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
  - 10.2 m Long reach
- Arms
  - 2.1 m
  - 2.5 m
  - 3.05 m
  - 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
- Tool kit
- 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

* 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

www.hyundai-ce.com 2017.11 Rev. 12

MOVING YOU FURTHER

Robex 300LC-9S

With Tier 2 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 Hyundai!

Robex 300LC-9S

*Photo may include optional equipment.

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.

*Photo may include optional equipment.

Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

Operator Comfort

In 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.

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.

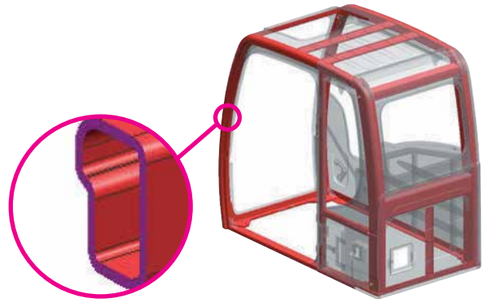
Performance

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

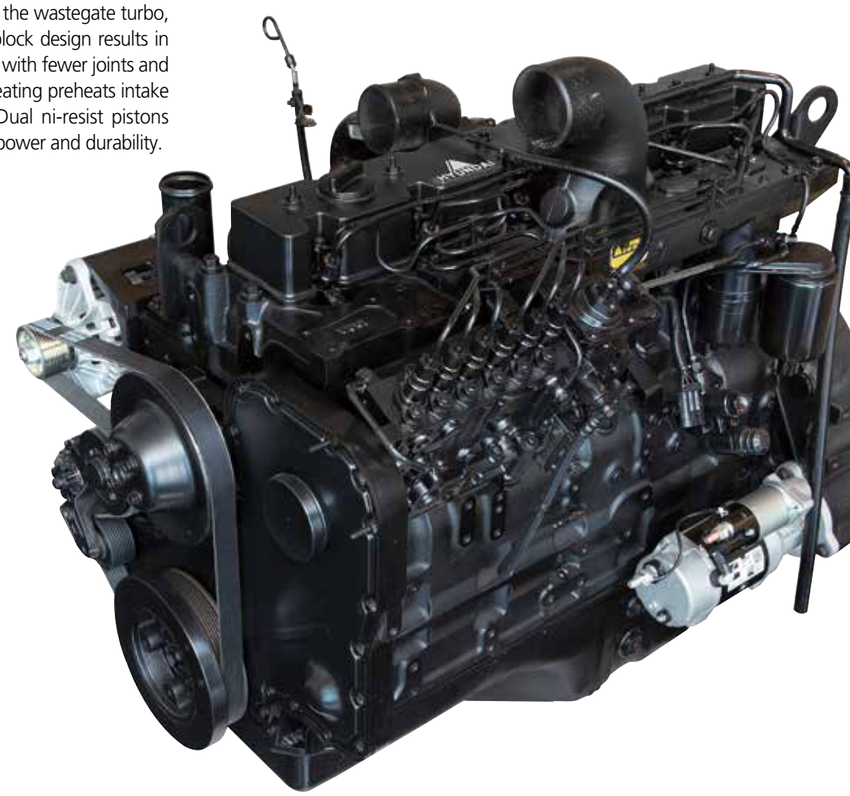
The 9S Series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis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

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. Unitzed 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.



Profitability

9S 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

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.

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
Rated flywheel horse power	SAE	J1995 (gross)	263 HP at 1,900 rpm
		J1349 (net)	252 HP at 1,900 rpm
	DIN	6271/1 (gross)	266 PS at 1,900 rpm
		6271/1 (net)	255 PS at 1,900 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/cm²
Travel	350 kgf/cm²
Power boost (boom, arm, bucket)	380 kgf/cm²
Swing circuit	300 kgf/cm²
Pilot circuit	40 kgf/cm²
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

( ):option

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, coolant, 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

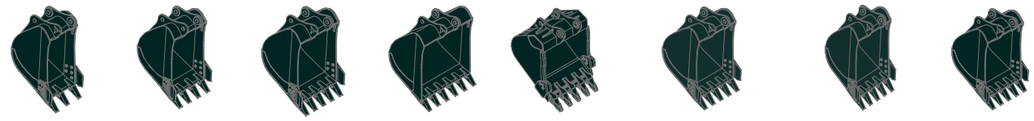
OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width (mm)	(kg)		kgf/cm²
Triple grouser	600 mm	R300LC-9S	29,700	0.57
		R300NLC-9S	29,500	0.57
		R300LC-9S H/W	32,540	0.62
	700 mm	R300LC-9S	30,280	0.50
		R300LC-9S H/W	33,120	0.54
	800 mm	R300LC-9S	30,860	0.44
		R300LC-9S H/W	33,700	0.48
	900 mm	R300LC-9S	31,440	0.40
Double grouser	700 mm	R300LC-9S H/W	34,020	0.55

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 m³								
0.79	1.03	1.27 1.38 1.50	1.73 1.85	▣ 1.27	◈1.07 ◈1.27 ◈1.15 ◈1.46	◉1.16 ◉1.33 ◉1.49	★ 0.52

Capacity (m³)		Width (mm)		Weight (kg)	Recommendation (mm)				
					6,250 Boom				10,200 Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		2,100 Arm	2,500 Arm	3,050 Arm	3,750 Arm	7,850 Arm
0.79	0.70	890	1,010	790	●	●	●	●	–
1.03	0.90	1,090	1,210	890	●	●	●	●	–
1.27	1.10	1,290	1,410	1,010	●	●	●	■	–
1.38	1.20	1,400	1,520	1,060	●	●	■	▲	–
1.50	1.30	1,490	1,610	1,080	●	●	■	▲	–
1.73	1.50	1,700	1,820	1,170	■	■	▲	▲	–
1.85	1.60	1,800	1,920	1,230	■	▲	▲	▲	–
▣ 1.27	1.10	1,310	1,340	1,300	●	●	■	■	–
◈ 1.07	0.95	1,150	-	1,120	●	●	●	●	–
◈ 1.15	1.00	1,210	-	1,160	●	●	●	■	–
◈ 1.27	1.10	1,310	-	1,240	●	●	■	■	–
◈ 1.46	1.28	1,460	-	1,320	■	■	■	▲	–
◉ 1.16	1.00	1,340	-	1,280	●	●	●	■	–
◉ 1.33	1.16	1,420	-	1,440	■	■	■	▲	–
◉ 1.49	1.28	1,620	-	1,440	■	■	▲	▲	–
★ 0.52	0.45	935	1,035	460	–	–	–	–	■

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

● : Applicable for materials with density of 2,000 kg /m³ or less
■ : Applicable for materials with density of 1,600 kg /m³ or less
▲ : Applicable for materials with density of 1,100 kg /m³ 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

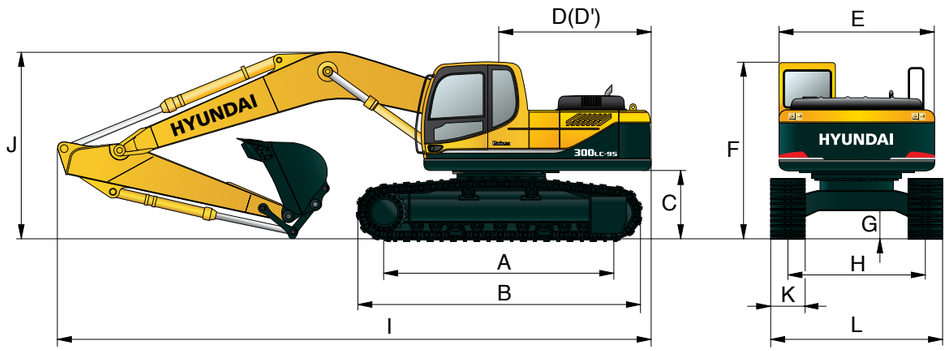
Boom	Length	(mm)	6,250				10,200
	Weight	(kg)	2,670				3,420
Arm	Length	(mm)	2,100	2500	3,050	3,750	7,850
	Weight	(kg)	1,480	1,460	1,570	1,710	1,690
Bucket digging force	SAE	kN	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	70
		kgf	17200 [18670]	17200 [18670]	17200 [18670]	17200 [18670]	7100
	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

Remark: [ ]: Power Boost

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

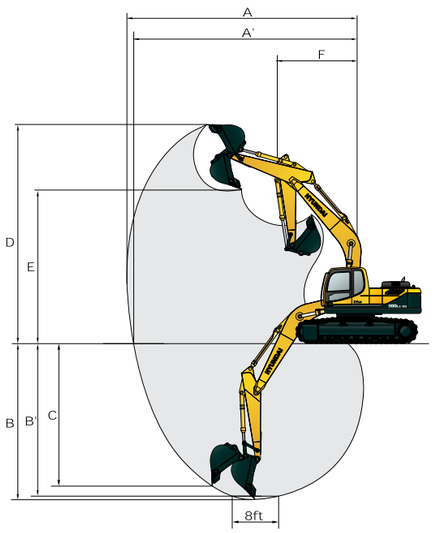
A	Tumbler distance	4,030
B	Overall length of crawler	4,940
C	Ground clearance of counterweight	1,190
D	Tail swing radius	3,345
D'	Rear-end length	3,265
E	Overall width of upperstructure	2,980
F	Overall height of cab	3,010
G	Min. ground clearance	500
H	Track gauge	2,600

	Boom length	6,250				10,200
	Arm length	2,100	2,500	3,050	3,750	7,850
I	Overall length	10,850	10,795	10,705	10,775	14,705
J	Overall height of boom	3,590	3,470	3,290	3,500	3,560

K	Track shoe width	600	700	800	900
L	Overall width	3,200	3,300	3,400	3,500

R300LC-9S WORKING RANGE

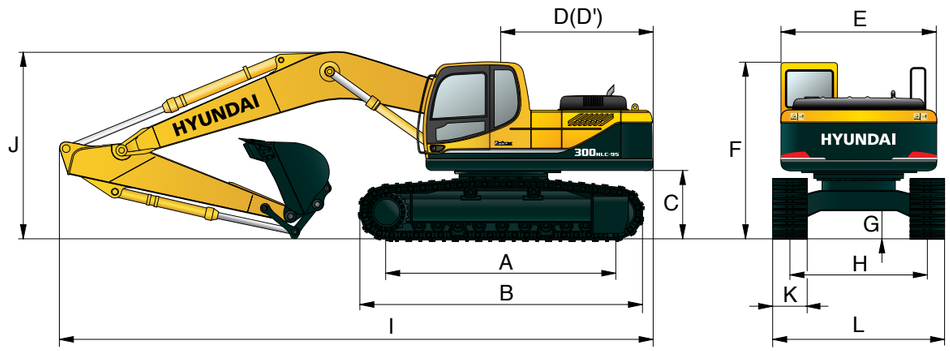
Unit : mm



	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	10,820	11,400	18,510
A'	Max. digging reach on ground	9,820	10,080	10,620	11,220	18,400
B	Max. digging depth	6440	6,840	7,390	8,090	14,820
B'	Max. digging depth (8' level)	6,240	6,630	7,200	7,920	14,690
C	Max. vertical wall digging depth	6,000	5,850	6,380	7,080	12,020
D	Max. digging height	10,070	10,110	10,160	10,360	14,500
E	Max. dumping height	6,940	7,030	7,110	7,310	12,190
F	Min. swing radius	4,380	4,260	4,230	4,190	6,250

Dimensions & Working Range

R300NLC-9S DIMENSIONS



Unit : mm

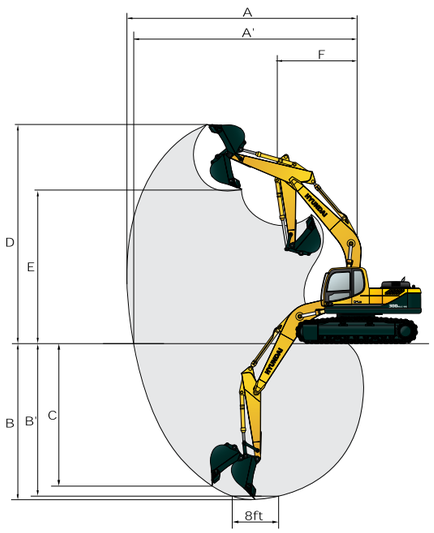
A	Tumbler distance	4,030
B	Overall length of crawler	4,940
C	Ground clearance of counterweight	1,190
D	Tail swing radius	3,345
D'	Rear-end length	3,265
E	Overall width of upperstructure	2,980
F	Overall height of cab	3,010
G	Min. ground clearance	500
H	Track gauge	2,390

	Boom length	6,250			
	Arm length	2,100	2,500	3,050	3,750
I	Overall length	10,850	10,795	10,705	10,775
J	Overall height of boom	3,590	3,470	3,290	3,500

K	Track shoe width	600
L	Overall width	2,990

R300NLC-9S WORKING RANGE

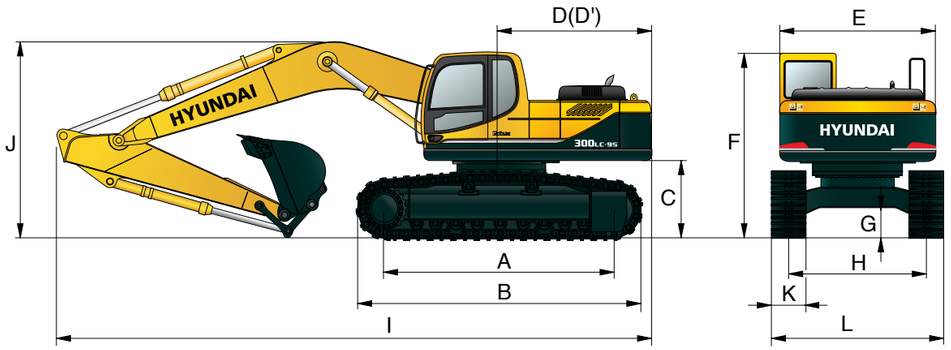
Unit : mm



	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

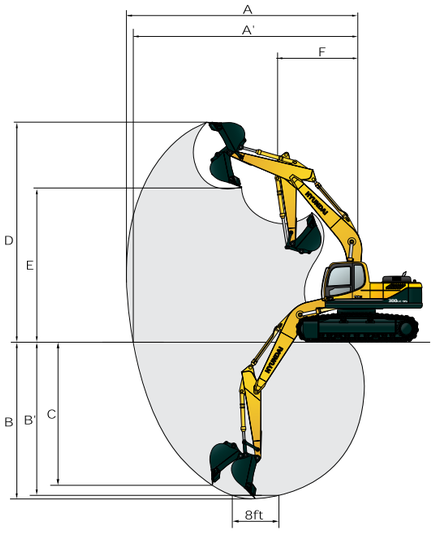
A	Tumbler distance	4,030
B	Overall length of crawler	4,950
C	Ground clearance of counterweight	1,500
D	Tail swing radius	3,345
D'	Rear-end length	3,265
E	Overall width of upperstructure	2,980
F	Overall height of cab	3,380
G	Min. ground clearance	765
H	Track gauge	2,870

	Boom length	6,250				10,200
	Arm length	2,100	2,500	3,050	3,750	7,850
I	Overall length	10,835	10,755	10,575	10,675	14,595
J	Overall height of boom	3,740	3,590	3,350	3,510	3,560

	Track shoe (type)	Triple grouser			Double grouser
K	Track shoe width	600	700	800	700
L	Overall width	3,470	3,570	3,670	3,570

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

R300LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.25m / Arm : 2.10 m / Bucket : 1.27 m^3 SAE heaped / Shoe : 600mm triple grouser

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					*6200	*6200			*5710	4600	8.01
6.0 m	kg					*6560	*6560	*6370	4980	*5810	3680	8.90
4.5 m	kg			*9620	*9620	*7590	7110	*6700	4850	5310	3210	9.42
3.0 m	kg			*12550	10260	*8910	6640	*7330	4630	5020	3000	9.64
1.5 m	kg			*14540	9550	*10090	6240	7390	4430	5010	2970	9.58
Ground Line	kg			*15120	9340	10330	6010	7230	4290	5290	3150	9.23
-1.5 m	kg	*14250	*14250	*14810	9360	10250	5950	7200	4260	6010	3600	8.57
-3.0 m	kg	*18890	*18890	*13670	9540	*10170	6050			*6670	4620	7.47
-4.5 m	kg	*15250	*15250	*11130	9950							

Boom : 6.25m / Arm : 2.50 m / Bucket : 1.27 m^3 SAE heaped / Shoe : 600mm triple grouser

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											*5240	4330	8.34
6.0 m	kg									*5870	5060	*5400	3500	9.19
4.5 m	kg					*8760	*8760	*7090	*7090	*6310	4890	5070	3060	9.69
3.0 m	kg					*11680	10460	*8460	6700	*7000	4650	4790	2850	9.90
1.5 m	kg					*13960	9630	*9730	6260	7380	4420	4770	2810	9.84
Ground Line	kg					*14930	9290	10300	5980	7200	4250	5010	2950	9.51
-1.5 m	kg			*15220	*15220	*14910	9240	10180	5880	7130	4190	5620	3340	8.87
-3.0 m	kg	*17240	*17240	*20000	19740	*14040	9380	10240	5930			*6780	419	7.82
-4.5 m	kg			*16720	*16720	*11970	9720							

Boom : 6.25m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m^3 (1.66 yd^3) SAE heaped / Shoe : 600mm (24") triple grouser

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													*4780	3820	8.94
6.0 m	kg									*5270	5150			*4940	3140	9.74
4.5 m	kg							*6380	*6380	*5780	4950			4630	2760	10.20
3.0 m	kg			*10490	*10490	*10510	*10510	*7800	6780	*6530	4670	*4420	3350	4390	2570	10.40
1.5 m	kg					*13100	9770	*9190	6290	*7320	4410	*5230	3210	4350	2530	10.35
Ground Line	kg			*10140	*10140	*14530	9270	*10220	5950	7150	4200	*4600	3110	4540	2640	10.04
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	9110	10080	5780	7030	4090			5020	2940	9.44
-3.0 m	kg	*14880	*14880	*19250	*19250	*14380	9170	10080	5780	7050	4110			6030	3580	8.48
-4.5 m	kg	*19470	*19470	*18400	*18400	*12820	9430	*9370	5960					*6400	5110	6.97

Boom : 6.25m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m^3 (1.66 yd^3) SAE heaped / Shoe : 600mm (24") triple grouser

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													*4230	3290	9.67
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2750	10.40
4.5 m	kg									*5050	5040	*3970	3530	4150	2430	10.83
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	*6870	*5870	4740	*5060	3370	3940	2260	11.02
1.5 m	kg			*10550	*10550	*11820	10080	*8410	6410	*6760	4440	5440	3200	3900	2220	10.97
Ground Line	kg	*6830	*6830	*10900	*10900	*13790	9370	*9670	5980	7150	4190	5290	3060	4040	2290	10.68
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	9060	10040	5740	6970	4030	5200	2980	4400	2520	10.12
-3.0 m	kg	*13010	*13010	*17210	*17210	*14640	9000	9950	5660	6910	3980			5140	2990	9.25
-4.5 m	kg	*16680	*16680	*20250	19320	*13660	9160	*9980	5740					*6200	4000	7.92

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

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 m³ (1.66 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

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					*6200	*6200			*5710	4150	8.01
6.0 m	kg					*6560	*6560	*6370	4490	*5810	3300	8.90
4.5 m	kg			*9620	*9620	*7590	6410	*6700	4360	5270	2860	9.42
3.0 m	kg			*12550	9130	*8910	5950	*7330	4150	4980	2660	9.64
1.5 m	kg			*14540	8450	*10090	5560	7330	3940	4970	2630	9.58
Ground Line	kg			*15120	8240	10250	5340	7180	3810	5250	2790	9.23
-1.5 m	kg	*14250	*14250	*14810	8260	10180	5280	7140	3780	5960	3200	8.57
-3.0 m	kg	*18890	17360	*13670	8430	*10170	5380			*6670	4130	7.47
-4.5 m	kg	*15250	*15250	*11130	8830							

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)		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											*5240	3900	8.34
6.0 m	kg									*5870	4560	*5400	3130	9.19
4.5 m	kg					*8760	*8760	*7090	6500	*6310	4400	5030	2720	9.69
3.0 m	kg					*11680	9320	*8460	6010	*7000	4160	4750	2520	9.90
1.5 m	kg					*13960	8520	*9730	5580	7330	3930	4730	2480	9.84
Ground Line	kg					*14930	8190	10220	5310	7140	3770	4960	2610	9.51
-1.5 m	kg			*15220	*15220	*14910	8140	10100	5210	7070	3710	5570	2960	8.87
-3.0 m	kg	*17240	*17240	*20000	17010	*14040	8280	10170	5260			*6780	3740	7.82
-4.5 m	kg			*16720	*16720	*11970	8600							

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)		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													*4780	3430	8.94
6.0 m	kg									*5270	4650			*4940	2800	9.74
4.5 m	kg							*6380	*6380	*5780	4450			4600	2450	10.20
3.0 m	kg			*10490	*10490	*10510	9590	*7800	6090	*6530	4190	*4420	2970	4350	2260	10.40
1.5 m	kg					*13100	8650	*9190	5610	*7320	3920	*5230	2840	4320	2220	10.35
Ground Line	kg			*10140	*10140	*14530	8160	10190	5270	7100	3720	*4600	2740	4500	2310	10.04
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	8010	10000	5110	6980	3610			4970	2590	9.44
-3.0 m	kg	*14880	*14880	*19250	16590	*14380	8070	10000	5110	7000	3630			5980	3170	8.48
-4.5 m	kg	*19470	*19470	*18400	17090	*12820	8320	*9370	5290					*6400	4560	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

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													*4230	2940	9.67
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2430	10.40
4.5 m	kg									*5050	4540	*3970	3150	4120	2140	10.83
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	6260	*5870	4250	*5060	2990	3910	1980	11.02
1.5 m	kg			*10550	*10550	*11820	8950	*8410	5720	*6760	3950	5400	2830	3870	1930	10.97
Ground Line	kg	*6830	*6830	*10900	*10900	*13790	8260	*9670	5310	7090	3710	5250	2690	4000	1990	10.68
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	7960	9960	5070	6910	3550	5150	2610	4360	2200	10.12
-3.0 m	kg	*13010	*13010	*17210	16210	*14640	7910	9870	4990	6860	3500			5090	2630	9.25
-4.5 m	kg	*16680	*16680	*20250	16600	*13660	8060	9970	5070					*6200	3550	7.92

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

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

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

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													*1060	*1060	*1820	*1820	16.18
9.0 m	kg													*1520	*1520	*1860	1660	16.89
7.5 m	kg											*1890	*1890	*1830	*1830	*1910	1490	17.44
6.0 m	kg											*2030	*2030	*2010	*2010	*1970	1360	17.83
4.5 m	kg									*2330	*2330	*2210	*2210	*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													