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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CONSTRUCTION EQUIPMENT

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www.hyundai-ce.com 2020.07 Rev. 6

MOVING YOU FURTHER

Robex
290LC-9
With Tier 3 Engine installed

*Photo may include optional equipment.

HYUNDAI
CONSTRUCTION EQUIPMENT

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.

Robex 290LC-9

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.

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.

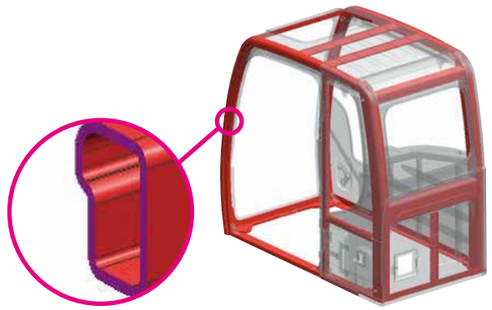
Performance

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.

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.

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.

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			97kgf·m (701lbf·ft)/1,400rpm
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)

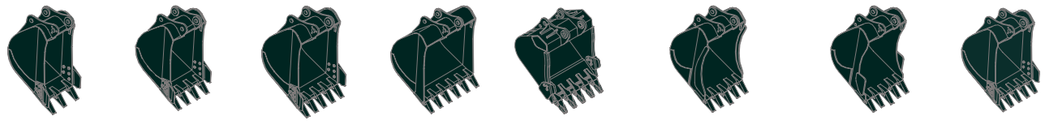
Operating weight, including 6,250mm (20' 6") boom, 3,050mm (10' 0") arm, SAE heaped 1.27m^3 (1.66 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

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 ◎ Rock-Heavy duty bucket ● : Applicable for materials with density of 2,000 kg /m^3 (3,370 lb/ yd^3) or less
◈ Heavy duty bucket ★ Long reach bucket ■ : 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.

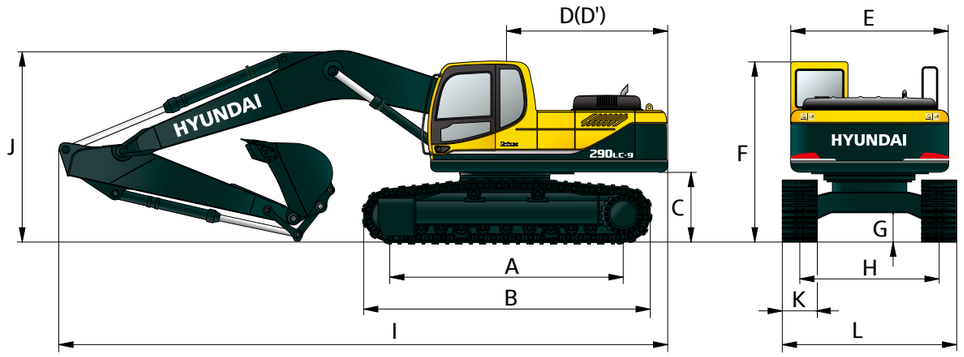
DIGGING FORCE

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	17,200 [18,670]	17,200 [18,670]	17,200 [18,670]	17,200 [18,670]	7,100	
		lbf	37,920 [41,170]	37,920 [41,170]	37,920 [41,170]	37,920 [41,170]	15,650	
	ISO	kN	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	80	
		kgf	19,600 [21,280]	19,600 [21,280]	19,600 [21,280]	19,600 [21,280]	8,200	
		lbf	43,210 [46,910]	43,210 [46,910]	43,210 [46,910]	43,210 [46,910]	18,080	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1	
		kgf	18,400 [19,980]	16,000 [17,370]	13,400 [14,550]	11,700 [12,700]	4,800	
		lbf	40,570 [44,050]	35,270 [38290]	29,540 [32,070]	25,790 [28,000]	10,580	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1	
		kgf	19,400 [21,060]	16,700 [18,130]	13,900 [15,090]	12,200 [13,250]	4,900	
		lbf	42,770 [46,440]	36,820 [39,980]	30,640 [33,270]	26,900 [29,210]	10,800	

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

Dimensions & Working Range

R290LC-9 DIMENSIONS



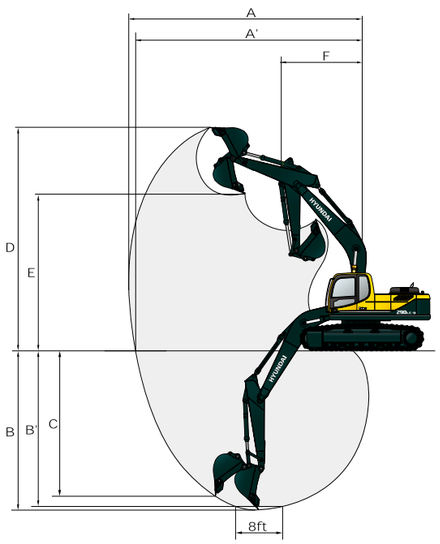
Unit : mm (ft · in)

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

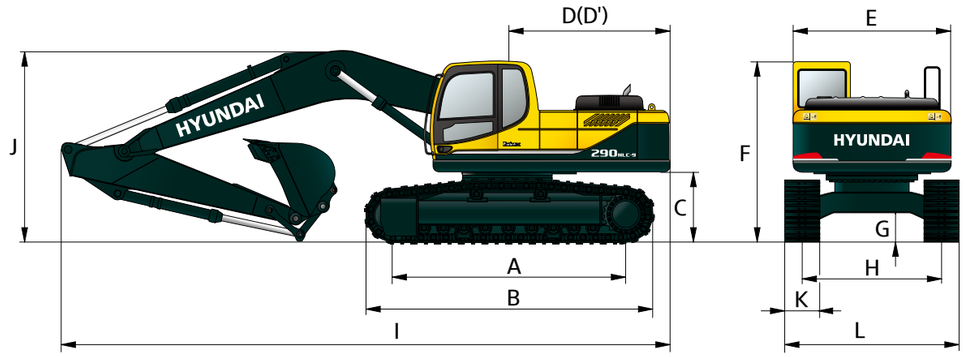
Unit : mm (ft · in)



	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



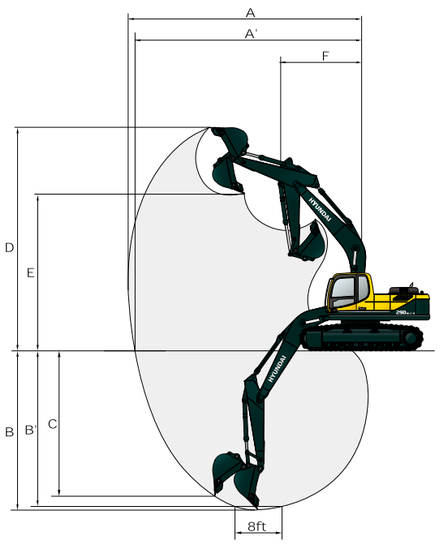
Unit : mm (ft · in)

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

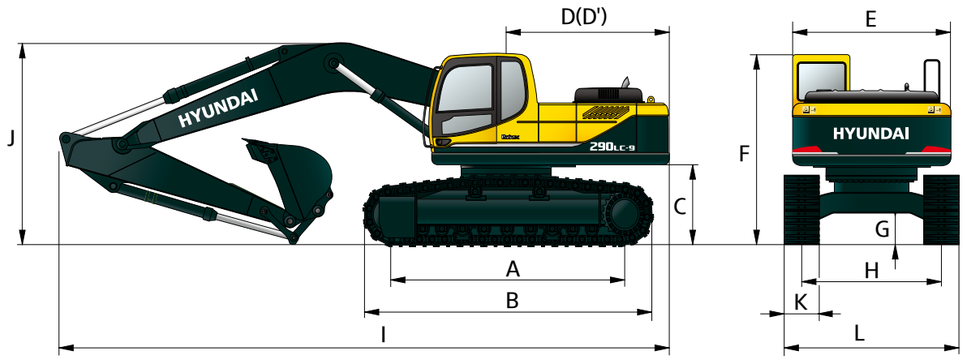
Unit : mm (ft · in)



	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



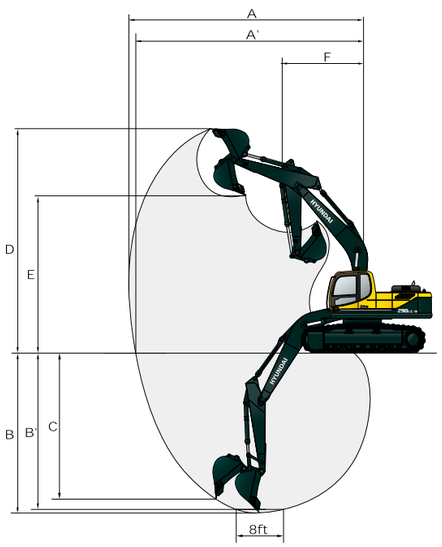
Unit : mm (ft · in)

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
												m (ft)
7.5 m	kg					*6,200	*6,200			*5,710	4,550	8.01
(25 ft)	lb					*13,670	*13,670			*12,590	10,030	(26.3)
6.0 m	kg					*6,560	*6,560	*6,370	4,920	*5,810	3,640	8.90
(20 ft)	lb					*14,460	*14,460	*14,040	10,850	*12,810	8,020	(29.2)
4.5 m	kg			*9,620	*9,620	*7,590	7,040	*6,700	4,800	5,250	3,170	9.42
(15 ft)	lb			*21,210	*21,210	*16,730	15,520	*14,770	10,580	11,570	6,990	(30.9)
3.0 m	kg			*12,550	10,150	*8,910	6,570	*7,330	4,580	4,960	2,960	9.64
(10 ft)	lb			*27,670	22,380	*19,640	14,480	*16,160	10,100	10,930	6,530	(31.6)
1.5 m	kg			*14,540	9,450	*10,090	6,170	7,300	4,370	4,950	2,930	9.58
(5 ft)	lb			*32,060	20,830	*22,240	13,600	16,090	9630	10,910	6,460	(31.4)
Ground	kg			*15,120	9,240	10,210	5,940	7,150	4,230	5,230	3,110	9.23
Line	lb			*33,330	20,370	22,510	13,100	15,760	9,330	11,530	6,860	(30.3)
-1.5 m	kg	*14,250	*14,250	*14,810	9,260	10,140	5,880	7,120	4,210	5,940	3,560	8.57
(-5 ft)	lb	*31,420	*31,420	*32,650	20,410	22,350	12,960	15,700	9,280	13,100	7,850	(28.1)
-3.0 m	kg	*18,890	*18,890	*13,670	9,440	*10,170	5,980			*6,670	4,570	7.47
(-10 ft)	lb	*41,650	*41,650	*30,140	20,810	*22,420	13,180			*14,700	10,080	(24.5)
-4.5 m	kg	*15,250	*15,250	*11,130	9,840							
(-15 ft)	lb	*33,620	*33,620	*24,540	21,690							

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
														m (ft)
7.5 m	kg											*5,240	4,280	8.34
(25 ft)	lb											*11,550	9,440	(27.4)
6.0 m	kg									*5,870	5,000	*5,400	3,460	9.19
(20 ft)	lb									*12,940	11,020	*11,900	7,630	(30.2)
4.5 m	kg					*8,760	*8,760	*7,090	*7,090	*6,310	4,840	5,010	3,020	9.69
(15 ft)	lb					*19,310	*19,310	*15,630	*15,630	*13,910	10,670	11,050	6,660	(31.8)
3.0 m	kg					*11,680	10,360	*8,460	6,630	*7,000	4,600	4,730	2,810	9.90
(10 ft)	lb					*25,750	22,840	*18,650	14,620	*15,430	10,140	10,430	6,190	(32.5)
1.5 m	kg					*13,960	9,530	*9,730	6,190	7,300	4,370	4,710	2,770	9.84
(5 ft)	lb					*30,780	21,010	*21,450	13,650	16,090	9,630	10,380	6,110	(32.3)
Ground	kg					*14,930	9,190	10,190	5,910	7,110	4,200	4,940	2,910	9.51
Line	lb					*32,910	20,260	22,470	13,030	15,670	9,260	10,890	6,420	(31.2)
-1.5 m	kg			*15,220	*15,220	*14,910	9,140	10,060	5,810	7,040	4,130	5,550	3,290	8.87
(-5 ft)	lb			*33,550	*33,550	*32,870	20,150	22,180	12,810	15,520	9,110	12,240	7,250	(29.1)
-3.0 m	kg	*17,240	*17,240	*20,000	19,540	*14,040	9,270	10,130	5,860			*6,780	4,140	7.82
(-10 ft)	lb	*38,010	*38,010	*44,090	43,080	*30,950	20,440	22,330	12,920			*14,950	9,130	(25.7)
-4.5 m	kg			*16,720	*16,720	*11,970	9,610							
(-15 ft)	lb			*36,860	*36,860	*26,390	21,190							

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													*4,780	3,780	8.94
(25 ft)	lb													*10,540	8,330	(29.3)
6.0 m	kg									*5,270	5,100			*4,940	3,100	9.74
(20 ft)	lb									*11,620	11,240			*10,890	6,830	(32.0)
4.5 m	kg							*6,380	*6,380	*5,780	4,890			4,580	2,730	10.20
(15 ft)	lb							*14,070	*14,070	*12,740	10,780			10,100	6,020	(33.5)
3.0 m	kg			*10,490	*10,490	*10,510	*10,510	*7,800	6,710	*6,530	4,620	*4,420	3,310	4,330	2,540	10.40
(10 ft)	lb			*23,130	*23,130	*23,170	*23,170	*17,200	14,790	*14,400	10,190	*9,740	7,300	9,550	5,600	(34.1)
1.5 m	kg					*13,100	9,660	*9,190	6,220	7,300	4,350	*5,230	3,170	4,300	2,490	10.35
(5 ft)	lb					*28,880	21,300	*20,260	13,710	16,090	9,590	*11,530	6,990	9,480	5,490	(34.0)
Ground	kg			*10,140	*10,140	*14,530	9,160	10,150	5,880	7,070	4,150	*4,600	3,070	4,480	2,600	10.04
Line	lb			*22,350	*22,350	*32,030	20,190	22,380	12,960	15,590	9,150	*10,140	6,770	9,880	5,730	(32.9)
-1.5 m	kg	*10,990	*10,990	*14,250	*14,250	*14,890	9,010	9,970	5,710	6,950	4,040			4,950	2,900	9.44
(-5 ft)	lb	*24,230	*24,230	*31,420	*31,420	*32,830	19,860	21,980	12,590	15,320	8,910			10,910	6,390	(31.0)
-3.0 m	kg	*14,880	*14,880	*19,250	19,100	*14,380	9,070	9,960	5,710	6,970	4,060			5,960	3,540	8.48
(-10 ft)	lb	*32,800	*32,800	*42,440	42,110	*31,700	20,000	21,960	12,590	15,370	8,950			13,140	7,800	(27.8)
-4.5 m	kg	*19,470	*19,470	*18,400	*18,400	*12,820	9,320	*9,370	5,890					*6,400	5,050	6.97
(-15 ft)	lb	*42,920	*42,920	*40,570	*40,570	*28,260	20,550	*20,660	12,990					*14,110	11,130	(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													*4,230	3,250	9.67
(25 ft)	lb													*9,330	7,170	(31.7)
6.0 m	kg									*4,470	*4,470	*2,540	*2,540	*4,400	2,710	10.40
(20 ft)	lb									*9,850	*9,850	*5,600	*5,600	*9,700	5,970	(34.1)
4.5 m	kg									*5,050	4,990	*3,970	3,480	4,100	2,400	10.83
(15 ft)	lb									*11,130	11,000	*8,750	7,670	9,040	5,290	(35.5)
3.0 m	kg			*14,430	*14,430	*8,910	*8,910	*6,870	*6,870	*5,870	4,690	*5,060	3,330	3,890	2,230	11.02
(10 ft)	lb			*31,810	*31,810	*19,640	*19,640	*15,150	*15,150	*12,940	10,340	*11,160	7,340	8,580	4,920	(36.2)
1.5 m	kg			*10,550	*10,550	*11,820	9,980	*8,410	6,340	*6,760	4,390	5,380	3,160	3,850	2,180	10.97
(5 ft)	lb			*23,260	*23,260	*26,060	22,000	*18,540	13,980	*14,900	9,680	11,860	6,970	8,490	4,810	(36.0)
Ground	kg	*6,830	*6,830	*10,900	*10,900	*13,790	9,270	*9,670	5910	7,060	4,140	5,220	3,020	3,980	2,260	10.68
Line	lb	*15,060	*15,060	*24,030	*24,030	*30,400	20,440	*21,320	13,030	15,560	9,130	11,510	6,660	8,770	4,980	(35.0)
-1.5 m	kg	*9,850	*9,850	*13,520	*13,520	*14,680	8950	9,930	5,670	6,880	3,970	5,130	2,940	4,340	2,480	10.12
(-5 ft)	lb	*21,720	*21,720	*29,810	*29,810	*32,360	19,730	21,890	12,500	15,170	8,750	11,310	6,480	9,570	5,470	(33.2)
-3.0 m	kg	*13,010	*13,010	*17,210	*17,210	*14,640	8,900	9,830	5,590	6,830	3,920			5,070	2,950	9.25
(-10 ft)	lb	*28,680	*28,680	*37,940	*37,940	*32,280	19,620	21,670	12,320	15,060	8,640			11,180	6,500	(30.3)
-4.5 m	kg	*16,680	*16,680	*20,250	19,120	*13,660	9,050	9,930	5,670					*6,200	3,950	7.92
(-15 ft)	lb	*36,770	*36,770	*44,640	42,150	*30,120	19,950	21,890	12,500					*13,670	8,710	(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					*6,200	*6,200			*5,710	4,110	8.01
(25 ft)	lb					*13,670	*13,670			*12,590	9,060	(26.3)
6.0 m	kg					*6,560	*6,560	*6,370	4,450	*5,810	3,270	8.90
(20 ft)	lb					*14,460	*14,460	*14,040	9,810	*12,810	7,210	(29.2)
4.5 m	kg			*9,620	*9,620	*7,590	6,360	*6,700	4,320	5,220	2,830	9.42
(15 ft)	lb			*21,210	*21,210	*16,730	14,020	*14,770	9,520	11,510	6,240	(30.9)
3.0 m	kg			*12,550	9,050	*8,910	5,900	*7,330	4,110	4,930	2,630	9.64
(10 ft)	lb			*27,670	19,950	*19,640	13,010	*16,160	9,060	10,870	5,800	(31.6)
1.5 m	kg			*14,540	8,370	*10,090	5,510	7,260	3,900	4,920	2,600	9.58
(5 ft)	lb			*32,060	18,450	*22,240	12,150	16,010	8,600	10,850	5,730	(31.4)
Ground	kg			*15,120	8,170	10,150	5,290	7,110	3,770	5,200	2,760	9.23
Line	lb			*33,330	18,010	22,380	11,660	15,670	8,310	11,460	6,080	(30.3)
-1.5 m	kg	*14,250	*14,250	*14,810	8,190	10,080	5,230	7,080	3,740	5,900	3,170	8.57
(-5 ft)	lb	*31,420	*31,420	*32,650	18,060	22,220	11,530	15,610	8,250	13,010	6,990	(28.1)
-3.0 m	kg	*18,890	17,220	*13,670	8,360	*10,170	5,330			*6,670	4,100	7.47
(-10 ft)	lb	*41,650	37,960	*30,140	18,430	*22,420	11,750			*14,700	9,040	(24.5)
-4.5 m	kg	*15,250	*15,250	*11,130	8,750							
(-15 ft)	lb	*33,620	*33,620	*24,540	19,290							

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											*5,240	3,870	8.34
(25 ft)	lb											*11,550	8,530	(27.4)
6.0 m	kg									*5,870	4,520	*5,400	3100	9.19
(20 ft)	lb									*12,940	9,960	*11,900	6,830	(30.2)
4.5 m	kg					*8,760	*8,760	*7,090	6,450	*6,310	4,360	4,990	2,690	9.69
(15 ft)	lb					*19,310	*19,310	*15,630	14,220	*13,910	9,610	11,000	5,930	(31.8)
3.0 m	kg					*11,680	9,250	*8,460	5,960	*7,000	4,130	4,710	2,490	9.90
(10 ft)	lb					*25,750	20,390	*18,650	13,140	*15,430	9,110	10,380	5,490	(32.5)
1.5 m	kg					*13,960	8,440	*9,730	5,530	7,260	3,900	4,680	2,450	9.84
(5 ft)	lb					*30,780	18,610	*21,450	12,190	16,010	8,600	10,320	5,400	(32.3)
Ground	kg					*14,930	8,120	10,130	5,260	7,080	3,730	4,920	2,580	9.51
Line	lb					*32,910	17,900	22,330	11,600	15,610	8,220	10,850	5,690	(31.2)
-1.5 m	kg			*15,220	*15,220	*14,910	8,070	10,010	5,160	7,000	3,670	5,520	2,930	8.87
(-5 ft)	lb			*33,550	*33,550	*32,870	17,790	22,070	11,380	15,430	8,090	12,170	6,460	(29.1)
-3.0 m	kg	*17,240	*17,240	*20,000	16,870	*14,040	8,200	10,070	5,210			*6,780	3,700	7.82
(-10 ft)	lb	*38,010	*38,010	*44,090	37,190	*30,950	18,080	22,200	11,490			*14,950	8,160	(25.7)
-4.5 m	kg			*16,720	*16,720	*11,970	8,530							
(-15 ft)	lb			*36,860	*36,860	*26,390	18,810							

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													*4,780	3,400	8.94
(25 ft)	lb													*10,540	7,500	(29.3)
6.0 m	kg									*5,270	4,610			*4,940	2,770	9.74
(20 ft)	lb									*11,620	10,160			*10,890	6,110	(32.0)
4.5 m	kg							*6,380	*6,380	*5,780	4,410			4,550	2,420	10.20
(15 ft)	lb							*14,070	*14,070	*12,740	9,720			10,030	5,340	(33.5)
3.0 m	kg			*10,490	*10,490	*10,510	9,510	*7,800	6,040	*6,530	4,150	*4,420	2,940	4,310	2,240	10.40
(10 ft)	lb			*23,130	*23,130	*23,170	20,970	*17,200	13,320	*14,400	9,150	*9,740	6,480	9,500	4,940	(34.1)
1.5 m	kg					*13,100	8,570	*9,190	5,560	7,260	3,880	*5,230	2,810	4,270	2,190	10.35
(5 ft)	lb					*28,880	18,890	*20,260	12,260	16,010	8,550	*11,530	6,190	9,410	4,830	(34.0)
Ground	kg			*10,140	*10,140	*14,530	8,090	10,100	5,220	7,030	3,680	*4,600	2,710	4,450	2,290	10.04
Line	lb			*22,350	*22,350	*32,030	17,840	22,270	11,510	15,500	8,110	*10,140	5,970	9,810	5,050	(32.9)
-1.5 m	kg	*10,990	*10,990	*14,250	*14,250	*14,890	7,940	9,910	5,060	6,910	3,580			4,920	2,560	9.44
(-5 ft)	lb	*24,230	*24,230	*31,420	*31,420	*32,830	17,500	21,850	11,160	15,230	7,890			10,850	5,640	(31.0)
-3.0 m	kg	*14,880	*14,880	*19,250	16,450	*14,380	8,000	9,910	5,060	6,930	3,590			5,920	3,140	8.48
(-10 ft)	lb	*32,800	*32,800	*42,440	36,270	*31,700	17,640	21,850	11,160	15,280	7,910			13,050	6,920	(27.8)
-4.5 m	kg	*19,470	*19,470	*18,400	16,950	*12,820	8,240	*9,370	5,240					*6,400	4,520	6.97
(-15 ft)	lb	*42,920	*42,920	*40,570	37,370	*28,260	18,170	*20,660	11,550					*14,110	9,960	(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													*4,230	2,920	9.67
(25 ft)	lb													*9,330	6,440	(31.7)
6.0 m	kg									*4,470	*4,470	*2,540	*2,540	*4,400	2,410	10.40
(20 ft)	lb									*9,850	*9,850	*5,600	*5,600	*9,700	5,310	(34.1)
4.5 m	kg									*5,050	4,500	*3,970	3,120	4,080	2,110	10.83
(15 ft)	lb									*11,130	9,920	*8,750	6,880	8,990	4,650	(35.5)
3.0 m	kg			*14,430	*14,430	*8,910	*8,910	*6,870	6,210	*5,870	4,210	*5,060	2,960	3,870	1,950	11.02
(10 ft)	lb			*31,810	*31,810	*19,640	*19,640	*15,150	13,690	*12,940	9,280	*11,160	6,530	8,530	4,300	(36.2)
1.5 m	kg			*10,550	*10,550	*11,820	8,870	*8,410	5,670	*6,760	3,910	5,350	2,800	3,820	1,910	10.97
(5 ft)	lb			*23,260	*23,260	*26,060	19,550	*18,540	12,500	*14,900	8,620	11,790	6,170	8,420	4,210	(36.0)
Ground	kg	*6,830	*6,830	*10,900	*10,900	*13,790	8,190	*9,670	5,260	7,020	3,670	5,190	2,660	3,960	1,970	10.68
Line	lb	*15,060	*15,060	*24,030	*24,030	*30,400	18,060	*21,320	11,600	15,480	8,090	11,440	5,860	8,730	4,340	(35.0)
-1.5 m	kg	*9,850	*9,850	*13,520	*13,520	*14,680	7,880	9,870	5,010	6,850	3,510	5,100	2,580	4,310	2,170	10.12
(-5 ft)	lb	*21,720	*21,720	*29,810	*29,810	*32,360	17,370	21,760	11,050	15,100	7,740	11,240	5,690	9,500	4,780	(33.2)
-3.0 m	kg	*13,010	*13,010	*17,210	16,070	*14,640	7,830	9,780	4,940	6,790	3,460			5,040	2,600	9.25
(-10 ft)	lb	*28,680	*28,680	*37,940	35,430	*32,280	17,260	21,560	10,890	14,970	7,630			11,110	5,730	(30.3)
-4.5 m	kg	*16,680	*16,680	*20,250	16,460	*13,660	7,980	9,880	5,020					*6,200	3,520	7.92
(-15 ft)	lb	*36,770	*36,770	*44,640	36,290	*30,120	17,590	21,780	11,070					*13,670	7,760	(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									*3,560	*3,560			*4,810	4,650	9.12
(25 ft)	lb									*7,850	*7,850			*10,600	10,250	(29.9)
6.0 m	kg									*5,340	*5,340			*4,970	3,950	9.85
(20 ft)	lb									*11,770	*11,770			*10,960	8,710	(32.3)
4.5 m	kg							*6,630	*6,630	*5,910	*5,910	*3,130	*3,130	*5,180	3,570	10.26
(15 ft)	lb							*14,620	*14,620	*13,030	*13,030	*6,900	*6,900	*11,420	7,870	(33.7)
3.0 m	kg					*11,060	*11,060	*8,070	*8,070	*6,680	5,910	*4,640	4,330	5,050	3,390	10.41
(10 ft)	lb					*24,380	*24,380	*17,790	*17,790	*14,730	13,030	*10,230	9550	11,130	7,470	(34.2)
1.5 m	kg			*7,260	*7,260	*13,460	12,470	*9,420	7,980	*7,460	5,640	*5,260	4190	5,070	3,380	10.31
(5 ft)	lb			*16,010	*16,010	*29,670	27,490	*20,770	17,590	*16,450	12,430	*11,600	9240	11,180	7,450	(33.8)
Ground	kg			*10,880	*10,880	*14,670	12,030	*10,360	7,670	*8,040	5,450			5,330	3,560	9.95
Line	lb			*23,990	*23,990	*32,340	26,520	*22,840	16,910	*17,730	12,020			11,750	7,850	(32.6)
-1.5 m	kg	*11,690	*11,690	*15,110	*15,110	*14,860	11,910	*10,720	7,530	8,080	5,360			5,950	3,990	9.29
(-5 ft)	lb	*25,770	*25,770	*33,310	*33,310	*32,760	26,260	*23,630	16,600	17,810	11,820			13,120	8,800	(30.5)
-3.0 m	kg	*15,680	*15,680	*20,360	*20,360	*14,180	12,010	*10,400	7,560	*7,880	5,410			*6,450	4,900	8.24
(-10 ft)	lb	*34,570	*34,570	*44,890	*44,890	*31,260	26,480	*22,930	16,670	*17,370	11,930			*14,220	10,800	(27.0)
-4.5 m	kg	*20,460	*20,460	*17,650	*17,650	*12,350	12,330	*8,950	7,790							
(-15 ft)	lb	*45,110	*45,110	*38,910	*38,910	*27,230	27,180	*19,730	17,170							

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															*1,820	*1,820	14.13
(45 ft)	lb															*4,010	*4,010	(46.4)
12.0 m	kg															*1,840	*1,840	15.27
(40 ft)	lb															*4,060	*4,060	(50.1)
10.5 m	kg													*1,100	*1,100	*1,870	1,830	16.18
(35 ft)	lb													*2,430	*2,430	*4,120	4,030	(53.1)
9.0 m	kg													*1,560	*1,560	*1,920	1,600	16.89
(30 ft)	lb													*3,440	*3,440	*4,230	3,530	(55.4)
7.5 m	kg											*1,940	*1,940	*1,870	*1,870	*1,970	1,440	17.44
(25 ft)	lb											*4,280	*4,280	*4,120	*4,120	*4,340	3,170	(57.2)
6.0 m	kg											*2,090	*2,090	*2,060	2,020	*2,030	1,310	17.83
(20 ft)	lb											*4,610	*4,610	*4,540	4,450	*4,480	2,890	(58.5)
4.5 m	kg									*2,390	*2,390	*2,270	*2,270	*2,190	1,930	*2,090	1,220	18.08
(15 ft)	lb									*5,270	*5,270	*5,000	*5,000	*4,830	4,250	*4,610	2,690	(59.3)
3.0 m	kg					*3,320	*3,320	*2,940	*2,940	*2,670	*2,670	*2,480	2,290	*2,340	1,830	2,120	1,150	18.20
(10 ft)	lb					*7,320	*7,320	*6,480	*6,480	*5,890	*5,890	*5,470	5,050	*5,160	4,030	4,670	2,540	(59.7)
1.5 m	kg	*6,230	*6,230	*4,760	*4,760	*3,900	*3,900	*3,340	*3,340	*2,970	2,670	*2,700	2,140	*2,510	1,730	2,080	1,110	18.19
(5 ft)	lb	*13,730	*13,730	*10,490	*10,490	*8,600	*8,600	*7,360	*7,360	*6,550	5,890	*5,950	4,720	*5,530	3,810	4,590	2,450	(59.7)
Ground	kg	*7,390	6,790	*5,530	5,040	*4,440	3,900	*3,740	3,090	*3,260	2,480	*2,920	2,010	*2,670	1,630	2,070	1,100	18.04
Line	lb	*16,290	14,970	*12,190	11,110	*9,790	8,600	*8,250	6,810	*7,190	5,470	*6,440	4,430	*5,890	3,590	4,560	2,430	(59.2)
-1.5 m	kg	*8,230	6,220	*6,170	4,620	*4,910	3,590	*4,090	2,870	*3,530	2,320	*3,120	1,890	2,770	1,540	2,100	1,110	17.76
(-5 ft)	lb	*18,140	13,710	*13,600	10,190	*10,820	7,910	*9,020	6,330	*7,780	5,110	*6,880	4,170	6,110	3,400	4,630	2,450	(58.3)
-3.0 m	kg	*8,770	5,900	*6,630	4,340	*5,290	3,370	*4,390	2,690	*3,760	2,190	3,190	1,790	2,700	1,480	2,170	1,140	17.33
(-10 ft)	lb	*19,330	13,010	*14,620	9,570	*11,660	7,430	*9,680	5,930	*8,290	4,830	7,030	3,950	5,950	3,260	4,780	2,510	(56.9)
-4.5 m	kg	*9,070	5,750	*6,930	4,180	*5,550	3,230	4,530	2,580	3,730	2,100	3,120	1,730	2,660	1,440	2,280	1,220	16.75
(-15 ft)	lb	*20,000	12,680	*15,280	9,220	*12,240	7,120	9,990	5,690	8,220	4,630	6,880	3,810	5,860	3,170	5,030	2,690	(55.0)
-6.0 m	kg	*9,150	5,710	*7,080	4,120	5,580	3,160	4,460	2,510	3,670	2,050	3,090	1,700	2,650	1,430	2,470	1,330	15.99
(-20 ft)	lb	*20,170	12,590	*15,610	9,080	12,300	6,970	9,830	5,530	8,090	4,520	6,810	3,750	5,840	3,150	5,450	2,930	(52.5)
-7.5 m	kg	*9,030	5,770	*7,060	4,130	5,570	3,150	4,450	2,510	3,670	2,050	3,110	1,710			2,740	1,520	15.04
(-25 ft)	lb	*19,910	12,720	*15,560	9,110	12,280	6,940	9,810	5,530	8,090	4,520	6,860	3,770			6,040	3,350	(49.3)
-9.0 m	kg	*8,690	5,920	*6,860	4,220	*5,590	3,210	4,500	2,550	3,730	2,100					*3,130	1,800	13.83
(-30 ft)	lb	*19,160	13,050	*15,120	9,300	*12,320	7,080	9,920	5,620	8,220	4,630					*6,900	3,970	(45.4)
-10.5 m	kg	*8,080	6,150	*6,430	4,380	*5,250	3,340	*4,340	2,670	*3,570	2,230					*3,290	2,270	12.31
(-35 ft)	lb	*17,810	13,560	*14,180	9,660	*11,570	7,360	*9,570	5,890	*7,870	4,920					*7,250	5,000	(40.4)
-12.0 m	kg	*7,090	6,490	*5,670	4,630	*4,580	3,560											
(-40 ft)	lb	*15,630	14,310	*12,500	10,210	*10,100	7,850											
-13.5 m	kg	*5,480	*5,480	*4,290	*4,290													
(-45 ft)	lb	*12,080	*12,080	*9,460	*9,460													

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(standard equipment) located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.

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