

## 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  
 Radio & USB player  
 Cabin roof-steel cover  
 12 volt power outlet (24V DC to 12V DC converter)

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

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

### Automatic climate control

Air conditioner & heater  
 Defroster

### Self-diagnostics system

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

### Centralized monitoring

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

### Two outside rearview mirrors

### Fully adjustable suspension seat with seat belt

### Pilot-operated slidable joystick

### 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

### 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)

## OPTIONAL EQUIPMENT

### Fuel filler pump (35 L/min)

### Beacon lamp

### 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)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

### Cabin lights

### Cabin front window rain guard

### Sun visor

### Track shoes

Triple grousers shoe (700 mm, 28" )

Triple grousers shoe (800 mm, 32" )

Triple grousers shoe (900 mm, 36" )

Full track rail guard

### Lower frame under cover (Additional)

### Pre-heating system, coolant

### Tool kit

### Operator suit

### Rearview camera

### Seat

Mechanical suspension seat with heater

### Hi-mate (Remote Management System)

### Fuel warmer

### Viscous fan clutch

We build a better future

Robex  
**300LC-9S**  
**300LC-9SH**

With Tier 2 Engine installed



\*Photo may include optional equipment.

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

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



# Pride at Work

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



\*Photo may include optional equipment.

## Robex 300LC-9S 300LC-9SH

### Machine Walk-Around

#### Engine Technology

Easy & Simple Serviceability / 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 valves, 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 / 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  
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 / satellite technology  
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 7 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 9S 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.

## Operator Comfort

In 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system and the radio / USB player.



## Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9S 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 is perfect for listening to music favorites.



## 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.



## 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.





# Precision

Innovative hydraulic system technologies make the 9S 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 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 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 9S

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

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

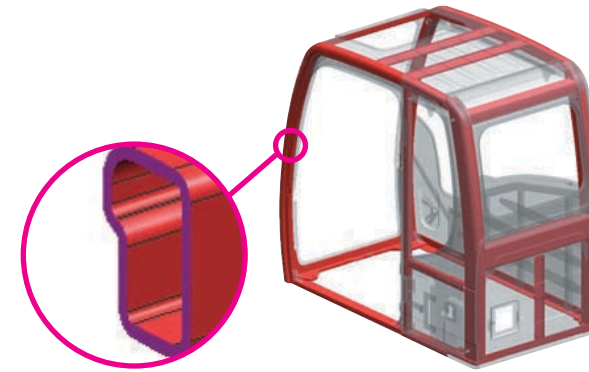


\*Photo may include optional equipment.



## 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 9S 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.

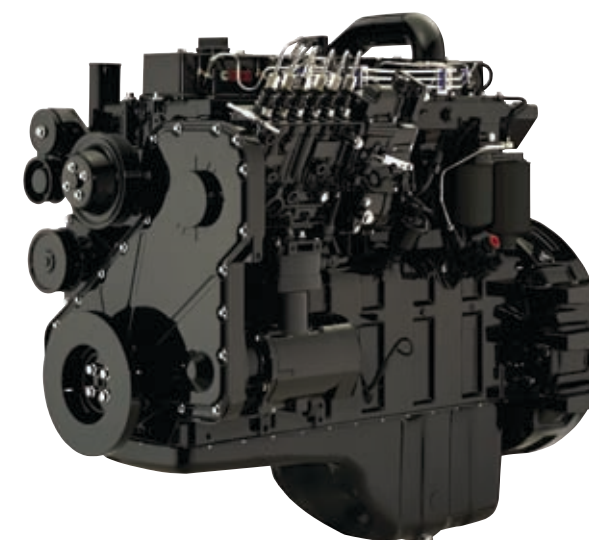
## CUMMINS C8.3-C ENGINE

The six cylinders, turbo-charged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions. This engine meets Tier II emissions regulations.

Go confidently toward your dream.

Toughness. Determination. Perseverance. Vision. Qualities you'll find in Cummins C8.3-C. An engine design so advanced, it doesn't need electronic engine controls in order to meet emissions regulations now and in the future. The C8.3-C from Cummins will do more than just power your equipment.

It will power you to your dreams. And we've got the performance to prove it. When the C Series was introduced over a decade ago, it redefined what a diesel should be, with 40% fewer parts for greater reliability and durability. Integrated water and oil pump connections for reduced leaks and maintenance. An exceptional power-to-weight ratio. And the lowest repair times in the industry.



## HYUNDAI D6AC-C ENGINE

The six cylinders, 4 cycle, turbo-charged, charger air cooled engine is built for power, reliability, economy and low emissions.

Reliability you can depend on.

When you have a tough job to do, you need power precision and flexibility of Hyundai D6AC-C engine. It is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the D6AC-C is built stronger to last longer.

The D6AC-C engine is capable of reaching Tier 2 emission standards without electronic engine controls. It uses durable mechanical IN-LINE fuel injection system. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.





# Profitability

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



\*Photo may include optional equipment.

## Fuel Efficiency

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



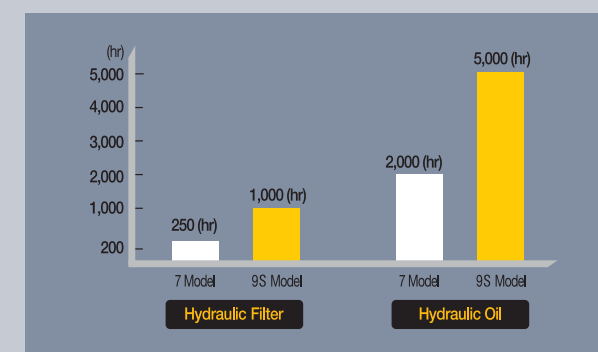
### Hi-mate (Remote Management System)

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 9S Series.



### Extended Life Components

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



# Specifications

## ENGINE / R300LC-9S

MODEL	CUMMINS C8.3-C		
Type	Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled		
Rated flywheel horse power	SAE	J1995 (gross)	263 HP (196 kW) at 1,900 rpm
		J1349 (net)	252 HP (188 kW) at 1,900 rpm
Piston displacement	DIN	6271/1 (gross)	266 PS (196 kW) at 1,900 rpm
		6271/1 (net)	255 PS (188 kW) at 1,900 rpm
Max. torque	124.3kgf-m (899lbf-ft)/1,900rpm		
Bore X stroke	114mm X 135mm (4.49" X 5.31")		
Batteries	2 X 12V X 160AH		
Starting motor	24V, 7.5kW		
Alternator	24V, 70Amp		

## ENGINE / R300LC-9SH

MODEL	HYUNDAI D6AC-C		
Type	Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled		
Rated flywheel horse power	SAE	J1995 (gross)	217 HP (162 kW) at 1,900 rpm
		J1349 (net)	197 HP (147 kW) at 1,900 rpm
Piston displacement	DIN	6271/1 (gross)	220 PS (162 kW) at 1,900 rpm
		6271/1 (net)	200 PS (147 kW) at 1,900 rpm
Max. torque	96.9kgf-m (701lbf-ft)/1,900rpm		
Bore X stroke	130mm X 140mm (5.12" X 5.51")		
Batteries	2 X 12V X 160AH		
Starting motor	24V, 5.5kW		
Alternator	24V, 70Amp		

## HYDRAULIC SYSTEM

MAIN PUMP		
Type	Variable displacement tandem axis piston pumps	
Rated flow	R300LC-9S	2 X 266 L/min (70.3 US gpm/58.5 UK gpm)
	R300LC-9SH	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 <sup>2</sup> (4,980 psi)
Travel	350 kgf/cm <sup>2</sup> (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,400 psi)
Swing circuit	300 kgf/cm <sup>2</sup> (4,270 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

## HYDRAULIC CYLINDERS

No. of cylinder	Boom: 2-140 X1,465 mm (5.5" X 57.7")
bore X stroke	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)	R300LC-9S	5.3 km/hr (3.3mph) / 3.2 km/hr (2.0mph)
	R300LC-9SH	5.9 km/hr (3.7mph) / 3.4 km/hr (2.1mph)
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

## SWING SYSTEM

Swing motor	Fixed displacement axial piston motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake	Multi wet disc	
Swing speed	R300LC-9S	10.7 rpm
	R300LC-9SH	11.5 rpm

## COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal	
Fuel tank	500.0	132.1	110.0	
Engine coolant	50.0	13.2	11.0	
Engine oil	R300LC-9S	25.5	6.7	5.6
	R300LC-9SH	27.3	7.2	6.0
Swing device-gear oil	6.0	1.6	1.3	
Final drive(each)-gear oil	8.0	2.1	1.8	
Hydraulic system(including tank)	330.0	87.2	72.6	
Hydraulic tank	190.0	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 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

## OPERATING WEIGHT (APPROXIMATE)

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

## MAJOR COMPONENT WEIGHT

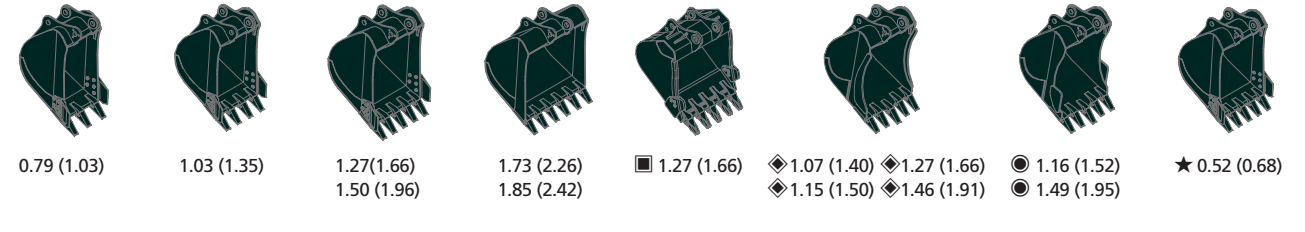
Upperstructure	7,040 kg (15,520 lb)
Boom (with arm cylinder)	2,670 kg (5,900 lb)
Arm (with bucket cylinder)	1,570 kg (3,460 lb)

## OPERATING WEIGHT

Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm <sup>2</sup> (psi)
Triple grouser	600 mm (24")	R300LC-9S	29,700 (65,480) 0.57 (8.11)
		R300NLC-9S	29,500 (65,040) 0.57 (8.11)
		R300LC-9S H/W	32,540 (71,740) 0.62 (8.82)
		R300LC-9SH	29,900 (65,920) 0.57 (8.11)
		R300NLC-9SH	29,700 (65,480) 0.57 (8.11)
		R300LC-9SH H/W	32,740 (72,180) 0.68 (8.96)
	700 mm (28")	R300LC-9S	30,280 (66,760) 0.50 (7.11)
		R300LC-9S H/W	33,120 (73,020) 0.54 (7.68)
		R300LC-9SH	30,480 (67,200) 0.50 (7.11)
		R300LC-9SH H/W	33,320 (73,460) 0.55 (7.82)
		R300LC-9S	30,640 (67,550) 0.44 (6.26)
		R300LC-9S H/W	33,480 (73,810) 0.48 (6.83)
800 mm (32")	R300LC-9SH	30,840 (67,990) 0.44 (6.26)	
	R300LC-9SH H/W	33,680 (74,250) 0.48 (6.83)	
	900 mm (36")	R300LC-9S	31,040(68,430) 0.40 (5.69)
		R300LC-9SH	31,240(68,870) 0.40 (5.69)

## BUCKETS

All buckets are welded with high-strength steel.



Capacity m <sup>3</sup> (yd <sup>3</sup> )	Width mm (in)	Weight kg (lb)	Recommendation mm (ft-in)				
			6,250 (20' 6") Boom				
			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)	890 (35.0)	790 (1,740)	●	●	●	●	-
1.03 (1.35)	1,090 (42.9)	890 (1,960)	●	●	●	●	-
1.27(1.66)	1,290 (50.8)	1,010 (2,230)	●	●	●	■	-
1.50 (1.96)	1,490 (58.7)	1,080 (2,380)	●	●	■	▲	-
1.73 (2.26)	1,700 (66.9)	1,170 (2,580)	■	■	▲	▲	-
1.85 (2.42)	1,800 (70.9)	1,230 (2,710)	■	▲	▲	▲	-
1.27 (1.66)	1,310 (51.6)	1,300 (2,870)	●	●	■	■	-
◆1.07 (1.40)	1,150 (45.3)	1,120 (2,470)	●	●	●	●	-
◆1.15 (1.50)	1,210 (47.6)	1,160 (2,560)	●	●	●	■	-
◆1.27 (1.66)	1,310 (51.6)	1,240 (2,730)	●	●	■	■	-
◆1.46 (1.91)	1,460 (57.5)	1,320 (2,910)	■	■	■	▲	-
●1.16 (1.52)	1,340 (52.8)	1,280 (2,820)	●	●	●	■	-
●1.49 (1.95)	1,620 (63.8)	1,440 (3,170)	■	■	▲	▲	-
★0.52 (0.68)	935 (36.8)	460 (1,010)	-	-	-	-	▲

■ Casting bucket

● Rock-Heavy duty bucket

◆ Heavy duty bucket

★ Long reach bucket

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

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

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

## ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6.25m, 10.20m Booms and 2.1m, 2.5m, 3.05m, 3.75m, 7.85m Arms are available.

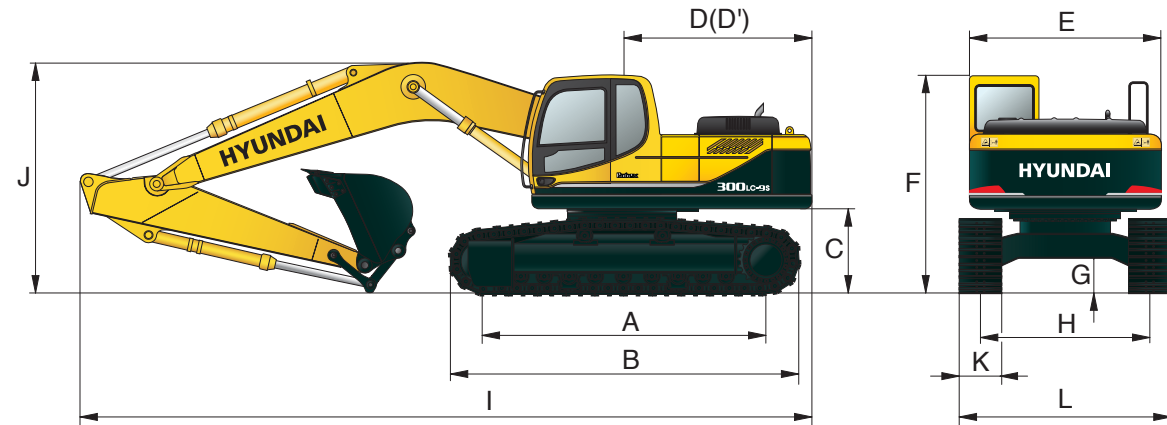
## DIGGING FORCE

Boom	Length	mm (ft-in)	6,250 (20' 6")				10,200 (33' 6")	Remark
			2,670 (5,900)				3,420 (7,540)	
Arm	Length	mm (ft-in)	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
			Weight	Weight	Weight	Weight	Weight	
Bucket digging force	SAE	kN	168.7 [184.0]	168.7 [184.0]	168.7 [184.0]	168.7 [184.0]	70 [76.4]	[ ]: Power Boost
		kgf	17200 [18760]	17200 [18760]	17200 [18760]	17200 [18760]	7100 [7750]	
		lbf	37920 [41370]	37920 [41370]	37920 [41370]	37920 [41370]	15650 [17070]	
	ISO	kN	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	192.2 [209.7]	80 [87.3]	
		kgf	19600 [21380]	19600 [21380]	19600 [21380]	19600 [21380]	8200 [8950]	
		lbf	43210 [47140]	43210 [47140]	43210 [47140]	43210 [47140]	18080 [19720]	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1 [51.4]	
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800 [5240]	
		lbf	40570 [44050]	35270 [38290]	29540 [32070]	25790 [28000]	10580 [11540]	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1 [52.5]	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900 [5350]	
		lbf	42770 [46440]	36820 [39980]	30640 [33270]	26900 [29210]	10800 [11780]	

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

## Dimensions & Working Range

### R300LC-9S (9SH) / R300NLC-9S (9SH) DIMENSIONS

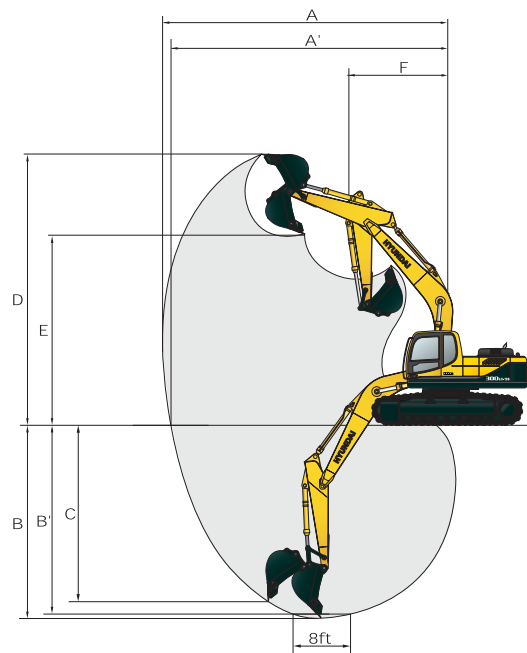


Unit : mm (ft . in)

A Tumbler distance	R300LC-9S	4,030 (13' 3")	Boom length				6,250 (20' 6")	10,200 (33' 6")			
	R300NLC-9	4,030 (13' 3")	Arm length				2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")
B Overall length of crawler		4,940 (16' 2")	I Overall length				10,850 (35' 7")	10,795 (35' 5")	10,705 (35' 1")	10,775 (35' 4")	14,705 (48' 3")
C Ground clearance of counterweight		1,190 (3' 11")	J Overall height of boom				3,290 (10' 10")	3,470 (11' 5")	3,290 (10' 10")	3,500 (11' 6")	3,560 (11' 8")
D Tail swing radius		3,345 (11' 0")	K Track shoe width				600 (24")	700 (28")	800 (32")	900 (36")	
D' Rear-end length		3,265 (10' 9")	L Overall width				R300LC-9S(9SH)	3,200 (10' 6")	3,300 (10' 10")	3,400 (11' 2")	3,500 (11' 6")
E Overall width of upperstructure		2,980 (9' 9")	R300NLC-9S(9SH)				2,990 (9' 10")	-	-	-	
F Overall height of cab		3,010 (9' 11")									
G Min. ground clearance		500 (1' 8")									
H Track gauge	R300LC-9S	2,600 (8' 6")									
	R300NLC-9S	2,390 (7' 10")									

### R300LC-9S (9SH) / R300NLC-9S (9SH) WORKING RANGE

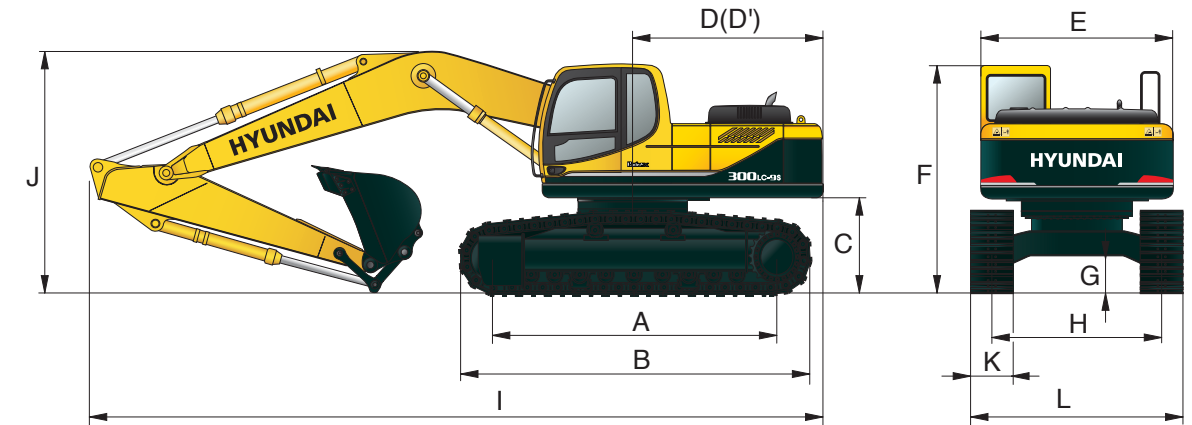
Unit : mm (ft . in)



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' 7")	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' 1")	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")	4,140 (13' 7")	6,250 (20' 6")

## Dimensions & Working Range

### R300LC-9S / 9SH HIGH WALKER DIMENSIONS

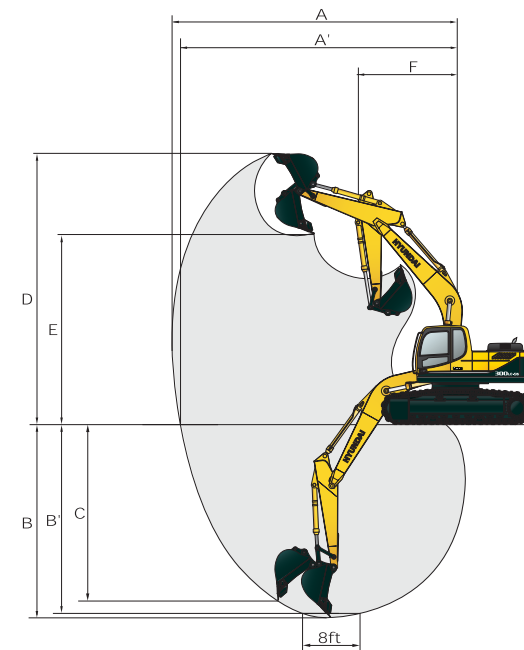


Unit : mm (ft . in)

A Tumbler distance	R300LC-9S	4,030 (13' 3")	Boom length				6,250 (20' 6")			
	R300NLC-9	4,030 (13' 3")	Arm length				2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
B Overall length of crawler		4,950 (16' 3")	I Overall length				10,835 (35' 7")	10,755 (35' 3")	10,575 (34' 8")	10,675 (35' 0")
C Ground clearance of counterweight		1,500 (4' 11")	J Overall height of boom				3,350 (11' 0")	3,590 (11' 9")	3,350 (11' 0")	3,510 (11' 6")
D Tail swing radius		3,200 (10' 6")	K Track shoe width				600 (24")	700 (28")	800 (32")	
D' Rear-end length		3,120 (10' 3")	L Overall width				R300LC-9S(9SH)	3,470 (11' 5")	3,570 (11' 9")	3,670 (12' 0")
E Overall width of upperstructure		2,980 (9' 9")	R300NLC-9S(9SH)				2,990 (9' 10")	-	-	-
F Overall height of cab		3,380 (11' 1")								
G Min. ground clearance		765 (2' 6")								
H Track gauge		2,870 (9' 5")								

### R300LC-9S / 9SH 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' 7")	10,790 (35' 5")	11,400 (37' 5")
A' Max. digging reach on ground	9,750 (32' 0")	10,020 (32' 10")	10,530 (34' 7")	11,160 (36' 7")
B Max. digging depth	6,140 (20' 2")	6,540 (21' 5")	7,090 (23' 3")	7,790 (25' 7")
B' Max. digging depth (8' level)	5,930 (19' 5")	6,330 (20' 9")	6,910 (22' 8")	7,630 (25' 0")
C Max. vertical wall digging depth	5,700 (18' 8")	5,560 (18' 3")	6,090 (20' 0")	6,790 (22' 3")
D Max. digging height	10,370 (34' 0")	10,220 (33' 6")	10,440 (34' 3")	10,660 (35' 0")
E Max. dumping height	7,240 (23' 9")	7,170 (23' 6")	7,400 (24' 3")	7,610 (25' 0")
F Min. swing radius	4,380 (14' 4")	4,260 (14' 0")	4,230 (13' 11")	4,140 (13' 7")



# Lifting Capacity

## R300LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb					*6200 *13670	*6200 *13670			*5710 *12590	4600 10140	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4980 10980	*5810 *12810	3680 8110	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	7110 15670	*6700 *14770	4850 10690	5310 11710	3210 7080	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	10260 22620	*8910 *19640	6640 14640	*7330 *16160	4630 10210	5020 11070	3000 6610	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	9550 21050	*10090 *22240	6240 13760	7390 16290	4430 9770	5010 11050	2970 6550	9.58 (31.4)
Ground	kg lb			*15120 *33330	9340 20590	*10330 *22770	6010 13250	7230 15940	4290 9460	5290 11660	3150 6940	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	9360 20640	10250 22600	5950 13120	7200 15870	4260 9390	6010 13250	3600 7940	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	*18890 *41650	*13670 *30140	9540 21030	*10170 *22420	6050 13340			*6670 *14700	4620 10190	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	9950 21940							

Boom : 6.25m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb										*5240 *11550	4330 9550	8.34 (27.4)	
6.0 m (20 ft)	kg lb							*5870 *12940	5060 11160	*5400 *11900	3500 7720	9.19 (30.2)		
4.5 m (15 ft)	kg lb			*8760 *19310	*8760 *19310	*7090 *15630	*7090 *15630	*6310 *13910	4890 10780	5070 11180	3060 6750	9.69 (31.8)		
3.0 m (10 ft)	kg lb			*11680 *25750	10460 23060	*8460 *18650	6700 14770	*7000 *15430	4650 10250	4790 10560	2850 6280	9.90 (32.5)		
1.5 m (5 ft)	kg lb			*13960 *30780	9630 21230	*9730 *21450	6260 13800	7380 16270	4420 9740	4770 10520	2810 6190	9.84 (32.3)		
Ground	kg lb			*14930 *32910	9290 20480	*10300 *22710	5980 13180	7200 15870	4250 9370	5010 11050	2950 6500	9.51 (31.2)		
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	9240 20370	10180 22440	5880 12960	7130 15720	4190 9240	3340 7360	8.87 (29.1)	
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	19740 43520	*14040 *30950	9380 20680	10240 22580	5930 13070	*6780 *14950	4190 9240	7.82 (25.7)		
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	9720 21430							

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.

# Lifting Capacity

## R300LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb																*4780 *10540	3820 8420	8.94 (29.3)					
6.0 m (20 ft)	kg lb												*5270 *11620	5150 11350			*4940 *10890	3140 6920	9.74 (32.0)					
4.5 m (15 ft)	kg lb											*6380 *14070	*6380 *14070	*5780 *12740	4950 10910			4630 10210	2760 6080	10.20 (33.5)				
3.0 m (10 ft)	kg lb											*10490 *23130	*10490 *23130	*10510 *23170	*10510 *23170	*7800 *17200	6780 14950	*6530 *14400	4670 10300	*4420 *9740	3350 7390	2570 5670	10.40 (34.1)	
1.5 m (5 ft)	kg lb											*13100 *28880	9770 21540	*9190 *20260	6290 13870	*7320 *16140	4410 9720	*5230 *11530	3210 7080	4350 9590	2530 5580	10.35 (34.0)		
Ground	kg lb											*10140 *22350	*10140 *22350	*14530 *32030	9270 20440	*10220 *22530	5950 13120	7150 15760	4200 9260	*4600 *10140	3110 6860	4540 10010	2640 5820	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	9110 20080	10080 22220	5780 12740	7030 15500	4090 9020													
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	*19250 *42440	*14380 *31700	9170 20220	10080 22220	5780 12740	7050 15540	4110 9060													
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	*18400 *40570	*18280 *28260	9430 20790	9370 20790	5960 13140															

Boom : 6.25m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb																							
6.0 m (20 ft)	kg lb																							
4.5 m (15 ft)	kg lb																							
3.0 m (10 ft)	kg lb																							
1.5 m (5 ft)	kg lb																							
Ground	kg lb																							
-1.5 m (-5 ft)	kg lb																							
-3.0 m (-10 ft)	kg lb																							
-4.5 m (-15 ft)	kg lb																							

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.



# Lifting Capacity

## R300NLC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb					*6200 *13670	*6200 *13670			*5710 *12590	4150 9150	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4490 9900	*5810 *12810	3300 7280	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	6410 14130	*6700 *14770	4360 9610	5270 11620	2860 6310	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	9130 20130	*8910 *19640	5950 13120	*7330 *16160	4150 9150	4980 10980	2660 5860	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	8450 18630	*10090 *22240	5560 12260	7330 16160	3940 8690	4970 10960	2630 5800	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	8240 18170	10250 22600	5340 11770	7180 15830	3810 8400	5250 11570	2790 6150	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	8260 18210	10180 22440	5280 11640	7140 15740	3780 8330	5960 13140	3200 7050	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	17360 38270	*13670 *30140	8430 18580	*10170 *22420	5380 11860			*6670 *14700	4130 9110	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	8830 19470							

Boom : 6.25m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb											*5240 *11550	3900 8600	8.34 (27.4)
6.0 m (20 ft)	kg lb							*5870 *12940	4560 10050	*5400 *11900	3130 6900	9.19 (30.2)		
4.5 m (15 ft)	kg lb			*8760 *19310	*8760 *19310	*7090 *15630	6500 14330	*6310 *13910	4400 9700	5030 11090	2720 6000	9.69 (31.8)		
3.0 m (10 ft)	kg lb			*11680 *25750	9320 20550	*8460 *18650	6010 13250	*7000 *15430	4160 9170	4750 10470	2520 5560	9.90 (32.5)		
1.5 m (5 ft)	kg lb			*13960 *30780	8520 18780	*9730 *21450	5580 12300	7330 16160	3930 8660	4730 10430	2480 5470	9.84 (32.3)		
Ground Line	kg lb			*14930 *32910	8190 18060	10220 22530	5310 11710	7140 15740	3770 8310	4960 10930	2610 5750	9.51 (31.2)		
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	8140 17950	10100 22270	5210 11490	7070 15590	3710 8180	5570 12280	2960 6530	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	17010 37500	*14040 *30950	8280 18250	10170 22420	5260 11600	*6780 *14950	3740 8250	7.82 (25.7)		
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	8600 18960							

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.

# Lifting Capacity

## R300NLC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb														*4780 *10540	3430 7560	8.94 (29.3)							
6.0 m (20 ft)	kg lb											*5270 *11620	4650 10250		*4940 *10890	2800 6170	9.74 (32.0)							
4.5 m (15 ft)	kg lb										*6380 *14070	*6380 *14070	*5780 *12740	4450 9810		4600 10140	2450 5400	10.20 (33.5)						
3.0 m (10 ft)	kg lb										*10490 *23130	*10490 *23130	*10510 *23170	9590 21140	*7800 *17200	6090 13430	*6530 *14400	4190 9240	*4420 *9740	2970 6550	9.40 (34.1)			
1.5 m (5 ft)	kg lb											*13100 *28880	8650 19070	*9190 *20260	5610 12370	*7320 *16140	3920 8640	*5230 *11530	2840 6260	4320 9520	2220 4890	10.35 (34.0)		
Ground Line	kg lb											*10140 *22350	*10140 *22350	*14530 *32030	8160 17990	10190 22470	5270 11620	7100 15650	3720 8200	*4600 *10140	2740 6040	4500 9920	2310 5090	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	8010 17660	10000 22050	5110 11270	6980 15390	3610 7960													
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	16590 36570	*14380 *31700	8070 17790	10000 22050	5110 11270	7000 15430	3630 8000													
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	17090 37680	*12820 *28260	8320 18340	9370 *20660	5290 11660															

Boom : 6.25m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m<sup>3</sup> (1.66 yd<sup>3</sup>) 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 (25 ft)	kg lb														*4230 *9330	2940 6480	9.67 (31.7)										
6.0 m (20 ft)	kg lb														*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2430 5360	10.40 (34.1)						
4.5 m (15 ft)	kg lb														*5050 *11130	4540 10010	*3970 *8750	3150 6940	4120 9080	2140 4720	10.83 (35.5)						
3.0 m (10 ft)	kg lb														*14430 *31810	*14430 *31810	*8910 *19640	*8910 *19640	*6870 *15150	6260 13800	*5870 *12940	4250 9370	*5060 *11160	2990 6590	3910 8620	1980 4370	11.02 (36.2)
1.5 m (5 ft)	kg lb														*10550 *23260	*10550 *23260	*11820 *26060	8950 19730	*8410 *18540	5720 12610	*6760 *14900	3950 8710	5400 11900	2830 6240	3870 8530	1930 4250	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	8260 18210	*9670 *21320	5310 11710	7090 15630	3710 8180	5250 11570	2690 5930	4000 8820	1990 4390												
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	7960 17550	9960 21960	5070 11180	3550 7830	5150 11350	2610 5750	4360 9610	2200 4850	10.12 (33.2)												
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	16210 35740	*14640 *32280	7910 17440	9870 21760	4990 11000	6860 15120	3500 7720																
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	16600 36600	*13660 *30120	8060 17770	9970 21980	5070 11180																		

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (\*) indicates the load limited by hydraulic capacity.



