

Gross Power (SAE J1995) 126 HP (94 kW) / 2,100 rpm

Net Power (SAE J1349) 116 HP (87 kW) / 2,100 rpm

Bucket Capacity 0.39 ~ 1.05m³

Operating Weight 18,350 kg / 40,450 lb

Robex **180LC-95** With Tier 2 Engine installed



A HYUNDAI CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

2022. JAN.

MOVING YOU FURTHER



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!

Machine Walk-Around

Engine Technology

Easy & Simple Serviceability / 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.

Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7 series!

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





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.

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 - 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 cluster to make the machine more versatile and the operator more productive.





INID

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

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 and 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, finetouch 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.



HYUNDAI

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

80NLC-95



PERFORMANCE

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

HYUNDAI

Rohex



80NLC-95

Mitsubishi S6S-DT

The six cylinders turbo-charged and charged air cooled, engine is built for power, reliability and economy. This engine meets EPA tier II and EU stage II emission regulation.

Reliability You Can Depend On

Mitsubishi S6S-DT engine is ideal solution for the toughest work environment. The engine is built from a cast iron, skirted block with main bearing support between each cylinder. This combination provides maximum strength, rigidity, and crankshaft support. Special liquid cooling results in uniform temperature distribution.

The compact size of the engine makes it easier to service than other engines. The low engine height allows easy access for maintenance due to a side-mounted, gear-driven camshaft.

Structure 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.



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.



PROFITABILITY

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







IT'S CONVENIENT, EASY AND VALUABLE

Hi-MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi-MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi-MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi-MATE website or mobile application. Hi-MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi-MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.



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.



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.

Extended Life Components

9S Series excavators were designed with bushings designed for extended lube intervals (250 hrs) & polymer shims (wear resistant,

noise reducing), extended-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		
Maker / Model		Mitsubishi S6S-DT
Туре		Water cooled, 4 cycle Diesel, 6-cylinders in line, direct injection, turbocharged charger and air cooled
	SAE(J1995)	126 HP (94 kW) / 2,100 rpm
Gross Power	DIE(6271/1)	128 PS (94 kW) / 2,100 rpm
	SAE(J1349)	116 HP (87 kW) / 2,100 rpm
Net Power	DIE(6271/1)	118 PS (87 kW) / 2,100 rpm
Max. torque		42.5 kgf.m (307 lbf.ft) / 1.500 rpm
Bore X stroke		94 x 120mm (3.70" x 4.72")
Piston displace	ment	4.996cc (305 in ³)
Batteries		2 X 12V X 100 AH
Starting motor		24V- 5.0kW
Alternator		24V- 50Amp
		P
HYDRAULIC	SYSTEM	
MAIN PUMP		
Туре		Two variable displacement piston pumps
Rated flow		2 X 160L /min (42.3 US gpm / 35.2 UK gpm)
Sub-pump for	pilot circuit	Gear pump
Cross-sensing and	d fuel saving pun	np system.
HYDRAULIC M	NOTORS	
Travel		Two speed axial pistons motor with brake valve and parking brake
Swing		Axial piston motor with automatic brake
RELIEF VALVE	SETTING	
Implement Circ	uits	350 kgf/cm ² (4,980 psi)
Travel		350 kgf/cm ² (4,980 psi)
Power Boost (Boom, Arm, B	ucket)	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
III DIAOLIC C		Boom : 2-115 X 1 090 mm (4 5"X 42 9"
No. of Cylindor		Arm : 1-120 X 1 355 mm (4 7" X 53 3")
Bore X Stroke		Bucket : 1-110 X 995 mm (4 3" X 39 2"
		Blade : 2-110 X 320 mm (4 3" X 12 6")
DRIVES & B	RAKES	
Drive Method		Fully hydrostatic type
Drive Motor		Axial piston maotor, in-shoe design
Reduction Syst	em	Planetary reduction gear
Max. Drawbar	Pull	17,000 kgf (37,500 lbf)
Max. Travel Spe	ed (High / Low)	5.5 km/hr(3.4mph) / 3.2 km/hr(2.0mph)
Gradeability		30°(58 %)
Parking Brake		Multi wet disc
CONTROL		
Pilot pressure of provide almost	operated joystic effortless and	ks and pedals with detachable lever fatigueless operation.
Pilot Control		Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)

Two levers with pedals

Electric, Dial type

Traveling and Steering

Engine Throttle

SWING SYSTEM					
Swing Motor	Two fixed dis motor	Two fixed displacement axial pistons motor			
Swing Reduction	Planetary gea	ar reduction			
Swing Bearing Lubrication	Grease-bathe	ed			
Swing Brake	Multi wet dise	c			
Swing Speed	11 rpm				
COOLANT & LUBRICANT CAPACITY					
Refilling	liter	US gal	UK gal		
Fuel tank	270	71.3	59.4		
Engine coolant	17.5	4.6	3.8		
Engine oil	16.5	4.4	3.6		
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	42.6	35.2		

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	1

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)

OPERATING WEIGHT

Shoes			Operating weight	Ground pressure
Туре	Widt	h mm(in)	kg(lb)	kgf/cm²(psi)
		R180LC-9S	18,350(40,450)	0.51(7.25)
	500 (20")	R180LCD-95	19,350(42,660)	0.53(7.54)
		R180NLC-9S	18,260(40,260)	0.50(7.11)
		R180LC-9S	18,600(41,010)	0.43(6.11)
	600 (24")	R180LCD-95	19,600(43,210)	0.45(6.40)
Triple		R180NLC-95	18,510(40,810)	0.43(6.11)
grouser	700 (28")	R180LC-95	18,850(41,560)	0.37(5.26)
		R180LCD-9S	19,850(43,760)	0.39(5.55)
		R180NLC-95	18,760(41,360)	0.37(5.26)
		R180LC-95	19,100(42,110)	0.33(4.69)
	800 (32")	R180LCD-9S	20,100(44,310)	0.35(4.98)
		R180NLC-95	19,010(41,910)	0.33(4.69)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)

The system hold 0.75kg refrigerant consisting of a CO² equivalent 1.07kg metric tonne.

For more information, Please refer to the manual.

DIMENSIONS & WORKING RANGE

R180LC-9S DIMENSIONS



А	Tumbler distance	3,360 (11' 0")		De
В	Overall length of crawler	4,150 (13' 7")		BO
С	Ground clearance of counterweight	1,055 (3' 6")		•
D	Tail swing radius	2,530 (8' 4")		Ar
D'	Rear-end length	2,480 (8' 2")		0.
Е	Overall width of upperstructure	2,475 (8' 1")	'	01
F	Overall height of cab	2,980 (9' 9")		0.
G	Min. ground clearance	460 (1' 6")	J	01
Н	Track gauge	2,250 (7' 5")		
			К	Tra

Overall w L

R180LC-9S WORKING RANGE



F Min. swing



Unit∶mm (ft·in)

oom length	5,100(16' 9")				
rm length	2,200	2,600	3,100		
	(7' 3")	(8' 6")	(10' 2")		
verall length	8,660	8,650	8,650		
	(28'5'')	(28' 5")	(28'5'')		
verall height of boom	3,010	2,990	3,150		
	(9' 11")	(9' 10")	(10' 4")		
ack shoe width	500	600	700		
	(20")	(24")	(28")		
verall width	2,750	2,850	2,950		
	(9' 1")	(9' 5")	(9' 9")		

Unit∶mm (ft · in)

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

DIMENSIONS & WORKING RANGE

R180NLC-9S DIMENSIONS





А	Tumbler distance	3,360 (11' 0")
В	Overall length of crawler	4,150 (13' 7")
С	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,530 (8' 4")
D'	Rear-end length	2,480 (8' 2")
Е	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,990 (9' 10")
G	Min. ground clearance	460 (1' 6")
Н	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")
К	Track shoe width	500 (20″)	600 (24")	700 (28″)
L	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

R180NLC-9S WORKING RANGE



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

R180LCD-9S DIMENSIONS



A Tumbler distance	3,360 (11' 0")		Poom longth	5 100(16' 9")			
B Overall length of crawler	4,150 (13' 7")		boom length	5,100(10 9)			
C Ground clearance of counterweight	1,055 (3' 6")		Arm longth	2,200	2,6	00	3,100
D Tail swing radius	2,530 (8' 4")		Anniength	(7' 3")	(7' 3") (8' 6")		(10' 2")
D' Rear-end length	2,480 (8' 2")		Quarall langth	9,110 9,100		00	9,100
E Overall width of upperstructure	2,475 (8' 1")			(29'11'')	(29'	10")	(29'10'')
F Overall height of cab	2,980 (9' 9")			3,010	2,9	90	3,150
G Min. ground clearance	460 (1' 6")	7	Overall neight of boom	(9' 11")	(9' 10")		(10' 4")
H Track gauge	2,250 (7' 5")			500	600	700	800
M Ground clearance of blade up	615 (2' 0")	К	Track shoe width	(20")	(24")	(28")	(32")
N Depth of blade down	675 (2' 3")			2,750	2.850	2,950	3,050
O Height of blade	640 (2' 1")	L	Overall width	(9' 1")	(9' 5")	(9' 9")	(10' 1")

R180LCD-9S WORKING RANGE



Unit∶mm (ft · in)

Unit∶mm (ft∙in)

Unit∶mm (ft · in)

ith		5,100 (16' 9")	
h	2,200	2,600	3,100
	(7' 3″)	(8' 6")	(10' 2")
ng reach	8,690	9,020	9,450
	(28' 6")	(29' 7")	(31' 0")
ng reach	8,530	8,860	9,300
	(27' 12")	(29' 1")	(30' 6")
ng depth	5,660	6,060	6,560
	(18' 7")	(19' 11")	(21' 6")
ng depth	5,430	5,850	6,370
	(17' 10")	(19' 2")	(20' 11")
cal wall	5,120	5,380	5,710
epth	(16' 10")	(17' 8")	(18' 9")
ng height	8,750	8,840	8,980
	(28' 8")	(29' 0")	(29' 6")
bing	6,110	6,220	6,390
	(20' 1")	(20' 5")	(21' 0")
radius	3,180	3,170	3,170
	(10' 5")	(10' 5")	(10' 5")

LIFTING CAPACITY

R180LC-9S

1	
🖞 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

					Lift-poir	nt radius			-	At max, reach			
Lift-po	int	1.5 m	ı (5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m	(20 ft)	Capa	acity	Reach	
heigh (m/ft	nt :)	ŀ	-	ŀ	-50	ŀ	-50	ŀ	-£)	ŀ	-£)	m (ft)	
7.5 m	kg									*3,770	*3,750	5.60	
(25 ft)	lb									*8,270	*8,270	(18.4)	
6.0 m	kg									*3,660	2,920	6.98	
(20 ft)	lb									*8,070	6,440	(22.9)	
4.5 m	kg					*4,570	*4,570	*4,110	3,690	*3,690	2,370	7.76	
(15 ft)	lb					*10,080	*10,080	*9,060	8,140	*8,140	5,220	(25.5)	
3.0 m	kg			*9,100	*9,100	*5,790	5,620	*4,600	3,550	3,360	2,130	8.15	
(10 ft)	lb			*20,060	*20,060	*12,760	12,390	*10,140	7,830	7,410	4,700	(26.7)	
1.5 m	kg					*7,030	5,250	*5,160	3,390	3,280	2,060	8.20	
(5 ft)	lb					*15,500	11,570	*11,380	7,470	7,230	4,540	(26.9)	
Ground	kg			*7,120	*7,120	*7,680	5,030	5,250	3,270	3,420	2,150	7.94	
Line	lb			*15,700	*15,700	*16,930	11,090	11,570	7,210	7,540	4,740	(26.0)	
-1.5 m	kg	*7,040	*7,040	*11,150	9,670	*7,590	4,970	5,200	3,230	3,900	2,450	7.31	
(-5ft)	lb	*15,520	*15,520	*24,580	21,320	*16,730	10,960	11,460	7,120	8,600	5,400	(24.0)	
-3.0 m	kg	*11,230	*11,230	*9,630	*9,630	*6,670	5,030			*3,750	3,240	6.19	
(-10ft)	lb	*24,760	*24,760	*21,230	*21,230	*14,700	11,090			*8,270	7,140	(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

		Lift-point radius											At max. reach				
Lift-poi	int •	1.5 m	ı (5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m	(20 ft)	7.5 m	(25 ft)	Capa	acity	Reach			
(m/ft)		ŀ	-	ŀ	-	þ	-	ŀ	-450	ŀ	-50	ŀ	-50	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										

| 1 | Lifting capacity are based on ISO 10567.
| 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
| 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
| 4 | (*) indicates load limited by hydraulic capacity.

R180LC	180LC-9S													
Boom : !	5.10 ו	m (16' 9")	/ Arm : 3.1	10 m (11' 1	") / Bucke	t : 0.76 m³	(0.92 yd³)	SAE heap	ed / Shoe	: 600mm(2	4") triple	grouser		
						Lift-poir	nt radius					At max. reach		
Lift-po	int	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)	Сара	acity	Reach
(m/ft)	ŀ	- £D	ŀ	-50	e -50		ŀ	-50	Þ	-450	b −€⊃		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 are based on ISO 10567.
| 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
| 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).

|4| (*) indicates load limited by hydraulic capacity.

b	Rating ove	r-front
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LIFTING CAPACITY

R180NLC-9S

Rating over-front	- Rating over-side or 360 degree
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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

Idit-point radius Idit max. reack Lift-point radius Gamma Colspan="4">At max. reack Lift-point radius Gamma Colspan="4">At max. reack Lift-point radius Gamma Colspan="4">Gamma Colspan="4">Gamma Colspan="4">Gamma Colspan="4" Lift-point radius Gamma Colspan="4">Gamma Colspan="4" Lift-point radius Gamma Colspan="4" Gamma Colspan="4" Gamma Colspan="4" Lift-point radius Gamma Colspan="4" Gamma Colspan="4" Gamma Colspan="4" Mark for the state of t														
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						Lift-poir	nt radius					At max. reach	1	
meight (m/ft) in	Lift-po	int	1.5 m	ı (5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m	(20 ft)	Capa	acity	Reach	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	(m/ft)				e e e		Þ	-	ŀ	-50	ŀ	-£)	m (ft)	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	7.5 m	kg									*3,750	*3,750	5.60	
6.0 m kg	(25 ft)	lb									*8,270	*8,270	(18.4)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6.0 m	kg									*3,660	2,550	6.98	
4.5 m kg m kg m kg m kg kg <th< td=""><td>(20 ft)</td><td>lb</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>*8,070</td><td>5,620</td><td>(22.9)</td></th<>	(20 ft)	lb									*8,070	5,620	(22.9)	
(15 ft) lb (16 ft) lb (16 ft) lb (10 ft) (11 ft) (10 ft) (10 ft) (11 ft)	4.5 m	kg					*4,570	*4,570	*4,110	3,230	3,680	2,060	7.76	
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 *7,120 *7,120 *7,680 4,320 5,220 2,820 3,400 1,840 7.94 Line lb *15,700 *16,930 9,520 11,510 6,220 7,500 4,060 (26.9) -1.5 m kg *7,040 *7,120 *7,120 *7,590 4,250 5,160 2,780 3,870 2,110 7.31 (-5ft) lb *15,520 *24,580 17,860 *16,730 9,370 11,380 6,130 8,530 4,650 (24.0) -3.0 m kg *11,230 *16,730	(15 ft)	lb					*10,080	*10,080	*9,060	7,120	8,110	4,540	(25.5)	
(10 ft) lb	3.0 m	kg			*9,100	*9,100	*5,790	4,880	*4,600	3,100	3,340	1,830	8.15	
1.5 m kg kg<	(10 ft)	lb			*20,060	*20,060	*12,760	10,760	*10,140	6,830	7,360	4,030	(26.7)	
(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 8,100 *7,590 4,250 5,160 2,780 3,870 2,110 7.31 (-5ft) lb *15,520 *24,580 17,860 *16,730 9,370 11,380 6,130 8,530 4,650 (24.0) -3.0 m kg *11,230 *9,630 8,250 *6,670 4,310 *3,750 2,800 6.19 (-10ft) lb *24,760 *21,330 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m <td>1.5 m</td> <td>kg</td> <td></td> <td></td> <td></td> <td></td> <td>*7,030</td> <td>4,530</td> <td>*5,160</td> <td>2,940</td> <td>3,260</td> <td>1,770</td> <td>8.20</td>	1.5 m	kg					*7,030	4,530	*5,160	2,940	3,260	1,770	8.20	
Ground kg Line kg *7,040 *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 *11,150 8,100 *7,590 4,250 5,160 2,780 3,870 2,110 7.31 (-5ft) lb *15,520 *15,520 *24,580 17,860 *16,730 9,370 11,380 6,130 8,530 4,650 (24.0) -3.0 m kg *11,230 *9,630 8,250 *6,670 4,310 *3,750 2,800 6,19 (-10ft) lb *24,760 *21,230 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m kg *6,270 *6,270 *6,270 <td>(5 ft)</td> <td>lb</td> <td></td> <td></td> <td></td> <td></td> <td>*15,500</td> <td>9,990</td> <td>*11,380</td> <td>6,480</td> <td>7,190</td> <td>3,900</td> <td>(26.9)</td>	(5 ft)	lb					*15,500	9,990	*11,380	6,480	7,190	3,900	(26.9)	
Line lb	Ground	kg			*7,120	*7,120	*7,680	4,320	5,220	2,820	3,400	1,840	7.94	
-1.5 m kg *7,040 *7,040 *11,150 8,100 *7,590 4,250 5,160 2,780 3,870 2,110 7.31 (-5ft) lb *15,520 *15,520 *24,580 17,860 *16,730 9,370 11,380 6,130 8,530 4,650 (24.0) -3.0 m kg *11,230 *11,230 *9,630 8,250 *6,670 4,310 *3,750 2,800 6.19 (-10ft) lb *24,760 *21,230 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m kg *6,270 *6,270 *6,270 *13,820 *1	Line	lb			*15,700	*15,700	*16,930	9,520	11,510	6,220	7,500	4,060	(26.0)	
(-5ft) lb *15,520 *15,520 *24,580 17,860 *16,730 9,370 11,380 6,130 8,530 4,650 (24.0) -3.0 m kg *11,230 *11,230 *9,630 8,250 *6,670 4,310 *3,750 2,800 6.19 (-10ft) lb *24,760 *24,760 *21,230 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m kg *6,270 *6,270 *6,270 *6,270 *13,820 <t< td=""><td>-1.5 m</td><td>kg</td><td>*7,040</td><td>*7,040</td><td>*11,150</td><td>8,100</td><td>*7,590</td><td>4,250</td><td>5,160</td><td>2,780</td><td>3,870</td><td>2,110</td><td>7.31</td></t<>	-1.5 m	kg	*7,040	*7,040	*11,150	8,100	*7,590	4,250	5,160	2,780	3,870	2,110	7.31	
-3.0 m kg *11,230 *11,230 *9,630 8,250 *6,670 4,310 *3,750 2,800 6.19 (-10ft) lb *24,760 *24,760 *21,230 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m kg *6,270 *6,270	(-5ft)	lb	*15,520	*15,520	*24,580	17,860	*16,730	9,370	11,380	6,130	8,530	4,650	(24.0)	
(-10ft) lb *24,760 *21,230 18,190 *14,700 9,500 *8,270 6,170 (20.3) -4.5 m kg *6,270	-3.0 m	kg	*11,230	*11,230	*9,630	8,250	*6,670	4,310			*3,750	2,800	6.19	
-4.5 m kg *6,270 *6,270 (-15ft) lb *13,820 *13,820	(-10ft)	lb	*24,760	*24,760	*21,230	18,190	*14,700	9,500			*8,270	6,170	(20.3)	
(-15ft) lb *13,820 *13,820	-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

		Lift-point radius									At max. reach			
Lift-poi	int	1.5 m	ı (5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m	(20 ft)	7.5 m	(25 ft)	Capa	acity	Reach
(m/ft)		ŀ	-50	ŀ	-	þ	-	ŀ	-50	ŀ	-	ŀ	-60	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
(-5ft)	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
(-10ft)	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							
(-15ft)	lb			*16,470	*16,470	*10,930	9,680							

| 1 | Lifting capacity are based on ISO 10567.
| 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
| 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
| 4 | (*) indicates load limited by hydraulic capacity.

R180NLC-9S														
Boom : !	5.10 ı	m (16' 9")	/ Arm : 3.1	0 m (11' 1	") / Bucke	t : 0.76 m³	(0.92 yd³)	SAE heap	ed / Shoe :	: 600mm(2	4") triple	grouser		
						Lift-poir	nt radius						At max. rea	ch
Lift-point height (m/ft)		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)	Сара	acity	Reach
		b -€⊃		b −€⊃		ŀ	-60	ŀ	-60	Þ	-50	Þ	-60	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			*22,530	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 are based on ISO 10567.
2 Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3 The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).

|4| (*) indicates load limited by hydraulic capacity.

🖞 Rating over-front 🛛 🚽 🔂 Rating over-side or 360 degree

LIFTING CAPACITY

R180LCD-9S

🖞 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

Lift-point radius At max. reach Lift-point radius At max. reach Lift-point radius 6.0 m (20ft) Capacity Capacity	Reach m (ft)
Lift-point 1.5 m (5ft) 3.0 m (10ft) 4.5 m (15ft) 6.0 m (20ft) Capacity	Reach m (ft)
negn	m (ft)
_ ^(m/tt) 방 국진 방 국진 방 국진 방 국진	
7.5 m kg *3,750 *3,750	5.60
(25 ft) Ib *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 *7,120 *7,680 5,310 *5,520 3,460 3,910 2,280	7.94
Line lb *15,700 *15,700 *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

		Lift-point radius										At max. reach			
Lift-poi	int •	1.5 m	ı (5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m	(20 ft)	7.5 m	(25 ft)	Capa	acity	Reach	
(m/ft)		ŀ	-	ŀ	-	þ	-	ŀ	-50	ŀ	-50	ŀ	-50	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								

| 1 | Lifting capacity are based on ISO 10567.
| 2 | Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
| 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
| 4 | (*) indicates load limited by hydraulic capacity.

R180LCD-9S														
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														
		Lift-point radius At max. reach												ch
Lift-point height (m/ft)		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
		ŀ	- £D	ŀ	- £D	ŀ	-60	ŀ	-60	ŀ	-50	ŀ	-450	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	*11420	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 are based on ISO 10567.

|2| Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity. 3 | The Lift-point is bucket pivot mounting pin on the arm(without bucket mass). 4 | (*) indicates load limited by hydraulic capacity.

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS SAE heaped 0.39(0.51) 0.50(0.65) 0.64(0.84) 0.76(0.99) 0.89(1.16) 1.05(1.37) Image: 0.69(0.90)

					Recommendation mm (ft.in)			
Capacity m³ (yd³)		Width mm (in)		Weight ka (lb)	5,100 (16' 9") Mono Boom			
SAE heaped	CECE heaped	Without With side cutters		(g (15)	2,200 (7' 3") Arm	2,600 (8' 6") Arm	3,100 (10' 2") 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)	•		A	
0.89(1.16)	0.77(1.01)	1,220(48.0)	1,340(52.8)	610(1,340)		A	-	
1.05(1.37)	0.90(1.18)	1,400(55.1)	1,520(59.8)	680(1,500)	A	-	-	
■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 kgf/m³ (3,370 lbf/yd³) or less
 Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less

▲ : Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.65 m, 5.68 m & 8.2 m Booms and 2.0 m, 2.4 m, 2.92 m, 3.9 m & 6.3 m Arms are available.

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

Note : Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

STAND	ARD EQUIPMENT
ISO Stan	dard cabin
All-weat	her steel cab with 360° visibility
Safety gl	ass windows
Rise-up t	vpe windshield wiper
Sliding fo	bld-in front window
Sliding si	de window(LH)
Lockable	door
Hot & co	ol box
Storage of	compartment & Ashtrav
Radio &	USB plaver
Cabin roo	of-steel cover
12 volt p	ower outlet (24V DC to 12V DC converter)
Compute	r aided power optimization (New CAPO) system
3-power	mode, 2-work mode, user mode
Auto dec	eleration & one-touch deceleration system
Auto wa	rm-up system
Auto ove	rheat prevention system
Automat	ic climate control
Air condi	tioner & heater
Defroster	r
Self-diag	nostics system
Starting	Aid (air grid heater) for cold weather
Centraliz	ed monitoring
LCD displ	lay
Engine sp	peed or Trip meter / Accel
Clock	· · · · · · · · · · · · · · · · · · ·
Gauges	
Fuel leve	l gauge
Engine co	polant temperature gauge
Hyd. oil t	emperature gauge
Warning	S
Overload	l
Commun	ication error
Low batt	ery
Air clean	er clogging
Indicator	S
Max pow	/er
Low spee	ed/High speed
Fuel war	mer
Auto idle	
Door and	I cab locks, one key
Two outs	ide rearview mirrors
Fully adju	ustable suspension seat with seat belt
Pilot-ope	erated slidable joystick
Four from	nt working lights (2 boom mounted, 2 front frame mounted)
Electric h	Iorn
Batteries	(2 x 12V x 100 AH)
Battery n	naster switch
Removab	le clean-out dust net for cooler
Automat	ic swing brake
Removab	ole reservoir tank
Fuel pre-	filter
Boom ho	lding system
Arm hold	ling system
Track sho	oes (600mm, 24")
Track rai	l guard
Accumula	ator for lowering work equipment
Electric t	ransducer
Lower fra	ame 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
5.1 m, 16' 9"
Arms
2.2 m, 7′ 3″
2.6 m, 8' 6"
3.1 m, 10' 2"
Cabin FOPS/FOG (ISO/DIS 10262 Level II)
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin lights
Cabin front window rain guard
Sun visor
Track shoes
Triple grousers shoe (500mm, 20")
Triple grousers shoe (700mm, 28")
Triple grousers shoe (800 mm, 32")
Lower frame under cover (Additional)
Tool kit
Operator suit
Rearview camera
Seat
Mechanical suspension seat with heater
Hi-mate (Remote Management System)
Fuel warmer
Air compressor
Cabin-winenet guard / Finenet guard
Blade
640mm (2′ 1″) x 2,750mm (9′ 1″)
640mm (2′ 1″) x 2,850mm (9′ 5″)
640mm (2' 1") x 3,050mm (10' 1")

 * 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

* Materials and specifications are subject to change without advance notice.

Materials and specifications are subject to change without advance notice
 All imperial measurements rounded off to the nearest pound or inch.