

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
Transparent cabin roof-cover
CD/MP3 Player
Handsfree mobile phone system with USB
Sun visor
Computer aided power optimization (New CAPO) system
3-power mode, 2-work mode, User mode
Auto deceleration & one-touch deceleration system
Auto warm-up system
Auto overheat prevention system
Automatic climate control
Full automatic temperature controller
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
Three outside rearview mirrors
Fully adjustable suspension seat with seat belt
Pilot-operated slidable joystick
Console box height adjust system
Four front working lights, one rear light
Electric horn
Batteries (2 x 12V x 200 AH)
Battery master switch
Removable clean-out dust net for cooler
Automatic swing brake
Automatic fuel line deaeration
Fuel pre-filter with fuel warmer
Boom holding system
Arm holding system
Counterweight (10,200kg / 22,490lb)
Track shoes (600mm, 24")
Track rail guard
Accumulator for lowering work equipment
Electric transducer
Lower frame under cover (Normal)
Viscous fan clutch
Travel alarm

OPTIONAL EQUIPMENT

Fuel filler pump (50 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
12 volt power outlet (24V DC to 12V DC converter)
Booms
Heavy duty boom (7.06m, 23'2")
Short boom (6.55m, 21'6")
Long boom (9.0m, 29'6")
Arms
Heavy duty arm (3.38m, 11'1")
Super short arm (2.4m, 7'10")
Short arm (2.9m, 9'6")
Long arm (5.85m, 19'2")
Climate control
Air conditioner only
Heater only
Air conditioner & heater manually
Cabin FOPS/FOG (ISO/DIS 10262)
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin roof-steel cover
Cabin lights
Cabin front window rain guard
Track shoes
Triple grousers shoe (700mm, 28")
Triple grousers shoe (750mm, 30")
Triple grousers shoe (800mm, 32")
Double grousers shoe (600mm, 24")
Double grousers shoe (700mm, 28")
Full track rail guard
Lower frame under cover (Additional)
Pre-heating system, coolant
Tool kit
Operator suit
Rearview camera
Seat
Mechanical suspension seat
Air-suspension seat with heater
Air-suspension seat
Pattern change valve (2 patterns)
Oil washed air cleaner
Hi-mate (Remote Management System)

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

PLEASE CONTACT

www.hyundai-ce.com

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HYUNDAI HEAVY INDUSTRIES CO.,LTD. **CONSTRUCTION EQUIPMENT**

Head Office (Sales Office)
1 JEONHA-DONG, DONG-GU, ULSAN, KOREA TEL: (82) 52-202-7970, 7729, 0971 FAX: (82) 52-202-7979, 7720

U.S. Operation: Hyundai Construction Equipment Americas, Inc.
955 ESTES AVENUE, ELK GROVE VILLAGE, IL. 60007, U.S.A. TEL: (1) 847-437-3333 FAX: (1) 847-437-3574

European Operation: Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

India Operation: Hyundai Construction Equipment India Pvt., Ltd.
PLOT NO.A-2, CHAKAN INDUSTRIAL AREA, VILL- KHALUMBRE. TALUK.- KHED., DIST- PUNE 410 501, INDIA
TEL: (91) 21-3530-1700 FAX: (91) 21-3530-1712

We build a better future

Robex
520LC-9
With Tier 3 Engine installed



*Photo may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.

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-9

Machine Walk-Around

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

Engine Technology

Proven / reliable, fuel efficient Cummins Tier III QSM11 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 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 / 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 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.

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.

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 CD/MP3 radio.



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 CD player, AM/FM stereo and MP3 capabilities, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the hands-free cell phone feature.



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.



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.

Precision

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



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.



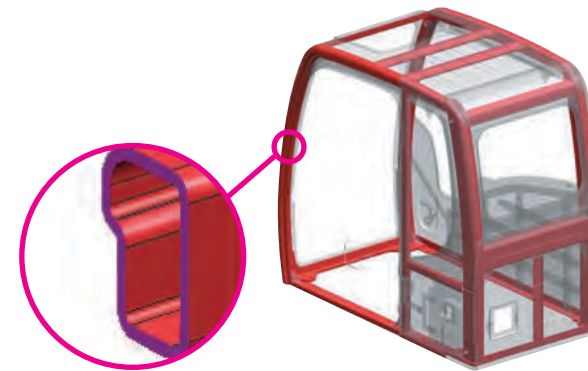
Track Rail Guard & Adjusters

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



CUMMINS QSM11 Engine

The Tier III compliant, six cylinder, turbo-charged, 4 cycle, water cooled, Cummins QSM11 diesel engine is built for power, reliability, efficiency and reduced emissions.



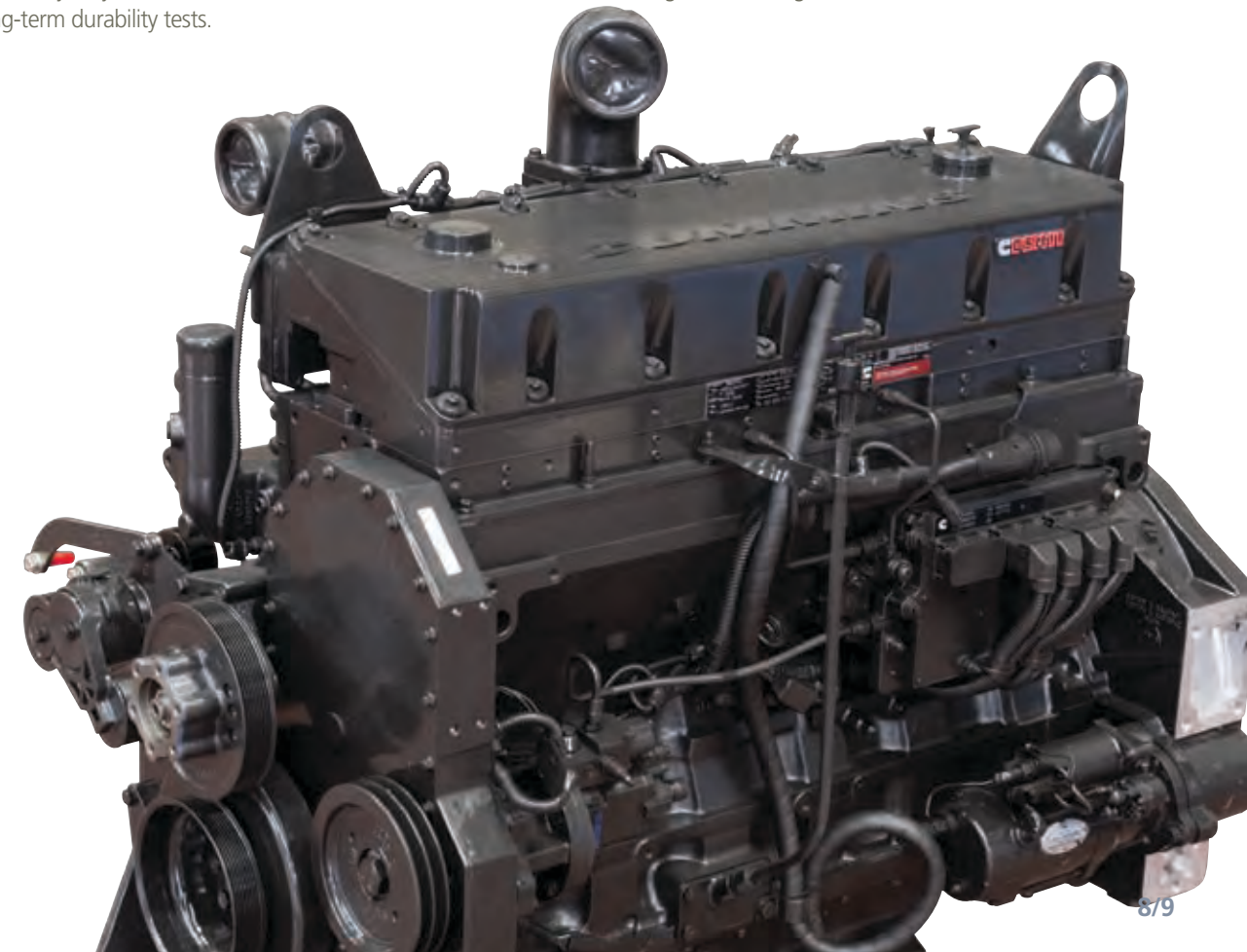
Heavy-duty strength

The QSM11 from Cummins. With advanced electronics. Higher torque. Better throttle response. Shorter service times. Longer maintenance intervals. Increased fuel economy. Decreased noise. Diagnostics. Prognostics. Engine protection, and more. All wrapped up in something we call the Quantum system.

The QSM11 is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. The exhaust manifold allows for heat expansion and contraction, eliminating metal stress fractures. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the QSM11 is built stronger to last longer.

Structure Strength

The 9 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.



Profitable

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



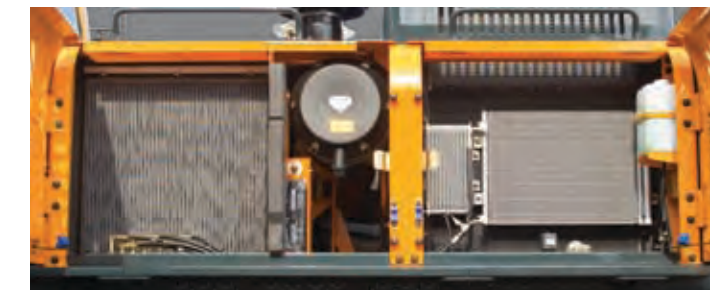
Hi-mate (Remote Management System)

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.



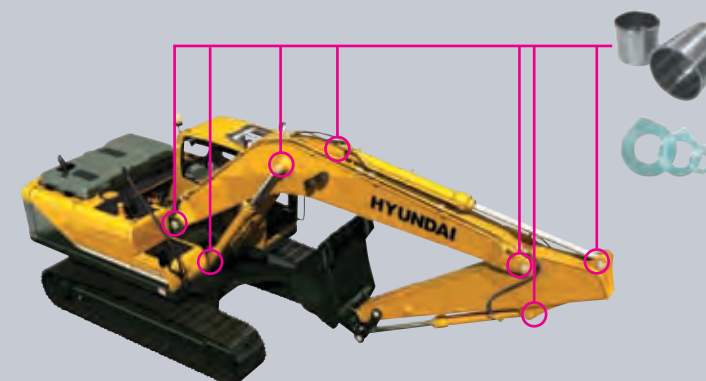
Fuel Efficient

9 series excavators are engineered to be extremely fuel efficient. New innovations like fan clutch, the variable speed remote fan, three-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.



Extended Life Components

9 series excavators were designed with extended lubricant bush life & ultra high molecular weight polymer shim (wear resistant, noise reducing), extended-life hydraulic filters (1,000hr), long-life hydraulic oil (5,000hr), more efficient cooling systems and integrated preheating systems to long extend service intervals, minimize operating costs and reduce machine down time.

*Photo may include optional equipment.

Specifications

ENGINE

MODEL	CUMMINS QSM11		
Type	Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission		
Rated flywheel horsepower	SAE	J1995 (gross)	357HP (266kW)/ 1,900rpm
		J1349 (net)	342HP (255kW)/ 1,900rpm
DIN		6271/1 (gross)	362HP (266kW)/ 1,900rpm
		6271/1 (net)	347HP (255kW)/ 1,900rpm
Max. torque	170.8kgf-m (1,235lb-ft)/ 1,400rpm		
Bore X stroke	125mm X 147mm (4.92" X 5.79")		
Piston displacement	10,800cc (659 in ³)		
Batteries	2 X 12V X 200AH		
Starting motor	24V, 7.2kW		
Alternator	24V, 70Amp		

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 360 L/min (95.1 US gpm/79.2 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Two-speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	345 kgf/cm ² (4,910 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 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: 2-170 X 1,570 mm (6.7" X 61.8")
	Arm: 1-190 X 1,820 mm (7.5" X 71.7")
	Bucket: 1-170 X 1,370 mm (6.7" X 53.9")

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 (82,000 lbf)
Max. travel speed (high / low)	5.0 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
Lights	Four lights mounted on the boom, one light mounted under the battery box one light mounted under the cabin one light mounted on the countweight

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	US gal	UK gal
Fuel tank	621	164	136.6
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device - gear oil	5.0	1.3	1.1
Final drive (each) - gear oil	5.0	1.3	1.1
Hydraulic system (including tank)	380	100.4	83.6
Hydraulic tank	262	69.2	57.6

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

OPERATING WEIGHT (APPROXIMATE)






Operating weight, including 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.15m³ (2.81 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	11,210kg (24,710lb)
Counterweight	10,200kg (22,490lb)
Boom (with arm cylinder)	4,140kg (9,130lb)

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
Triple grouser	600 mm (24")	51,000 (112,430)	0.88 (12.51)
	700 mm (28")	51,540 (113,630)	0.76 (10.81)
	750 mm (30")	51,810 (114,220)	0.72 (10.24)
Double grouser	600 mm (24")	51,000 (112,430)	0.88 (12.51)
	700 mm (28")	51,540 (113,630)	0.76 (10.81)

BUCKETS

All buckets are welded with high-strength steel.

									
SAE heaped m ³ (yd ³)	1.00 (1.31) 1.38 (1.80)	1.65 (2.16) 2.15 (2.81) 2.79 (3.65)	3.03 (3.96)	● 1.80 (2.35) ● 3.20 (4.19)	■ 2.20 (2.88)				
Capacity m ³ (yd ³)	Width mm (in)		Weight kg (lb)	Recommendation mm (ft-in)					
SAE heaped	CECE heaped	Without sidecutters		With sidecutters	7,060(23' 2")Boom				6,550(21' 6")Boom
				2,400(7' 10")Arm	2,900(9' 6")Arm	3,380(11' 1")Arm	4,000(13' 1")Arm	2,400(7' 10")Arm	5,850(19' 2")Arm
1.00 (1.31)	0.9 (1.17)	915 (36.0)	1,065 (41.9)	1,220 (2,690)	-	-	-	-	●
1.38 (1.80)	1.25 (1.63)	1,100 (43.3)	1,250 (49.2)	1,420 (3,130)	-	-	-	-	■
1.65 (2.16)	1.48 (1.94)	1,140 (44.9)	1,290 (50.8)	1,520 (3,350)	●	●	●	■	●
2.15 (2.81)	1.92 (2.51)	1,415 (55.7)	1,565 (61.6)	1,740 (3,840)	●	●	■	▲	●
2.79 (3.65)	2.47 (3.23)	1,760 (69.3)	1,910 (75.2)	1,960 (4,320)	■	■	▲	-	●
3.03 (3.96)	2.67 (3.49)	1,890 (74.4)	2,040 (80.3)	2,090 (4,610)	▲	▲	-	-	■
■ 2.20 (2.88)	1.80 (2.35)	1,840 (72.4)	-	2,170 (4,780)	●	●	■	-	●
● 1.80 (2.35)	1.50 (1.96)	1,560 (61.4)	-	2,110 (4,650)	●	●	■	-	●
● 3.20 (4.19)	2.80 (3.66)	2,095 (82.5)	-	2,900 (6,390)	-	-	-	-	■

■ Heavy duty bucket

● Rock-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 with a low-stress, full-box section design. 6,550mm(21' 6"), 7,060mm(23' 2"), 9,000mm(29' 6")boom and 2,400mm(7' 10"), 2,900mm(9' 6"), 3,380mm(11' 1"), 4,000mm(13' 1"), 5,850mm(19' 2")arms are available.

DIGGING FORCE

Boom	Length	mm (ft-in)	7,060(23' 2")				Remarks
	Weight	kg (lb)	3,260 (7,180)				
Arm	Length	mm (ft-in)	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	
	Weight	kg (lb)	2,370 (5,220)	2,540 (5,600)	2,380 (5,250)	2,670 (5,890)	
Bucket digging force	SAE	kN	247.1 [269.6]	251.1 [273.9]	253.0 [276.0]	253.0 [276.0]	[]: Power Boost
		kgf	25,200 [27,490]	25,600 [27,930]	25,800 [28,150]	25,800 [28,150]	
		lbf	55,560 [60,610]	56,440 [61,570]	56,880 [62,050]	56,880 [62,050]	
	ISO	kN	286.4 [312.4]	290.3 [316.7]	292.2 [318.8]	292.2 [318.8]	
		kgf	29,200 [31850]	29,600 [32,290]	29,800 [32,510]	29,800 [32,510]	
		lbf	64,370 [70220]	65,260 [71,190]	65,700 [71,670]	65,700 [71,670]	
Arm crowd force	SAE	kN	278.5 [303.8]	225.6 [246.1]	192.2 [209.7]	171.6 [187.2]	
		kgf	28,400 [30,980]	23,000 [25,090]	19,600 [21,380]	17,500 [19,090]	
		lbf	62,610 [68,300]	50,710 [55,320]	43,210 [47,140]	38,580 [42,090]	
	ISO	kN	291.3 [317.7]	235.4 [256.8]	200.1 [218.2]	177.5 [193.6]	
		kgf	29,700 [32,400]	24,000 [26,180]	20,400 [22,250]	18,100 [19,750]	
		lbf	65,480 [71,430]	52,910 [57,720]	44,970 [49,060]	39,900 [43,530]	

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

Arm weight includes bucket cylinder, linkage, and pin

Lifting Capacity

R520LC-9

Rating over-front  Rating over-side or 360 degree 

Boom : 7.06m (23' 2") / Arm : 2.90 m (9' 6") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,200kg (22,490 lb) Counterweight

Load point height m (ft)	Load radius						At max. reach	
	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	
7.5 m (25.0 ft)	kg			*9130	*9130	*8030	7490	9.38
	lb			*20130	*20130	*17700	16510	(30.8)
6.0 m (20.0 ft)	kg			*9680	*9680	*7980	6390	10.08
	lb			*21340	*21340	*17590	14090	(33.1)
4.5 m (15.0 ft)	kg	*17520	*17520	*12920	*12920	*10560	10490	10.50
	lb	*38620	*38620	*28480	*28480	*23280	23130	(34.4)
3.0 m (10.0 ft)	kg	*21080	*21080	*14680	*14130	*11500	9990	10.66
	lb	*46470	*46470	*32360	31150	*25350	22020	(35.0)
1.5 m (5.0 ft)	kg	*22550	20650	*15900	13380	*12240	9560	10.58
	lb	*49710	45530	*35050	29500	*26980	21080	(34.7)
Ground Line	kg		*22180	20340	*16280	12970	*12550	9260
	lb		*48900	44840	*35890	28590	*27670	20410
-1.5 m (-5.0 ft)	kg	*21080	*21080	*20820	20390	*15780	12830	*12240
	lb	*46470	*46470	*45900	44950	*34790	28290	*26980
-3.0 m (-10.0 ft)	kg	*23440	*23440	*18490	*18490	*14330	12930	*11060
	lb	*51680	*51680	*40760	*40760	*31590	28510	*24380
-4.5 m (-15.0 ft)	kg	*18200	*18200	*14780	*14780	*11520	*6800	*6800
	lb	*40120	*40120	*32580	*32580	*25400	*14990	*14990

Boom : 7.06m (23' 2") / Arm : 3.38 m (11' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,200kg (22,490 lb) Counterweight

Load point height m (ft)	Load radius						At max. reach	
	3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capacity	Reach	
7.5 m (25.0 ft)	kg					*7510	6700	10.00
	lb					*16560	14770	(32.8)
6.0 m (20.0 ft)	kg			*9190	*9190	*8380	7980	10.66
	lb			*20260	*20260	*18470	17590	(35.0)
4.5 m (15.0 ft)	kg		*16290	*16290	*12260	*12260	*10120	*10120
	lb		*35910	*35910	*27030	*27030	*22310	*22310
3.0 m (10.0 ft)	kg	*20110	*20110	*14150	*14150	*11160	10110	*9380
	lb	*44330	*44330	*31200	*31200	*24600	22290	*20680
1.5 m (5.0 ft)	kg	*22300	21040	*15600	13560	*12020	9640	*9840
	lb	*49160	46390	*34390	29890	*26500	21250	*21690
Ground Line	kg		*22570	20490	*16260	13060	*12490	9310
	lb		*49760	45170	*35850	28790	*27540	20530
-1.5 m (-5.0 ft)	kg	*19050	*19050	*21590	20400	*16040	12850	*12390
	lb	*42000	*42000	*47600	44970	*35360	28330	*27320
-3.0 m (-10.0 ft)	kg	*25420	*25420	*19580	*19580	*14900	12870	*11510
	lb	*56040	*56040	*43170	*43170	*32850	28370	*25380
-4.5 m (-15.0 ft)	kg	*21120	*21120	*16290	*16290	*12560	*9330	*9330
	lb	*46560	*46560	*35910	*35910	*27690	*20570	*20570
-6.0 m (-20.0 ft)	kg		*10870	*10870				
	lb		*23960	*23960				

- Lifting capacity is based on SAE J1097, ISO 10567.
- 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.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R520LC-9

Rating over-front  Rating over-side or 360 degree 

Boom : 7.06m (23' 2") / Arm : 4.00 m (13' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,200kg (22,490 lb) Counterweight

Load point height m (ft)	Load radius								At max. reach							
	3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		9.0 m (30.0 ft)		10.5 m (35.0 ft)		Capacity	Reach		
7.5 m (25.0 ft)	kg									*6160	*6160		*6770	5950	10.64	
	lb									*13580	*13580		*14930	13120	(34.9)	
6.0 m (20.0 ft)	kg									*7670	*7670		*6770	5200	11.26	
	lb									*16910	*16910		*14930	11460	(36.9)	
4.5 m (15.0 ft)	kg							*9320	*9320	*8200	7790	*5180	*5180	*6830	4750	11.62
	lb							*20550	*20550	*18080	17170	*11420	*11420	*15060	10470	(38.1)
3.0 m (10.0 ft)	kg			*18340	*18340	*13130	*13130	*10450	10170	*8830	7470	*6760	5620	*6920	4520	11.77
	lb			*40430	*40430	*28950	*28950	*23040	22420	*19470	16470	*14900	12390	*15260	9960	(38.6)
1.5 m (5.0 ft)	kg			*21260	*21260	*14840	13650	*11460	9640	*9410	7150	*7540	5450	*7030	4480	11.70
	lb			*46870	*46870	*32720	30090	*25260	21250	*20750	15760	*16620	12020	*15500	9880	(38.4)
Ground Line	kg	*13810	*13810	*22360	20460	*15850	13020	*12130	9240	*9780	6900	*6850	5310	*7130	4620	11.41
	lb	*30450	*30450	*49300	45110	*34940	28700	*26740	20370	*21560	15210	*15100	11710	*15720	10190	(37.4)
-1.5 m (-5.0 ft)	kg	*18040	*18040	*22000	20150	*16010	12700	*12290	8990	*9780	6750			*7190	5000	10.88
	lb	*39770	*39770	*48500	44420	*35300	28000	*27090	19820	*21560	14880			*15850	11020	(35.7)
-3.0 m (-10.0 ft)	kg	*23040	*23040	*20520	20190	*15290	12620	*11780	8920	*9150	6730			*7110	5740	10.08
	lb	*50790	*50790	*45240	44510	*33710	27820	*25970	19670	*20170	14840			*15670	12650	(33.1)
-4.5 m (-15.0 ft)	kg	*24400	*24400	*17830	*17830	*13520	12770	*10290	9030					*6710	*6710	8.91
	lb	*53790	*53790	*39310	*39310	*29810	28150	*22690	19910					*14790	*14790	(29.2)
-6.0 m (-20.0 ft)	kg	*17570	*17570	*13410	*13410	*10090	*10090									
	lb	*38740	*38740	*29560	*29560	*22240	*22240									

Boom : 9.00m (29' 6") / Arm : 5.85 m (19' 2") / Bucket : 1.38 m³ (1.80 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,700kg (23,590 lb) Counterweight

Load point height m (ft)	Load radius						At max. reach									
	3.0 m (10.0 ft)		5.0 m (15.0 ft)		7.0 m (25.0 ft)		9.0 m (30.0 ft)		11.0 m (35.0 ft)		13.0 m (45.0 ft)		Capacity	Reach		
10.0 m (35.0 ft)	kg												*4210	3970	13.66	
	lb												*9280	8750	(44.8)	
8.0 m (25.0 ft)	kg									*4750	*4750	*2800	*2800	*4140	3270	14.63
	lb									*10470	*10470	*6170	*6170	*9130	7210	(48.0)
6.0 m (20.0 ft)	kg									*5130	*5130	*4310	4110	*4130	2840	15.25
	lb									*11310	*11310	*9500	9060	*9110	6260	(50.0)
4.0 m (15.0 ft)	kg					*8700	*8700	*6790	*6790	*5650	5520	*4910	3900	*4170	2580	15.57
	lb					*19180	*19180	*14970	*14970	*12460	12170	*10820	8600	*9190	5690	(51.1)
2.0 m (5.0 ft)	kg			*16120	*16120	*10440	*10440	*7740	7260	*6190	5110	*5190	3670	*4230	2470	15.60
	lb			*35540	*35540	*23020	*23020	*17060	16010	*13650	11270	*11440	8090	*9330	5450	(51.2)
Ground Line	kg			*16710	16170	*11660	9800	*8490	6670	*6630	4760	*5400	3460	*4290	2490	15.35
	lb			*36840	35650	*25710	21610	*18720	14700	*14620	10490	*11900	7630	*9460	5490	(50.4)
-2.0 m (-5.0 ft)	kg	*11290	*11290	*17600	15570	*12130	9250	*8870	6270	*6840	4500	*5410	3320	*4340	2660	14.80
	lb	*24890	*24890	*38800	34330	*26740	20390	*19550	13820	*15080	9920	*11930	7320	*9570	5860	(48.6)
-4.0 m (-15.0 ft)	kg	*14480	*14480	*16990	15500	*11860	9040	*8750	6090	*6680	4380	*4170	3290	*4330	3030	13.91
	lb	*31920	*31920	*37460	34170	*26150	19930	*19290	13430	*14730	9660	*9190	7250	*9550	6680	(45.6)
-6.0 m (-20.0 ft)	kg	*18200	*18200	*15010	*15010	*10780	9100	*8000	6110	*5900	4430			*4180	3740	12.60
	lb	*40120	*40120	*33090	*33090	*23770	20060	*17640	13470	*13010	9770			*9220	8250	(41.3)
-8.0 m (-25.0 ft)	kg	*16860	*16860	*11770	*11770	*8630	*8630	*6210	*6210					*3610	*3610	10.71
	lb	*37170	*37170	*25950	*25950	*19030	*19030	*13690	*13690					*7960	*7960	(35.1)

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