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.

Robex 380LC-9A

Machine Walk-Around

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
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

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

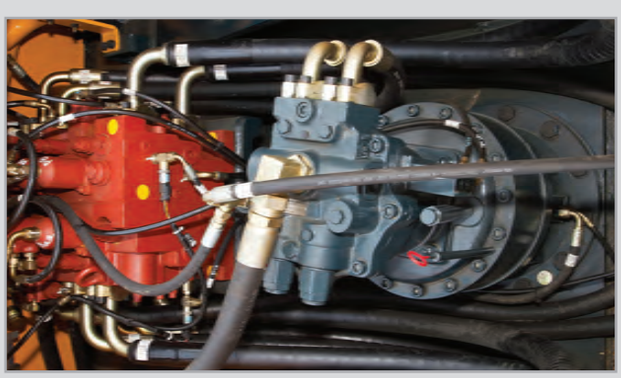
The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

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.

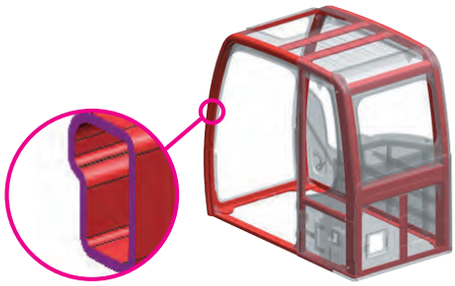


Auto Boom-swing Priority

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.

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

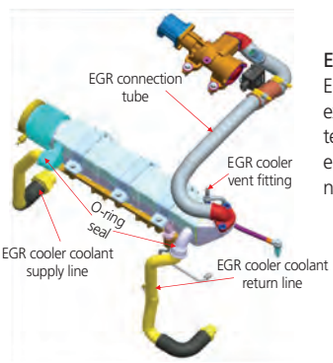
The 9A series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis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

The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

Cummins QSL9 Engine

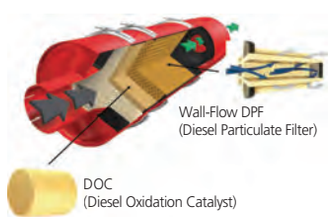
Built on a heritage of reliability and durability, Cummins QSL9 for Tier 4 Interim/Stage IIIB regulations takes a major step forward with the introduction of an Xtra-High Pressure Injection (XPI) fuel system. This heavy-duty system delivers a constant stream of pressurized fuel across all engine rpm 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 captures more than 90% reduction 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 dose 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 at 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 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 9A series cabin you can easily adjust the seat, console and armrest settings to best suit your comfort level. The seat integrated with console absorb console vibration by seat suspension and reduce operator's fatigue. New joystick consoles are adjustable in height by pushing the 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 blue tooth-handsfree and radio <walkie-talkie> handsfree.

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 music favorites.
Operators can even talk on the phone with the hands-free cell phone feature. Also, the newly designed optional remote control offers mobile bluetooth-handsfree and radio cable-handsfree 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 with touch 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.
The newly applied FM transmitter application transmits signal to USB & Radio player with the same frequency as cluster. The player outputs the audio through the internal speaker in the cab. The video & firmware updates are possible with USB host support and an adjustable cluster hinge bracket improves cluster visibility.

Monitor Tilt Range

Horizontal
Total : 15°

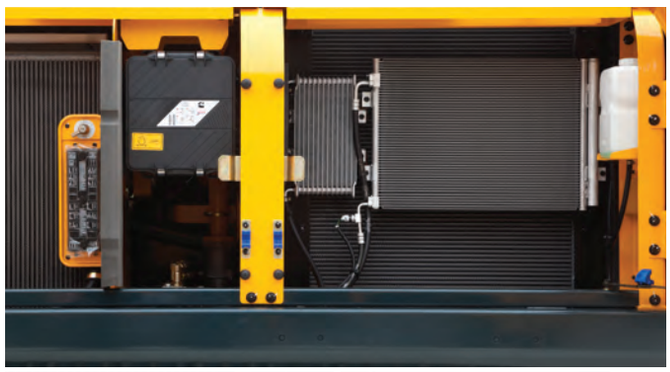
Vertical
Total : 30°

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

Wide service doors and latches make service more convenient on the 9A series. All lubrication fittings are centralized and close together for easy service.

Long-Life Components

9A series excavators were designed with bushings designed for long-life lube intervals (250hrs) & 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 downtime.

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	35^0 (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	9.4 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	600	158.5	132
Engine coolant	40	10.5	8.8
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) HD bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

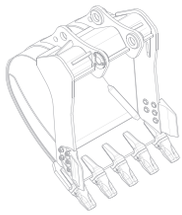
MAJOR COMPONENT WEIGHT		
Type	R380LC-9A	R380NLC-9A
Upperstructure	8,750 kg (19,290 lb)	
Boom (with Arm cylinder)	3,780 kg (8,330 lb)	
Arm (with Bucket cylinder)	2,010 kg (4,430 lb)	

OPERATING WEIGHT				
Shoes			Operating weight	Ground pressure
Type	Width mm (in)	Type	kg(lb)	kgf/cm^2(psi)
Triple grouser	600 (24")	R380LC-9A	38,450 (84,770)	0.69 (9.81)
		R380NLC-9A	38,350 (84,550)	0.69 (9.81)
	700 (28")	R380LC-9A	38,900 (85,760)	0.60 (8.53)
	750 (30")	R380LC-9A	39,125 (86,260)	0.56 (7.96)
	800 (32")	R380LC-9A	39,350 (86,750)	0.53 (7.54)
	900 (36")	R380LC-9A	39,800 (87,740)	0.47 (6.68)
Heavy duty	600 (24")	R380LC-9A	38,840 (85,630)	0.69 (9.81)
	700 (28")	R380LC-9A	39,360 (86,770)	0.60 (8.53)
Double grouser	600 (24")	R380LC-9A	38,695 (85,310)	0.69 (9.81)
	700 (28")	R380LC-9A	39,195 (86,410)	0.60 (8.53)

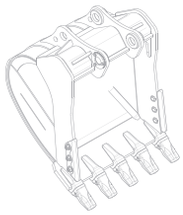
BUCKETS

All buckets are welded with high-strength steel.

SAE heaped
m³ (yd³)



□ 1.46(1.91)
1.62(2.12)
1.90(2.49)
2.10(2.75)
2.32(3.03)



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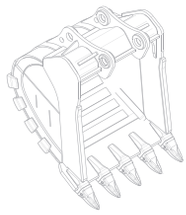


□ 1.46(1.91)
1.62(2.12)
1.90(2.49)

Capacity m³ (yd³)		With mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft-in)						
					6,150 (20′ 2″) Boom	6,500 (21′ 4″) Boom	6,500 (21′ 4″) Boom	6,500 (21′ 4″) Boom	6,500 (21′ 4″) Boom	6,500 (21′ 4″) Boom	8,600 (28′ 3″) Boom
SAE heaped	CECE heaped				2,500 (8′ 2″) Arm	2,500 (10′ 6″) Arm	2,900 (12′ 10″) Arm	3,200 (14′ 1″) Arm	3,900 (8′ 2″) Arm	4,300 (16′ 9″) Arm	5,100 (16′ 9″) Arm
□ 1.46(1.91)	1.28(1.67)	1,370(53.9")	1,430(3,150)	4	●	●	●	●	□	■	▲
□ 1.62(2.12)	1.42(1.86)	1,480(58.3")	1,530(3,370)	5	●	□	□	□	■	□	-
□ 1.90(2.49)	1.65(2.16)	1,665(65.6")	1,640(2,450)	5	□	■	■	■	□	▲	-
□ 2.10(2.75)	1.84(2.41)	1,800(70.9")	1,720(3,790)	5	■	■	□	□	▲	-	-
□ 2.32(3.03)	2.02(2.64)	1,950(76.8")	1,830(4,030)	6	■	□	□	▲	-	-	-
□ 1.46(1.91)	1.28(1.67)	1,370(53.9")	1,560(3,440)	4	●	●	●	□	□	■	-
□ 1.62(2.12)	1.42(1.86)	1,480(58.3")	1,660(3,660)	5	●	□	□	□	■	□	-
□ 1.90(2.49)	1.65(2.16)	1,665(65.6")	1,790(3,950)	5	□	■	■	□	□	▲	-
□ 2.10(2.75)	1.84(2.41)	1,800(70.9")	1,880(4,140)	5	■	□	□	□	▲	-	-
□ 1.46(1.91)	1.28(1.67)	1,370(53.9")	1,750(3,860)	4	●	●	□	□	■	□	-
□ 1.62(2.12)	1.42(1.86)	1,480(58.3")	1,850(4,080)	5	●	□	■	■	□	□	-
□ 1.90(2.49)	1.65(2.16)	1,665(65.6")	1,990(4,390)	5	■	■	□	□	-	-	-

□ General Purpose
□ heavy duty
□ Rock

● : Applicable for materials with density of 2,100 kg /m³ (3,500 lb/ yd³) or less
□ : Applicable for materials with density of 1,800 kg /m³ (3,000 lb/ yd³) or less
■ : Applicable for materials with density of 1,500 kg /m³ (2,500 lb/ yd³) or less
□ : Applicable for materials with density of 1,200 kg /m³ (2,000 lb/ yd³) or less
▲ : Applicable for materials with density of 900 kg /m³ (1,500 lb/ yd³) or less
- : Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design. 6.15m (20′ 2″), 6.5m (21′ 4″), 8.6m (28′ 3″) booms and 2.5m (8′ 2″), 2.9m (9′ 6″), 3.2m (10′ 6″), 3.9m (12′ 10″), 4.3m (14′ 1″), 5.1m (16′ 9″) arms are available. Hyundai Bucket are all-welded, high-strenght steel implements.

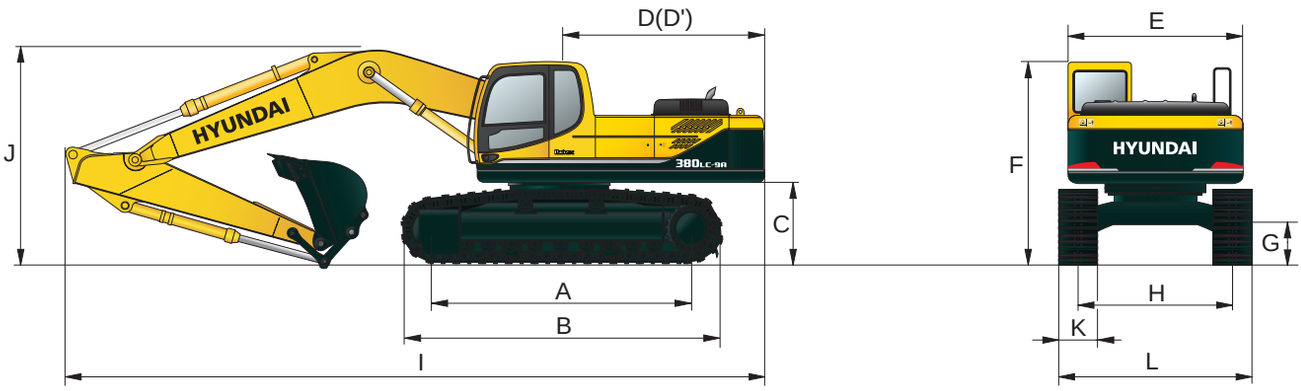
DIGGING FORCE

Boom	Length	mm (ft-in)	6,150	(20' 2")	6,500 (21′ 4″)								8,600	(28′ 3″)	Remarks
	Weight	kg (lb)	3,640	(8,020)	3,780 (8,330)								4,560	(10,050)	
Arm	Length	mm (ft-in)	2,500	(8' 2")	2,900	(9' 6")	3,200	(10' 6")	3,900	(12' 10")	4,300	(14' 1")	5,100	(16' 9")	
	Weight	kg (lb)	1,990	(4,390)	2140	(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]	201.0		[ ]: 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		
		lbf	45,190	[49,300]	45,190	[49,300]	45,190	[49,300]	45,190	[49,300]	45,190	[49,300]	45,190		
	ISO	kN	228.5	[249.3]	228.5	[249.3]	228.5	[249.3]	228.5	[249.3]	228.5	[249.3]	228.5		
		kgf	23,300	[25,420]	23,300	[25,420]	23,300	[25,420]	23,300	[25,420]	23,300	[25,420]	23,300		
		lbf	51,370	[56,040]	51,370	[56,040]	51,370	[56,040]	51,370	[56,040]	51,370	[56,040]	51,370		
Arm crowd force	SAE	kN	184.4	[201.1]	164.8	[179.8]	152.0	[165.8]	135.3	[147.6]	124.5	[135.8]	124.5		
		kgf	18,800	[20,510]	16,800	[18,330]	15,500	[16,910]	13,800	[15,050]	12,700	[13,850]	12,700		
		lbf	41,450	[45,220]	37,040	[40,410]	34,170	[37,280]	30,420	[33,180]	28,000	[30,530]	28,000		
	ISO	kN	192.2	[209.7]	170.6	[186.1]	156.9	[171.1]	139.3	[151.9]	128.5	[140.1]	128.5		
		kgf	19,600	[21,380]	17,400	[18,980]	16,000	[17,450]	14,200	[15,490]	13,100	[14,290]	13,100		
		lbf	43,210	[47,140]	38,360	[41,840]	35,270	[38,470]	31,310	[34,150]	28,880	[31,500]	28,880		

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″)

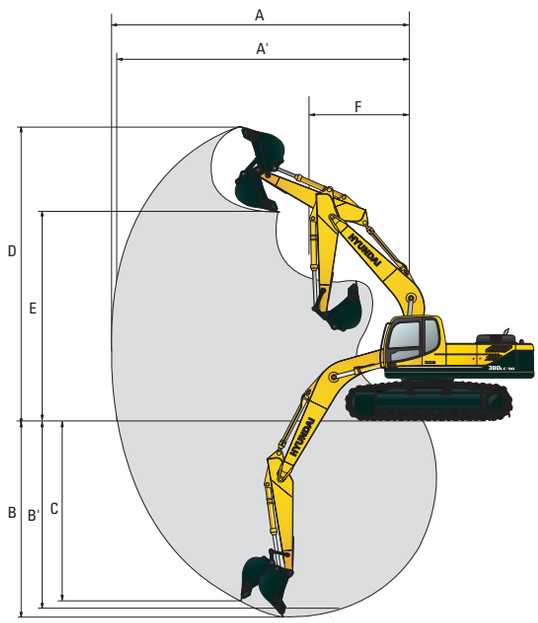
Unit : mm (ft·in)

	Boom length	6,150 (20′ 2″)	6,500 (21′ 4″)				8,600 (28′ 3″)
	Arm length	2,500 (8′ 2″)	2,500 (8′ 2″)	2,900 (9′ 6″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	5,100 (18′ 9″)
I	Overall length	10,880 (43′ 0″)	11,240 (36′ 11″)	11,180 (38′ 8″)	11,120 (36′ 6″)	11,160 (36′ 7″)	11,110 (36′ 5″)	13,070 (42′ 11″)
J	Overall height of boom	3,760 (12′ 4″)	3,710 (12′ 2″)	3,540 (11′ 7″)	3,450 (11′ 4″)	3,880 (12′ 9″)	4,300 (14′ 1″)	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″)	-	-	-	-

R380LC-9A / R380NLC-9A WORKING RANGE

Unit : mm (ft·in)



	Boom length	6,150 (20′ 2″)	6,500 (21′ 4″)				8,600 (28′ 3″)
	Arm length	2,500 (8′ 2″)	2,500 (8′ 2″)	2,900 (10′ 6″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	5,100 (16′ 9″)
A	Max. digging reach	10,330 (33′ 11″)	10,720 (35′ 2″)	11,000 (36′ 1″)	11,250 (36′ 11″)	11,870 (38′ 11″)	12,380 (40′ 7″)	11,140 (36′ 7″)
A′	Max. digging reach on ground	10,100 (33′ 2″)	10,490 (34′ 5″)	10,780 (35′ 4″)	11,040 (36′ 3″)	11,670 (38′ 3″)	12,180 (39′ 12″)	10,940 (35′ 11″)
B	Max. digging depth	6,450 (21′ 2″)	6,820 (22′ 5″)	7,220 (23′ 8″)	7,520 (24′ 8″)	8,220 (26′ 12″)	8,620 (28′ 3″)	7,370 (24′ 2″)
B′	Max. digging depth (8' level)	6,720 (20′ 7″)	6,540 (21′ 9″)	7,080 (23′ 2″)	7,360 (24′ 2″)	8,080 (26′ 6″)	8,490 (27′ 10″)	7,210 (23′ 8″)
C	Max. vertical wall digging dept	5,490 (18′ 0″)	5,930 (19′ 5″)	5,970 (19′ 7″)	6,330 (20′ 9″)	7,040 (23′ 1″)	7,540 (24′ 9″)	6,360 (20′ 10″)
D	Max. digging height	10,320 (33′ 10″)	10,590 (34′ 9″)	10,480 (34′ 5″)	10,570 (34′ 8″)	10,800 (35′ 5″)	11,360 (37′ 3″)	10,310 (33′ 10″)
E	Max. dumping height	7,120 (23′ 4″)	7,370 (24′ 2″)	7,330 (24′ 1″)	7,410 (24′ 4″)	7,840 (25′ 1″)	8,160 (26′ 9″)	7,240 (23′ 9″)
F	Min. swing radius	4,220 (13′ 10″)	4,530 (14′ 10″)	4,540 (14′ 11″)	4,450 (14′ 7″)	4,440 (14′ 7″)	4,460 (14′ 8″)	4,470 (14′ 8″)

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									*7340	*7340	6.65
(30 ft)	lb									*16180	*16180	(21.8)
7.5 m	kg									*7180	6040	8.02
(25 ft)	lb									*15830	13320	(26.3)
6.0 m	kg					*8390	*8390	*6360	*6360	*7220	4820	8.88
(20 ft)	lb					*18500	*18500	*14020	*14020	*15920	10630	(29.1)
4.5 m	kg	*18060	*18060	*11970	*11970	*9590	9590	*8420	6440	7310	4180	9.38
(15 ft)	lb	*39820	*39820	*26390	*26390	*21140	21140	*18560	14200	16120	9220	(30.8)
3.0m	kg			*15150	14110	*11090	8920	*9140	6130	6880	3870	9.58
(10 ft)	lb			*33400	31110	*24450	19670	*20150	13510	15170	8530	(31.4)
1.5 m	kg			*17500	12970	*12420	8330	*9850	5810	6840	3810	9.52
(5 ft)	lb			*38580	28590	*27380	18360	*21720	12810	15080	8400	(31.2)
Ground	kg	*13560	*13560	*18320	12430	*13190	7930	10000	5580	7200	4000	9.19
Line	lb	*29890	*29890	*40390	27400	*29080	17480	22050	12300	15870	8820	(30.2)
-1.5 m	kg	*21190	*21190	*17920	12300	*13180	7760	9890	5480	*8100	4550	8.53
(-5 ft)	lb	*46720	*46720	*39510	27120	*29060	17710	21800	12080	*17860	10030	(28.0)
-3.0 m	kg	*22680	*22680	*16340	12430	*12110	7820			*7940	5800	7.47
(-10 ft)	lb	*50000	*50000	*36020	27400	*26700	17240			*17500	12790	(24.5)
-4.5 m	kg	*17610	*17610	*12880	*12880							
(-15 ft)	lb	*38820	*38820	*28400	*28400							

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									*6590	*6590	7.22
(30 ft)	lb									*14530	*14530	(23.7)
7.5 m	kg									*6530	5230	8.49
(25 ft)	lb									*14400	11530	(27.9)
6.0 m	kg					*7780	*7780	*7270	6480	*6610	4240	9.29
(20 ft)	lb					*17150	*17150	*16030	14290	*14570	9350	(30.5)
4.5 m	kg			*11660	*11660	*9080	*9080	*7850	6220	6630	3700	9.77
(15 ft)	lb			*25710	*25710	*20020	*20020	*17310	13710	14620	8160	(32.1)
3.0m	kg			*14960	13320	*10660	8520	*8660	5880	6280	3450	9.97
(10 ft)	lb			*32980	29370	*23500	18780	*19090	12960	13850	7610	(32.7)
1.5 m	kg			*17220	12300	*12020	7940	*9440	5570	6250	3400	9.91
(5 ft)	lb			*37960	27120	*26500	17500	*20810	12280	13780	7500	(32.5)
Ground	kg			*17930	11940	*12830	7600	9750	5350	6580	3580	9.59
Line	lb			*39530	26320	*28290	16760	21500	11790	14510	7890	(31.5)
-1.5 m	kg	*17990	*17990	*17600	11930	*12940	7480	9660	5280	7380	4070	8.97
(-5 ft)	lb	*39660	*39660	*38800	26300	*28530	16490	21300	11640	16270	8970	(29.4)
-3.0 m	kg	*22550	*22550	*16330	12140	*12200	7580			*7610	5100	7.97
(-10 ft)	lb	*46710	*46710	*36000	26760	*26900	16710			*16780	11240	(26.1)
-4.5 m	kg	*18530	*18530	*13650	12620					*6880	*6880	6.39
(-15 ft)	lb	*40850	*40850	*30090	27820					*15170	*15170	(21.0)

Boom : 6.5 m (21′ 4″) / Arm : 2.9 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													*5910	*5910	7.62
(30 ft)	lb													*13030	*13030	(25.0)
7.5 m	kg									*3960	*3960			*5940	4840	8.82
(25 ft)	lb									*8730	*8730			*13100	10670	(28.9)
6.0 m	kg									*6640	6520			*6070	3940	9.59
(20 ft)	lb									*14640	14370			*13380	8690	(31.5)
4.5 m	kg					*10480	*10480	*8360	*8360	*7290	6230			6250	3440	10.05
(15 ft)	lb					*23100	*23100	*18430	*18430	*16070	13730			13780	7580	(33.0)
3.0m	kg					*13800	13560	*9980	8560	*8160	5850	*5850	4130	5910	3180	10.25
(10 ft)	lb					*30420	29890	*22000	18870	*17990	12900	*12900	9110	13030	7010	(33.6)
1.5 m	kg					*16400	12350	*11470	7910	*9010	5500	*6870	3960	5870	3130	10.19
(5 ft)	lb					*36160	27230	*25290	17440	*19860	12130	*15150	8730	12940	6900	(33.4)
Ground	kg			*12680	*12680	*17570	11810	*12460	7490	*9640	5240	*5550	3830	6140	3280	9.88
Line	lb			*27950	*27950	*38740	26040	*27470	16510	*21250	11550	*12240	8440	13540	7230	(32.4)
-1.5 m	kg	*14590	*14590	*18220	*18220	*17600	11690	*12780	7310	9500	5120			6830	3690	9.28
(-5 ft)	lb	*32170	*32170	*40170	*40170	*38800	25770	*28180	16120	20940	11290			15060	8140	(30.4)
-3.0 m	kg	*19350	*19350	*23760	*23760	*16660	11830	*12320	7350	*9350	5170			*7520	4560	8.33
(-10 ft)	lb	*42660	*42660	*52380	*52380	*36730	26080	*27160	16200	*20610	11400			*16580	10050	(27.3)
-4.5 m	kg			*20160	*20160	*14470	12240	*10640	7640					*7280	6640	6.85
(-15 ft)	lb			*44450	*44450	*31900	26980	*23460	16840					*16050	14640	(22.5)

1. Lifting capacity are 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 (standard equipment) located on the back of the bucket.
4. (*) indicates 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 : 3.2 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													*5710	*5710	7.97
(30 ft)	lb													*12590	*12590	(26.1)
7.5 m	kg									*4390	*4390			*5870	4660	9.12
(25 ft)	lb									*9680	*9680			*12740	10270	(29.9)
6.0 m	kg									*6420	*6420			*5870	3840	9.87
(20 ft)	lb									*14150	*14150			*12940	8470	(32.4)
4.5 m	kg							*8060	*8060	*7110	6410	*4290	*4290	*5960	3380	10.32
(15 ft)	lb							17770	*17770	*15670	14130	*9460	*9460	*13140	7450	(33.9)
3.0m	kg					*13300	*13300	9750	8810	*8030	6030	*6210	4290	5760	3140	10.50
(10 ft)	lb					*29320	*29320	21500	19420	*17700	13290	*13690	9460	12700	6920	(34.4)
1.5 m	kg					*16150	12760	11350	8150	*8950	5670	*7370	4100	5720	3080	10.45
(5 ft)	lb					*35600	28130	25020	17970	*19730	12500	*16250	9040	12610	6790	(34.3)
Ground	kg			*13270	*13270	*17630	12110	12470	7700	*9670	5390	*6930	3950	5960	3210	10.14
Line	lb			*29260	*29260	*38870	26700	27490	16980	*21320	11880	*15280	8710	13140	7080	(33.3)
-1.5 m	kg	*13890	*13890	*17710	*17710	*17910	11900	12940	7470	9620	5240			6570	3570	9.57
(-5 ft)	lb	*30620	*30620	*39040	*39040	*39480	26230	28530	16470	21210	11550			14480	7870	(31.4)
-3.0 m	kg	*18060	*18060	*23000	*23000	*17190	11970	12660	7460	9630	5240			*7490	4330	8.65
(-10 ft)	lb	*39820	*39820	*50710	*50710	*37900	26390	27910	16450	21230	11550			*16510	9550	(28.4)
-4.5 m	kg	*22790	*22790	*21610	*21610	*15290	12290	11290	7670					*7450	6050	7.25
(-15 ft)	lb	*50240	*50240	*47670	*47670	*33710	27090	24890	16910					*16420	13340	(23.8)
-6.0 m	kg					*11190	*11190									
(-20 ft)	lb					*24670	*24670									

Boom : 6.5 m (21′ 4″) / Arm : 3.2 m (10′ 6″) / Bucket : 1.62 m³ (2.12 yd³) SAE heaped / Shoe : 800mm(31.5″) 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													*5710	*5710	7.97
(30 ft)	lb													*12590	*12590	(26.1)
7.5 m	kg									*4390	*4390			*5780	4790	9.12
(25 ft)	lb									*9680	*9680			*12740	10560	(29.9)
6.0 m	kg									*6420	*6420			*5870	3960	9.87
(20 ft)	lb									*14150	*14150			*12940	8730	(32.4)
4.5 m	kg							*8060	*8060	*7110	6570	*4290	*4290	*5960	3490	10.32
(15 ft)	lb							*17770	*17770	*15670	14480	*9460	*9460	*13140	7690	(33.9)
3.0m	kg					*13300	*13300	*9750	9030	*8030	6200	*6210	4420	5940	3250	10.50
(10 ft)	lb					*29320	*29320	*21500	19910	*17700	13670	*13690	9740	13100	7170	(34.4)
1.5 m	kg					*16150	*13090	*11350	8370	*8950	5830	*7370	4230	5900	3190	10.45
(5 ft)	lb					*35600	*28860	*25020	18450	*9730	12850	*16250	9330	13010	7030	(34.3)
Ground	kg			*13270	*13270	*17630	*12440	*12470	7920	*9670	5550	*6930	4080	6140	3320	10.14
Line	lb			*29260	*29260	*38870	*27430	*27490	17460	*21320	12240	*15280	8990	13540	7320	(33.3)
-1.5 m	kg	*13890	*13890	*17710	*17710	*17910	*12230	*12940	7690	*9890	5400			6760	3690	9.57
(-5 ft)	lb	*30620	*30620	*39040	*39040	*39480	*26960	*28530	16950	*21800	11900			14900	8140	(31.4)
-3.0 m	kg	*18060	*18060	*23000	*23000	*17190	*12300	*12660	7680	*9680	5410			*7490	4470	8.65
(-10 ft)	lb	*39820	*39820	*50710	*50710	*37900	*27120	*27910	16930	*21340	11930			*16510	9850	(28.4)
-4.5 m	kg	*22790	*22790	*21610	*21610	*15290	*12620	*11290	7890					*7450	6220	7.25
(-15 ft)	lb	*50240	*50240	*47640	*47640	*33710	*27820	*24890	17390					*16420	13710	(23.8)
-6.0 m	kg					*11190	*11190									
(-20 ft)	lb					*24670	*24670									

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													*4980	*4980	8.81
(30 ft)	lb													*10980	*10980	(28.9)
7.5 m	kg													*5090	3990	9.85
(25 ft)	lb													*11220	8800	(32.3)
6.0 m	kg									*5620	*5620	*3450	*3450	*5250	3330	10.54
(20 ft)	lb									*12390	*12390	*7610	*7610	*11570	7340	(34.6)
4.5 m	kg									*6360	*6360	*5240	4480	5420	2930	10.95
(15 ft)	lb									*14020	*14020	*11550	9880	11950	6460	(35.9)
3.0m	kg			*19460	*19460	*11690	*11690	*8790	*8790	*7330	6030	*6520	4260	5150	2720	11.13
(10 ft)	lb			*42900	*42900	*25770	*25770	*19380	*19380	*16160	13290	*14370	9390	11350	6000	(36.5)
1.5 m	kg			*12880	*12880	*14870	12940	*10520	8160	*8340	5620	*7100	4020	5090	2660	11.07
(5 ft)	lb			*28400	*28400	*32780	28530	*23190	17990	*18390	12390	*15650	8860	11220	5860	(36.3)
Ground	kg			*13900	*13900	*16870	12060	*11860	7620	*9180	5290	7120	3830	5270	2750	10.79
Line	lb			*30640	*30640	*37190	26590	*26150	16800	*20240	11660	15700	8440	11620	6060	(35.4)
-1.5 m	kg	*12810	*12810	*17050	*17050	*17630	11680	*12590	7310	9460	5080	7000	3720	5730	3020	10.26
(-5 ft)	lb	*28240	*28240	*37590	*37590	*38870	25750	*27760	16120	20860	11200	15430	8200	12630	6660	(33.7)
-3.0 m	kg	*16420	*16420	*20270	*21270	*17360	11640	*12630	7210	9390	5010			6650	3580	9.42
(-10 ft)	lb	*36200	*36200	*46890	*46890	*38270	25660	*27840	15900	20700	11050			14660	7890	(30.9)
-4.5 m	kg	*20490	*20490	*23270	*23270	*15990	11850	*11750	7330	*8760	5150			*7130	4740	8.17
(-15 ft)	lb	*45170	*45170	*51300	*51300	*35250	26120	*25900	16160	*19310	11350			*15720	10450	(26.8)
-6.0 m	kg			*18470	*18470	*12960	12380									
(-20 ft)	lb			*40720	*40720	*28570	27290									

1. Lifting capacity are 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 (standard equipment) located on the back of the bucket.
4. (*) indicates 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													*4980	*4980	8.81
(30 ft)	lb													*10980	*10980	(28.9)
7.5 m	kg													*5090	4110	9.85
(25 ft)	lb													*11220	9060	(32.3)
6.0 m	kg									*5620	*5620	*3450	*3450	*5250	3440	10.54
(20 ft)	lb									*12390	*12390	*7610	*7610	*11570	7580	(34.6)
4.5 m	kg									*6360	*6360	*5240	4610	*5420	3040	10.95
(15 ft)	lb									*14020	*14020	*11550	10160	*11950	6700	(35.9)
3.0m	kg			*19460	*19460	*11690	*11690	*8790	*8790	*7330	6200	*6520	4390	5310	2830	11.13
(10 ft)	lb			*42900	*42900	*25770	*25770	*19380	*19380	*16160	13670	*14370	9680	11710	6240	(36.5)
1.5 m	kg			*12880	*12880	*14870	13270	*10520	8380	*8340	5780	*7100	4150	5260	2760	11.07
(5 ft)	lb			*28400	*28400	*32780	29260	*23190	18470	*18390	12740	*15650	9150	11600	6080	(36.3)
Ground	kg			*13900	*13900	*16870	12390	*11860	7840	*9180	5450	7330	3960	5430	2850	10.79
Line	lb			*30640	*30640	*37190	27320	*26150	17280	*20240	12020	16160	8730	11970	6280	(35.4)
-1.5 m	kg	*12810	*12810	*17050	*17050	*17630	12010	*12590	7530	*9690	5240	7210	3850	5910	3130	10.26
(-5 ft)	lb	*28240	*28240	*37590	*37590	*38870	26480	*27760	16600	*21360	11550	15900	8490	13030	6900	(33.7)
-3.0 m	kg	*16420	*16420	*21270	*21270	*17360	11960	*12630	7430	9660	5180			6860	3700	9.42
(-10 ft)	lb	*36200	*36200	*46890	*46890	*38270	26370	*27840	16380	21300	11420			15120	8160	(30.9)
-4.5 m	kg	*20490	*20490	*23270	*23270	*15990	12180	*11750	7550	*8760	5310			*7130	4890	8.17
(-15 ft)	lb	*45170	*45170	*51300	*51300	*35250	26850	*25900	16640	*19310	11710			*15720	10780	(26.8)
-6.0 m	kg			*18470	*18470	*12960	12710									
(-20 ft)	lb			*40720	*40720	*28570	28020									

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															*4730	4550	9.45
(30 ft)	lb															*10430	10030	(31.0)
7.5 m	kg											*2520	*2520			*4540	3600	10.42
(25 ft)	lb											*5560	*5560			*10010	7940	(34.2)
6.0 m	kg											*4240	*4240			*4430	3030	11.07
(20 ft)	lb											*9350	*9350			*9770	6680	(36.3)
4.5 m	kg									*5830	*5830	*5400	4660			*4460	2690	11.46
(15 ft)	lb									*12850	*12850	*11900	10270			*9830	5930	(37.6)
3.0m	kg			*16650	*16650	*10530	*10530	*8100	*8100	*6840	6270	*6120	4410	*2440	*2440	*4600	2510	11.63
(10 ft)	lb			*36710	*36710	*23210	*23210	*17860	*17860	*15080	13820	*13490	9720	*5380	*5380	*10140	5530	(38.2)
1.5 m	kg			*13910	*13910	*13920	13550	*9920	8500	*7910	5830	*6760	4160	*2770	*2770	*4800	2460	11.58
(5 ft)	lb			*30670	*30670	*30690	29870	*21870	18740	*17440	12850	*14900	9170	*6110	*6110	*10580	5420	(38.0)
Ground	kg			*13270	*13270	*16270	12500	*11410	7880	*8850	5450	7320	3940			4950	2530	11.31
Line	lb			*29260	*29260	*35870	27560	*25150	17370	*19510	12020	16140	8690			10910	5580	(37.1)
-1.5 m	kg	*11300	*11300	*15660	*15660	*17380	11980	*12340	7500	*9480	5200	7150	3790			5340	2770	10.81
(-5 ft)	lb	*24910	*24910	*34520	*34520	*38320	26410	*27210	16530	*20900	11460	15760	8360			11770	6110	(35.5)
-3.0 m	kg	*14610	*14610	*19300	*19300	*17440	11840	*12590	7350	9580	5090	*6440	3750			6120	3240	10.02
(-10 ft)	lb	*32210	*32210	*42550	*42550	*38450	26100	*27760	16200	21120	11220	*14200	8270			13490	7140	(32.9)
-4.5 m	kg	*18400	*18400	*24280	*24280	*16450	11980	*12020	7400	*9090	5150					*6480	4160	8.87
(-15 ft)	lb	*40570	*40570	*53530	*53530	*36270	26410	*26500	16310	*20040	11350					*14290	9170	(29.1)
-6.0 m	kg	*23070	*23070	*20270	*20270	*14020	12410	*10130	7710							*6280	*6280	7.15
(-20 ft)	lb	*50860	*50860	*44690	*44690	*30910	27360	*22330	17000							*13850	*13850	(23.5)

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															*4730	4430	9.45
(30 ft)	lb															*10430	9770	(31.0)
7.5 m	kg											*2520	*2520			*4540	3480	10.42
(25 ft)	lb											*5560	*5560			*10010	7670	(34.2)
6.0 m	kg											*4240	*4240			*4430	2930	11.07
(20 ft)	lb											*9350	*9350			*9770	6460	(36.3)
4.5 m	kg									*5830	*5830	*5400	4530			*4460	2600	11.46
(15 ft)	lb									*12850	*12850	*11900	9990			*9830	5730	(37.6)
3.0m	kg			*16650	*16650	*10530	*10530	*8100	*8100	*6840	6100	*6120	4280	*2440	*2440	*4600	2410	11.63
(10 ft)	lb			*36710	*36710	*23210	*23210	*17860	*17860	*15080	13450	*13490	9440	*5380	*5380	*10140	5310	(38.2)
1.5 m	kg			*13910	*13910	*13920	13220	*9920	8280	*7910	5660	*6760	4030	*2770	*2770	4640	2360	11.58
(5 ft)	lb			*30670	*30670	*30690	29150	*21870	18250	*17440	12480	*14900	8880	*6110	*6110	10230	5200	(38.0)
Ground	kg			*13270	*13270	*16270	12170	*11410	7660	*8850	5290	7100	3800			4790	2430	11.31
Line	lb			*29260	*29260	*35870	26830	*25150	16890	*19510	11660	15650	8380			10560	5360	(37.1)
-1.5 m	kg	*11300	*11300	*15660	*15660	*17380	11660	*12340	7280	9430	5040	6940	3660			5180	2660	10.81
(-5 ft)	lb	*24910	*24910	*34520	*34520	*38320	25710	*27210	16050	20790	11110	15300	8070			11420	5860	(35.5)
-3.0 m	kg	*14610	*14610	*19300	*19300	*17440	11520	*12590	7130	9300	4930	*6440	3620			5930	3120	10.02
(-10 ft)	lb	*32210	*32210	*42550	*42550	*38450	25400	*27760	15720	20500	10870	*14200	7980			13070	6880	(32.9)
-4.5 m	kg	*18400	*18400	*24280	*24280	*16450	11650	*12020	7180	*9090	4990					*6480	4020	8.87
(-15 ft)	lb	*40570	*40570	*53530	*53530	*36270	25680	*26500	15830	*20040	11000					*14290	8860	(29.1)
-6.0 m	kg	*23070	*23070	*20270	*20270	*14020	12080	*10130	7490							*6280	6130	7.15
(-20 ft)	lb	*50860	*50860	*44690	*44690	*30910	26630	*22330	16510							*13850	13510	(23.5)

1. Lifting capacity are 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 (standard equipment) located on the back of the bucket.
4. (*) indicates 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									*7340	*7340	6.65
(30 ft)	lb									*16180	*16180	(21.8)
7.5 m	kg									*7180	5140	8.02
(25 ft)	lb									*15830	11330	(26.3)
6.0 m	kg					*8390	*8390	*6360	5650	*7220	4050	8.88
(20 ft)	lb					*18500	*18500	*14020	12460	*15920	8930	(29.1)
4.5 m	kg	*18060	*18060	*11970	*11970	*9590	8170	*8420	5460	7290	3470	9.38
(15 ft)	lb	*39820	*39820	*26390	*26390	*21140	18010	*18560	12040	16070	7650	(30.8)
3.0m	kg			*15150	11780	*11090	7530	*9140	5150	6860	3190	9.58
(10 ft)	lb			*33400	25970	*24450	16600	*20150	11350	15120	7030	(31.4)
1.5 m	kg			*17500	10700	*12420	6960	*9850	4840	6820	3120	9.52
(5 ft)	lb			*38580	23590	*27380	15340	*21720	10670	15040	6880	(31.2)
Ground	kg	*13560	*13560	*18320	10200	*13190	6580	9970	4620	7180	3280	9.19
Line	lb	*29890	*29890	*40390	22490	*29080	14510	21980	10190	15830	7230	(30.2)
-1.5 m	kg	*21190	20510	*17920	10070	*13180	6410	9860	4520	*8100	3750	8.53
(-5 ft)	lb	*46720	45220	*39510	22200	*29060	14130	21740	9960	*17860	8270	(28.0)
-3.0 m	kg	*22680	20880	*16340	10190	*12110	6460			*7940	4820	7.47
(-10 ft)	lb	*50000	46030	*36020	22470	*26700	14240			*17500	10630	(24.5)
-4.5 m	kg	*17610	*17610	*12880	10620							
(-15 ft)	lb	*38820	*38820	*28400	23410							

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									*6590	6220	7.22
(30 ft)	lb									*14530	13710	(23.7)
7.5 m	kg									*6530	4410	8.49
(25 ft)	lb									*14400	9720	(27.9)
6.0 m	kg					*7780	*7780	*7270	5490	*6610	3520	9.29
(20 ft)	lb					*17150	*17150	*16030	12100	*14570	7760	(30.5)
4.5 m	kg			*11660	*11660	*9080	7800	*7850	5240	6610	3030	9.77
(15 ft)	lb			*25710	*25710	*20020	17200	*17310	11550	14570	6680	(32.1)
3.0m	kg			*14960	11030	*10660	7140	*8660	4910	6260	2800	9.97
(10 ft)	lb			*32980	24320	*23500	15740	*19090	10820	13800	6170	(32.7)
1.5 m	kg			*17220	10070	*12020	6580	*9440	4600	6230	2750	9.91
(5 ft)	lb			*37960	22200	*26500	14510	*20810	10140	13730	6060	(32.5)
Ground	kg			*17930	9730	*12830	6250	9720	4390	6550	2900	9.59
Line	lb			*39530	21450	*28290	13780	21430	9680	14440	6390	(31.5)
-1.5 m	kg	*17990	*17990	*17600	9710	*12940	6140	9630	4320	7360	3320	8.97
(-5 ft)	lb	*39660	*39660	*38800	21410	*28530	13540	21230	9520	16230	7320	(29.4)
-3.0 m	kg	*22550	20580	*16330	9910	*12200	6230			*7610	4220	7.97
(-10 ft)	lb	*49710	45370	*36000	21850	*26900	13730			*16780	9300	(26.1)
-4.5 m	kg	*18530	*18530	*13650	10370					*6880	6460	6.39
(-15 ft)	lb	*40850	*40850	*30090	22860					*15170	14240	(21.0)

Boom : 6.5 m (21′ 4″) / Arm : 2.9 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													*5910	5640	7.62
(30 ft)	lb													*13030	12430	(25.0)
7.5 m	kg									*3960	*3960			*5940	4060	8.82
(25 ft)	lb									*8730	*8730			*13100	8950	(28.9)
6.0 m	kg									*6640	5520			*6070	3250	9.59
(20 ft)	lb									*14640	12170			*13380	7170	(31.5)
4.5 m	kg					*10480	*10480	*8360	7880	*7290	5240			6230	2790	10.05
(15 ft)	lb					*23100	*23100	*18430	17370	*16070	11550			13730	6150	(33.0)
3.0m	kg					*13800	11250	*9980	7170	*8160	4880	*5850	3390	5890	2560	10.25
(10 ft)	lb					*30420	24800	*22000	15810	*17990	10760	*12900	7470	12990	5640	(33.6)
1.5 m	kg					*16400	10100	*11470	6550	*9010	4530	*6870	3210	5850	2500	10.19
(5 ft)	lb					*36160	22270	*25290	14440	*19860	9990	*15150	7080	12900	5510	(33.4)
Ground	kg			*12680	*12680	*17570	9590	*12460	6140	9610	4280	*5550	3090	6120	2620	9.88
Line	lb			*27950	*27950	*38740	21140	*27470	13540	21190	9440	*12240	6810	13490	5780	(32.4)
-1.5 m	kg	*14590	*14590	*18220	*18220	*17600	9480	*12780	5970	9480	4160			6810	2970	9.28
(-5 ft)	lb	*32170	*32170	*40170	*40170	*38800	20900	*28180	13160	20900	9170			15010	6550	(30.4)
-3.0 m	kg	*19350	*19350	*23760	19990	*16660	9610	*12320	6000	*9350	4210			*7520	3730	8.33
(-10 ft)	lb	*42660	*42660	*52380	44070	*36730	21190	*27160	13230	*20610	9280			*16580	8220	(27.3)
-4.5 m	kg			*20160	*20160	*14470	10000	*10640	6280					*7280	5520	6.85
(-15 ft)	lb			*44450	*44450	*31900	22050	*23460	13850					*16050	12170	(22.5)

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.

Lifting Capacity

R380NLC-9A

Rating over-front Rating over-side or 360 degree

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													*5710	5300	7.97
(30 ft)	lb													*12590	11680	(26.1)
7.5 m	kg									*4390	*4390			*5780	3920	9.12
(25 ft)	lb									*9680	*9680			*12740	8640	(29.9)
6.0 m	kg									*6420	5710			*5870	3180	9.87
(20 ft)	lb									*14150	12590			*12940	7010	(32.4)
4.5 m	kg							*8060	*8060	*7110	5420	*4290	3720	*5960	2750	10.32
(15 ft)	lb							*17770	*17770	*15670	11950	*9460	8200	*13140	6060	(33.9)
3.0m	kg					*13300	11710	*9750	7410	*8030	5050	*6210	3540	5750	2530	10.50
(10 ft)	lb					*29320	25820	*21500	16340	*17700	11130	*13690	7800	12680	5580	(34.4)
1.5 m	kg					*16150	10500	*11350	6780	*8950	4700	*7370	3350	5700	2480	10.45
(5 ft)	lb					*35600	23150	*25020	14950	*19730	10360	*16250	7390	12570	5470	(34.3)
Ground	kg			*13270	*13270	*17630	9880	*12470	6350	*9670	4430	*6930	3210	5940	2580	10.14
Line	lb			*29260	*29260	*38870	21780	*27490	14000	*21320	9770	*15280	7080	13100	5690	(33.3)
-1.5 m	kg	*13890	*13890	*17710	*17710	*17910	9690	*12940	6130	9590	4280			6550	2890	9.57
(-5 ft)	lb	*30620	*30620	*39040	*39040	*39480	21360	*28530	13510	21140	9440			14440	6370	(31.4)
-3.0 m	kg	*18060	*18060	*23000	20130	*17190	9750	*12660	6120	9600	4290			*7490	3550	8.65
(-10 ft)	lb	*39820	*39820	*50710	44380	*37900	21500	*27910	13490	21160	9460			*16510	7830	(28.4)
-4.5 m	kg	*22790	*22790	*21610	20770	*15290	10060	*11290	6320					*7450	5030	7.25
(-15 ft)	lb	*50240	*50240	*47640	45790	*33710	22180	*24890	13930					*16420	11090	(23.8)
-6.0 m	kg					*11190	10720									
(-20 ft)	lb					*24670	23630									

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													*4980	4370	8.81
(30 ft)	lb													*10980	9630	(28.9)
7.5 m	kg													*5090	3320	9.85
(25 ft)	lb													*11220	7320	(32.3)
6.0 m	kg									*5620	*5620	*3450	*3450	*5250	2720	10.54
(20 ft)	lb									*12390	*12390	*7610	*7610	*11570	6000	(34.6)
4.5 m	kg									*6360	5450	*5240	3730	5400	2360	10.95
(15 ft)	lb									*14020	12020	*11550	8220	11900	5200	(35.9)
3.0m	kg			*19460	*19460	*11690	*11690	*8790	7500	*7330	5050	*6520	3510	5130	2160	11.13
(10 ft)	lb			*42900	*42900	*25770	*25770	*19380	10530	*16160	11130	*14370	7740	11310	4760	(36.5)
1.5 m	kg			*12880	*12880	*14870	10660	*10520	6790	*8340	4650	*7100	3280	5080	2100	11.07
(5 ft)	lb			*28400	*28400	*32780	23500	*23190	14970	*18390	10250	*15650	7230	11200	4630	(36.3)
Ground	kg			*13900	*13900	*16870	9830	*11860	6260	*9180	4330	7100	3090	5250	2170	10.79
Line	lb			*30640	*30640	*37190	21670	*26150	13800	*20240	9550	15650	6810	11570	4780	(35.4)
-1.5 m	kg	*12810	*12810	*17050	*17050	*17630	9470	*12590	5960	*9430	4120	6970	2980	5710	2400	10.26
(-5 ft)	lb	*28240	*28240	*37590	*37590	*38870	20880	*27760	13140	*20790	9080	15370	6570	12590	5290	(33.7)
-3.0 m	kg	*16420	*16420	*21270	19510	*17360	94300	*12630	5870	9360	4060			6630	2880	9.42
(-10 ft)	lb	*36200	*36200	*46890	43010	*38270	20790	*27840	12940	20640	8950			14620	6350	(30.9)
-4.5 m	kg	*20490	*20490	*23270	20020	*15990	9630	*11750	5980	*8760	4190			*7130	3890	8.17
(-15 ft)	lb	*45170	*45170	*51300	44140	*35250	21230	*25900	13180	*19310	9240			*15720	8580	(26.8)
-6.0 m	kg			*18470	*18470	*12960	10130									
(-20 ft)	lb			*40720	*40720	*28570	22330									

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															*4730	3710	9.45
(30 ft)	lb															*10430	8180	(31.0)
7.5 m	kg											*2520	*2520			*4540	2860	10.42
(25 ft)	lb											*5560	*5560			*10010	6310	(34.2)
6.0 m	kg											*4240	3950			*4430	2360	11.07
(20 ft)	lb											*9350	8710			*9770	5200	(36.3)
4.5 m	kg									*5830	5540	*5400	3770			*4460	2050	11.46
(15 ft)	lb									*12850	12210	*11900	8310			*9830	4520	(37.6)
3.0m	kg			*16650	*16650	*10530	*10530	*8100	7660	*6840	5120	*6120	3530	*2440	2420	*4600	1880	11.63
(10 ft)	lb			*36710	*36710	*23210	*23210	*17860	16890	*15080	11290	*13490	7780	*5380	5340	*10140	4140	(38.2)
1.5 m	kg			*13910	*13910	*13920	10930	*9920	6900	*7910	4690	*6760	3280	*2770	2290	4630	1830	11.58
(5 ft)	lb			*30670	*30670	*30690	24100	*21870	15210	*17440	10340	*14900	7230	*6110	5050	10210	4030	(38.0)
Ground	kg			*13270	*13270	*16270	9930	*11410	6300	*8850	4330	7080	3060			4770	1890	11.31
Line	lb			*29260	*29260	*35870	21890	*25150	13890	*19510	9550	15610	6750			10520	4170	(37.1)
-1.5 m	kg	*11300	*11300	*15660	*15660	*17380	9440	*12340	5940	9400	4080	6920	2920			5160	2080	10.81
(-5 ft)	lb	*24910	*24910	*34520	*34520	*38320	20810	*27210	13100	20720	8990	15260	6440			11380	4590	(35.5)
-3.0 m	kg	*14610	*14610	*19300	19220	*17440	9310	*12590	5790	9280	3970	*6440	2880			5910	2480	10.02
(-10 ft)	lb	*32210	*32210	*42550	42370	*38450	20530	*27760	12760	20460	8750	*14200	6350			13030	5470	(32.9)
-4.5 m	kg	*18400	*18400	*24280	19650	*16450	9440	*12020	5840	*9090	4030					*6480	3260	8.87
(-15 ft)	lb	*40570	*40570	*53530	43320	*36270	20810	*26500	12870	*20040	8880					*14290	7190	(29.1)
-6.0 m	kg	*23070	*23070	*20270	*20270	*14020	9840	*10130	6130							*6280	5080	7.15
(-20 ft)	lb	*50860	*50860	*44690	*44690	*30910	21690	*22330	13510							*13850	11200	(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 type 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 overoad 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″
  - 2.9 m, 9′ 6″ Heavy Duty
  - 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)
- 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.