STANDARD EQUIPMENT

- ISO Standard cabin
  - All-weather steel cab with 360° visibility
  - Safety glass windows
  - Rise-up type windshield wiper
  - Sliding side window(LH)
  - Lockable door
  - Hot & cool box
  - Storage compartment & Ashtray
  - Transparent cabin roof-cover
  - Radio / USB Player
  - 12 volt power outlet (24V DC to 12V DC converter)
  - Handsfree mobile phone system with USB
  - Sun visor
- Computer aided power optimization (New CAPO) system
  - 3-power mode, 2-work mode, User mode
  - Auto deceleration & one-touch deceleration system
  - Auto warm-up system
  - Auto overheat prevention system
- Automatic climate control
  - Air conditioner & heater
  - Defroster
- Self-diagnostics system
- Starting Aid (air grid heater) for cold weather
- Centralized monitoring
  - LCD display
  - Engine speed or Trip meter/Accel.
  - Clock
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warnings
  - Check Engine
  - Overload
  - Communication error
  - Low battery
  - Air cleaner clogging
  - Indicators
  - Max power
  - Low speed/High speed
  - Fuel warmer
  - Auto idle
- Door and cab locks, one key
- Three outside rearview mirrors
- Mechanical suspension seat with heater
- Pilot-operated slidable joystick
- Console box height adjust system
- Four front working lights
- Electric horn
- Batteries (2 x 12V x 160 AH)
- Battery master switch
- Removable clean-out dust net for oil cooler
- Automatic swing brake
- Removable reservoir tank
- Fuel pre-filter with fuel warmer
- 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 (50 L/min)
- Beacon lamp
- Safety lock valve for boom cylinder with overload warning device
- Safety lock valve for arm cylinder
- Single-acting piping kit (breaker, etc.)
- Double-acting piping kit (clamshell, etc.)
- Quick coupler
- Travel alarm
- Booms
  - 6.15 m
  - 6.5 m
  - 6.5 m Heavy Duty
  - 8.6 m
- Arms
  - 2.5 m
  - 3.2 m
  - 3.2 m Heavy Duty
  - 3.9 m
  - 4.3 m
  - 5.1 m
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS/FOG (ISO/DIS 10262 Level II)
  - FOPS (Falling Object Protective Structure)
- Cabin ROPS (ISO 12117-2)
  - ROPS (Roll Over Protective Structure)
- Cabin guard front
  - Wire net
  - Fine net
- Cabin roof-steel cover
- Cabin lights
- Cabin front window rain guard
- Track shoes
  - Triple grousers shoe (600mm)
  - Triple grousers shoe (700mm)
  - Triple grousers shoe (750mm)
  - Triple grousers shoe (800mm)
  - Triple grousers shoe (900mm)
  - Full track rail guard
- Lower frame under cover (Additional)
- Tool kit
- Rearview camera
- Seat
  - Adjustable air suspension seat
  - Adjustable air suspension seat with heater
  - Mechanical suspension seat
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management System)
- Precleaner
- Oil washed air cleaner
- Additional Fuel pre filter

* 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 2018. 11 Rev 7

MOVING YOU FURTHER

Robex 380LC-9

With Tier 3 Engine installed

*Photo may include optional equipment.

HYUNDAI
CONSTRUCTION EQUIPMENT

Pride at Work

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

*Photo may include optional equipment.

Robex 380LC-9

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient HYUNDAI HE 8.9 engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine overheat 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 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

Improved Visibility
Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation
Larger right-side glass, now one piece, for better right visibility
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

Improved Cab Construction
New steel tube construction for added operator safety, protection and durability
New window open/close mechanism designed with cable and spring lift assist and single latch release

Improved Suspension Seat / Console Assembly
Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling
Heated suspension (standard) or optional air ride suspension with heat
New joystick consoles - now adjustable in height by way of dial at bottom
Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster
New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.
3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference
Enhanced self-diagnostic features with GPS download capability
One pump flow or two pump flow for optional attachment now selectable through the cluster / New anti-theft system with password capability
Boom speed and arm regeneration are selectable through the monitor.
Auto power boost is now available - selectable (on/off) through the monitor.
Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7A series!
RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

RMS (Remote Management System)

RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps
Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner

Preference

Operating a 9 series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.

*Photo may include optional equipment.

Wide Cabin with Excellent Visibility

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

Operator Comfort

In 9 series cabin you can easily adjust the seat, console and armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full automatic high capacity airconditioning system and the Radio / USB player.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9 series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo, plus remotely located controls is perfect for listening to music favorites.
Operators can even talk on the phone with the hands-free cell phone feature.

Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

Precision

Innovative hydraulic system technologies make the 9 series excavator fast, smooth and easy to control.

*Photo may include optional equipment.

Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button.
The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

Power Mode

P (Power Max) mode maximizes machine speed and power for mass production.
S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

User Mode

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

Improved Hydraulic System

To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.
Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.
Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9 series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.

Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

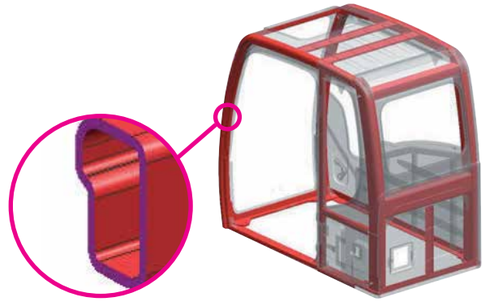
Performance

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

*Photo may include optional equipment.

Track Rail Guard & Adjusters

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



Structure Strength

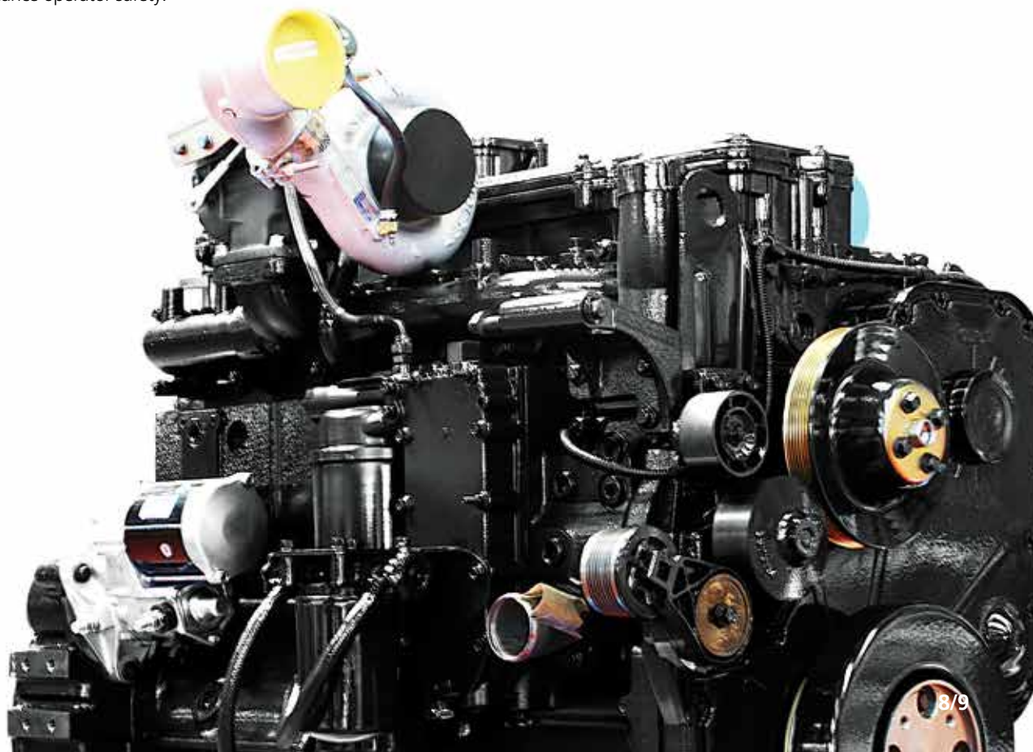
The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.
The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

HYUNDAI HE 8.9 Engine

The Tier III, six cylinder, 4 cycle, turbo-charged, charge air cooled, HYUNDAI HE8.9 engine provides maximum power, reliability, optimum fuel economy, and reduced emissions. Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.

Heavy-duty strength

Everyone who's ever worked on construction equipment knows, there is no substitute for power and durabilty. HYUNDAI HE 8.9 handles the toughest loads and the roughest work conditions.
At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation. Plus, the heavy-duty design of HYUNDAI HE 8.9 engine block and components such as articulated pistons, enhanced camshaft and roller cam followers, viscous damper and high capacity lube system add reliability and durability you can count on every day, year after year.
Both fuel-efficiency and response are significantly enhanced with the Cummins high pressure common rail fuel system. The system delivers high pressure injection, independent of engine speed, for optimum performance and flexibility at every rpm.



Profitability

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

*Photo may include optional equipment.

Hi-mate (Remote Management System)

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

Fuel Efficient

9 series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed fan clutch, two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.

Easy Access

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

Long-Life Components

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

Specifications

ENGINE

MODEL			HYUNDAI HE 8.9
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horse power	SAE	J1995 (gross)	296 HP (221 kW)/ 1,850 rpm
		J1349 (net)	271 HP (202 kW)/ 1,850 rpm
	DIN	6271/1 (gross)	300 PS (221 kW)/ 1,850 rpm
		6271/1 (net)	275 PS (202 kW)/ 1,850 rpm
Max. torque			148.0 kgf·m(1,070 lbf·ft)/ 1,400 rpm
Bore X stroke			114 x 145 mm (4.5" x 5.7")
Piston displacement			8,900cc (540 in^3)
Batteries			2 X 12V X 160AH
Starting motor			24V- 9.8kW
Alternator			24V- 90Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement piston pump
Rated flow	2 X 288.8L /min (76.3 US gpm / 63.5 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	330 kgf/cm^2
Travel	330 kgf/cm^2
Power boost (boom, arm, bucket)	330 kgf/cm^2
Swing circuit	290 kgf/cm^2
Pilot circuit	40 kgf/cm^2AS
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-160 X 1,500 mm
	Arm: 1-170 X 1,760 mm
	Bucket: 1-150 X 1,295 mm

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	32,000 kgf
Max. travel speed(high) / (low)	4.8 km/hr / 3.0 km/hr
Gradeability	35^0 (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 pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.3 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	550	145.3	121.0
Engine coolant	45.0	11.9	9.9
Engine oil	30	7.9	6.6
Swing device-gear oil	8.0	2.1	1.8
Final drive(each)-gear oil	7.0	1.8	1.5
Hydraulic system(including tank)	410	108.3	90.2
Hydraulic tank	210	55.5	46.2

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	51
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of rail guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,500mm boom, 3,200mm arm, SAE heaped 1.62m^3 bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	8,750 kg
Boom (with arm cylinder)	3,780 kg
Arm (with bucket cylinder)	2,010 kg

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm	kg	kgf/cm^2
Triple grouser	600	38,450	0.69
	700	38,900	0.60
	750	39,125	0.56
	800	39,350	0.53
	900	39,800	0.47
Heavy Duty	600	38,840	0.69
	700	39,360	0.60
Double grouser	600	38,695	0.69
	700	39,195	0.60

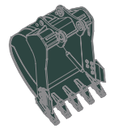
AIR CONDITIONING SYSTEM

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 CO_2 equivalent 1.14kg metric tonne.
For more information, Please refer to the manual.

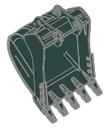
BUCKETS

All buckets are welded with high-strength steel.

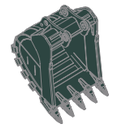
SAE heaped m^3



(G)
1.46
1.62
1.90
2.10
2.32



(H)
1.46
1.62
1.90
2.10



(R)
1.46
1.62
1.90

Capacity m^3 SAE heaped	Capacity m^3 CECE heaped	Width mm	Weight kg	Tooth EA	Recommendation mm: 6,150 Boom / 2,500 Arm	6,500 Boom / 2,500 Arm	6,500 Boom / 2,900 Arm	6,500 Boom / 3,200 Arm	6,500 Boom / 3,900 Arm	6,500 Boom / 4,300 Arm	8,600 Boom / 5,100 Arm
(G) 1.46	1.28	1,370	1,430	4	●	●	●	●	◐	■	▲
(G) 1.62	1.42	1,480	1,530	5	●	◐	◐	◐	■	▣	-
(G) 1.90	1.65	1,665	1,640	5	◐	■	■	■	▣	▲	-
(G) 2.10	1.84	1,800	1,720	5	■	■	▣	▣	▲	-	-
(G) 2.32	2.02	1,950	1,830	6	■	▣	▣	▲	-	-	-
(H) 1.46	1.28	1,370	1,560	4	●	●	●	◐	◐	■	-
(H) 1.62	1.42	1,480	1,660	5	●	◐	◐	◐	■	▣	-
(H) 1.90	1.65	1,665	1,790	5	◐	■	■	▣	▣	▲	-
(H) 2.10	1.84	1,800	1,880	5	■	▣	▣	▣	▲	-	-
(R) 1.46	1.28	1,370	1,750	4	●	●	◐	◐	■	▣	-
(R) 1.62	1.42	1,480	1,850	5	●	◐	■	■	▣	▣	-
(R) 1.90	1.65	1,665	1,990	5	■	■	▣	▣	-	-	-

(G) General purpose
(H) Heavy duty
(R) Rock

●: Applicable for materials with density of 2,100 kg /m^3 or less
◐: Applicable for materials with density of 1,800 kg /m^3 or less
■: Applicable for materials with density of 1,500 kg /m^3 or less
▣: Applicable for materials with density of 1,200 kg /m^3 or less
▲: Applicable for materials with density of 900 kg /m^3 or less

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design. 6,150 mm, 6,500 mm, 8,600 mm, boom and 2,500 mm, 2,900 mm, 3,200 mm, 3,900 mm, 4,300 mm, 5,100 mm, arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

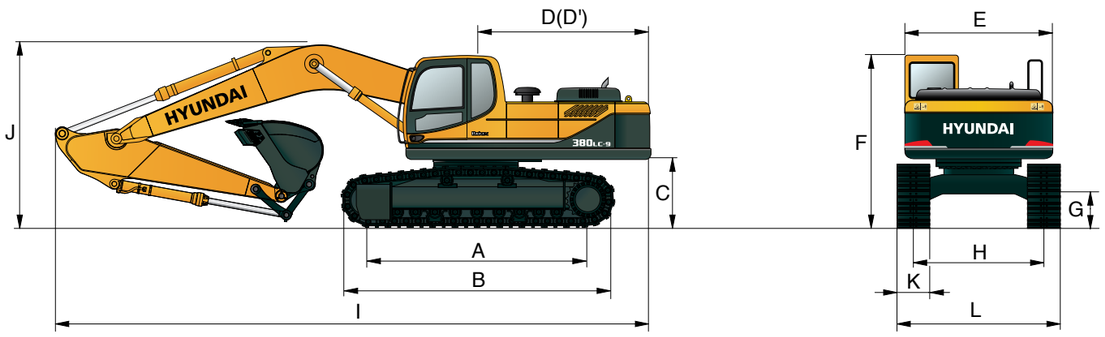
DIGGING FORCE

Boom	Length	mm	6,150	6,500				8,600	Remarks
	Weight	kg	3,640	3,780				4,560	
Arm	Length	mm	2,500	2,900	3,200	3,900	4,300	5,100	
	Weight	kg	1,990	2,140	2,010	2,220	2,340	2,560	
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	[ ]: Power Boost
		kgf	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	
		lbf	45,190[49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	
	ISO	kN	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	
		kgf	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	
		lbf	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	
Arm crowd force	SAE	kN	184.4 [201.1]	152.0 [165.8]	152.0 [165.8]	135.3 [147.6]	124.5 [135.9]	109.8 [119.8]	
		kgf	18,800 [20,510]	15,500 [16,910]	15,500 [16,910]	13,800 [15,050]	12,700 [13,850]	11,200 [12,220]	
		lbf	41,450 [45,220]	34,170 [37,280]	34,170 [37,280]	30,420 [33,190]	28,000 [30,550]	24,690 [26,930]	
	ISO	kN	192.2 [209.7]	156.9 [171.2]	156.9 [171.2]	139.3 [151.9]	128.5 [140.1]	112.8 [123.0]	
		kgf	19,600 [21,380]	16,000 [17,450]	16,000 [17,450]	14,200 [15,490]	13,100 [14,290]	11,500 [12,550]	
		lbf	43,210 [47,140]	35,270 [38,480]	35,270 [38,480]	31,310 [34,160]	28,880 [31,510]	25,350 [27,650]	

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

Dimensions & Working Range

R380LC-9 / R380NLC-9 DIMENSIONS



unit : mm

A	Tumbler distance	4,340
B	Overall length of crawler	5,280
C	Ground clearance of counterweight	1,290
D	Tail swing radius	3,415
D'	Rear-end length	3,350
E	Overall width of upperstructure	2,980
F	Overall height of cab	3,175
G	Min. ground clearance	550
H	Track gauge	2,740

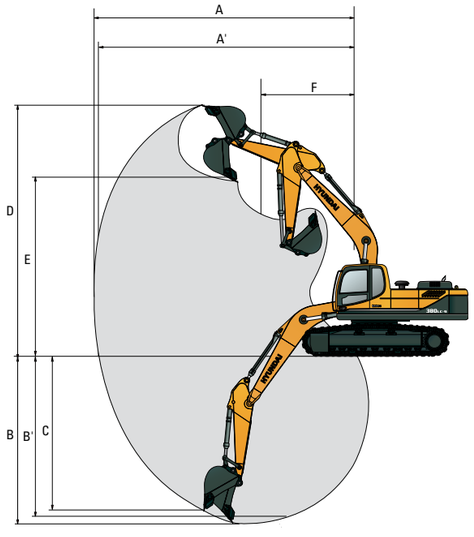
unit : mm

	Boom length	6,150	6,500					8,600
	Arm length	2,500	2,500	2,900	3,200	3,900	4,300	5,100
I	Overall length	10,880	11,240	11,180	11,120	11,160	11,110	13,070
J	Overall height of boom	3,760	3,710	3,540	3,450	3,880	4,300	4,910

K	Track shoe width	600	700	750	800	900
L	Overall width	3,340	3,440	3,490	3,440	3,640

R380LC-9 / R380NLC-9 WORKING RANGE

unit : mm



	Boom length	6,150	6,500					8,600
	Arm length	2,500	2,500	2,900	3,200	3,900	4,300	5,100
A	Max. digging reach	10,330	10,720	11,000	11,250	11,870	12,380	11,140
A'	Max. digging reach on ground	10,100	10,490	10,780	11,040	11,670	12,180	10,940
B	Max. digging depth	6,450	6,820	7,220	7,520	8,220	8,620	7,370
B'	Max. digging depth (8' level)	6,270	6,640	7,060	7,360	8,080	8,490	7,210
C	Max. vertical wall digging depth	5,490	5,930	5,970	6,330	7,040	7,540	6,360
D	Max. digging height	10,320	10,590	10,480	10,570	10,800	11,360	10,310
E	Max. dumping height	7,120	7,370	7,330	7,410	7,640	8,160	7,240
F	Min. swing radius	4,220	4,530	4,540	4,450	4,440	4,460	4,470

Lifting Capacity

R380LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.15 m / Arm : 2.5 m / Bucket : 1.62 m³ SAE heaped / Shoe : 600mm triple grouser

Load point height (m)		Load radius 3.0 m		4.5 m		6.0 m		7.5 m		At max. reach Capacity		Reach
												(m)
9.0 m	kg									*7580	*7580	6.65
7.5 m	kg									*7420	6190	8.02
6.0 m	kg					*8590	*8590	*6510	*6510	*7460	4980	8.88
4.5 m	kg	*18270	*18270	*12170	*12170	*9790	9680	*8620	6560	7480	4350	9.38
3.0m	kg			*15380	14190	*11300	9030	*9350	6250	7050	4040	9.58
1.5 m	kg			*17740	13080	*12640	8450	*10060	5940	7010	3980	9.52
Ground Line	kg	*13400	*13400	*18580	12560	*13410	8060	10120	5710	7360	4170	9.19
-1.5 m	kg	*21020	*21020	*18170	12420	*13400	7880	10010	5610	8290	4710	8.53
-3.0 m	kg	*22960	*22960	*16580	12540	*12330	7930			*8180	5950	7.47
-4.5 m	kg	*17870	*17870	*13110	12970							

Boom : 6.5 m / Arm : 2.5 m / Bucket : 1.62 m³ SAE heaped / Shoe : 600mm triple grouser

Load point height (m)		Load radius 3.0 m		4.5 m		6.0 m		7.5 m		At max. reach Capacity		Reach
												(m)
9.0 m	kg									*6820	*6820	7.22
7.5 m	kg									*6770	5390	8.49
6.0 m	kg					*7970	*7970	*7480	6600	*6850	4400	9.29
4.5 m	kg			*11870	*11870	*9290	*9290	*8060	6340	6800	3870	9.77
3.0m	kg			*15200	13420	*10870	8630	*8870	6000	6450	3610	9.97
1.5 m	kg			*17480	12430	*12250	8060	*9650	5690	6420	3570	9.91
Ground Line	kg			*18200	12080	*13060	7730	9870	5480	6740	3750	9.59
-1.5 m	kg	*17830	*17830	*17860	12060	*13180	7610	9790	5410	7540	4230	8.97
-3.0 m	kg	*22850	*22850	*16580	12250	*12430	7700			*7850	5260	7.97
-4.5 m	kg	*18790	*18790	*13880	12720					*7110	*7110	6.39

Boom : 6.5 m / Arm : 3.2 m / Bucket : 1.62 m³ SAE heaped / Shoe : 600mm triple grouser

Load point height (m)		Load radius 1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach Capacity		Reach
																(m)
9.0 m	kg													*5950	*5950	7.97
7.5 m	kg									*4560	*4560			*6020	4820	9.12
6.0 m	kg									*6620	*6620			*6110	4010	9.87
4.5 m	kg							*8260	*8260	*7320	6530	*4450	*4450	*6190	3550	10.32
3.0m	kg					*13520	*13520	*9960	8910	*8240	6150	*6360	4430	5940	3310	10.50
1.5 m	kg					*16390	12870	*11570	8270	*9170	5790	*7510	4230	5890	3250	10.45
Ground Line	kg			*13090	*13090	*17880	12230	*12690	7820	*9880	5520	*7070	4090	6130	3380	10.14
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	12020	*13170	7600	9750	5370			6730	3740	9.57
-3.0 m	kg	*17880	*17880	*22800	*22800	*17430	12080	*12880	7580	9750	5370			*7730	4490	8.65
-4.5 m	kg	*22600	*22600	*21880	*21880	*15520	12390	*11510	7790					*7690	6200	7.25
-6.0 m	kg					*11410	*11410									

1. Lifting capacity is based on 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

R380LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m / Arm : 3.9 m / Bucket : 1.62 m³ 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		9.0 m		Capacity		Reach
																(m)
9.0 m	kg													*5220	*5220	8.81
7.5 m	kg													*5320	4160	9.85
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3500	10.54
4.5 m	kg									*6570	*6570	*5410	4620	5590	3110	10.95
3.0m	kg			*19700	*19700	*11910	*11910	*9000	*9000	*7540	6160	*6730	4390	5320	2900	11.13
1.5 m	kg			*12690	*12690	*15110	13050	*10740	8290	*8560	5750	*7320	4160	5270	2830	11.07
Ground Line	kg			*13710	*13710	*17120	12180	*12090	7750	*9410	5420	7260	3970	5440	2920	10.79
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	11810	*12830	7440	9590	5220	7140	3860	5900	3190	10.26
-3.0 m	kg	*16240	*16240	*21070	*21070	*17610	11760	*12860	7340	9520	5150			6820	3740	9.42
-4.5 m	kg	*20300	*20300	*23540	*23540	*16240	11970	*11980	7460	*8980	5280			*7360	4900	8.17
-6.0 m	kg			*18730	*18730	*13200	12480									

Boom : 6.5 m / Arm : 4.3 m / Bucket : 1.62 m³ 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		9.0 m		10.5 m		Capacity		Reach
																		(m)
9.0 m	kg															*4970	4590	9.45
7.5 m	kg											*2710	*2710			*4770	3660	10.42
6.0 m	kg											*4420	*4420			*4670	3100	11.07
4.5 m	kg									*6030	*6030	*5580	4660			*4690	2770	11.46
3.0m	kg			*16870	*16870	*10740	*10740	*8310	*8310	*7050	6230	*6340	4420	*2620	*2620	*4830	2590	11.63
1.5 m	kg			*13700	*13700	*14150	13320	*10140	8400	*8130	5790	*6980	4170	*2950	*2950	4820	2540	11.58
Ground Line	kg			*13070	*13070	*16510	12280	*11640	7790	*9070	5420	7240	3950			4970	2610	11.31
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	11770	*12570	7410	9560	5170	7080	3800			5350	2830	10.81
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	11630	*12820	7260	9440	5070	*6600	3760			6100	3290	10.02
-4.5 m	kg	*18210	*18210	*24070	*24070	*16690	11760	*12250	7310	*9310	5120					*6710	4190	8.87
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	12180	*10350	7610							*6520	6280	7.15

Boom : 6.5 m / Arm : 3.2 m / Bucket : 1.62 m³ SAE heaped / Shoe : 800mm 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)
9.0 m	kg													*5950	*5950	7.97
7.5 m	kg									*4560	*4560			*6020	4950	9.12
6.0 m	kg									*6620	*6620			*6110	4130	9.87
4.5 m	kg							*8260	*8260	*7320	6690	*4450	*4450	*6190	3660	10.32
3.0m	kg					*13520	*13520	*9960	9130	*8240	6320	*6360	4560	6110	3420	10.50
1.5 m	kg					*16390	13200	*11570	8480	*9170	5960	*7510	4360	6070	3360	10.45
Ground Line	kg			*13090	*13090	*17880	12550	*12690	8040	*9880	5680	*7070	4220	6310	3490	10.14
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	12350	*13170	7820	10020	5530			6930	3860	9.57
-3.0 m	kg	*17880	*17880	*22800	*22800	*17430	12410	*12880	7800	*9900	5540			*7730	4630	8.65
-4.5 m	kg	*22600	*22600	*21880	*21880	*15520	12720	*11510	8000					*7690	6370	7.25
-6.0 m	kg					*11410	*11410									

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

R380LC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m / Arm : 3.9 m / Bucket : 1.62 m³ SAE heaped / Shoe : 800mm 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)
9.0 m	kg													*5220	*5220	8.81
7.5 m	kg													*5320	4280	9.85
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3610	10.54
4.5 m	kg									*6570	*6570	*5410	4750	*5660	3210	10.95
3.0m	kg			*19700	*19700	*11910	*11910	*9000	*9000	*7540	6320	*6730	4530	5480	3000	11.13
1.5 m	kg			*12690	*12690	*15110	13370	*10740	8500	*8560	5920	*7320	4290	5430	2940	11.07
Ground Line	kg			*13710	*13710	*17120	12510	*12090	7970	*9410	5590	7470	4100	5610	3030	10.79
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	12130	*12830	7660	9870	5380	7350	3990	6080	3300	10.26
-3.0 m	kg	*16240	*16240	*21070	*21070	*17610	12090	*12860	7560	9800	5320			7020	3870	9.42
-4.5 m	kg	*20300	*20300	*23540	*23540	*16240	12290	*11980	7670	*8980	5440			*7360	5050	8.17
-6.0 m	kg			*18730	*18730	*13200	12800									

Boom : 6.5 m / Arm : 4.3 m / Bucket : 1.62 m³ SAE heaped / Shoe : 800mm 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		10.5 m		Capacity		Reach
																		(m)
9.0 m	kg															*4970	4720	9.45
7.5 m	kg											*2710	*2710			*4770	3770	10.42
6.0 m	kg											*4420	*4420			*4670	3210	11.07
4.5 m	kg									*6030	*6030	*5580	4800			*4690	2870	11.46
3.0m	kg			*16870	*16870	*10740	*10740	*8310	*8310	*7050	6390	*6340	4550	*2620	*2620	*4830	2690	11.63
1.5 m	kg			*13700	*13700	*14150	13650	*10140	8610	*8130	5960	*6980	4300	*2950	*2950	4970	2630	11.58
Ground Line	kg			*13070	*13070	*16510	12610	*11640	8010	*9070	5590	7450	4080			5120	2710	11.31
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	12100	*12570	7630	*9700	5340	7290	3930			5520	2940	10.81
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	11960	*12820	7480	9710	5230	*6600	3900			6280	3410	10.02
-4.5 m	kg	*18210	*18210	*24070	*24070	*16690	12090	*12250	7530	*9310	5290					*6710	4320	8.87
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	12510	*10350	7830							*6520	6450	7.15

Boom : 8.6 m / Arm : 5.1 m / Bucket : 1.46 m³ 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		9.0 m		10.5 m		12.0 m		13.5 m		Capacity		Reach
																						(m)
9.0 m	kg													*3010	*3010					*3030	2510	12.91
7.5 m	kg													*3110	*3110	*2630	*2630			*3100	2100	13.61
6.0 m	kg													*3360	*3360	*3300	2820			*3180	1820	14.10
4.5 m	kg											*4100	*4100	*3730	3670	*3520	2680			*3290	1640	14.40
3.0m	kg					*10920	*10920	*7400	*7400	*5710	*5710	*4750	4620	*4160	3410	*3790	2520	*1720	*1720	3310	1530	14.53
1.5 m	kg					*10890	*10890	*8990	8120	*6710	5760	*5420	4230	*4610	3150	*4090	2350	*1900	1730	3270	1480	14.49
Ground Line	kg					*10400	*10400	*10190	7440	*7560	5280	*6010	3900	*5030	2930	*4370	2210			3320	1500	14.28
-1.5 m	kg			*7990	*7990	*11720	11200	*10930	7060	*8180	4970	*6480	3670	*5370	2770	4390	2110			3470	1590	13.90
-3.0 m	kg	*8910	*8910	*10270	*10270	*13880	11160	*11250	6900	*8540	4800	*6780	3530	5420	2670	4340	2060			3760	1770	13.31
-4.5 m	kg	*11090	*11090	*12810	*12810	*15320	11300	*11200	6910	*8610	4760	*6850	3490	5400	2660					4230	2080	12.50
-6.0 m	kg	*13540	*13540	*15800	*15800	*14460	11590	*10750	7050	*8340	4850	*6630	3570	*5260	2770					4390	2610	11.41
-7.5 m	kg	*16440	*16440	*18490	*18490	*12970	12050	*9770	7350	*7580	5080	*5850	3790							4450	3570	9.94
-9.0 m	kg			*14620	*14620	*10500	*10500	*7900	7870	*5800	5550											

1. Lifting capacity is based on 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

R380NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.15 m / Arm : 2.5 m / Bucket : 1.62 m³ 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)
9.0 m	kg									*7580	*7580	6.65
7.5 m	kg									*7420	5530	8.02
6.0 m	kg					*8590	*8590	*6510	6040	*7460	4430	8.88
4.5 m	kg	*18270	*18270	*12170	*12170	*9790	8610	*8620	5840	*7590	3840	9.38
3.0m	kg			*15380	12380	*11300	7980	*9350	5530	7290	3550	9.58
1.5 m	kg			*17740	11320	*12640	7420	*10060	5230	7250	3490	9.52
Ground Line	kg	*13400	*13400	*18580	10830	*13410	7050	10450	5010	7620	3650	9.19
-1.5 m	kg	*21020	*21020	*18170	10700	*13400	6880	*10300	4910	*8340	4140	8.53
-3.0 m	kg	*22960	21920	*16580	10810	*12330	6930			*8180	5240	7.47
-4.5 m	kg	*17870	*17870	*13110	11220							

Boom : 6.5 m / Arm : 2.5 m / Bucket : 1.62 m³ 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)
9.0 m	kg									*6820	6650	7.22
7.5 m	kg									*6770	4790	8.49
6.0 m	kg					*7970	*7970	*7480	5870	*6850	3890	9.29
4.5 m	kg			*11870	*11870	*9290	8250	*8060	5620	*7010	3390	9.77
3.0m	kg			*15200	11640	*10870	7590	*8870	5290	6680	3150	9.97
1.5 m	kg			*17480	10700	*12250	7050	*9650	4990	6650	3110	9.91
Ground Line	kg			*18200	10370	*13060	6720	*10170	4790	6980	3270	9.59
-1.5 m	kg	*17830	*17830	*17860	10350	*13180	6610	10130	4710	7810	3700	8.97
-3.0 m	kg	*22850	21630	*16580	10540	*12430	6700			*7850	4620	7.97
-4.5 m	kg	*18790	*18790	*13880	10980					*7110	6920	6.39

Boom : 6.5 m / Arm : 3.2 m / Bucket : 1.62 m³ 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)
9.0 m	kg											*5950	5700	7.97
7.5 m	kg									*4560	*4560	*6020	4290	9.12
6.0 m	kg									*6620	6090	*6110	3530	9.87
4.5 m	kg							*8260	*8260	*7320	5800	*6190	3110	10.32
3.0m	kg					*13520	12300	*9960	7870	*8240	5440	6150	2880	10.50
1.5 m	kg					*16390	11120	*11570	7240	*9170	5090	6110	2820	10.45
Ground Line	kg			*13090	*13090	*17880	10510	*12690	6820	*9880	4820	6350	2930	10.14
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	10310	*13170	6600	10090	4680	6980	3250	9.57
-3.0 m	kg	*17880	*17880	*22800	21170	*17430	10380	*12880	6590	*9900	4680	*7730	3930	8.65
-4.5 m	kg	*22600	*22600	*21880	21780	*15520	10670	*11510	6780			*7690	5450	7.25
-6.0 m	kg					*11410	11310							

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

R380NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m / Arm : 3.9 m / Bucket : 1.62 m³ 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		9.0 m		Capacity		Reach
																(m)
9.0 m	kg													*5220	4750	8.81
7.5 m	kg													*5320	3680	9.85
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3060	10.54
4.5 m	kg									*6570	5840	*5410	4070	*5660	2700	10.95
3.0m	kg			*19700	*19700	*11910	*11910	*9000	7960	*7540	5440	*6730	3850	5520	2500	11.13
1.5 m	kg			*12690	*12690	*15110	11280	*10740	7260	*8560	5040	*7320	3630	5470	2440	11.07
Ground Line	kg			*13710	*13710	*17120	10460	*12090	6740	*9410	4720	7520	3440	5650	2510	10.79
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	10110	*12830	6440	*9910	4520	7400	3330	6120	2750	10.26
-3.0 m	kg	*16240	*16240	*21070	20560	*17610	10060	*12860	6350	9860	4460			7070	3250	9.42
-4.5 m	kg	*20300	*20300	*23540	21050	*16240	10260	*11980	6460	*8980	4580			*7360	4280	8.17
-6.0 m	kg			*18730	*18730	*13200	10740									

Boom : 6.5 m / Arm : 4.3 m / Bucket : 1.62 m³ 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		9.0 m		10.5 m		Capacity		Reach
																		(m)
9.0 m	kg															*4970	4080	9.45
7.5 m	kg											*2710	*2710			*4770	3210	10.42
6.0 m	kg											*4420	4290			*4670	2700	11.07
4.5 m	kg									*6030	5920	*5580	4120			*4690	2390	11.46
3.0m	kg			*16870	*16870	*10740	*10740	*8310	8110	*7050	5500	*6340	3880	*2620	*2620	*4830	2220	11.63
1.5 m	kg			*13700	*13700	*14150	11530	*10140	7360	*8130	5080	*6980	3630	*2950	2620	5010	2160	11.58
Ground Line	kg			*13070	*13070	*16510	10550	*11640	6770	*9070	4720	7500	3410			5160	2220	11.31
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	10070	*12570	6410	*9700	4480	7340	3270			5560	2420	10.81
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	9940	*12820	6260	9700	4370	*6600	3240			6330	2840	10.02
-4.5 m	kg	*18210	*18210	*24070	*20670	*16690	10060	*12250	6310	*9310	4430					*6710	3640	8.87
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	10450	*10350	6600							*6520	5510	7.15

1. Lifting capacity is based on 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.