

Specifications R520LC-9A

ENGINE

MODEL		CUMMINS QSX11.9 ENGINE	
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission	
Rated flywheel horse power	SAE	J1995 (gross)	372 HP (277 kW) / 1,800 rpm
		J1349 (net)	352 HP (263 kW) / 1,800 rpm
	DIN	6271/1 (gross)	377 PS (277 kW) / 1,800 rpm
		6271/1 (net)	357 PS (263 kW) / 1,800 rpm
Max. torque		186.7 kgf.m (1,350 lbf.ft) / 1,400 rpm	
Bore x stroke		130 mm x 150 mm (5.12" x 5.91")	
Piston displacement		11,900 cc (726 in ³)	
Batteries		2 x 12V x 200AH	
Starting motor		24V; 7.2 kW	
Alternator		24V; 105 Amp	

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axial 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	330 kgf/cm ² (4,690 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)	4.8 km/hr (3.0 mph) / 3.1 km/hr (1.9 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

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

Pilot control	Two joysticks with one safety lever (LH): Swing and arm (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	8.2 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Refilling			
Fuel tank	621	164	136.6
Engine coolant	60	15.9	13.2
Engine oil	41.6	10.1	9.2
Swing device	5	1.3	1.1
Final drive (each)	5	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)

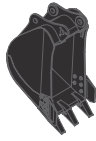
Operating weight, including 7,060 mm (23' 2") boom, 3,380 mm (11' 1") arm, SAE heaped 2.15 m³ (2.81 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

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

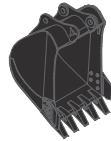
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
Triple grouser	600 (24")	51,000 (112,440)	0.88 (12.51)
	700 (28")	51,540 (113,630)	0.76 (10.81)
	750 (30")	51,810 (114,220)	0.72 (10.24)
	800 (32")	52,080 (114,820)	0.67 (9.53)
Double grouser	600 (24")	51,000 (112,440)	0.88 (12.51)
	700 (28")	51,540 (113,630)	0.76 (10.81)

BUCKETS R520LC-9A

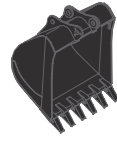
All buckets are welded with high-strength steel.



1.00 (1.31)
1.38 (1.80)



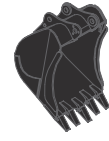
1.65 (2.16)
2.15 (2.81)
2.79 (3.65)



3.03 (3.96)



● 1.80 (2.35)
● 2.70 (3.53)
● 3.20 (4.19)



■ 2.20 (2.88)

SAE heaped m³ (yd³)

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)					
SAE heaped	CECE heaped	Without side cutters	With side cutters		7.06 (23' 2") Boom				6.55 (21' 6") Boom	9.0 (29' 6") Boom
					2.4 (7' 10") Arm	2.9 (9' 6") Arm	3.38 (11' 1") Arm	4.0 (13' 1") Arm	2.4 (7' 10") Arm	5.85 (19' 2") Arm
1.00 (1.31)	0.9 (1.18)	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)	●	●	■	-	●	-
● 2.70 (3.53)	2.5 (3.27)	1,790 (70.5)	-	2,715 (5,990)	▲	-	-	-	■	-
● 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 R520LC-9A

Booms and arms are welded with a low-stress, full-box section design.

6.55 m (21' 6"); 7.06 m (23' 2") & 9.0 m (29' 6") booms and 2.40 m (7' 10"); 2.90 m (9' 6"); 3.38 m (11' 1"); 4.0 m (13' 1") & 5.85 m (19' 2") arms are available.

DIGGING FORCE R520LC-9A

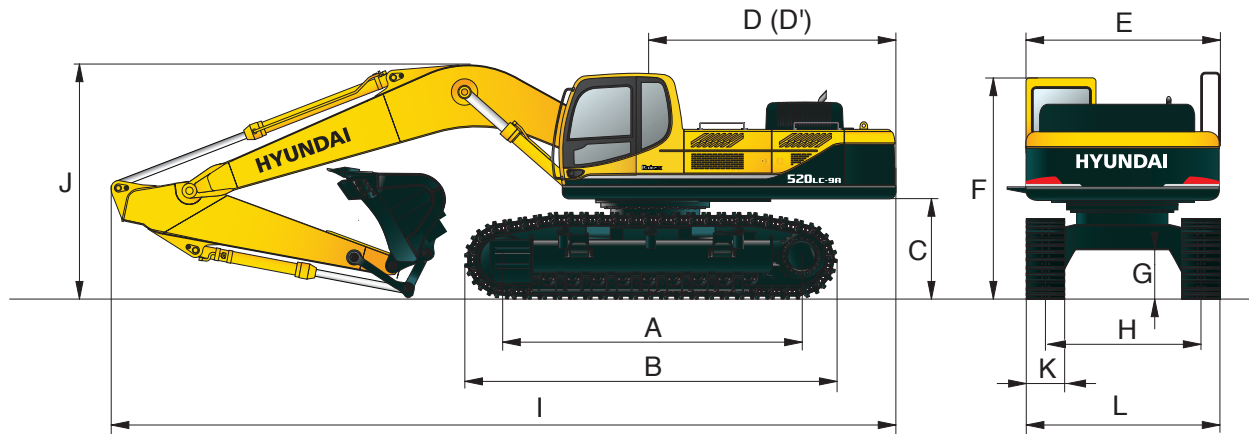
Boom	Length	mm (ft-in)	7,060 (23' 2")				Remarks
	Weight	kg (lb)	3,260 (7,180)				
Arm	Length	mm (ft-in)	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	[]: Power Boost
	Weight	kg (lb)	2,370 (5,220)	2,540 (5,600)	2,380 (5,250)	2,670 (5,890)	
Bucket digging force	SAE	kN	247.1 [269.6]	251.1 [273.9]	253.0 [276.0]	253.0 [276.0]	
		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 [31,850]	29,600 [32,290]	29,800 [32,510]	29,800 [32,510]	
		lbf	64,370 [70,220]	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

Dimensions & Working Ranges

DIMENSIONS R520LC-9A



mm (ft · in)

mm (ft · in)

A Tumbler distance		4,470 (14' 8")						
B Overall length of crawler		5,460 (17' 11")						
C Ground clearance of counterweight		1,500 (4' 11")						
D Tail swing radius		3,910 (12' 10")						
D' Rear-end length		3,855 (12' 8")						
E Overall width of upperstructure		2,980 (9' 9")						
F Overall height of cab		3,400 (11' 2")						
G Min. ground clearance		770 (2' 6")						
H Track gauge	Extended	2,940 (9' 8")						
	Retracted	2,380 (7' 10")						
Boom length			7,060 (23' 2")				6,550 (21' 6")	9,000 (29' 6")
Arm length			2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7' 10")	5,850 (19' 2")
I Overall length			12,280 (40' 3")	12,180 (40' 0")	12,060 (39' 7")	12,050 (39' 6")	11,780 (38' 8")	13,800 (45' 3")
J Overall height of boom			3,970 (13' 0")	3,880 (12' 9")	3,850 (12' 8")	4,100 (13' 5")	4,100 (13' 5")	5,190 (17' 0")
K Track shoe width			600 (24")	700 (28")	750 (30")	800 (32")		
L Overall width	Extended		3,540 (11' 7")	3,640 (11' 11")	3,690 (12' 1")	3,740 (12' 3")		
	Retracted		2,990 (9' 10")	3,080 (10' 1")	3,130 (10' 3")	3,180 (10' 5")		

WORKING RANGES R520LC-9A

mm (ft · in)

Boom length			7,060 (23' 2")				6,550 (21' 6")	9,000 (29' 6")
Arm length			2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7' 10")	5,850 (19' 2")
A Max. digging reach			11,140 (36' 7")	11,530 (37' 10")	12,080 (39' 8")	12,640 (41' 6")	10,590 (34' 9")	16,280 (53' 5")
A' Max. digging reach on ground			10,890 (35' 9")	11,290 (37' 0")	11,840 (38' 10")	12,420 (40' 9")	10,320 (33' 10")	16,100 (52' 10")
B Max. digging depth			6,610 (21' 8")	7,110 (23' 4")	7,590 (24' 11")	8,210 (26' 11")	6,130 (20' 1")	11,380 (37' 4")
B' Max. digging depth (8' level)			6,430 (21' 1")	6,940 (22' 9")	7,440 (24' 5")	8,080 (26' 6")	5,950 (19' 6")	11,280 (37' 0")
C Max. vertical wall digging depth			4,880 (16' 0")	4,780 (15' 8")	5,470 (17' 11")	5,980 (19' 7")	4,390 (14' 5")	10,070 (33' 0")
D Max. digging height			10,640 (34' 11")	10,610 (34' 10")	11,080 (36' 4")	11,290 (37' 0")	10,260 (33' 8")	13,930 (45' 8")
E Max. dumping height			7,290 (23' 11")	7,350 (24' 1")	7,760 (25' 6")	7,980 (26' 2")	6,920 (22' 8")	10,530 (34' 7")
F Min. front swing radius			5,110 (16' 9")	4,910 (16' 1")	4,830 (15' 10")	4,910 (16' 1")	4,650 (15' 3")	5,940 (19' 6")

Lifting Capacities

R520LC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 6.55 m (21' 6") / Arm : 2.40 m (7' 10") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
7.5 m (25 ft)	kg lb									*9680 *21340	9450 20830	8.27 (27.1)
6.0 m (20 ft)	kg lb					*12520 *27600	*12520 *27600	*10940 *24120	10930 24100	*9510 *20970	7850 17310	9.07 (29.8)
4.5 m (15 ft)	kg lb			*18820 *41490	*18820 *41490	*14060 *31000	*14060 *31000	*11610 *25600	10610 23390	*9480 *20900	7010 15450	9.53 (31.3)
3.0 m (10 ft)	kg lb					*15650 *34500	14440 31830	*12390 *27320	10200 22490	*9510 *20970	6620 14590	9.71 (31.9)
1.5 m (5 ft)	kg lb					*16660 *36730	13790 30400	*12920 *28480	9840 21690	*9540 *21030	6600 14550	9.62 (31.6)
Ground Line	kg lb			*22490 *49580	21060 46430	*16730 *36880	13430 29610	*12920 *28480	9610 21190	*9500 *20940	6960 15340	9.26 (30.4)
-1.5 m (-5 ft)	kg lb	*25000 *55120	*25000 *55120	*20550 *45300	*20550 *45300	*15740 *34700	13350 29430	*12050 *26570	9550 21050	*9220 *20330	7870 17350	8.59 (28.2)
-3.0 m (-10 ft)	kg lb	*20980 *46250	*20980 *46250	*17260 *38050	*17260 *38050	*13380 *29500	*13380 *29500			*8260 *18210	*8260 *18210	7.49 (24.6)
-4.5 m (-15 ft)	kg lb			*11720 *25840	*11720 *25840							

Boom : 7.06 m (23' 2") / Arm : 2.40 m (7' 10") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m (25 ft)	kg lb							*9860 *21740	*9860 *21740			*8740 *19270	8150 17970	8.92 (29.3)
6.0 m (20 ft)	kg lb					*12070 *26610	*12070 *26610	*10320 *22750	*10320 *22750			*8630 *19030	6890 15190	9.66 (31.7)
4.5 m (15 ft)	kg lb					*13750 *30310	*13750 *30310	*11130 *24540	10410 22950	*9620 *21210	7600 16760	*8620 *19000	6210 13690	10.10 (33.1)
3.0 m (10 ft)	kg lb					*15370 *33890	13980 30820	*11980 *26410	9950 21940	*9980 *22000	7390 16290	*8670 *19110	5890 12990	10.26 (33.7)
1.5 m (5 ft)	kg lb					*16320 *35980	13350 29430	*12570 *27710	9570 21100	*10220 *22530	7200 15870	*8720 *19220	5870 12940	10.18 (33.4)
Ground Line	kg lb					*16370 *36090	13040 28750	*12680 *27950	9340 20590			*8720 *19220	6160 13580	9.84 (32.3)
-1.5 m (-5 ft)	kg lb			*19880 *43830	*19880 *43830	*15530 *34240	13000 28660	*12110 *26700	9280 20460			*8550 *18850	6880 15170	9.22 (30.2)
-3.0 m (-10 ft)	kg lb	*20120 *44360	*20120 *44360	*17240 *38010	*17240 *38010	*13690 *30180	13170 29030	*10450 *23040	9420 20770			*7940 *17500	*7940 *17500	8.22 (27.0)
-4.5 m (-15 ft)	kg lb			*12990 *28640	*12990 *28640	*10140 *22350	*10140 *22350							

- 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 Capacities

R520LC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 7.06 m (23' 2") / Arm : 2.90 m (9' 6") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach m (ft)
7.5 m	kg							*9130	*9130			*8030	7490	9.38
(25 ft)	lb							*20130	*20130			*17700	16510	(30.8)
6.0 m	kg							*9680	*9680			*7980	6390	10.08
(20 ft)	lb							*21340	*21340			*17590	14090	(33.1)
4.5 m	kg			*17520	*17520	*12920	*12920	*10560	10490	*9150	7650	*8020	5780	10.50
(15 ft)	lb			*38620	*38620	*28480	*28480	*23280	23130	*20170	16870	*17680	12740	(34.4)
3.0 m	kg			*21080	*21080	*14680	14130	*11500	9990	*9620	7390	*8110	5480	10.66
(10 ft)	lb			*46470	*46470	*32360	31150	*25350	22020	*21210	16290	*17880	12080	(35.0)
1.5 m	kg			*22550	20650	*15900	13380	*12240	9560	*9990	7150	*8210	5440	10.58
(5 ft)	lb			*49710	45530	*35050	29500	*26980	21080	*22020	15760	*18100	11990	(34.7)
Ground Line	kg			*22180	20340	*16280	12970	*12550	9260	*10050	6980	*8290	5670	10.26
	lb			*48900	44840	*35890	28590	*27670	20410	*22160	15390	*18280	12500	(33.7)
-1.5 m	kg	*21080	*21080	*20820	20390	*15780	12830	*12240	9140			*8260	6270	9.66
(-5 ft)	lb	*46470	*46470	*45900	44950	*34790	28290	*26980	20150			*18210	13820	(31.7)
-3.0 m	kg	*23440	*23440	*18490	*18490	*14330	12930	*11060	9200			*7950	7480	8.72
(-10 ft)	lb	*51680	*51680	*40760	*40760	*31590	28510	*24380	20280			*17530	16490	(28.6)
-4.5 m	kg	*18200	*18200	*14780	*14780	*11520	*11520					*6800	*6800	7.30
(-15 ft)	lb	*40120	*40120	*32580	*32580	*25400	*25400					*14990	*14990	(24.0)

Boom : 7.06 m (23' 2") / Arm : 3.38 m (11' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach m (ft)
7.5 m	kg											*7510	6700	10.00
(25 ft)	lb											*16560	14770	(32.8)
6.0 m	kg							*9190	*9190	*8380	7980	*7470	5810	10.66
(20 ft)	lb							*20260	*20260	*18470	17590	*16470	12810	(35.0)
4.5 m	kg			*16290	*16290	*12260	*12260	*10120	*10120	*8830	7750	*7510	5290	11.05
(15 ft)	lb			*35910	*35910	*27030	*27030	*22310	*22310	*19470	17090	*16560	11660	(36.3)
3.0 m	kg			*20110	*20110	*14150	*14150	*11160	10110	*9380	7470	*7590	5040	11.20
(10 ft)	lb			*44330	*44330	*31200	*31200	*24600	22290	*20680	16470	*16730	11110	(36.7)
1.5 m	kg			*22300	21040	*15600	13560	*12020	9640	*9840	7200	*7680	5000	11.13
(5 ft)	lb			*49160	46390	*34390	29890	*26500	21250	*21690	15870	*16930	11020	(36.5)
Ground Line	kg			*22570	20490	*16260	13060	*12490	9310	*10050	7000	*7750	5190	10.82
	lb			*49760	45170	*35850	28790	*27540	20530	*22160	15430	*17090	11440	(35.5)
-1.5 m	kg	*19050	*19050	*21590	20400	*16040	12850	*12390	9130	*9790	6900	*7740	5670	10.26
(-5 ft)	lb	*42000	*42000	*47600	44970	*35360	28330	*27320	20130	*21580	15210	*17060	12500	(33.7)
-3.0 m	kg	*25420	*25420	*19580	*19580	*14900	12870	*11510	9130			*7520	6620	9.40
(-10 ft)	lb	*56040	*56040	*43170	*43170	*32850	28370	*25380	20130			*16580	14590	(30.8)
-4.5 m	kg	*21120	*21120	*16290	*16290	*12560	*12560	*9330	*9330			*6750	*6750	8.11
(-15 ft)	lb	*46560	*46560	*35910	*35910	*27690	*27690	*20570	*20570			*14880	*14880	(26.6)
-6.0 m				*10870	*10870									
(-20 ft)				*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 Capacities

R520LC-9A

Rating over-front Rating over-side or 360 degrees

 Boom : 7.06 m (23' 2") / Arm : 4.00 m (13' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach				
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity		Reach
																m (ft)
7.5 m (25 ft)	kg lb									*6160	*6160			*6770	5950	10.64
6.0 m (20 ft)	kg lb									*13580	*13580			*14930	13120	(34.9)
4.5 m (15 ft)	kg lb									*7670	*7670			*6770	5200	11.26
3.0 m (10 ft)	kg lb									*16910	*16910			*14930	11460	(36.9)
1.5 m (5 ft)	kg lb							*9320	*9320	*8200	7790	*5180	*5180	*6830	4750	11.62
Ground Line	kg lb							*20550	*20550	*18080	17170	*11420	*11420	*15060	10470	(38.1)
-1.5 m (-5 ft)	kg lb	*13810	*13810	*22360	20460	*15850	13020	*12130	9240	*9780	6900	*6850	5310	*7130	4620	11.41
-3.0 m (-10 ft)	kg lb	*18040	*18040	*22000	20150	*16010	12700	*12290	8990	*9780	6750			*7190	5000	10.88
-4.5 m (-15 ft)	kg lb	*39770	*39770	*48500	44420	*35300	28000	*27090	19820	*21560	14880			*15850	11020	(35.7)
-6.0 m (-20 ft)	kg lb	*23040	*23040	*20520	20190	*15290	12620	*11780	8920	*9150	6730			*7110	5740	10.08
-7.5 m (-25 ft)	kg lb	*50790	*50790	*45240	44510	*33710	27820	*25970	19670	*20170	14840			*15670	12650	(33.1)
-9.0 m (-30 ft)	kg lb	*24400	*24400	*17830	*17830	*13520	12770	*10290	9030					*6710	*6710	8.91
-10.5 m (-35 ft)	kg lb	*53790	*53790	*39310	*39310	*29810	28150	*22690	19910					*14790	*14790	(29.2)
-12.0 m (-40 ft)	kg lb	*17570	*17570	*13410	*13410	*10090	*10090									
-13.5 m (-45 ft)	kg lb	*38740	*38740	*29560	*29560	*22240	*22240									

 Boom : 9.00 m (29' 6") / Arm : 5.85 m (19' 2") / Bucket : 1.38 m³ (1.80 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach				
		3.0 m (10 ft)		5.0 m (15 ft)		7.0 m (25 ft)		9.0 m (30 ft)		11.0 m (35 ft)		13.0 m (45 ft)		Capacity		Reach
																m (ft)
10.0 m (35 ft)	kg lb													*4210	3970	13.66
8.0 m (25 ft)	kg lb									*4750	*4750	*2800	*2800	*9280	8750	(44.8)
6.0 m (20 ft)	kg lb									*10470	*10470	*6170	*6170	*9130	7210	(48.0)
4.0 m (15 ft)	kg lb									*5130	*5130	*4310	4110	*4130	2840	15.25
2.0 m (5 ft)	kg lb									*11310	*11310	*9500	9060	*9110	6260	(50.0)
Ground Line	kg lb					*8700	*8700	*6790	*6790	*5650	5520	*4910	3900	*4170	2580	15.57
-2.0 m (-5 ft)	kg lb					*19180	*19180	*14970	*14970	*12460	12170	*10820	8600	*9190	5690	(51.1)
-4.0 m (-15 ft)	kg lb			*16120	*16120	*10440	*10440	*7740	7260	*6190	5110	*5190	3670	*4230	2470	15.60
-6.0 m (-20 ft)	kg lb			*35540	*35540	*23020	*23020	*17060	16010	*13650	11270	*11440	8090	*9330	5450	(51.2)
-8.0 m (-25 ft)	kg lb			*16710	16170	*11660	9800	*8490	6670	*6630	4760	*5400	3460	*4290	2490	15.35
-10.0 m (-35 ft)	kg lb			*36840	35650	*25710	21610	*18720	14700	*14620	10490	*11900	7630	*9460	5490	(50.4)
-12.0 m (-40 ft)	kg lb	*11290	*11290	*17600	15570	*12130	9250	*8870	6270	*6840	4500	*5410	3320	*4340	2660	14.80
-14.0 m (-45 ft)	kg lb	*24890	*24890	*38800	34330	*26740	20390	*19550	13820	*15080	9920	*11930	7320	*9570	5860	(48.6)
-16.0 m (-55 ft)	kg lb	*14480	*14480	*16990	15500	*11860	9040	*8750	6090	*6680	4380	*4170	3290	*4330	3030	13.91
-18.0 m (-60 ft)	kg lb	*31920	*31920	*37460	34170	*26150	19930	*19290	13430	*14730	9660	*9190	7250	*9550	6680	(45.6)
-20.0 m (-65 ft)	kg lb	*18200	*18200	*15010	*15010	*10780	9100	*8000	6110	*5900	4430			*4180	3740	12.60
-22.0 m (-75 ft)	kg lb	*40120	*40120	*33090	*33090	*23770	20060	*17640	13470	*13010	9770			*9220	8250	(41.3)
-24.0 m (-80 ft)	kg lb	*16860	*16860	*11770	*11770	*8630	*8630	*6210	*6210					*3610	*3610	10.71
-26.0 m (-85 ft)	kg lb	*37170	*37170	*25950	*25950	*19030	*19030	*13690	*13690					*7960	*7960	(35.1)

- 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.

STANDARD EQUIPMENT R520LC-9A

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)
One key fits all lockable doors
Hot & cool box
Storage compartment & Ashtray
Radio / MP3 Player with remote control and USB-input
Handsfree mobile phone system with USB-charging device
Transparent cabin roof-cover
12 volt power outlet (24V DC to 12V DC converter)
Sun visor
Rain guard - front window

Computer aided power optimization (CAPO) system

3-power modes, 2-work modes, User mode
Auto & one-touch deceleration system
Auto warm-up system
Overheat prevention system

Automatic temperature 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
Clock
Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
Warning lamps
- Engine warning
- Overload
- Communication error
- Low battery
- Air filter clogging
Indicators
- Max power
- Low speed/High speed
- Fuel warmer
- Auto deceleration
Rearview camera

Door and cab locks, one key

Three outside rearview mirrors

Mechanical suspension seat with heater

Adjustable joysticks

Console box tilting system

Four front working lights

Electric horn

Batteries (2 x 12V x 200 AH)

Battery master switch

Removable clean-out screen for coolers

Automatic swing brake

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Track shoes (600 mm; 24")

Track rail guard

Accumulator for lowering work equipment

Lower frame under cover

Fuel filler pump (50 ℓ/min)

Safety lock valve for boom cylinder with overload warning device

Double-acting piping kit (clamshell, etc.)

Travel alarm

Boom

7.06 m; 23'2" Heavy duty

Arm

arm 3.38 m; 11'1" Heavy duty

Counterweight

10,200 kg; 22,490 lb

Hi-mate (Remote Management System)

OPTIONAL EQUIPMENT R520LC-9A

Beacon lamp

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Quick coupler

Booms

6.55 m; 21'6" Short boom

9.0 m; 29'6" Long boom

Arms

2.4 m; 7'10" Super short arm

2.9 m; 9'6" Short arm

5.85 m; 19'2" Long arm

Counterweights

10,700 kg; 23,590 lb

11,700 kg; 25,790 lb

Cabin FOPS/FOG (ISO/DIS 10262 Level II)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cover

Cabin guard - Front

Wire net

Fine net

Cabin lights

Track shoes

Triple grousers shoe (700 mm; 28")

Triple grousers shoe (750 mm; 30")

Triple grousers shoe (800 mm; 32")

Double grousers shoe (600 mm; 24")

Double grousers shoe (700 mm; 28")

Full track rail guard

Additional lower frame - reinforced under cover

Coolant pre-heating system

Tool kit

Operator suit

Seat

Adjustable air suspension seat with heater

Pattern change valve (2 patterns)

Central greasing 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

