

# Specifications R220LC-9A / R220NLC-9A

## ENGINE

MODEL	CUMMINS QSB6.7	
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)	167 HP (124 kW) / 1,950 rpm
	J1349 (net)	157 HP (117 kW) / 1,950 rpm
DIN	6271/1 (gross)	169 PS (124 kW) / 1,950 rpm
	6271/1 (net)	159 PS (117 kW) / 1,950 rpm
Max. torque	74.7 kgf.m (540 lbf.ft) / 1,500 rpm	
Bore x stroke	107 mm x 124 mm (4.2" x 4.9")	
Piston displacement	6,700 cc (409 in <sup>3</sup> )	
Batteries	2 x 12 V x 100 AH	
Starting motor	24 V; 4.8 kW	
Alternator	24 V, 95 Amp	

\* This engine meets the EPA (Tier 4 interim) / EU (Stage III-B) Emission regulation.

## HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement axial piston pumps
Max. flow	2 x 228.2 l/min (60.3 US gpm/50.2 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

## HYDRAULIC MOTORS

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

## RELIEF VALVE SETTING

Implement circuits	350 kgf/cm <sup>2</sup> (4,978 psi)
Travel	350 kgf/cm <sup>2</sup> (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,404 psi)
Swing circuit	265 kgf/cm <sup>2</sup> (3,769 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (568 psi)
Service valve	Installed

## HYDRAULIC CYLINDERS

No. of cylinder-bore x stroke	Boom: 2-120 x 1,290 mm (4.7" x 50.8")
	Arm: 1-140 x 1,510 mm (5.5" x 59.4")
	Bucket: 1-120 x 1,055 mm (4.7" x 41.5")

## DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	21,100 kgf (46,500 lbf)
Max. travel speed (high) / (low)	5.7 km/h (3.5 mph) / 3.6 km/h (2.2 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	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.7 rpm

## COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Refilling			
Fuel tank	400	105.7	88.0
Engine coolant	35	9.2	7.7
Engine oil	23.7	6.3	5.2
Swing device	6	1.6	1.3
Final drive (each)	6	1.6	1.3
Hydraulic system (including tank)	275	72.6	60.5
Hydraulic tank	160	42.3	35.2

## UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	49
No. of carrier rollers on each side	2
No. of track rollers on each side	9
No. of rail guards on each side	2

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680 mm (18' 8") boom, 2,920 mm (9' 7") arm, SAE heaped 0.92 m<sup>3</sup> (1.20 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

## MAJOR COMPONENT WEIGHT

Upperstructure	5,600 kg (12,350 lb)
Boom (with arm cylinder)	1,950 kg (4,300 lb)
Arm (with bucket cylinder)	1,095 kg (2,410 lb)

## OPERATING WEIGHT

Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm <sup>2</sup> (psi)
Triple grouser	500 (20")	R220NLC-9A	22,000 (48,500) 0.55 (7.82)
		R220NLC-9A 2pc	22,480 (49,560) 0.56 (7.97)
	600 (24")	R220LC-9A	21,900 (48,280) 0.46 (6.54)
		R220NLC-9A	22,350 (49,280) 0.47 (6.68)
		R220NLC-9A 2pc	22,830 (50,330) 0.48 (6.83)
		R220LC-9A H/W	23,360 (51,500) 0.50 (7.11)
	700 (28")	R220LC-9A LR	24,360 (53,700) 0.51 (7.25)
		R220LC-9A	22,250 (49,050) 0.40 (5.69)
		R220NLC-9A	22,700 (50,050) 0.41 (5.83)
		R220NLC-9A 2pc	23,180 (51,100) 0.42 (5.98)
	800 (32")	R220LC-9A H/W	23,710 (52,270) 0.43 (6.11)
		R220LC-9A LR	24,710 (54,500) 0.45 (6.40)
R220LC-9A		22,515 (49,640) 0.36 (5.12)	
R220LC-9A H/W		23,975 (52,860) 0.38 (5.40)	
900 (36")	R220LC-9A LR	24,975 (55,050) 0.40 (5.69)	
	R220LC-9A	22,760 (50,180) 0.32 (4.55)	
Double grouser	700 (28")	R220LC-9A LR	25,220 (55,600) 0.36 (5.12)
		R220LC-9A H/W	24,135 (53,210) 0.43 (6.11)

## BUCKETS R220LC-9A / R220LC-9A LR / R220LC-9A H/W

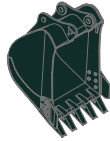
All buckets are welded with high-strength steel.



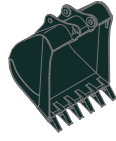
0.51 (0.67)



0.80 (1.05)  
0.92 (1.20)



1.10 (1.44)  
1.20 (1.57)



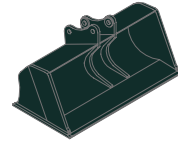
1.34 (1.75)



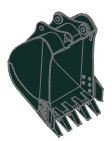
◆ 0.74 (0.97)  
◆ 0.90 (1.18)  
◆ 1.05 (1.37)



● 0.87 (1.14)  
● 1.20 (1.57)



■ 0.75 (0.98)



★ 0.52 (0.68)

SAE heaped m<sup>3</sup> (yd<sup>3</sup>)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		5.68 (18' 8") Boom				8.2 (26' 11") Boom
					2.0 (6' 7") Arm	2.4 (7' 10") Arm	2.92 (9' 7") Arm	3.9 (12' 10") Arm	6.3 (20' 8") Arm
0.51 (0.67)	0.45 (0.59)	700 (27.6)	820 (32.3)	570 (1,260)	●	●	●	●	-
0.80 (1.05)	0.70 (0.92)	1,000 (39.4)	1,120 (44.1)	700 (1,540)	●	●	●	●	-
0.92 (1.20)	0.80 (1.05)	1,150 (45.3)	1,270 (50.0)	770 (1,700)	●	●	●	■	-
1.10 (1.44)	0.96 (1.26)	1,320 (52.0)	1,440 (56.7)	830 (1,830)	●	●	■	▲	-
1.20 (1.57)	1.00 (1.31)	1,400 (55.1)	1,520 (59.8)	850 (1,870)	●	■	▲	▲	-
1.34 (1.75)	1.15 (1.50)	1,550 (61.0)	1,670 (65.7)	920 (2,030)	■	■	▲	-	-
◆ 0.74 (0.97)	0.65 (0.85)	985 (38.8)	-	770 (1,700)	●	●	●	●	-
◆ 0.90 (1.18)	0.80 (1.05)	1,070 (42.1)	-	810 (1,790)	●	●	●	■	-
◆ 1.05 (1.37)	0.92 (1.20)	1,290 (50.8)	-	890 (1,960)	●	●	■	▲	-
● 0.87 (1.14)	0.75 (0.98)	1,140 (44.9)	-	900 (1,980)	●	●	●	■	-
● 1.20 (1.57)	1.00 (1.31)	1,410 (55.5)	-	1,030 (2,270)	■	▲	-	-	-
■ 0.75 (0.98)	0.65 (0.85)	1,790 (70.5)	-	880 (1,940)	●	●	■	▲	-
★ 0.52 (0.68)	0.45 (0.59)	935 (36.8)	1,035 (40.7)	460 (1,010)	-	-	-	-	■

◆ Heavy-duty bucket

■ Slope finishing bucket

● : Applicable for materials with density of 2,000 kg/m<sup>3</sup> (3,370 lb/yd<sup>3</sup>) or less

● Heavy duty Rock-bucket

★ Long reach bucket

■ : Applicable for materials with density of 1,600 kg/m<sup>3</sup> (2,700 lb/yd<sup>3</sup>) or less

▲ : Applicable for materials with density of 1,100 kg/m<sup>3</sup> (1,850 lb/yd<sup>3</sup>) or less

## ATTACHMENT R220LC-9A / R220LC-9A LR / R220LC-9A H/W

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

5.68 m (18' 8") & 8.2 m (26' 11") Booms and 2.0 m (6' 7"); 2.4 m (7' 10"); 2.92 m (9' 7"); 3.9 m (12' 10") & 6.3 m (20' 8") Arms are available.

## DIGGING FORCE R220LC-9A / R220LC-9A LR / R220LC-9A H/W

Boom	Length	mm (ft.in)	5,680 (18' 8")				8,200 (26' 11")	Remarks
	Weight	kg (lb)	1,950 (4,300)				2,350 (5,180)	
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	6,300 (20' 8")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	1,330 (2,930)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	72.6	[ ]: Power Boost
		kgf	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	7400	
		lbf	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	16310	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	83.4	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	8500	
		lbf	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	18740	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	84.3 [91.6]	49.0	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	8600 [9340]	5000	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	18960 [20590]	11020	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	87.3 [94.8]	50.0	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	8900 [9660]	5100	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	19620 [21300]	11240	

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

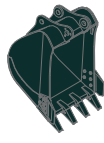
Arm weight includes bucket cylinder, linkage and pin.

## BUCKETS R220NLC-9A

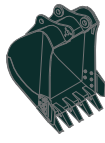
All buckets are welded with high-strength steel.



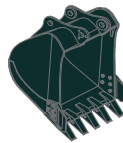
0.51 (0.67)



0.80 (1.05)  
0.87 (1.14)  
0.92 (1.20)



1.10 (1.44)  
1.20 (1.57)



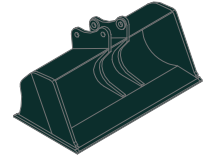
1.34 (1.75)



■ 0.74 (0.97)  
■ 0.90 (1.18)  
■ 1.05 (1.37)



● 0.87 (1.14)



★ 0.75 (0.98)

SAE heaped m<sup>3</sup> (yd<sup>3</sup>)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		5.65 (18' 6") Mono boom			5.65 (18' 6") Hydraulic adjustable boom	
					2.00 (6' 7") Arm	2.40 (7' 10") Arm	2.92 (9' 7") Arm	2.00 (6' 7") Arm	2.40 (7' 10") Arm
0.51 (0.67)	0.45 (0.59)	700 (27.6)	820 (32.3)	570 (1,260)	●	●	●	●	●
0.80 (1.05)	0.70 (0.92)	1,000 (39.4)	1,120 (44.1)	700 (1,540)	●	●	●	●	●
0.87 (1.14)	0.75 (0.98)	1,090 (42.9)	1,210 (47.6)	740 (1,630)	●	●	■	●	●
0.92 (1.20)	0.80 (1.05)	1,150 (45.3)	1,270 (50.0)	770 (1,700)	●	●	■	●	●
1.10 (1.44)	0.96 (1.26)	1,320 (52.0)	1,440 (56.7)	830 (1,830)	■	▲	▲	■	▲
1.20 (1.57)	1.00 (1.31)	1,400 (55.1)	1,520 (59.8)	850 (1,870)	■	▲	-	■	▲
1.34 (1.75)	1.15 (1.50)	1,550 (61.0)	1,670 (65.7)	920 (2,030)	▲	▲	-	▲	▲
■ 0.74 (0.97)	0.65 (0.85)	985 (38.8)	-	770 (1,700)	●	●	●	●	●
■ 0.90 (1.18)	0.80 (1.05)	1,070 (42.0)	-	810 (1,790)	●	●	■	●	●
■ 1.05 (1.37)	0.92 (1.20)	1,290 (50.8)	-	890 (1,960)	■	▲	-	■	▲
● 0.87 (1.14)	0.75 (0.98)	1,140 (44.9)	-	900 (1,980)	●	●	■	●	●
★ 0.75 (0.98)	0.65 (0.85)	1,790 (70.5)	-	880 (1,940)	●	●	■	●	●

■ Heavy-duty bucket

● Heavy duty Rock-bucket

★ Slope finishing bucket

● : Applicable for materials with density of 2,000 kg/m<sup>3</sup> (3,370 lb/yd<sup>3</sup>) or less

■ : Applicable for materials with density of 1,600 kg/m<sup>3</sup> (2,700 lb/yd<sup>3</sup>) or less

▲ : Applicable for materials with density of 1,100 kg/m<sup>3</sup> (1,850 lb/yd<sup>3</sup>) or less

## ATTACHMENT R220NLC-9A

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

5.65 m (18' 6") mono boom, 5.65 m (18' 6") hydraulic adjustable boom and 2.00 m (6' 7"); 2.40 m (7' 10") and 2.92 m (9' 7") arms are available.

## DIGGING FORCE R220NLC-9A

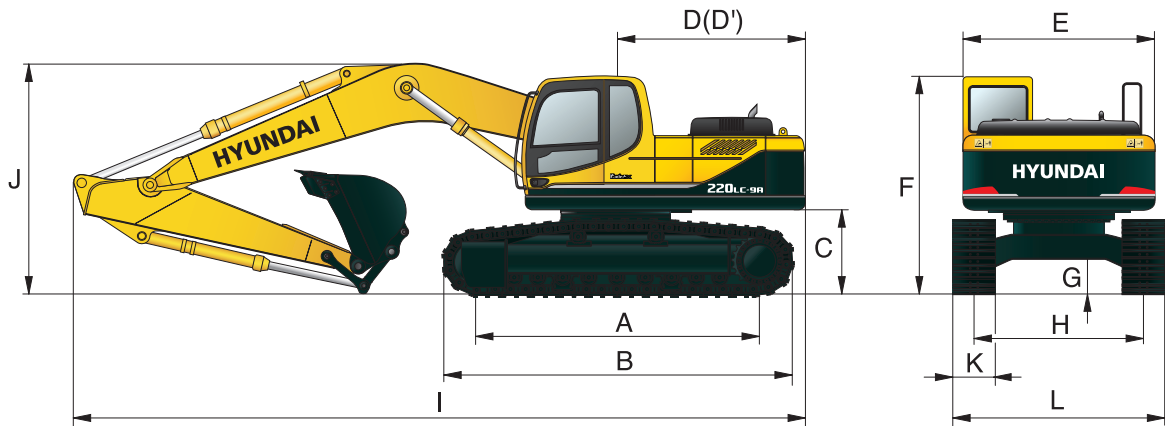
Boom	Length	mm (ft.in)	5,650 (18' 6")			Remarks
	Weight	kg (lb)	1,950 (4,300)			
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	[ ]: Power Boost
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	130.4 [141.6]	130.4 [141.6]	130.4 [141.6]	
		kgf	13,300 [14,440]	13,300 [14,440]	13,300 [14,440]	
		lbf	29,320 [31,830]	29,320 [31,830]	29,320 [31,830]	
	ISO	kN	149.1 [161.8]	149.1 [161.8]	149.1 [161.8]	
		kgf	15,200 [16,500]	15,200 [16,500]	15,200 [16,500]	
		lbf	33,510 [36,380]	33,510 [36,380]	33,510 [36,380]	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	
		kgf	14,700 [15,960]	12,200 [13,250]	10,400 [11,290]	
		lbf	32,410 [35,190]	26,900 [29,210]	22,930 [24,900]	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	
		kgf	15,400 [16,720]	12,800 [13,900]	10,900 [11,830]	
		lbf	33,950 [36,860]	28,220 [30,640]	24,030 [26,090]	

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

Arm weight includes bucket cylinder, linkage and pin.

# Dimensions & Working Ranges

## DIMENSIONS R220LC-9A / R220LC-9A LR

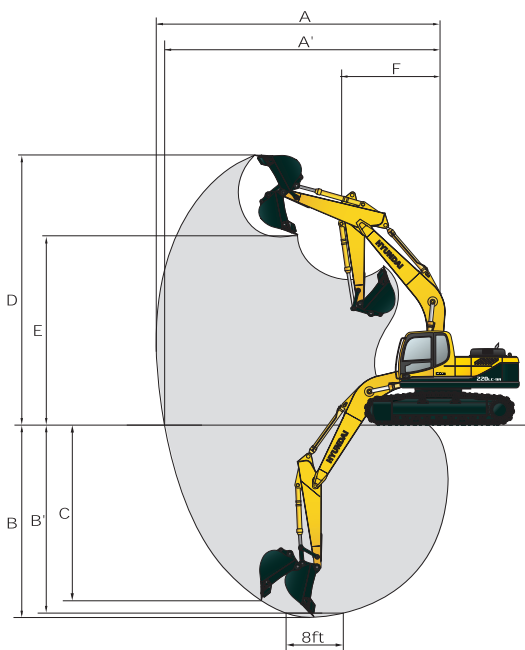


mm (ft · in)

<b>A</b> Tumbler distance	3,650 (11' 12")	<b>Boom length</b>	5,680 (18' 8")				8,200 (26' 11")
<b>B</b> Overall length of crawler	4,440 (14' 7")	<b>Arm length</b>	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	6,300 (20' 8")
<b>C</b> Ground clearance of counterweight	1,060 (3' 6")	<b>I</b> Overall length	9,650 (31' 8")	9,570 (31' 5")	9,530 (31' 3")	9,520 (31' 3")	12,030 (39' 6")
<b>D</b> Tail swing radius	2,840 (9' 4")	<b>J</b> Overall height of boom	3,200 (10' 6")	3,110 (10' 2")	3,030 (9' 11")	3,480 (11' 5")	3,280 (10' 9")
<b>D'</b> Rear-end length	2,770 (9' 1")	<b>K</b> Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")	
<b>E</b> Overall width of upperstructure	2,740 (8' 12")	<b>L</b> Overall width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")	
<b>F</b> Overall height of cab	2,920 (9' 7")						
<b>G</b> Min. ground clearance	480 (1' 7")						
<b>H</b> Track gauge	2,390 (7' 10")						

mm (ft · in)

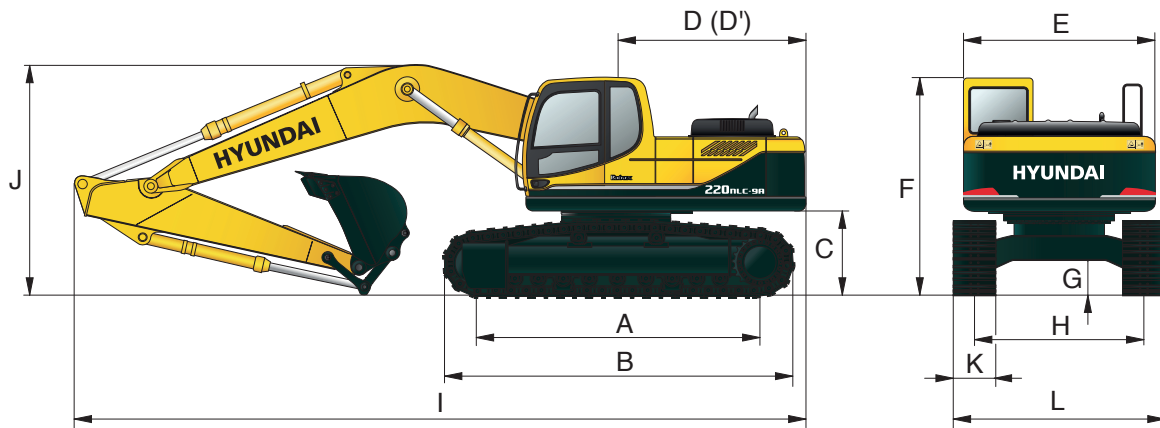
## WORKING RANGES R220LC-9A / R220LC-9A LR



<b>Boom length</b>	5,680 (18' 8")				8,200 (26' 11")
<b>Arm length</b>	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	6,300 (20' 8")
<b>A</b> Max. digging reach	9,140 (29' 12")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")	15,220 (49' 11")
<b>A'</b> Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4")	15,120 (49' 7")
<b>B</b> Max. digging depth	5,820 (19' 1")	6,220 (20' 5")	6,730 (22' 1")	7,720 (25' 4")	11,760 (38' 7")
<b>B'</b> Max. digging depth (8' level)	5,580 (18' 4")	6,010 (19' 9")	6,560 (21' 6")	7,580 (24' 10")	11,650 (38' 3")
<b>C</b> Max. vertical wall digging depth	5,280 (17' 4")	5,720 (18' 9")	6,280 (20' 7")	7,240 (23' 9")	9,610 (31' 6")
<b>D</b> Max. digging height	9,140 (29' 12")	9,340 (30' 8")	9,600 (31' 6")	10,110 (33' 2")	12,550 (41' 2")
<b>E</b> Max. dumping height	6,330 (20' 9")	6,520 (21' 5")	6,780 (22' 3")	7,290 (23' 11")	10,280 (33' 9")
<b>F</b> Min. front swing radius	3,750 (12' 4")	3,740 (12' 3")	3,740 (12' 3")	3,650 (11' 12")	4,870 (15' 12")

# Dimensions & Working Ranges

## DIMENSIONS R220NLC-9A



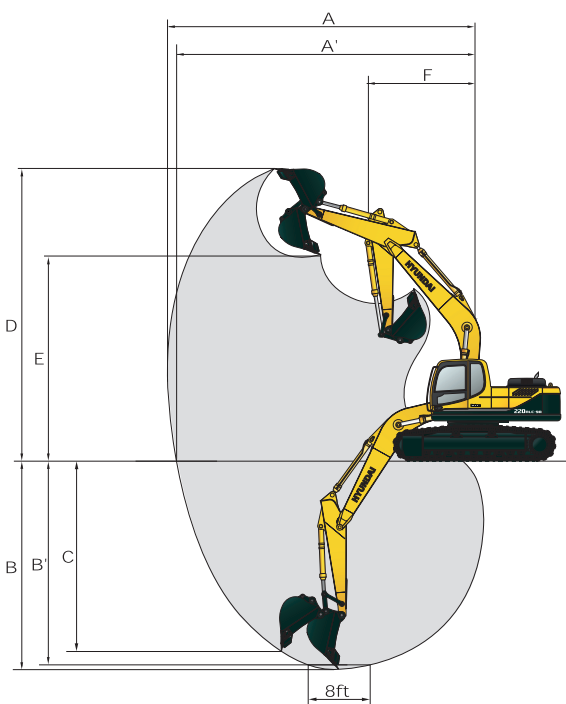
mm (ft · in)

mm (ft · in)

<b>A</b> Tumbler distance	3,650 (12'0")	Boom length	5,650 (18'6")		
<b>B</b> Overall length of crawler	4,440 (14'7")	Arm length	2,000 (6'7")	2,400 (7'10")	2,920 (9'7")
<b>C</b> Ground clearance of counterweight	1,060 (3'6")	<b>I</b> Overall length	9,650 (31'8")	9,570 (31'5")	9,510 (31'2")
<b>D</b> Tail swing radius	2,800 (9'2")	Overall height of boom	3,250 (10'8")	3,170 (10'5")	3,100 (10'2")
<b>D'</b> Rear-end length	2,770 (9'1")	<b>K</b> Track shoe width	500 (20")	600 (24")	700 (28")
<b>E</b> Overall width of upperstructure	2,530 (8'4")	<b>L</b> Overall width	2,500 (8'2")	2,600 (8'6")	2,700 (8'9")
<b>F</b> Overall height of cab	2,920 (9'7")				
<b>G</b> Min. ground clearance	480 (1'7")				
<b>H</b> Track gauge	2,000 (6'7")				

## WORKING RANGES R220NLC-9A

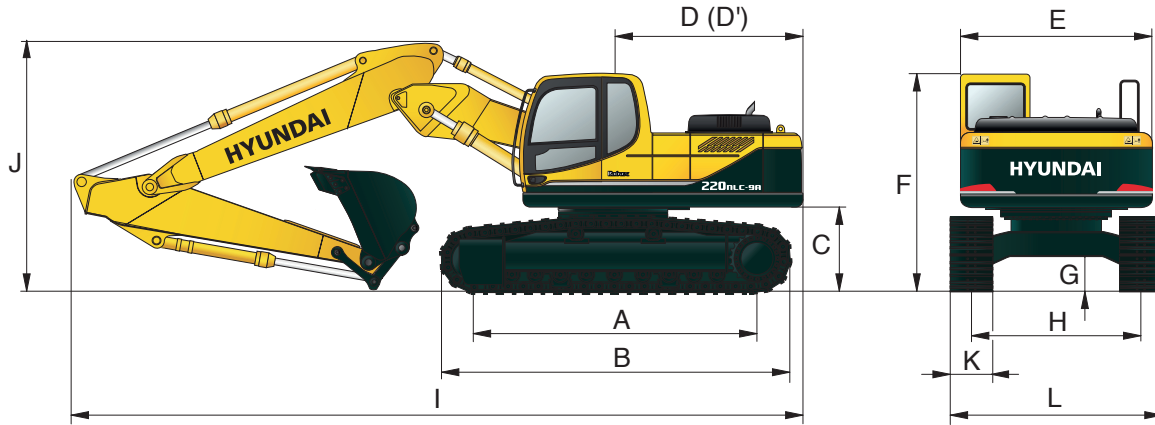
mm (ft · in)



Boom length	5,650 (18'6")		
Arm length	2,000 (6'7")	2,400 (7'10")	2,920 (9'7")
<b>A</b> Max. digging reach	9,140 (29'12")	9,510 (31'2")	9,960 (32'8")
<b>A'</b> Max. digging reach on ground	8,960 (29'5")	9,340 (30'8")	9,800 (32'2")
<b>B</b> Max. digging depth	5,750 (18'10")	6,150 (20'2")	6,640 (21'9")
<b>B'</b> Max. digging depth (8' level)	5,520 (18'1")	5,950 (19'6")	6,470 (21'3")
<b>C</b> Max. vertical wall digging depth	5,320 (17'5")	5,780 (19'0")	6,250 (20'6")
<b>D</b> Max. digging height	9,270 (30'5")	9,500 (31'2")	9,740 (31'11")
<b>E</b> Max. dumping height	6,450 (21'2")	6,660 (21'10")	6,900 (22'8")
<b>F</b> Min. front swing radius	3,710 (12'2")	3,630 (11'11")	3,580 (11'9")

# Dimensions & Working Ranges

## DIMENSIONS R220NLC-9A - HYDRAULIC ADJUSTABLE BOOM



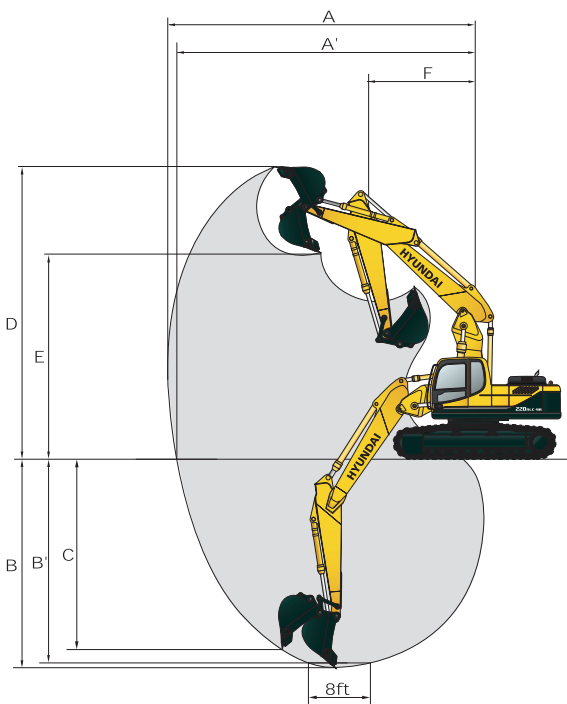
mm (ft · in)

mm (ft · in)

<b>A</b> Tumbler distance	3,650 (12'0")	Boom length	5,650 (18'6")		
<b>B</b> Overall length of crawler	4,440 (14'7")	Arm length	2,000 (6'7")	2,400 (7'10")	
<b>C</b> Ground clearance of counterweight	1,060 (3'6")	<b>I</b> Overall length	9,620 (31'7")	9,550 (31'4")	
<b>D</b> Tail swing radius	2,800 (9'2")	Overall height of boom	3,050 (10'0")	3,000 (9'10")	
<b>D'</b> Rear-end length	2,770 (9'1")	<b>K</b> Track shoe width	500 (20")	600 (24")	700 (28")
<b>E</b> Overall width of upperstructure	2,530 (8'4")	<b>L</b> Overall width	2,500 (8'2")	2,600 (8'6")	2,700 (8'9")
<b>F</b> Overall height of cab	2,920 (9'7")				
<b>G</b> Min. ground clearance	480 (1'7")				
<b>H</b> Track gauge	2,000 (6'7")				

## WORKING RANGES R220NLC-9A - HYDRAULIC ADJUSTABLE BOOM

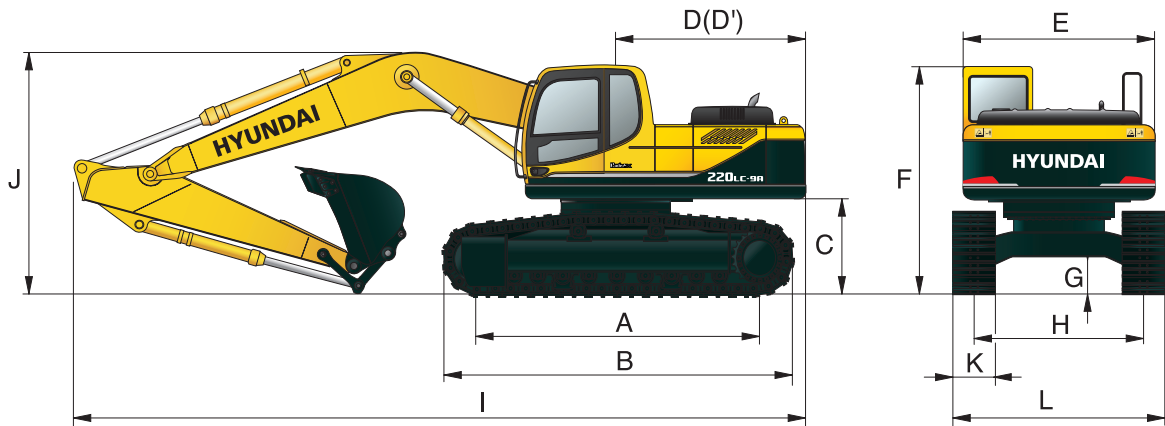
mm (ft · in)



Boom length	5,650 (18'6")	
Arm length	2,000 (6'7")	2,400 (7'10")
<b>A</b> Max. digging reach	9,120 (29'11")	9,530 (31'3")
<b>A'</b> Max. digging reach on ground	8,940 (29'4")	9,360 (30'9")
<b>B</b> Max. digging depth	5,480 (17'12")	5,890 (19'4")
<b>B'</b> Max. digging depth (8' level)	5,360 (17'7")	5,770 (18'11")
<b>C</b> Max. vertical wall digging depth	4,560 (14'12")	4,990 (16'4")
<b>D</b> Max. digging height	10,300 (33'10")	10,670 (35'0")
<b>E</b> Max. dumping height	7,390 (24'3")	7,740 (25'5")
<b>F</b> Min. front swing radius	2,870 (9'5")	2,670 (8'9")

# Dimensions & Working Ranges

## DIMENSIONS R220LC-9A HIGH WALKER



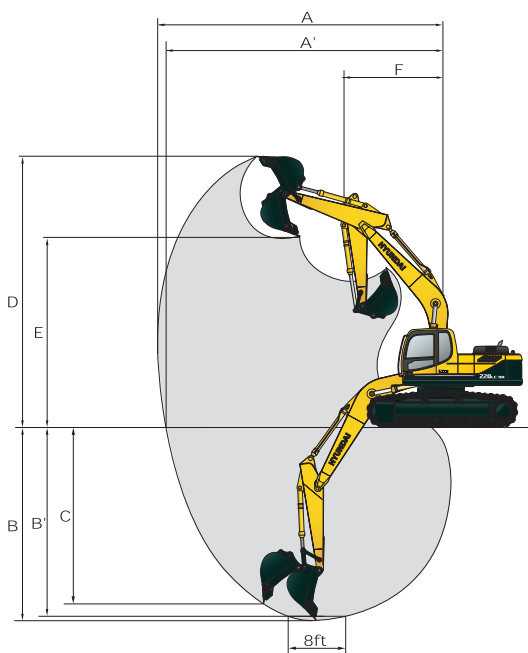
mm (ft · in)

mm (ft · in)

<b>A</b> Tumbler distance	3,650 (11'12")	Boom length	5,680 (18'8")				
<b>B</b> Overall length of crawler	4,440 (14'7")	Arm length	2,000 (6'7")	2,400 (7'10")	2,920 (9'7")	3,900 (12'10")	
<b>C</b> Ground clearance of counterweight	1,240 (4'1")	<b>I</b> Overall length	9,650 (31'8")	9,550 (31'4")	9,470 (31'1")	9,560 (31'4")	
<b>D</b> Tail swing radius	2,840 (9'4")	<b>J</b> Overall height of boom	3,290 (10'10")	3,170 (10'5")	3,060 (10'0")	3,450 (11'4")	
<b>D'</b> Rear-end length	2,770 (9'1")	<b>K</b> Track shoe width	Type	Triple grouser			Double grouser
<b>E</b> Overall width of upperstructure	2,740 (8'12")		Width	600 (24")	700 (28")	800 (32")	710 (28")
<b>F</b> Overall height of cab	3,100 (10'2")	<b>L</b> Overall width		3,395 (11'2")	3,495 (11'6")	3,595 (11'10")	3,505 (11'6")
<b>G</b> Min. ground clearance	660 (2'2")						
<b>H</b> Track gauge	2,790 (9'2")						

## WORKING RANGES R220LC-9A HIGH WALKER

mm (ft · in)













Boom length	5,680 (18'8")			
Arm length	2,000 (6'7")	2,400 (7'10")	2,920 (9'7")	3,900 (12'10")
<b>A</b> Max. digging reach	9,140 (29'12")	9,500 (31'2")	9,980 (32'9")	10,910 (35'10")
<b>A'</b> Max. digging reach on ground	8,920 (29'3")	9,290 (30'6")	9,820 (32'3")	10,730 (35'2")
<b>B</b> Max. digging depth	5,630 (18'6")	6,010 (19'9")	6,550 (21'6")	7,530 (24'8")
<b>B'</b> Max. digging depth (8' level)	5,390 (17'8")	5,820 (19'1")	6,380 (20'11")	7,390 (24'3")
<b>C</b> Max. vertical wall digging depth	5,090 (16'8")	5,630 (18'6")	6,100 (20'0")	7,050 (23'2")
<b>D</b> Max. digging height	9,330 (30'7")	9,530 (31'3")	9,780 (32'1")	10,300 (33'10")
<b>E</b> Max. dumping height	6,520 (21'5")	6,710 (22'0")	6,960 (22'10")	7,480 (24'6")
<b>F</b> Min. front swing radius	3,750 (12'4")	3,740 (12'3")	3,740 (12'3")	3,650 (11'12")

# Lifting Capacities











## R220LC-9A

 Rating over-front  Rating over-side or 360 degrees











Boom : 5.68 m (18' 8") / Arm : 2.0 m (6' 7") / Bucket : 0.92 m<sup>3</sup> (1.20 yd<sup>3</sup>) 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									*4010	*4010	6.65
	lb									*8840	*8840	(21.8)
6.0 m (20 ft)	kg					*4440	*4440			*4060	3040	7.78
	lb					*9790	*9790			*8950	6700	(25.5)
4.5 m (15 ft)	kg			*5730	*5730	*4860	4630			*4190	2540	8.43
	lb			*12630	*12630	*10710	10210			*9240	5600	(27.7)
3.0 m (10 ft)	kg			*7460	6840	*5610	4370	*4830	3000	4040	2310	8.74
	lb			*16450	15080	*12370	9630	*10650	6610	8910	5090	(28.7)
1.5 m (5 ft)	kg			*8990	6320	*6390	4120	5060	2890	3990	2260	8.73
	lb			*19820	13930	*14090	9080	11160	6370	8800	4980	(28.6)
Ground Line	kg			*9690	6090	*6910	3950	4980	2810	4200	2380	8.42
	lb			*21360	13430	*15230	8710	10980	6190	9260	5250	(27.6)
-1.5 m (-5 ft)	kg	*13990	12260	*9630	6070	*6990	3910			4820	2750	7.76
	lb	*30840	27030	*21230	13380	*15410	8620			10630	6060	(25.5)
-3.0 m (-10 ft)	kg	*12500	12500	*8820	6180	*6350	3990			*4850	3650	6.61
	lb	*27560	27560	*19440	13620	*14000	8800			*10690	8050	(21.7)
-4.5 m (-15 ft)	kg	*9460	*9460									
	lb	*20860	*20860									

Boom : 5.68 m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.92 m<sup>3</sup> (1.20 yd<sup>3</sup>) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach m (ft)
														
7.5 m (25 ft)	kg											*3700	3640	7.15
	lb											*8160	8020	(23.5)
6.0 m (20 ft)	kg							*4010	*4010			*3780	2760	8.20
	lb							*8840	*8840			*8330	6080	(26.9)
4.5 m (15 ft)	kg							*4490	*4490	*4230	3130	*3900	2340	8.82
	lb							*9900	*9900	*9330	6900	*8600	5160	(28.9)
3.0 m (10 ft)	kg					*6900	*6900	*5280	4400	*4560	3010	3760	2130	9.11
	lb					*15210	*15210	*11640	9700	*10050	6640	8290	4700	(29.9)
1.5 m (5 ft)	kg					*8560	6380	*6120	4130	*4970	2880	3710	2080	9.10
	lb					*18870	14070	*13490	9110	*10960	6350	8180	4590	(29.9)
Ground Line	kg			*8790	*8790	*9490	6080	*6740	3930	4950	2780	3890	2180	8.81
	lb			*19380	*19380	*20920	13400	*14860	8660	10910	6130	8580	4810	(28.9)
-1.5 m (-5 ft)	kg	*9760	*9760	*13510	12060	*9650	6000	*6960	3850			4390	2480	8.18
	lb	*21520	*21520	*29780	26590	*21270	13230	*15340	8490			9680	5470	(26.8)
-3.0 m (-10 ft)	kg	*14150	*14150	*13240	12280	*9090	6080	*6590	3900			*4700	3190	7.12
	lb	*31200	*31200	*29190	27070	*20040	13400	*14530	8600			*10360	7030	(23.4)
-4.5 m (-15 ft)	kg			*10630	*10630	*7400	6330							
	lb			*23440	*23440	*16310	13960							

Boom : 5.68 m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.92 m<sup>3</sup> (1.20 yd<sup>3</sup>) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach m (ft)
														
7.5 m (25 ft)	kg											*3360	3150	7.78
	lb											*7410	6940	(25.5)
6.0 m (20 ft)	kg									*2340	*2340	*3450	2460	8.74
	lb									*5160	*5160	*7610	5420	(28.7)
4.5 m (15 ft)	kg							*4010	*4010	*3830	3180	*3580	2100	9.32
	lb							*8840	*8840	*8440	7010	*7890	4630	(30.6)
3.0 m (10 ft)	kg			*9780	*9780	*6150	*6150	*4840	4460	*4230	3040	3440	1930	9.59
	lb			*21560	*21560	*13560	*13560	*10670	9830	*9330	6700	7580	4250	(31.5)
1.5 m (5 ft)	kg			*8810	*8810	*7960	6490	*5750	4160	*4710	2880	3390	1880	9.59
	lb			*19420	*19420	*17550	14310	*12680	9170	*10380	6350	7470	4140	(31.5)
Ground Line	kg			*9550	*9550	*9160	6090	*6490	3920	4930	2750	3520	1950	9.31
	lb			*21050	*21050	*20190	13430	*14310	8640	10870	6060	7760	4300	(30.5)
-1.5 m (-5 ft)	kg	*8810	*8810	*12610	11870	*9600	5940	*6870	3800	4860	2690	3920	2190	8.72
	lb	*19420	*19420	*27800	26170	*21160	13100	*15150	8380	10710	5930	8640	4830	(28.6)
-3.0 m (-10 ft)	kg	*12190	*12190	*13980	12040	*9320	5960	*6740	3800			*4460	2710	7.75
	lb	*26870	*26870	*30820	26540	*20550	13140	*14860	8380			*9830	5970	(25.4)
-4.5 m (-15 ft)	kg			*11860	*11860	*8120	6140					*4330	4080	6.16
	lb			*26150	*26150	*17900	13540					*9550	8990	(20.2)

- 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













## R220NLC-9A MONO BOOM

 Rating over-front  Rating over-side or 360 degrees













Boom : 5.65 m (18' 6") / Arm : 2.00 m (6' 7") / Bucket : 0.87 m<sup>3</sup> (1.14 yd<sup>3</sup>) SAE heaped / Shoe : 500 mm (20") 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									*4050	3800	6.61
	lb									*8930	8380	(21.7)
6.0 m (20 ft)	kg					*4470	4360			*4120	2800	7.75
	lb					*9850	9610			*9080	6170	(25.4)
4.5 m (15 ft)	kg			*5730	*5730	*4890	4210			*4250	2340	8.41
	lb			*12630	*12630	*10780	9280			*9370	5160	(27.6)
3.0 m (10 ft)	kg			*7480	6130	*5650	3970	*4880	2740	4350	2130	8.71
	lb			*16490	13510	*12460	8750	*10760	6040	9590	4700	(28.6)
1.5 m (5 ft)	kg			*9040	5650	*6440	3730	*5240	2640	4300	2080	8.71
	lb			*19930	12460	*14200	8220	*11550	5820	9480	4590	(28.6)
Ground Line	kg			*9780	5440	*6980	3580	*5340	2560	4540	2190	8.40
	lb			*21560	11990	*15390	7890	11770	5640	10010	4830	(27.6)
-1.5 m (-5 ft)	kg	*14220	10460	*9740	5410	*7080	3540			*4980	2530	7.73
	lb	*31350	23060	*21470	11930	*15610	7800			*10980	5580	(25.4)
-3.0 m (-10 ft)	kg	*12730	10670	*8950	5520	*6440	3620			*4950	3360	6.58
	lb	*28060	23520	*19730	12170	*14200	7980			*10910	7410	(21.6)

Boom : 5.65 m (18' 6") / Arm : 2.40 m (7' 10") / Bucket : 0.87 m<sup>3</sup> (1.14 yd<sup>3</sup>) SAE heaped / Shoe : 500 mm (20") triple grouser

Load point height m (ft)	Load radius								At max. reach					
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach	
													m (ft)	
7.5 m (25 ft)	kg											*3740	3340	7.12
	lb											*8250	7360	(23.4)
6.0 m (20 ft)	kg							*4030	*4030			*3820	2530	8.18
	lb							*8880	*8880			*8420	5580	(26.8)
4.5 m (15 ft)	kg					*6900	6220	*4510	4250	*4090	2850	*3950	2140	8.80
	lb					*15210	13710	*9940	9370	*9020	6280	*8710	4720	(28.9)
3.0 m (10 ft)	kg					*8590	5690	*5310	3990	*4600	2740	4050	1950	9.09
	lb					*18940	12540	*11710	8800	*10140	6040	8930	4300	(29.8)
1.5 m (5 ft)	kg					*9560	5410	*6160	3730	*5020	2620	4000	1910	9.08
	lb					*21080	11930	*13580	8220	*11070	5780	8820	4210	(29.8)
Ground Line	kg			*9030	*9030	*9560	5330	*6800	3550	5300	2520	4190	2000	8.79
	lb			*19910	*19910	*21080	11750	*14990	7830	11680	5560	9240	4410	(28.8)
-1.5 m (-5 ft)	kg	*9880	*9880	*13740	10260	*9750	5400	*7030	3480			*4710	2270	8.16
	lb	*21780	*21780	*30290	22620	*21500	11900	*15500	7670			*10380	5000	(26.8)
-3.0 m (-10 ft)	kg	*14280	*14280	*13430	10450	*9200	5400	*6670	3520			*4790	2920	7.09
	lb	*31480	*31480	*29610	23040	*20280	11900	*14700	7760			*10560	6440	(23.3)
-4.5 m (-15 ft)	kg			*10820	*10820	*7500	5640							
	lb			*23850	*23850	*16530	12430							

Boom : 5.65 m (18' 6") / Arm : 2.92 m (9' 7") / Bucket : 0.87 m<sup>3</sup> (1.14 yd<sup>3</sup>) SAE heaped / Shoe : 500 mm (20") triple grouser

Load point height m (ft)	Load radius								At max. reach					
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach	
													m (ft)	
7.5 m (25 ft)	kg											*3400	2880	7.76
	lb											*7500	6350	(25.5)
6.0 m (20 ft)	kg									*2180	*2180	*3500	2250	8.73
	lb									*4810	*4810	*7720	4960	(28.6)
4.5 m (15 ft)	kg							*4020	*4020	*3860	2890	*3630	1920	9.30
	lb							*8860	*8860	*8510	6370	*8000	4230	(30.5)
3.0 m (10 ft)	kg			*9690	*9690	*6140	*6140	*4860	4040	*4260	2760	3700	1760	9.58
	lb			*21360	*21360	*13540	*13540	*10710	8910	*9390	6080	8160	3880	(31.4)
1.5 m (5 ft)	kg			*9170	*9170	*7980	5780	*5790	3750	*4750	2610	3650	1710	9.57
	lb			*20220	*20220	*17590	12740	*12760	8270	*10470	5750	8050	3770	(31.4)
Ground Line	kg			*9770	*9770	*9220	5410	*6540	3540	*5170	2500	3800	1780	9.29
	lb			*21540	*21540	*20330	11930	*14420	7800	*11400	5510	8380	3920	(30.5)
-1.5 m (-5 ft)	kg	*8900	*8900	*12810	10100	*9690	5270	*6940	3430	5200	2440	4220	2000	8.71
	lb	*19620	*19620	*28240	22270	*21360	11620	*15300	7560	11460	5380	9300	4410	(28.6)
-3.0 m (-10 ft)	kg	*12300	*12300	*14180	10240	*9440	5290	*6830	3430			*4540	2480	7.73
	lb	*27120	*27120	*31260	22580	*20810	11660	*15060	7560			*10010	5470	(25.4)
-4.5 m (-15 ft)	kg			*12070	10560	*8240	5460					*4420	3730	6.14
	lb			*26610	23280	*18170	12040					*9740	8220	(20.1)











- 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.

# Lifting Capacities











## R220NLC-9A / HYDRAULIC ADJUSTABLE BOOM

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.65 m (18' 6") / Arm : 2.00 m (6' 7") / Bucket : 0.87 m<sup>3</sup> (1.14 yd<sup>3</sup>) SAE heaped / Shoe : 500 mm (20") 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)
10.5 m (35 ft)	kg									*5870	*5870	4.92
	lb									*12940	*12940	(16.1)
9.0 m (30 ft)	kg									*6770	*6770	4.30
	lb									*14930	*14930	(14.1)
7.5 m (25 ft)	kg			*6820	*6820					*5440	3930	6.48
	lb			*15040	*15040					*11990	8660	(21.3)
6.0 m (20 ft)	kg			*6920	*6920	*5980	4350			*5040	2850	7.64
	lb			*15260	*15260	*13180	9590			*11110	6280	(25.1)
4.5 m (15 ft)	kg	*11250	*11250	*7810	6730	*6250	4200			4810	2360	8.31
	lb	*24800	*24800	*17220	14840	*13780	9260			10600	5200	(27.3)
3.0 m (10 ft)	kg			*9040	6120	*6720	3950	*5460	2710	4440	2140	8.62
	lb			*19930	13490	*14820	8710	*12040	5970	9790	4720	(28.3)
1.5 m (5 ft)	kg			*9800	5620	*7070	3700	5430	2600	4390	2090	8.62
	lb			*21610	12390	*15590	8160	11970	5730	9680	4610	(28.3)
Ground Line	kg			*9580	5380	*7000	3540			*4250	2200	8.3
	lb			*21120	11860	*15430	7800			*9370	4850	(27.2)
-1.5 m (-5 ft)	kg	*10550	10360	*8460	5360	*6270	3500			*3710	2560	7.62
	lb	*23260	22840	*18650	11820	*13820	7720			*8180	5640	(25.0)
-3.0 m (10 ft)	kg			*6340	5480							
	lb			*13980	12080							

Boom : 5.65 m (18' 6") / Arm : 2.40 m (7' 10") / Bucket : 0.87 m<sup>3</sup> (1.14 yd<sup>3</sup>) SAE heaped / Shoe : 500 mm (20") 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)
9.0 m (30 ft)	kg									*5860	*5860	5.13
	lb									*12920	*12920	(16.8)
7.5 m (25 ft)	kg			*5600	*5600					*5000	3440	7.00
	lb			*12350	*12350					*11020	7580	(23.0)
6.0 m (20 ft)	kg			*6440	*6440	*5550	4420			*4680	2580	8.07
	lb			*14200	*14200	*12240	9740			*10320	5690	(26.5)
4.5 m (15 ft)	kg	*10170	*10170	*7340	6860	*5960	4250	*3490	2820	4440	2160	8.70
	lb	*22420	*22420	*16180	15120	*13140	9370	*7690	6220	9790	4760	(28.5)
3.0 m (10 ft)	kg	*14030	11450	*8630	6230	*6490	3980	*5310	2710	4130	1960	9.00
	lb	*30930	25240	*19030	13730	*14310	8770	*11710	5970	9110	4320	(29.5)
1.5 m (5 ft)	kg			*9600	5660	*6930	3710	5420	2590	4070	1910	8.99
	lb			*21160	12480	*15280	8180	11950	5710	8970	4210	(29.5)
Ground Line	kg	*9790	*9790	*9670	5360	*7000	3510	*5300	2490	*4060	2010	8.69
	lb	*21580	*21580	*21320	11820	*15430	7740	*11680	5490	*8950	4430	(28.5)
-1.5 m (-5 ft)	kg	*11850	10160	*8820	5280	*6480	3440			*3650	2300	8.05
	lb	*26120	22400	*19440	11640	*14290	7580			*8050	5070	(26.4)
-3.0 m (10 ft)	kg	*8940	*8940	*7010	5360	*5050	3490					
	lb	*19710	*19710	*15450	11820	*11130	7690					

- 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 R220LC-9A / R220NLC-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 100 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
Viscous fan clutch
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

5.68 m; 18' 8"
Arm
2.92 m; 9' 7"
Cabin ROPS (ISO 12117-2)
ROPS (Roll Over Protective Structure)
Hi-mate (Remote Management System)

## OPTIONAL EQUIPMENT R220LC-9A / R220NLC-9A

### Beacon lamp

Safety lock valve for arm cylinder
Single-acting piping kit (breaker, etc.)
Quick coupler

### Boom - R220LC-9A

5.68 m; 18' 8" - Heavy duty
8.2 m; 26' 11" - Long reach

### Boom - R220NLC-9A

5.65 m; 18' 6"
5.65 m; 18' 6" - hydraulic adjustable

### Arm - R220LC-9A

2.0 m; 6' 7"
2.4 m; 7' 10"
2.92 m; 9' 7" Heavy duty
3.9 m; 12' 10"
6.3 m; 20' 8" Long reach

### Arm - R220NLC-9A

2.0 m; 6' 7"
2.4 m; 7' 10"
2.92 m; 9' 7" - not for hydraulic adjustable boom

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

FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)

### Cabin guard front

Wire net
Fine net

### Cabin roof-steel cover

### Cabin lights

### Track shoes - R220LC-9A

Triple grousers shoe (700 mm; 28")
Triple grousers shoe (800 mm; 32")
Triple grousers shoe (900 mm; 36")
Double grousers shoe (700 mm; 28")
Full track rail guard (High walker only)

### Track shoes - R220NLC-9A

Triple grousers shoe (500 mm; 20")
Triple grousers shoe (600 mm; 25")
Triple grousers shoe (700 mm; 28")

### Additional lower frame - reinforced under cover

### Seat

Adjustable air suspension seat
Adjustable air suspension seat with heater
Mechanical suspension seat

### Pattern change valve (2 patterns)

### Air compressor

- \* 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



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