

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
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
Two outside rearview mirrors
Fully adjustable suspension seat with seat belt
Pilot-operated slidable joystick
Four front working lights (2 boom mounted, 2 front frame mounted)
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)
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
6.25 m HD
10.2 m Long reach
Arms
2.1 m
2.5 m
3.05 m
3.05 m HD
3.75 m
7.85 m Long reach
Cabin FOPS/FOG (ISO/DIS 10262 Level II)
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin guard-front
Wire net
Fine net
Cabin ROPS(ISO 12117-2)
ROPS (Roll Over Protective Structure)
*R220LC-9S/220-9S, R300LC-9S, R330LC-9S Only
Cabin lights
Cabin front window rain guard
Sun visor
Track shoes
Double grousers shoe 700 mm
Triple grousers shoe 700 mm
Triple grousers shoe 800 mm
Triple grousers shoe 900 mm
Full track rail guard
Lower frame under cover (Additional)
Pre-heating system, coolant
Rearview camera
Seat
Mechanical suspension seat with heater
Hi-MATE (Remote Management System)
Fuel warmer
Air compressor
Rear work lamp
Precleaner
4-Pattern change
Semi-auto greasing system
Counterweight
4.6 ton
5.2 ton
7.0 ton (only for Long Reach application)

* 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

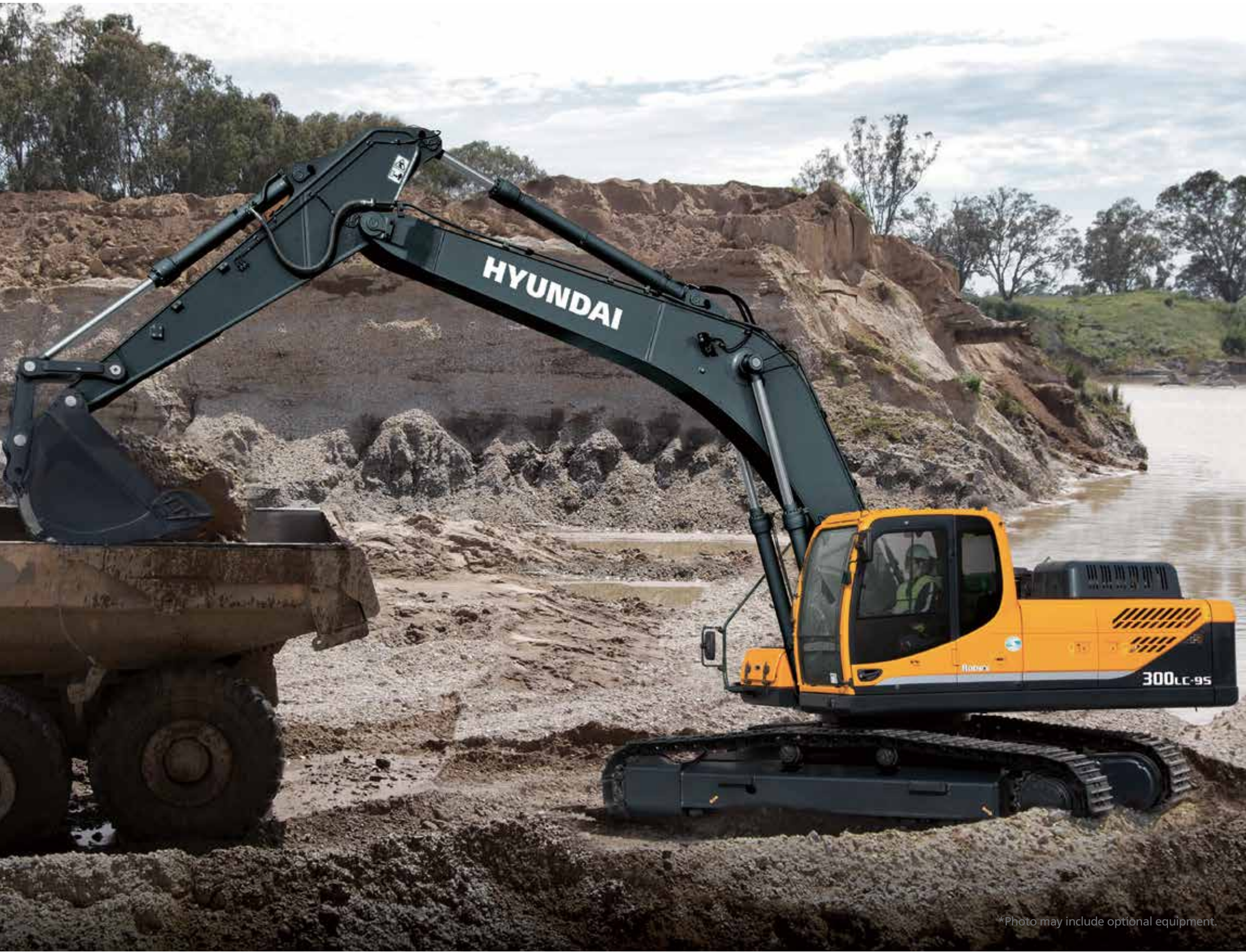
 **HYUNDAI CONSTRUCTION EQUIPMENT**
Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea



*Photo may include optional 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 Hyundai!



*Photo may include optional equipment.

Robex 300LC-9S

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 valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock, arm regeneration cut

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
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.

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 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.



*Photo may include optional equipment.

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.

HYUNDAI HM8.3

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

A More Reliable Way To Reach Your Dream.

Bosch in-line fuel pump delivers higher injection pressures for cleaner combustion and gives the operator option of using lowlubricity fuels. Holset HX40 turbocharger optimizes operation across the torque curve using the wastegate turbo, for excellent low-end torque. Unitized block design results in 40% fewer part than traditional diesels, with fewer joints and simplified maintenance. Resistive grid heating preheats intake air electically to enhance startability. Dual ni-resist pistons minimize oil consumption and increase power and durability.



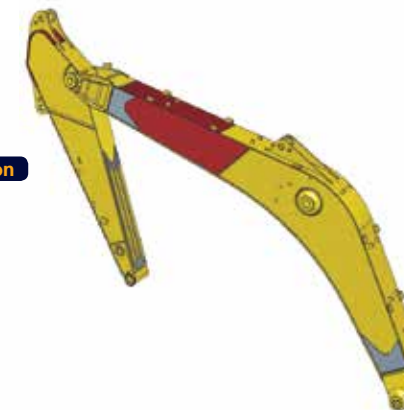
Heavy Duty, Rock bucket **Option**

Hardox 400 material applied buckets ensure consistent performance in hard working.



Heavy Duty Boom & Arm **Option**

ensure consistent performance in hard working.



Structure Strength

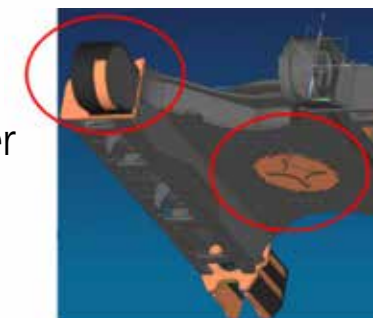
The 9S Series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis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

Reinforced Cabin **Option**

R.O.P.S standard(ISO 12117-2) certified cabin

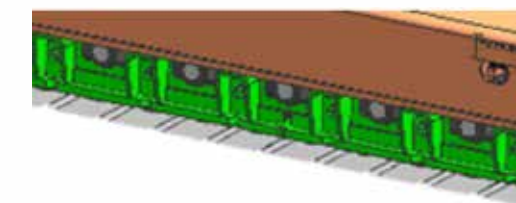
Heavy Duty Lower Frame Cover

protects track and components with reinforced covers.



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.



Full Track Guard **Option**

protects chain and rollers especailly in heavy duty working condition.

*Photo may include optional equipment.

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 two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



Hi-MATE (Remote Management System)

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



Easy Access

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



Long-Life Components

9S 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 / R300LC-9S

MAKER / MODEL	HYUNDAI HM 8.3
Type	Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled
Engine Power	248 HP at 2,200 rpm
Max. torque	124.3kgf·m at 1,300rpm
Bore X stroke	114mm X 135mm
Piston displacement	8,290cc
Batteries	2 X 12V X 160AH
Starting motor	24V, 7.2kW
Alternator	24V, 70Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Rated flow	2 X 252 L /min
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
Travel	350 kgf/cm ²
Power boost (boom, arm, bucket)	380 kgf/cm ²
Swing circuit	300 kgf/cm ²
Pilot circuit	40 kgf/cm ²
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-140 X1,465 mm Arm: 1-150 X 1,765 mm Bucket: 1-135 X 1,185 mm

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
Max. travel speed (high) / (low)	6.0 km/hr / 3.4 km/hr
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	11.6 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter
Fuel tank	500.0
Engine coolant	35
Engine oil	26.5
Swing device-gear oil	6.0 (11)
Final drive(each)-gear oil	8.0
Hydraulic system(including tank)	330.0
Hydraulic tank	190.0

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 boom, 3,050mm arm, SAE heaped 1.27m³ bucket, lubricant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	7,040 kg
Boom (with arm cylinder)	2,670 kg
Arm (with bucket cylinder)	1,570 kg

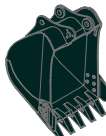
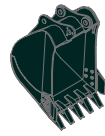
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width (mm)	(kg)	kgf/cm ²
Triple grouser	600 mm	R300LC-9S	29,700
		R300NLC-9S	29,500
		R300LC-9S H/W	32,540
	700 mm	R300LC-9S	30,280
		R300LC-9S H/W	33,120
		R300LC-9S	30,860
	800 mm	R300LC-9S H/W	33,700
		R300LC-9S	31,440
Double grouser	700 mm	R300LC-9S H/W	34,020

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.8kg refrigerant consisting of a CO2 equivalent 1.14kg metric tonne. For more information, Please refer to the manual.

BUCKETS

All buckets are welded with high-strength steel.

									
SAE heaped m ³		1.27 1.50		1.73 1.85		◆ 1.27 ◆ 1.46		● 1.16 ● 1.33 ● 1.49	
★ 0.52									

Capacity m ³ (yd ³)				Width mm (in)		Weight kg (lb)		Tooth EA	Recommendation mm(ft-in)					
SAE heaped		CECE heaped							6,250	6,250	6,250	6250HD	6,250	10,200
									(20' 6") Boom	(20' 6") Boom	(20' 6") Boom	(20' 6") Boom	(20' 6") Boom	(3' 4") Boom
									2,100	2,500	3,050	3050HD	3,750	7,850
									(6' 11") Arm	(8' 2") Arm	(10' 0") Arm	(10' 0") Arm	(12' 4") Arm	(25' 9") Arm
1.27	(1.66)	1.10	(1.44)	1,290	(50.8")	1,010	(2,230)	5	●	●	⦿	⦿	■	-
1.50	(1.96)	1.30	(1.70)	1,490	(58.7")	1,080	(2,380)	5	⦿	⦿	■	■	▲	
1.73	(2.26)	1.50	(1.96)	1,700	(66.9")	1,170	(2,580)	6	■	■	▲	▲	▲	
1.85	(1.20)	1.60	(1.05)	1,800	(45.3")	1,230	(1,700)	6	■	▲	▲	▲	x	
◆ 1.27	(1.44)	1.10	(1.26)	1,310	(52.0")	1,240	(1,830)	5	●	●	⦿	⦿	■	
◆ 1.46	(1.57)	1.28	(1.31)	1,460	(55.1")	1,320	(1,870)	5	⦿	⦿	■	■	▲	
● 1.16	(1.75)	1.00	(1.50)	1,340	(61.0")	1,280	(2,030)	5	●	●	⦿	●	-	
● 1.49	(1.18)	1.28	(1.05)	1,620	(43.1")	1,440	(1,790)	5	⦿	■	■	■		
● 1.33	(1.37)	1.16	(1.20)	1,420	(50.8")	1,470	(1,960)	5	⦿	⦿	■	■		
★ 0.52	(1.14)	0.45	(0.98)	935	(44.9")	460	(1,980)	5	-	-	-	-	-	■

◆ Heavy duty bucket

● Rock-Heavy duty bucket

★ Long reach bucket

● : Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less

⊙ : Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less

■ : Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less

▲ : Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less

x : Not Recommended

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

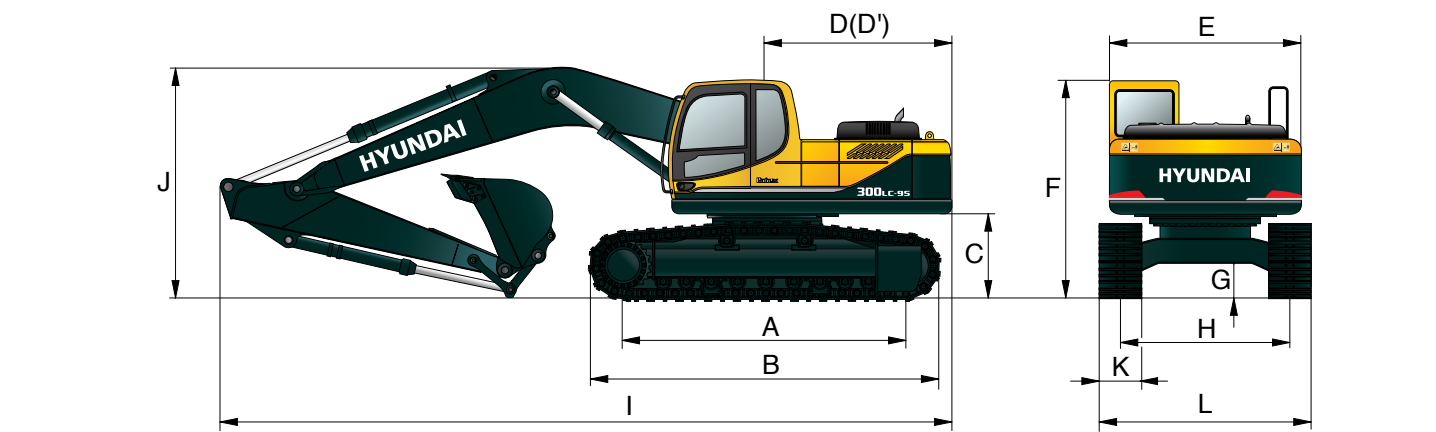
Boom	Length	mm	6,250 / 6,250 HD				10,200	Remark
	Weight	kg	2,780 / 2,860				3,530	
Arm	Length	mm	2,100	2,500	3,050 / 3,050HD	3,750	7,850	
	Weight	kg	1,345	1,430	1,545 / 1,655	1,675	1,685	[]: Power Boost
Bucket digging force	SAE	kN	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	70	
		kgf	17200 [18670]	17200 [18670]	17200 [18670]	17200 [18670]	7100	
	ISO	kN	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	80	
		kgf	19600 [21280]	19600 [21280]	19600 [21280]	19600 [21280]	8200	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1	
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900	

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

Arm weight includes bucket cylinder, linkage, and pin

Dimensions & Working Range

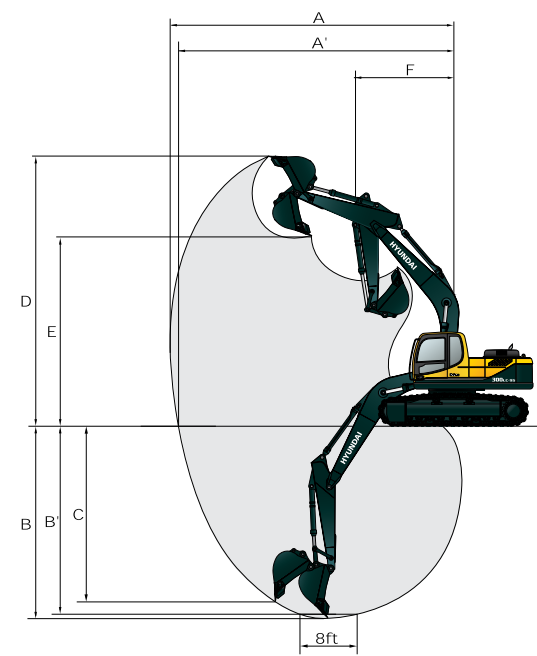
R300LC-9S DIMENSIONS



Unit : mm

A	Tumbler distance	4,030	Boom length	6,250	10,200
B	Overall length of crawler	4,940	Arm length	2,1002,5003,0503,750	7,850
C	Ground clearance of counterweight	1,190	I	Overall length	10,85010,79510,70510,77514,705
D	Tail swing radius	3,345	J	Overall height of boom	3,5903,4703,2903,5003,560
D'	Rear-end length	3,265	K	Track shoe width	600700800900
E	Overall width of upperstructure	2,980	L	Overall width	3,2003,3003,4003,500
F	Overall height of cab	3,010			
G	Min. ground clearance	500			
H	Track gauge	2,600			

R300LC-9S WORKING RANGE

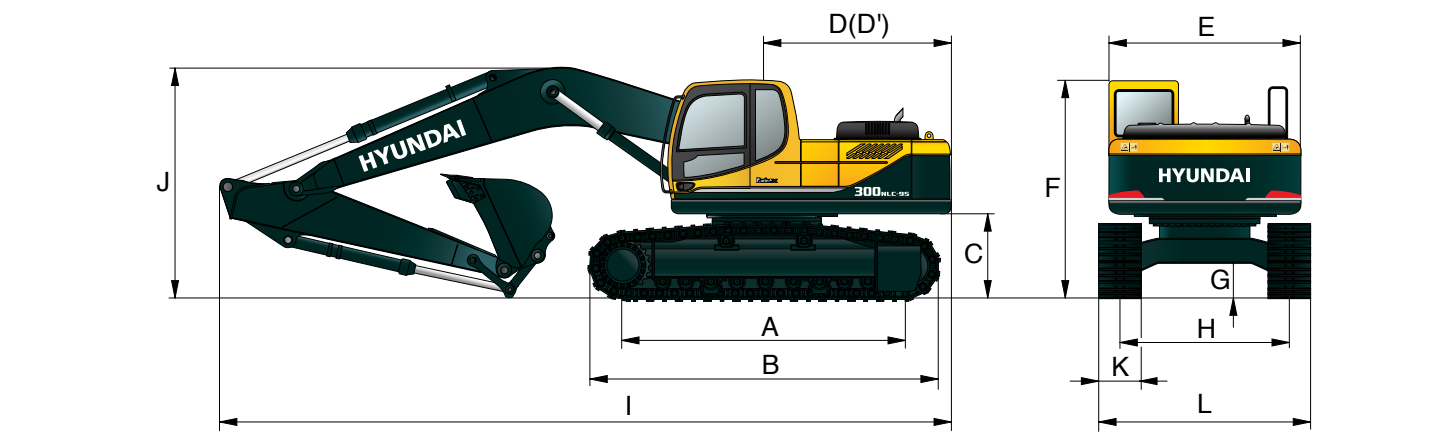


Unit : mm

Boom length	6,250	10,200
Arm length	2,1002,5003,0503,750	7,850
A	Max. digging reach	10,02010,28010,82011,40018,510
A'	Max. digging reach on ground	9,82010,08010,62011,22018,400
B	Max. digging depth	6,4406,8407,3908,09014,820
B'	Max. digging depth (8' level)	6,2406,6307,2007,92014,690
C	Max. vertical wall digging depth	6,0005,8506,3807,08012,020
D	Max. digging height	10,07010,11010,16010,36014,500
E	Max. dumping height	6,9407,0307,1107,31012,190
F	Min. swing radius	4,3804,2604,2304,1906,250

Dimensions & Working Range

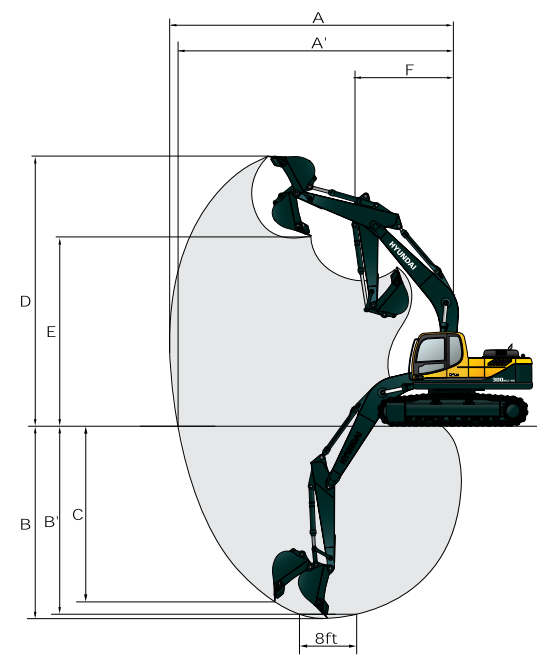
R300NLC-9S DIMENSIONS



Unit : mm

A	Tumbler distance	4,030	Boom length	6,250				
B	Overall length of crawler	4,940	Arm length	2,100	2,500	3,050	3,750	
C	Ground clearance of counterweight	1,190	I	Overall length	10,850	10,795	10,705	10,775
D	Tail swing radius	3,345	J	Overall height of boom	3,590	3,470	3,290	3,500
D'	Rear-end length	3,265	K	Track shoe width	600			
E	Overall width of upperstructure	2,980	L	Overall width	2,990			
F	Overall height of cab	3,010						
G	Min. ground clearance	500						
H	Track gauge	2,390						

R300NLC-9S WORKING RANGE

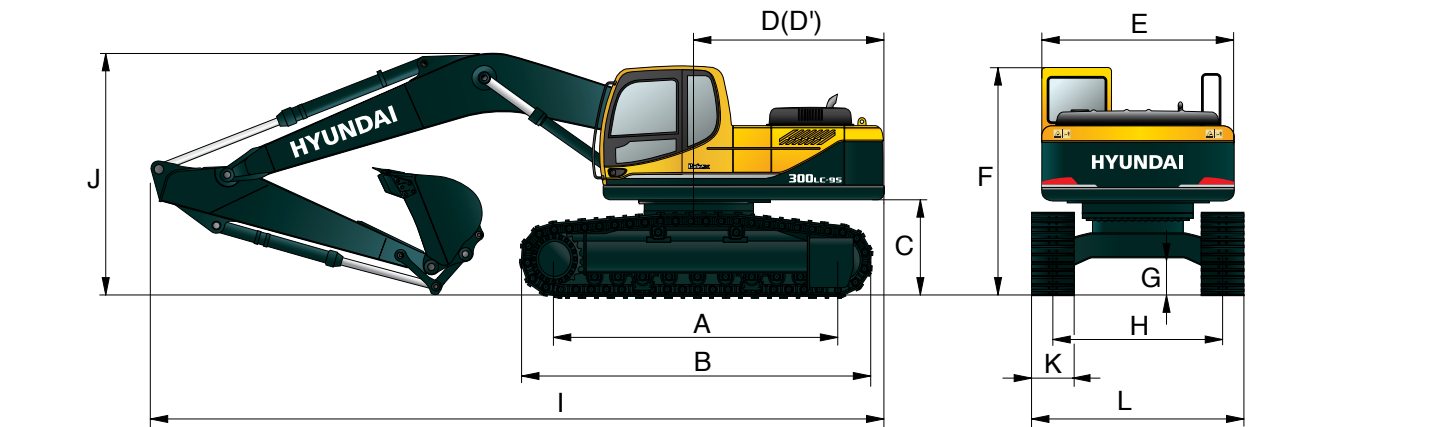


Unit : mm

Boom length	6,250			
Arm length	2,100	2,500	3,050	3,750
A Max. digging reach	10,020	10,280	10,820	11,400
A' Max. digging reach on ground	9,820	10,080	10,620	11,220
B Max. digging depth	6440	6,840	7,390	8,090
B' Max. digging depth (8' level)	6,240	6,630	7,200	7,920
C Max. vertical wall digging depth	6,000	5,850	6,380	7,080
D Max. digging height	10,070	10,110	10,160	10,360
E Max. dumping height	6,940	7,030	7,110	7,310
F Min. swing radius	4,380	4,260	4,230	4,190

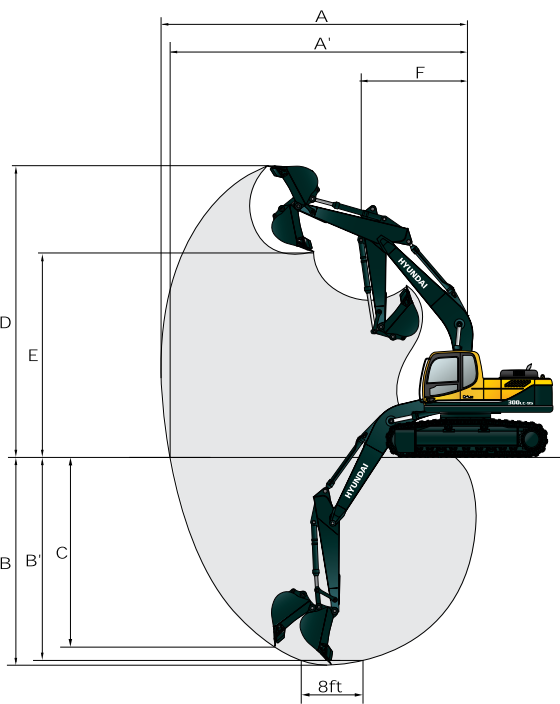
Dimensions & Working Range

R300LC-9S HIGH WALKER DIMENSIONS



Unit : mm									
A	Tumbler distance	4,030	Boom length	6,250				10,200	
B	Overall length of crawler	4,950	Arm length	2,100	2,500	3,050	3,750	7,850	
C	Ground clearance of counterweight	1,500	I	Overall length	10,835	10,755	10,575	10,675	14,595
D	Tail swing radius	3,345	J	Overall height of boom	3,740	3,590	3,350	3,510	3,560
D'	Rear-end length	3,265							
E	Overall width of upperstructure	2,980	Track shoe (type)		Triple grouser				Double grouser
F	Overall height of cab	3,380	K		Track shoe width	600	700	800	700
G	Min. ground clearance	765	L		Overall width	3,470	3,570	3,670	3,570
H	Track gauge	2,870							

R300LC-9S HIGH WALKER WORKING RANGE



Unit : mm					
Boom length	6,250				10,200
Arm length	2,100	2,500	3,050	3,750	7,850
A Max. digging reach	10,020	10,280	10,790	11,400	18,510
A' Max. digging reach on ground	9,750	10,020	10,530	11,160	18,360
B Max. digging depth	6,140	6,540	7,090	7,790	14,510
B' Max. digging depth (8' level)	5,930	6,330	6,910	7,630	14,380
C Max. vertical wall digging depth	5,700	5,560	6,090	6,790	11,710
D Max. digging height	10,370	10,220	10,440	10,660	14,730
E Max. dumping height	7,240	7,170	7,400	7,610	12,500
F Min. swing radius	4,380	4,260	4,230	4,190	6,250

Lifting Capacity

R300NLC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m / Arm : 2.10 m / Bucket : 1.27 m³ SAE heaped / Shoe : 600mm triple grouser / CWT : 4.6 ton

Load point height (m)		Load radius								At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
												(m)
7.5 m	kg					*6,200	*6,200			*5,710	4,600	8.01
6.0 m	kg					*6,560	*6,560	*6,370	4,980	*5,810	3,680	8.90
4.5 m	kg			*9,620	*9,620	*7,590	7,110	*6,700	4,850	5,310	3,210	9.42
3.0 m	kg			*12,550	10,260	*8,910	6,640	*7,330	4,630	5,020	3,000	9.64
1.5 m	kg			*14,540	9,550	*10,090	6,240	7,390	4,430	5,010	2,970	9.58
Ground Line	kg			*15,120	9,340	10,330	6,010	7,230	4,290	5,290	3,150	9.23
-1.5 m	kg	*14,250	*14,250	*14,810	9,360	10,250	5,950	7,200	4,260	6,010	3,600	8.57
-3.0 m	kg	*18,890	*18,890	*13,670	9,540	*10,170	6,050			*6,670	4,620	7.47
-4.5 m	kg	*15,250	*15,250	*11,130	9,950							

Boom : 6.25m / Arm : 2.50 m / Bucket : 1.27 m³ SAE heaped / Shoe : 600mm triple grouser / CWT : 4.6 ton

Load point height (m)		Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
														(m)
7.5 m	kg											*5,240	4,330	8.34
6.0 m	kg									*5,870	5,060	*5,400	3,500	9.19
4.5 m	kg					*8,760	*8,760	*7,090	*7,090	*6,310	4,890	5,070	3,060	9.69
3.0 m	kg					*11,680	10,460	*8,460	6,700	*7,000	4,650	4,790	2,850	9.90
1.5 m	kg					*13,960	9,630	*9,730	6,260	7,380	4,420	4,770	2,810	9.84
Ground Line	kg					*14,930	9,290	10,300	5,980	7,200	4,250	5,010	2,950	9.51
-1.5 m	kg			*15,220	*15,220	*14,910	9,240	10,180	5,880	7,130	4,190	5,620	3,340	8.87
-3.0 m	kg	*17,240	*17,240	*20,000	19,740	*14,040	9,380	10,240	5,930			*6,780	419	7.82
-4.5 m	kg			*16,720	*16,720	*11,970	9,720							

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 / CWT : 4.6 ton

Lift-point height (m/ft)		Lift-point radius												At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		9.0m (29.5ft)		Capacity		Reach
																m(ft)
7.5m	kg									*3,210	*3,210			*3,080	*3,080	7.53
24.6ft	lb									*7,080	*7,080			*6,790	*6,790	(24.7)
6.0m	kg									*5,320	4,840			*3,010	*3,010	8.43
19.7ft	lb									*11,730	10,670			*6,640	*6,640	(27.7)
4.5m	kg							*6,500	*6,500	*5,860	4,640			*3,070	*3,070	8.99
14.8ft	lb							*14,330	*14,330	*12,920	10,230			*6,770	*6,770	(29.5)
3.0m	kg					*10,790	10,080	*7,940	6,370	*6,620	4,380	*4,690	3,120	*3,270	2,940	9.27
9.8ft	lb					*23,790	22,220	*17,500	14,040	*14,590	9,660	*10,340	6,880	*7,210	6,480	(30.4)
1.5m	kg					*13,360	9,140	*9,340	5,890	7,050	4,120	5,190	2,990	*3,630	2,820	9.29
4.9ft	lb					*29,450	20,150	*20,590	12,990	15,540	9,080	11,440	6,590	*8,000	6,220	(30.5)
Ground	kg			*7,570	*7,570	*14,720	8,680	9,830	5,570	6830	3,920	*4,800	2,900	*4,230	2,860	9.07
Line	lb			*16,690	*16,690	*32,450	19,140	21,670	12,280	15,,060	8,640	*10,580	6,390	*9,330	6,310	(29.8)
-1.5m	kg	*8,370	*8,370	*11,870	*11,870	*15,030	8,550	9,660	5,420	6,730	3,830			*5,260	3,100	8.58
-4.9ft	lb	*18,450	*18,450	*26,170	*26,170	*33,140	18,850	21,300	11,950	14,840	8,440			*11,600	6,830	(28.1)
-3.0m	kg	*12,470	*12,470	*17,110	*17,110	*14,460	8,640	9,680	5,440	6,770	3,860			6,430	3,680	7.76
-9.8ft	lb	*27,490	*27,490	*37,720	*37,720	*31,880	19,050	21,340	11,990	14,930	8,510			14,180	8,110	(25.5)
-4.5m	kg	*17,340	*17,340	*18,390	*18,390	*12,820	8,920	*9,360	5,640					*8,390	5,010	6.49
-14.8ft	lb	*38,230	*38,230	*40,540	*40,540	*28,260	19,670	*20,640	12,430					*18,500	11,050	(21.3)
-6.0m	kg													*9,150	*9,150	4.39
-19.7ft	lb													*20,170	*20,170	(14.4)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates 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 m³ (1.66 yd³) SAE heaped / Shoe : 600mm (24") triple grouser / CWT : 5.2 ton																
Lift-point height (m/ft)		Lift-point radius												At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		9.0m (29.5ft)		Capacity		Reach
																m(ft)
7.5m	kg									*3,250	*3,250			*3,040	*3,040	7.56
24.6ft	lb									*7,170	*7,170			*6,700	*6,700	(24.8)
6.0m	kg									*5,210	5,090			*2,960	*2,960	8.45
19.7ft	lb									*11,490	11,220			*6,530	*6,530	(27.7)
4.5m	kg							*6,360	*6,360	*5,730	4,870	*3,070	*3,070	*3,020	*3,020	9.01
14.8ft	lb							*14,020	*14,020	*12,630	10,740	*6,770	*6,770	*6,660	*6,660	(29.6)
3.0m	kg					*10,570	10,560	*7,780	6,680	*6,480	4,590	*4,710	3,280	*3,210	3,080	9.29
9.8ft	lb					*23,300	23,280	*17,150	14,730	*14,290	10,120	*10,380	7,230	*7,080	6,790	(30.5)
1.5m	kg					*13,110	9,570	*9,160	6,170	*7,260	4,320	5,420	3,140	*3,560	2,950	9.31
4.9ft	lb					*28,900	21,100	*20,190	13,600	*16,010	9,520	11,950	6,920	*7,850	6,500	(30.6)
Ground	kg			*7,520	*7,520	*14,470	9,080	*10,160	5,830	7,120	4,110	*4,880	3,040	*4,140	2,990	9.09
Line	lb			*16,580	*16,580	*31,900	20,020	*22,400	12,850	15,700	9,060	*10,760	6,700	*9,130	6,590	(29.8)
-1.5m	kg	*8,370	*8,370	*11,790	*11,790	*14,780	8,940	10,050	5,670	7,000	4,010			*5,150	3,240	8.60
-4.9ft	lb	*18,450	*18,450	*25,990	*25,990	*32,580	19,710	22,160	12,500	15,430	8,840			*11,350	7,140	(28.2)
-3.0m	kg	*12,470	*12,470	*17,010	*17,010	*14,230	9,030	10,070	5,690	7,040	4,050			6,660	3,840	7.78
-9.8ft	lb	*27,490	*27,490	*37,500	*37,500	*31,370	19,910	22,200	12,540	15,520	8,930			14,680	8,470	(25.5)
-4.5m	kg	*17,340	*17,340	*18,130	*18,130	*12,630	9,330	*9,210	5,900					*8,200	5,220	6.52
-14.8ft	lb	*38,230	*38,230	*39,970	*39,970	*27,840	20,570	*20,300	13,010					*18,080	11,510	(21.4)
-6.0m	kg													*8,920	*8,920	4.44
-19.7ft	lb													*19,670	*19,670	(14.6)

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 / CWT : 4.6 ton												
Load point height (m)		Load radius								At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
												(m)
7.5 m	kg					*6,200	*6,200			*5,710	4,150	8.01
6.0 m	kg					*6,560	*6,560	*6,370	4,490	*5,810	3,300	8.90
4.5 m	kg			*9,620	*9,620	*7,590	6,410	*6,700	4,360	5,270	2,860	9.42
3.0 m	kg			*12,550	9,130	*8,910	5,950	*7,330	4,150	4,980	2,660	9.64
1.5 m	kg			*14,540	8,450	*10,090	5,560	7,330	3,940	4,970	2,630	9.58
Ground Line	kg			*15,120	8,240	10,250	5,340	7,180	3,810	5,250	2,790	9.23
-1.5 m	kg	*14,250	*14,250	*14,810	8,260	10,180	5,280	7,140	3,780	5,960	3,200	8.57
-3.0 m	kg	*18,890	17,360	*13,670	8,430	*10,170	5,380			*6,670	4,130	7.47
-4.5 m	kg	*15,250	*15,250	*11,130	8,830							

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 / CWT : 4.6 ton														
Load point height (m)		Load radius										At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
														(m)
7.5 m	kg											*5,240	3,900	8.34
6.0 m	kg									*5,870	4,560	*5,400	3,130	9.19
4.5 m	kg					*8,760	*8,760	*7,090	6,500	*6,310	4,400	5,030	2,720	9.69
3.0 m	kg					*11,680	9,320	*8,460	6,010	*7,000	4,160	4,750	2,520	9.90
1.5 m	kg					*13,960	8,520	*9,730	5,580	7,330	3,930	4,730	2,480	9.84
Ground Line	kg					*14,930	8,190	10,220	5,310	7,140	3,770	4,960	2,610	9.51
-1.5 m	kg			*15,220	*15,220	*14,910	8,140	10,100	5,210	7,070	3,710	5,570	2,960	8.87
-3.0 m	kg	*17,240	*17,240	*20,000	17,010	*14,040	8,280	10,170	5,260			*6,780	3,740	7.82
-4.5 m	kg			*16,720	*16,720	*11,970	8,600							

1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is a hook (standard equipment) located on the back of the bucket.

4. (*) indicates 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 m³ (1.66 yd³) SAE heaped / Shoe : 600mm (24") triple grouser / CWT : 4.6 ton																	
Load point height (m)		Load radius												At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach	
																(m)	
7.5 m	kg													*4,780	3,430	8.94	
6.0 m	kg									*5,270	4,650			*4,940	2,800	9.74	
4.5 m	kg							*6,380	*6,380	*5,780	4,450			4,600	2,450	10.20	
3.0 m	kg			*10,490	*10,490	*10,510	9,590	*7,800	6,090	*6,530	4,190	*4,420	2,970	4,350	2,260	10.40	
1.5 m	kg					*13,100	8,650	*9,190	5,610	*7,320	3,920	*5,230	2,840	4,320	2,220	10.35	
Ground Line	kg			*10,140	*10,140	*14,530	8,160	10,190	5,270	7,100	3,720	*4,600	2,740	4,500	2,310	10.04	
-1.5 m	kg	*10,990	*10,990	*14,250	*14,250	*14,890	8,010	10,000	5,110	6,980	3,610			4,970	2,590	9.44	
-3.0 m	kg	*14,880	*14,880	*19,250	16,590	*14,380	8,070	10,000	5,110	7,000	3,630			5,980	3,170	8.48	
-4.5 m	kg	*19,470	*19,470	*18,400	17,090	*12,820	8,320	*9,370	5,290					*6,400	4,560	6.97	

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 / CWT : 4.6 ton																	
Load point height (m)		Load radius												At max. reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach	
																(m)	
7.5 m	kg													*4,230	2,940	9.67	
6.0 m	kg									*4,470	*4,470	*2,540	*2,540	*4,400	2,430	10.40	
4.5 m	kg									*5,050	4,540	*3,970	3,150	4,120	2,140	10.83	
3.0 m	kg				*14,430	*14,430	*8,910	*8,910	*6,870	6,260	*5,870	4,250	*5,060	2,990	3,910	1,980	11.02
1.5 m	kg				*10,550	*10,550	*11,820	8,950	*8,410	5,720	*6,760	3,950	5,400	2,830	3,870	1,930	10.97
Ground Line	kg	*6,830	*6,830	*10,900	*10,900	*13,790	8,260	*9,670	5,310	7,090	3,710	5,250	2,690	4,000	1,990	10.68	
-1.5 m	kg	*9,850	*9,850	*13,520	*13,520	*14,680	7,960	9,960	5,070	6,910	3,550	5,150	2,610	4,360	2,200	10.12	
-3.0 m	kg	*13,010	*13,010	*17,120	16,210	*14,640	7,910	9,870	4,990	6,860	3,500			5,090	2,630	9.25	
-4.5 m	kg	*16,680	*16,680	*20,250	16,600	*13,660	8,060	9,970	5,070					*6,200	3,550	7.92	

Lifting Capacity

R300LC-9S 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 / CWT : 4.6 ton

Load point height (m)		Load radius												At max. reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach
																(m)
7.5 m	kg									*3560	*3560			*4810	4150	9.12
6.0 m	kg									*5340	*5340			*4970	3300	9.85
4.5 m	kg							*6630	*6630	*5910	*5910	*3130	*3130	*5180	2860	10.26
3.0 m	kg					*11060	*11060	*8070	*8070	*6680	5820	*4640	4250	5060	2660	10.41
1.5 m	kg			*7260	*7260	*13460	12280	*9420	7860	*7460	5550	*5260	4120	5070	2630	10.31
Ground Line	kg			*10880	*10880	*14670	11840	*10360	7540	*8040	5360			5330	2790	9.95
-1.5 m	kg	*11690	*11690	*15110	*15110	*14860	11730	*10720	7400	8080	5270			5950	3200	9.29
-3.0 m	kg	*15680	*15680	*20360	*20360	*14180	11820	*10400	7430	*7880	5320			*6450	4820	8.24
-4.5 m	kg	*20460	*20460	*17650	*17650	*12350	12140	*8950	7670							

R300LC-9S LONG REACH

 Rating over-front  Rating over-side or 360 degree

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 / CWT : 7 ton

Load point height (m)		Load radius														At max. reach		
		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		Capacity		Reach
																		(m)
13.5 m	kg															*1770	*1770	14.13
12.0 m	kg															*1790	*1790	15.27
10.5 m	kg															*1820	*1820	16.18
9.0 m	kg													*1060	*1060	*1860	1660	16.89
7.5 m	kg													*1520	*1520	*1910	1490	17.44
6.0 m	kg											*1890	*1890	*1830	*1830	*1970	1360	17.83
4.5 m	kg									*2030	*2030	*2010	*2010	*2140	2000	*2040	1270	18.08
3.0 m	kg					*3260	*3260	*2880	*2880	*2610	*2610	*2420	2370	*2290	1900	*2110	1200	18.20
1.5 m	kg	*6160	*6160	*4690	*4690	*3830	*3830	*3280	*3280	*2900	2770	*2640	2230	*2450	1790	2160	1160	18.19
Ground Line	kg	*7310	7070	*5460	5240	*4370	4050	*3670	3210	*3190	2580	*2860	2090	*2610	1700	2150	1150	18.04
-1.5 m	kg	*8140	6500	*6090	4820	*4840	3750	*4020	2980	*3460	2410	*3060	1970	*2760	1610	2180	1160	17.76
-3.0 m	kg	*8680	6170	*6550	4540	*5210	3520	*4320	2810	*3690	2280	*3230	1870	2810	1540	2250	1200	17.33
-4.5 m	kg	*8980	6020	*6850	4380	*5480	3380	*4540	2690	*3870	2190	3250	1810	2760	1500	2370	1270	16.75
-6.0 m	kg	*9060	5980	*7000	4310	*5630	3310	4640	2630	3820	2140	3210	1780	*2720	1500	2560	1400	15.99
-7.5 m	kg	*8940	6040	*6980	4320	*5650	3300	4630	2620	3820	2140	3230	1790			2840	1580	15.04
-9.0 m	kg	*8600	6190	*6780	4410	*5520	3360	*4590	2670	*3860	2190					*3070	1880	13.83
-10.5 m	kg	*7990	6420	*6350	4570	*5180	3490	*4270	2790	*3500	2320					*3230	2370	12.31
-12.0 m	kg	*7010	6760	*5590	4830	*4510	3710											
-13.5 m	kg	*5410	*541	*4210	*4210													

1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is a hook (standard equipment) located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

Memo



Memo



Memo