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Robex 180 LC-9

With Tier 3 Engine installed

* Photo may include optional equipment.

HD CONSTRUCTION EQUIPMENT

Head Office(Sales Office)
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PLEASE CONTACT

2026. FEB

HYUNDAI

Pride at Work

Hyundai Construction Equipment 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 180LC-9

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Mitsubishi Tier III D04FD-TAA engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
Low noise / Auto engine overheat feature / Anti-restart feature

Hydraulic System Improvements

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

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps
New compact solenoid block equipped with 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab

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

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

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

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

Undercarriage

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

Preference

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

*Photo may include optional equipment.

Wide Cabin with Excellent Visibility

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

Operator Comfort

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

Reduced Stress

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

Operator - Friendly Cluster

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

Precision

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

*Photo may include optional equipment.

Computer Aided Power

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

Power Mode

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

Work Mode

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

User Mode

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

Improved Hydraulic System

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

Auto Boom-swing Priority

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

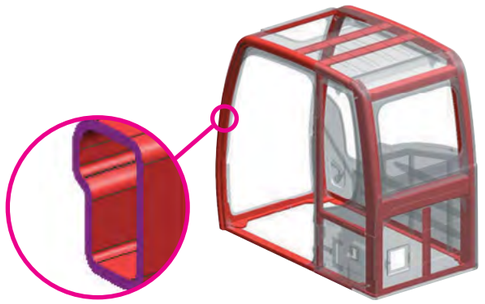
Performance

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

*Photo may include optional equipment.

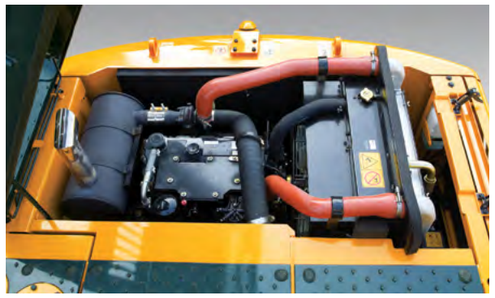
Track Rail Guard & Adjusters

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



Structure Strength

The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Lowstress, 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.



Easy to maintain engine components

The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components.
Servicing of the engine and hydraulics is considerably simplified due to total accessibility.

Mitsubishi D04FD-TAA

The Tier Ⅲ, four cylinder, 4 cycle, turbo-charged, charge air cooled, Mitsubishi D04FD-TAA engine provides maximum power, reliability, optimum fuel economy, and reduced emissions. Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.

Heavy-duty strength

Everyone who's ever worked on construction equipment knows, there is no substitute for power and durabilty. The D04FD-TAA handles the toughest loads and the roughest work conditions.
At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation. Plus, the heavy-duty design of the D04FD-TAA engine block and components add reliability and durability you can count on every day, year after year.
Both fuel-efficiency and response are significantly enhanced with the Mitsubishi high pressure common rail fuel system. The system delivers high pressure injection, independent of engine speed, for optimum performance and flexibility at every rpm.

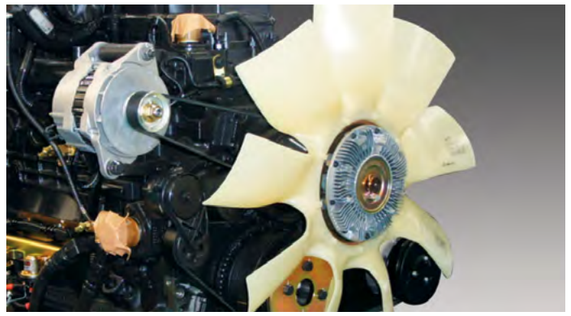
Profitability

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

*Photo may include optional equipment.

Hi MATE (Remote Management System)

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



Fuel Efficiency

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

Easy Access

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

Long-Life Components

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

Specifications

ENGINE

MODEL			Mitsubishi D04FD-TAA
Type			Water cooled, 4 cycle Diesel, 4-cylinders in line, direct injection, turbocharged charger and air cooled
Rated flywheel horse power	SAE	J1995 (gross)	126 HP (94 kW)/ 2,000 rpm
		J1349 (net)	120 HP (90 kW)/ 2,000 rpm
	DIN	6271/1 (gross)	128 PS (94 kW)/ 2,000 rpm
		6271/1 (net)	122 PS (90 kW)/ 2,000 rpm
Max. torque			47.7 kgf.m(345 lbf.ft)/ 1,800 rpm
Bore X stroke			102 x 130 mm (4.01" x 5.12")
Piston displacement			4,249cc (259.3 in3)
Batteries			2 X 12V X 100AH
Starting motor			24V- 5.0kW
Alternator			24V- 50Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement piston pumps
Rated flow	2 X 160L /min (44.4 US gpm / 37.0 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	350 kgf/cm^2 (4,980 psi)
Travel	350 kgf/cm^2 (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm^2 (5,410 psi)
Swing circuit	285 kgf/cm^2 (4,050 psi)
Pilot circuit	40 kgf/cm^2 (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-115 X 1,090 mm (4.5" X 42.9")
	Arm: 1-120 X 1,355 mm (4.7" X 53.3")
	Bucket: 1-110 X 995 mm (4.3" X 39.2")
	Blade: 2-110 X 320 mm (4.3" X 12.6")
	2PCS 1st: 2-115 X 920 mm (4.5" X 36.2")
	2nd: 1-160 X 650 mm (6.3" X 25.6")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	17,000 kgf (37,500 lbf)
Max. travel speed(high) / (low)	5.5 km/hr (3.4 mph) / 3.2 km/hr (2.0 mph)
Gradeability	30° (58 %)
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
Lights	Two lights mounted on the boom Two on the upper frame

SWING SYSTEM

Swing motor	Two fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.3 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	270	71.3	59.4
Engine coolant	15.5	4.1	3.4
Engine oil	17.5	4.6	3.8
Swing device-gear oil	5.0	1.3	1.1
Final drive(each)-gear oil	5.8	1.5	1.3
Hydraulic system(including tank)	270	71.3	59.4
Hydraulic tank	160	42.3	35.2

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	7
No. of rail guard on each side	2

Operating weight (approximate)

Operating weight, including 5,100mm (16' 9") boom, 2,600mm (8' 6") arm, SAE heaped 0.76m3 (0.99 yd3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

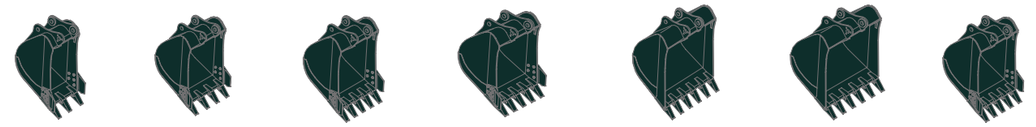
MAJOR COMPONENT WEIGHT	
Upperstructure	4,980 kg (10,980 lb)
(5.1m (16' 9")mono boom(with arm cylinder))	1,250 kg (2,760 lb)
(Hydraulic adjustable boom(with arm cylinder))	1,780 kg (3,920 lb)

OPERATING WEIGHT

Shoes			Operating weight	Ground pressure
Type	Width mm(in)		kg(lb)	kgf/cm^2(psi)
Triple grouser	500 (20")	R180LC-9	18,350(40,450)	0.51(7.25)
		R180LCD-9	19,350(42,660)	0.53(7.54)
		R180NLC-9	18,260(40,260)	0.50(7.11)
	600 (24")	R180LC-9	18,600(41,010)	0.43(6.11)
		R180LCD-9	19,600(43,210)	0.45(6.40)
		R180NLC-9	18,510(40,810)	0.43(6.11)
	700 (28")	R180LC-9	18,850(41,560)	0.37(5.26)
		R180LCD-9	19,850(43,760)	0.39(5.55)
		R180NLC-9	18,760(41,360)	0.37(5.26)
	800 (32")	R180LC-9	19,100(42,110)	0.33(4.69)
		R180LCD-9	20,100(44,310)	0.35(4.98)
		R180NLC-9	19,010(41,910)	0.33(4.69)

BUCKETS

All buckets are welded with high-strength steel.



SAE heaped m^3 (yd^3)	0.39(0.51)	0.50(0.65)	0.64(0.84)	0.76(0.99)	0.89(1.16)	1.05(1.37)	▣0.69(0.90)

Capacity m3 (yd3)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)				
					5,100 (16' 9") Mono Boom			5,100 (16' 9") Hydraulic Adjustable Boom	
SAE heaped	CECE heaped	Without sidecutters	With sidecutters		2,200 (7' 3") Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm	2,200 (7' 3") Arm	2,600 (8' 6") Arm
0.39(0.51)	0.34(0.44)	620(24.4)	740(29.1)	410(900)	●	●	●	●	●
0.50(0.65)	0.44(0.58)	760(29.9)	880(34.6)	470(1,040)	●	●	●	●	●
0.64(0.84)	0.55(0.72)	920(36.2)	1,040(40.9)	510(1,120)	●	●	■	●	■
0.76(0.99)	0.65(0.85)	1,060(41.7)	1,180(46.5)	570(1,260)	●	■	▲	■	▲
0.89(1.16)	0.77(1.01)	1,220(48.0)	1,340(52.8)	610(1,340)	■	▲	-	▲	-
1.05(1.37)	0.90(1.18)	1,400(55.1)	1,520(59.8)	680(1,500)	▲	-	-	▲	-
▣ 0.69(0.90)	0.62(0.81)	990(39.0)	-	700(1,540)	■	■	▲	■	▲

▣ Heavy duty bucket

● : Applicable for materials with density of 2,000 kg /m3 (3,370 lb/ yd3) or less
■ : Applicable for materials with density of 1,600 kg /m3 (2,700 lb/ yd3) or less
▲ : Applicable for materials with density of 1,100 kg /m3 (1,850 lb/ yd3) or less

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 5.1m(16' 9") boom, 5.1m(16' 9") hydraulic adjustable boom and 2.20m(7' 3"), 2.60m(8' 6"), 3.10m(10' 2") armsare available.

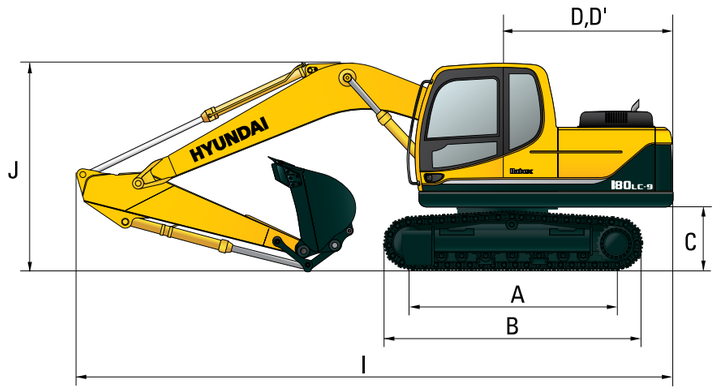
DIGGING FORCE

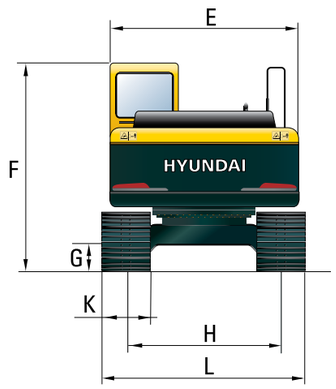
Boom	Length	mm (ft.in)	5,100 (16' 9")			Remarks
	Weight	kg (lb)	1,250 (2,760)			
Arm	Length	mm (ft.in)	2,200 (7' 3")	107.9 [117.2]	107.9 [117.2]	
	Weight	kg (lb)	750 (1,560)	11,000 [11,940]	11,000 [11,940]	
Bucket digging force	SAE	kN	107.9 [117.2]	24,250 [26,330]	24,250 [26,330]	[ ]: Power Boost
		kgf	11,000 [11,940]	123.6 [134.2]	123.6 [134.2]	
		lbf	24,250 [26,330]	12,600 [13,680]	12,600 [13,680]	
	ISO	kN	123.6 [134.2]	27,780 [30,160]	27,780 [30,160]	
		kgf	12,600 [13,680]	77.3 [83.9]	69.0 [74.9]	
		lbf	27,780 [30,160]	7,880 [8,560]	7,030 [7,630]	
Arm crowd force	SAE	kN	87.2 [94.7]	17,370 [18,860]	15,500 [16,830]	
		kgf	8,890 [9,650]	80.3 [87.2]	71.4 [77.5]	
		lbf	19,600 [21,280]	8,190 [8,890]	7,280 [7,900]	
	SAE	kN	91.0 [98.8]	18,060 [19,600]	16,050 [17,430]	
		kgf	9,280 [10,080]	2,600 (8' 6")	3,100 (10' 2")	
		lbf	20,460 [22,210]	810 (1,790)	890 (1,960)	

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

Dimensions & Working Range

R180LC-9 DIMENSIONS





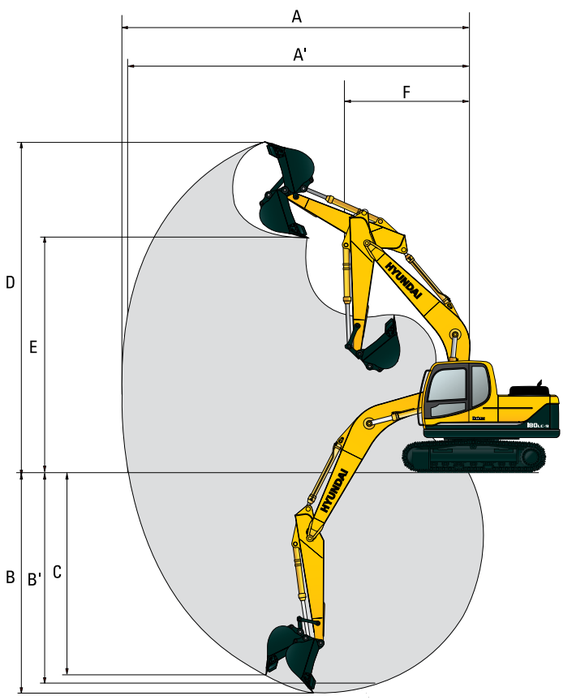
Unit : mm (ft · in)

A	Tumbler distance	3,360 (11′ 0″)
B	Overall length of crawler	4,150 (13′ 7″)
C	Ground clearance of counterweight	1,055 (3′ 6″)
D	Tail swing radius	2,530 (8′ 4″)
D′	Rear-end length	2,480 (8′ 2″)
E	Overall width of upperstructure	2,475 (8′ 1″)
F	Overall height of cab	2,980 (9′ 9″)
G	Min. ground clearance	460 (1′ 6″)
H	Track gauge	2,250 (7′ 5″)

	Boom length	5,100(16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
I	Overall length	8,660 (28′5″)	8,650 (28′ 5″)	8,650 (28′5″)
J	Overall height of boom	3,010 (9′ 11″)	2,990 (9′ 10″)	3,150 (10′ 4″)

K	Track shoe width	500 (20″)	600 (24″)	700 (28″)	800 (32″)
L	Overall width	2,750 (9′ 1″)	2,850 (9′ 5″)	2,950 (9′ 9″)	3,050 (10′ 1″)

R180LC-9 WORKING RANGE

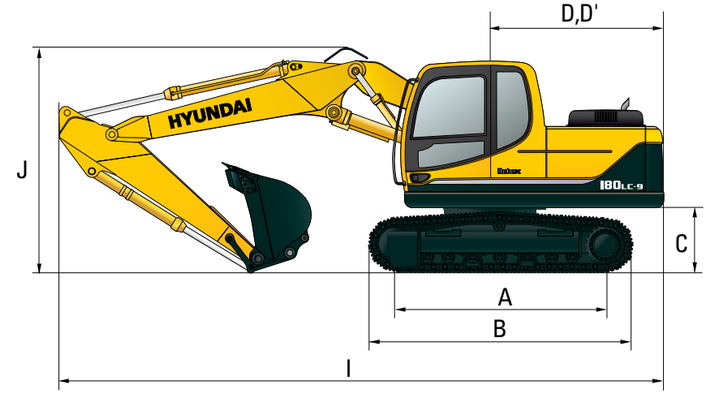


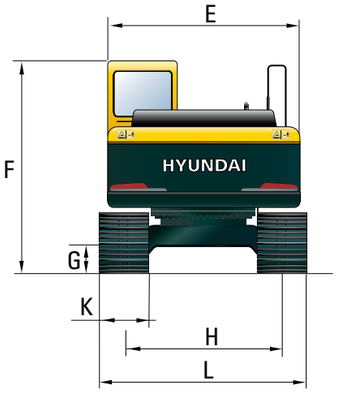
Unit : mm (ft · in)

	Boom length	5,100 (16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
A	Max. digging reach	2,200 (7′ 3″)	9,020 (29′ 7″)	9,450 (31′ 0″)
A′	Max. digging reach on ground	8,690 (28′ 6″)	8,860 (29′ 1″)	9,300 (30′ 6″)
B	Max. digging depth	5,660 (18′ 7″)	6,060 (19′ 11″)	6,560 (21′ 6″)
B′	Max. digging depth (8′ level)	5,430 (17′ 10″)	5,850 (19′ 2″)	6,370 (20′ 11″)
C	Max. vertical wall digging depth	5,120 (16′ 10″)	5,380 (17′ 8″)	5,710 (18′ 9″)
D	Max. digging height	8,750 (28′ 8″)	8,840 (29′ 0″)	8,980 (29′ 6″)
E	Max. dumping height	6,110 (20′ 1″)	6,220 (20′ 5″)	6,390 (21′ 0″)
F	Min. swing radius	3,180 (10′ 5″)	3,170 (10′ 5″)	3,170 (10′ 5″)

Dimensions & Working Range

R180LC-9 2-PIECE BOOM DIMENSIONS





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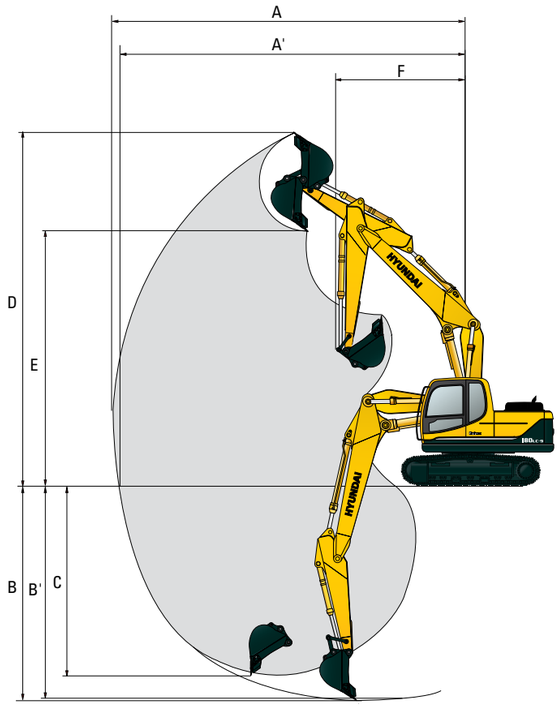
E	Overall width of upperstructure	2,475 (8′ 1″)
F	Overall height of cab	2,980 (9′ 9″)
G	Min. ground clearance	460 (1′ 6″)
H	Track gauge	2,250 (7′ 5″)

	Boom length	5,100(16′ 9″)	
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)
I	Overall length	8,610 (28′ 3″)	8,610 (28′ 3″)
J	Overall height of boom	3,040 (9′ 12″)	3,060 (10′ 0″)

K	Track shoe width	500 (20″)	600 (24″)	700 (28″)	800 (32″)
L	Overall width	2,750 (9′ 1″)	2,850 (9′ 5″)	2,950 (9′ 9″)	3,050 (10′ 1″)

R180LC-9 2-PIECE BOOM WORKING RANGE

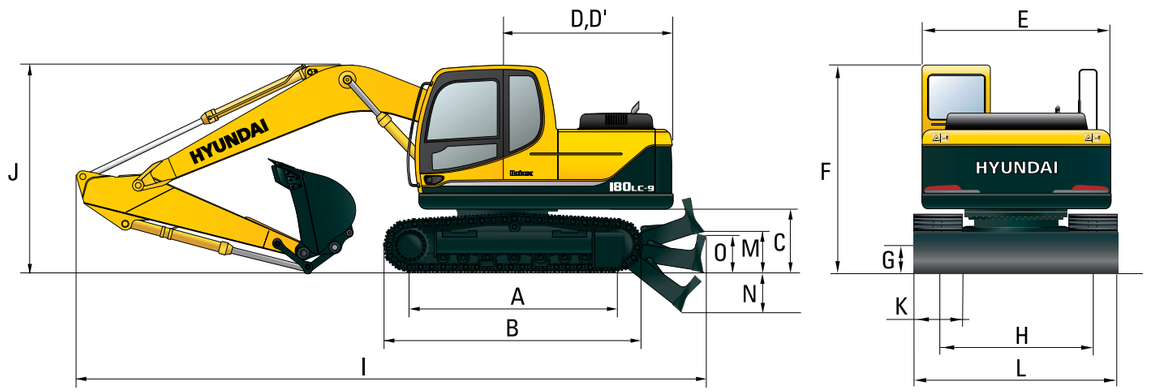


Unit : mm (ft · in)

	Boom length	5,100 (16′ 9″)	
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)
A	Max. digging reach	8,760 (28′ 9″)	9,110 (29′ 11″)
A′	Max. digging reach on ground	8,590 (28′ 2″)	8,950 (29′ 4″)
B	Max. digging depth	5,430 (17′ 10″)	5,830 (19′ 2″)
B′	Max. digging depth (8′ level)	5,330 (17′ 6″)	5,730 (18′ 10″)
C	Max. vertical wall digging depth	4,630 (15′ 2″)	4,980 (16′ 4″)
D	Max. digging height	9,420 (30′ 11″)	9,610 (31′ 6″)
E	Max. dumping height	6,710 (22′ 0″)	6,910 (22′ 8″)
F	Min. swing radius	3,100 (10′ 2″)	2,970 (9′ 9″)

Dimensions & Working Range

R180LCD-9 DIMENSIONS



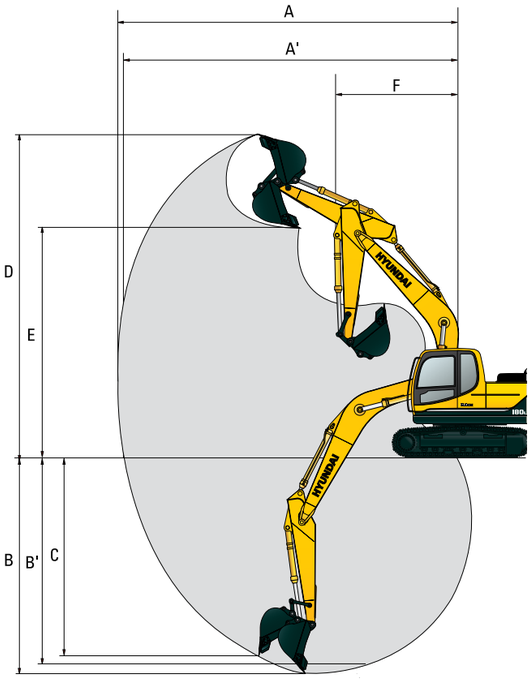
A	Tumbler distance	3,360 (11′ 0″)
B	Overall length of crawler	4,150 (13′ 7″)
C	Ground clearance of counterweight	1,055 (3′ 6″)
D	Tail swing radius	2,530 (8′ 4″)
D′	Rear-end length	2,480 (8′ 2″)
E	Overall width of upperstructure	2,475 (8′ 1″)
F	Overall height of cab	2,980 (9′ 9″)
G	Min. ground clearance	460 (1′ 6″)
H	Track gauge	2,250 (7′ 5″)
M	Ground clearance of blade up	615 (2′ 0″)
N	Depth of blade down	675 (2′ 3″)
O	Height of blade	640 (2′ 1″)

	Boom length	5,100(16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
I	Overall length	9,110 (29′11″)	9,100 (29′ 10″)	9,100 (29′10″)
J	Overall height of boom	3,010 (9′ 11″)	2,990 (9′ 10″)	3,150 (10′ 4″)

K	Track shoe width	500 (20″)	600 (24″)	700 (28″)	800 (32″)
L	Overall width	2,750 (9′ 1″)	2,850 (9′ 5″)	2,950 (9′ 9″)	3,050 (10′ 1″)

Unit : mm (ft · in)

R180LCD-9 WORKING RANGE

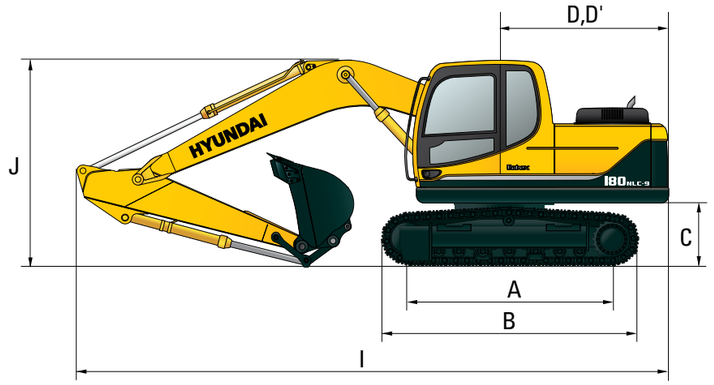


Unit : mm (ft · in)

	Boom length	5,100 (16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
A	Max. digging reach	2,200 (7′ 3″)	9,020 (29′ 7″)	9,450 (31′ 0″)
A′	Max. digging reach on ground	8,690 (28′ 6″)	8,860 (29′ 1″)	9,300 (30′ 6″)
B	Max. digging depth	5,660 (18′ 7″)	6,060 (19′ 11″)	6,560 (21′ 6″)
B′	Max. digging depth (8′ level)	5,430 (17′ 10″)	5,850 (19′ 2″)	6,370 (20′ 11″)
C	Max. vertical wall digging depth	5,120 (16′ 10″)	5,380 (17′ 8″)	5,710 (18′ 9″)
D	Max. digging height	8,750 (28′ 8″)	8,840 (29′ 0″)	8,980 (29′ 6″)
E	Max. dumping height	6,110 (20′ 1″)	6,220 (20′ 5″)	6,390 (21′ 0″)
F	Min. swing radius	3,180 (10′ 5″)	3,170 (10′ 5″)	3,170 (10′ 5″)

Dimensions & Working Range

R180NLC-9 DIMENSIONS



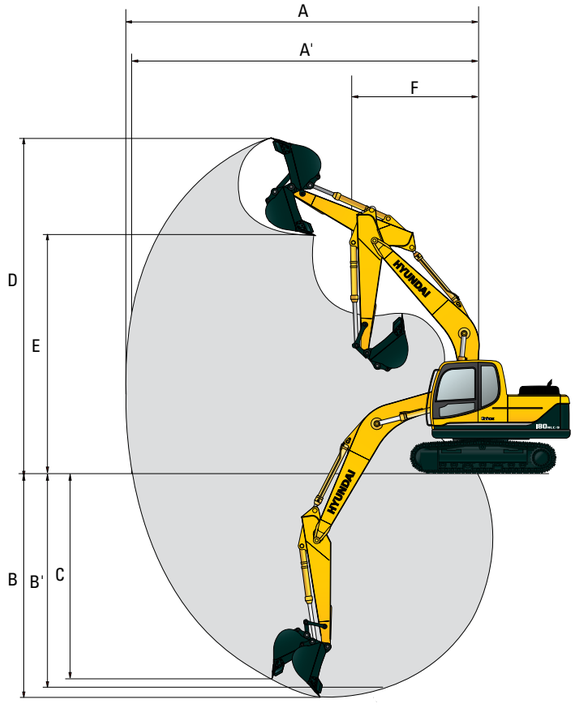
A	Tumbler distance	3,360 (11′ 0″)
B	Overall length of crawler	4,150 (13′ 7″)
C	Ground clearance of counterweight	1,055 (3′ 6″)
D	Tail swing radius	2,530 (8′ 4″)
D′	Rear-end length	2,480 (8′ 2″)
E	Overall width of upperstructure	2,475 (8′ 1″)
F	Overall height of cab	2,990 (9′ 10″)
G	Min. ground clearance	460 (1′ 6″)
H	Track gauge	2,000 (6′ 7″)

	Boom length	5,100(16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
I	Overall length	8,660 (28′5″)	8,650 (28′ 5″)	8,650 (28′5″)
J	Overall height of boom	3,010 (9′ 11″)	2,990 (9′ 10″)	3,150 (10′ 4″)

K	Track shoe width	500 (20″)	600 (24″)	700 (28″)
L	Overall width	2,500 (8′ 2″)	2,600 (8′ 6″)	2,700 (8′ 10″)

Unit : mm (ft · in)

R180NLC-9 WORKING RANGE



Unit : mm (ft · in)

	Boom length	5,100 (16′ 9″)		
	Arm length	2,200 (7′ 3″)	2,600 (8′ 6″)	3,100 (10′ 2″)
A	Max. digging reach	8,690 (28′ 6″)	9,020 (29′ 7″)	9,450 (31′ 0″)
A′	Max. digging reach on ground	8,530 (27′ 12″)	8,860 (29′ 1″)	9,300 (30′ 6″)
B	Max. digging depth	5,660 (18′ 7″)	6,060 (19′ 11″)	6,560 (21′ 6″)
B′	Max. digging depth (8′ level)	5,430 (17′ 10″)	5,850 (19′ 2″)	6,370 (20′ 11″)
C	Max. vertical wall digging depth	5,120 (16′ 10″)	5,380 (17′ 8″)	5,710 (18′ 9″)
D	Max. digging height	8,750 (28′ 8″)	8,840 (29′ 0″)	8,980 (29′ 6″)
E	Max. dumping height	6,110 (20′ 1″)	6,220 (20′ 5″)	6,390 (21′ 0″)
F	Min. swing radius	3,180 (10′ 5″)	3,170 (10′ 5″)	3,170 (10′ 5″)

Lifting Capacity

R180LC-9

Rating over-front Rating over-side or 360 degree

Boom : 5.10 m (16′ 9″) / Arm : 2.20 m (7′ 3″) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5ft)		3.0 m (10ft)		4.5 m (15ft)		6.0 m (20ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*4,050	3,800	6.61
(25 ft)	lb									*8,930	8,380	(21.7)
6.0 m	kg					*4,470	4,360			*4,120	2,800	7.75
(20 ft)	lb					*9,850	9,610			*9,080	6,170	(25.4)
4.5 m	kg					*4,890	4,210			*4,250	2,340	8.41
(15 ft)	lb					*10,780	9,280			*9,370	5,160	(27.6)
3.0 m	kg			*9,100	*9,100	*5,650	3,970	*4,880	2,740	4,350	2,130	8.71
(10 ft)	lb			*20,060	*20,060	*12,460	8,750	*10,760	6,040	9,590	4,700	(28.6)
1.5 m	kg					*6,440	3,730	*5,240	2,640	4,300	2,080	8.71
(5 ft)	lb					*14,200	8,220	*11,550	5,820	9,480	4,590	(28.6)
Ground	kg			*7,120	*7,120	*6,980	3,580	5,340	2,560	4,540	2,190	8.40
Line	lb			*15,700	*15,700	*15,390	7,890	11,770	5,640	10,010	4,830	(27.6)
-1.5 m	kg	*7,040	*7,040	*11,150	9,670							
(-5ft)	lb	*15,520	*15,520	*24,580	21,320							
-3.0 m	kg	*11,230	*11,230	*9,630	*9,630	*7,080	3,540			*4,980	2,530	7.73
(-10ft)	lb	*24,760	*24,760	*21,230	*21,230	*15,610	7,800			*10,980	5,580	(25.4)
-4.5 m	kg			*6,270	*6,270	*6,440	3,620			*4,950	3,360	6.58
(-15ft)	lb			*13,820	*13,820	*14,200	7,980			*10,910	7,410	(21.6)

Boom : 5.10 m (16′ 9″) / Arm : 2.60 m (8′ 6″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,380	*3,380	6.11
(25 ft)	lb											*7,450	*7,450	(20.0)
6.0 m	kg							*3,020	*3,020			*3,360	2,660	7.37
(20 ft)	lb							*6,660	*6,660			*7,410	5,860	(24.2)
4.5 m	kg							*3,770	3,720			*3,410	2,190	8.11
(15 ft)	lb							*8,310	8,200			*7,520	4,830	(26.6)
3.0 m	kg			*7,910	*7,910	*5,310	*5,310	*4,300	3,560	*2,810	2,420	3,130	1,970	8.48
(10 ft)	lb			*17,440	*17,440	*11,710	*11,710	*9,480	7,850	*6,190	5,340	6,900	4,340	(27.8)
1.5 m	kg			*8,120	*8,120	*6,650	5,270	*4,920	3,380	*3,650	2,350	3,050	1,900	8.53
(5 ft)	lb			*17,900	*17,900	*14,660	11,620	*10,850	7,450	*8,050	5,180	6,720	4,190	(28.0)
Ground	kg			*7,910	*7,910	*7,500	5,010	5,220	3,240	*3,470	2,280	3,170	1,970	8.28
Line	lb			*17,440	*17,440	*16,530	11,050	11,510	7,140	*7,650	5,030	6,990	4,340	(27.2)
-1.5 m	kg	*6,710	*6,710	*10,690	9,550	*7,620	4,900	5,140	3,170			3,560	2,220	7.69
(-5 ft)	lb	*14,790	*14,790	*23,570	21,050	*16,800	10,800	11,330	6,990			7,850	4,890	(25.2)
-3.0 m	kg	*9,990	*9,990	*10,280	9,680	*6,960	4,930	*4,870	3,200			*3,750	2,830	6.64
(-10 ft)	lb	*22,020	*22,020	*22,660	21,340	*15,340	10,870	*10,740	7,050			*8,270	6,240	(21.8)
-4.5 m	kg			*7,470	*7,470	*4,960	*4,960							
(-15 ft)	lb			*16,470	*16,470	*10,930	*10,930							

Boom : 5.10 m (16′ 9″) / Arm : 3.10 m (11′ 1″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,000	*3,000	6.73
(25 ft)	lb											*6,610	*6,610	(22.1)
6.0 m	kg							*2,870	*2,870			*3,020	2,360	7.88
(20 ft)	lb							*6,330	*6,330			*6,660	5,200	(25.9)
4.5 m	kg							*3,350	*3,350	*2,130	*2,130	*3,100	1,970	8.57
(15 ft)	lb							*7,390	*7,390	*4,700	*4,700	*6,830	4,340	(28.1)
3.0 m	kg					*4,710	*4,710	*3,930	3,580	*3,090	2,420	2,870	1,780	8.91
(10 ft)	lb					*10,380	*10,380	*8,660	7,890	*6,810	5,340	6,330	3,920	(29.2)
1.5 m	kg			*10,220	*10,220	*6,160	5,330	*4,620	3,380	3,730	2,330	2,790	1,710	8.96
(5 ft)	lb			*22,530	*22,530	*13,580	11,750	*10,190	7,450	8,220	5,140	6,150	3,770	(29.4)
Ground	kg			*8,670	*8,670	*7,210	5,010	*5,180	3,220	3,640	2,250	2,880	1,760	8.73
Line	lb			*19,110	*19,110	*15,900	11,050	*11,420	7,100	8,020	4,960	6,350	3,880	(28.6)
-1.5 m	kg	*6,310	*6,310	*10,330	9,460	*7,580	4,850	5,090	3,120	*3,230	2,210	3,190	1,960	8.17
(-5 ft)	lb	*13,910	*13,910	*22,770	20,860	*16,710	10,690	11,220	6,880	*7,120	4,870	7,030	4,320	(26.8)
-3.0 m	kg	*8,950	*8,950	*10,900	9,520	*7,200	4,830	5,080	3,110			*3,630	2,430	7.21
(-10 ft)	lb	*19,730	*19,730	*24,030	20,990	*15,870	10,650	11,200	6,860			*8,000	5,360	(23.7)
-4.5 m	kg	*12,430	*12,430	*8,640	*8,640	*5,790	4,950					*3,370	*3,370	5.59
(-15 ft)	lb	*27,400	*27,400	*19,050	*19,050	*12,760	10,910					*7,430	*7,430	(18.3)

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

R180LC-9 2-PIECE BOOM

Rating over-front Rating over-side or 360 degree

Boom : 5.10 m (16′ 9″) / Arm : 2.20 m (7′ 3″) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
6.0 m	kg											*3,720	2,840	7.06
(20 ft)	lb											*8,200	6,260	(23.2)
4.5 m	kg							*4,150	3,700			3,660	2,310	7.83
(15 ft)	lb							*9,150	8,160			8,070	5,090	(25.7)
3.0 m	kg					*5,840	5,630	*4,600	3,550			3,330	2,080	8.21
(10 ft)	lb					*12,870	12,410	*10,140	7,830			7,340	4,590	(26.9)
1.5 m	kg					*6,990	5,230	*5,120	3,380	*3,430	2,350	3,250	2,010	8.27
(5 ft)	lb					*15,410	11,530	*11,290	7,450	*7,560	5,180	7,170	4,430	(27.1)
Ground	kg			*6,220	*6,220	*7,560	4,990	5,270	3,250			3,400	2,100	8.01
Line	lb			*13,710	*13,710	*16,670	11,000	11,620	7,170			7,500	4,630	(26.3)
-1.5 m	kg	*6,220	*6,220	*10,360	9,630	*7,410	4,930	5,220	3,200			*3,680	2,410	7.39
(-5 ft)	lb	*13,710	*13,710	*22,840	21,230	*16,340	10,870	11,510	7,050			*8,110	5,310	(24.2)
-3.0 m	kg			*9,130	*9,130	*6,390	5,010					*3,280	3,180	6.28
(10 ft)	lb			*20,130	*20,130	*14,090	11,050					*7,230	7,010	(20.6)

Boom : 5.10 m (16′ 9″) / Arm : 2.20 m (7′ 3″) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
6.0 m	kg											*3,420	2,580	7.48
(20 ft)	lb											*7,540	5,690	(24.5)
4.5 m	kg											3,380	2,120	8.20
(15 ft)	lb											7,450	4,670	(26.9)
3.0 m	kg							*4,320	3,560	*3220	2,410	3,090	1,910	8.57
(10 ft)	lb							*9,520	7,850	*7100	5,310	6,810	4,210	(28.1)
1.5 m	kg			*7,010	*7,010	*6,640	5,260	*4,900	3,370	3,760	2,330	3,010	1,850	8.62
(5 ft)	lb			*15,450	*15,450	*14,640	11,600	*10,800	7,430	8,290	5,140	6,640	4,080	(28.3)
Ground	kg			*7,070	*7,070	*7,400	4,970	5,240	3,220	3,690	2,260	3,130	1,920	8.37
Line	lb			*15,590	*15,590	*16,310	10,960	11,550	7,100	8,140	4,980	6,900	4,230	(27.5)
-1.5 m	kg	*6,050	*6,050	*9,980	9,500	*7,450	4,870	5,160	3,150			3,520	2,170	7.78
(-5ft)	lb	*13,340	*13,340	*22,000	20,940	*16,420	10,740	11,380	6,940			7,760	4,780	(25.5)
-3.0 m	kg	*9,510	*9,510	*9,830	9,650	*6,710	4,900	*4,670	3,180			*3,320	2,770	6.76
(-10ft)	lb	*20,970	*20,970	*21,670	21,270	*14,790	10,800	*10,300	7,010			*7,320	6,110	(22.2)
-4.5 m	kg			*6,820	*6,820	*4,540	*4,540							
(-15ft)	lb			*15,040	*15,040	*10,010	*10,010							

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

R180LCD-9

Rating over-front Rating over-side or 360 degree

Boom : 5.10 m (16′ 9″) / Arm : 2.20 m (7′ 3″) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5ft)		3.0 m (10ft)		4.5 m (15ft)		6.0 m (20ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*3,750	*3,750	5.60
(25 ft)	lb									*8,270	*8,270	(18.4)
6.0 m	kg									*3,660	3,070	6.98
(20 ft)	lb									*8,070	6,770	(22.9)
4.5 m	kg					*4,570	*4,570	*4,110	3,880	*3,690	2,510	7.76
(15 ft)	lb					*10,080	*10,080	*9,060	8,550	*8,140	5,530	(25.5)
3.0 m	kg			*9,100	*9,100	*5,790	*5,790	*4,600	3,740	*3,760	2,260	8.15
(10 ft)	lb			*20,060	*20,060	*12,760	*12,760	*10,140	8,250	*8,290	4,980	(26.7)
1.5 m	kg					*7,030	5,530	*5,160	3,580	3,740	2,190	8.20
(5 ft)	lb					*15,500	12,190	*11,380	7,890	8,250	4,830	(26.9)
Ground	kg			*7,120	*7120	*7,680	5,310	*5,520	3,460	3,910	2,280	7.94
Line	lb			*15,700	*15700	*16,930	11,710	*12,170	7,630	8,620	5,030	(26.0)
-1.5 m	kg	*7,040	*7,040	*11,150	10,180	*7,590	5,240	*5,450	3,420	*3,960	2,600	7.31
(-5ft)	lb	*15,520	*15,520	*24,580	22,440	*16,730	11,550	*12,020	7,540	*8,730	5,730	(24.0)
-3.0 m	kg	*11,230	*11,230	*9,630	*9,630	*6,670	5,300			*3,750	3,420	6.19
(-10ft)	lb	*24,760	*24,760	*21,230	*21,230	*14,700	11,680			*8,270	7,540	(20.3)
-4.5 m	kg			*6,270	*6,270							
(-15ft)	lb			*13,820	*13,820							

Boom : 5.10 m (16′ 9″) / Arm : 2.60 m (8′ 6″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,380	*3,380	6.11
(25 ft)	lb											*7,450	*7,450	(20.0)
6.0 m	kg							*3,020	*3,020			*3,360	2,800	7.37
(20 ft)	lb							*6,660	*6,660			*7,410	6,170	(24.2)
4.5 m	kg							*3,770	*3,770			*3,410	2,320	8.11
(15 ft)	lb							*8,310	*8,310			*7,520	5,110	(26.6)
3.0 m	kg			*7,910	*7,910	*5,310	*5,310	*4,300	3,750	*2,810	2,570	*3,500	2,090	8.48
(10 ft)	lb			*17,440	*17,440	*11,710	*11,710	*9,480	8,270	*6,190	5,670	*7,720	4,610	(27.8)
1.5 m	kg			*8,120	*8,120	*6,650	5,550	*4,920	3,570	*3,650	2,490	3,490	2,020	8.53
(5 ft)	lb			*17,900	*17,900	*14,660	12,240	*10,850	7,870	*8,050	5,490	7,690	4,450	(28.0)
Ground	kg			*7,910	*7,910	*7,500	5,280	*5,380	3,430	*3,470	2,430	3,630	2,100	8.28
Line	lb			*17,440	*17,440	*16,530	11,640	*11,860	7,560	*7,650	5,360	8,000	4,630	(27.2)
-1.5 m	kg	*6,710	*6,710	*10,690	11,060	*7,620	5,180	*5,460	3,360			*3,810	2,360	7.69
(-5 ft)	lb	*14,790	*14,790	*23,570	22,180	*16,800	11,420	*12,040	7,410			*8,400	5,200	(25.2)
-3.0 m	kg	*9,990	*9,990	*10,280	10,180	*6,960	5,200	*4,870	3,390			*3,750	3,000	6.64
(-10 ft)	lb	*22,020	*22,020	*22,660	22,440	*15,340	11,460	*10,740	7,470			*8,270	6,610	(21.8)
-4.5 m	kg			*7,470	*7,470	*4,960	*4,960							
(-15 ft)	lb			*16,470	*16,470	*10,930	*10,930							

Boom : 5.10 m (16′ 9″) / Arm : 3.10 m (11′ 1″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,000	*3,000	6.73
(25 ft)	lb											*6,610	*6,610	(22.1)
6.0 m	kg							*2,870	*2,870			*3,020	2,490	7.88
(20 ft)	lb							*6,330	*6,330			*6,660	5,490	(25.9)
4.5 m	kg							*3,350	*3,350	*2,130	*2,130	*3,100	2,090	8.57
(15 ft)	lb							*7,390	*7,390	*4,700	*4,700	*6,830	4,610	(28.1)
3.0 m	kg					*4,710	*4,710	*3,930	3,770	*3,090	2,570	*3,200	1,890	8.91
(10 ft)	lb					*10,380	*10,380	*8,660	8,310	*6,810	5,670	*7,050	4,170	(29.2)
1.5 m	kg			*10,220	*10,220	*6,160	5,600	*4,620	3,570	*3,850	2,470	3,200	1,830	8.96
(5 ft)	lb			*22,530	*22,530	*13,580	12,350	*10,190	7,870	*8,490	5,450	7,050	4,030	(29.4)
Ground	kg			*8,670	*8,670	*7,210	5,280	*5,180	3,410	*4,100	2,390	3,310	1,880	8.73
Line	lb			*19,110	*19,110	*15,900	11,640	*11,420	7,520	*9,040	5,270	7,300	4,140	(28.6)
-1.5 m	kg	*6,310	*6,310	*10,330	9,960	*7,580	5,120	*5,420	3,310	*3,230	2,350	*3,570	2,090	8.17
(-5 ft)	lb	*13,910	*13,910	*22,770	21,960	*16,710	11,290	*11,950	7,300	*7,120	5,180	*7,870	4,610	(26.8)
-3.0 m	kg	*8,950	*8,950	*10,900	10,020	*7,200	5,110	*5,110	3,300			*3,630	2,580	7.21
(-10 ft)	lb	*19,730	*19,730	*24,030	22,090	*15,870	11,270	*11,270	7,280			*8,000	5,690	(23.7)
-4.5 m	kg	*12,430	*12,430	*8,640	*8,640	*5,790	5,230					*3,370	*3,370	5.59
(-15 ft)	lb	*27,400	*27,400	*19,050	*19,050	*12,760	11,530					*7,430	*7,430	(18.3)

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

R180NLC-9

Rating over-front Rating over-side or 360 degree

Boom : 5.10 m (16′ 9″) / Arm : 2.20 m (7′ 3″) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(24″) triple grouser

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5ft)		3.0 m (10ft)		4.5 m (15ft)		6.0 m (20ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*3,750	*3,750	5.60
(25 ft)	lb									*8,270	*8,270	(18.4)
6.0 m	kg									*3,660	2,550	6.98
(20 ft)	lb									*8,070	5,620	(22.9)
4.5 m	kg					*4,570	*4,570	*4,110	3,230	3,680	2,060	7.76
(15 ft)	lb					*10,080	*10,080	*9,060	7,120	8,110	4,540	(25.5)
3.0 m	kg			*9,100	*9,100	*5,790	4,880	*4,600	3,100	3,340	1,830	8.15
(10 ft)	lb			*20,060	*20,060	*12,760	10,760	*10,140	6,830	7,360	4,030	(26.7)
1.5 m	kg					*7,030	4,530	*5,160	2,940	3,260	1,770	8.20
(5 ft)	lb					*15,500	9,990	*11,380	6,480	7,190	3,900	(26.9)
Ground	kg			*7,120	*7,120	*7,680	4,320	5,220	2,820	3,400	1,840	7.94
Line	lb			*15,700	*15,700	*16,930	9,520	11,510	6,220	7,500	4,060	(26.0)
-1.5 m	kg	*7,040	*7,040	*11,150	9,670	*7,590	4,250	5,160	2,780	3,870	2,110	7.31
(-5ft)	lb	*15,520	*15,520	*24,580	21,320	*16,730	9,370	11,380	6,130	8,530	4,650	(24.0)
-3.0 m	kg	*11,230	*11,230	*9,630	*9,630	*6,670	4,310			*3,750	2,800	6.19
(-10ft)	lb	*24,760	*24,760	*21,230	*21,230	*14,700	9,500			*8,270	6,170	(20.3)
-4.5 m	kg			*6,270	*6,270							
(-15ft)	lb			*13,820	*13,820							

Boom : 5.10 m (16′ 9″) / Arm : 2.60 m (8′ 6″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,380	3,290	6.11
(25 ft)	lb											*7,450	7,250	(20.0)
6.0 m	kg							*3,020	*3,020			*3,360	2,320	7.37
(20 ft)	lb							*6,660	*6,660			*7,410	5,110	(24.2)
4.5 m	kg							*3,770	3,250			*3,410	1,890	8.11
(15 ft)	lb							*8,310	7,170			*7,520	4,170	(26.6)
3.0 m	kg			*7,910	*7,910	*5,310	4,930	*4,300	3,100	*2,810	2,090	3,110	1,690	8.48
(10 ft)	lb			*17,440	*17,440	*11,710	10,870	*9,480	6,830	*6,190	4,610	6,860	3,730	(27.8)
1.5 m	kg			*8,120	*8,120	*6,650	4,550	*4,920	2,930	*3,650	2,020	3,030	1,620	8.53
(5 ft)	lb			*17,900	*17,900	*14,660	10,030	*10,850	6,460	*8,050	4,450	6,680	3,570	(28.0)
Ground	kg			*7,910	*7,910	*7,500	4,290	5,180	2,790	*3,470	1,960	3,150	1,680	8.28
Line	lb			*17,440	*17,440	*16,530	9,460	11,420	6,150	*7,650	4,320	6,940	3,700	(27.2)
-1.5 m	kg	*6,710	*6,710	*10,690	7,980	*7,620	4,190	5,110	2,720			3,540	1,900	7.69
(-5 ft)	lb	*14,790	*14,790	*23,570	17,590	*16,800	9,240	11,270	6,000			7,800	4,190	(25.2)
-3.0 m	kg	*9,990	*9,990	*10,280	8,100	*6,960	4,210	*4,870	2,750			*3,750	2,440	6.64
(-10 ft)	lb	*22,020	*22,020	*22,660	17,860	*15,340	9,280	*10,740	6,060			*8,270	5,380	(21.8)
-4.5 m	kg			*7,470	*7,470	*4,960	4,390							
(-15 ft)	lb			*16,470	*16,470	*10,930	9,680							

Boom : 5.10 m (16′ 9″) / Arm : 3.10 m (11′ 1″) / Bucket : 0.76 m³ (0.92 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)		Capacity		Reach
														m (ft)
7.5 m	kg											*3,000	2,790	6.73
(25 ft)	lb											*6,610	6,150	(22.1)
6.0 m	kg							*2,870	*2,870			*3,020	2,050	7.88
(20 ft)	lb							*6,330	*6,330			*6,660	4,520	(25.9)
4.5 m	kg							*3,350	3,280	*2,130	*2,130	*3,100	1,690	8.57
(15 ft)	lb							*7,390	7,230	*4,700	*4,700	*6,830	3,730	(28.1)
3.0 m	kg					*4,710	*4,710	*3,930	3,120	*3,090	2,090	2,850	1,520	8.91
(10 ft)	lb					*10,380	*10,380	*8,660	6,880	*6,810	4,610	6,280	3,350	(29.2)
1.5 m	kg			*10,220	8,620	*6,160	4,600	*4,620	2,930	3,700	2,000	2,770	1,450	8.96
(5 ft)	lb			*22530	19,000	*13,580	10,140	*10,190	6,460	8,160	4,410	6,110	3,200	(29.4)
Ground	kg			*8,670	8,030	*7,210	4,290	5,160	2,760	3,610	1,920	2,860	1,500	8.73
Line	lb			*19,110	17,700	*15,900	9,460	11,380	6,080	7,960	4,230	6,310	3,310	(28.6)
-1.5 m	kg	*6,310	*6,310	*10,330	7,890	*7,580	4,140	5,060	2,670	*3,230	1,880	3,170	1,670	8.17
(-5 ft)	lb	*13,910	*13,910	*22,770	17,390	*16,710	9,130	11,160	5,890	*7,120	4,140	6,990	3,680	(26.8)
-3.0 m	kg	*8,950	*8,950	*10,900	7,950	*7,200	4,120	5,040	2,660			*3,630	2,080	7.21
(-10 ft)	lb	*19,730	*19,730	*24,030	17,530	*15,870	9,080	11,110	5,860			*8,000	4,590	(23.7)
-4.5 m	kg	*12,430	*12,430	*8,640	8,170	*5,790	4,240					*3,370	3,230	5.59
(-15 ft)	lb	*27,400	*27,400	*19,050	18,010	*12,760	9,350					*7,430	7,120	(18.3)

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.

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