	*15060	7560			*10010	5470	(25.4)
-4.5 m	kg			*12070	10560	*8240	5460					*4420	3730	6.14
(-15 ft)	lb			*26610	23280	*18170	12040					*9740	8220	(20.1)

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 Capacities

R210NLC-9 / HYDRAULIC ADJUSTABLE BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 5.65 m (18' 6") / Arm : 2.00 m (6' 7") / Bucket : 0.87 m³ (1.14 yd³) SAE heaped / Shoe : 500 mm (20") 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)
10.5 m	kg									*5870	*5870	4.92
(35 ft)	lb									*12940	*12940	(16.1)
9.0 m	kg									*6770	*6770	4.30
(30 ft)	lb									*14930	*14930	(14.1)
7.5 m	kg			*6820	*6820					*5440	3930	6.48
(25 ft)	lb			*15040	*15040					*11990	8660	(21.3)
6.0 m	kg			*6920	*6920	*5980	4350			*5040	2850	7.64
(20 ft)	lb			*15260	*15260	*13180	9590			*11110	6280	(25.1)
4.5 m	kg	*11250	*11250	*7810	6730	*6250	4200			4810	2360	8.31
(15 ft)	lb	*24800	*24800	*17220	14840	*13780	9260			10600	5200	(27.3)
3.0 m	kg			*9040	6120	*6720	3950	*5460	2710	4440	2140	8.62
(10 ft)	lb			*19930	13490	*14820	8710	*12040	5970	9790	4720	(28.3)
1.5 m	kg			*9800	5620	*7070	3700	5430	2600	4390	2090	8.62
(5 ft)	lb			*21610	12390	*15590	8160	11970	5730	9680	4610	(28.3)
Ground Line	kg			*9580	5380	*7000	3540			*4250	2200	8.3
	lb			*21120	11860	*15430	7800			*9370	4850	(27.2)
-1.5 m	kg	*10550	10360	*8460	5360	*6270	3500			*3710	2560	7.62
(-5 ft)	lb	*23260	22840	*18650	11820	*13820	7720			*8180	5640	(25.0)
-3.0 m	kg			*6340	5480							
(10 ft)	lb			*13980	12080							

Boom : 5.65 m (18' 6") / Arm : 2.40 m (7' 10") / Bucket : 0.87 m³ (1.14 yd³) SAE heaped / Shoe : 500 mm (20") 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)
9.0 m	kg									*5860	*5860	5.13
(30 ft)	lb									*12920	*12920	(16.8)
7.5 m	kg			*5600	*5600					*5000	3440	7.00
(25 ft)	lb			*12350	*12350					*11020	7580	(23.0)
6.0 m	kg			*6440	*6440	*5550	4420			*4680	2580	8.07
(20 ft)	lb			*14200	*14200	*12240	9740			*10320	5690	(26.5)
4.5 m	kg	*10170	*10170	*7340	6860	*5960	4250	*3490	2820	4440	2160	8.70
(15 ft)	lb	*22420	*22420	*16180	15120	*13140	9370	*7690	6220	9790	4760	(28.5)
3.0 m	kg	*14030	11450	*8630	6230	*6490	3980	*5310	2710	4130	1960	9.00
(10 ft)	lb	*30930	25240	*19030	13730	*14310	8770	*11710	5970	9110	4320	(29.5)
1.5 m	kg			*9600	5660	*6930	3710	5420	2590	4070	1910	8.99
(5 ft)	lb			*21160	12480	*15280	8180	11950	5710	8970	4210	(29.5)
Ground Line	kg	*9790	*9790	*9670	5360	*7000	3510	*5300	2490	*4060	2010	8.69
	lb	*21580	*21580	*21320	11820	*15430	7740	*11680	5490	*8950	4430	(28.5)
-1.5 m	kg	*11850	10160	*8820	5280	*6480	3440			*3650	2300	8.05
(-5 ft)	lb	*26120	22400	*19440	11640	*14290	7580			*8050	5070	(26.4)
-3.0 m	kg	*8940	*8940	*7010	5360	*5050	3490					
(10 ft)	lb	*19710	*19710	*15450	11820	*11130	7690					

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

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 (LH)
  - One key fits all lockable doors
  - Hot & cool box
  - Storage compartment & ashtray
  - Transparent cabin roof-cover
  - Radio / USB Player
  - 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 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
  - 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
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Adjustable joysticks
- 3 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
- Track shoes (500 mm; 20”)
- 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
- 12 volt power outlet (24V DC to 12V DC converter)
- Travel alarm
- Booms
  - Mono 5.65 m (18’ 6”)
  - Hydraulic adjustable 5.65 m (18’ 6”)
- Arms
  - 2.0 m (6’ 7”)
  - 2.4 m (7’ 10”)
  - 2.92 m (9’ 7”)
- Cabin FOPS/FOG (ISO/DIS 10262 Level II)
  - FOPS (Falling Object Protective Structure)
  - FOG (Falling Object Guard)
- Cabin roof-steel cover
- Cabin lights
- Rain guard - front window
- Cabin front guard-wire net
- Cabin front guard-Fine net
- Track shoes
  - Triple grousers shoe (600 mm; 24”)
- Additional cover under lower frame
- Coolant pre-heating system
- Tool kit
- Operator suit
- Rearview camera
- Seat
  - Adjustable air suspension seat
  - Adjustable air suspension seat with heater
  - Mechanical suspension seat with heater
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management System)

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to international standards.
All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

HYUNDAI
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CONSTRUCTION EQUIPMENT

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