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
  - 12 volt power outlet (24V DC to 12V DC converter)
  - Sun visor
- 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
  - Overload
  - Communication error
  - Low battery
  - Air cleaner clogging
  - Indicators
  - Max power
  - Low speed/High speed
  - Fuel warmer
  - Auto idle
- Door and cab locks, one key
- Three 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 160 AH)
- Battery master switch
- Removable clean-out dust net for 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
- Booms
  - 6.25 m, 20' 6"
  - 6.25 m, 20' 6" Heavy Duty
  - 10.2 m, 33' 6" Long reach
- Arms
  - 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
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS/FOG (ISO/DIS 10262 Level II)
  - FOPS (Falling Object Protective Structure)
  - FOG (Falling Object Guard)
- Cabin ROPS (ISO 12117-2)
  - ROPS (Roll Over Protective Structure)
- Cabin Guard front
  - Wire net
  - Fine net
- Cabin roof-steel cover
- Cabin lights
- Cabin front window rain guard
- 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
- Lower frame under cover (Additional)
- Pre-heating system, coolant
- Tool kit
- Operator suit
- Rearview camera
- Seat
  - Adjustable air suspension seat
  - Adjustable air suspension seat with heater
  - Mechanical suspension seat
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management System)
- Air compressor
- Precleaner

* 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

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We build a better future

Robex
290LC-9
With Tier 3 Engine installed

*Photo may include optional equipment.

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 a Hyundai!

*Photo may include optional equipment.

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient **HYUNDAI HE 6.7** engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine warm up 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 4 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, 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
Heated suspension seat(standard) or optional air ride suspension seat with heater
New joystick consoles - now adjustable in height by way of dial at bottom
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster
New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. 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 is 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.

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

Preference

Operating a 9 series 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 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full 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 MP3 capabilities, 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, flow for the job at hand. Operator 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 temperatures 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.

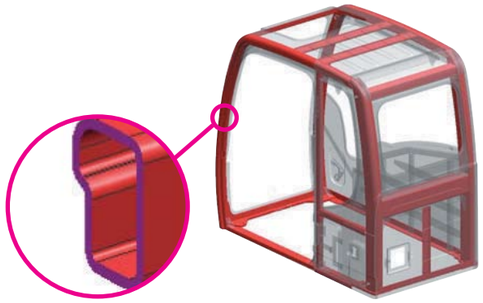
Performance

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

*Photo may include optional equipment.

Track Rail Guard & Adjusters

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



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.
The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

HYUNDAI HE 6.7 ENGINE

The Tier III compliant, six cylinder, turbo-charged, 4 cycle, water cooled, **HYUNDAI HE 6.7** diesel engine is built for power, reliability, efficiency and reduced emissions.

Heavy-duty strength

HYUNDAI HE 6.7 engine combines full-authority electronic controls with reliable performance.
HYUNDAI HE 6.7 engine electronics have been used in our high-horsepower products in the harshest, most demanding environments, including dusty, nonstop mining operations, and meet worldwide emissions regulations.
HYUNDAI HE 6.7 engine features 24 valves designed with centered injectors and a symmetrical piston bowl.
The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient response, and reduced fuel consumption.

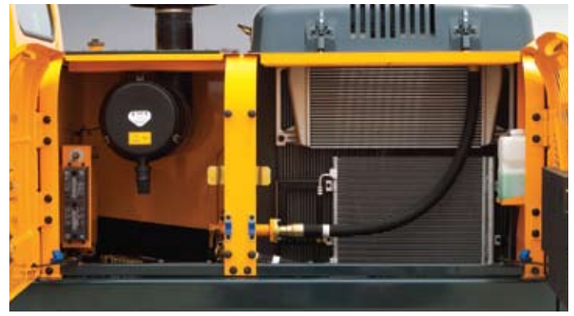
Profitability

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

*Photo may include optional equipment.

Fuel Efficiency

9 series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed fan clutch, 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.

Long-Life Components

9 series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-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			HYUNDAI HE 6.7
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, 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 in^3)
Batteries			2 x 12 V x 160 AH
Starting motor			24 V, 4.5kW
Alternator			24 V, 70 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis 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 pistons 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	300 kgf/cm^2 (4,267 psi)
Pilot circuit	40 kgf/cm^2 (568 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-140 X1,465 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 on the battery box

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.5 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Re-filling			
Fuel tank	500	132.1	110.0
Engine coolant	50.0	13.2	11.0
Engine oil	24	6.3	5.3
Swing device	6	1.6	1.3
Final drive (each)	8	2.1	1.8
Hydraulic system (including tank)	330	87.2	72.6
Hydraulic tank	190	50.2	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 (APPROXIMATE)

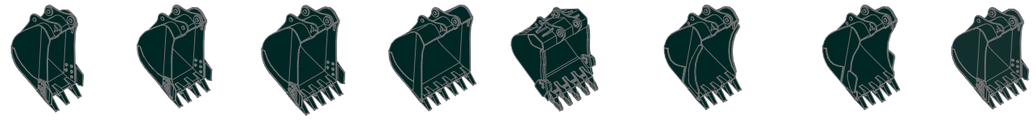
Operating weight, including 6,250mm (20' 6") boom, 3,050mm (10' 0") arm, SAE heaped 1.27m^3 (1.66 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	7,040 kg (15,520 lb)
Boom (with arm cylinder)	2,670 kg (5,890 lb)
Arm (with bucket cylinder)	1,570 kg (3,460 lb)

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm^2 (psi)
Triple grouser	600 mm (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)
	700 mm (28")	R290LC-9	30,280 (66,760)	0.50 (7.11)
		R290LC-9 H/W	33,120 (73,020)	0.54 (7.68)
	800 mm (32")	R290LC-9	30,860 (68,030)	0.44 (6.26)
		R290LC-9 H/W	33,700 (74,300)	0.48 (6.83)
	900 mm (36")	R290LC-9	31,440 (69,310)	0.40 (5.69)
Double grouser	700 mm (28")	R290LC-9 H/W	33,710 (74,320)	0.55 (7.82)

BUCKETS

All buckets are welded with high-strength steel.



SAE heaped m^3 (yd^3)	0.79 (1.03)	1.03 (1.35)	1.27(1.66) 1.38(1.80) 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)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)				
					6,250 (20' 6") Boom				10,200 (33' 6") Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		2,100 (6' 11") Arm	2,500 (8' 2") Arm	3,050 (10' 0") Arm	3,750 (12' 4") Arm	7,850 (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)	●	●	●	■	–
1.38(1.80)	1.20(1.57)	1,400(55.1)	1,520(59.8)	1,060(2,340)	●	●	■	▲	
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 (40.7)	460 (1,010)	–	–	–	–	■

◑ Casting bucket
◈ Heavy duty bucket
◉ Rock-Heavy duty bucket
★ Long reach bucket

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

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6.25m & 10.2m Booms and 2.1m, 2.5m, 3.05m, 3.75m & 7.85m Arms are available.

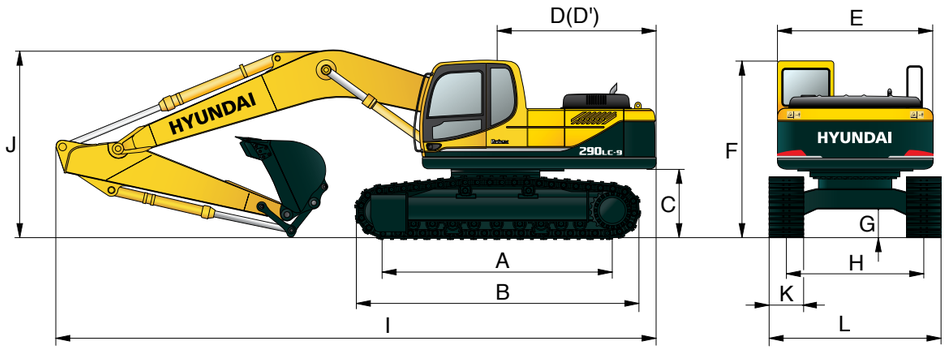
DIGGING FORCE

Boom	Length	mm (ft-in)	6,250 (20' 6")				10,200 (33' 6")	Remark
	Weight	kg (lb)	2,670 (5,900)				3,420 (7,540)	
Arm	Length	mm (ft-in)	2,100 (6' 11")	2500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
	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 [183.1]	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	70	[ ]: Power Boost
		kgf	17200 [18670]	17200 [18670]	17200 [18670]	17200 [18670]	7100	
		lbf	37920 [41170]	37920 [41170]	37920 [41170]	37920 [41170]	15650	
	ISO	kN	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	80	
		kgf	19600 [21280]	19600 [21280]	19600 [21280]	19600 [21280]	8200	
		lbf	43210 [46910]	43210 [46910]	43210 [46910]	43210 [46910]	18080	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1	
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800	
		lbf	40570 [44050]	35270 [38290]	29540 [32070]	25790 [28000]	10580	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900	
		lbf	42770 [46440]	36820 [39980]	30640 [33270]	26900 [29210]	10800	

Note: Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Range

R290LC-9 DIMENSIONS



Unit : mm (ft · in)

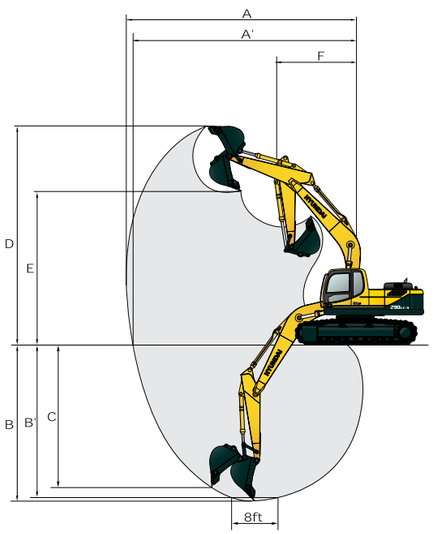
A	Tumbler distance	4,030 (13′ 3″)
B	Overall length of crawler	4,940 (16′ 2″)
C	Ground clearance of counterweight	1,190 (3′ 11″)
D	Tail swing radius	3,200 (10′ 6″)
D′	Rear-end length	3,120 (10′ 3″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,010 (9′ 11″)
G	Min. ground clearance	500 (1′ 8″)
H	Track gauge	2,600 (8′ 6″)

	Boom length	6,250 (20′ 6″)				10,200 (33′ 6″)
	Arm length	2,100 (6′ 11″)	2,500 (8′ 2″)	3,050 (10′ 0″)	3,750 (12′ 4″)	7,850 (25′ 9″)
I	Overall length	10,700 (35′ 1″)	10,650 (34′ 11″)	10,560 (34′ 8″)	10,630 (34′ 11″)	14,560 (47′ 9″)
J	Overall height of boom	3,590 (11′ 9″)	3,470 (11′ 5″)	3,290 (10′ 10″)	3,500 (11′ 6″)	3,560 (11′ 8″)

K	Track shoe width	600 (24″)	700 (28″)	800 (32″)	900 (36″)
L	Overall width	3,200 (10′ 6″)	3,300 (10′ 10″)	3,400 (11′ 2″)	3,500 (11′ 16″)

R290LC-9 WORKING RANGE

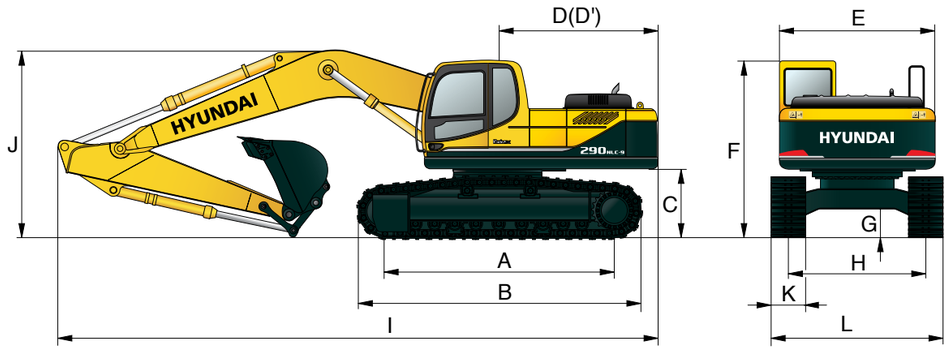
Unit : mm (ft · in)



	Boom length	6,250 (20′ 6″)				10,200 (33′ 6″)
	Arm length	2.100 (6′ 11″)	2,500 (8′ 2″)	3,050 (10′ 0″)	3,750 (12′ 4″)	7,850 (25′ 9″)
A	Max. digging reach	10,020 (32′ 10″)	10,280 (33′ 9″)	10,820 (35′ 6″)	11,400 (37′ 5″)	18,510 (60′ 9″)
A′	Max. digging reach on ground	9,820 (32′ 3″)	10,080 (33′ 1″)	10,620 (34′ 10″)	11,220 (36′ 10″)	18,400 (60′ 4″)
B	Max. digging depth	6,440 (21′ 2″)	6,840 (22′ 5″)	7,390 (24′ 3″)	8,090 (26′ 7″)	14,820 (48′ 7″)
B′	Max. digging depth (8′ level)	6,240 (20′ 6″)	6,630 (21′ 9″)	7,200 (23′ 7″)	7,920 (25′ 12″)	14,690 (48′ 2″)
C	Max. vertical wall digging depth	6,000 (19′ 8″)	5,850 (19′ 2″)	6,380 (20′ 11″)	7,080 (23′ 3″)	12,020 (39′ 5″)
D	Max. digging height	10,070 (33′ 0″)	10,110 (33′ 2″)	10,160 (33′ 4″)	10,360 (33′ 12″)	14,500 (47′ 7″)
E	Max. dumping height	6,940 (22′ 9″)	7,030 (23′ 1″)	7,110 (23′ 4″)	7,310 (23′ 12″)	12,190 (39′ 12″)
F	Min. swing radius	4,380 (14′ 4″)	4,260 (13′ 12″)	4,230 (13′ 11″)	4,190 (13′ 7″)	6,250 (20′ 6″)

Dimensions & Working Range

R290NLC-9 DIMENSIONS



Unit : mm (ft · in)

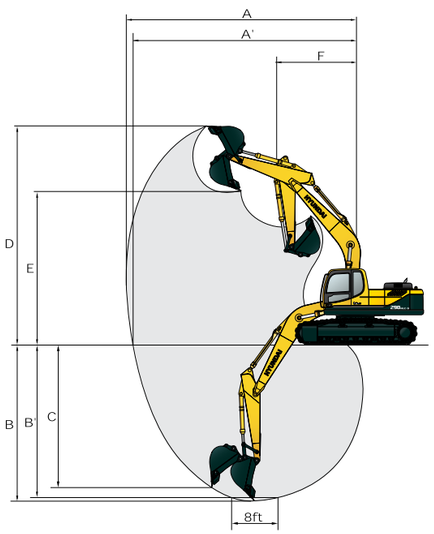
A	Tumbler distance	4,030 (13′ 3″)
B	Overall length of crawler	4,940 (16′ 2″)
C	Ground clearance of counterweight	1,190 (3′ 11″)
D	Tail swing radius	3,200 (10′ 6″)
D′	Rear-end length	3,120 (10′ 3″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,010 (9′ 11″)
G	Min. ground clearance	500 (1′ 8″)
H	Track gauge	2,390 (7′ 10″)

	Boom length	6,250 (20′ 6″)			
	Arm length	2,100 (6′ 11″)	2,500 (8′ 2″)	3,050 (10′ 0″)	3,750 (12′ 4″)6,250
I	Overall length	10,700 (35′ 1″)	10,650 (34′ 11″)	10,560 (34′ 8″)	10,630 (34′ 11″)
J	Overall height of boom	3,590 (11′ 9″)	3,470 (11′ 5″)	3,290 (10′ 10″)	3,500 (11′ 6″)

K	Track shoe width	600 (24″)
L	Overall width	2,990 (9′ 10″)

R290NLC-9 WORKING RANGE

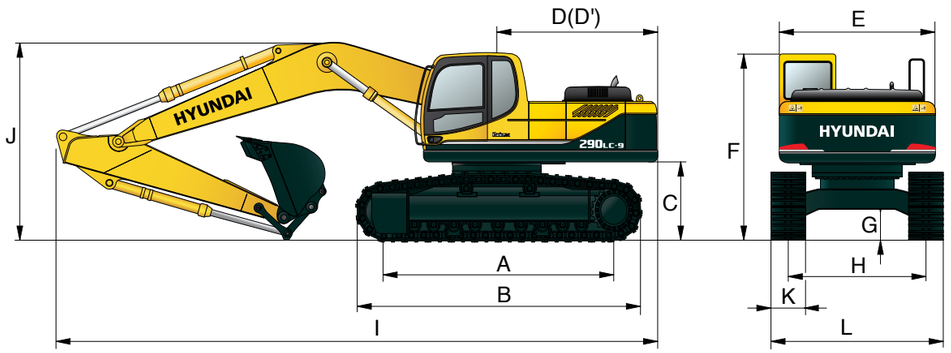
Unit : mm (ft · in)



	Boom length	6,250 (20′ 6″)			
	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′ 9″)	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′ 2″)	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. swing radius	4,380 (14′ 4″)	4,260 (13′ 12″)	4,230 (13′ 11″)	4,190 (13′ 7″)

Dimensions & Working Range

R290LC-9 HIGH WALKER DIMENSIONS



Unit : mm (ft · in)

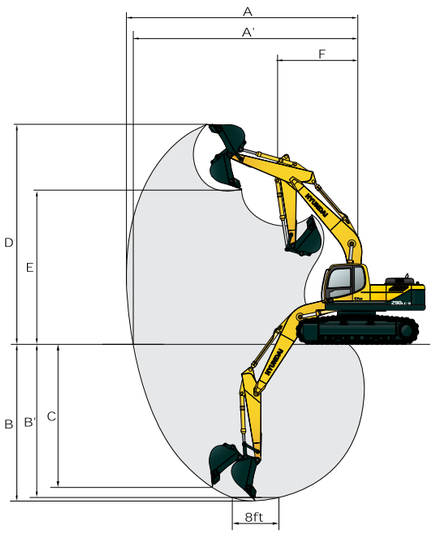
A	Tumbler distance	4,030 (13′ 3″)
B	Overall length of crawler	4,950 (16′ 3″)
C	Ground clearance of counterweight	1,500 (4′ 11″)
D	Tail swing radius	3,200 (10′ 6″)
D′	Rear-end length	3,120 (10′ 3″)
E	Overall width of upperstructure	2,980 (9′ 9″)
F	Overall height of cab	3,380 (11′ 1″)
G	Min. ground clearance	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″)	3750 (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 (10′ 12″)	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″)

R290LC-9 HIGH WALKER WORKING RANGE

Unit : mm (ft · in)



Boom length		6,250 (20′ 6″)			
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′ 9″)	10,790 (35′ 5″)	11,400 (37′ 5″)
A′	Max. digging reach on ground	9,750 (31′ 12″)	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 (19′ 12″)	6,790 (22′ 3″)
D	Max. digging height	10,370 (34′ 0″)	10,220 (33′ 6″)	10,440 (34′ 3″)	10,660 (34′ 12″)
E	Max. dumping height	7,240 (23′ 9″)	7,170 (23′ 6″)	7,400 (24′ 3″)	7,610 (24′ 12″)
F	Min. swing radius	4,380 (14′ 4″)	4,260 (13′ 12″)	4,230 (13′ 11″)	4,190 (13′ 7″)

Lifting Capacity

R290LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20′ 6″) / Arm : 2.10 m (6′ 11″) / Bucket : 1.27 m^3 (1.66 yd^3) 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
7.5 m	kg					*6200	*6200			*5710	4550	8.01
(25 ft)	lb					*13670	*13670			*12590	10030	(26.3)
6.0 m	kg					*6560	*6560	*6370	4920	*5810	3640	8.90
(20 ft)	lb					*14460	*14460	*14040	10850	*12810	8020	(29.2)
4.5 m	kg			*9620	*9620	*7590	7040	*6700	4800	5250	3170	9.42
(15 ft)	lb			*21210	*21210	*16730	15520	*14770	10580	11570	6990	(30.9)
3.0 m	kg			*12550	10150	*8910	6570	*7330	4580	4960	2960	9.64
(10 ft)	lb			*27670	22380	*19640	14480	*16160	10100	10930	6530	(31.6)
1.5 m	kg			*14540	9450	*10090	6170	7300	4370	4950	2930	9.58
(5 ft)	lb			*32060	20830	*22240	13600	16090	9630	10910	6460	(31.4)
Ground	kg			*15120	9240	10210	5940	7150	4230	5230	3110	9.23
Line	lb			*33330	20370	22510	13100	15760	9330	11530	6860	(30.3)
-1.5 m	kg	*14250	*14250	*14810	9260	10140	5880	7120	4210	5940	3560	8.57
(-5 ft)	lb	*31420	*31420	*32650	20410	22350	12960	15700	9280	13100	7850	(28.1)
-3.0 m	kg	*18890	*18890	*13670	9440	*10170	5980			*6670	4570	7.47
(-10 ft)	lb	*41650	*41650	*30140	20810	*22420	13180			*14700	10080	(24.5)
-4.5 m	kg	*15250	*15250	*11130	9840							
(-15 ft)	lb	*33620	*33620	*24540	21690							

Boom : 6.25m (20′ 6″) / Arm : 2.50 m (8′ 2″) / Bucket : 1.27 m^3 (1.66 yd^3) 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
7.5 m	kg											*5240	4280	8.34
(25 ft)	lb											*11550	9440	(27.4)
6.0 m	kg									*5870	5000	*5400	3460	9.19
(20 ft)	lb									*12940	11020	*11900	7630	(30.2)
4.5 m	kg					*8760	*8760	*7090	*7090	*6310	4840	5010	3020	9.69
(15 ft)	lb					*19310	*19310	*15630	*15630	*13910	10670	11050	6660	(31.8)
3.0 m	kg					*11680	10360	*8460	6630	*7000	4600	4730	2810	9.90
(10 ft)	lb					*25750	22840	*18650	14620	*15430	10140	10430	6190	(32.5)
1.5 m	kg					*13960	9530	*9730	6190	7300	4370	4710	2770	9.84
(5 ft)	lb					*30780	21010	*21450	13650	16090	9630	10380	6110	(32.3)
Ground	kg					*14930	9190	10190	5910	7110	4200	4940	2910	9.51
Line	lb					*32910	20260	22470	13030	15670	9260	10890	6420	(31.2)
-1.5 m	kg			*15220	*15220	*14910	9140	10060	5810	7040	4130	5550	3290	8.87
(-5 ft)	lb			*33550	*33550	*32870	20150	22180	12810	15520	9110	12240	7250	(29.1)
-3.0 m	kg	*17240	*17240	*20000	19540	*14040	9270	10130	5860			*6780	4140	7.82
(-10 ft)	lb	*38010	*38010	*44090	43080	*30950	20440	22330	12920			*14950	9130	(25.7)
-4.5 m	kg			*16720	*16720	*11970	9610							
(-15 ft)	lb			*36860	*36860	*26390	21190							

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 Capacity

R290LC-9

Rating over-front | Rating over-side or 360 degree

Boom : 6.25m (20′ 6″) / Arm : 3.05 m (10′ 0″) / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*4780	3780	8.94
(25 ft)	lb													*10540	8330	(29.3)
6.0 m	kg									*5270	5100			*4940	3100	9.74
(20 ft)	lb									*11620	11240			*10890	6830	(32.0)
4.5 m	kg							*6380	*6380	*5780	4890			4580	2730	10.20
(15 ft)	lb							*14070	*14070	*12740	10780			10100	6020	(33.5)
3.0 m	kg			*10490	*10490	*10510	*10510	*7800	6710	*6530	4620	*4420	3310	4330	2540	10.40
(10 ft)	lb			*23130	*23130	*23170	*23170	*17200	14790	*14400	10190	*9740	7300	9550	5600	(34.1)
1.5 m	kg					*13100	9660	*9190	6220	7300	4350	*5230	3170	4300	2490	10.35
(5 ft)	lb					*28880	21300	*20260	13710	16090	9590	*11530	6990	9480	5490	(34.0)
Ground	kg			*10140	*10140	*14530	9160	10150	5880	7070	4150	*4600	3070	4480	2600	10.04
Line	lb			*22350	*22350	*32030	20190	22380	12960	15590	9150	*10140	6770	9880	5730	(32.9)
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	9010	9970	5710	6950	4040			4950	2900	9.44
(-5 ft)	lb	*24230	*24230	*31420	*31420	*32830	19860	21980	12590	15320	8910			10910	6390	(31.0)
-3.0 m	kg	*14880	*14880	*19250	19100	*14380	9070	9960	5710	6970	4060			5960	3540	8.48
(-10 ft)	lb	*32800	*32800	*42440	42110	*31700	20000	21960	12590	15370	8950			13140	7800	(27.8)
-4.5 m	kg	*19470	*19470	*18400	*18400	*12820	9320	*9370	5890					*6400	5050	6.97
(-15 ft)	lb	*42920	*42920	*40570	*40570	*28260	20550	*20660	12990					*14110	11130	(22.9)

Boom : 6.25m (20′ 6″) / Arm : 3.75 m (12′ 4″) / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*4230	3250	9.67
(25 ft)	lb													*9330	7170	(31.7)
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2710	10.40
(20 ft)	lb									*9850	*9850	*5600	*5600	*9700	5970	(34.1)
4.5 m	kg									*5050	4990	*3970	3480	4100	2400	10.83
(15 ft)	lb									*11130	11000	*8750	7670	9040	5290	(35.5)
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	*6870	*5870	4690	*5060	3330	3890	2230	11.02
(10 ft)	lb			*31810	*31810	*19640	*19640	*15150	*15150	*12940	10340	*11160	7340	8580	4920	(36.2)
1.5 m	kg			*10550	*10550	*11820	9980	*8410	6340	*6760	4390	5380	3160	3850	2180	10.97
(5 ft)	lb			*23260	*23260	*26060	22000	*18540	13980	*14900	9680	11860	6970	8490	4810	(36.0)
Ground	kg	*6830	*6830	*10900	*10900	*13790	9270	*9670	5910	7060	4140	5220	3020	3980	2260	10.68
Line	lb	*15060	*15060	*24030	*24030	*30400	20440	*21320	13030	15560	9130	11510	6660	8770	4980	(35.0)
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	8950	9930	5670	6880	3970	5130	2940	4340	2480	10.12
(-5 ft)	lb	*21720	*21720	*29810	*29810	*32360	19730	21890	12500	15170	8750	11310	6480	9570	5470	(33.2)
-3.0 m	kg	*13010	*13010	*17210	*17210	*14640	8900	9830	5590	6830	3920			5070	2950	9.25
(-10 ft)	lb	*28680	*28680	*37940	*37940	*32280	19620	21670	12320	15060	8640			11180	6500	(30.3)
-4.5 m	kg	*16680	*16680	*20250	19120	*13660	9050	9930	5670					*6200	3950	7.92
(-15 ft)	lb	*36770	*36770	*44640	42150	*30120	19950	21890	12500					*13670	8710	(26.0)

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 Capacity

R290NLC-9

Rating over-front | Rating over-side or 360 degree

Boom : 6.25m (20′ 6″) / Arm : 2.10 m (6′ 11″) / Bucket : 1.27 m³ (1.66 yd³) 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)
7.5 m	kg					*6200	*6200			*5710	4110	8.01
(25 ft)	lb					*13670	*13670			*12590	9060	(26.3)
6.0 m	kg					*6560	*6560	*6370	4450	*5810	3270	8.90
(20 ft)	lb					*14460	*14460	*14040	9810	*12810	7210	(29.2)
4.5 m	kg			*9620	*9620	*7590	6360	*6700	4320	5220	2830	9.42
(15 ft)	lb			*21210	*21210	*16730	14020	*14770	9520	11510	6240	(30.9)
3.0 m	kg			*12550	9050	*8910	5900	*7330	4110	4930	2630	9.64
(10 ft)	lb			*27670	19950	*19640	13010	*16160	9060	10870	5800	(31.6)
1.5 m	kg			*14540	8370	*10090	5510	7260	3900	4920	2600	9.58
(5 ft)	lb			*32060	18450	*22240	12150	16010	8600	10850	5730	(31.4)
Ground	kg			*15120	8170	10150	5290	7110	3770	5200	2760	9.23
Line	lb			*33330	18010	22380	11660	15670	8310	11460	6080	(30.3)
-1.5 m	kg	*14250	*14250	*14810	8190	10080	5230	7080	3740	5900	3170	8.57
(-5 ft)	lb	*31420	*31420	*32650	18060	22220	11530	15610	8250	13010	6990	(28.1)
-3.0 m	kg	*18890	17220	*13670	8360	*10170	5330			*6670	4100	7.47
(-10 ft)	lb	*41650	37960	*30140	18430	*22420	11750			*14700	9040	(24.5)
-4.5 m	kg	*15250	*15250	*11130	8750							
(-15 ft)	lb	*33620	*33620	*24540	19290							

Boom : 6.25m (20′ 6″) / Arm : 2.50 m (8′ 2″) / Bucket : 1.27 m³ (1.66 yd³) 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)
7.5 m	kg											*5240	3870	8.34
(25 ft)	lb											*11550	8530	(27.4)
6.0 m	kg									*5870	4520	*5400	3100	9.19
(20 ft)	lb									*12940	9960	*11900	6830	(30.2)
4.5 m	kg					*8760	*8760	*7090	6450	*6310	4360	4990	2690	9.69
(15 ft)	lb					*19310	*19310	*15630	14220	*13910	9610	11000	5930	(31.8)
3.0 m	kg					*11680	9250	*8460	5960	*7000	4130	4710	2490	9.90
(10 ft)	lb					*25750	20390	*18650	13140	*15430	9110	10380	5490	(32.5)
1.5 m	kg					*13960	8440	*9730	5530	7260	3900	4680	2450	9.84
(5 ft)	lb					*30780	18610	*21450	12190	16010	8600	10320	5400	(32.3)
Ground	kg					*14930	8120	10130	5260	7080	3730	4920	2580	9.51
Line	lb					*32910	17900	22330	11600	15610	8220	10850	5690	(31.2)
-1.5 m	kg			*15220	*15220	*14910	8070	10010	5160	7000	3670	5520	2930	8.87
(-5 ft)	lb			*33550	*33550	*32870	17790	22070	11380	15430	8090	12170	6460	(29.1)
-3.0 m	kg	*17240	*17240	*20000	16870	*14040	8200	10070	5210			*6780	3700	7.82
(-10 ft)	lb	*38010	*38010	*44090	37190	*30950	18080	22200	11490			*14950	8160	(25.7)
-4.5 m	kg			*16720	*16720	*11970	8530							
(-15 ft)	lb			*36860	*36860	*26390	18810							

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 Capacity

R290NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20′ 6″) / Arm : 3.05 m (10′ 0″) / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*4780	3400	8.94
(25 ft)	lb													*10540	7500	(29.3)
6.0 m	kg									*5270	4610			*4940	2770	9.74
(20 ft)	lb									*11620	10160			*10890	6110	(32.0)
4.5 m	kg							*6380	*6380	*5780	4410			4550	2420	10.20
(15 ft)	lb							*14070	*14070	*12740	9720			10030	5340	(33.5)
3.0 m	kg			*10490	*10490	*10510	9510	*7800	6040	*6530	4150	*4420	2940	4310	2240	10.40
(10 ft)	lb			*23130	*23130	*23170	20970	*17200	13320	*14400	9150	*9740	6480	9500	4940	(34.1)
1.5 m	kg					*13100	8570	*9190	5560	7260	3880	*5230	2810	4270	2190	10.35
(5 ft)	lb					*28880	18890	*20260	12260	16010	8550	*11530	6190	9410	4830	(34.0)
Ground	kg			*10140	*10140	*14530	8090	10100	5220	7030	3680	*4600	2710	4450	2290	10.04
Line	lb			*22350	*22350	*32030	17840	22270	11510	15500	8110	*10140	5970	9810	5050	(32.9)
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	7940	9910	5060	6910	3580			4920	2560	9.44
(-5 ft)	lb	*24230	*24230	*31420	*31420	*32830	17500	21850	11160	15230	7890			10850	5640	(31.0)
-3.0 m	kg	*14880	*14880	*19250	16450	*14380	8000	9910	5060	6930	3590			5920	3140	8.48
(-10 ft)	lb	*32800	*32800	*42440	36270	*31700	17640	21850	11160	15280	7910			13050	6920	(27.8)
-4.5 m	kg	*19470	*19470	*18400	16950	*12820	8240	*9370	5240					*6400	4520	6.97
(-15 ft)	lb	*42920	*42920	*40570	37370	*28260	18170	*20660	11550					*14110	9960	(22.9)

Boom : 6.25m (20′ 6″) / Arm : 3.75 m (12′ 4″) / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*4230	2920	9.67
(25 ft)	lb													*9330	6440	(31.7)
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2410	10.40
(20 ft)	lb									*9850	*9850	*5600	*5600	*9700	5310	(34.1)
4.5 m	kg									*5050	4500	*3970	3120	4080	2110	10.83
(15 ft)	lb									*11130	9920	*8750	6880	8990	4650	(35.5)
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	6210	*5870	4210	*5060	2960	3870	1950	11.02
(10 ft)	lb			*31810	*31810	*19640	*19640	*15150	13690	*12940	9280	*11160	6530	8530	4300	(36.2)
1.5 m	kg			*10550	*10550	*11820	8870	*8410	5670	*6760	3910	5350	2800	3820	1910	10.97
(5 ft)	lb			*23260	*23260	*26060	19550	*18540	12500	*14900	8620	11790	6170	8420	4210	(36.0)
Ground	kg	*6830	*6830	*10900	*10900	*13790	8190	*9670	5260	7020	3670	5190	2660	3960	1970	10.68
Line	lb	*15060	*15060	*24030	*24030	*30400	18060	*21320	11600	15480	8090	11440	5860	8730	4340	(35.0)
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	7880	9870	5010	6850	3510	5100	2580	4310	2170	10.12
(-5 ft)	lb	*21720	*21720	*29810	*29810	*32360	17370	21760	11050	15100	7740	11240	5690	9500	4780	(33.2)
-3.0 m	kg	*13010	*13010	*17210	16070	*14640	7830	9780	4940	6790	3460			5040	2600	9.25
(-10 ft)	lb	*28680	*28680	*37940	35430	*32280	17260	21560	10890	14970	7630			11110	5730	(30.3)
-4.5 m	kg	*16680	*16680	*20250	16460	*13660	7980	9880	5020					*6200	3520	7.92
(-15 ft)	lb	*36770	*36770	*44640	36290	*30120	17590	21780	11070					*13670	7760	(26.0)

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 Capacity

R290LC-9 HIGH WALKER

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20′ 6″) / Arm : 3.05 m (10′ 0″) / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*3560	*3560			*4810	4650	9.12
(25 ft)	lb									*7850	*7850			*10600	10250	(29.9)
6.0 m	kg									*5340	*5340			*4970	3950	9.85
(20 ft)	lb									*11770	*11770			*10960	8710	(32.3)
4.5 m	kg							*6630	*6630	*5910	*5910	*3130	*3130	*5180	3570	10.26
(15 ft)	lb							*14620	*14620	*13030	*13030	*6900	*6900	*11420	7870	(33.7)
3.0 m	kg					*11060	*11060	*8070	*8070	*6680	5910	*4640	4330	5050	3390	10.41
(10 ft)	lb					*24380	*24380	*17790	*17790	*14730	13030	*10230	9550	11130	7470	(34.2)
1.5 m	kg			*7260	*7260	*13460	12470	*9420	7980	*7460	5640	*5260	4190	5070	3380	10.31
(5 ft)	lb			*16010	*16010	*29670	27490	*20770	17590	*16450	12430	*11600	9240	11180	7450	(33.8)
Ground	kg			*10880	*10880	*14670	12030	*10360	7670	*8040	5450			5330	3560	9.95
Line	lb			*23990	*23990	*32340	26520	*22840	16910	*17730	12020			11750	7850	(32.6)
-1.5 m	kg	*11690	*11690	*15110	*15110	*14860	11910	*10720	7530	8080	5360			5950	3990	9.29
(-5 ft)	lb	*25770	*25770	*33310	*33310	*32760	26260	*23630	16600	17810	11820			13120	8800	(30.5)
-3.0 m	kg	*15680	*15680	*20360	*20360	*14180	12010	*10400	7560	*7880	5410			*6450	4900	8.24
(-10 ft)	lb	*34570	*34570	*44890	*44890	*31260	26480	*22930	16670	*17370	11930			*14220	10800	(27.0)
-4.5 m	kg	*20460	*20460	*17650	*17650	*12350	12330	*8950	7790							
(-15 ft)	lb	*45110	*45110	*38910	*38910	*27230	27180	*19730	17170							

R290LC-9 LONG REACH

Boom : 10.2m (33′ 6″) / Arm : 7.85 m (25′ 9″) / Bucket : 0.52 m³ (0.68 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius														At max. reach		
		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12.0 m (40 ft)		13.5 m (45 ft)		15.0 m (50 ft)		Capacity		Reach
																		m (ft)
13.5 m	kg															*1820	*1820	14.13
(45 ft)	lb															*4010	*4010	(46.4)
12.0 m	kg															*1840	*1840	15.27
(40 ft)	lb															*4060	*4060	(50.1)
10.5 m	kg													*1100	*1100	*1870	1830	16.18
(35 ft)	lb													*2430	*2430	*4120	4030	(53.1)
9.0 m	kg													*1560	*1560	*1920	1600	16.89
(30 ft)	lb													*3440	*3440	*4230	3530	(55.4)
7.5 m	kg											*1940	*1940	*1870	*1870	*1970	1440	17.44
(25 ft)	lb											*4280	*4280	*4120	*4120	*4340	3170	(57.2)
6.0 m	kg											*2090	*2090	*2060	2020	*2030	1310	17.83
(20 ft)	lb											*4610	*4610	*4540	4450	*4480	2890	(58.5)
4.5 m	kg									*2390	*2390	*2270	*2270	*2190	1930	*2090	1220	18.08
(15 ft)	lb									*5270	*5270	*5000	*5000	*4830	4250	*4610	2690	(59.3)
3.0 m	kg					*3320	*3320	*2940	*2940	*2670	*2670	*2480	2290	*2340	1830	2120	1150	18.20
(10 ft)	lb					*7320	*7320	*6480	*6480	*5890	*5890	*5470	5050	*5160	4030	4670	2540	(59.7)
1.5 m	kg	*6230	*6230	*4760	*4760	*3900	*3900	*3340	*3340	*2970	2670	*2700	2140	*2510	1730	2080	1110	18.19
(5 ft)	lb	*13730	*13730	*10490	*10490	*8600	*8600	*7360	*7360	*6550	5890	*5950	4720	*5530	3810	4590	2450	(59.7)
Ground	kg	*7390	6790	*5530	5040	*4440	3900	*3740	3090	*3260	2480	*2920	2010	*2670	1630	2070	1100	18.04
Line	lb	*16290	14970	*12190	11110	*9790	8600	*8250	6810	*7190	5470	*6440	4430	*5890	3590	4560	2430	(59.2)
-1.5 m	kg	*8230	6220	*6170	4620	*4910	3590	*4090	2870	*3530	2320	*3120	1890	2770	1540	2100	1110	17.76
(-5 ft)	lb	*18140	13710	*13600	10190	*10820	7910	*9020	6330	*7780	5110	*6880	4170	6110	3400	4630	2450	(58.3)
-3.0 m	kg	*8770	5900	*6630	4340	*5290	3370	*4390	2690	*3760	2190	3190	1790	2700	1480	2170	1140	17.33
(-10 ft)	lb	*19330	13010	*14620	9570	*11660	7430	*9680	5930	*8290	4830	7030	3950	5950	3260	4780	2510	(56.9)
-4.5 m	kg	*9070	5750	*6930	4180	*5550	3230	4530	2580	3730	2100	3120	1730	2660	1440	2280	1220	16.75
(-15 ft)	lb	*20000	12680	*15280	9220	*12240	7120	9990	5690	8220	4630	6880	3810	5860	3170	5030	2690	(55.0)
-6.0 m	kg	*9150	5710	*7080	4120	5580	3160	4460	2510	3670	2050	3090	1700	2650	1430	2470	1330	15.99
(-20 ft)	lb	*20170	12590	*15610	9080	12300	6970	9830	5530	8090	4520	6810	3750	5840	3150	5450	2930	(52.5)
-7.5 m	kg	*9030	5770	*7060	4130	5570	3150	4450	2510	3670	2050	3110	1710			2740	1520	15.04
(-25 ft)	lb	*19910	12720	*15560	9110	12280	6940	9810	5530	8090	4520	6860	3770			6040	3350	(49.3)
-9.0 m	kg	*8690	5920	*6860	4220	*5590	3210	4500	2550	3730	2100					*3130	1800	13.83
(-30 ft)	lb	*19160	13050	*15120	9300	*12320	7080	9920	5620	8220	4630					*6900	3970	(45.4)
-10.5 m	kg	*8080	6150	*6430	4380	*5250	3340	*4340	2670	*3570	2230					*3290	2270	12.31
(-35 ft)	lb	*17810	13560	*14180	9660	*11570	7360	*9570	5890	*7870	4920					*7250	5000	(40.4)
-12.0 m	kg	*7090	6490	*5670	4630	*4580	3560											
(-40 ft)	lb	*15630	14310	*12500	10210	*10100	7850											
-13.5 m	kg	*5480	*5480	*4290	*4290													
(-45 ft)	lb	*12080	*12080	*9460	*9460													

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3. The load point is a hook(standard equipment) located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.