

We build a better future

Robex

210NLC-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.

Robex 210NLC-9

Machine Walk-Around

Robust Undercarriage

Track chain with urethane seals / Track rail guard / Comfortable bolt-on steps / Large upper roller cut-offs / 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 sun roof for visibility and ventilation.
Large right-side window, for better visibility on the boom.
All windows consist of Safety glass.
Roll-up type sun visor for operator's 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 Seats & Console

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

Advanced 7" Color Cluster

7" 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

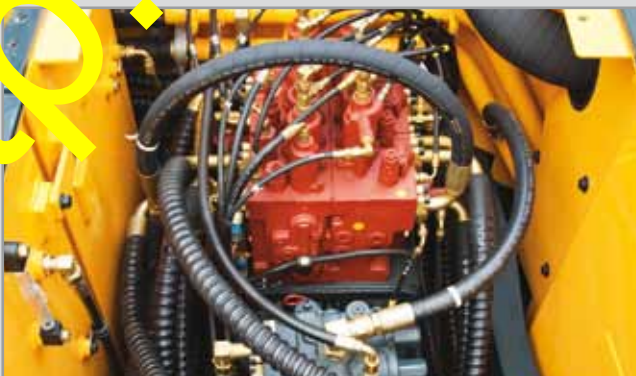
Some jobs require more precise machine settings; some operators prefer different machine settings. Using the user-mode, the operator can customize engine speed, pump output, idle speed and other machine settings according to personal preferences.

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

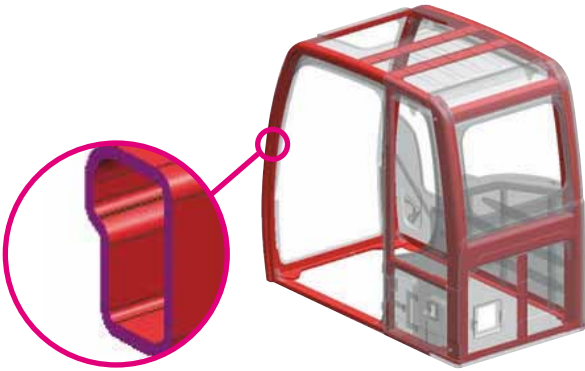
An operator, who can rely on his machine, takes pleasure in his work. 9 Series stands for lasting performance in strength, speed and reliability. The Auto boom-swing priority results into faster movements and shorter cycle times.



*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.

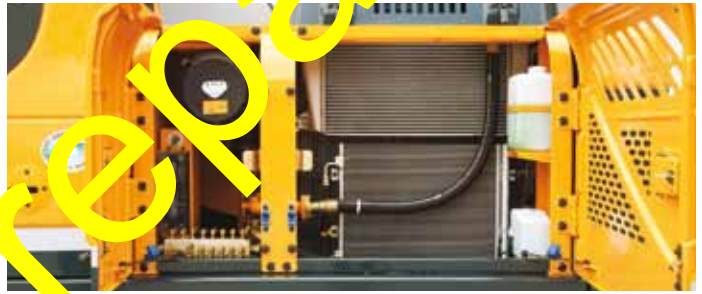
Fuel Economy

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 an internet connection.

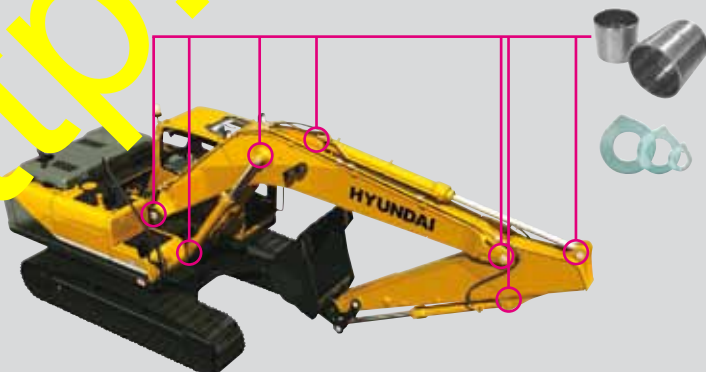


Easy Access

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 1,500 mm (5.5" x 59.1") |
| | 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 lbf (46,500 lbf) |
| Max. travel speed (high) / (low) | 5.3 km/hr (3.3 mph) / 3.4 km/hr (2.1 mph) |
| Gradeability | 30° (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) | 240.0 | 63.0 | 53.0 |
| Hydraulic tank | 43.0 | 11.3 | 9.6 |

UNDERCARRIAGE

The X-leg type center frame is internally 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 idler rollers on each side | 9 EA |
| No. of rail guides 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 shaped 0.87 m³ (1.14 yd³) 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) |

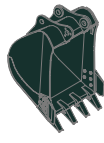
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|------------------|---------------|------------------|---------------------------|
| OPERATING WEIGHT | | | |
| Shoes | | Operating weight | Ground pressure |
| Type | Width mm (in) | kg (lb) | kgf/cm ² (psi) |
| Triple grouser | 500 (20") | 22,100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

BUCKETS

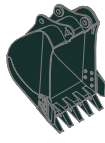
All buckets are welded with high-strength steel



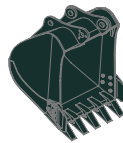
0.51 (0.67)



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



1.10 (1.44)
1.20 (1.57)



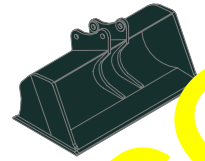
1.34 (1.75)



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



● 0.87 (1.14)



★ 0.75 (0.98)

SAE heaped 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") Mono boom | | | 5.65 (18' 6") hydraulic adjustable boom | |
| | | | | | 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/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, 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

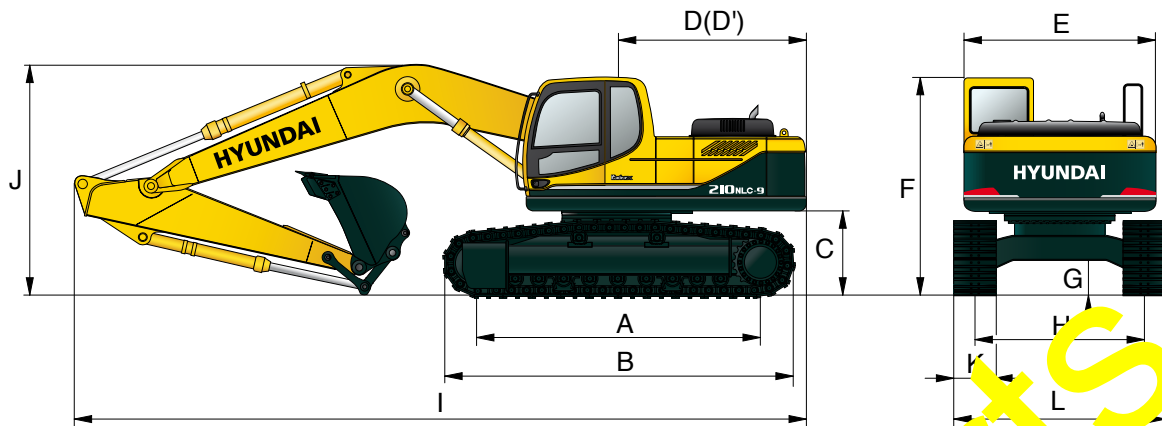
| Boom | Length | mm (ft.in) | 5,650 (18' 6") | | | Remarks |
|----------------------|--------|------------|-----------------|-----------------|-----------------|---------------------|
| | Weight | kg (lb) | 1,950 (4,300) | | | |
| Arm | Length | mm (ft.in) | 2,000 (6' 7") | 2,400 (7' 10") | 2,920 (9' 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 |
| | | lbf | 29,320 [31,830] | 29,320 [31,830] | 29,320 [31,830] | |
| | | kgf | 149.1 [161.8] | 149.1 [161.8] | 149.1 [161.8] | |
| | ISO | 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] | |
| | | 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



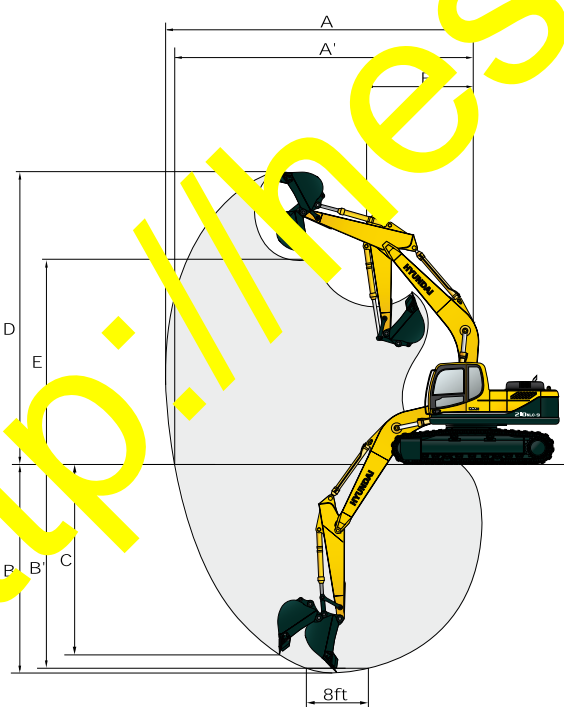
mm (ft · in)

mm (ft · in)

| | | | | | |
|-------------------------------------|----------------|--------------------------|----------------|----------------|----------------|
| A Tumbler distance | 3,650 (12' 0") | Boom length | 5,650 (18' 6") | | |
| B Overall length of crawler | 4,440 (14' 7") | Arm length | 2,000 (6' 7") | 2,400 (7' 10") | 2,920 (9' 7") |
| C Ground clearance of counterweight | 1,060 (3' 6") | I Overall length | 9,050 (29' 8") | 9,570 (31' 5") | 9,510 (31' 2") |
| D Tail swing radius | 2,800 (9' 2") | J Overall height of boom | 3,250 (10' 8") | 3,170 (10' 5") | 3,100 (10' 2") |
| D' Rear-end length | 2,770 (9' 1") | K Track shoe width | 500 (20") | 600 (24") | |
| E Overall width of upperstructure | 2,530 (8' 4") | L Overall track length | 2,500 (8' 2") | 2,600 (8' 6") | |
| F Overall height of cab | 2,920 (9' 7") | | | | |
| G Min. ground clearance | 480 (1' 7") | | | | |
| H Track gauge | 2,000 (6' 7") | | | | |

WORKING RANGES R210NLC-9 / MONO BOOM

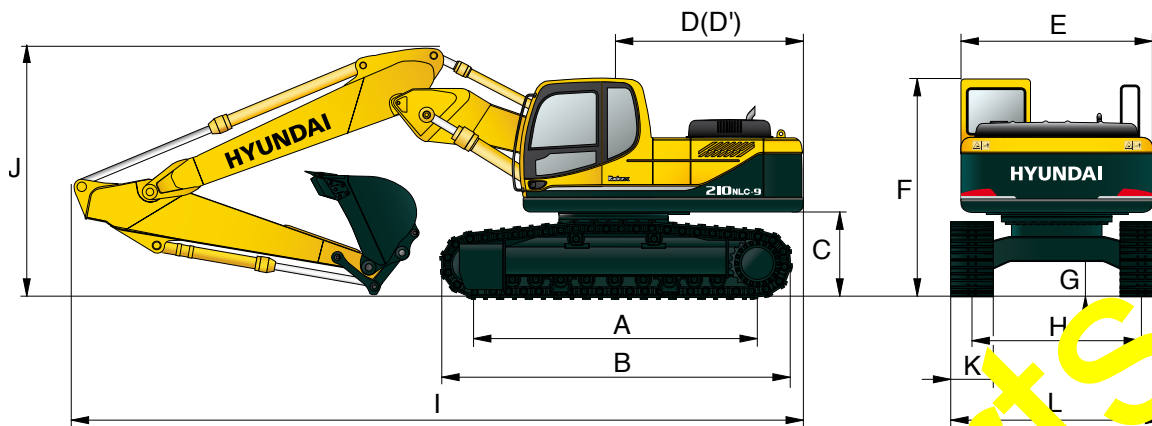
mm (ft · in)



| | | | |
|------------------------------------|-----------------|-----------------|-----------------|
| 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



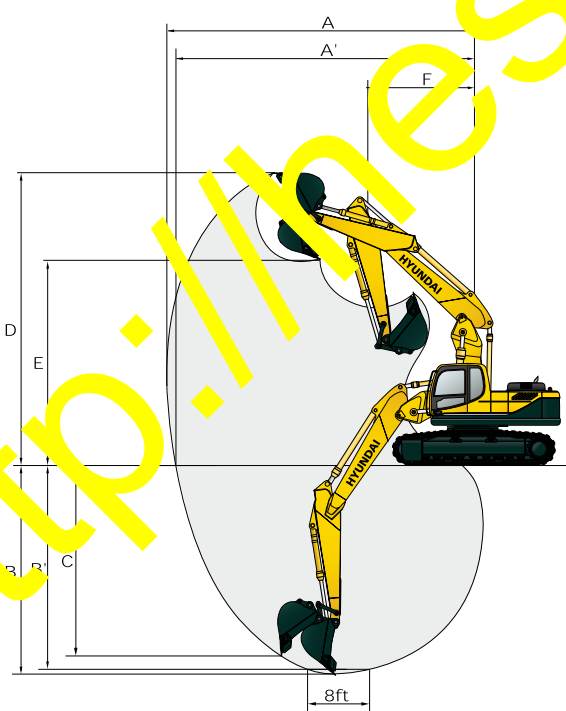
mm (ft · in)

mm (ft · in)

| | | | |
|-------------------------------------|----------------|--------------------------|----------------|
| A Tumbler distance | 3,650 (12' 0") | Boom length | 5,650 (18' 6") |
| B Overall length of crawler | 4,440 (14' 7") | Arm length | 2,400 (7' 10") |
| C Ground clearance of counterweight | 1,060 (3' 6") | I Overall length | 9,550 (31' 4") |
| D Tail swing radius | 2,800 (9' 2") | J Overall height of boom | 3,000 (9' 10") |
| D' Rear-end length | 2,770 (9' 1") | K Track shoe width | 600 (24") |
| E Overall width of upperstructure | 2,530 (8' 4") | L Overall width | 2,600 (8' 6") |
| F Overall height of cab | 2,920 (9' 7") | | |
| G Min. ground clearance | 480 (1' 7") | | |
| H Track gauge | 2,000 (6' 7") | | |

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 (25 ft) | kg | | | | | | | | | *4050 | 3800 | 6.1 |
| | lb | | | | | | | | | *8930 | 8380 | (23.4) |
| 6.0 m (20 ft) | kg | | | | | *4470 | 4360 | | | *4120 | 2800 | 7.7 |
| | lb | | | | | *9850 | 9610 | | | *9080 | 6170 | (25.4) |
| 4.5 m (15 ft) | kg | | *5730 | *5730 | *4890 | 4210 | | | | *4250 | 2340 | 8.4 |
| | lb | | *12630 | *12630 | *10780 | 9280 | | | | *9370 | 5160 | (27.6) |
| 3.0 m (10 ft) | kg | | *7480 | 6130 | *5650 | 3970 | *4880 | 2740 | | 4350 | 2130 | 9.1 |
| | lb | | *16490 | 13510 | *12460 | 8750 | *10760 | 6040 | | 9590 | 4700 | (28.6) |
| 1.5 m (5 ft) | kg | | *9040 | 5650 | *6440 | 3730 | *5240 | 2640 | | 4300 | 2080 | 8.71 |
| | lb | | *19930 | 12460 | *14200 | 8220 | *11550 | 5820 | | 9470 | 4590 | (28.6) |
| Ground Line | kg | | *9780 | 5440 | *6980 | 3580 | 5340 | 2560 | | 4570 | 2390 | 8.40 |
| | lb | | *21560 | 11990 | *15390 | 7890 | 11770 | 5640 | | 10010 | 5300 | (27.6) |
| -1.5 m (-5 ft) | kg | *14220 | 10460 | *9740 | 5410 | *7080 | 3540 | | | 4190 | 2530 | 7.73 |
| | lb | *31350 | 23060 | *21470 | 11930 | *15610 | 7800 | | | *9270 | 5580 | (25.4) |
| -3.0 m (-10 ft) | kg | *12730 | 10670 | *8950 | 5520 | *6440 | 3620 | | | *4950 | 3360 | 6.58 |
| | 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 (25 ft) | kg | | | | | | | | | | | *3740 | 3340 | 7.12 |
| | lb | | | | | | | | | | | *8250 | 7360 | (23.4) |
| 6.0 m (20 ft) | kg | | | | | | 4030 | 3930 | | | | *3820 | 2530 | 8.18 |
| | lb | | | | | | 8880 | 8680 | | | | *8420 | 5580 | (26.8) |
| 4.5 m (15 ft) | kg | | | | *6900 | 6700 | *4250 | 4250 | *4090 | 2850 | | *3950 | 2140 | 8.80 |
| | lb | | | | *15210 | 13710 | *9370 | 9370 | *9020 | 6280 | | *8710 | 4720 | (28.9) |
| 3.0 m (10 ft) | kg | | | | *8590 | 5690 | *5310 | 3990 | *4600 | 2740 | | 4050 | 1950 | 9.09 |
| | lb | | | | *18940 | 12490 | *11710 | 8800 | *10140 | 6040 | | 8930 | 4300 | (29.8) |
| 1.5 m (5 ft) | kg | | | | *9560 | 5410 | *6160 | 3730 | *5020 | 2620 | | 4000 | 1910 | 9.08 |
| | lb | | | | *21080 | 11930 | *13580 | 8220 | *11070 | 5780 | | 8820 | 4210 | (29.8) |
| Ground Line | kg | | *9030 | *9030 | 5660 | 5370 | *6800 | 3550 | 5300 | 2520 | | 4190 | 2000 | 8.79 |
| | lb | | *19910 | *19910 | *12560 | 11830 | *14990 | 7830 | 11680 | 5560 | | 9240 | 4410 | (28.8) |
| -1.5 m (-5 ft) | kg | *9880 | *9880 | *13740 | 10200 | *9750 | 5400 | *7030 | 3480 | | | *4710 | 2270 | 8.16 |
| | lb | *21780 | *21780 | *30290 | 22620 | *21500 | 11900 | *15500 | 7670 | | | *10380 | 5000 | (26.8) |
| -3.0 m (-10 ft) | kg | *14280 | *14280 | *13430 | 10250 | *9200 | 5400 | *6670 | 3520 | | | *4790 | 2920 | 7.09 |
| | lb | *31480 | *31480 | *29610 | 23040 | *20380 | 11900 | *14700 | 7760 | | | *10560 | 6440 | (23.3) |
| -4.5 m (-15 ft) | kg | | | *10820 | *7500 | 5640 | | | | | | | | |
| | lb | | | *23850 | *16350 | 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 (25 ft) | kg | | | | | | | | | | | *3400 | 2880 | 7.76 |
| | lb | | | | | | | | | | | *7500 | 6350 | (25.5) |
| 6.0 m (20 ft) | kg | | | | | | | | | *2180 | *2180 | *3500 | 2250 | 8.73 |
| | lb | | | | | | | | | *4810 | *4810 | *7720 | 4960 | (28.6) |
| 4.5 m (15 ft) | kg | | | | | | | *4020 | *4020 | *3860 | 2890 | *3630 | 1920 | 9.30 |
| | lb | | | | | | | *8860 | *8860 | *8510 | 6370 | *8000 | 4230 | (30.5) |
| 3.0 m (10 ft) | kg | | | *9690 | *9690 | *6140 | *6140 | *4860 | 4040 | *4260 | 2760 | 3700 | 1760 | 9.58 |
| | lb | | | *21360 | *21360 | *13540 | *13540 | *10710 | 8910 | *9390 | 6080 | 8160 | 3880 | (31.4) |
| 1.5 m (5 ft) | kg | | | *9170 | *9170 | *7980 | 5780 | *5790 | 3750 | *4750 | 2610 | 3650 | 1710 | 9.57 |
| | 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 (-5 ft) | kg | *8900 | *8900 | *12810 | 10100 | *9690 | 5270 | *6940 | 3430 | 5200 | 2440 | 4220 | 2000 | 8.71 |
| | lb | *19620 | *19620 | *28240 | 22270 | *21360 | 11620 | *15300 | 7560 | 11460 | 5380 | 9300 | 4410 | (28.6) |
| -3.0 m (-10 ft) | kg | *12300 | *12300 | *14180 | 10240 | *9440 | 5290 | *6830 | 3430 | | | *4540 | 2480 | 7.73 |
| | lb | *27120 | *27120 | *31260 | 22580 | *20810 | 11660 | *15060 | 7560 | | | *10010 | 5470 | (25.4) |
| -4.5 m (-15 ft) | kg | | | *12070 | 10560 | *8240 | 5460 | | | | | *4420 | 3730 | 6.14 |
| | lb | | | *26610 | 23280 | *18170 | 12040 | | | | | *9740 | 8220 | (20.1) |










- 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










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 (35 ft) | kg | | | | | | | | | *5870 | *5870 | 4.2 |
| | lb | | | | | | | | | *12940 | *12940 | (16.8) |
| 9.0 m (30 ft) | kg | | | | | | | | | *6770 | *6770 | 4.3 |
| | lb | | | | | | | | | *14930 | *14930 | (14.1) |
| 7.5 m (25 ft) | kg | | | *6820 | *6820 | | | | | *5440 | 3930 | 6.4 |
| | lb | | | *15040 | *15040 | | | | | *11990 | 8660 | (21.5) |
| 6.0 m (20 ft) | kg | | | *6920 | *6920 | *5980 | 4350 | | | *5040 | 2850 | 7.4 |
| | lb | | | *15260 | *15260 | *13180 | 9590 | | | *11110 | 6280 | (25.1) |
| 4.5 m (15 ft) | kg | *11250 | *11250 | *7810 | 6730 | *6250 | 4200 | | | 4810 | 2360 | 8.31 |
| | lb | *24800 | *24800 | *17220 | 14840 | *13780 | 9260 | | | 10660 | 5200 | (27.3) |
| 3.0 m (10 ft) | kg | | | *9040 | 6120 | *6720 | 3950 | *5460 | 2710 | 4440 | 2100 | 8.62 |
| | lb | | | *19930 | 13490 | *14820 | 8710 | *12040 | 5970 | 9790 | 4620 | (28.3) |
| 1.5 m (5 ft) | kg | | | *9800 | 5620 | *7070 | 3700 | 5430 | 2600 | 4000 | 2090 | 8.62 |
| | lb | | | *21610 | 12390 | *15590 | 8160 | 11970 | 5730 | 8860 | 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 (-5 ft) | kg | *10550 | 10360 | *8460 | 5360 | *6270 | 3500 | | | 3710 | 2560 | 7.62 |
| | lb | *23260 | 22840 | *18650 | 11820 | *13820 | 7720 | | | *8180 | 5640 | (25.0) |
| -3.0 m (-10 ft) | kg | | | *6340 | 5480 | | | | | | | |
| | 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 (30 ft) | kg | | | | | | | | | *5860 | *5860 | 5.13 |
| | lb | | | | | | | | | *12920 | *12920 | (16.8) |
| 7.5 m (25 ft) | kg | | | *5600 | *5600 | | | | | *5000 | 3440 | 7.00 |
| | lb | | | *12350 | *12350 | | | | | *11020 | 7580 | (23.0) |
| 6.0 m (20 ft) | kg | | | *6440 | *6440 | *5500 | 4420 | | | *4680 | 2580 | 8.07 |
| | lb | | | *14200 | *14200 | *12240 | 9740 | | | *10320 | 5690 | (26.5) |
| 4.5 m (15 ft) | kg | *10170 | *10170 | *7340 | 6860 | *5960 | 4250 | *3490 | 2820 | 4440 | 2160 | 8.70 |
| | lb | *22420 | *22420 | *16180 | 15120 | *13240 | 9370 | *7690 | 6220 | 9790 | 4760 | (28.5) |
| 3.0 m (10 ft) | kg | *14030 | 11450 | *8630 | 6230 | *6490 | 3980 | *5310 | 2710 | 4130 | 1960 | 9.00 |
| | lb | *30930 | 25240 | *19030 | 13730 | *14310 | 8770 | *11710 | 5970 | 9110 | 4320 | (29.5) |
| 1.5 m (5 ft) | kg | | | *9600 | 5700 | *6930 | 3710 | 5420 | 2590 | 4070 | 1910 | 8.99 |
| | lb | | | *21300 | 12480 | *15280 | 8180 | 11950 | 5710 | 8970 | 4210 | (29.5) |
| Ground Line | kg | *9790 | *9790 | *7000 | 5360 | *7000 | 3510 | *5300 | 2490 | *4060 | 2010 | 8.69 |
| | lb | *21580 | *21580 | *15430 | 11820 | *15430 | 7740 | *11680 | 5490 | *8950 | 4430 | (28.5) |
| -1.5 m (-5 ft) | kg | *11850 | 10160 | *8820 | 5280 | *6480 | 3440 | | | *3650 | 2300 | 8.05 |
| | lb | *26120 | 22400 | *19440 | 11640 | *14290 | 7580 | | | *8050 | 5070 | (26.4) |
| -3.0 m (-10 ft) | kg | *8940 | *8940 | *7000 | 5360 | *5050 | 3490 | | | | | |
| | lb | *19710 | *19710 | *15430 | 11820 | *11130 | 7690 | | | | | |

- Lifting capacity is based on SAE J11097, and 10567.
- Lifting capacity of the R210NLC-9 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.

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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-moment motor (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

