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
  - Cabin roof-steel cover
  - Radio / USB player
  - 12 volt power outlet (24V DC to 12V DC converter)
- Computer aided power optimization (New CAPO) system
  - 3-power mode, 2-work mode, User mode
  - Auto deceleration & one-touch deceleration system
  - Auto warm-up system
  - Auto overheat prevention system
- Automatic climate control
  - Air conditioner & heater
  - Defroster
- Self-diagnostics system
- Starting Aid (air grid heater) for cold weather
- Centralized monitoring
  - LCD display
  - Engine speed or Trip meter/Accel.
  - Clock
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warnings
  - Check engine
  - Overload
  - Communication error
  - Low battery
  - Air cleaner clogging
  - Indicators
  - Max power
  - Low speed/High speed
  - Fuel warmer
  - Auto idle
- Door and cab locks, one key
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Pilot-operated slidable joystick
- Six front working lights (4 boom mounted, 2 front frame mounted)
- Electric horn
- Batteries (2 x 12V x 160 AH)
- Battery master switch
- Removable clean-out dust net for cooler
- Automatic swing brake
- Recurved reservoir tank
- Fuel pre-filter
- 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)

OPTIONAL EQUIPMENT

- Fuel filler pump (35 L/min)
- Beacon lamp
- Single-acting piping kit (breaker, etc.)
- Double-acting piping kit (clamshell, etc.)
- Quick coupler
- Travel alarm
- Booms
  - 6.15 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"
- Climate control
  - Air conditioner only
  - Heater only
- Cabin FOPS (ISO 10262 Level II)
  - FOPS (Falling Object Protective Structure)
- Cabin guard-Front
  - Wire net
  - Fine net
- Cabin lights
- Cabin front window rain guard
- Sun visor
- Track shoes
  - Triple grousers shoe (700mm, 28")
  - Triple grousers shoe (750mm, 30")
  - Triple grousers shoe (800mm, 32")
  - Triple grousers shoe (900mm, 36")
  - Double grousers shoe (600mm, 24")
  - Double grousers shoe (700mm, 28")
  - Heavy duty track shoe (600mm, 24")
  - Heavy duty track shoe (700mm, 28")
  - Full track rail guard (3-piece track rail guard)
- Lower frame under cover (Additional)
- Pre-heating system, coolant
- Tool kit
- Operator suit
- Rearview camera
- Seat
  - Mechanical suspension seat with heater
- Hi-mate (Remote Management System)
- Fuel warmer
- Air compressor
- Precleaner
- Cat walk

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

HYUNDAI CONSTRUCTION EQUIPMENT

Head Office (Sales office)

First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

www.hyundai-ce.com 2020.01 Rev.10

MOVING YOU FURTHER

Robex 380LC-9SH

With Tier 2 Engine installed

*Photo may include optional equipment.

HYUNDAI CONSTRUCTION EQUIPMENT

Pride at Work

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

*Photo may include optional equipment.

Robex 380LC-9SH

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Hyundai D6AC-C engine
Low noise / Auto engine warm up feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps
New compact solenoid block equipped with 4 solenoid valves, 1 EPPR valves, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

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

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

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

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

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

Undercarriage

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

Preference

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

*Photo may include optional equipment.

Wide Cabin with Excellent Visibility

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

Operator Comfort

In 9S Series cabin you can easily adjust the seat, console and armrest settings to best suit your personal operating preferences. Seat and console position can be set together and independent from each other. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system and the radio / USB player.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9S Series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo is perfect for listening to music favorites.

Operator - Friendly Cluster

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

Precision

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

*Photo may include optional equipment.

Computer Aided Power

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

Power Mode

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

Work Mode

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

User Mode

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

Improved Hydraulic System

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

Auto Boom-swing Priority

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

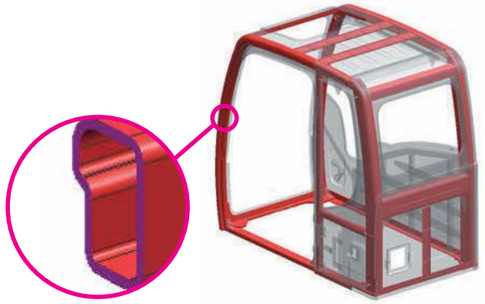
Performance

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

*Photo may include optional equipment.

Track Rail Guard & Adjusters

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



Structural Strength

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

HYUNDAI D6AC-C ENGINE

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

A More Reliable Way To Reach Your Dream.

When you have a tough job to do, you need power precision and flexibility of Hyundai D6AC-C engine. It is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the D6AC-C is built stronger to last longer.

The D6AC-C engine is capable of reaching Tier 2 emission standards without electronic engine controls. It uses durable mechanical IN-LINE fuel injection system. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

Profitability

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

*Photo may include optional equipment.

Fuel Efficiency

9S Series excavators are engineered to be extremely fuel efficient. New innovations like two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.

Hi-MATE (Remote Management System)

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

Easy Access

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

Long-Life Components

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

Specifications

ENGINE

MODEL			HYUNDAI D6AC-C
Type			Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged, charger air cooled, low emission
Rated flywheel horsepower	SAE	J1995 (gross)	276 HP (206 kW) at 1,900 rpm
		J1349 (net)	261 HP (195 kW) at 1,900 rpm
	DIN	6271/1 (gross)	280 PS (206 kW) at 1,900 rpm
		6271/1 (net)	265 PS (195 kW) at 1,900 rpm
Max. torque			120 kgf.m (868 b.ft) / 1,400 rpm
Bore X stroke			130 mm X 140 mm (9.56" X 10.3")
Piston displacement			11,149cc (680 in^3)
Batteries			2 X 12V X 160AH
Starting motor			24V, 5.5 kW
Alternator			24V, 70 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Rated flow	2 X 280 L /min (74.0 US gpm / 61.6 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")
	Bucket : Ø160×1,295 ST * 6,150 mm (20' 2") Boom and 2,500 mm (8' 2") arm only

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)	5.0 km/hr (3.1 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	10 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	550	145.3	121.0
Engine coolant	52.0	13.7	11.4
Engine oil	27.3	7.2	6.0
Swing device-gear oil	8.0	2.1	1.8
Final drive(each)-gear oil	4.3	1.1	0.9
Hydraulic system(including tank)	410.0	108.3	90.2
Hydraulic tank	210.0	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 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

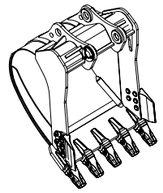
Operating weight, including 6,500mm (21' 4") boom, 3,200mm (10' 6") arm, SAE heaped 1.62m^3 (2.12 yd^3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
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)

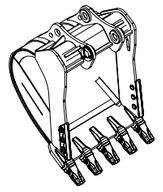
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm(in)	kg (lb)	kgf/cm^2 (psi)
Triple grouser	600 (24")	38,450 (84,770)	0.69 (9.81)
	700 (28")	38,900 (85,760)	0.60 (8.51)
	750 (30")	39,125 (86,260)	0.56 (7.98)
	800 (32")	39,350 (86,750)	0.53 (7.54)
	900 (36")	39,800 (87,740)	0.48 (6.83)
Heavy Duty	600 (24")	38,840 (85,630)	0.69 (9.81)
	700 (28")	39,360 (86,770)	0.60 (8.53)
Double grouser	600 (24")	38,695 (85,310)	0.69 (9.81)
	700 (28")	39,195 (86,410)	0.60 (8.53)

BUCKETS

SAE heaped m^3 (yd^3)



Ⓖ 1.46
1.62
1.90
2.10
2.32



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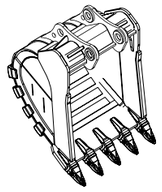


Ⓡ 1.62
1.90

Capacity m^3 (yd3)		Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft-in)						
SAE heaped	CECE heaped				6,150 (20' 2") Boom	6,500 (21' 4") Boom					8,600 (28' 3") Boom
					2,500 (8' 2") Arm	2,500 (8' 2") Arm	2,900 (9' 6") Arm	3,200 (10' 6") Arm	3,900 (12' 10") Arm	4,300 (14' 1") Arm	5,100 (16' 9") Arm
Ⓖ 1.46 (1.91)	1.28 (1.67)	1,370 (54")	1,430 (3,150)	4	●	●	●	●	◐	■	▲
Ⓖ 1.62 (2.12)	1.42 (1.86)	1,480 (58")	1,530 (3,370)	5	●	●	●	◐	■	■	–
Ⓖ 1.90 (2.49)	1.65 (2.16)	1,665 (66")	1,640 (2,450)	5	●	◐	◐	■	▲	▲	–
Ⓖ 2.10 (2.75)	1.84 (2.41)	1,800 (71")	1,720 (3,790)	5	◐	■	■	■	▲	–	–
Ⓖ 2.32 (3.03)	2.02 (2.64)	1,950 (77")	1,830 (4,030)	6	■	■	▲	▲	–	–	–
Ⓗ 1.62 (2.12)	1.42 (1.86)	1,480 (58")	1,660 (3,660)	5	●	●	●	◐	■	▲	–
Ⓗ 1.90 (2.49)	1.65 (2.16)	1,665 (66")	1,790 (3,950)	5	●	◐	■	■	▲	▲	–
Ⓗ 2.10 (2.75)	1.84 (2.41)	1,800 (71")	1,880 (4,140)	5	◐	■	■	▲	▲	–	–
Ⓡ 1.62 (2.12)	1.42 (1.86)	1,480 (58")	1,850 (4,080)	5	●	●	◐	◐	–	–	–
Ⓡ 1.90 (2.49)	1.65 (2.16)	1,665 (66")	1,990 (4,390)	5	◐	◐	■	■	–	–	–

Ⓖ : General purpose
Ⓗ : Heavy duty
Ⓡ : Rock

● : Applicable for materials with density of 2,100 kg/m^3 (3,500 lb/yd^3) or less
◐ : Applicable for materials with density of 1,800 kg/m^3 (3,000 lb/yd^3) or less
■ : Applicable for materials with density of 1,500 kg/m^3 (2,500 lb/yd^3) or less
▲ : Applicable for materials with density of 1,200 kg/m^3 (2,000 lb/yd^3) or less
– : Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.
6,150 mm (20' 2"), 6,500 mm (21' 4"), 8,600 mm (28' 3"), boom and 2,500 mm (8' 2"), 2,900 mm (9' 6"), 3,200 mm (10' 6"), 3,900 mm (12' 10"), 4,300 mm (14' 1"), 5,100 mm (16' 9"), arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

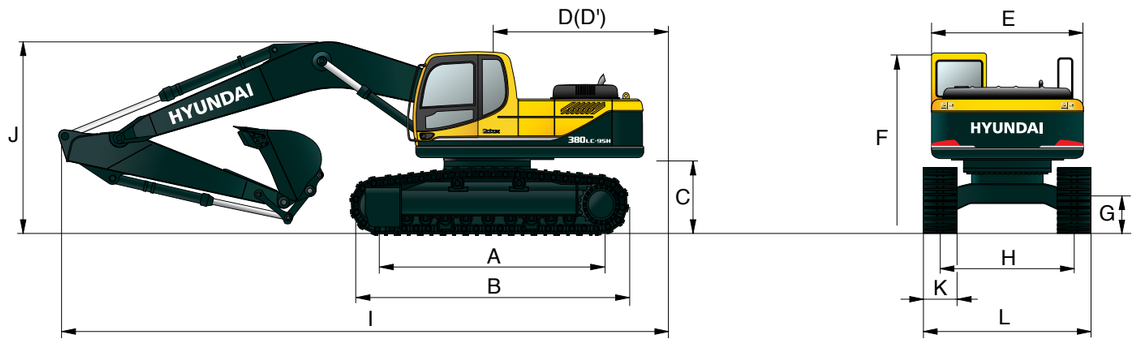
DIGGING FORCE

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)	2,140 (4,720)	2,010 (4,430)	2,220 (4,890)	2,340 (5,160)	2,560 (5,640)	
Bucket digging force	SAE	kN	228.5 [249.3]	228.5 [249.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	
		kgf	23,300 [25,420]	23,300 [25,420]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	
		lbf	51,370 [56,040]	51,370 [56,040]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	
	ISO	kN	259.9 [283.5]	259.9 [283.5]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	
		kgf	26,500 [28,910]	26,500 [28,910]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	
		lbf	58,420 [63,740]	58,420 [63,730]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	[ ]: Power Boost
Arm crowd force	SAE	kN	184.4 [201.1]	164.8 [179.8]	152.0 [165.8]	135.3 [147.6]	124.5 [135.9]	109.8 [119.8]	
		kgf	18,800 [20,510]	16,800 [18,330]	15,500 [16,910]	13,800 [15,050]	12,700 [13,850]	11,200 [12,220]	
		lbf	41,450 [45,220]	37,040 [40,410]	34,170 [37,280]	30,420 [33,190]	28,000 [30,550]	24,690 [26,930]	
	ISO	kN	192.2 [209.7]	170.6 [186.1]	156.9 [171.2]	139.3 [151.9]	128.5 [140.1]	112.8 [123.0]	
		kgf	19,600 [21,380]	17,400 [18,980]	16,000 [17,450]	14,200 [15,490]	13,100 [14,290]	11,500 [12,550]	
		lbf	43,210 [47,140]	38,360 [41,840]	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-9SH DIMENSIONS



mm (ft·in)

A	Tumbler distance	4,340 (14′ 3″)
B	Overall length of crawler	5,217 (17'1'')
C	Ground clearance of counterweight	1,295 (4′ 3″)
D	Tail swing radius	3,425 (11′ 3″)
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	2,740 (8′ 12″)

Unit : mm (ft·in)

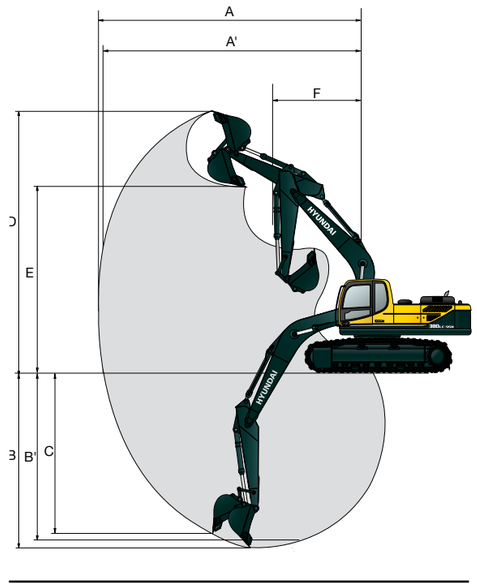
	Boom length	6,150 (20′ 2″)	6,500 (21′ 4″)					8,600 (28′ 3″)
	Arm length	2,500 (8′ 2″)	2,500 (8′ 2″)	2,900 (10′ 6″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	5,100 (16′ 9″)
I	Overall length	10,880 (35′ 8″)	11,240 (36′ 11″)	11,180 (36′ 8″)	11,120 (36′ 6″)	11,160 (36′ 7″)	11,110 (36′ 5″)	13,070 (42′ 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	3,340 (10′ 11″)	3,440 (11′ 3″)	3,490 (11′ 5″)	3,540 (11′ 7″)	3,640 (11′ 11″)

Dimensions & Working Range

R380LC-9SH 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 (9′ 6″)	3,200 (10′ 6″)	3,900 (12′ 10″)	4,300 (14′ 1″)	5,100 (16′ 9″)
A	Max. digging reach	10,330 (33′ 2″)	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 (40′ 0″)	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 (27′ 0″)	8,620 (28′ 3″)	7,370 (24′ 2″)
B'	Max. digging depth (8' level)	6,270 (20′ 7″)	6,640 (21′ 9″)	7,060 (23′ 2″)	7,360 (24′ 2″)	8,080 (26′ 6″)	8,490 (27′ 10″)	7,210 (23′ 8″)
C	Max. vertical wall digging depth	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″)	7,640 (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-9SH

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		8290	4710	8.53
(-5 ft)	lb	*46340	*46340	*40060	27380	*29540	17370	22070		18280	10380	(28.0)
-3.0m	kg	*22960	*22960	*16580	12540	*12330	7930	5610		*8180	5950	7.47
(-10 ft)	lb	*50620	*50620	*36550	27650	*27180	17480	12370		*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)
-3.0m	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)

Lifting Capacity

R380LC-9SH

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													*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)
-3.0m	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 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-9SH

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	*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)
-3.0m	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							*0	0	0.00
(-20 ft)	lb			*41290	*41290	*29100	27510							*0	0	(0.0)

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	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)
-3.0m	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)

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-9SH

Rating over-front Rating over-side or 360 degree

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)
-3.0m	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 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.