PLEASE CONTACT

HYUNDAI CONSTRUCTION EQUIPMENT

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We build a better future

Robex

520LC-9S

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 520LC-9S

Machine Walk-Around

Engine Technology

Proven / reliable, fuel efficient Cummins Tier 2 QSM11-C engine
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion
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 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
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
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.
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 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 9S 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

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, 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 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 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 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.

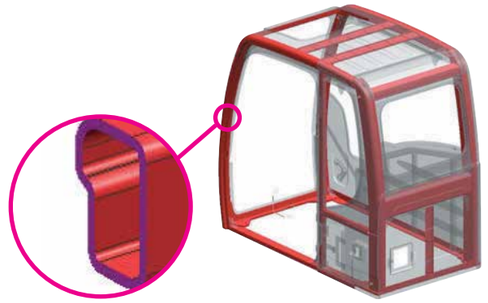
Performance

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.



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.

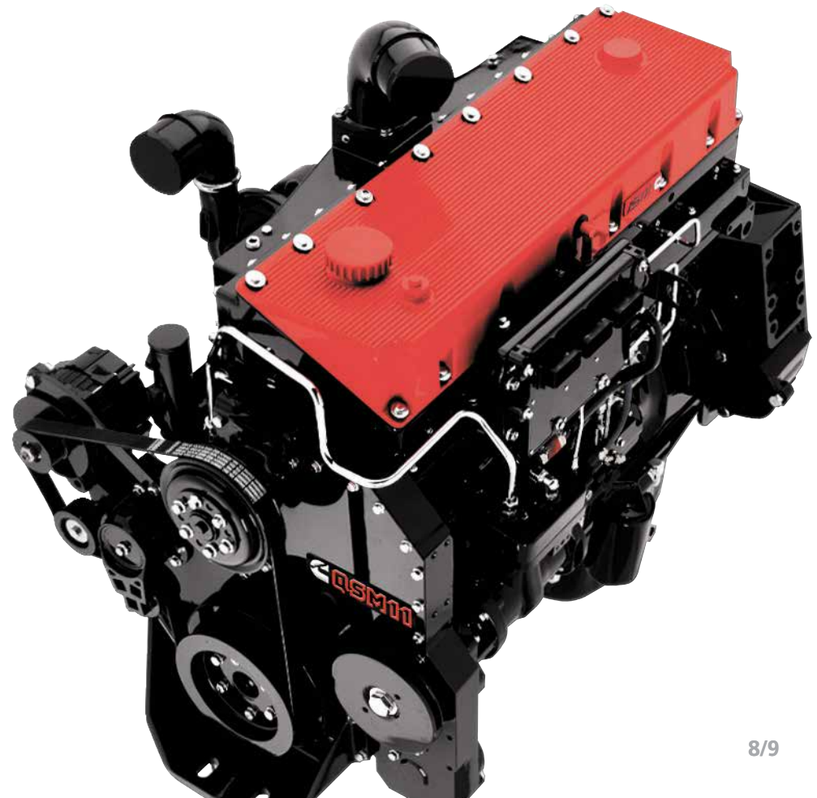
CUMMINS QSM11-C Engine

The six cylinders, turbo-charged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions.
This engine meets Tier ll emissions regulations.

Setting the standard in lean, efficient power.

The QSM uses advanced electronic controls to meet the toughest emissions standards without compromising anything.
Exceptional fuel efficiency, durability, dependability and the highest power-to-weight ratio in its class are still trademark QSM qualities.
Plus, the QSM now runs quieter and cleaner.

The QSM engine comes with powerful Electronic Control Module (ECM). Using input from sensors located throughout the engine, it governs the timing and metering of fuel to the engine. Fuel is injected into the power cylinder using Cummins dual-pulse technology. This injection method helps reduce noise levels as it increases responsiveness and improves fuel efficiency.



Profitability

9S 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

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.

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			CUMMINS QSM11-C
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horsepower	SAE	J1995 (gross)	353HP / 1,900rpm
		J1349 (net)	342HP / 1,900rpm
	DIN	6271/1 (gross)	358PS / 1,900rpm
		6271/1 (net)	347PS / 1,900rpm
Max. torque			182.5kgf·m / 1,300rpm
Bore X stroke			125mm X 147mm
Piston displacement			10,800cc
Batteries			2 X 12V X 200AH
Starting motor			24 V, 7.2 kW
Alternator			24 V, 90 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 380 L /min
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
Travel	330 kgf/cm^2
Power boost (boom, arm, bucket)	360 kgf/cm^2
Swing circuit	285 kgf/cm^2
Pilot circuit	40 kgf/cm^2
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom : 2-170 X1,570 mm
	Arm : 1-190 X 1,820 mm
	Bucket : 1-170 X 1,370 mm

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf
Max. travel speed (high / low)	5.0 km/hr / 3.2 km/hr
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	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm

COOLANT & LUBRICANT CAPACITY

Re-filling	liter
Fuel tank	621
Engine coolant	50.0
Engine oil	37.9
Swing device - gear oil	5.0 (7)
Final drive (each) - gear oil	10.0 (12)
Hydraulic system (including tank)	480
Hydraulic tank	262

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	53EA
No. of carrier rollers on each side	3EA
No. of track rollers on each side	9EA
No. of rail guards on each side	2EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,060mm H/D boom, 3,380mm H/D arm, SAE heaped 2.15m^3 bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

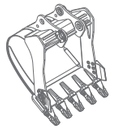
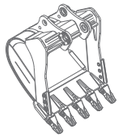
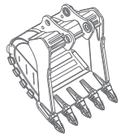
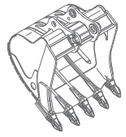
MAJOR COMPONENT WEIGHT	
Upperstructure	11,380 kg
Counterweight	10,700 kg
Boom (with arm cylinder)	4,140 kg

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm	kg	kgf/cm^2
Triple grouser	600 mm	52,400	0.91
	700 mm	52,940	0.78
	750 mm	53,210	0.74
	800 mm	53,480	0.69
Double grouser	600 mm	52,400	0.91
	700 mm	52,940	0.78
Heavy duty	600 mm	52,580	0.91
	700 mm	53,120	0.79

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 0.85kg refrigerant consisting of a CO_2 equivalent 1.22kg metric tonne. For more information, Please refer to the manual.

BUCKETS All buckets are welded with high-strength steel.

SAE heaped m³	General purpose	Heavy duty	Rock	Rock (Spade nose)
	1.00	2.20	2.20	2.70
	1.38	2.43	2.43	3.00
	2.15	2.79	2.79	
	2.79	3.00	3.00	
	3.00	3.20	3.20	

Capacity m³		Width mm		Weight kg	Tooth EA	Recommendation mm						
SAE heaped	CECE heaped	Without Sidecutters	With Sidecutters			6,550 Boom	7,060 Boom				9,000 Boom	10,000 Boom
						2,400 Arm	2,400 Arm	2,900 Arm	3,380 Arm	4,000 Arm	5,850 Arm	6,850 Arm
Ⓖ 1.00	0.90	915	1,065	1,220	3	-	-	-	-	-	◐	■
Ⓖ 1.38	1.24	1,215	1,215	1,690	4	-	-	-	-	-	■	-
Ⓖ 2.15	1.88	1,655	1,655	2,050	5	●	●	●	●	◐	-	-
Ⓖ 2.79	2.47	1,861	1,861	2,320	5	●	◐	■	■	▣	-	-
Ⓖ 3.00	2.70	1,985	1,985	2,460	6	◐	■	■	▣	▣	-	-
Ⓗ 2.20	1.93	1,685	1,685	2,320	5	●	●	●	◐	■	-	-
Ⓗ 2.43	2.11	1,829	1,829	2,450	5	●	●	◐	■	■	-	-
Ⓗ 2.79	2.47	1,861	1,861	2,630	5	◐	■	■	▣	▣	-	-
Ⓗ 3.00	2.67	1,985	1,985	2,790	6	◐	■	▣	▣	▲	-	-
Ⓗ 3.20	2.82	2,075	2,075	2,870	6	■	▣	▣	▣	▲	-	-
Ⓡ 2.20	1.93	1,685	-	2,610	5	●	●	◐	◐	-	-	-
Ⓡ 2.43	2.11	1,829	-	2,730	5	●	◐	◐	■	-	-	-
Ⓡ 2.79	2.47	1,861	-	2,950	5	◐	■	■	▣	-	-	-
Ⓡ 3.00	2.67	1,985	-	3,140	6	■	▣	▣	▣	-	-	-
Ⓡ 3.20	2.82	2,075	-	3,230	6	■	▣	▣	▲	-	-	-
Ⓡ 2.70	2.39	1,800	-	2,770	5	◐	■	■	▣	-	-	-
Ⓡ 3.00	2.76	1,995	-	3,040	6	■	■	▣	▣	-	-	-

Ⓖ : General purpose
Ⓗ : Heavy duty
Ⓡ : Rock

●: Applicable for materials with density of 2,100 kg /m³ or less
■: Applicable for materials with density of 1,500 kg /m³ or less
▲: Applicable for materials with density of 900 kg /m³ or less

◐: Applicable for materials with density of 1,800 kg /m³ or less
▣: Applicable for materials with density of 1,200 kg /m³ or less
- : Not Recommended

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6,550mm, 7,060mm, 9,000mm booms and 2,400mm, 2,900mm, 3,380mm, 4,000mm, 5,850mm arms are available.

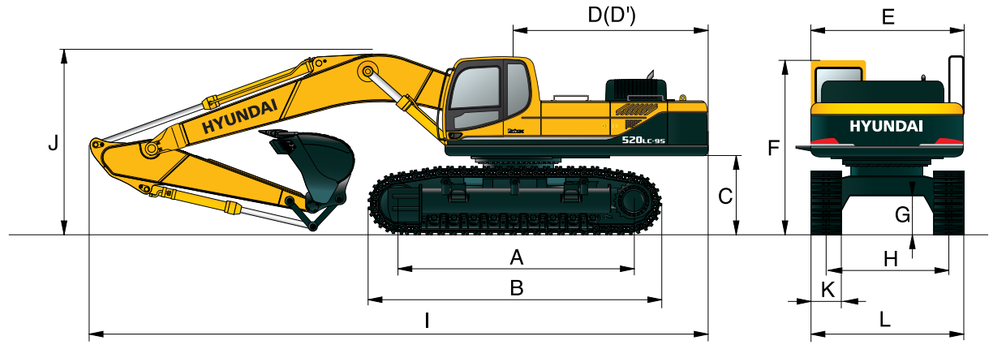
DIGGING FORCE

Boom	Length	mm	6,550	7,060			9,000	Remarks
	Weight	kg	4,300	4,530			5,120	
Arm	Length	mm	2,400	2,900	3,380	4,000	5,850	
	Weight	kg	2,320	2,690	2,380	2,750	2,970	
Bucket digging force	SAE	kN	247.1 [269.6]	251.1 [273.9]	253.0 [276.1]	253.0 [276.1]	253.0 [ ]	[ ]: Power Boost
	ISO	kN	286.4 [312.3]	290.3 [316.7]	292.2 [318.8]	292.2 [318.8]	292.2 [ ]	
Arm crowd force	SAE	kN	278.5 [303.8]	225.6 [246.1]	192.2 [209.7]	171.6 [187.2]	126.5 [ ]	
	ISO	kN	291.3 [317.7]	235.4 [256.7]	200.1 [218.2]	177.5 [193.7]	130.4 [ ]	

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

Dimensions & Working Range

R520LC-9S DIMENSIONS



mm

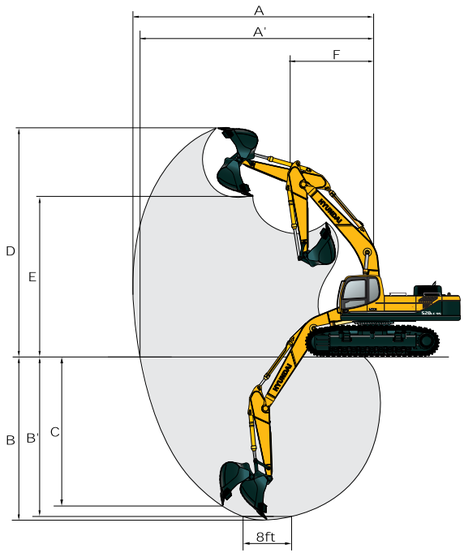
A	Tumbler distance	4,470
B	Overall length of crawler	5,460
C	Ground clearance of counterweight	1,500
D	Tail swing radius	3,750
D'	Rear-end length	3,695
E	Overall width of upperstructure	2,980
F	Overall height of cab	3,400
G	Min. ground clearance	770
H	Track gauge (Extended/Retracted)	2,940 / 2,380

mm

	Boom length	7,060				6,550	9,000	10,000
	Arm length	2,400	2,900	3,380	4,000	2,400	5,850	6,850
I	Overall length	12,280	12,180	12,060	12,050	11,780	13,800	14,620
J	Overall height of boom	3,970	3,880	3,850	4,100	4,100	5,190	5,860

K	Track shoe width	600	700	750	800
L	Overall width Extended	3,540	3,640	3,690	3,740
	Overall width Retracted	2,990	3,080	3,130	3,180

R520LC-9S WORKING RANGE



mm

	Boom length	7,060				6,550	9,000	10,000
	Arm length	2,400	2,900	3,380	4,000	2,400	5,850	6,850
A	Max. digging reach	11,140	11,530	12,080	12,640	10,590	16,280	18,170
A'	Max. digging reach on ground	10,890	11,290	11,840	12,420	10,320	16,100	18,010
B	Max. digging depth	6,610	7,110	7,590	8,210	6,130	11,380	13,010
B'	Max. digging depth (8' level)	6,430	6,940	7,440	8,080	5,950	11,280	12,925
C	Max. vertical wall digging depth	4,880	4,780	5,470	5,980	4,390	10,070	11,640
D	Max. digging height	10,640	10,610	11,080	11,290	10,260	13,930	15,150
E	Max. dumping height	7,290	7,350	7,760	7,980	6,920	10,530	11,760
F	Min. swing radius	5,110	4,910	4,830	4,910	4,650	5,940	6,510

Lifting Capacity

R520LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 6.55m / Arm : 2.40 m / Bucket : 2.15 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius								At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
												m
7.5 m	kg									*9680	9450	8.27
6.0 m	kg					*12520	*12520	*10940	10930	*9510	7850	9.07
4.5 m	kg			*18820	*18820	*14060	*14060	*11610	10610	*9480	7010	9.53
3.0 m	kg					*15650	14440	*12390	10200	*9510	6620	9.71
1.5 m	kg					*16660	13790	*12920	9840	*9540	6600	9.62
Ground	kg			*22490	21060	*16730	13430	*12920	9610	*9500	6960	9.26
-1.5 m	kg	*25000	*25000	*20550	*20550	*15740	13350	*12050	9550	*9220	7870	8.59
-3.0 m	kg	*20980	*20980	*17260	*17260	*13380	*13380			*8260	*8260	7.49
-4.5 m	kg			*11720	*11720							

Boom : 7.06m / Arm : 2.40 m / Bucket : 2.15 m³SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach
														m
7.5 m	kg							*9550	*9550			*8380	8150	8.92
6.0 m	kg					*12750	*12750	*10000	*10000			*8250	6850	9.66
4.5 m	kg					*13360	*13360	*10770	10480	*9620	7600	*8240	6140	10.10
3.0 m	kg					*14910	14070	*11580	9980	*9610	7370	*8270	5810	10.26
1.5 m	kg					*15810	13380	*12140	9570	*9820	7150	*8320	5780	10.18
Ground	kg					*15830	13040	*12220	9310			*8310	6070	9.84
-1.5 m	kg			*19210	*19210	*14990	12990	*11640	9240			*8130	6800	9.22
-3.0 m	kg	*19260	*19260	*16580	*16580	*13150	*13150	* 9990	9380			*7510	*7510	8.22
-4.5 m	kg			*12360	*12360	*9630	*9630							

Boom : 7.06m / Arm : 2.90 m / Bucket : 2.15 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach
														m
7.5 m	kg							*8730	*8730			*7580	7400	9.38
6.0 m	kg							*9250	*9250			*7510	6260	10.08
4.5 m	kg			*16930	*16930	*12420	*12420	*10080	*10080	*8690	7650	*7530	5610	10.50
3.0 m	kg			*20290	*20290	*14070	*14070	*10970	9910	*9120	7390	*7610	5300	10.66
1.5 m	kg			*21650	20490	*15220	13260	*11660	9420	*9460	7150	*7700	5250	10.58
Ground	kg			*21260	20140	*15550	12790	*11930	9090	*9500	6980	*7760	5480	10.26
-1.5 m	kg	*21260	*21260	*19890	*19890	*15030	12640	*11610	8950			*7720	6070	9.66
-3.0 m	kg	*22240	*22240	*17580	*17580	*15390	12740	*10430	9020			*7380	7310	8.72
-4.5 m	kg	*17060	*17060	*13920	*13920	*10810	*10810					*6210	*6210	7.30

1. Lifting capacity are based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

Lifting Capacity

R520LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 7.06m / Arm : 3.38 m / Bucket : 2.15 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius										At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity		Reach
														m
7.5 m	kg											*7020	6560	10.00
6.0 m	kg							*8730	*8730	*7900	7890	*6970	5630	10.66
4.5 m	kg			*15710	*15710	*11730	*11730	*9610	*9610	*8330	7630	*6990	5090	11.05
3.0 m	kg			*19340	*19340	*13520	*13520	*10590	10000	*8840	7310	*7050	4820	11.20
1.5 m	kg			*21400	20890	*14890	13410	*11400	9480	*9270	7010	*7130	4770	11.13
Ground	kg			*21610	20280	*15500	12860	*11830	9100	*9450	6780	*7190	4950	10.82
-1.5 m	kg	*19300	*19300	*20620	20170	*15250	12620	*11710	8910	*9180	6680	*7170	5440	10.26
-3.0 m	kg	*24930	*24930	*18620	*18620	*14110	12640	*10830	8900			*6940	6400	9.40
-4.5 m	kg	*19910	*19960	*15370	*15370	*11790	*11790	*8670	*8670			*6150	*6150	8.11
-6.0 m	kg			*10010	*10010									

Boom : 7.06m / Arm : 4.00 m / Bucket : 2.15 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius												At max. reach		
		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Capacity		Reach
																m
7.5 m	kg									*5940	*5940			*6390	5880	10.64
6.0 m	kg									*7330	*7330			*6380	5100	11.26
4.5 m	kg							*8970	*8970	*7840	7790	*4960	*4960	*6420	4630	11.62
3.0 m	kg			*17850	*17850	*12710	*12710	*10050	*10050	*8440	7440	*6540	5540	*6510	4390	11.77
1.5 m	kg			*20650	*20650	*14350	13710	*11020	9640	*8990	7100	*7320	5350	*6610	4340	11.70
Ground	kg	*14030	*14030	*21670	20530	*15300	13020	*11650	9190	*9340	6820	*6640	5200	*6700	4480	11.41
-1.5 m	kg	*18260	*18260	*21290	20190	*15430	12660	*11790	8920	*9320	6650			*6750	4860	10.88
-3.0 m	kg	*23260	*23260	*19810	*19810	*14700	12580	*11270	8830	*8690	6620			*6670	5610	10.08
-4.5 m	kg	*23470	*23470	*17130	*17130	*12930	12730	*9780	8950					*6250	*6250	8.91
-6.0 m	kg	*16700	*16700	*12740	*12740	*9530	*9530									

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Lifting Capacity

R520LC-9S

Rating over-front Rating over-side or 360 degree

Boom : 9.00m / Arm : 5.85 m / Bucket : 1.38 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m (ft)		Load radius												At max. reach		
		3.0 m		5.0 m		7.0 m		9.0 m		11.0 m		13.0 m		Capacity		Reach
																m
10.0 m	kg													*4210	3970	13.66
8.0 m	kg									*4750	*4750	*2800	*2800	*4140	3270	14.63
6.0 m	kg									*5130	*5130	*4310	4110	*4130	2840	15.25
4.0 m	kg					*8700	*8700	*6790	*6790	*5650	5520	*4910	3900	*4170	2580	15.57
2.0 m	kg			*16120	*16120	*10440	*10440	*7740	7260	*6190	5110	*5190	3670	*4230	2470	15.60
Ground	kg			*16710	16170	*11660	9800	*8490	6670	*6630	4760	*5400	3460	*4290	2490	15.35
-2.0 m	kg	*11290	*11290	*17600	15570	*12130	9250	*8870	6270	*6840	4500	*5410	3320	*4340	2660	14.80
-4.0 m	kg	*14480	*14480	*16990	15500	*11860	9040	*8750	6090	*6680	4380	*4170	3290	*4330	3030	13.91
-6.0 m	kg	*18200	*18200	*15010	*15010	*10780	9100	*8000	6110	*5900	4430			*4180	3740	12.60
-8.0 m	kg	*16860	*16860	*11770	*11770	*8630	*8630	*6210	*6210					*3610	*3610	10.71

Boom : 10.0m / Arm : 6.85 m / Bucket : 1.38 m³ SAE heaped / Shoe : 600mm triple grouser & 10700kg CWT

Load point height m		Load radius														At max. reach		
		3.0 m		5.0 m		7.0 m		9.0 m		11.0 m		13.0 m		15.0 m		Capacity		Reach
																		m
10.0 m	kg											*3340	*3340			*3040	2900	15.81
8.0 m	kg											*3490	*3490	*2300	*2300	*3000	2420	16.65
6.0 m	kg											*3740	*3740	*3300	3040	*2990	2100	17.19
4.0 m	kg							*5930	*5930	*4810	*4810	*4060	*4060	*3540	2870	*3020	1900	17.47
2.0 m	kg			*14880	*14880	*9450	*9450	*6850	*6850	*5360	5230	*4400	3750	*3720	2680	*3060	1810	17.49
Ground	kg			*12470	*12470	*10620	9810	*7600	6700	*5830	4780	*4680	3460	*3860	2510	*3110	1800	17.27
-2.0 m	kg	*8960	*8960	*13180	*13180	*11160	9140	*8040	6210	*6120	4440	*4840	3240	*3880	2380	*3160	1900	16.79
-4.0 m	kg	*11310	*11310	*15270	15220	*11080	8850	*8090	5940	*6160	4240	*4800	3120	*3630	2340	*3180	2130	16.02
-6.0 m	kg	*13970	*13970	*14710	*14710	*10410	8830	*7710	5870	*5850	4180	*4430	3100			*3140	2540	14.92
-8.0 m	kg	*17110	*17110	*12500	*12500	*9080	9040	*6780	5990	*5030	4290					*2940	*2940	13.40
-10.0 m	kg			*9190	*9190	*6830	*6830	*4970	*4970							*2340	*2340	11.26

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

STANDARD EQUIPMENT

ISO Standard cabin
- All-weather steel cab with 360° visibility
- Safety glass windows
- Rise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window(LH)
- Lockable door
- Hot & cool box
- Storage compartment & Ashtray
- Radio & USB player
- Cabin roof-steel cover
- 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 200 AH)

Battery master switch

Removable clean-out dust net for cooler

Automatic swing brake

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Track shoes (600mm)

Track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover (Normal)

Cat Walk

OPTIONAL EQUIPMENT

Fuel filler pump (35 L/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Quick coupler

Travel alarm

Booms
- Short boom (6.55m)
- Long boom (9.0m)
- Long boom (10.0m)

Arms
- Super short arm (2.4m)
- Short arm (2.9m)
- Long arm (5.85m)
- Long arm (6.85m)

Climate control
- Air conditioner only
- Heater only

Cabin FOPS/FOG (ISO/DIS 10262) Level 2
- FOPS (Falling Object Protective Structure)
- FOG (Falling Object Guard)

Cabin guard-Front
- Wire net
- Fine net

Cabin lights

Cabin front window rain guard

Sun visor

Track shoes
- Heavy duty shoe (600m)
- Heavy duty shoe (700m)
- Triple grousers shoe (700mm)
- Triple grousers shoe (750mm)
- Triple grousers shoe (800mm)
- Double grousers shoe (600mm)
- Double grousers shoe (700mm)
- Full track rail guard

Lower frame under cover (Additional)

Pre-heating system, coolant

Tool kit

Rearview camera

Seat
- Mechanical suspension seat with heater

Hi-mate (Remote Management System)

Air compressor

Pre cleaner

Oil washed air cleaner

Rear work lamp

Full Track Guard

* 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.