

Specifications R300LC-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)	225 HP (168 kW) / 1,900 rpm
		J1349 (net)	212 HP (158 kW) / 1,900 rpm
	DIN	6271/1 (gross)	228 PS (168 kW) / 1,900 rpm
		6271/1 (net)	215 PS (158 kW) / 1,900 rpm
Max. torque			96.8 kgf.m (700 lbf.ft) / 1,400 rpm
Bore x stroke			107 x 124 mm (4.1" x 4.88")
Piston displacement			6,700 cc (408 in³)
Batteries			2 x 12 V x 160 AH
Starting motor			24 V; 4.8 kW
Alternator			24 V; 95 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axial piston pumps
Max. flow	2 x 266 ℓ /min (70.3 US gpm / 58.5 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 ² (4,978 psi)
Travel	350 kgf/cm ² (4,978 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,404 psi)
Swing circuit	300 kgf/cm ² (4,267 psi)
Pilot circuit	40 kgf/cm ² (568 psi)
Service valve	Installed
HYDRAULIC CYLINDERS	
No. of cylinder-bore x stroke	Boom: 2-140 x 1,465 mm (5.5" x 57.7")
	Arm: 1-150 x 1,765 mm (5.9" x 69.5")
	Bucket: 1-135 x 1,185 mm (5.3" x 46.7")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	27,300 kgf (60,200 lbf)
Max. travel speed (high) / (low)	5.4 km/hr (3.4 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

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	500	132.1	110.0
Engine coolant	40	10.6	8.8
Engine oil	24	6.3	5.3
Swing device	6	1.6	1.3
Final drive (each)	8	2.1	1.8
Hydraulic system (including tank)	330	87.2	72.6
Hydraulic tank	190	50.2	41.8

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	48
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 6,250 mm (20' 6") boom, 3,050 mm (10' 0") arm, SAE heaped 1.27 m³ (1.66 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT

Upperstructure	7,040 kg (15,520 lb)
Boom (with arm cylinder)	2,670 kg (5,890 lb)
Arm (with bucket cylinder)	1,570 kg (3,460 lb)

OPERATING WEIGHT

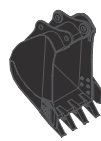
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm ² (psi)
Triple grouser	600 (24")	R300LC-9A	29,800 (65,700)	0.57 (8.11)
		R300NLC-9A	29,600 (65,260)	0.57 (8.11)
		R300LC-9A H/W	32,640 (71,960)	0.62 (8.82)
		R300LC-9A LR	32,520 (71,690)	0.62 (8.79)
	700 (28")	R300LC-9A	30,380 (66,980)	0.50 (7.11)
		R300LC-9A H/W	33,220 (73,240)	0.55 (7.82)
		R300LC-9A LR	33,100 (72,970)	0.55 (7.79)
		R300LC-9A	30,960 (68,260)	0.45 (6.40)
	800 (32")	R300LC-9A H/W	33,800 (74,520)	0.49 (6.97)
		R300LC-9A LR	33,680 (74,250)	0.49 (6.95)
	900 (36")	R300LC-9A	31,540 (69,530)	0.40 (5.69)
		R300LC-9A LR	34,260 (75,530)	0.43 (6.18)
Double grouser	700 (28")	R300LC-9A H/W	33,900 (74,740)	0.55 (7.82)

BUCKETS R300LC-9A

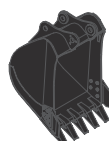
All buckets are welded with high-strength steel.



0.79 (1.03)



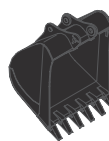
1.03 (1.35)



1.27 (1.66)

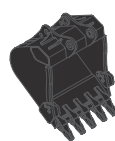
1.38 (1.8)

1.50 (1.96)

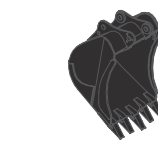


1.73 (2.26)

1.85 (2.42)



1.27 (1.66)



1.07 (1.40)

1.15 (1.50)

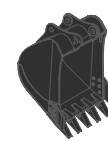
1.27 (1.66)

1.46 (1.91)



1.16 (1.52)

1.49 (1.95)



★ 0.52 (0.68)

SAE heaped m³ (yd³)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters		6.25 (20' 6") Boom				10.20 (33' 6") Boom
					2.1 (6' 11") Arm	2.5 (8' 2") Arm	3.05 (10' 0") Arm	3.75 (12' 4") Arm	7.85 (25' 9") Arm
0.79 (1.03)	0.70 (0.92)	890 (35.0)	1,010 (39.8)	790 (1,740)	●	●	●	●	–
1.03 (1.35)	0.90 (1.18)	1,090 (42.9)	1,210 (47.6)	890 (1,960)	●	●	●	●	–
1.27 (1.66)	1.10 (1.44)	1,290 (50.8)	1,410 (55.5)	1,010 (2,230)	●	●	●	■	–
1.38 (1.8)	1.20 (1.57)	1,400 (55.1)	1,520 (59.8)	1,060 (2,340)	●	●	■	▲	–
1.50 (1.96)	1.30 (1.70)	1,490 (58.7)	1,610 (63.4)	1,080 (2,380)	●	●	■	▲	–
1.73 (2.26)	1.50 (1.96)	1,700 (66.9)	1,820 (71.7)	1,170 (2,580)	■	■	▲	▲	–
1.85 (2.42)	1.60 (2.09)	1,800 (70.9)	1,920 (75.6)	1,230 (2,710)	■	▲	▲	▲	–
■ 1.27 (1.66)	1.10 (1.44)	1,310 (51.6)	1,340 (52.8)	1,300 (2,870)	●	●	■	■	–
◆ 1.07 (1.40)	0.95 (1.24)	1,150 (45.3)	-	1,120 (2,470)	●	●	●	●	–
◆ 1.15 (1.50)	1.00 (1.31)	1,210 (47.6)	-	1,160 (2,560)	●	●	●	■	–
◆ 1.27 (1.66)	1.10 (1.44)	1,310 (51.6)	-	1,240 (2,730)	●	●	■	■	–
◆ 1.46 (1.91)	1.28 (1.67)	1,460 (57.5)	-	1,320 (2,910)	■	■	■	▲	–
● 1.16 (1.52)	1.00 (1.31)	1,340 (52.8)	-	1,280 (2,820)	●	●	●	■	–
● 1.49 (1.95)	1.28 (1.67)	1,620 (63.8)	-	1,440 (3,170)	■	■	▲	▲	–
★ 0.52 (0.68)	0.45 (0.59)	935 (36.8)	1,035 (40.7)	460 (1,010)	–	–	–	–	■

■ Casting bucket

● Rock-Heavy duty bucket

◆ Heavy-duty bucket

★ Long reach 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 R300LC-9A

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

6.25m & 10.20m booms and 2.1m; 2.5m; 3.05m; 3.75m & 7.85m arms are available.

DIGGING FORCE R300LC-9A

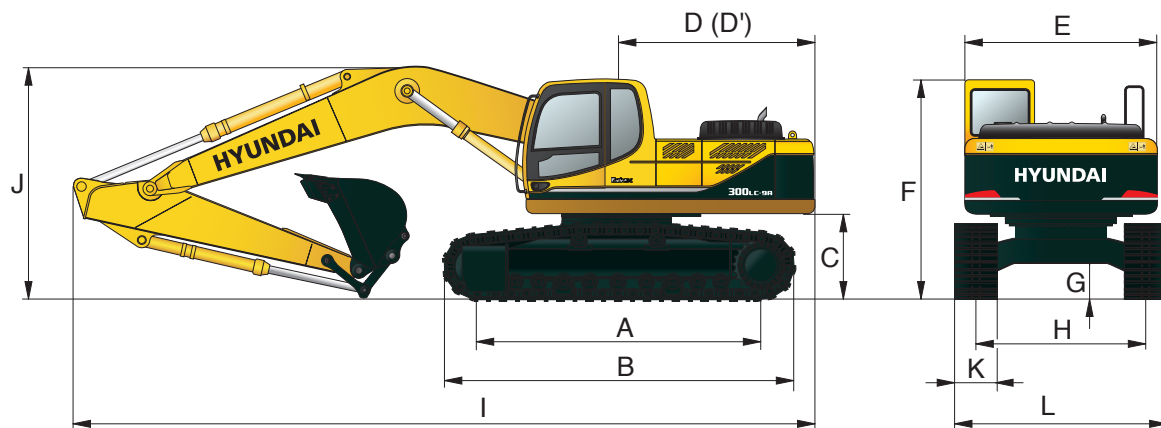
Boom	Length	mm (ft.in)	6,250 (20' 6")				10,200 (33' 6")	Remarks
	Weight	kg (lb)	2,670 (5,900)				3,420 (7,540)	
Arm	Length	mm (ft.in)	2,100 (6' 11")	2500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
	Weight	kg (lb)	1,480 (3,260)	1,460 (3,220)	1,570 (3,460)	1,710 (3,770)	1,690 (3,730)	
Bucket digging force	SAE	kN	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	70	[]: Power Boost
		kgf	17200 [18670]	17200 [18670]	17200 [18670]	17200 [18670]	7100	
		lbf	37920 [41170]	37920 [41170]	37920 [41170]	37920 [41170]	15650	
	ISO	kN	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	80	
		kgf	19600 [21280]	19600 [21280]	19600 [21280]	19600 [21280]	8200	
		lbf	43210 [46910]	43210 [46910]	43210 [46910]	43210 [46910]	18080	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1	
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800	
		lbf	40570 [44050]	35270 [38290]	29540 [32070]	25790 [28000]	10580	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148]	119.6 [129.9]	48.1	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900	
		lbf	42770 [46440]	36820 [39980]	30640 [33270]	26900 [29210]	10800	

Note: Boom weight includes arm cylinder, piping and pin

Arm weight includes bucket cylinder, linkage and pin

Dimensions & Working Ranges

DIMENSIONS R300LC-9A



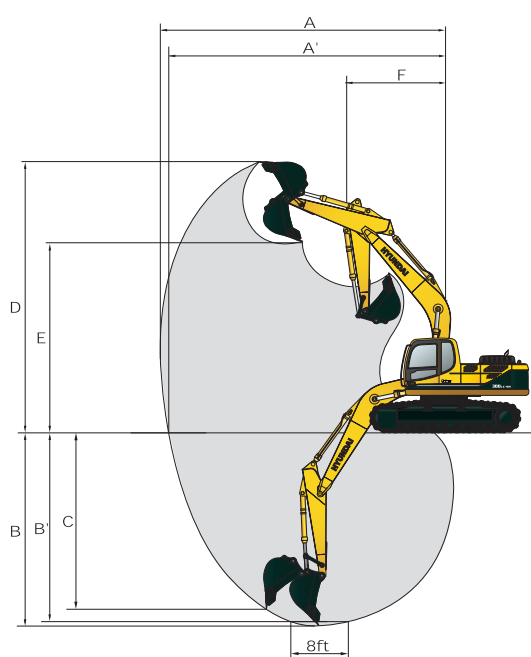
mm (ft · in)

mm (ft · in)

A Tumbler distance	4,030 (13' 3")	Boom length	6,250 (20' 6")				10,200 (33' 6")
B Overall length of crawler	4,940 (16' 2")	Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")
C Ground clearance of counterweight	1,190 (3' 11")	I Overall length	10,700 (35' 1")	10,650 (34' 11")	10,560 (34' 8")	10,630 (34' 11")	14,560 (47' 9")
D Tail swing radius	3,200 (10' 6")	J Overall height of boom	3,590 (11' 9")	3,470 (11' 5")	3,290 (10' 10")	3,500 (11' 6")	3,560 (11' 8")
D' Rear-end length	3,120 (10' 3")	K Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")	
E Overall width of upperstructure	2,980 (9' 9")	L Overall width	3,200 (10' 6")	3,300 (10' 10")	3,400 (11' 2")	3,500 (11' 6")	
F Overall height of cab	3,010 (9' 11")						
G Min. ground clearance	500 (1' 8")						
H Track gauge	2,600 (8' 6")						

WORKING RANGES R300LC-9A

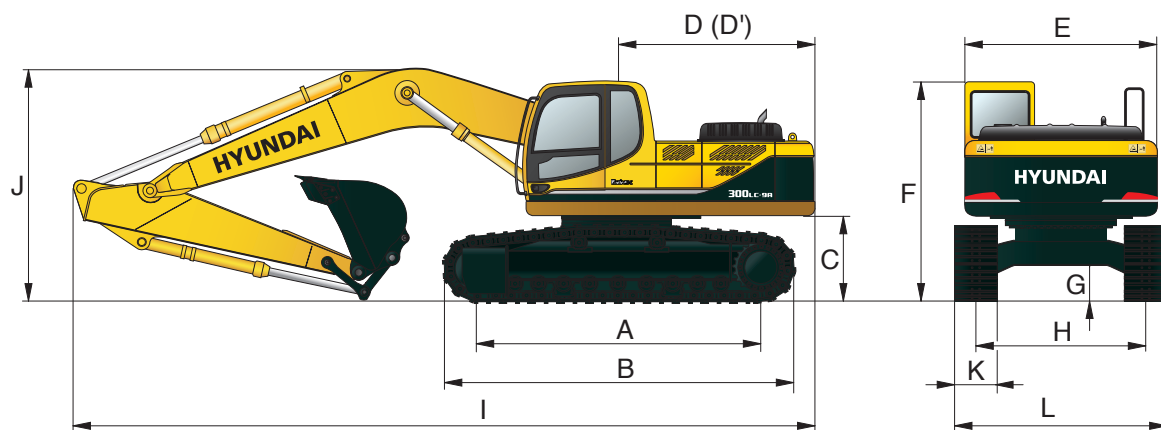
mm (ft · in)



Boom length	6,250 (20' 6")				10,200 (33' 6")
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 9")	10,820 (35' 6")	11,400 (37' 5")	18,510 (60' 9")
A' Max. digging reach on ground	9,820 (32' 3")	10,080 (33' 1")	10,620 (34' 10")	11,220 (36' 10")	18,400 (60' 4")
B Max. digging depth	6,440 (21' 2")	6,840 (22' 5")	7,390 (24' 3")	8,090 (26' 7")	14,820 (48' 7")
B' Max. digging depth (8' level)	6,240 (20' 6")	6,630 (21' 9")	7,200 (23' 7")	7,920 (25' 12")	14,690 (48' 2")
C Max. vertical wall digging depth	6,000 (19' 8")	5,850 (19' 2")	6,380 (20' 11")	7,080 (23' 3")	12,020 (39' 5")
D Max. digging height	10,070 (33' 0")	10,110 (33' 2")	10,160 (33' 4")	10,360 (33' 12")	14,500 (47' 7")
E Max. dumping height	6,940 (22' 9")	7,030 (23' 1")	7,110 (23' 4")	7,310 (23' 12")	12,190 (39' 12")
F Min. front swing radius	4,380 (14' 4")	4,260 (13' 12")	4,230 (13' 11")	4,190 (13' 9")	6,250 (20' 6")

Dimensions & Working Ranges

DIMENSIONS R300NLC-9A



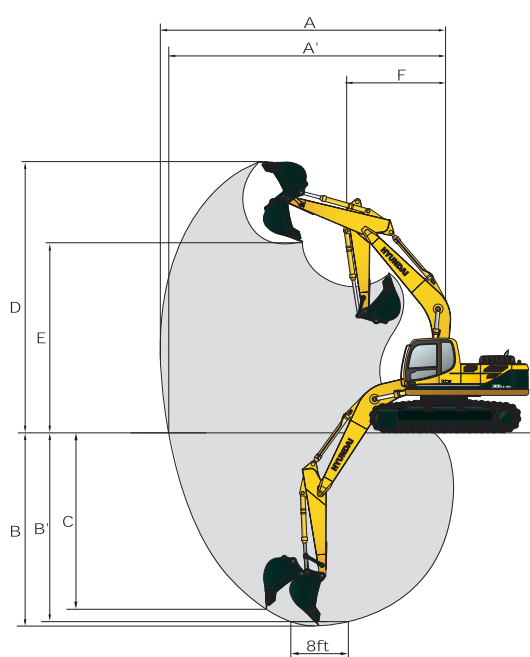
mm (ft · in)

mm (ft · in)

A Tumbler distance	4,030 (13' 3")	Boom length	6,250 (20' 6")			
B Overall length of crawler	4,940 (16' 2")	Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
C Ground clearance of counterweight	1,190 (3' 11")	I Overall length	10,700 (35' 1")	10,650 (34' 11")	10,560 (34' 8")	10,630 (34' 11")
D Tail swing radius	3,200 (10' 6")	J Overall height of boom	3,590 (11' 9")	3,470 (11' 5")	3,290 (10' 10")	3,500 (11' 6")
D' Rear-end length	3,120 (10' 3")	K Track shoe width	600 (24")			
E Overall width of upperstructure	2,980 (9' 9")	L Overall width	2,990 (9' 10")			
F Overall height of cab	3,010 (9' 11")					
G Min. ground clearance	500 (1' 8")					
H Track gauge	2,390 (7' 10")					

WORKING RANGES R300NLC-9A

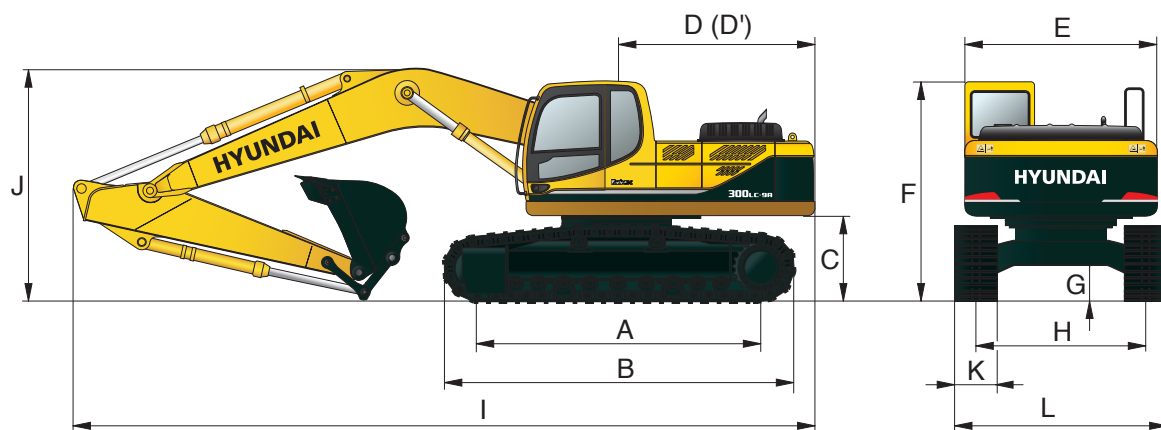
mm (ft · in)



Boom length	6,250 (20' 6")			
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 9")	10,820 (35' 6")	11,400 (37' 5")
A' Max. digging reach on ground	9,820 (32' 3")	10,080 (33' 1")	10,620 (34' 10")	11,220 (36' 10")
B Max. digging depth	6,440 (21' 2")	6,840 (22' 5")	7,390 (24' 3")	8,090 (26' 7")
B' Max. digging depth (8' level)	6,240 (20' 6")	6,630 (21' 9")	7,200 (23' 7")	7,920 (25' 12")
C Max. vertical wall digging depth	6,000 (19' 8")	5,850 (19' 2")	6,380 (20' 11")	7,080 (23' 3")
D Max. digging height	10,070 (33' 0")	10,110 (33' 2")	10,160 (33' 4")	10,360 (33' 12")
E Max. dumping height	6,940 (22' 9")	7,030 (23' 1")	7,110 (23' 4")	7,310 (23' 12")
F Min. front swing radius	4,380 (14' 4")	4,260 (13' 12")	4,230 (13' 11")	4,190 (13' 9")

Dimensions & Working Ranges

DIMENSIONS R300LC-9A HIGH WALKER



mm (ft · in)

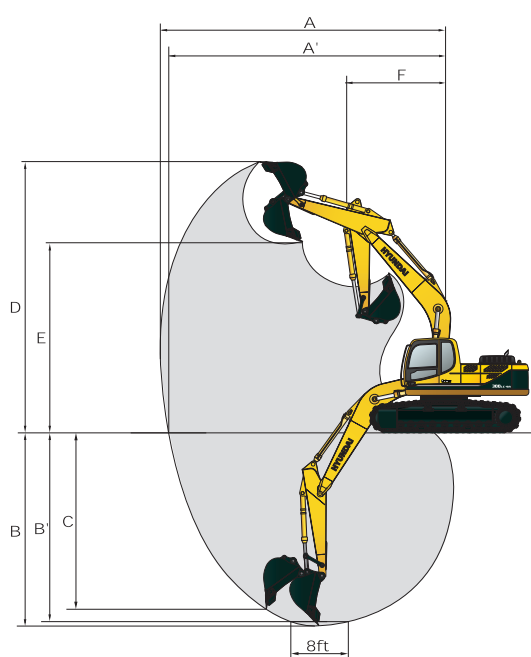
mm (ft · in)

A Tumbler distance	4,030 (13' 3")
B Overall length of crawler	4,950 (16' 3")
C Ground clearance of counterweight	1,500 (4' 11")
D Tail swing radius	3,200 (10' 6")
D' Rear-end length	3,120 (10' 3")
E Overall width of upperstructure	2,980 (9' 9")
F Overall height of cab	3,380 (11' 1")
G Min. ground clearance	765 (2' 6")
H Track gauge	2,870 (9' 5")

Boom length		6,250 (20' 6")			
Arm length		2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3750 (12' 4")
I	Overall length	10,690 (35' 1")	10,610 (34' 10")	10,430 (34' 3")	10,530 (34' 7")
J	Overall height of boom	3,740 (12' 3")	3,590 (11' 9")	3,350 (10' 12")	3,510 (11' 6")
K Track shoe width		Type Width			
		600 (24")	700 (28")	800 (32")	700 (28")
L	Overall width	3,470 (11' 5")	3,570 (11' 9")	3,670 (12' 0")	3,570 (11' 9")

WORKING RANGES R300LC-9A HIGH WALKER

mm (ft · in)



Boom length	6,250 (20' 6")			
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 9")	10,790 (35' 5")	11,400 (37' 5")
A' Max. digging reach on ground	9,750 (31' 12")	10,020 (32' 10")	10,530 (34' 7")	11,160 (36' 7")
B Max. digging depth	6,140 (20' 2")	6,540 (21' 5")	7,090 (23' 3")	7,790 (25' 7")
B' Max. digging depth (8' level)	5,930 (19' 5")	6,330 (20' 9")	6,910 (22' 8")	7,630 (25' 0")
C Max. vertical wall digging depth	5,700 (18' 8")	5,560 (18' 3")	6,090 (19' 12")	6,790 (22' 3")
D Max. digging height	10,370 (34' 0")	10,220 (33' 6")	10,440 (34' 3")	10,660 (34' 12")
E Max. dumping height	7,240 (23' 9")	7,170 (23' 6")	7,400 (24' 3")	7,610 (24' 12")
F Min. front swing radius	4,380 (14' 4")	4,260 (13' 12")	4,230 (13' 11")	4,190 (13' 9")

Lifting Capacities

R300LC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m³ (1.66 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	kg					*6200	*6200			*5710	4550	8.01
(25 ft)	lb					*13670	*13670			*12590	10030	(26.3)
6.0 m	kg					*6560	*6560	*6370	4920	*5810	3640	8.90
(20 ft)	lb					*14460	*14460	*14040	10850	*12810	8020	(29.2)
4.5 m	kg			*9620	*9620	*7590	7040	*6700	4800	5250	3170	9.42
(15 ft)	lb			*21210	*21210	*16730	15520	*14770	10580	11570	6990	(30.9)
3.0 m	kg			*12550	10150	*8910	6570	*7330	4580	4960	2960	9.64
(10 ft)	lb			*27670	22380	*19640	14480	*16160	10100	10930	6530	(31.6)
1.5 m	kg			*14540	9450	*10090	6170	7300	4370	4950	2930	9.58
(5 ft)	lb			*32060	20830	*22240	13600	16090	9630	10910	6460	(31.4)
Ground Line	kg			*15120	9240	10210	5940	7150	4230	5230	3110	9.23
	lb			*33330	20370	22510	13100	15760	9330	11530	6860	(30.3)
-1.5 m	kg	*14250	*14250	*14810	9260	10140	5880	7120	4210	5940	3560	8.57
(-5 ft)	lb	*31420	*31420	*32650	20410	22350	12960	15700	9280	13100	7850	(28.1)
-3.0 m	kg	*18890	*18890	*13670	9440	*10170	5980			*6670	4570	7.47
(-10 ft)	lb	*41650	*41650	*30140	20810	*22420	13180			*14700	10080	(24.5)
-4.5 m	kg	*15250	*15250	*11130	9840							
(-15 ft)	lb	*33620	*33620	*24540	21690							

Boom : 6.25 m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m³ (1.66 yd³) 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)		Reach
												m (ft)
7.5 m	kg											*5240
(25 ft)	lb											*11550
6.0 m	kg									*5870	5000	*5400
(20 ft)	lb									*12940	11020	*11900
4.5 m	kg					*8760	*8760	*7090	*7090	*6310	4840	5010
(15 ft)	lb					*19310	*19310	*15630	*15630	*13910	10670	11050
3.0 m	kg					*11680	10360	*8460	6630	*7000	4600	4730
(10 ft)	lb					*25750	22840	*18650	14620	*15430	10140	10430
1.5 m	kg					*13960	9530	*9730	6190	7300	4370	4710
(5 ft)	lb					*30780	21010	*21450	13650	16090	9630	10380
Ground Line	kg					*14930	9190	10190	5910	7110	4200	4940
	lb					*32910	20260	22470	13030	15670	9260	10890
-1.5 m	kg			*15220	*15220	*14910	9140	10060	5810	7040	4130	5550
(-5 ft)	lb			*33550	*33550	*32870	20150	22180	12810	15520	9110	12240
-3.0 m	kg	*17240	*17240	*20000	19540	*14040	9270	10130	5860			*6780
(-10 ft)	lb	*38010	*38010	*44090	43080	*30950	20440	22330	12920			*14950
-4.5 m	kg			*16720	*16720	*11970	9610					
(-15 ft)	lb			*36860	*36860	*26390	21190					

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) 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)		Reach
												m (ft)
7.5 m	kg											*4780
(25 ft)	lb											*10540
6.0 m	kg									*5270	5100	*4940
(20 ft)	lb									*11620	11240	*10890
4.5 m	kg							*6380	*6380	*5780	4890	4580
(15 ft)	lb							*14070	*14070	*12740	10780	10100
3.0 m	kg			*10490	*10490	*10510	*10510	*7800	6710	*6530	4620	4330
(10 ft)	lb			*23130	*23130	*23170	*23170	*17200	14790	*14400	10190	*9740
1.5 m	kg					*13100	9660	*9190	6220	7300	4350	*5230
(5 ft)	lb					*28880	21300	*20260	13710	16090	9590	*11530
Ground Line	kg			*10140	*10140	*14530	9160	10150	5880	7070	4150	*4600
	lb			*22350	*22350	*32030	20190	22380	12960	15590	9150	*10140
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	9010	9970	5710	6950	4040	4950
(-5 ft)	lb	*24230	*24230	*31420	*31420	*32830	19860	21980	12590	15320	8910	10910
-3.0 m	kg	*14880	*14880	*19250	19100	*14380	9070	9960	5710	6970	4060	5960
(-10 ft)	lb	*32800	*32800	*42440	42110	*31700	20000	21960	12590	15370	8950	13140
-4.5 m	kg	*19470	*19470	*18400	*18400	*12820	9320	*9370	5890			*6400
(-15 ft)	lb	*42920	*42920	*40570	*40570	*28260	20550	*20660	12990			*14110

- 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

R300LC-9A

 Rating over-front  Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach	
																m (ft)	
7.5 m	kg														*4230	3250	9.67
(25 ft)	lb														*9330	7170	(31.7)
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2710	10.40	
(20 ft)	lb									*9850	*9850	*5600	*5600	*9700	5970	(34.1)	
4.5 m	kg									*5050	4990	*3970	3480	4100	2400	10.83	
(15 ft)	lb									*11130	11000	*8750	7670	9040	5290	(35.5)	
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	*6870	*5870	4690	*5060	3330	3890	2230	11.02	
(10 ft)	lb			*31810	*31810	*19640	*19640	*15150	*15150	*12940	10340	*11160	7340	8580	4920	(36.2)	
1.5 m	kg			*10550	*10550	*11820	9980	*8410	6340	*6760	4390	5380	3160	3850	2180	10.97	
(5 ft)	lb			*23260	*23260	*26060	22000	*18540	13980	*14900	9680	11860	6970	8490	4810	(36.0)	
Ground Line	kg	*6830	*6830	*10900	*10900	*13790	9270	*9670	5910	7060	4140	5220	3020	3980	2260	10.68	
	lb	*15060	*15060	*24030	*24030	*30400	20440	*21320	13030	15560	9130	11510	6660	8770	4980	(35.0)	
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	8950	9930	5670	6880	3970	5130	2940	4340	2480	10.12	
(-5 ft)	lb	*21720	*21720	*29810	*29810	*32360	19730	21890	12500	15170	8750	11310	6480	9570	5470	(33.2)	
-3.0 m	kg	*13010	*13010	*17210	*17210	*14640	8900	9830	5590	6830	3920			5070	2950	9.25	
(-10 ft)	lb	*28680	*28680	*37940	*37940	*32280	19620	21670	12320	15060	8640			11180	6500	(30.3)	
-4.5 m	kg	*16680	*16680	*20250	19120	*13660	9050	9930	5670					*6200	3950	7.92	
(-15 ft)	lb	*36770	*36770	*44640	42150	*30120	19950	21890	12500					*13670	8710	(26.0)	

R300NLC-9A

 Rating over-front  Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 2.10 m (6' 11") / Bucket : 1.27 m³ (1.66 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	kg					*6200	*6200			*5710	4110	8.01
(25 ft)	lb					*13670	*13670			*12590	9060	(26.3)
6.0 m	kg					*6560	*6560	*6370	4450	*5810	3270	8.90
(20 ft)	lb					*14460	*14460	*14040	9810	*12810	7210	(29.2)
4.5 m	kg			*9620	*9620	*7590	6360	*6700	4320	5220	2830	9.42
(15 ft)	lb			*21210	*21210	*16730	14020	*14770	9520	11510	6240	(30.9)
3.0 m	kg			*12550	9050	*8910	5900	*7330	4110	4930	2630	9.64
(10 ft)	lb			*27670	19950	*19640	13010	*16160	9060	10870	5800	(31.6)
1.5 m	kg			*14540	8370	*10090	5510	7260	3900	4920	2600	9.58
(5 ft)	lb			*32060	18450	*22240	12150	16010	8600	10850	5730	(31.4)
Ground Line	kg			*15120	8170	10150	5290	7110	3770	5200	2760	9.23
	lb			*33330	18010	22380	11660	15670	8310	11460	6080	(30.3)
-1.5 m	kg	*14250	*14250	*14810	8190	10080	5230	7080	3740	5900	3170	8.57
(-5 ft)	lb	*31420	*31420	*32650	18060	22220	11530	15610	8250	13010	6990	(28.1)
-3.0 m	kg	*18890	17220	*13670	8360	*10170	5330			*6670	4100	7.47
(-10 ft)	lb	*41650	37960	*30140	18430	*22420	11750			*14700	9040	(24.5)
-4.5 m	kg	*15250	*15250	*11130	8750							
(-15 ft)	lb	*33620	*33620	*24540	19290							

Boom : 6.25 m (20' 6") / Arm : 2.50 m (8' 2") / Bucket : 1.27 m³ (1.66 yd³) 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	kg											*5240	3870	8.34
(25 ft)	lb											*11550	8530	(27.4)
6.0 m	kg									*5870	4520	*5400	3100	9.19
(20 ft)	lb									*12940	9960	*11900	6830	(30.2)
4.5 m	kg					*8760	*8760	*7090	6450	*6310	4360	4990	2690	9.69
(15 ft)	lb					*19310	*19310	*15630	14220	*13910	9610	11000	5930	(31.8)
3.0 m	kg					*11680	9250	*8460	5960	*7000	4130	4710	2490	9.90
(10 ft)	lb					*25750	20390	*18650	13140	*15430	9110	10380	5490	(32.5)
1.5 m	kg					*13960	8440	*9730	5530	7260	3900	4680	2450	9.84
(5 ft)	lb					*30780	18610	*21450	12190	16010	8600	10320	5400	(32.3)
Ground Line	kg					*14930	8120	10130	5260	7080	3730	4920	2580	9.51
	lb					*32910	17900	22330	11600	15610	8220	10850	5690	(31.2)
-1.5 m	kg			*15220	*15220	*14910	8070	10010	5160	7000	3670	5520	2930	8.87
(-5 ft)	lb			*33550	*33550	*32870	17790	22070	11380	15430	8090	12170	6460	(29.1)
-3.0 m	kg	*17240	*17240	*20000	16870	*14040	8200	10070	5210			*6780	3700	7.82
(-10 ft)	lb	*38010	*38010	*44090	37190	*30950	18080	22200	11490			*14950	8160	(25.7)
-4.5 m	kg			*16720	*16720	*11970	8530							
(-15 ft)	lb			*36860	*36860	*26390	18810							

- 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

R300NLC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*4780	3400	8.94
(25 ft)	lb													*10540	7500	(29.3)
6.0 m	kg									*5270	4610			*4940	2770	9.74
(20 ft)	lb									*11620	10160			*10890	6110	(32.0)
4.5 m	kg							*6380	*6380	*5780	4410			4550	2420	10.20
(15 ft)	lb							*14070	*14070	*12740	9720			10030	5340	(33.5)
3.0 m	kg			*10490	*10490	*10510	9510	*7800	6040	*6530	4150	*4420	2940	4310	2240	10.40
(10 ft)	lb			*23130	*23130	*23170	20970	*17200	13320	*14400	9150	*9740	6480	9500	4940	(34.1)
1.5 m	kg					*13100	8570	*9190	5560	7260	3880	*5230	2810	4270	2190	10.35
(5 ft)	lb					*28880	18890	*20260	12260	16010	8550	*11530	6190	9410	4830	(34.0)
Ground Line	kg			*10140	*10140	*14530	8090	10100	5220	7030	3680	*4600	2710	4450	2290	10.04
	lb			*22350	*22350	*32030	17840	22270	11510	15500	8110	*10140	5970	9810	5050	(32.9)
-1.5 m	kg	*10990	*10990	*14250	*14250	*14890	7940	9910	5060	6910	3580			4920	2560	9.44
(-5 ft)	lb	*24230	*24230	*31420	*31420	*32830	17500	21850	11160	15230	7890			10850	5640	(31.0)
-3.0 m	kg	*14880	*14880	*19250	16450	*14380	8000	9910	5060	6930	3590			5920	3140	8.48
(-10 ft)	lb	*32800	*32800	*42440	36270	*31700	17640	21850	11160	15280	7910			13050	6920	(27.8)
-4.5 m	kg	*19470	*19470	*18400	16950	*12820	8240	*9370	5240					*6400	4520	6.97
(-15 ft)	lb	*42920	*42920	*40570	37370	*28260	18170	*20660	11550					*14110	9960	(22.9)

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach	
																	
7.5 m	kg														*4230	2920	9.67
(25 ft)	lb														*9330	6440	(31.7)
6.0 m	kg									*4470	*4470	*2540	*2540	*4400	2410	10.40	
(20 ft)	lb									*9850	*9850	*5600	*5600	*9700	5310	(34.1)	
4.5 m	kg									*5050	4500	*3970	3120	4080	2110	10.83	
(15 ft)	lb									*11130	9920	*8750	6880	8990	4650	(35.5)	
3.0 m	kg			*14430	*14430	*8910	*8910	*6870	6210	*5870	4210	*5060	2960	3870	1950	11.02	
(10 ft)	lb			*31810	*31810	*19640	*19640	*15150	13690	*12940	9280	*11160	6530	8530	4300	(36.2)	
1.5 m	kg			*10550	*10550	*11820	8870	*8410	5670	*6760	3910	5350	2800	3820	1910	10.97	
(5 ft)	lb			*23260	*23260	*26060	19550	*18540	12500	*14900	8620	11790	6170	8420	4210	(36.0)	
Ground Line	kg	*6830	*6830	*10900	*10900	*13790	8190	*9670	5260	7020	3670	5190	2660	3960	1970	10.68	
	lb	*15060	*15060	*24030	*24030	*30400	18060	*21320	11600	15480	8090	11440	5860	8730	4340	(35.0)	
-1.5 m	kg	*9850	*9850	*13520	*13520	*14680	7880	9870	5010	6850	3510	5100	2580	4310	2170	10.12	
(-5 ft)	lb	*21720	*21720	*29810	*29810	*32360	17370	21760	11050	15100	7740	11240	5690	9500	4780	(33.2)	
-3.0 m	kg	*13010	*13010	*17210	16070	*14640	7830	9780	4940	6790	3460			5040	2600	9.25	
(-10 ft)	lb	*28680	*28680	*37940	35430	*32280	17260	21560	10890	14970	7630			11110	5730	(30.3)	
-4.5 m	kg	*16680	*16680	*20250	16460	*13660	7980	9880	5020					*6200	3520	7.92	
(-15 ft)	lb	*36770	*36770	*44640	36290	*30120	17590	21780	11070					*13670	7760	(26.0)	

- 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

R300LC-9A HIGH WALKER

Rating over-front Rating over-side or 360 degrees

Boom : 6.25 m (20' 6") / Arm : 3.05 m (10' 0") / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*3560	*3560			*4810	4650	9.12
(25 ft)	lb									*7850	*7850			*10600	10250	(29.9)
6.0 m	kg									*5340	*5340			*4970	3950	9.85
(20 ft)	lb									*11770	*11770			*10960	8710	(32.3)
4.5 m	kg							*6630	*6630	*5910	*5910	*3130	*3130	*5180	3570	10.26
(15 ft)	lb							*14620	*14620	*13030	*13030	*6900	*6900	*11420	7870	(33.7)
3.0 m	kg					*11060	*11060	*8070	*8070	*6680	5910	*4640	4330	5050	3390	10.41
(10 ft)	lb					*24380	*24380	*17790	*17790	*14730	13030	*10230	9550	11130	7470	(34.2)
1.5 m	kg			*7260	*7260	*13460	12470	*9420	7980	*7460	5640	*5260	4190	5070	3380	10.31
(5 ft)	lb			*16010	*16010	*29670	27490	*20770	17590	*16450	12430	*11600	9240	11180	7450	(33.8)
Ground Line	kg			*10880	*10880	*14670	12030	*10360	7670	*8040	5450			5330	3560	9.95
	lb			*23990	*23990	*32340	26520	*22840	16910	*17730	12020			11750	7850	(32.6)
-1.5 m	kg	*11690	*11690	*15110	*15110	*14860	11910	*10720	7530	8080	5360			5950	3990	9.29
(-5 ft)	lb	*25770	*25770	*33310	*33310	*32760	26260	*23630	16600	17810	11820			13120	8800	(30.5)
-3.0 m	kg	*15680	*15680	*20360	*20360	*14180	12010	*10400	7560	*7880	5410			*6450	4900	8.24
(-10 ft)	lb	*34570	*34570	*44890	*44890	*31260	26480	*22930	16670	*17370	11930			*14220	10800	(27.0)
-4.5 m	kg	*20460	*20460	*17650	*17650	*12350	12330	*8950	7790							
(-15 ft)	lb	*45110	*45110	*38910	*38910	*27230	27180	*19730	17170							

Boom : 6.25 m (20' 6") / Arm : 3.75 m (12' 4") / Bucket : 1.27 m³ (1.66 yd³) 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)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m (25 ft)	kg lb													*4260 *9390	4070 8970	9.83 (32.3)
6.0 m (20 ft)	kg lb									*4560 *10050	*4560 *10050	*2880 *6350	*2880 *6350	*4430 *9770	3500 7720	10.50 (34.4)
4.5 m (15 ft)	kg lb									*5200 *11460	*5200 *11460	*4190 *9240	*4190 *9240	*4640 *10230	3180 7010	10.89 (35.7)
3.0 m (10 ft)	kg lb			*15960 *35190	*15960 *35190	*9500 *20940	*9500 *20940	*7170 *15810	*7170 *15810	*6040 *13320	5980 13180	*5270 *11620	4350 9590	4560 10050	3020 6660	11.03 (36.2)
1.5 m (5 ft)	kg lb			*10240 *22580	*10240 *22580	*12280 *27070	*12280 *27070	*8680 *19140	8090 17840	*6920 *15260	5670 12500	*5940 *13100	4180 9220	4560 10050	3010 6640	10.93 (35.9)
Ground Line	kg lb	*7420 *16360	*7420 *16360	*11300 *24910	*11300 *24910	*14040 *30950	12100 26680	*9850 *21720	7690 16950	*7660 *16890	5430 11970	6100 13450	4040 8910	4760 10490	3140 6920	10.59 (34.7)
-1.5 m (-5 ft)	kg lb	*10420 *22970	*10420 *22970	*14140 *31170	*14140 *31170	*14740 *32500	11840 26100	*10500 *23150	7470 16740	8000 17640	5290 11660	*5080 *11200	3970 8750	5230 11530	3460 7630	9.98 (32.7)
-3.0 m (-10 ft)	kg lb	*13660 *30120	*13660 *30120	*18040 *39770	*18040 *39770	*14540 *32060	11830 26080	*10540 *23240	7420 16360	7970 17570	5260 11600			*6020 *13270	4120 9080	9.03 (29.6)
-4.5 m (-15 ft)	kg lb	*17460 *38490	*17460 *38490	*19680 *43390	*19680 *43390	*13340 *29410	12030 26520	*9740 *21470	7540 16620					*6220 *13710	5580 12300	7.60 (24.9)

- 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

R300LC-9A LONG REACH

Rating over-front Rating over-side or 360 degrees

Boom : 10.2 m (33' 6") / Arm : 7.85 m (25' 9") / Bucket : 0.52 m³ (0.68 yd³) SAE heaped / Shoe : 800 mm (32") triple grouser

Load point height m (ft)		Load radius														At max. reach			
		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12.0 m (40 ft)		13.5 m (45 ft)		15.0 m (50 ft)		Capacity		Reach	
																		m (ft)	
13.5 m	kg																*1820	*1820	14.13
(45 ft)	lb																*4010	*4010	(46.4)
12.0 m	kg																*1840	*1840	15.27
(40 ft)	lb																*4060	*4060	(50.1)
10.5 m	kg													*1100	*1100		*1870	1830	16.18
(35 ft)	lb													*2430	*2430		*4120	4030	(53.1)
9.0 m	kg													*1560	*1560		*1920	1600	16.89
(30 ft)	lb													*3440	*3440		*4230	3530	(55.4)
7.5 m	kg																*1870	*1870	17.44
(25 ft)	lb													*1940	*1940		*4280	*4280	(57.2)
6.0 m	kg																*4120	*4120	(57.2)
(20 ft)	lb													*2090	*2090		*2060	2020	17.83
4.5 m	kg																*2060	*2060	(58.5)
(15 ft)	lb													*4610	*4610		*4540	4450	(58.5)
3.0 m	kg																*4450	*4450	(59.3)
(10 ft)	lb																*2190	1930	18.08
1.5 m	kg																*2090	*2090	(59.3)
(5 ft)	lb																*4830	4250	(59.3)
Ground Line	kg																		
	lb																		
-1.5 m	kg																		
(-5 ft)	lb																		
-3.0 m	kg																		
(-10 ft)	lb																		
-4.5 m	kg																		
(-15 ft)	lb																		
-6.0 m	kg																		
(-20 ft)	lb																		
-7.5 m	kg																		
(-25 ft)	lb																		
-9.0 m	kg																		
(-30 ft)	lb																		
-10.5 m	kg																		
(-35 ft)	lb																		
-12.0 m	kg																		
(-40 ft)	lb																		
-13.5 m	kg																		
(-45 ft)	lb																		

- 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 R300LC-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 frontal working lights

Electric horn

Batteries (2 x 12V x 160 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

6.25 m; 20' 6"

Arm

3.05 m; 10' 0"

Cabin ROPS (ISO 12117-2)

ROPS (Roll Over Protective Structure)

Hi-mate (Remote Management System)

OPTIONAL EQUIPMENT R300LC-9A

Beacon lamp

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Quick coupler

Booms

6.25 m; 20' 6" Heavy Duty

10.2 m; 33' 6" Long reach

Arms

2.1 m; 6' 11"

2.5 m; 8' 2"

3.75 m; 12' 4"

3.05 m; 10' 0" Heavy Duty

7.85 m; 25' 9" Long reach

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

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cover

Cabin lights

Track shoes

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

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)

* 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

