

We build a better future

Robex

290LC-9

Equipped with Tier 3 Engine



*Photo may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES EUROPE

Robex 290LC-9



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!



A large yellow Hyundai 290LC-9 excavator is shown working in a quarry. The machine has a green and yellow cab with '290LC-9' printed on the side. It is positioned on a dirt surface, with a forested hillside and a body of water in the background.



The image shows a laptop screen displaying a satellite map with various locations marked. A hand is visible on the keyboard and mouse. To the right, there is a logo for 'Hi-mate' with the text 'Remote Management System'. Below the logo, a paragraph describes the Hi-mate system.

Hi-mate, Hyundai's 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.

*Photo may include optional equipment.

Cabin Design

A complete re-designed cabin offers low noise operation and increased visibility, providing a pleasant working environment for the operator.

Ergonomic Joysticks

New joystick grips, equipped with 4 switches, are offering precise control.

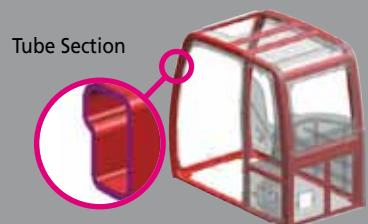


Spacious Cabin with Excellent Visibility

The spacious cabin is ergonomically designed with low noise levels and high visibility. A full-view front window, combined with large rear and side windows provide excellent visibility in all directions.

Enhanced Structure

For optimum safety, the cabin tube-structure has been reinforced.



- 1 Handsfree mobile phone with USB charging device
- 2 Cup holders and ashtray
- 3 Radio / MP3 Player with remote control and USB-input
- 4 Heated seat (Optional)
- 5 Storage compartment
- 6 Additional storage space



Centralized Control Panel



Sunroof with Sliding Cover



Adjustable Operator's Seat



Rear Window Emergency Exit



*Photo may include optional equipment.



Window Locking Device

Performance & Safety Features

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.



Rearview Camera
(Optional)



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.



Cummins QSB6.7 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.

The Definition of Progress

The Quantum System B-series 6.7-liter engine combines full-authority electronic controls with reliable performance.

To control these high-horsepower products, electronics are developed for the most demanding environment, including dusty and other heavy applications, to meet worldwide emissions regulations.

Increased power, improved transient response and reduced fuel consumption are the results of a QSB6.7 engine, equipped with 24 valves, centered injectors, a symmetrical piston bowl and an improved airflow.



1 Reinforced Bucket and Bucket Linkage
Sealed bucket linkage produces less wear of pins and bushes

2 Auto Boom vs. Swing Priority

3 Power Boost Function

Strong and Stable Lower Frame

The reinforced box-section frame is welded using low-stress, high-strength steel. The X-leg type center frame is integrally welded for maximum strength and durability.



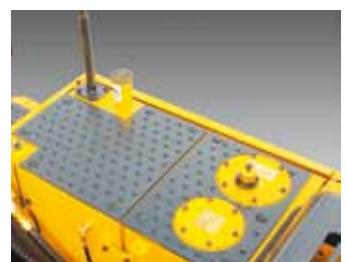
Safety Lever



Master Switch



Anti-Restart System



Anti-Slip Plates on Upper Structure

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.

Stressless

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

Large Display with Toggle Switch (7inch Wide LCD)

The LCD-display can be adjusted to your personal preferences, making it easy to check all critical systems via easy-to-read indicators.



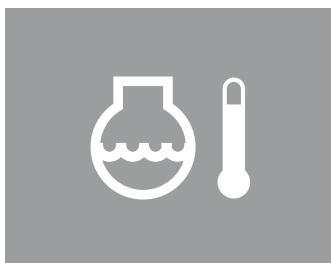
Multi Function Color LCD-Display



- Warning Lights
- 1 Engine Coolant Temperature Gauge
- 2 Fuel Level Gauge
- 3 Hyd. Oil Temperature Gauge
- 4 RPM/Tripmeter Display
- 5 Accel Dial Gauge
- Power mode (P/S/E)
- Work mode (Digging/Breaker/Crusher)
- Attachment mode
- Additional information
- Travel mode
- Auto deceleration mode



- 1 Back-up switches for Cluster Operation
- 2 Adjust Flow Settings Attachment Modes: Breaker/Crusher
- 3 User Mode: Saving Operator Preferences
- 4 Self-Diagnostics System
- 5 Maintenance List & Security Password
- 6 Rearview Camera (Optional)



Engine Overheat
Prevention



Automatic Warm-Up
System

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.

Profitable & Maintenance

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.



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.

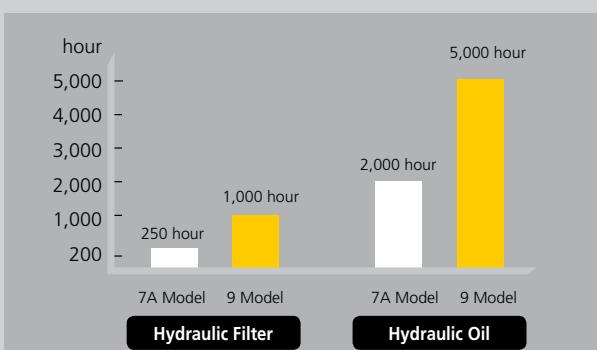


Easy maintenance Components

Cooling and pre-heating systems are designed for a quick start-up and an optimal operation, guaranteeing longer life of engine and hydraulic components. Servicing engine and hydraulics has been considerably simplified due to improved accessibility.

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 QSB6.7
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission
Rated flywheel horse power	SAE	J1995 (gross) 227 HP (169 kW) / 1,900 rpm
		J1349 (net) 197 HP (147 kW) / 1,900 rpm
DIN		6271/1 (gross) 230 PS (169 kW) / 1,900 rpm
		6271/1 (net) 200 PS (147 kW) / 1,900 rpm
Max. torque		96.8 kgf.m (700 lbf.ft) / 1,500 rpm
Bore x stroke		107 x 124 mm (4.2" x 4.9")
Piston displacement		6,700 cc (409 in³)
Batteries		2 X 12 V X 160AH
Starting motor		24 V; 4.5 kW
Alternator		24 V; 70 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement axial piston pumps
Max. flow	2 X 252 l/min (66.6 US gpm / 55.4 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/cm² (4,978 psi)
Travel	350 kgf/cm² (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,404 psi)
Swing circuit	300 kgf/cm² (4,267 psi)
Pilot circuit	40 kgf/cm² (568 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder-bore x stroke	Boom: 2 - 140 x 1,465 mm (5.5" x 57.7") Arm: 1 - 150 x 1,765 mm (5.9" x 69.5") Bucket: 1 - 135 x 1,185 mm (5.3" x 46.7")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	27,300 kgf (60,200 lbf)
Max. travel speed (high) / (low)	5 km/hr (3.1 mph) / 3.5 km/hr (2.2 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
Lights	Two lights mounted on the boom, one light mounted in the battery box

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.2 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	UK gal
Fuel tank	500	110.0
Engine coolant	50.0	11.0
Engine oil	24	5.3
Swing device - gear oil	11.0	1.5
Final drive (each) - gear oil	5.5	2.4
Hydraulic system (including tank)	330	72.6
Hydraulic tank	190	41.8

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	48
No. of carrier rollers on each side	2
No. of track rollers on each side	9
No. of rail guards on each side	2

OPERATING WEIGHT

Operating weight, including 6.25 m (20' 6") boom, 3.05 m (10' 0") arm, SAE heaped 1.27 m³ (1.66 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT

Upperstructure	7,040 kg (15,520 lb)
Counterweight	5,200 kg (11,460 lb)
Boom (with arm cylinder)	2,670 kg (5,900 lb)
Arm (with bucket cylinder)	1,570 kg (3,460 lb)

OPERATING WEIGHT

Shoes	Operating weight	Ground pressure
Type	600 (24")	R290LC-9 29,700 (65,480) 0.57 (8.11)
		R290NLC-9 29,500 (65,040) 0.57 (8.11)
		R290LC-9 H/W 32,540 (71,740) 0.62 (8.82)
		R290LC-9 L/R 32,090 (70,746) 0.60 (8.54)
	700 (28")	R290LC-9 30,280 (66,760) 0.50 (7.11)
		R290LC-9 H/W 33,120 (73,020) 0.54 (7.68)
		R290LC-9 L/R 32,670 (72,025) 0.52 (7.40)
	800 (32")	R290LC-9 30,860 (68,030) 0.44 (6.26)
		R290LC-9 H/W 33,700 (74,300) 0.48 (6.83)
	900 (36")	R290LC-9 L/R 33,250 (73,304) 0.47 (6.68)
		R290LC-9 31,440 (69,310) 0.40 (5.69)
Double grouser	700 (28")	R290LC-9 L/R 33,830 (74,582) 0.43 (6.12)
Double grouser	700 (28")	R290LC-9 H/W 33,710 (74,320) 0.55 (7.82)

BUCKETS

All buckets are welded with high-strength steel.

							
0.79 (1.03)	1.03 (1.35)	1.27 (1.66) 1.50 (1.96)	1.73 (2.26) 1.85 (2.42)	● 1.27 (1.66)	◆ 1.07 (1.40) ◆ 1.27 (1.66) ◆ 1.15 (1.50) ◆ 1.46 (1.91)	● 1.16 (1.52) ● 1.49 (1.95)	★ 0.52 (0.68)
SAE heaped m ³ (yd ³)							

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		6.25 (20' 6") Boom			10.20 (33' 6") Boom
		2.1 (6' 11") Arm	2.5 (8' 2") Arm		3.05 (10' 0") Arm	3.75 (12' 4") Arm	7.85 (25' 9") Arm	
0.79 (1.03)	0.70 (0.92)	890 (35.0)	1,010 (39.8)	790 (1,740)	●	●	●	-
1.03 (1.35)	0.90 (1.18)	1,090 (42.9)	1,210 (47.6)	890 (1,960)	●	●	●	-
1.27 (1.66)	1.10 (1.44)	1,290 (50.8)	1,410 (55.5)	1,010 (2,230)	●	●	●	-
1.50 (1.96)	1.30 (1.70)	1,490 (58.7)	1,610 (63.4)	1,080 (2,380)	●	●	■	-
1.73 (2.26)	1.50 (1.96)	1,700 (66.9)	1,820 (71.7)	1,170 (2,580)	■	■	▲	-
1.85 (2.42)	1.60 (2.09)	1,800 (70.9)	1,920 (75.6)	1,230 (2,710)	■	▲	▲	-
● 1.27 (1.66)	1.10 (1.44)	1,310 (51.6)	1,340 (52.8)	1,300 (2,870)	●	●	■	-
◆ 1.07 (1.40)	0.95 (1.24)	1,150 (45.3)	-	1,120 (2,470)	●	●	●	-
◆ 1.15 (1.50)	1.00 (1.31)	1,210 (47.6)	-	1,160 (2,560)	●	●	■	-
◆ 1.27 (1.66)	1.10 (1.44)	1,310 (51.6)	-	1,240 (2,730)	●	●	■	-
◆ 1.46 (1.91)	1.28 (1.67)	1,460 (57.5)	-	1,320 (2,910)	■	■	▲	-
● 1.16 (1.52)	1.00 (1.31)	1,340 (52.8)	-	1,280 (2,820)	●	●	■	-
● 1.49 (1.95)	1.28 (1.67)	1,620 (63.8)	-	1,440 (3,170)	■	■	▲	-
★ 0.52 (0.68)	0.45 (0.59)	935 (36.8)	1,035 (40.8)	460 (1,010)	-	-	-	▲

● Casting bucket

● Heavy duty rock-bucket

◆ Heavy duty bucket

★ Long reach 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.

6.25 m & 10.2 m booms and 2.1 m; 2.5 m; 3.05 m & 7.85 m arms are available.

DIGGING FORCE

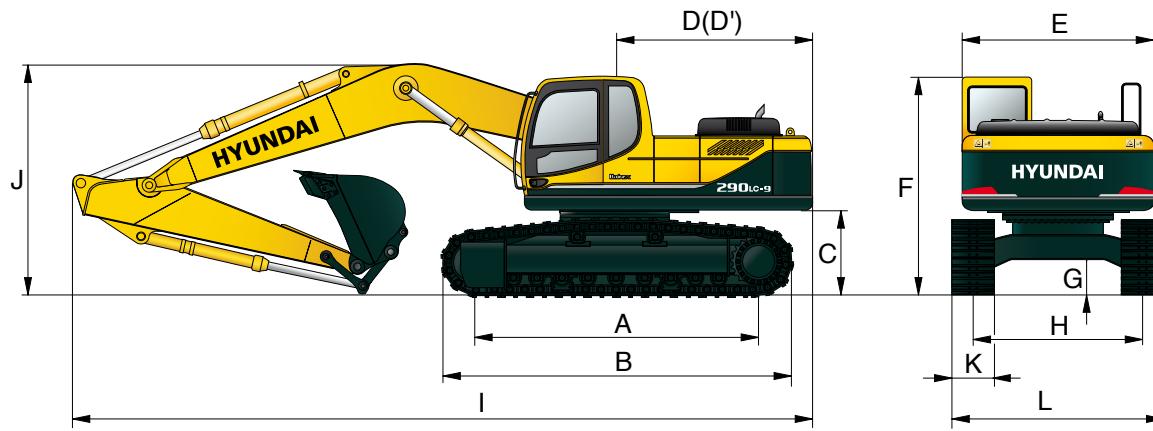
Boom	Length	mm (ft.in)	6,250 (20' 6")				10,200 (33' 6")	Remarks
	Weight	kg (lb)	2,670 (5,900)					
Arm	Length	mm (ft.in)	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	[]: Power Boost
	Weight	kg (lb)	1,480 (3,260)	1,460 (3,220)	1,570 (3,460)	1,710 (3,770)	1,690 (3,730)	
Bucket digging force	SAE	kN	168.7 [184]	168.7 [184]	168.7 [184]	168.7 [184.0]	70 [76.4]	[]: Power Boost
		kgf	17200 [18760]	17200 [18760]	17200 [18760]	17200 [18760]	7100 [7750]	
		lbf	37920 [41370]	37920 [41370]	37920 [41370]	37920 [41370]	15650 [17070]	
	ISO	kN	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	80 [87.3]	
		kgf	19600 [21380]	19600 [21380]	19600 [21380]	19600 [21380]	8200 [8950]	
		lbf	43210 [47140]	43210 [47140]	43210 [47140]	43210 [47140]	18080 [19720]	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1 [51.4]	[]: Power Boost
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800 [5240]	
		lbf	40570 [44050]	35270 [38290]	29540 [32070]	25790 [28000]	10580 [11540]	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1 [52.5]	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900 [5350]	
		lbf	42770 [46440]	36820 [39980]	30640 [33270]	26900 [29210]	10800 [11780]	

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

Arm weight includes bucket cylinder, linkage, and pin

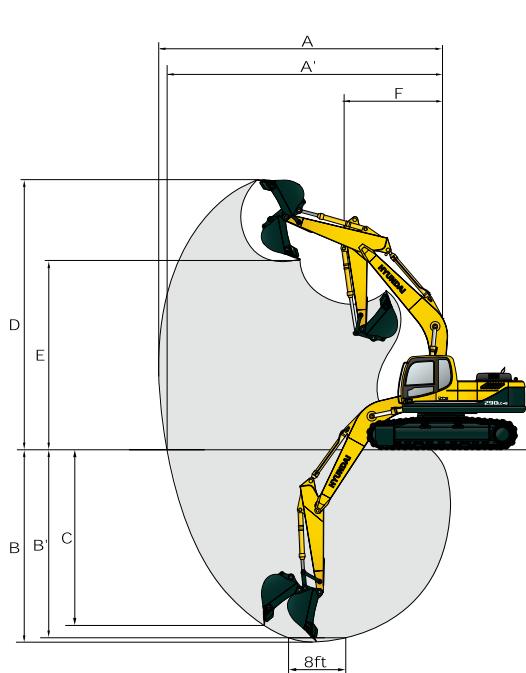
Dimensions & Working Ranges

DIMENSIONS R290LC-9 / R290NLC-9



		mm (ft · in)		mm (ft · in)
A Tumbler distance	R290LC-9	4,030 (13' 3")	Boom length	6,250 (20' 6")
	R290NLC-9	4,030 (13' 3")	Arm length	2,100 (6' 11") 2,500 (8' 2") 3,050 (10' 0") 3,750 (12' 4")
B Overall length of crawler		4,940 (16' 2")	I Overall length	10,700 (35' 1") 10,650 (34' 11") 10,560 (34' 8") 10,630 (34' 11")
C Ground clearance of counterweight		1,190 (3' 11")	J Overall height of boom	3,590 (11' 9") 3,470 (11' 5") 3,290 (10' 10") 3,500 (11' 6")
D Tail swing radius		3,200 (10' 6")	K Track shoe width	600 (24") 700 (28") 800 (32") 900 (36")
D' Rear-end length		3,120 (10' 3")	L Overall width	R290LC-9 3,200 (10' 6") 3,300 (10' 10") 3,400 (11' 2") 3,500 (11' 16") R290NLC-9 2,990 (9' 10") - - -
E Overall width of upperstructure		2,980 (9' 9")		
F Overall height of cab		3,010 (9' 11")		
G Min. ground clearance		500 (1' 8")		
H Track gauge	R290LC-9	2,600 (8' 6")		
	R290NLC-9	2,390 (7' 10")		

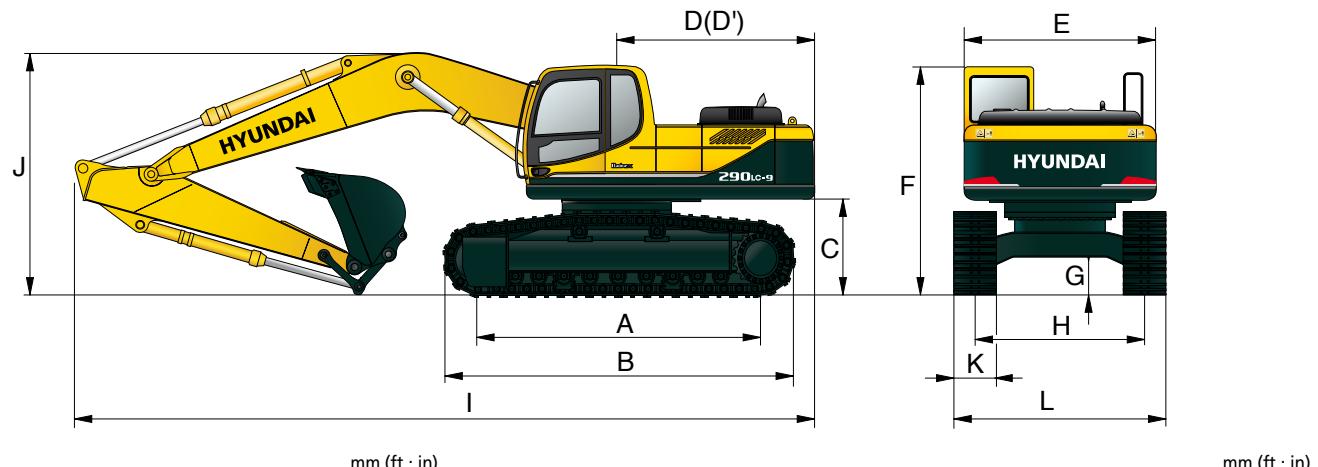
WORKING RANGES R290LC-9 / R290NLC-9



	Boom length	6,250 (20' 6")		mm (ft · in)
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 7")	10,820 (35' 6")	11,400 (37' 5")
A' Max. digging reach on ground	9,820 (32' 3")	10,080 (33' 1")	10,620 (34' 10")	11,220 (36' 10")
B Max. digging depth	6,440 (21' 1")	6,840 (22' 5")	7,390 (24' 3")	8,090 (26' 7")
B' Max. digging depth (8' level)	6,240 (20' 6")	6,630 (21' 9")	7,200 (23' 7")	7,920 (25' 12")
C Max. vertical wall digging depth	6,000 (19' 8")	5,850 (19' 2")	6,380 (20' 11")	7,080 (23' 3")
D Max. digging height	10,070 (33' 0")	10,110 (33' 2")	10,160 (33' 4")	10,360 (33' 12")
E Max. dumping height	6,940 (22' 9")	7,030 (23' 1")	7,110 (23' 4")	7,310 (23' 12")
F Min. front swing radius	4,380 (14' 4")	4,260 (13' 12")	4,230 (13' 11")	4,140 (13' 7")

Dimensions & Working Ranges

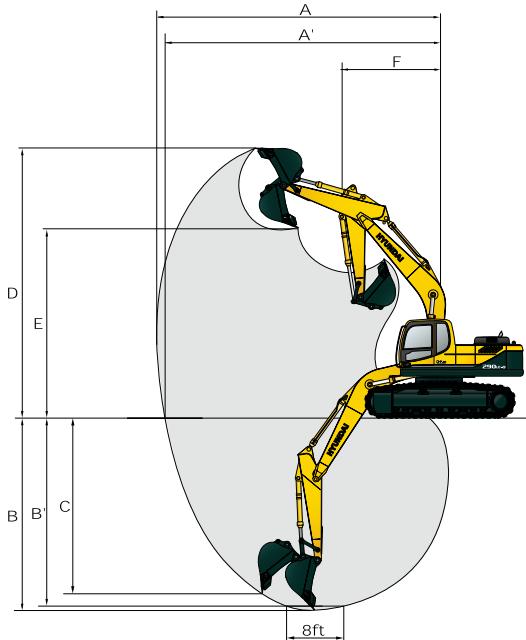
DIMENSIONS R290LC-9 HIGH WALKER



	mm (ft · in)
A Tumbler distance	4,030 (13' 3")
B Overall length of crawler	4,950 (16' 3")
C Ground clearance of counterweight	1,500 (4' 11")
D Tail swing radius	3,200 (10' 6")
D' Rear-end length	3,120 (10' 3")
E Overall width of upperstructure	2,980 (9' 9")
F Overall height of cab	3,380 (11' 1")
G Min. ground clearance	765 (2' 6")
H Track gauge	2,870 (9' 5")

Boom length	6,250 (20' 6")				
	Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
I Overall length	10,690 (35' 1")	10,610 (34' 10")	10,430 (34' 3")	10,530 (34' 7")	
J Overall height of boom	3,740 (12' 3")	3,590 (11' 9")	3,350 (11' 0")	3,510 (11' 6")	
K Track shoe width	Type	Triple grouser		Double grouser	
	Width	600 (24")	700 (28")	800 (32")	700 (28")
L Overall width		3,470 (11' 5")	3,570 (11' 9")	3,670 (12' 0")	3,570 (11' 9")

WORKING RANGES R290LC-9 HIGH WALKER



Boom length	6,250 (20' 6")			
	Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 7")	10,790 (35' 5")	11,400 (37' 5")
A' Max. digging reach on ground	9,750 (32' 0")	10,020 (32' 10")	10,530 (34' 7")	11,160 (36' 7")
B Max. digging depth	6,140 (20' 2")	6,540 (21' 5")	7,090 (23' 3")	7,790 (25' 7")
B' Max. digging depth (8' level)	5,930 (19' 5")	6,330 (20' 9")	6,910 (22' 8")	7,630 (25' 0")
C Max. vertical wall digging depth	5,700 (18' 8")	5,560 (18' 3")	6,090 (20' 0")	6,790 (22' 3")
D Max. digging height	10,370 (34' 0")	10,220 (33' 6")	10,440 (34' 3")	10,660 (35' 0")
E Max. dumping height	7,240 (23' 9")	7,170 (23' 6")	7,400 (24' 3")	7,610 (25' 0")
F Min. front swing radius	4,380 (14' 4")	4,260 (14' 0")	4,230 (13' 11")	4,140 (13' 7")

Lifting Capacities

R290LC-9

 Rating over-front  Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity
7.5 m (25.0 ft)	kg lb									Reach
7.5 m (25.0 ft)	kg lb					*6200 *13670	*6200 *13670			*5710 *12590
6.0 m (20.0 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4920 10850	*5810 *12810
4.5 m (15.0 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	7040 15520	*6700 *14770	4800 10580	5250 11570
3.0 m (10.0 ft)	kg lb			*12550 *27670	10150 22380	*8910 *19640	6570 14480	*7330 *16160	4580 10100	5230 10930
1.5 m (5.0 ft)	kg lb			*14540 *32060	9450 20830	*10090 *22240	6170 13600	7300 16090	4370 9630	4950 10910
Ground Line	kg lb			*15120 *33330	9240 20370	10210 22510	5940 13100	7150 15760	4230 9330	5230 11530
-1.5 m (-5.0 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	9260 20410	10140 22350	5880 12960	7120 15700	4210 9280	5940 13100
-3.0 m (-10.0 ft)	kg lb	*18890 *41650	*18890 *41650	*13670 *30140	9440 20810	*10170 *22420	5980 13180			*6670 *14700
-4.5 m (-15.0 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	9840 21690					4570 10080

Boom : 6.25 m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)		Load radius						At max. reach						
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach	
7.5 m (25.0 ft)	kg lb											*5240	4280	8.34
6.0 m (20.0 ft)	kg lb											*11550	9440	(27.4)
4.5 m (15.0 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	*7090 *15630	*6310 *13910	4840 10670	5010 11050	3020 6660	9.69 (31.8)
3.0 m (10.0 ft)	kg lb					*11680 *25750	10360 22840	*8460 *18650	6630 14620	*7000 *15430	4600 10140	4730 10430	2810 6190	9.90 (32.5)
1.5 m (5.0 ft)	kg lb					*13960 *30780	9530 21010	*9730 *21450	6190 13650	7300 16090	4370 9630	4710 10380	2770 6110	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	9190 20260	10190 22470	5910 13030	7110 15670	4200 9260	4940 10890	2910 6420	9.51 (31.2)
-1.5 m (-5.0 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	9140 20150	10060 22180	5810 12810	7040 15520	4130 9110	5550 12240	3290 7250	8.87 (29.1)
-3.0 m (-10.0 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	19540 43080	*14040 *30950	9270 20440	10130 22330	5860 12920			*6780 *14950	4140 9130	7.82 (25.7)
-4.5 m (-15.0 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	9610 21190							

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)		Load radius						At max. reach									
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach				
7.5 m (25.0 ft)	kg lb											*4780	3780	8.94			
6.0 m (20.0 ft)	kg lb											*10540	8330	(29.3)			
4.5 m (15.0 ft)	kg lb											*4940	3100	9.74			
3.0 m (10.0 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	*10510 *23170	*7800 *17200	6710 14790	*6530 *14400	4620 10190	*4420 *9740	3310 7300	4330 9550	2540 5600	10.40 (34.1)	
1.5 m (5.0 ft)	kg lb					*13100 *28880	9660 21300	*9190 *20260	6220 13710	7300 16090	4350 9590	*5230 *11530	3170 6990	4300 9480	2490 5490	10.35 (34.0)	
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	9160 20190	10150 22380	5880 12960	7070 15590	4150 9150	*4600 *10140	3070 6770	4480 9880	2600 5730	10.04 (32.9)	
-1.5 m (-5.0 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	9010 19860	9970 21980	5710 12590	6950 15320	4040 8910				4950 10910	2900 6390	9.44 (31.0)
-3.0 m (-10.0 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	19100 42110	*14380 *31700	9070 20000	9960 21960	5710 12590	6970 15370	4060 8950				5960 13140	3540 7800	8.48 (27.8)
-4.5 m (-15.0 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	*18400 *40570	*12820 *28260	9320 20550	*9370 *20660	5890 12990						*6400 *14110	5050 11130	6.97 (22.9)

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

R290LC-9

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius								At max. reach		
		1.5 m (5.0 ft)	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	m (ft)		
7.5 m (25.0 ft)	kg lb									*4230	3250	
6.0 m (20.0 ft)	kg lb									*9330	7170	
4.5 m (15.0 ft)	kg lb										9.67 (31.7)	
3.0 m (10.0 ft)	kg lb			*14430	*14430	*8910	*8910	*6870	*5870	4690	*5060	
				*31810	*31810	*19640	*19640	*15150	*15150	10340	*11160	
1.5 m (5.0 ft)	kg lb			*10550	*10550	*11820	9980	*8410	6340	*6760	4390	
				*23260	*23260	*26060	22000	*18540	13980	*14900	9680	
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	9270 20440	*9670 *21320	5910 13030	7060 15560	4140 9130	5220 11510
-1.5 m (-5.0 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	8950 19730	9930 21890	5670 12500	6880 15170	3970 8750	5130 11310
-3.0 m (-10.0 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	*17210 *37940	*14640 *32280	8900 19620	9830 21670	5590 12320	6830 15060	3920 8640	
-4.5 m (-15.0 ft)	kg lb	*16680 *36770	*16680 *36770	*20250	19120	*13660 *30120	9050 19950	9930 21890	5670 12500			*6200 *13670
											3950 8710	
											(26.0)	

R290NLC-9

Boom : 6.25 m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius								At max. reach	
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity	Reach
7.5 m (25.0 ft)	kg lb					*6200	*6200			*5710	4110
6.0 m (20.0 ft)	kg lb					*13670	*13670			*12590	9060
4.5 m (15.0 ft)	kg lb			*9620	*9620	*7590	6360	*6700	4320	5220	2830
				*21210	*21210	*16730	14020	*14770	9520	11510	9.42 (30.9)
3.0 m (10.0 ft)	kg lb			*12550	9050	*8910	5900	*7330	4110	4930	2630
				*27670	19950	*19640	13010	*16160	9060	10870	9.64 (31.6)
1.5 m (5.0 ft)	kg lb			*14540	8370	*10090	5510	7260	3900	4920	2600
				*32060	18450	*22240	12150	16010	8600	10850	5730
Ground Line	kg lb			*15120	8170	10150	5290	7110	3770	5200	2760
				*33330	18010	22380	11660	15670	8310	11460	6080
-1.5 m (-5.0 ft)	kg lb	*14250 *31420	*14250 *31420	*14810	8190	10080	5230	7080	3740	5900	3170
-3.0 m (-10.0 ft)	kg lb	*18890 *41650	17220 37960	*13670 *30140	8360 18430	*10170 *22420	5330 11750			*6670	4100
-4.5 m (-15.0 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	8750 19290					*14700	9040
											(24.5)

Boom : 6.25 m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius								At max. reach	
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity	Reach
7.5 m (25.0 ft)	kg lb									*5240	3870
6.0 m (20.0 ft)	kg lb									*11550	8530
4.5 m (15.0 ft)	kg lb					*8760	*8760	*7090	6450	*5400	3100
						*19310	*19310	*15630	14220	*11900	6830
3.0 m (10.0 ft)	kg lb					*11680	9250	*8460	5960	*7000	4990
						*25750	20390	*18650	13140	*15430	2690
1.5 m (5.0 ft)	kg lb					*13960	8440	*9730	5530	9110	5490
						*30780	18610	*21450	12190	16010	32.5 (32.3)
Ground Line	kg lb					*14930	8120	10130	5260	7260	4680
						*32910	17900	22330	11600	15610	2450 (31.2)
-1.5 m (-5.0 ft)	kg lb					*15220	*15220	*14910	8070	10010	2450 (31.8)
-3.0 m (-10.0 ft)	kg lb	*17240 *38010	*17240 *38010	*20000	16870	*14040	8200	10070	5210		9.84 (29.1)
-4.5 m (-15.0 ft)	kg lb					*16720	*16720	*11970	8530		2930 (25.7)
						*36860	*36860	*26390	18810		7.82 (25.7)

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

R290NLC-9

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius						At max. reach			
		1.5 m (5.0 ft)	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	m (ft)	
7.5 m (25.0 ft)	kg								*4780	3400	8.94
6.0 m (20.0 ft)	kg								*10540	7500	(29.3)
4.5 m (15.0 ft)	kg					*6380	*6380	*5780	4410		
(-15.0 ft)	lb					*14070	*14070	*12740	9720		
3.0 m (10.0 ft)	kg			*10490	*10490	*10510	9510	*7800	6040	*6530	4150
lb				*23130	*23130	*23170	20970	*17200	13320	*14400	9150
1.5 m (5.0 ft)	kg					*13100	8570	*9190	5560	7260	3880
lb						*28880	18890	*20260	12260	16010	8550
Ground Line	kg			*10140	*10140	*14530	8090	10100	5220	7030	3680
lb				*22350	*22350	*32030	17840	22270	11510	15500	8110
-1.5 m (-5.0 ft)	kg	*10990	*10990	*14250	*14250	*14890	7940	9910	5060	6910	3580
lb	*24230	*24230	*31420	*31420	*32830	17500	21850	11160	15230	7890	
-3.0 m (-10.0 ft)	kg	*14880	*14880	*19250	16450	*14380	8000	9910	5060	6930	3590
lb	*32800	*32800	*42440	36270	*31700	17640	21850	11160	15280	7910	
-4.5 m (-15.0 ft)	kg	*19470	*19470	*18400	16950	*12820	8240	*9370	5240		
lb	*42920	*42920	*40570	37370	*28260	18170	*20660	11550			
											*14110
											9960
											(22.9)

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius						At max. reach			
		1.5 m (5.0 ft)	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	m (ft)	
7.5 m (25.0 ft)	kg								*4230	2920	9.67
6.0 m (20.0 ft)	kg								*9330	6440	(31.7)
4.5 m (15.0 ft)	kg										
(-15.0 ft)	lb										
3.0 m (10.0 ft)	kg			*14430	*14430	*8910	*8910	*6870	6210	*5870	4210
lb				*31810	*31810	*19640	*19640	*15150	13690	*12940	9280
1.5 m (5.0 ft)	kg			*10550	*10550	*11820	8870	*8410	5670	*6760	3910
lb				*23260	*23260	*26060	19550	*18540	12500	*14900	8620
Ground Line	kg	*6830	*6830	*10900	*10900	*13790	8190	*9670	5260	7020	3670
lb	*15060	*15060	*24030	*24030	*30400	18060	*21320	11600	15480	8090	11440
-1.5 m (-5.0 ft)	kg	*9850	*9850	*13520	*13520	*14680	7880	9870	5010	6850	3510
lb	*21720	*21720	*29810	*29810	*32360	17370	21760	11050	15100	7740	11240
-3.0 m (-10.0 ft)	kg	*13010	*13010	*17210	16070	*14640	7830	9780	4940	6790	3460
lb	*28680	*28680	*37940	35430	*32280	17260	21560	10890	14970	7630	
-4.5 m (-15.0 ft)	kg	*16680	*16680	*20250	16460	*13660	7980	9880	5020		
lb	*36770	*36770	*44640	36290	*30120	17590	21780	11070			
											*13670
											7760
											(26.0)

R290LC-9 HIGH WALKER

Rating over-front Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

Load point height m (ft)	kg	Load radius						At max. reach			
		1.5 m (5.0 ft)	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	m (ft)	
7.5 m (25.0 ft)	kg								*4810	4650	9.12
6.0 m (20.0 ft)	kg								*10600	10250	(29.9)
4.5 m (15.0 ft)	kg										
(-15.0 ft)	lb										
3.0 m (10.0 ft)	kg			*11060	*11060	*8070	*8070	*6680	5910	*4640	4330
lb				*24380	*24380	*17790	*17790	*14730	13030	*10230	9550
1.5 m (5.0 ft)	kg			*7260	*7260	*13460	12470	*9420	7980	*7460	5640
lb				*16010	*16010	*29670	27490	*20770	17590	*16450	12430
Ground Line	kg			*10880	*10880	*14670	12030	*10360	7670	*8040	5450
lb				*23990	*23990	*32340	26520	*22840	16910	*17730	12020
-1.5 m (-5.0 ft)	kg	*11690	*11690	*15110	*15110	*14860	11910	*10720	7530	8080	5360
lb	*25770	*25770	*33310	*33310	*32760	26260	*23630	16600	17810	11820	
-3.0 m (-10.0 ft)	kg	*15680	*15680	*20360	*20360	*14180	12010	*10400	7560	*7880	5410
lb	*34570	*34570	*44890	*44890	*31260	26480	*22930	16670	*17370	11930	
-4.5 m (-15.0 ft)	kg	*20460	*20460	*17650	*17650	*12350	12330	*8950	7790		
lb	*45110	*45110	*38910	*38910	*27230	27180	*19730	17170			

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

R290LC-9 HIGH WALKER

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser with 5,200 kg (11,460 lb) Counterweight

 Rating over-front  Rating over-side or 360 degrees

Load point height m (ft)	kg lb	Load radius							At max. reach								
		1.5 m (5.0 ft) 	3.0 m (10.0 ft) 	4.5 m (15.0 ft) 	6.0 m (20.0 ft) 	7.5 m (25.0 ft) 	9.0 m (30.0 ft) 	Capacity 	Reach 	m (ft)							
7.5 m (25.0 ft)	kg lb								*4260 *9390	4070 8970	9.83 (32.3)						
6.0 m (20.0 ft)	kg lb							*4560 *10050	*4560 *10050	*2880 *6350	*2880 *6350	3500 7720	10.50 (34.4)				
4.5 m (15.0 ft)	kg lb							*5200 *11460	*5200 *11460	*4190 *9240	*4190 *9240	3180 7010	10.89 (35.7)				
3.0 m (10.0 ft)	kg lb		*15960 *35190	*15960 *35190	*9500 *20940	*9500 *20940	*7170 *15810	*7170 *15810	*6040 *13320	5980 13180	*5270 *11620	4350 9590	3020 10050	11.03 (36.2)			
1.5 m (5.0 ft)	kg lb		*10240 *22580	*10240 *22580	*12280 *27070	*12280 *27070	*8680 *19140	8090 17840	*6920 *15260	5670 12500	*5940 *13100	4180 9220	3010 10050	10.93 (35.9)			
Ground Line	kg lb	*7420 *16360	*7420 *16360	*11300 *24910	*11300 *24910	*14040 *30950	12100 26680	*9850 *21720	7690 16950	*7660 *16890	5430 11970	6100 13450	4040 8910	4760 10490	3140 6920	10.59 (34.7)	
-1.5 m (-5.0 ft)	kg lb	*10420 *22970	*10420 *22970	*14140 *31170	*14140 *31170	*14740 *32500	11840 26100	*10500 *23150	7470 16740	8000 17640	5290 11660	*5080 *11200	3970 8750	5230 11530	3460 7630	9.98 (32.7)	
-3.0 m (-10.0 ft)	kg lb	*13660 *30120	*13660 *30120	*18040 *39770	*18040 *39770	*14540 *32060	11830 26080	*10540 *23240	7420 16360	7970 17570	5260 11600			*6020 *13270	4120 9080		9.03 (29.6)
-4.5 m (-15.0 ft)	kg lb	*17460 *38490	*17460 *38490	*19680 *43390	*19680 *43390	*13340 *29410	12030 26520	*9740 *21470	7540 16620					*6220 *13710	5580 12300		7.60 (24.9)

R290LC-9 LONG REACH

Boom : 10.2 m (33' 6") / Arm : 7.85 m (25' 9") / Bucket : 0.52 m³ (0.68 yd³) SAE heaped / Shoe : 800 mm (32") triple grouser with 7,000 kg (15,430 lb) Counterweight

 Rating over-front  Rating over-side or 360 degrees

Load point height m (ft)	kg lb	Load radius							At max. reach											
		6.0 m (20.0 ft) 	7.5 m (25.0 ft) 	9.0 m (30.0 ft) 	10.5 m (35.0 ft) 	12.0 m (40.0 ft) 	13.5 m (45.0 ft) 	15.0 m (50.0 ft) 	Capacity 	Reach 	m (ft)									
13.5 m (45.0 ft)	kg lb											*1820 *4010	*1820 *4010	14.13 (46.4)						
12.0 m (40.0 ft)	kg lb											*1840 *4060	*1840 *4060	15.27 (50.1)						
10.5 m (35.0 ft)	kg lb											*1100 *2430	*1100 *2430	*1870 *4120	1830 4030	16.18 (53.1)				
9.0 m (30.0 ft)	kg lb											*1560 *3440	*1560 *3440	*1920 *4230	1600 3530	16.89 (55.4)				
7.5 m (25.0 ft)	kg lb								*1940 *4280	*1940 *4280	*1870 *4120	*1970 *4120	*1870 *4340	1440 3170	17.44 (57.2)					
6.0 m (20.0 ft)	kg lb								*2090 *4610	*2090 *4610	*2060 *4540	2020 4450	*2030 *4480	1310 2890	17.83 (58.5)					
4.5 m (-15.0 ft)	kg lb							*2390 *5270	*2390 *5270	*2270 *5000	*2190 *4830	1930 4250	*2090 *4610	1220 2690	18.08 (59.3)					
3.0 m (10.0 ft)	kg lb							*3320 *7320	*3320 *7320	*2940 *6480	*2940 *6480	*2670 *5890	*2480 *5890	2290 5050	*2340 *5160	1830 4030	2120 4670	18.20 (59.7)		
1.5 m (5.0 ft)	kg lb	*6230 *13730	*6230 *13730	*4760 *10490	*4760 *10490	*3900 *8600	*3900 *8600	*3340 *7360	*3340 *7360	*2970 *6550	*2670 *5890	*2700 *5950	*2700 *4720	2140 3810	*2510 *5530	1730 3810	2080 4590	1110 2450	18.19 (59.7)	
Ground Line	kg lb	*7390 *16290	6790 14970	*5530 *12190	5040 11110	*4440 *9790	3900 8600	*3740 *7360	3090 7360	*3260 *6550	2480 5890	*2920 *5950	2010 4720	*2670 *5530	1630 3810	2070 4560	1100 2430	18.04 (59.2)		
-1.5 m (-5.0 ft)	kg lb	*8230 *18140	6220 13710	*6170 *13600	4620 10190	*4910 *10820	3590 7910	*4090 *9020	2870 6330	*3530 *7780	2320 5110	*3120 *6880	1890 4170	2770 6110	1540 3400	2100 4630	1110 2450	17.76 (58.3)		
-3.0 m (-10.0 ft)	kg lb	*8770 *19330	5900 13010	*6630 *14620	4340 9570	*5290 *11660	3370 7430	*4390 *9680	2690 5930	*3760 *8290	2190 4830	2190 7030	2190 3950	2700 5950	1730 3260	1480 4780	2170 5210	1140 (56.9)		
-4.5 m (-15.0 ft)	kg lb	*9070 *20000	5750 12680	*6930 *15280	4180 9220	*5550 *12240	3230 7120	*4530 *9990	2580 5690	*3730 *8220	2100 4630	3120 6880	1730 3810	2660 5860	1440 3170	2280 5030	1220 2690	16.75 (55.0)		
-6.0 m (-20.0 ft)	kg lb	*9150 *20170	5710 12590	*7080 *15610	4120 9080	*5580 *12300	3160 6970	*4460 *9830	2510 5530	*3670 *8090	2050 4520	3670 6810	2050 3750	2050 5840	1710 3150	1430 3150	2470 5450	1330 2930	15.99 (52.5)	
-7.5 m (-25.0 ft)	kg lb	*9030 *19910	5770 12720	*7060 *15560	4130 9110	*5590 *12280	3150 6940	*4450 *9810	2510 5530	*3670 *8090	2050 4520	3670 6860	2050 3770	2050 3770	1710 3770			2740 6040	1520 3350	15.04 (49.3)
-9.0 m (-30.0 ft)	kg lb	*8690 *19160	5920 13050	*6860 *15120	4220 9300	*5590 *12320	3210 7080	*4500 *9920	2550 5620	*3730 *8220	2100 4630	3730 6860	2100 3770	2100 3770				*3130 *6900	1800 3970	13.83 (45.4)
-10.5 m (-35.0 ft)	kg lb	*8080 *17810	6150 13560	*6430 *14180	4380 9660	*5250 *11570	3340 7360	*4340 *9570	2670 5890	*3570 *7870	2230 4920	3570 6860	2230 3770	2230 3770				*3290 *7250	2270 5000	12.31 (40.4)
-12.0 m (-40.0 ft)	kg lb	*7090 *15630	6490 14310	*5670 *12500	4630 10210	*4580 *10100	3560 7850													
-13.5 m (-45.0 ft)	kg lb	*5480 *12080	5480 *12080	*4290 *9460	*4290 *9460															

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.

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
 One key fits all lockable doors
 Hot & cool box
 Storage compartment & Ashtray
 Transparent cabin roof-cover
 Radio / MP3 Player with remote control and USB-input
 Handsfree mobile phone system with USB-charging device
 Sun visor

Computer aided power optimization (CAPO) system

3-power modes, 3-work modes, User mode
 Auto & one-touch deceleration system

Auto warm-up system
 Overheat prevention system

Self-diagnostics system

Automatic climate control

Air conditioner & heater
 Defroster

Starting Aid (air grid heater) for cold weather

Centralized monitoring

LCD display
 Engine speed or Trip meter
 Clock
 Gauges
 Fuel level gauge
 Engine coolant temperature gauge
 Hyd. oil temperature gauge

Warning lamps
 Engine warning
 Overload
 Communication error
 Low battery
 Air filter clogging
 Indicators
 Max power
 Low speed/High speed
 Fuel warmer
 Auto deceleration

Door and cab locks, one key

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Adjustable joysticks

Console box height adjust system

Four frontal working lights

Electric horn

Batteries (2 x 12V x 160 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

Counterweight (5,200 kg; 11,460 lb)

Track shoes (600 mm; 24")

Track rail guard

Viscous fan clutch

Accumulator for lowering work equipment

Lower frame under cover (normal)

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

Boom

6.25 m; 20' 6"

6.25 m; 20' 6" Heavy duty

10.2 m; 33' 6" Long reach

Arm

2.1 m; 6' 11"

2.5 m; 8' 2"

3.05 m; 10' 0"

3.75 m; 12' 4"

3.05 m; 10' 0" Heavy duty

7.85 m; 25' 9" Long reach

Automatic climate control

Air conditioner (only)

Heater (only)

Cabin FOPS/FOG (ISO/DIS 10262)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cover

Cabin lights

Rain guard - front window

Track shoes

Triple grousers shoe (700 mm; 28")

Triple grousers shoe (800 mm; 32")

Triple grousers shoe (900 mm; 36")

Double grousers shoe (700 mm; 28")

Full track rail guard

Additional cover under lower frame

Coolant pre-heating system

Tool kit

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.

* The photos may include attachments and optional equipment that are not available in your area.

* Materials and specifications are subject to change without advance notice.

* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

