Robex

380LC-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES

Photo may include optional equipment

HYUNDAI

CONSTRUCTION EQUIPMENT AMERICAS, INC.

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 380LC-9A

Machine Walk-Around

*Photo may include optional equipment.

Engine Technology

Proven, reliable, fuel efficient, low emission and low noise
Cummins Tier 4 interim & EU stage III B engine

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

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
Reduced front window seam for improved operator view
Closeable sunshade and roll-up type sun visor for operator convenience

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
Heated suspension seat (standard) or optional air ride suspension seat with heater
New joystick consoles - now adjustable in height by pushing the button
Integrated seat with consoles - reduce the operator fatigue

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

PRECISION

Innovative hydraulic system technologies make the 9A 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.

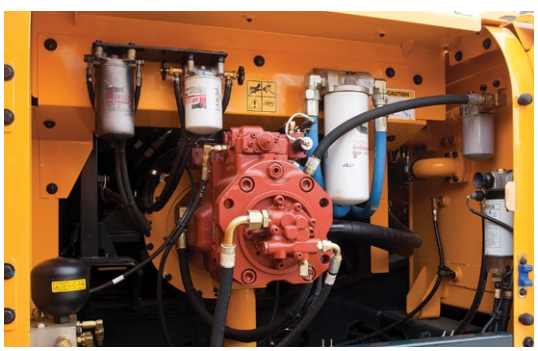
Work Mode

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.

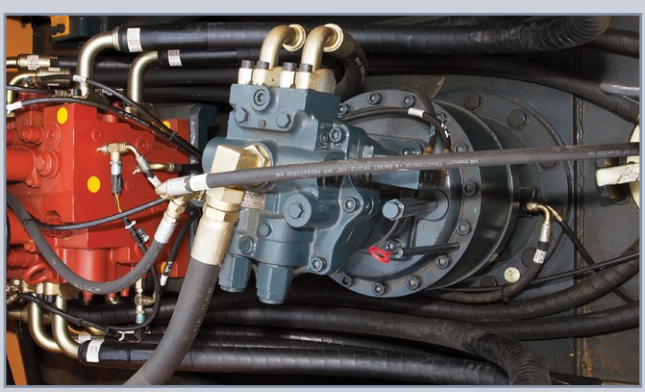
Improved Hydraulic System



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 9A 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.

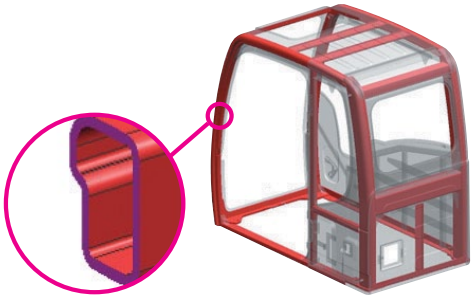
PERFORMANCE

9A 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.



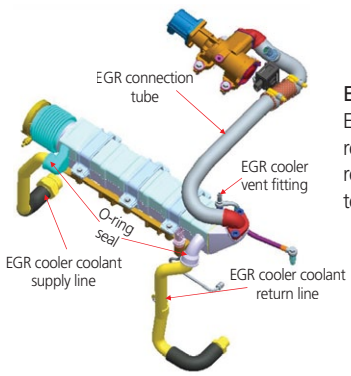
Structure Strength

The 9A 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.

Cummins QSL9 Engine

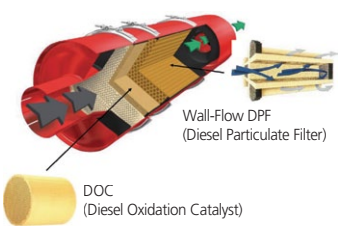
Built on a heritage of reliability and durability, Cummins QSL9 for Tier 4 Interim/Stage IIIB regulations takes a major step forward with the introduction of an Xtra-High Pressure Injection (XPI) fuel system. This heavy-duty system delivers a constant stream of pressurized fuel across all engine rpm speeds, providing cleaner combustion and improved engine response with multiple injections every combustion cycle. The fuel system is complemented by Cummins VGT, which continuously varies the airflow to precisely match engine rpm and load demands for optimal performance.

Each component and system is carefully matched and managed through a more robust Electronic Control Module (ECM) and the Cummins Particulate Filter. The total integration and optimization of all elements working together results in better performance, lower maintenance and better fuel economy than the previous model. The QSL9 for Tier 4 Interim/Stage IIIB is designed to provide the lowest cost of operation in its class, delivering superior lifetime value.



EGR (Exhaust Gas Recirculation)

EGR works by recirculating a portion of an engine's exhaust gas back to the engine cylinders. In a diesel engine, the exhaust gas replaces some of the excess oxygen in the pre-combustion mixture. The lower combustion chamber temperatures caused by EGR reduces the amount of NOx the combustion generates. This Eco-friendly system improves engine life through reduced cylinder temperatures and total cost of ownership is lower than that of SCR since there is no need for maintenance.



DPF - Clean Emission Aftertreatment Module

DPF - Robust Clean Emission Aftertreatment Module - contains a DOC (Diesel Oxidation Catalyst) and DPF (Diesel Particulate Filter). High efficient DPF reduces more than 90% of particulate matter. Regeneration, the process by which soot is removed from DPF, is automatically done in both passive and active way depending on the soot level and does not interrupt the daily machine operation. The operator can also initiate regeneration manually or disable regeneration on the working environment.

VGT (Variable Geometry Turbocharger)

Newly designed VGT with electric actuator delivers optimum air flow resulting in cleaner exhaust gas, quick transient acceleration and improved fuel economy by combining the benefits of low & high engine speed.

PREFERENCE

Operating a 9A 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 has 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 of the machine surroundings and the job at hand. This well-balanced combination of comfort and visibility puts the operator in the perfect position to work safely and securely.

Operator Comfort

In 9A series cabin you can easily adjust the seat, console and armrest settings to best suit your comfort level. The seat is integrated with console and absorbs console vibration with the seat suspension to reduce operator's fatigue. New joystick consoles are adjustable in height by pushing a button. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, radio / USB player, and a remote control for hands-free bluetooth and hands-free radio walkie-talkie.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9A series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo and MP3 capabilities, plus remotely located controls, is perfect for listening to your faavorite music.
Operators can talk on the phone with the hands-free cell phone feature. The newly designed optional remote control offers mobile hands-free bluetooth and hands-free radio cable function.

Smart Key System (Option)

9A series excavators provide smart key system as an option. This allows the operator to start the engine by the push of a starter button without inserting a key in the ignition.

Operator - Friendly Cluster

The advanced new cluster with 7-inch wide color LCD touch screen and toggle switches 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.
The newly applied FM transmitter application transmits signal to USB & radio
player with the same frequency as the cluster. The player outputs the audio through the internal speaker in the cab. An adjustable cluster hinge bracket improves cluster visibility, and video & firmware updates are easy with the USB host support.

Monitor Tilt Range

Horizontal
Total : 15°

Vertical
Total : 30°

PROFITABILITY

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

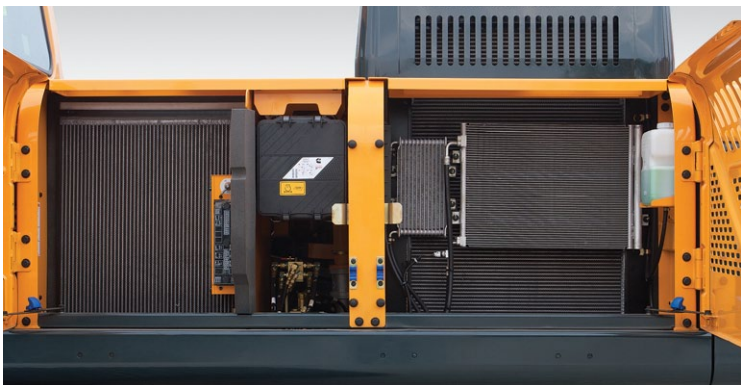
*Photo may include optional equipment.

Fuel Efficiency

9A 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.

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 9A series.

Long-Life Components

9A series excavators were designed with bushings with 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			Cummins QSL9
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)	310 HP (231 kW)/ 1,650 rpm
		J1349 (net)	290 HP (216 kW)/ 1,650 rpm
	DIN	6271/1 (gross)	314 PS (231 kW)/ 1,650 rpm
		6271/1 (net)	294 PS (216 kW)/ 1,650 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			8,900 cc (540 in^3)
Batteries			2 X 12 V X 160 AH
Starting motor			24 V- 7.5 kW
Alternator			24 V- 95 Amp

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 (4,690 psi)
Travel	360 kgf/cm^2 (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm^2 (5,120 psi)
Swing circuit	290 kgf/cm^2 (4,125 psi)
Pilot circuit	40 kgf/cm^2 (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-160 X 1,500 mm (6.3"X 59.1")
	Arm: 1-170 X 1,760 mm (6.7" X 69.3")
	Bucket: 1-150 X 1,295 mm (5.9" X 51.0")

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 (70,550 lbf)
Max. travel speed(high) / (low)	4.8 km/hr (3.0 mph) / 3.1 km/hr (1.9 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

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	9.4 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	600	158.5	132
Engine coolant	55	14.5	12.1
Engine oil	30	7.9	6.6
Swing device-gear oil	8	2.1	1.8
Final drive(each)-gear oil	5.5	1.5	1.2
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)

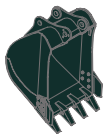
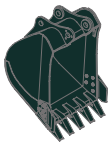
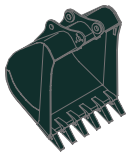
Operating weight, including 6,500mm (21' 4") boom, 3,200mm (10' 6") arm, SAE heaped 1.62m^3 (2.12 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT		
Type	R380LC-9A	R380NLC-9A
Upperstructure	8,750 kg (19,290 lb)	
Boom (with Arm cylinder)	3,780 kg (8,330 lb)	
Arm (with Bucket cylinder)	2,010 kg (4,430 lb)	

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm^2(psi)
Triple grouser	600 (24")	R380LC-9A	38,200 (84,220)	0.68 (9.67)
		R380NLC-9A	38,100 (84,000)	0.68 (9.67)
	700 (28")	R380LC-9A	38,650 (85,210)	0.59 (8.39)
	750 (30")	R380LC-9A	38,875 (85,700)	0.56 (7.96)
	800 (32")	R380LC-9A	39,100 (86,200)	0.52 (7.39)
	900 (36")	R380LC-9A	39,550 (87,190)	0.47 (6.68)
Heavy duty	600 (24")	R380LC-9A	38,590 (85,080)	0.69 (9.81)
	700 (28")	R380LC-9A	39,110 (86,220)	0.60 (8.53)
Double grouser	600 (24")	R380LC-9A	38,445 (84,760)	0.69 (9.81)
	700 (28")	R380LC-9A	38,945 (85,860)	0.60 (8.53)

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m^3 (yd^3)	1.46 (1.91)	1.62 (2.12) 1.86 (2.43)	2.10 (2.75) 2.32 (3.03)	◈ 1.62 (2.12)	◉ 1.44 (1.88) ◉ 1.62 (2.12) ◉ 1.86 (2.43)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft·in)					
					6,500 (21′ 4″) Boom				6,150 (20′ 2″) Boom	8,600 (28′ 3″) Boom
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		2,500 (8′ 2″) Arm	3,200 (10′ 6″) Arm	3,900 (12′ 10″) Arm	4,300 (14′ 1″) Arm	2,500 (8′ 2″) Arm	5,100 (16′ 9″) Arm
1.46 (1.91)	1.27 (1.66)	1,380 (54.3)	1,510 (59.4)	1,170 (2,580)	●	●	●	●	●	▲
1.62 (2.12)	1.40 (1.83)	1,440 (56.7)	1,570 (61.8)	1,280 (2,820)	●	●	■	■	●	–
1.86 (2.43)	1.60 (2.09)	1,620 (63.8)	1,750 (68.9)	1,390 (3,060)	●	●	■	▲	●	–
2.10 (2.75)	1.80 (2.35)	1,810 (71.3)	1,940 (76.4)	1,520 (3,350)	■	■	▲	–	●	–
2.32 (3.03)	2.00 (2.62)	1,990 (78.3)	2,120 (83.5)	1,760 (3,880)	▲	▲	▲	–	■	–
◈ 1.62 (2.12)	1.40 (1.83)	1,540 (60.6)	-	1,570 (3,460)	●	●	■	▲	●	–
◉ 1.44 (1.88)	1.27 (1.66)	1,280 (50.4)	-	1,565 (3,450)	●	●	■	▲	●	–
◉ 1.62 (2.12)	1.40 (1.83)	1,545 (60.8)	-	1,610 (3,550)	●	●	■	▲	●	–
◉ 1.86 (2.43)	1.60 (2.09)	1,725 (67.9)	-	1,710 (3,770)	■	■	–	–	■	–

◈ Heavy duty bucket

◉ Rock-heavy duty bucket

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

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

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

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 6.15m (20′ 2″), 6.5m (21′ 4″), 8.6m (28′ 3″) booms and 2.5m (8′ 2″), 3.2m (10′ 6″), 3.9m (12′ 10″), 4.3m (14′ 1″), 5.1m (16′ 9″) arms are available.

DIGGING FORCE

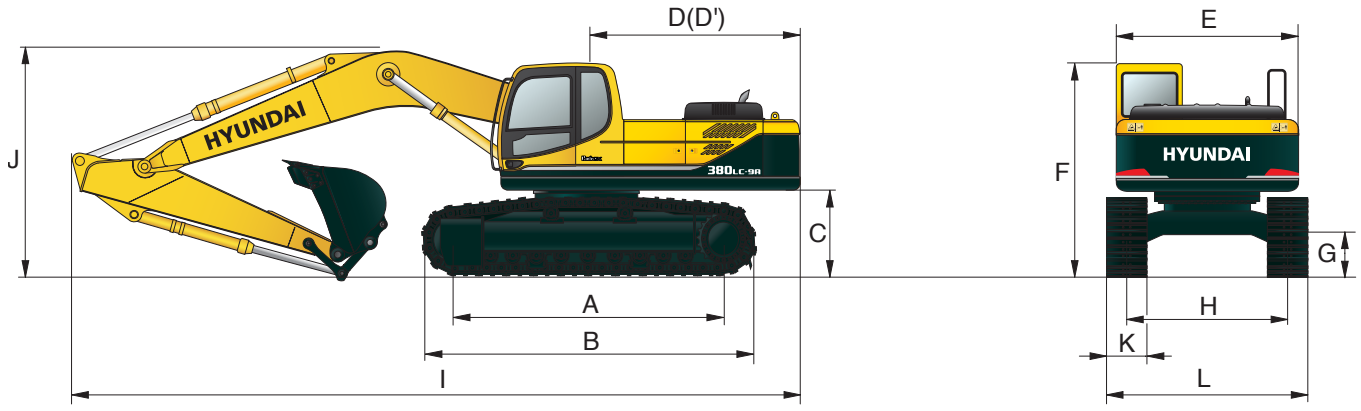
Boom	Length	mm (ft·in)	6,500 (21′ 4″)				8,600 (28′ 3″)	Remarks
	Weight	kg (lb)	3,780 (8,330)				4,560 (10,050)	
Arm	Length	mm (ft·in)	2500 (8′ 2″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	5,100 (16′ 9″)	
	Weight	kg (lb)	1,990 (4,390)	2,010 (4,430)	2,220 (4,890)	2,340 (5,160)	2,560 (5,640)	
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	[ ]: Power Boost
		kgf	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]	
	ISO	kN	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]	
		lbf	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]	135.3 [147.6]	124.5 [135.9]	109.8 [119.8]	
		kgf	18,800 [20,510]	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]	30,420 [33,190]	28,000 [30,550]	24,690 [26,930]	
	ISO	kN	192.2 [209.7]	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]	14,200 [15,490]	13,100 [14,290]	11,500 [12,550]	
		lbf	43,210 [47,140]	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-9A / R380NLC-9A DIMENSIONS



mm (ft·in)

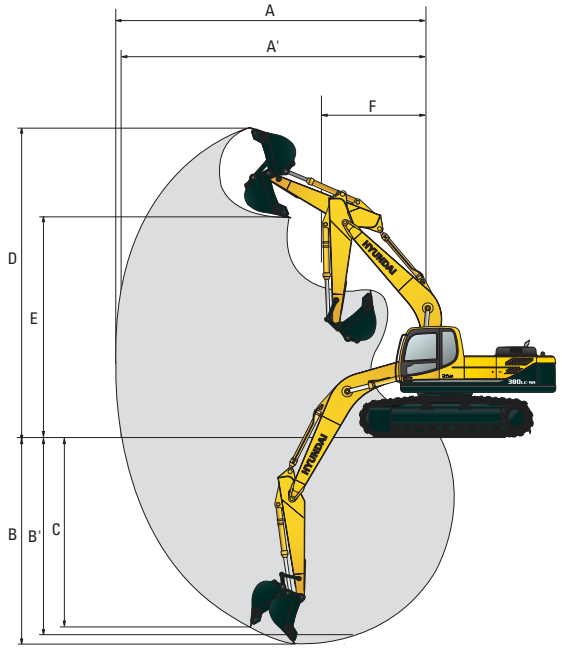
A	Tumbler distance		4,340 (14′ 3″)
B	Overall length of crawler		5,280 (17′ 4″)
C	Ground clearance of counterweight		1,290 (4′ 3″)
D	Tail swing radius		3,415 (11′ 2″)
D′	Rear-end length		3,350 (10′ 12″)
E	Overall width of upperstructure		2,980 (9′ 9″)
F	Overall height of cab		3,175 (10′ 5″)
G	Min. ground clearance		550 (1′ 10″)
H	Track gauge	R380LC-9A	2,740 (8′ 12″)
		R380NLC-9A	2,390 (7′ 10″)

mm (ft·in)

	Boom length	6,500 (21′ 4″)				6,150 (20′ 2″)	8,600 (28′ 3″)
	Arm length	2,500 (8′ 2″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	2,500 (8′ 2″)	5,100 (16′ 9″)
I	Overall length	11,240 (36′ 11″)	11,120 (36′ 6″)	11,160 (36′ 7″)	11,110 (36′ 5″)	10,880 (35′ 8″)	13,070 (42′ 11″)
J	Overall height of boom	3,710 (12′ 2″)	3,450 (11′ 4″)	3,880 (12′ 9″)	4,300 (14′ 1″)	3,760 (12′ 4″)	4,910 (16′ 1″)

K	Track shoe width	600 (24″)		700 (28″)	750 (30″)	800 (32″)	900 (36″)
L	Overall width	R380LC-9A	3,340 (10′ 11″)	3,440 (11′ 3″)	3,490 (11′ 5″)	3,540 (11′ 7″)	3,640 (11′ 11″)
		R380NLC-9A	2,990 (9′ 10″)	3,090 (10′ 2″)	3,190 (10′ 6″)	3,290 (10′ 10″)	3,390 (11′ 1″)

R380LC-9A / R380NLC-9A WORKING RANGE



mm (ft·in)

	Boom length	6,500 (21′ 4″)				6,150 (20′ 2″)	8,600 (28′ 3″)
	Arm length	2,500 (8′ 2″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	2,500 (8′ 2″)	5,100 (16′ 9″)
A	Max. digging reach	10,720 (35′ 2″)	11,250 (36′ 11″)	11,870 (38′ 11″)	12,380 (40′ 7″)	10,330 (33′ 11″)	15,280 (50′ 2″)
A′	Max. digging reach on ground	10,490 (34′ 5″)	11,040 (36′ 3″)	11,670 (38′ 3″)	12,180 (39′ 12″)	10,100 (33′ 2″)	15,120 (49′ 7″)
B	Max. digging depth	6,820 (22′ 5″)	7,520 (24′ 8″)	8,220 (26′ 12″)	8,620 (28′ 3″)	6,450 (21′ 2″)	11,230 (36′ 10″)
B′	Max. digging depth (8′ level)	6,640 (21′ 9″)	7,360 (24′ 2″)	8,080 (26′ 6″)	8,490 (27′ 10″)	6,270 (20′ 7″)	11,120 (36′ 6″)
C	Max. vertical wall digging depth	5,930 (19′ 5″)	6,330 (20′ 9″)	7,040 (23′ 1″)	7,540 (24′ 9″)	5,490 (18′ 0″)	10,060 (33′ 0″)
D	Max. digging height	10,590 (34′ 9″)	10,570 (34′ 8″)	10,800 (35′ 5″)	11,360 (37′ 3″)	10,320 (33′ 10″)	13,350 (43′ 10″)
E	Max. dumping height	7,370 (24′ 2″)	7,410 (24′ 4″)	7,640 (25′ 1″)	8,160 (26′ 9″)	7,120 (23′ 4″)	10,150 (33′ 4″)
F	Min. swing radius	4,530 (14′ 10″)	4,450 (14′ 7″)	4,440 (14′ 7″)	4,460 (14′ 8″)	4,220 (13′ 10″)	5,900 (19′ 4″)

Lifting Capacity

R380LC-9A

Rating over-front Rating over-side or 360 degree

Boom : 6.15 m (20′ 2″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
9.0 m	kg									*7580	*7580	6.65
(30 ft)	lb									*16710	*16710	(21.8)
7.5 m	kg									*7420	6190	8.02
(25 ft)	lb									*16360	13650	(26.3)
6.0 m	kg					*8590	*8590	*6510	*6510	*7460	4980	8.88
(20 ft)	lb					*18940	*18940	*14350	*14350	*16450	10980	(29.1)
4.5 m	kg	*18270	*18270	*12170	*12170	*9790	9680	*8620	6560	7480	4350	9.38
(15 ft)	lb	*40280	*40280	*26830	*26830	*21580	21340	*19000	14460	16490	9590	(30.8)
3.0m	kg			*15380	14190	*11300	9030	*9350	6250	7050	4040	9.58
(10 ft)	lb			*33910	31280	*24910	19910	*20610	13780	15540	8910	(31.4)
1.5 m	kg			*17740	13080	*12640	8450	*10060	5940	7010	3980	9.52
(5 ft)	lb			*39110	28840	*27870	18630	*22180	13100	15450	8770	(31.2)
Ground	kg	*13400	*13400	*18580	12560	*13410	8060	10120	5710	7360	4170	9.19
Line	lb	*29540	*29540	*40960	27690	*29560	17770	22310	12590	16230	9190	(30.2)
-1.5 m	kg	*21020	*21020	*18170	12420	*13400	7880	10010	5610	8290	4710	8.53
(-5 ft)	lb	*46340	*46340	*40060	27380	*29540	17370	22070	12370	18280	10380	(28.0)
-3.0 m	kg	*22960	*22960	*16580	12540	*12330	7930			*8180	5950	7.47
(-10 ft)	lb	*50620	*50620	*36550	27650	*27180	17480			*18030	13120	(24.5)
-4.5 m	kg	*17870	*17870	*13110	12970							
(-15 ft)	lb	*39400	*39400	*28900	28590							

Boom : 6.5 m (21′ 4″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
9.0 m	kg									*6820	*6820	7.22
(30 ft)	lb									*15040	*15040	(23.7)
7.5 m	kg									*6770	5390	8.49
(25 ft)	lb									*14930	11880	(27.9)
6.0 m	kg					*7970	*7970	*7480	6600	*6850	4400	9.29
(20 ft)	lb					*17570	*17570	*16490	14550	*15100	9700	(30.5)
4.5 m	kg			*11870	*11870	*9290	*9290	*8060	6340	6800	3870	9.77
(15 ft)	lb			*26170	*26170	*20480	*20480	*17770	13980	14990	8530	(32.1)
3.0m	kg			*15200	13420	*10870	8630	*8870	6000	6450	3610	9.97
(10 ft)	lb			*33510	29590	*23960	19030	*19550	13230	14220	7960	(32.7)
1.5 m	kg			*17480	12430	*12250	8060	*9650	5690	6420	3570	9.91
(5 ft)	lb			*38540	27400	*27010	17770	*21270	12540	14150	7870	(32.5)
Ground	kg			*18200	12080	*13060	7730	9870	5480	6740	3750	9.59
Line	lb			*40120	26630	*28790	17040	21760	12080	14860	8270	(31.5)
-1.5 m	kg	*17830	*17830	*17860	12060	*13180	7610	9790	5410	7540	4230	8.97
(-5 ft)	lb	*39310	*39310	*39370	26590	*29060	16780	21580	11930	16620	9330	(29.4)
-3.0 m	kg	*22850	*22850	*16580	12250	*12430	7700			*7850	5260	7.97
(-10 ft)	lb	*50380	*50380	*36550	27010	*27400	16980			*17310	11600	(26.1)
-4.5 m	kg	*18790	*18790	*13880	12720					*7110	*7110	6.39
(-15 ft)	lb	*41420	*41420	*30600	28040					*15670	*15670	(21.0)

Boom : 6.5 m (21′ 4″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
9.0 m	kg													*5950	*5950	7.97
(30 ft)	lb													*13120	*13120	(26.1)
7.5 m	kg									*4560	*4560			*6020	4820	9.12
(25 ft)	lb									*10050	*10050			*13270	10630	(29.9)
6.0 m	kg									*6620	*6620			*6110	4010	9.87
(20 ft)	lb									*14590	*14590			*13470	8840	(32.4)
4.5 m	kg							*8260	*8260	*7320	6530	*4450	*4450	*6190	3550	10.32
(15 ft)	lb							*18210	*18210	*16140	14400	*9810	*9810	*13650	7830	(33.9)
3.0m	kg					*13520	*13520	*9960	8910	*8240	6150	*6360	4430	5940	3310	10.50
(10 ft)	lb					*29810	*29810	*21960	19640	*18170	13560	*14020	9770	13100	7300	(34.4)
1.5 m	kg					*16390	12870	*11570	8270	*9170	5790	*7510	4230	5890	3250	10.45
(5 ft)	lb					*36130	28370	*25510	18230	*20220	12760	*16560	9330	12990	7170	(34.3)
Ground	kg			*13090	*13090	*17880	12230	*12690	7820	*9880	5520	*7070	4090	6130	3380	10.14
Line	lb			*28860	*28860	*39420	26960	*27980	17240	*21780	12170	*15590	9020	13510	7450	(33.3)
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	12020	*13170	7600	9750	5370			6730	3740	9.57
(-5 ft)	lb	*30250	*30250	*38620	*38620	*40010	26500	*29030	16760	21500	11840			14840	8250	(31.4)
-3.0 m	kg	*17880	*17880	*22800	*22800	*17430	12080	*12880	7580	9750	5370			*7730	4490	8.65
(-10 ft)	lb	*39420	*39420	*50270	*50270	*38430	26630	*28400	16710	21500	11840			*17040	9900	(28.4)
-4.5 m	kg	*22600	*22600	*21880	*21880	*15520	12390	*11510	7790					*7690	6200	7.25
(-15 ft)	lb	*49820	*49820	*48240	*48240	*34220	27320	*25380	17170					*16950	13670	(23.8)
-6.0 m	kg					*11410	*11410									
(-20 ft)	lb					*25150	*25150									

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-9A

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m (21′ 4″) / Arm : 3.9 m (12′ 10″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
9.0 m	kg													*5220	*5220	8.81
(30 ft)	lb													*11510	*11510	(28.9)
7.5 m	kg													*5320	4160	9.85
(25 ft)	lb													*11730	9170	(32.3)
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3500	10.54
(20 ft)	lb									*12830	*12830	*7980	*7980	*12100	7720	(34.6)
4.5 m	kg									*6570	*6570	*5410	4620	5590	3110	10.95
(15 ft)	lb									*14480	*14480	*11930	10190	12320	6860	(35.9)
3.0m	kg			*19700	*19700	*11910	*11910	*9000	*9000	*7540	6160	*6730	4390	5320	2900	11.13
(10 ft)	lb			*43430	*43430	*26260	*26260	*19840	*19840	*16620	13580	*14840	9680	11730	6390	(36.5)
1.5 m	kg			*12690	*12690	*15110	13050	*10740	8290	*8560	5750	*7320	4160	5270	2830	11.07
(5 ft)	lb			*27980	*27980	*33310	28770	*23680	18280	*18870	12680	*16140	9170	11620	6240	(36.3)
Ground	kg			*13710	*13710	*17120	12180	*12090	7750	*9410	5420	7260	3970	5440	2920	10.79
Line	lb			*30230	*30230	*37740	26850	*26650	17090	*20750	11950	16010	8750	11990	6440	(35.4)
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	11810	*12830	7440	9590	5220	7140	3860	5900	3190	10.26
(-5 ft)	lb	*27840	*27840	*37170	*37170	*39440	26040	*28290	16400	21140	11510	15740	8510	13010	7030	(33.7)
-3.0 m	kg	*16240	*16240	*21070	*21070	*17610	11760	*12860	7340	9520	5150			6820	3740	9.42
(-10 ft)	lb	*35800	*35800	*46450	*46450	*38820	25930	*28350	16180	20990	11350			15040	8250	(30.9)
-4.5 m	kg	*20300	*20300	*23540	*23540	*16240	11970	*11980	7460	*8980	5280			*7360	4900	8.17
(-15 ft)	lb	*44750	*44750	*51900	*51900	*35800	26390	*26410	16450	*19800	11640			*16230	10800	(26.8)
-6.0 m	kg			*18730	*18730	*13200	12480									
(-20 ft)	lb			*41290	*41290	*29100	27510									

Boom : 6.5 m (21′ 4″) / Arm : 4.3 m (14′ 1″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius														At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity		Reach
9.0 m	kg															*4970	4590	9.45
(30 ft)	lb															*10960	10120	(31.0)
7.5 m	kg											*2710	*2710			*4770	3660	10.42
(25 ft)	lb											*5970	*5970			*10520	8070	(34.2)
6.0 m	kg											*4420	*4420			*4670	3100	11.07
(20 ft)	lb											*9740	*9740			*10300	6830	(36.3)
4.5 m	kg									*6030	*6030	*5580	4660			*4690	2770	11.46
(15 ft)	lb									*13290	*13290	*12300	10270			*10340	6110	(37.6)
3.0m	kg			*16870	*16870	*10740	*10740	*8310	*8310	*7050	6230	*6340	4420	*2620	*2620	*4830	2590	11.63
(10 ft)	lb			*37190	*37190	*23680	*23680	*18320	*18320	*15540	13730	*13980	9740	*5780	*5780	*10650	5710	(38.2)
1.5 m	kg			*13700	*13700	*14150	13320	*10140	8400	*8130	5790	*6980	4170	*2950	*2950	4820	2540	11.58
(5 ft)	lb			*30200	*30200	*31200	29370	*22350	18520	*17920	12760	*15390	9190	*6500	*6500	10630	5600	(38.0)
Ground	kg			*13070	*13070	*16510	12280	*11640	7790	*9070	5420	7240	3950			4970	2610	11.31
Line	lb			*28810	*28810	*36400	27070	*25660	17170	*20000	11950	15960	8710			10960	5750	(37.1)
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	11770	*12570	7410	9560	5170	7080	3800			5350	2830	10.81
(-5 ft)	lb	*24490	*24490	*34060	*34060	*38870	25950	*27710	16340	21080	11400	15610	8380			11790	6240	(35.5)
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	11630	*12820	7260	9440	5070	*6600	3760			6100	3290	10.02
(-10 ft)	lb	*31770	*31770	*42090	*42090	*39000	25640	*28260	16010	20810	11180	*14550	8290			13450	7250	(32.9)
-4.5 m	kg	*18210	*18210	*24070	*24070	*16690	11760	*12250	7310	*9310	5120					*6710	4190	8.87
(-15 ft)	lb	*40150	*40150	*53070	*53070	*36800	25930	*27010	16120	*20530	11290					*14790	9240	(29.1)
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	12180	*10350	7610							*6520	6280	7.15
(-20 ft)	lb	*50400	*50400	*45260	*45260	*31420	26850	*22820	16780							*14370	13850	(23.5)

Boom : 6.5 m (21′ 4″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
9.0 m	kg													*5950	*5950	7.97
(30 ft)	lb													*13120	*13120	(26.1)
7.5 m	kg									*4560	*4560			*6020	4950	9.12
(25 ft)	lb									*10050	*10050			*13270	10910	(29.9)
6.0 m	kg									*6620	*6620			*6110	4130	9.87
(20 ft)	lb									*14590	*14590			*13470	9110	(32.4)
4.5 m	kg							*8260	*8260	*7320	6690	*4450	*4450	*6190	3660	10.32
(15 ft)	lb							*18210	*18210	*16140	14750	*9810	*9810	*13650	8070	(33.9)
3.0m	kg					*13520	*13520	*9960	9130	*8240	6320	*6360	4560	6110	3420	10.50
(10 ft)	lb					*29810	*29810	*21960	20130	*18170	13930	*14020	10050	13470	7540	(34.4)
1.5 m	kg					*16390	13200	*11570	8480	*9170	5960	*7510	4360	6070	3360	10.45
(5 ft)	lb					*36130	29100	*25510	18700	*20220	13140	*16560	9610	13380	7410	(34.3)
Ground	kg			*13090	*13090	*17880	12550	*12690	8040	*9880	5680	*7070	4220	6310	3490	10.14
Line	lb			*28860	*28860	*39420	27670	*27980	17730	*21780	12520	*15590	9300	13910	7690	(33.3)
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	12350	*13170	7820	10020	5530			6930	3860	9.57
(-5 ft)	lb	*30250	*30250	*38620	*38620	*40010	27230	*29030	17240	22090	12190			15280	8510	(31.4)
-3.0 m	kg	*17880	*17880	*22800	*22800	*17430	12410	*12880	7800	*9900	5540			*7730	4630	8.65
(-10 ft)	lb	*39420	*39420	*50270	*50270	*38430	27360	*28400	17200	*21830	12210			*17040	10210	(28.4)
-4.5 m	kg	*22600	*22600	*21880	*21880	*15520	12720	*11510	8000					*7690	6370	7.25
(-15 ft)	lb	*49820	*49820	*48240	*48240	*34220	28040	*25380	17640					*16950	14040	(23.8)
-6.0 m	kg					*11410	*11410									
(-20 ft)	lb					*25150	*25150									

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-9A

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m (21′ 4″) / Arm : 3.9 m (12′ 10″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
9.0 m	kg													*5220	*5220	8.81
(30 ft)	lb													*11510	*11510	(28.9)
7.5 m	kg													*5320	4280	9.85
(25 ft)	lb													*11730	9440	(32.3)
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3610	10.54
(20 ft)	lb									*12830	*12830	*7980	*7980	*12100	7960	(34.6)
4.5 m	kg									*6570	*6570	*5410	4750	*5660	3210	10.95
(15 ft)	lb									*14480	*14480	*11930	10470	*12480	7080	(35.9)
3.0m	kg			*19700	*19700	*11910	*11910	*9000	*9000	*7540	6320	*6730	4530	5480	3000	11.13
(10 ft)	lb			*43430	*43430	*26260	*26260	*19840	*19840	*16620	13930	*14840	9990	12080	6610	(36.5)
1.5 m	kg			*12690	*12690	*15110	13370	*10740	8500	*8560	5920	*7320	4290	5430	2940	11.07
(5 ft)	lb			*27980	*27980	*33310	29480	*23680	18740	*18870	13050	*16140	9460	11970	6480	(36.3)
Ground	kg			*13710	*13710	*17120	12510	*12090	7970	*9410	5590	7470	4100	5610	3030	10.79
Line	lb			*30230	*30230	*37740	27580	*26650	17570	*20750	12320	16470	9040	12370	6680	(35.4)
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	12130	*12830	7660	9870	5380	7350	3990	6080	3300	10.26
(-5 ft)	lb	*27840	*27840	*37170	*37170	*39440	26740	*28290	16890	21760	11860	16200	8800	13400	7280	(33.7)
-3.0 m	kg	*16240	*16240	*21070	*21070	*17610	12090	*12860	7560	9800	5320			7020	3870	9.42
(-10 ft)	lb	*35800	*35800	*46450	*46450	*38820	26650	*28350	16670	21610	11730			15480	8530	(30.9)
-4.5 m	kg	*20300	*20300	*23540	*23540	*16240	12290	*11980	7670	*8980	5440			*7360	5050	8.17
(-15 ft)	lb	*44750	*44750	*51900	*51900	*35800	27090	*26410	16910	*19800	11990			*16230	11130	(26.8)
-6.0 m	kg			*18730	*18730	*13200	12800									
(-20 ft)	lb			*41290	*41290	*29100	28220									

Boom : 6.5 m (21′ 4″) / Arm : 4.3 m (14′ 1″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 800mm (32″) triple grouser

Load point height m (ft)		Load radius														At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity		Reach
																		m (ft)
9.0 m	kg															*4970	4720	9.45
(30 ft)	lb															*10960	10410	(31.0)
7.5 m	kg											*2710	*2710			*4770	3770	10.42
(25 ft)	lb											*5970	*5970			*10520	8310	(34.2)
6.0 m	kg											*4420	*4420			*4670	3210	11.07
(20 ft)	lb											*9740	*9740			*10300	7080	(36.3)
4.5 m	kg									*6030	*6030	*5580	4800			*4690	2870	11.46
(15 ft)	lb									*13290	*13290	*12300	10580			*10340	6330	(37.6)
3.0m	kg			*16870	*16870	*10740	*10740	*8310	*8310	*7050	6390	*6340	4550	*2620	*2620	*4830	2690	11.63
(10 ft)	lb			*37190	*37190	*23680	*23680	*18320	*18320	*15540	14090	*13980	10030	*5780	*5780	*10650	5930	(38.2)
1.5 m	kg			*13700	*13700	*14150	13650	*10140	8610	*8130	5960	*6980	4300	*2950	*2950	4970	2630	11.58
(5 ft)	lb			*30200	*30200	*31200	30090	*22350	18980	*17920	13140	*15390	9480	*6500	*6500	10960	5800	(38.0)
Ground	kg			*13070	*13070	*16510	12610	*11640	8010	*9070	5590	7450	4080			5120	2710	11.31
Line	lb			*28810	*28810	*36400	27800	*25660	17660	*20000	12320	16420	8990			11290	5970	(37.1)
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	12100	*12570	7630	*9700	5340	7290	3930			5520	2940	10.81
(-5 ft)	lb	*24490	*24490	*34060	*34060	*38870	26680	*27710	16820	*21380	11770	16070	8660			12170	6480	(35.5)
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	11960	*12820	7480	9710	5230	*6600	3900			6280	3410	10.02
(-10 ft)	lb	*31770	*31770	*42090	*42090	*39000	26370	*28260	16490	21410	11530	*14550	8600			13850	7520	(32.9)
-4.5 m	kg	*18210	*18210	*24070	*24070	*16690	12090	*12250	7530	*9310	5290					*6710	4320	8.87
(-15 ft)	lb	*40150	*40150	*53070	*53070	*36800	26650	*27010	16600	*20530	11660					*14790	9520	(29.1)
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	12510	*10350	7830							*6520	6450	7.15
(-20 ft)	lb	*50400	*50400	*45260	*45260	*31420	27580	*22820	17260							*14370	14220	(23.5)

Boom : 8.6 m (28′ 3″) / Arm : 5.1 m (16′ 9″) / Bucket : 1.46 m³ (1.91 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius																At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12.0 m (40 ft)		13.5 m (45 ft)		Capacity		Reach
																				m (ft)
9.0 m	kg													*3010	*3010					*3030	2510	12.91
(30 ft)	lb													*6640	*6640					*6680	5530	(42.4)
7.5 m	kg													*3110	*3110	*2630	*2630			*3100	2100	13.61
(25 ft)	lb													*6860	*6860	*5800	*5800			*6830	4630	(44.7)
6.0 m	kg													*3360	*3360	*3300	2820			*3180	1820	14.10
(20 ft)	lb													*7410	*7410	*7280	6220			*7010	4010	(46.3)
4.5 m	kg											*4100	*4100	*3730	3670	*3520	2680			*3290	1640	14.40
(15 ft)	lb											*9040	*9040	*8220	8090	*7760	5910			*7250	3620	(47.2)
3.0m	kg					*10920	*10920	*7400	*7400	*5710	*5710	*4750	4620	*4160	3410	*3790	2520	*1720	*1720	3310	1530	14.53
(10 ft)	lb					*24070	*24070	*16310	*16310	*12590	*12590	*10470	10190	*9170	7520	*8360	5560	*3790	*3790	7300	3370	(47.7)
1.5 m	kg					*10890	*10890	*8990	8120	*6710	5760	*5420	4230	*4610	3150	*4090	2350	*1900	1730	3270	1480	14.49
(5 ft)	lb					*24010	*24010	*19820	17900	*14790	12700	*11950	9330	*10160	6940	*9020	5180	*4190	3810	7210	3260	(47.5)
Ground	kg					*10400	*10400	*10190	7440	*7560	5280	*6010	3900	*5030	2930	*4370	2210			3320	1500	14.28
Line	lb					*22930	*22930	*22470	16400	*16670	11640	*13250	8600	*11090	6460	*9630	4870			7320	3310	(46.9)
-1.5 m	kg			*7990	*7990	*11720	11200	*10930	7060	*8180	4970	*6480	3670	*5370	2770	4390	2110			3470	1590	13.90
(-5 ft)	lb			*17610	*17610	*25840	24690	*24100	15560	*18030	10960	*14290	8090	*11840	6110	9680	4650			7650	3510	(45.6)
-3.0 m	kg	*8910	*8910	*10270	*10270	*13880	11160	*11250	6900	*8540	4800	*6780	3530	5420	2670	4340	2060			3760	1770	13.31
(-10 ft)	lb	*19640	*19640	*22640	*22640	*30600	24600	*24800	15210	*18830	10580	*14950	7780	11950	5890	9570	4540			8290	3900	(43.7)
-4.5 m	kg	*11090	*11090	*12810	*12810	*15320	11300	*11200	6910	*8610	4760	*6850	3490	5400	2660					4230	2080	12.50
(-15 ft)	lb	*24450	*24450	*28240	*28240	*33770	24910	*24690	15230	*18980	10490	*15100	7690	11900	5860					9330	4590	(41.0)
-6.0 m	kg	*13540	*13540	*15800	*15800	*14460	11590	*10750	7050	*8340	4850	*6630	3570	*5260	2770					4390	2610	11.41
(-20 ft)	lb	*29850	*29850	*34830	*34830	*31880	25550	*23700	15540	*18390	10690	*14620	7870	*11600	6110					9680	5750	(37.4)
-7.5 m	kg	*16440	*16440	*18490	*18490	*12970	12050	*9770	7350	*7580	5080	*5850	3790							4450	3570	9.94
(-25 ft)	lb	*36240	*36240	*40760	*40760	*28590	26570	*21540	16200	*16710	11200	*12900	8360							9810	7870	(32.6)
-9.0 m	kg			*14620	*14620	*10500	*10500	*7900	7870	*5800	5550											
(-30 ft)	lb			*32230	*32230	*23150	*23150	*17420	17350	*12790	12240											

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-9A

Rating over-front Rating over-side or 360 degree

Boom : 6.15 m (20′ 2″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
9.0 m	kg									*7580	*7580	6.65
(30 ft)	lb									*16710	*16710	(21.8)
7.5 m	kg									*7420	5530	8.02
(25 ft)	lb									*16360	12190	(26.3)
6.0 m	kg					*8590	*8590	*6510	6040	*7460	4430	8.88
(20 ft)	lb					*18940	*18940	*14350	13320	*16450	9770	(29.1)
4.5 m	kg	*18270	*18270	*12170	*12170	*9790	8610	*8620	5840	*7590	3840	9.38
(15 ft)	lb	*40280	*40280	*26830	*26830	*21580	18980	*19000	12870	*16730	8470	(30.8)
3.0m	kg			*15380	12380	*11300	7980	*9350	5530	7290	3550	9.58
(10 ft)	lb			*33910	27290	*24910	17590	*20610	12190	16070	7830	(31.4)
1.5 m	kg			*17740	11320	*12640	7420	*10060	5230	7250	3490	9.52
(5 ft)	lb			*39110	24960	*27870	16360	*22180	11530	15980	7690	(31.2)
Ground	kg	*13400	*13400	*18580	10830	*13410	7050	10450	5010	7620	3650	9.19
Line	lb	*29540	*29540	*40960	23880	*29560	15540	23040	11050	16800	8050	(30.2)
-1.5 m	kg	*21020	*21020	*18170	10700	*13400	6880	*10300	4910	*8340	4140	8.53
(-5 ft)	lb	*46340	*46340	*40060	23590	*29540	15170	*22710	10820	*18390	9130	(28.0)
-3.0 m	kg	*22960	21920	*16580	10810	*12330	6930			*8180	5240	7.47
(-10 ft)	lb	*50620	48330	*36550	23830	*27180	15280			*18030	11550	(24.5)
-4.5 m	kg	*17870	*17870	*13110	11220							
(-15 ft)	lb	*39400	*39400	*28900	24740							

Boom : 6.5 m (21′ 4″) / Arm : 2.5 m (8′ 2″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
9.0 m	kg									*6820	6650	7.22
(30 ft)	lb									*15040	14660	(23.7)
7.5 m	kg									*6770	4790	8.49
(25 ft)	lb									*14930	10560	(27.9)
6.0 m	kg					*7970	*7970	*7480	5870	*6850	3890	9.29
(20 ft)	lb					*17570	*17570	*16490	12940	*15100	8580	(30.5)
4.5 m	kg			*11870	*11870	*9290	8250	*8060	5620	*7010	3390	9.77
(15 ft)	lb			*26170	*26170	*20480	18190	*17770	12390	*15450	7470	(32.1)
3.0m	kg			*15200	11640	*10870	7590	*8870	5290	6680	3150	9.97
(10 ft)	lb			*33510	25660	*23960	16730	*19550	11660	14730	6940	(32.7)
1.5 m	kg			*17480	10700	*12250	7050	*9650	4990	6650	3110	9.91
(5 ft)	lb			*38540	23590	*27010	15540	*21270	11000	14660	6860	(32.5)
Ground	kg			*18200	10370	*13060	6720	*10170	4790	6980	3270	9.59
Line	lb			*40120	22860	*28790	14820	*22420	10560	15390	7210	(31.5)
-1.5 m	kg	*17830	*17830	*17860	10350	*13180	6610	10130	4710	7810	3700	8.97
(-5 ft)	lb	*39310	*39310	*39370	22820	*29060	14570	22330	10380	17220	8160	(29.4)
-3.0 m	kg	*22850	21630	*16580	10540	*12430	6700			*7850	4620	7.97
(-10 ft)	lb	*50380	47690	*36550	23240	*27400	14770			*17310	10190	(26.1)
-4.5 m	kg	*18790	*18790	*13880	10980					*7110	6920	6.39
(-15 ft)	lb	*41420	*41420	*30600	24210					*15670	15260	(21.0)

Boom : 6.5 m (21′ 4″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
9.0 m	kg													*5950	5700	7.97
(30 ft)	lb													*13120	12570	(26.1)
7.5 m	kg									*4560	*4560			*6020	4290	9.12
(25 ft)	lb									*10050	*10050			*13270	9460	(29.9)
6.0 m	kg									*6620	6090			*6110	3530	9.87
(20 ft)	lb									*14590	13430			*13470	7780	(32.4)
4.5 m	kg							*8260	*8260	*7320	5800	*4450	4070	*6190	3110	10.32
(15 ft)	lb							*18210	*18210	*16140	12790	*9810	8970	*13650	6860	(33.9)
3.0m	kg					*13520	12300	*9960	7870	*8240	5440	*6360	3890	6150	2880	10.50
(10 ft)	lb					*29810	27120	*21960	17350	*18170	11990	*14020	8580	13560	6350	(34.4)
1.5 m	kg					*16390	11120	*11570	7240	*9170	5090	*7510	3700	6110	2820	10.45
(5 ft)	lb					*36130	24520	*25510	15960	*20220	11220	*16560	8160	13470	6220	(34.3)
Ground	kg			*13090	*13090	*17880	10510	*12690	6820	*9880	4820	*7070	3560	6350	2930	10.14
Line	lb			*28860	*28860	*39420	23170	*27980	15040	*21780	10630	*15590	7850	14000	6460	(33.3)
-1.5 m	kg	*13720	*13720	*17520	*17520	*18150	10310	*13170	6600	10090	4680			6980	3250	9.57
(-5 ft)	lb	*30250	*30250	*38620	*38620	*40010	22730	*29030	14550	22240	10320			15390	7170	(31.4)
-3.0 m	kg	*17880	*17880	*22800	21170	*17430	10380	*12880	6590	*9900	4680			*7730	3930	8.65
(-10 ft)	lb	*39420	*39420	*50270	46670	*38430	22880	*28400	14530	*21830	10320			*17040	8660	(28.4)
-4.5 m	kg	*22600	*22600	*21880	21780	*15520	10670	*11510	6780					*7690	5450	7.25
(-15 ft)	lb	*49820	*49820	*48240	48020	*34220	23520	*25380	14950					*16950	12020	(23.8)
-6.0 m	kg					*11410	11310									
(-20 ft)	lb					*25150	24930									

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-9A

Rating over-front Rating over-side or 360 degree

Boom : 6.5 m (21' 4") / Arm : 3.9 m (12' 10") / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
9.0 m	kg													*5220	4750	8.81
(30 ft)	lb													*11510	10470	(28.9)
7.5 m	kg													*5320	3680	9.85
(25 ft)	lb													*11730	8110	(32.3)
6.0 m	kg									*5820	*5820	*3620	*3620	*5490	3060	10.54
(20 ft)	lb									*12830	*12830	*7980	*7980	*12100	6750	(34.6)
4.5 m	kg									*6570	5840	*5410	4070	*5660	2700	10.95
(15 ft)	lb									*14480	12870	*11930	8970	*12480	5950	(35.9)
3.0m	kg			*19700	*19700	*11910	*11910	*9000	7960	*7540	5440	*6730	3850	5520	2500	11.13
(10 ft)	lb			*43430	*43430	*26260	*26260	*19840	17550	*16620	11990	*14840	8490	12170	5510	(36.5)
1.5 m	kg			*12690	*12690	*15110	11280	*10740	7260	*8560	5040	*7320	3630	5470	2440	11.07
(5 ft)	lb			*27980	*27980	*33310	24870	*23680	16010	*18870	11110	*16140	8000	12060	5380	(36.3)
Ground	kg			*13710	*13710	*17120	10460	*12090	6740	*9410	4720	7520	3440	5650	2510	10.79
Line	lb			*30230	*30230	*37740	23060	*26650	14860	*20750	10410	16580	7580	12460	5530	(35.4)
-1.5 m	kg	*12630	*12630	*16860	*16860	*17890	10110	*12830	6440	*9910	4520	7400	3330	6120	2750	10.26
(-5 ft)	lb	*27840	*27840	*37170	*37170	*39440	22290	*28290	14200	*21850	9960	16310	7340	13490	6060	(33.7)
-3.0 m	kg	*16240	*16240	*21070	20560	*17610	10060	*12860	6350	9860	4460			7070	3250	9.42
(-10 ft)	lb	*35800	*35800	*46450	45330	*38820	22180	*28350	14000	21740	9830			15590	7170	(30.9)
-4.5 m	kg	*20300	*20300	*23540	21050	*16240	10260	*11980	6460	*8980	4580			*7360	4280	8.17
(-15 ft)	lb	*44750	*44750	*51900	46410	*35800	22620	*26410	14240	*19800	10100			*16230	9440	(26.8)
-6.0 m	kg			*18730	*18730	*13200	10740									
(-20 ft)	lb			*41290	*41290	*29100	23680									

Boom : 6.5 m (21' 4") / Arm : 4.3 m (14' 1") / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 600mm (24") triple grouser

Load point height m (ft)		Load radius														At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity		Reach
																		m (ft)
9.0 m	kg															*4970	4080	9.45
(30 ft)	lb															*10960	8990	(31.0)
7.5 m	kg											*2710	*2710			*4770	3210	10.42
(25 ft)	lb											*5970	*5970			*10520	7080	(34.2)
6.0 m	kg											*4420	4290			*4670	2700	11.07
(20 ft)	lb											*9740	9460			*10300	5950	(36.3)
4.5 m	kg									*6030	5920	*5580	4120			*4690	2390	11.46
(15 ft)	lb									*13290	13050	*12300	9080			*10340	5270	(37.6)
3.0m	kg			*16870	*16870	*10740	*10740	*8310	8110	*7050	5500	*6340	3880	*2620	*2620	*4830	2220	11.63
(10 ft)	lb			*37190	*37190	*23680	*23680	*18320	17880	*15540	12130	*13980	8550	*5780	*5780	*10650	4890	(38.2)
1.5 m	kg			*13700	*13700	*14150	11530	*10140	7360	*8130	5080	*6980	3630	*2950	2620	5010	2160	11.58
(5 ft)	lb			*30200	*30200	*31200	25420	*22350	16230	*17920	11200	*15390	8000	*6500	5780	11050	4760	(38.0)
Ground	kg			*13070	*13070	*16510	10550	*11640	6770	*9070	4720	7500	3410			5160	2220	11.31
Line	lb			*28810	*28810	*36400	23260	*25660	14930	*20000	10410	16530	7520			11380	4890	(37.1)
-1.5 m	kg	*11110	*11110	*15450	*15450	*17630	10070	*12570	6410	*9700	4480	7340	3270			5560	2420	10.81
(-5 ft)	lb	*24490	*24490	*34060	*34060	*38870	22200	*27710	14130	*21380	9880	16180	7210			12260	5340	(35.5)
-3.0 m	kg	*14410	*14410	*19090	*19090	*17690	9940	*12820	6260	9700	4370	*6600	3240			6330	2840	10.02
(-10 ft)	lb	*31770	*31770	*42090	*42090	*39000	21910	*28260	13800	21540	9630	*14550	7140			13960	6260	(32.9)
-4.5 m	kg	*18210	*18210	*24070	*20670	*16690	10060	*12250	6310	*9310	4430					*6710	3640	8.87
(-15 ft)	lb	*40150	*40150	*53070	*45570	*36800	22180	*27010	13910	*20530	9770					*14790	8020	(29.1)
-6.0 m	kg	*22860	*22860	*20530	*20530	*14250	10450	*10350	6600							*6520	5510	7.15
(-20 ft)	lb	*50400	*50400	*45260	*45260	*31420	23040	*22820	14550							*14370	12150	(23.5)

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.

STANDARD EQUIPMENT

- ISO Standard cabin
  - All-weather steel cab with 360° visibility
  - Safety glass windows
  - Rise-up windshield wiper
  - Sliding fold-in front window
  - Sliding side window (LH)
  - Lockable door
  - Hot & cool box
  - Storage compartment & ashtray
  - Radio & USB player
  - Handsfree mobile phone system with USB
  - Transparent cabin roof-cover
  - 12 volt power outlet (24V DC to 12V DC converter)
  - Sun visor
- Computer aided power optimization (New CAPO) system
  - 3-power mode, 2-work mode, User mode
  - Auto deceleration & one-touch deceleration system
  - Auto warm-up system
  - Auto overheat prevention system
- Automatic climate control
  - Air conditioner & heater
  - Defroster
- Self-diagnostics system
- Starting Aid (air grid heater) for cold weather
- Centralized monitoring
  - LCD display
  - Engine speed or Trip meter/Accel.
  - Clock
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warnings
  - Check engine
  - Overload
  - Communication error
  - Low battery
  - Air cleaner clogging
  - Indicators
  - Max power
  - Low speed/High speed
  - Fuel warmer
  - Auto idle
- Door and cab locks, one key
- Three outside rearview mirrors
- Mechanical suspension seat with heater
- Pilot-operated slidable joystick
- Console box height adjust system
- Four front working lights
- Electric horn
- Batteries (2 x 12V x 160 AH)
- Battery master switch
- Removable clean-out dust net for cooler
- Automatic swing brake
- Removable reservoir tank
- Fuel pre-filter with fuel warmer
- Boom holding system
- Arm holding system
- Track shoes (600mm, 24")
- Track rail guard
- Accumulator for lowering work equipment
- Electric transducer
- Lower frame under cover (normal)
- Viscous fan clutch

OPTIONAL EQUIPMENT

- Fuel filler pump (50 L/min)
- Beacon lamp
- Safety lock valve for boom cylinder with overload warning device
- Safety lock valve for arm cylinder
- Single-acting piping kit (breaker, etc.)
- Double-acting piping kit (clamshell, etc.)
- Quick coupler
- Travel alarm
- Booms
  - 6.15 m, 20' 2"
  - 6.5 m, 21' 4"
  - 6.5 m, 21' 4" Heavy Duty
  - 8.6 m, 28' 3"
- Arms
  - 2.5 m, 8' 2"
  - 3.2 m, 10' 6"
  - 3.2 m, 10' 6" Heavy Duty
  - 3.9 m, 12' 10"
  - 4.3 m, 14' 1"
  - 5.1 m, 16' 9"
- Cabin FOPS/FOG (ISO/DIS 10262 Level II)
  - FOPS (Falling Object Protective Structure)
  - FOG (Falling Object Guard)
- Cabin ROPS (ISO 12117-2)
  - ROPS (Roll Over Protective Structure)
- Cabin guard-front
  - Wire net
  - Fine net
- Cabin roof - Steel cover
- Cabin lights
- Cabin front window rain guard
- Track shoes
  - Double grousers shoe (600mm, 24")
  - Double grousers shoe (700mm, 28")
  - Heavy duty type shoe (600mm, 24")
  - Heavy duty type shoe (700mm, 28")
  - Triple grousers shoe (700mm, 28")
  - Triple grousers shoe (750mm, 30")
  - Triple grousers shoe (800mm, 32")
  - Triple grousers shoe (900mm, 36")
  - Full track rail guard
- Lower frame under cover (additional)
- Pre-heating system, coolant
- Fuel pre-filter with dual warmer
- Tool kit
- Operator suit
- Rearview camera
- Seat
  - Adjustable air suspension seat with heater
- Pattern change valve (2 patterns)
- Hi-mate (Remote Management 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

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