

## STANDARD EQUIPMENT

### ISO Standard cabin

All-weather steel cab with 360° visibility  
Safety glass windows  
Rise-up type windshield wiper  
Sliding fold-in front window  
Sliding side window(LH)  
Lockable door  
Hot & cool box  
Storage compartment & Ashtray  
Transparent cabin roof-cover  
Radio / USB player  
Handsfree mobile phone system with USB  
Sun visor

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

### Computer aided power optimization (New CAPO) system

3-power mode, 2-work mode, User mode  
Auto deceleration & one-touch deceleration system  
Auto warm-up system  
Auto overheat prevention system

### Automatic climate control

Air conditioner & heater  
Defroster

### Self-diagnostics system

### Starting Aid (air grid heater) for cold weather

### Centralized monitoring

LCD display  
Engine speed or Trip meter/Accel.  
Clock  
Gauges  
Fuel level gauge  
Engine coolant temperature gauge  
Hyd. oil temperature gauge  
Warnings  
Check Engine  
Communication error  
Low battery  
Air cleaner clogging  
Indicators  
Power max  
Fuel warmer  
Auto idle

### Door and cab locks, one key

### Two outside rearview mirrors

### Mechanical suspension seat with heater

### Pilot-operated slidable joystick

### Console box height adjust system

### Four front working lights

### Electric horn

### Batteries (2 x 12V x 100 AH)

### Battery master switch

### Removable clean-out screen for oil cooler

### Automatic swing brake

### Removable reservoir tank

### Fuel pre-filter with fuel warmer

### Boom holding system

### Arm holding system

### Track shoes (600mm, 24")

### Track rail guard

### Accumulator for lowering work equipment

### Electric transducer

### Lower frame under cover (Normal)

### Viscous fan clutch

## OPTIONAL EQUIPMENT

### Fuel filler pump (50 L/min)

### Beacon lamp

### Safety lock valve for boom cylinder with overload warning device

### Safety lock valve for arm cylinder

### Single-acting piping kit (breaker, etc.)

### Double-acting piping kit (clamshell, etc.)

### Quick coupler

### Travel alarm

### Arms

2.00 m, 6' 7"

2.40 m, 7' 10"

2.92 m, 9' 7"

### Cabin lights

### Cabin front window rain guard

### Track shoes

700mm, 28"

800mm, 32"

900mm, 36"

### Lower frame under cover (Additional)

### Long crawler lower frame

### Tool kit

### Operator suit

### Rearview camera

### Pattern change valve (2 patterns)

### Hi-mate (Remote Management System)

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

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

We build a better future

Robex

235LCR-9

With Tier 3 Engine installed



\*Photo may include optional equipment.

PLEASE CONTACT

www.hyundai-ce.com

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## **HYUNDAI** HEAVY INDUSTRIES CO.,LTD. **CONSTRUCTION EQUIPMENT**

Head Office (Sales Office)  
1 JEONHA-DONG, DONG-GU, ULSAN, KOREA TEL: (82) 52-202-7970, 7729, 0971 FAX: (82) 52-202-7979, 7720

Americas Operation: Hyundai Construction Equipment Americas, Inc.  
955 ESTES AVENUE, ELK GROVE VILLAGE, IL. 60007, U.S.A. TEL: (1) 847-437-3333 FAX: (1) 847-437-3574

Europe Operation: Hyundai Heavy Industries Europe N.V.  
VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

India Operation: Hyundai Construction Equipment India Pvt., Ltd.  
PLOT NO.A-2, CHAKAN INDUSTRIAL AREA, VILL.- KHALUMBRE, TALUK.- KHED., DIST.- PUNE 410 501, INDIA  
TEL: (91) 21-3530-1700 FAX: (91) 21-3530-1712

 **HYUNDAI**  
HEAVY INDUSTRIES CO.,LTD.



# Pride at Work

Hyundai Heavy Industries strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. Take pride in your work with Hyundai!

## Robex 235LCR-9

### Machine Walk-Around

#### Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps  
Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner

#### Engine Technology

Proven / reliable, fuel efficient Cummins QSB6.7 engine  
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion  
Low noise / Auto engine overheat feature / Anti-restart feature

#### Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

#### Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps  
New compact solenoid block equipped with 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and line filter controls  
2 speed travel, power boost, boom priority, arm-in regeneration, safety lock

#### Enhanced Operator Cab

##### Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation  
Larger right-side glass - now one piece, for better right visibility  
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade  
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

##### Improved Cab Construction

New steel tube construction for added operator safety, protection and durability  
New window open/close mechanism designed with cable and spring lift assist and single latch release

##### Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling  
Adjustable heated suspension seat, control console and arm rests

##### Advanced 7" Color Cluster

New Color LCD Display with easy-to-read digital gauges for hydraulic oil temperature, water temperature, and fuel. A simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.

3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference  
Enhanced self-diagnostic features with GPS download capability  
One pump flow or two pump flow for optional attachment now selectable through the cluster / New anti-theft system with password capability

Boom speed and arm regeneration are selectable through the monitor.

Auto power boost is now available - selectable (on/off) through the monitor.

Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7A series!

RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.



# Preference

Operating the R235LCR-9 is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.



\*Photo may include optional equipment.



## Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

## Operator Comfort

In the 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Additional creature comforts include the fully automatic high-capacity airconditioning system and the radio / USB player.



## Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9 series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo and, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the hands-free cell phone feature.



## Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.





# Precision

Innovative hydraulic system technologies make the 9 series excavator fast, smooth and easy to control.



\*Photo may include optional equipment.

## Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, provide the precise flow needed for the job at hand. Operators can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button. The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperature and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

### Power Mode

P (Power Max) mode maximizes machine speed and power for mass production. S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

### Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

### User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

## Improved Hydraulic System



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

Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.

Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9

series look like a smooth operator. Newly improved features

include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.



## Auto Boom & Swing Priority

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



# Performance

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

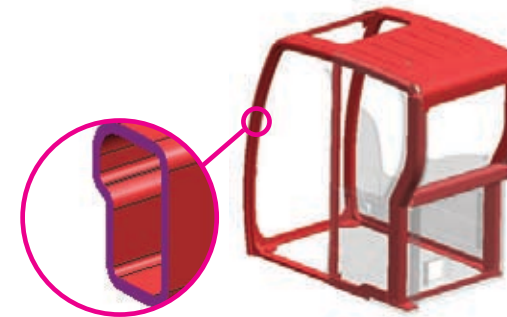


\*Photo may include optional equipment.

## Track Rail Guard & Adjusters

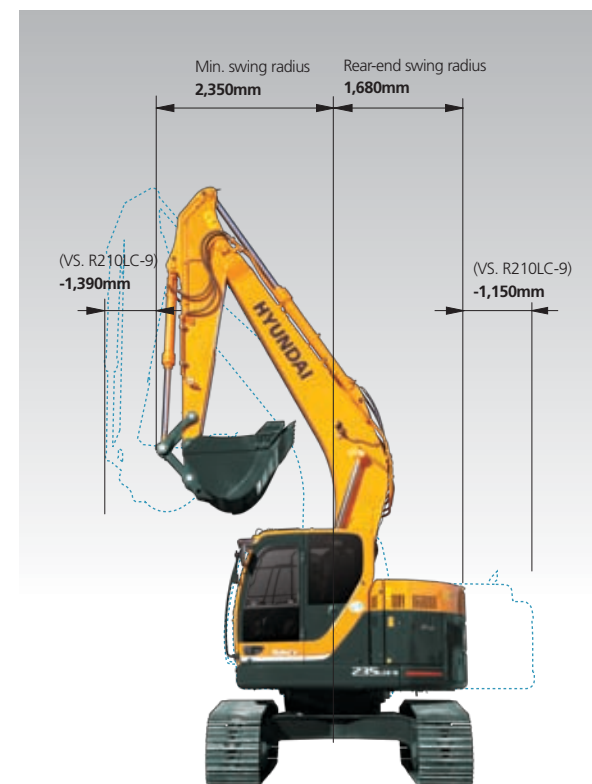
in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs.

Durable track rail guards keep track links



## Structure Strength

The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.



## Excellent Performance in Confined Areas

R235LCR-9's short (1,680mm) tail swing radius allows the operator work in confined areas like close to buildings on roadways, and in urban areas. This Compact radius design provides easy and efficient operation in any limited space work environment.

## Eco-friendly Cummins QSB 6.7 Engine

The CUMMINS QSB6.7 engine combines advanced electronic controls and a self-diagnostic system with reliable performance. The combination of a high pressure common rail system and an advanced in-cylinder combustion technology results in increased power, improved transient response and reduced fuel consumption. The QSB6.7 Cummins engine complies with current emissions standards including EPA Tier3 and EU Stage III-A.

## The Definition of Progress

The Quantum System B Series 6.7-liter engine combines full authority electronic controls with the reliable performance. The electronics with the QSB6.7 have been proven with our high-horsepower products working in the harshest, most demanding environments-search as dusty, non-stop mining operations while meeting emissions regulations worldwide. The QSB6.7 features 24 valve designed with centered injectors and symmetrical piston bowl. The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient response and reduced fuel consumption.





# Profitability

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



\*Photo may include optional equipment.

## Fuel Efficient

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



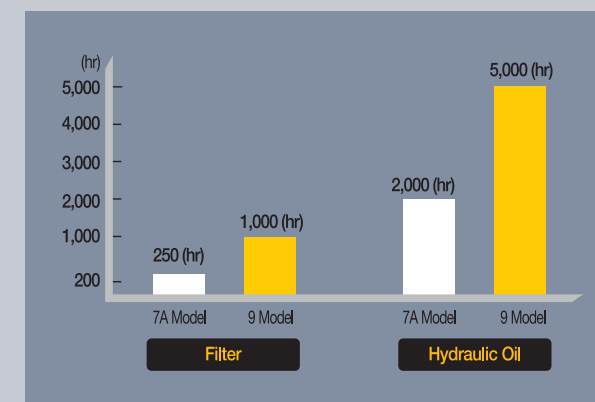
## Hi-mate (Remote Management System)

Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-mate saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.



## Easy Access

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



## Extended Life Components

9 series excavators were designed with bushings designed for extended lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), extended-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.



# Specifications

## ENGINE

MODEL	CUMMINS QSB6.7 Engine		
Type	Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged charger and air cooled		
Rated flywheel horse power	SAE	J1995 (gross)	151HP (113kW)/ 1,900 rpm
		J1349 (net)	143HP (107kW)/ 1,900 rpm
horse power	DIN	6271/1 (gross)	153PS (113kW)/ 1,900 rpm
		6271/1 (net)	145PS (107kW)/ 1,900 rpm
Max. torque	63.6kgf·m (460lbf-ft)/1,500rpm		
Bore X stroke	107mm X 124mm (4.2" X 4.9")		
Piston	6,700cc (409 in <sup>3</sup> )		
Batteries	2 X 12V X 100AH		
Starting motor	24V, 4.5kW		
Alternator	24V, 70Amp		

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Rated 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 pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm <sup>2</sup> (4,980 psi)
Travel	350 kgf/cm <sup>2</sup> (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,410 psi)
Swing circuit	285 kgf/cm <sup>2</sup> (4,050 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-120 X 1,290 mm (4.7" X 50.8")
	Arm: 1-140 X 1,510 mm (5.5" X 59.4")
	Bucket: 1-120 X 1,055 mm (4.7" X 41.5")

## DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	21,100 kgf (46,517 lbf)
Max. travel speed(high) / (low)	5.3 km/hr (3.3mph) / 3.4 km/hr (2.1mph)
Gradeability	30° (58 %)
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	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.7 rpm

## COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	320	84.5	70.4
Engine coolant	35	9.2	7.7
Engine oil	24	6.3	5.3
Swing device-gear oil	5	1.3	1.1
Final drive(each)-gear oil	5.8	2	1
Hydraulic system(including tank)	275	72.6	60.5
Hydraulic tank	160	42.3	35.2

## UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	49 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

## OPERATING WEIGHT (APPROXIMATE)








Operating weight, including 5,680mm (18' 8") boom, 2,920mm (9' 7") arm, SAE heaped 0.80m<sup>3</sup> (1.05 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	
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 <sup>2</sup> (psi)
Triple grouser	600 (24")	23,800 (52,470)	0.51 (7.25)
	700 (28")	24,150 (53,240)	0.44 (6.26)
	800 (32")	24,415 (53,830)	0.39 (5.55)
	900 (36")	24,680 (54,410)	0.35 (4.98)

## BUCKETS

All buckets are welded with high-strength steel.

							
SAE heaped m <sup>3</sup> (yd <sup>3</sup> )	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)	
Capacity m <sup>3</sup> (yd <sup>3</sup> )	Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)			
SAE heaped	CECE heaped	Without side cutters		With side cutters	5,680 (18' 8") Boom		
0.51 (0.67)	0.45 (0.59)	700 (27.6)	820 (32.3)	570 (1,260)	2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm
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

● Rock-Heavy duty bucket

● : Applicable for materials with density of 2,000 kg /m<sup>3</sup> (3,370 lb/ yd<sup>3</sup>) or less

■ : Applicable for materials with density of 1,600 kg /m<sup>3</sup> (2,700 lb/ yd<sup>3</sup>) or less

▲ : Applicable for materials with density of 1,100 kg /m<sup>3</sup> (1,850 lb/ yd<sup>3</sup>) or less

## ATTACHMENT

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

## DIGGING FORCE

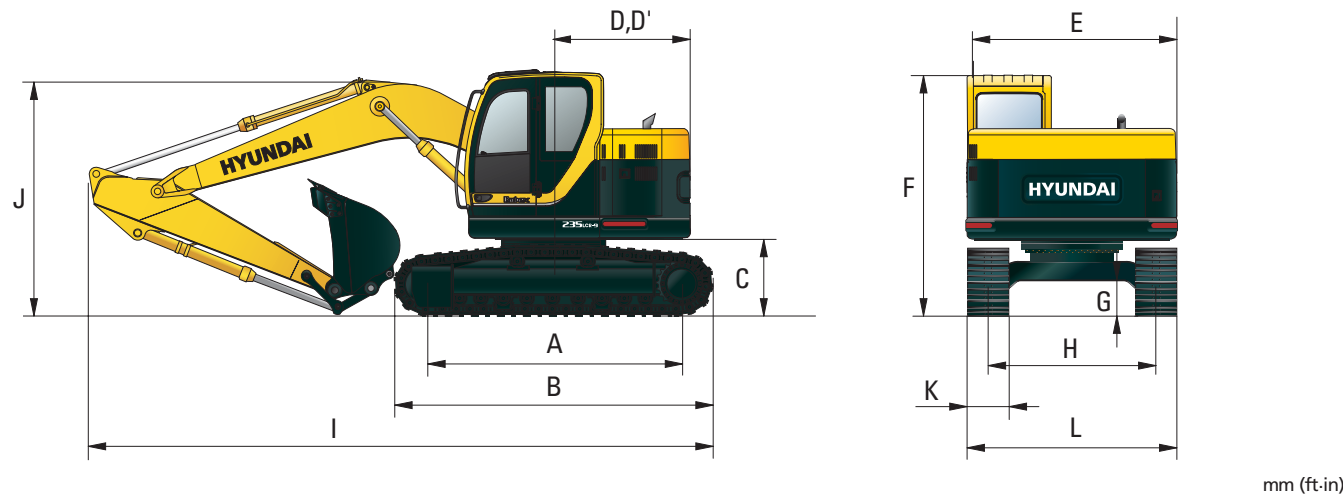
Boom	Length	mm (ft-in)	5,680 (18' 8")			Remarks
	Weight	kg (lb)	1,950 (4,300)			
Arm	Length	mm (ft-in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	[ ]: Power Boost
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	
		kgf	13600 [14840]	13600 [14840]	13600 [14840]	
		lbf	29980 [32710]	29980 [32710]	29980 [32710]	
	ISO	kN	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	
		kgf	15500 [16910]	15500 [16910]	15500 [16910]	
		lbf	34170 [37280]	34170 [37280]	34170 [37280]	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	

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

Arm weight includes bucket cylinder, linkage, and pin

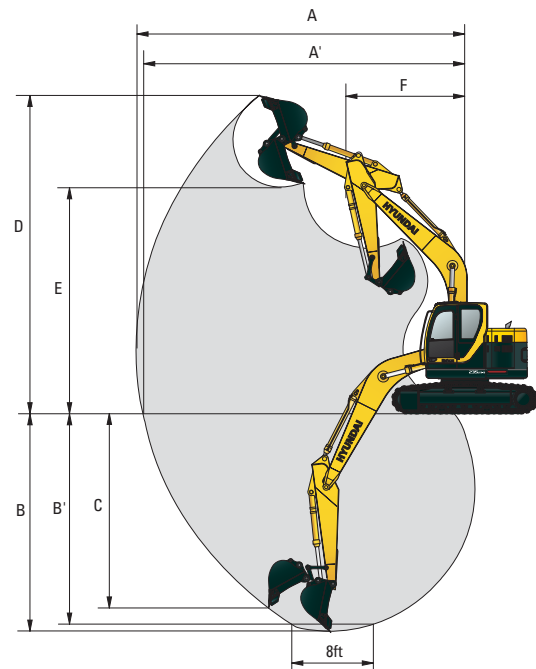
# Dimensions & Working Range

## R235LCR-9 DIMENSIONS



		mm (ft.-in)			
A	Tumbler distance	3,650 (11' 12")			
B	Overall length of crawler	4,440 (14' 7")			
C	Ground clearance of counterweight	1,060 (3' 6")			
D	Tail swing radius	1,680 (5' 6")			
D'	Rear-end length	1,680 (5' 6")			
E	Overall width of upperstructure	2,980 (9' 9")			
F	Overall height of cab	2,950 (9' 8")			
G	Min. ground clearance	480 (1' 7")			
H	Track gauge	2,390 (7' 10")			
	Boom length	5,680 (18' 8")			
	Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
	I Overall length	9,040 (29' 8")	8,950 (29' 4")	8,910 (29' 3")	
	J Overall height of boom	3,200 (10' 6")	3,100 (10' 2")	3,020 (9' 11")	
	K Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")
	L Overall width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")

## R235LCR-9 WORKING RANGE



		mm (ft.-in)			
	Boom length	5,680 (18' 8")			
	Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
A	Max. digging reach	9,040 (29' 8")	9,430 (30' 11")	9,910 (32' 6")	
A'	Max. digging reach on ground	8,860 (29' 1")	9,260 (30' 5")	9,750 (31' 12")	
B	Max. digging depth	5,780 (18' 12")	6,180 (20' 3")	6,700 (21' 12")	
B'	Max. digging depth (8' level)	5,550 (18' 3")	5,980 (19' 7")	6,530 (21' 5")	
C	Max. vertical wall digging depth	5,140 (16' 10")	5,710 (18' 9")	6,270 (20' 7")	
D	Max. digging height	10,090 (33' 1")	10,420 (34' 2")	10,830 (35' 6")	
E	Max. dumping height	7,190 (23' 7")	7,510 (24' 8")	7,890 (25' 11")	
F	Min. swing radius	2,860 (9' 5")	2,550 (8' 4")	2,350 (7' 9")	

# Lifting Capacity

## R235LCR-9

Rating over-front Rating over-side or 360 degree

Boom : 5.68 m (18' 8") / Arm : 2.0 m (6' 7") / Bucket : 0.80 m<sup>3</sup> (1.05yd) SAE heaped / Shoe : 600mm(24") triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach m (ft)
10.5 m (35 ft)	kg									*4210	*4210	4.63
	lb									*9280	*9280	(15.2)
9.0 m (30 ft)	kg									*4630	*4630	4.48
	lb									*10210	*10210	(14.7)
7.5 m (25 ft)	kg			*4820	*4820					*4150	*4150	6.56
	lb			*10630	*10630					*9150	*9150	(21.5)
6.0 m (20 ft)	kg			*4980	*4980	*4590	*4590			*4050	*4050	7.70
	lb			*10980	*10980	*10120	*10120			*8930	*8930	(25.3)
4.5 m (15 ft)	kg	*8350	*8350	*5930	*5930	*10120	4570			*4050	*4050	8.36
	lb	*18410	*18410	*13070	*13070	*10820	10080			*8930	*8930	(27.4)
3.0 m (10 ft)	kg			*7310	6760	*5490	4310	*4620	2960	*4080	*4080	8.67
	lb			*16120	14900	*12100	9500	*10190	6530	*8990	*8990	(28.4)
1.5 m (5 ft)	kg			*8410	6250	*6040	4070	*4820	2860	*4130	*4130	8.66
	lb			*18540	13780	*13320	8970	*10630	6310	*9110	*9110	(28.4)
Ground Line	kg			*8720	6020	*6300	3910			*4150	*4150	8.36
	lb			*19220	13270	*13890	8620			*9150	*9150	(27.4)
-1.5 m (-5 ft)	kg	*11480	*11480	*8320	5980	*6110	3860			*4070	*4070	7.69
	lb	*25310	*25310	*18340	13180	*13470	8510			*8970	*8970	(25.2)
-3.0 m (-10 ft)	kg	*9710	*9710	*7190	6090	*5140	3950			*3660	*3660	6.55
	lb	*21410	*21410	*15850	13430	*11330	8710			*8070	*8070	(21.5)

Boom : 5.68 m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m<sup>3</sup> (1.05 yd) SAE heaped / Shoe : 600mm(24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach m (ft)
9.0 m (30 ft)	kg											*4110	*4110	5.25
	lb											*9060	*9060	(17.2)
7.5 m (25 ft)	kg					*4280	*4280					*3820	*3820	7.07
	lb					*9440	*9440					*8420	*8420	(23.2)
6.0 m (20 ft)	kg					*4500	*4500	*4220	*4220			*3760	*3760	8.12
	lb					*9920	*9920	*9300	*9300			*8290	*8290	(26.6)
4.5 m (15 ft)	kg			*7270	*7270	*5450	*5450	*4600	*4600	*3950	3080	*3770	*3770	8.74
	lb			*16030	*16030	*12020	*12020	*10140	*10140	*8710	6790	*8310	*8310	(28.7)
3.0 m (10 ft)	kg			*11380	*11380	*6850	*6850	*5230	4350	*4420	2980	*3820	*3820	9.04
	lb			*25090	*25090	*15100	*15100	*11530	9590	*9740	6570	*8420	*8420	(29.7)
1.5 m (5 ft)	kg					*8100	6310	*5840	4080	*4690	2850	3850	3850	20.90
	lb					*17860	13910	*12870	8990	*10340	6280	8490	8490	(29.6)
Ground Line	kg			*9120	*9120	*8640	6000	*6210	3890	*4820	2750	*3930	*3930	8.74
	lb			*20110	*20110	*19050	13230	*13690	8580	*10630	6060	*8660	*8660	(28.7)
-1.5 m (-5 ft)	kg	*9720	*9720	*12220	11860	*8450	5920	*6160	3810			*3900	*3900	8.12
	lb	*21430	*21430	*26940	26150	*18630	13050	*13580	8400			*8600	*8600	(26.6)
-3.0 m (-10 ft)	kg	*14180	*14180	*10550	5990	*7550	5990	*5480	3850			*3650	*3650	7.06
	lb	*31260	*31260	*23260	13210	*16640	13210	*12080	8490			*8050	*8050	(23.2)
-4.5 m (-15 ft)	kg			*7670	*7670	*5530	*5530							
	lb			*16910	*16910	*12190	*12190							

Boom : 5.68 m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m<sup>3</sup> (1.05 yd) SAE heaped / Shoe : 600mm(24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach m (ft)
9.0 m (30 ft)	kg					*2970	*2970					*3630	*3630	6.12
	lb					*6550	*6550					*8000	*8000	(20.1)
7.5 m (25 ft)	kg							*3310	*3310			*3460	*3460	7.70
	lb							*7300	*7300			*7630	*7630	(25.3)
6.0 m (20 ft)	kg							*3780	*3780			*3430	*3430	8.66
	lb							*8330	*8330			*7560	*7560	(28.4)
4.5 m (15 ft)	kg					*4810	*4810	*4190	*4190	*3860	3140	*3460	*3460	9.24
	lb					*10600	*10600	*9240	*9240	*8510	6920	*7630	*7630	(30.3)
3.0 m (10 ft)	kg			*9730	*9730	*6240	*6240	*4860	4410	*4150	3000	*3520	*3520	9.52
	lb			*21450	*21450	*13760	*13760	*10710	9720	*9150	6610	*7760	*7760	(31.2)
1.5 m (5 ft)	kg			*9500	*9500	*7650	6410	*5560	4110	*4490	2850	3520	3520	18.90
	lb			*20940	*20940	*16870	14130	*12260	9060	*9900	6280	7760	7760	(31.2)
Ground Line	kg			*9890	*9890	*8460	6010	*6050	3880	*4720	2730	*3650	*3650	9.24
	lb			*21800	*21800	*18650	13250	*13340	8550	*10410	6020	*8050	*8050	(30.3)
-1.5 m (-5 ft)	kg	*8800	*8800	*12860	11680	*8530	5850	*6160	3760	*4690	2660	*3670	*3670	8.66
	lb	*19400	*19400	*28350	25750	*18810	12900	*13580	8290	*10340	5860	*8090	*8090	(28.4)
-3.0 m (-10 ft)	kg	*12230	*12230	*11440	*11440	*7900	5870	*5740	3750			*3560	*3560	7.69
	lb	*26960	*26960	*25220	*25220	*17420	12940	*12650	8270			*7850	*7850	(25.2)
-4.5 m (-15 ft)	kg			*8990	*8990	*6360	6050					*2980	*2980	6.11
	lb			*19820	*19820	*14020	13340					*6570	*6570	(20.0)

- 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.