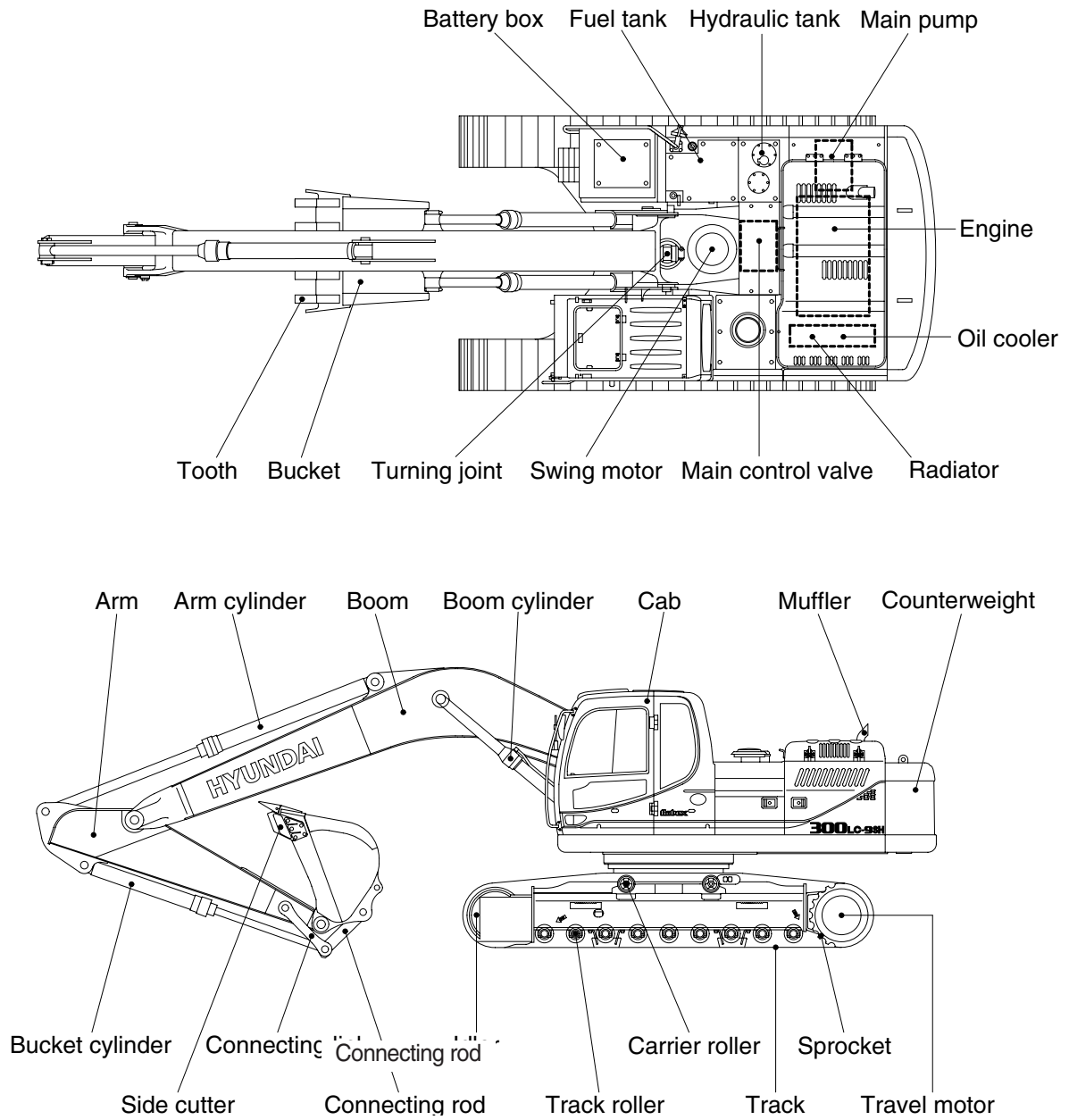


# GROUP 2 SPECIFICATIONS

## 1. MAJOR COMPONENT

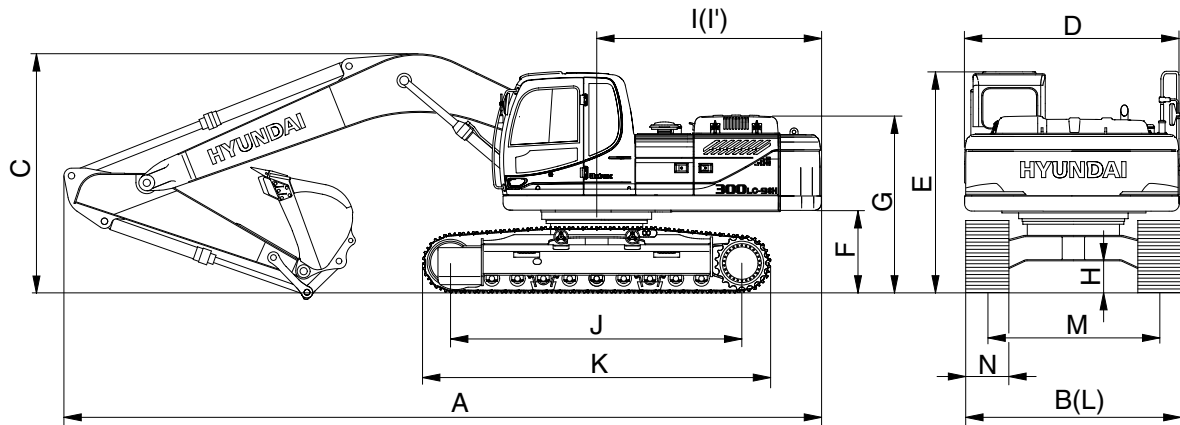


3009SH2SP01

## 2. SPECIFICATIONS

### 1) R300LC-9SH

- 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM

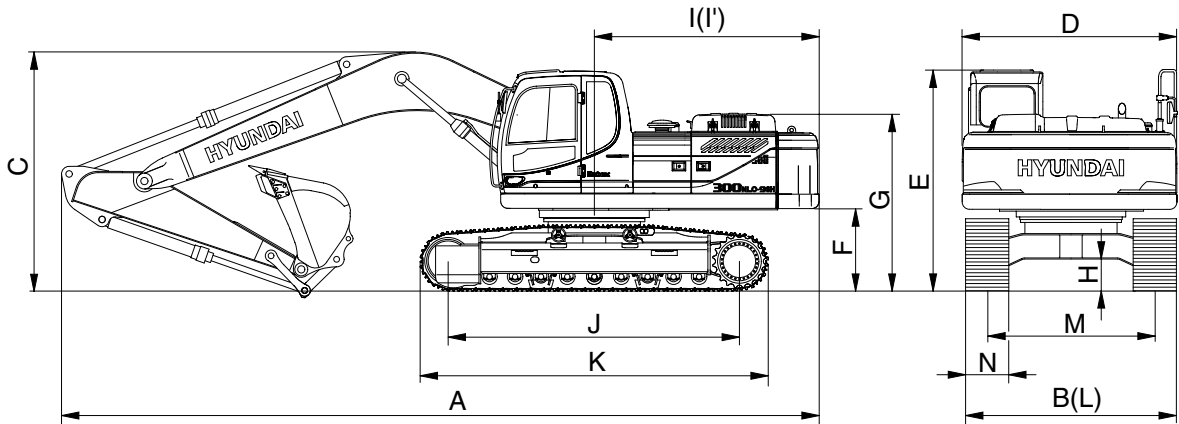


3009SH2SP02

Description		Unit	Specification
Operating weight		kg (lb)	29900 (65920)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )	1.27 (1.66)
Overall length	A	mm (ft-in)	10705 (35' 1")
Overall width, with 600mm shoe	B		3200 (10' 6")
Overall height	C		3290 (10' 10")
Superstructure width	D		2980 ( 9' 9")
Overall height of cab	E		3010 ( 9' 11")
Ground clearance of counterweight	F		1190 ( 3' 11")
Engine cover height	G		3190 (10' 6")
Minimum ground clearance	H		500 ( 1' 8")
Rear-end distance	I		3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")
Distance between tumbler	J		4030 (13' 3")
Undercarriage length	K		4940 (16' 2")
Undercarriage width	L		3200 (10' 6")
Track gauge	M		2600 ( 8' 6")
Track shoe width, standard	N		600 (24")
Travel speed (low/high)			km/hr (mph)
Swing speed		rpm	11.5
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm <sup>2</sup> (psi)	0.57 (8.11)
Max traction force		kg (lb)	27300 (60200)

## 2) R300NLC-9SH

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM

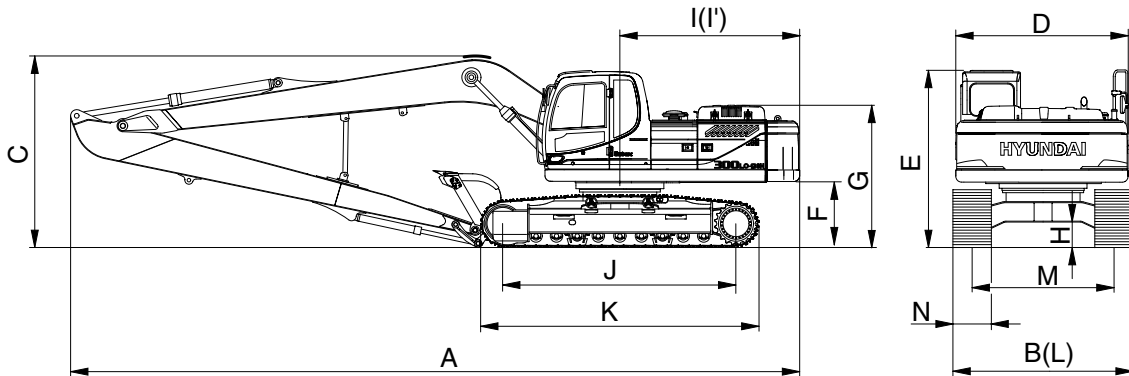


3009SH2SP03

Description		Unit	Specification
Operating weight		kg (lb)	29700 (64480)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )	1.27 (1.66)
Overall length	A	mm (ft-in)	10705 (35' 1")
Overall width, with 600mm shoe	B		2990 ( 9' 10")
Overall height	C		3290 (10' 10")
Superstructure width	D		2980 ( 9' 9")
Overall height of cab	E		3010 ( 9' 11")
Ground clearance of counterweight	F		1190 ( 3' 11")
Engine cover height	G		3190 (10' 6")
Minimum ground clearance	H		500 ( 1' 8")
Rear-end distance	I		3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4940 (16' 2")
Undercarriage width	L		2990 ( 9' 10")
Track gauge	M		2390 ( 7' 10")
Track shoe width, standard	N		600 (24")
Travel speed (low/high)		km/hr (mph)	3.4/5.9 (2.1/3.7)
Swing speed		rpm	11.5
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm <sup>2</sup> (psi)	0.57 (8.11)
Max traction force		kg (lb)	27300 (60200)

### 3) R300LC-9SH LONG REACH

· 10.2 m (33' 6") BOOM and 7.85 m (25' 9") ARM

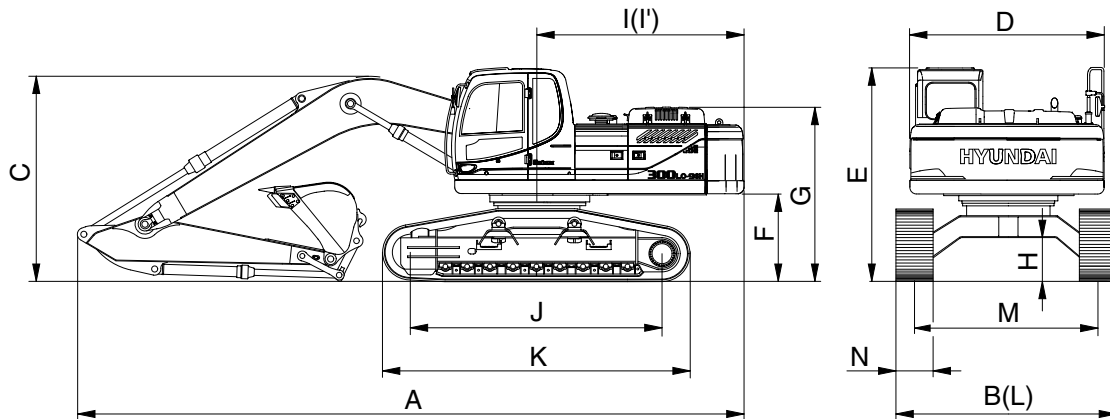


3009SH2SP04

Description		Unit	Specification
Operating weight		kg (lb)	33780 (74470)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )	0.52 (0.68)
Overall length	A	mm (ft-in)	14695 (48' 3")
Overall width, with 800 mm shoe	B		3400 (11' 2")
Overall height	C		3550 (11' 8")
Superstructure width	D		2980 ( 9' 9")
Overall height of cab	E		3010 ( 9' 11")
Ground clearance of counterweight	F		1190 ( 3' 11")
Engine cover height	G		3190 (10' 6")
Minimum ground clearance	H		500 ( 1' 8")
Rear-end distance	I		3265 (10' 9")
Rear-end swing radius	I'		3145 (11' 0")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4940 (16' 2")
Undercarriage width	L		3400 (11' 2")
Track gauge	M		2600 ( 8' 6")
Track shoe width, standard	N		800 (32")
Travel speed (low/high)			km/hr (mph)
Swing speed		rpm	11.5
Gradeability		Degree (%)	35 (70)
Ground pressure (800 mm shoe)		kgf/cm <sup>2</sup> (psi)	0.49 (6.97)
Max traction force		kg (lb)	27300 (60200)

#### 4) R300LC-9SH HIGH WALKER

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM



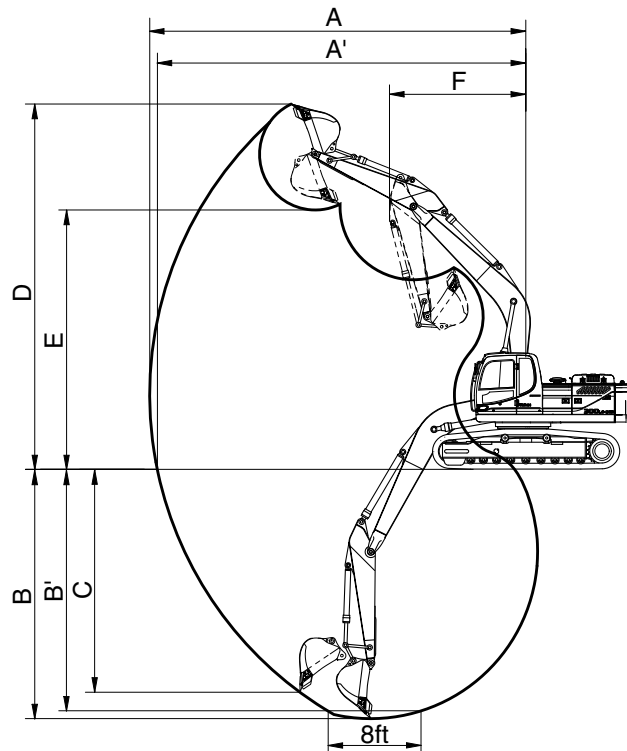
3009SH2SP05

Description		Unit	Specification
Operating weight		kg (lb)	32740 (72180)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )	1.27 (1.66)
Overall length	A	mm (ft-in)	10575 ( 34' 8")
Overall width, with 600 mm shoe	B		3470 ( 11' 5")
Overall height	C		3350 ( 11' 0")
Superstructure width	D		2980 ( 9' 9")
Overall height of cab	E		3380 ( 11' 1")
Ground clearance of counterweight	F		1500 ( 4' 11")
Engine cover height	G		3500 (11' 6")
Minimum ground clearance	H		765 ( 2' 6")
Rear-end distance	I		3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4950 (16' 3")
Undercarriage width	L		3470 (11' 5")
Track gauge	M		2870 ( 9' 5")
Track shoe width, standard	N		600 (24")
Travel speed (low/high)		km/hr (mph)	3.4/5.9 (2.1/3.7)
Swing speed		rpm	11.5
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm <sup>2</sup> (psi)	0.63 (8.96)
Max traction force		kg (lb)	27300 (60200)

### 3. WORKING RANGE

#### 1) R300LC-9SH, R300NLC-9SH

· 6.25 m (20' 6") BOOM



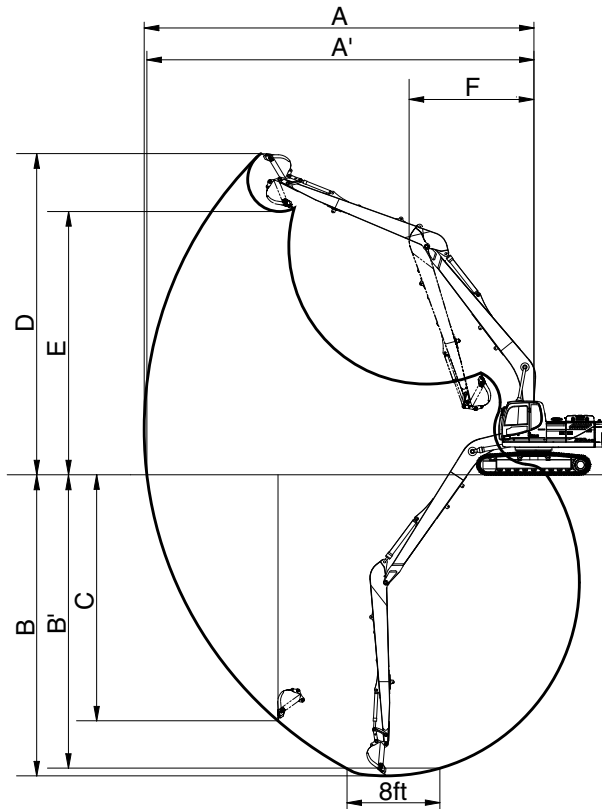
3009SH2SP06

Description		2.10m (6' 11") Arm	2.50 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm
Max digging reach	A	10020 mm (32' 10")	10280 mm (33' 7")	10820 mm (35' 6")	11400 mm (37' 5")
Max digging reach on ground	A'	9820 mm (32' 3")	10080 mm (33' 1")	10620 mm (34' 10")	11220 mm (36' 10")
Max digging depth	B	6440 mm (21' 1")	6840 mm (22' 5")	7390 mm (24' 3")	8090 mm (26' 7")
Max digging depth (8 ft level)	B'	6240 mm (20' 6")	6630 mm (21' 9")	7300 mm (23' 11")	7920 mm (26' 0")
Max vertical wall digging depth	C	6000 mm (19' 8")	5850 mm (19' 2")	6380 mm (20' 11")	7080 mm (23' 3")
Max digging height	D	10070 mm (33' 0")	10110 mm (33' 2")	10160 mm (33' 4")	10360 mm (34' 0")
Max dumping height	E	6940 mm (22' 9")	7030 mm (23' 1")	7110 mm (23' 4")	7310 mm (24' 0")
Min swing radius	F	4380 mm (14' 4")	4260 mm (14' 0")	4230 mm (13' 11")	4140 mm (13' 7")
Bucket digging force	SAE	168.7 [184] kN	168.7 [184] kN	168.7 [184] kN	168.7 [184] kN
		17200 [18760] kgf	17200 [18760] kgf	17200 [18760] kgf	17200 [18760] kgf
		37920 [41370] lbf	37920 [41370] lbf	37920 [41370] lbf	37920 [41370] lbf
	ISO	192.2 [209.7] kN	192.2 [209.7] kN	192.2 [209.7] kN	192.2 [209.7] kN
		19600 [21380] kgf	19600 [21380] kgf	19600 [21380] kgf	19600 [21380] kgf
Arm digging force	SAE	180.4 [195.9] kN	156.9 [170.4] kN	131.4 [142.7] kN	114.7 [124.6] kN
		18400 [19980] kgf	16000 [17370] kgf	13400 [14550] kgf	11700 [12700] kgf
		40570 [44050] lbf	35270 [38290] lbf	29540 [32070] lbf	25790 [28000] lbf
	ISO	190.3 [206.6] kN	163.8 [177.8] kN	136.3 [148] kN	119.6 [129.9] kN
		19400 [21060] kgf	16700 [18130] kgf	13900 [15090] kgf	12200 [13250] kgf
		42770 [46440] lbf	36820 [39980] lbf	30640 [33270] lbf	26900 [29210] lbf

[ ] : Power boost

## 2) R300LC-9SH LONG REACH

· 10.2 m (33' 6") BOOM

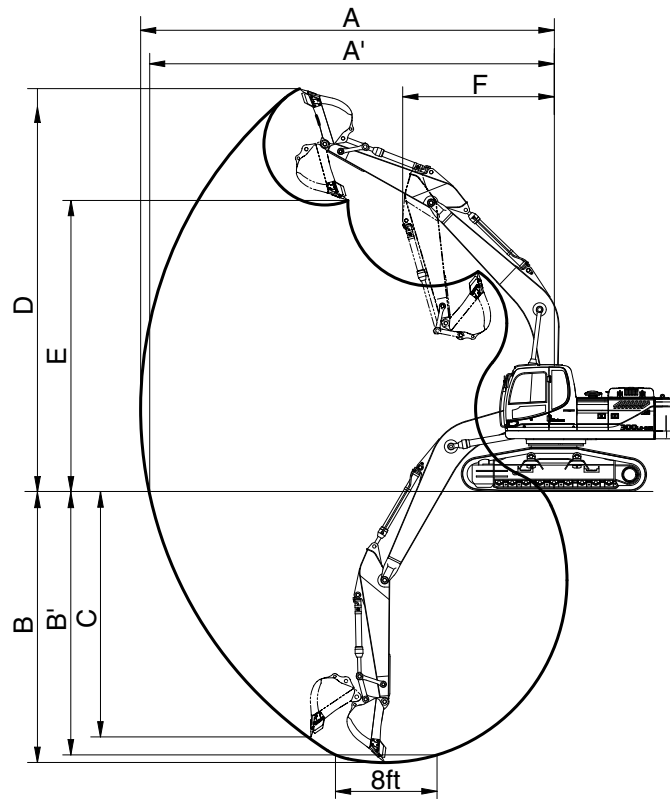


29092SP06

Description		7.85 m (25' 9") Arm
Max digging reach	A	18510 (60' 9")
Max digging reach on ground	A'	18400 (60' 4")
Max digging depth	B	14820 (48' 7")
Max digging depth (8 ft level)	B'	14690 (48' 2")
Max vertical wall digging depth	C	12020 (39' 5")
Max digging height	D	14500 (47' 7")
Max dumping height	E	12190 (39' 12")
Min swing radius	F	6250 (20' 6")
Bucket digging force	SAE	70 kN
		7100 kgf
		15650 lbf
	ISO	80 kN
		8200 kgf
		18080 lbf
Arm crowd force	SAE	47.1 kN
		4800 kgf
		10580 lbf
	ISO	48.1 kN
		4900 kgf
		10800 lbf

### 3) R300LC-9SH HIGH WALKER

· 6.25 m (20' 6") BOOM



3009SH2SP07

Description		2.10m (6' 11") Arm	2.50 m (8' 2") Arm	3.05 m (10' 0") Arm	3.75 m (12' 4") Arm
Max digging reach	A	10020 mm (32' 10")	10280 mm (33' 7")	10790 mm (35' 5")	11400 mm (37' 5")
Max digging reach on ground	A'	9750 mm (32' 0")	10020 mm (32' 10")	10530 mm (34' 7")	11160 mm (36' 7")
Max digging depth	B	6140 mm (20' 2")	6540 mm (21' 5")	7090 mm (23' 3")	7790 mm (25' 7")
Max digging depth (8 ft level)	B'	5930 mm (19' 5")	6330 mm (20' 9")	6910 mm (22' 8")	7630 mm (25' 0")
Max vertical wall digging depth	C	5700 mm (18' 8")	5560 mm (18' 3")	6090 mm (20' 0")	6790 mm (22' 3")
Max digging height	D	10370 mm (34' 0")	10220 mm (33' 6")	10440 mm (34' 3")	10660 mm (35' 0")
Max dumping height	E	7240 mm (23' 9")	7170 mm (23' 6")	7400 mm (24' 3")	7610 mm (25' 0")
Min swing radius	F	4380 mm (14' 4")	4260 mm (14' 0")	4230 mm (13' 11")	4140 mm (13' 7")
Bucket digging force	SAE	168.7 [184] kN	168.7 [184] kN	168.7 [184] kN	168.7 [184] kN
		17200 [18760] kgf	17200 [18760] kgf	17200 [18760] kgf	17200 [18760] kgf
		37920 [41370] lbf	37920 [41370] lbf	37920 [41370] lbf	37920 [41370] lbf
	ISO	192.2 [209.7] kN	192.2 [209.7] kN	192.2 [209.7] kN	192.2 [209.7] kN
		19600 [21380] kgf	19600 [21380] kgf	19600 [21380] kgf	19600 [21380] kgf
		43210 [47140] lbf	43210 [47140] lbf	43210 [47140] lbf	43210 [47140] lbf
Arm digging force	SAE	180.4 [195.9] kN	156.9 [170.4] kN	131.4 [142.7] kN	114.7 [124.6] kN
		18400 [19980] kgf	16000 [17370] kgf	13400 [14550] kgf	11700 [12700] kgf
		40570 [44050] lbf	35270 [38290] lbf	29540 [32070] lbf	25790 [28000] lbf
	ISO	190.3 [206.6] kN	163.8 [177.8] kN	136.3 [148] kN	119.6 [129.9] kN
		19400 [21060] kgf	16700 [18130] kgf	13900 [15090] kgf	12200 [13250] kgf
		42770 [46440] lbf	36820 [39980] lbf	30640 [33270] lbf	26900 [29210] lbf

[ ] : Power boost



## 4. WEIGHT

### 1) R300LC-9SH, R300NLC-9SH

Item	R300LC-9SH		R300NLC-9SH	
	kg	lb	kg	lb
Upperstructure assembly	12610	27800	←	←
Main frame weld assembly	2740	6040	←	←
Engine assembly	985	2170	←	←
Main pump assembly	140	310	←	←
Main control valve assembly	220	490	←	←
Swing motor assembly	390	860	←	←
Hydraulic oil tank assembly	250	560	←	←
Fuel tank assembly	240	530	←	←
Counterweight	4600	10140	←	←
Cab assembly	490	1080	←	←
Lower chassis assembly	10740	23680	10600	23370
Track frame weld assembly	3765	8300	3625	7990
Swing bearing	430	950	←	←
Travel motor assembly	400	880	←	←
Turning joint	54	120	←	←
Track recoil spring	205	450	←	←
Idler	252	560	←	←
Carrier roller	35	80	←	←
Track roller	54	119	←	←
Track-chain assembly (600 mm standard triple grouser shoe)	1860	4110	←	←
Front attachment assembly (6.25 m boom, 3.05 m arm, 1.27 m <sup>3</sup> SAE heaped bucket)	5550	12240	←	←
6.25 m boom assembly	2285	5040	←	←
3.05 m arm assembly	1025	2260	←	←
1.27 m <sup>3</sup> SAE heaped bucket	1010	2230	←	←
Boom cylinder assembly	270	600	←	←
Arm cylinder assembly	360	790	←	←
Bucket cylinder assembly	220	485	←	←
Bucket control link assembly	110	240	←	←

## 2) R300LC-9SH LONG REACH

Item	R300LC-9SH LONG REACH	
	kg	lb
Upperstructure assembly	14410	31810
Main frame weld assembly	2740	6040
Engine assembly	985	2170
Main pump assembly	140	310
Main control valve assembly	220	490
Swing motor assembly	390	860
Hydraulic oil tank assembly	250	560
Fuel tank assembly	240	530
Counterweight	7000	15450
Cab assembly	490	1080
Lower chassis assembly	10900	24030
Track frame weld assembly	3765	8300
Swing bearing	430	950
Travel motor assembly	400	880
Turning joint	54	120
Track recoil spring	205	450
Idler	252	560
Carrier roller	35	80
Track roller	54	119
Track-chain assembly (800 mm standard triple grouser shoe)	2340	5160
Front attachment assembly (10.2 m boom, 7.85 m arm, 0.52 m <sup>3</sup> SAE heaped bucket)	5920	13050
10.2 m boom assembly	2960	6530
7.85 m arm assembly	1340	2960
0.52 m <sup>3</sup> SAE heaped bucket	460	1010
Boom cylinder assembly	270	600
Arm cylinder assembly	360	790
Bucket cylinder assembly	96	212
Bucket control link assembly	110	240

### 3) R300LC-9SH HIGH WALKER











Item	R300LC-9SH HIGH WAKER	
	kg	lb
Upperstructure assembly	12610	27800
Main frame weld assembly	2740	6040
Engine assembly	985	2170
Main pump assembly	140	310
Main control valve assembly	220	490
Swing motor assembly	390	860
Hydraulic oil tank assembly	250	560
Fuel tank assembly	240	530
Counterweight	4600	10140
Cab assembly	490	1080
Lower chassis assembly	12800	28220
Track frame weld assembly	5825	12840
Swing bearing	430	950
Travel motor assembly	400	880
Turning joint	54	120
Track recoil spring	205	450
Idler	252	560
Carrier roller	35	80
Track roller	54	119
Track-chain assembly (600 mm standard triple grouser shoe)	1860	4110
Front attachment assembly (6.25 m boom, 3.05 m arm, 1.27 m <sup>3</sup> SAE heaped bucket)	5550	12240
6.25 m boom assembly	2285	5040
3.05 m arm assembly	1025	2260
1.27 m <sup>3</sup> SAE heaped bucket	1010	2230
Boom cylinder assembly	270	600
Arm cylinder assembly	360	790
Bucket cylinder assembly	220	485
Bucket control link assembly	110	240

## 5. LIFTING CAPACITIES

### 1) R300LC-9SH













(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

·  : Rating over-front      ·  : Rating over-side or 360 degree















Load point height		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					*6200 *13670	*6200 *13670			*5710 *12590	4680 10320	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	5060 11160	*5810 *12810	3750 8270	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	7230 15940	*6700 *14770	4940 10890	5390 11880	3280 7230	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	10430 22990	*8910 *19640	6750 14880	*7330 *16160	4720 10410	5100 11240	3060 6750	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	9420 21430	*10090 *22240	6360 14020	7500 16530	4510 9940	5090 11220	3040 6700	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	9510 20970	*10480 *23100	6130 13510	7340 16180	4370 9630	5380 11860	3210 7080	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	9530 21010	10410 22950	6070 13380	7310 16120	4340 9570	6100 13450	3680 8110	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	*18890 *41650	*13670 *30140	9710 21410	*10170 *22420	6170 13600			*6670 *14700	4710 10380	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	10120 22310							

- Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
  2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook located on the back of the bucket.
  4. \*indicates load limited by hydraulic capacity.















(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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 lb											*5240 *11550	4400 9700	8.34 (27.4)
6.0 m (20 ft)	kg lb									*5870 *12940	5140 11330	*5400 *11900	3560 7850	9.19 (30.2)
4.5 m (15 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	*7090 *15630	*6310 *13910	4980 10980	5150 11350	3120 6880	9.69 (31.8)
3.0 m (10 ft)	kg lb					*11680 *25750	10630 23440	*8460 *18650	6820 15040	*7000 *15430	4740 10450	4870 10740	2910 6420	9.90 (32.5)
1.5 m (5 ft)	kg lb					*13960 *30780	9800 21610	*9730 *21450	6380 14070	*7500 *16530	4500 9920	4850 10690	2870 6330	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	9460 20860	10450 23040	6100 13450	7310 16120	4340 9570	5090 11220	3020 6660	9.51 (31.2)
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	9410 20750	10330 22770	5990 13210	7240 15960	4270 9410	5710 12590	3410 7520	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	*20000 *44090	*14040 *30950	9550 21050	*10390 *22910	6050 13340			*6780 *14950	4270 9410	7.82 (25.7)
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	9890 21800							

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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													*4780 *10540	3890 8580	8.94 (29.3)
6.0 m (20 ft)	kg lb									*5270 *11620	*5230 *11530			*4940 *10890	3200 7050	9.74 (32.0)
4.5 m (15 ft)	kg lb					*6380 *14070	*6380 *14070	*5780 *12740	5030 11090					4710 10380	2820 6220	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	*10510 *23170	*7800 *17200	6900 15210	*6530 *14400	4760 10490	*4420 *9740	3420 7540	4460 9830	2630 5800	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	9940 21910	*9190 *20260	6400 14110	*7320 *16140	4490 9900	*5230 *11530	3280 7230	4430 9770	2590 5710	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	9440 20810	*10220 *22530	6060 13360	7260 16010	4290 9460	*4600 *10140	3180 7010	4610 10160	2700 5950	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	9280 20460	*10230 *22550	5900 13010	7140 15740	4180 9220			5100 11240	3000 6610	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	*19250 *42440	*14380 *31700	9340 20590	10230 22550	5900 13010	7160 15790	4200 9260			6120 13490	3660 8070	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	*18400 *40570	*12820 *23260	9600 21160	*9370 *20660	6080 13400					*6400 *14110	5200 11460	6.97 (22.9)

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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			
																kg	lb	m (ft)	
7.5 m (25 ft)	kg lb																		
																	*4230 *9330	3350 7390	9.67 (31.7)
6.0 m (20 ft)	kg lb									*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2800 6170	10.40 (34.1)			
4.5 m (15 ft)	kg lb									*5050 *11130	*5050 *11130	*3970 *8750	3590 7910	4220 9300	2490 5490	10.83 (35.5)			
3.0 m (10 ft)	kg lb			*14430 *31810	*14430 *31810	*8910 *19640	*8910 *19640	*6870 *15150	*6870 *15150	*5870 *12940	4830 10650	*5060 *11160	3440 7580	4010 8840	2320 5110	11.02 (36.2)			
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	10250 22600	*8410 *18540	6520 14370	*6760 *14900	4530 9990	5530 12190	3270 7210	3970 8750	2270 5000	10.97 (36.0)			
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	9540 21030	*9670 *21320	6100 13450	*7260 *16010	4270 9410	5380 11860	3130 6900	4110 9060	2350 5180	10.68 (35.0)			
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	9220 20330	10200 22490	5850 12900	7080 15610	4110 9060	5290 11660	3050 6720	4470 9850	2580 5690	10.12 (33.2)			
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	*17210 *37940	*14640 *32280	9170 20220	10100 22270	5770 12720	7030 15500	4060 8950			5220 11510	3060 6750	9.25 (30.3)			
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	19650 43320	*13660 *30120	9330 20570	*9980 *22000	5850 12900					*6200 *13670	4080 8990	7.92 (26.0)			











- Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
  2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook located on the back of the bucket.
  4. \*indicates load limited by hydraulic capacity.

## 2) R300NLC-9SH

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

·  : Rating over-front

·  : Rating over-side or 360 degree

Load point height		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					*6200 *13670	*6200 *13670			*5710 *12590	4230 9330	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4580 10100	*5810 *12810	3370 7430	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	6540 14420	*6700 *14770	4450 9810	5360 11820	2930 6460	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	9300 20500	*8910 *19640	6070 13380	*7330 *16160	4240 9350	5070 11180	2730 6020	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	8620 19000	*10090 *22240	5680 12520	7460 16450	4030 8880	5060 11160	2700 5950	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	8420 18560	10420 22970	5460 12040	7300 16090	3900 8600	5350 11790	2860 6310	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	8440 18610	10350 22820	5400 11900	7270 16030	3870 8530	6070 13380	3280 7230	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	17700 39020	*13670 *30140	8610 18980	*10170 *22420	5500 12130			*6670 *14700	4230 9330	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	9000 19840							

- Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
  2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.















Load point height		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 lb												*5240 *11550	3980 8770	8.34 (27.4)
6.0 m (20 ft)	kg lb									*5870 *12940	4650 10250	*5400 *11900	3200 7050	9.19 (30.2)	
4.5 m (15 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	6620 14590	*6310 *13910	4490 9900	5130 11310	2790 6150	9.69 (31.8)	
3.0 m (10 ft)	kg lb					*11680 *25750	9500 20940	*8460 *18650	6130 13510	*7000 *15430	4260 9390	4840 10670	2580 5690	9.90 (32.5)	
1.5 m (5 ft)	kg lb					*13960 *30780	8700 19180	*9730 *21450	5700 12570	7460 16450	4030 8880	4820 10630	2550 5620	9.84 (32.3)	
Ground Line	kg lb					*14930 *32910	8370 18450	10400 22930	5430 11970	7270 16030	3860 8510	5060 11160	2670 5890	9.51 (31.2)	
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	8320 18340	10280 22660	5330 11750	7200 15870	3800 8380	5680 12520	3030 6680	8.87 (29.1)	
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	17350 38250	*14040 *30950	8450 18630	10340 22800	5380 11860			*6780 *14950	3820 8420	7.82 (25.7)	
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	8780 19360								

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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													*4780 *10540	3510 7740	8.94 (29.3)
6.0 m (20 ft)	kg lb									*5270 *11620	4740 10450			*4940 *10890	2870 6330	9.74 (32.0)
4.5 m (15 ft)	kg lb							*6380 *14070	*6380 *14070	*5780 *12740	4540 10010			4680 10320	2510 5530	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	9770 21540	*7800 *17200	6210 13690	*6530 *14400	4280 9440	*4420 *9740	3050 6720	4430 9770	2330 5140	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	8830 19470	*9190 *20260	5730 12630	*7320 *16140	4010 8840	*5230 *11530	2910 6420	4400 9700	2280 5030	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	8340 18390	*10220 *22530	5400 11900	7220 15920	3810 8400	*4600 *10140	2810 6190	4590 10120	2380 5250	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	8190 18060	10180 22440	5230 11530	7100 15650	3710 8180			5070 11180	2660 5860	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	16930 37320	*14380 *31700	8250 18190	10180 22440	5230 11530	7130 15720	3720 8200			6090 13430	3250 7170	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	17430 38430	*12820 *28260	8500 18740	*9370 *20660	5410 11930					*6400 *14110	4660 10270	6.97 (22.9)



(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

















Load point height		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													*4230 *9330	3010 6640	9.67 (31.7)
6.0 m (20 ft)	kg lb								*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2500 5510	10.40 (34.1)	
4.5 m (15 ft)	kg lb								*5050 *11130	4630 10210	*3970 *8750	3220 7100	4200 9260	2200 4850	10.83 (35.5)	
3.0 m (10 ft)	kg lb			*14430 *31810	*14430 *31810	*8910 *19640	*8910 *19640	*6870 *15150	6380 14070	*5870 *12940	4340 9570	*5060 *11160	3070 6770	3980 8770	2040 4500	11.02 (36.2)
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	9130 20130	*8410 *18540	5840 12870	*6760 *14900	4040 8910	5500 12130	2900 6390	3940 8690	1990 4390	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	8440 18610	*9670 *21320	5430 11970	7220 15920	3800 8380	5350 11790	2760 6080	4080 8990	2050 4520	10.68 (35.0)
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	8130 17920	10140 22350	5190 11440	7040 15520	3640 8020	5260 11600	2680 5910	4450 9810	2260 4980	10.12 (33.2)
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	16550 36490	*14640 *32280	8090 17840	10050 22160	5110 11270	6990 15410	3590 7910			5190 11440	2700 5950	9.25 (30.3)
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	16940 37350	*13660 *30120	8230 18140	*9980 *22000	5190 11440					*6200 *13670	3640 8020	7.92 (26.0)

### 3) R300LC-9SH LONG REACH

(1) 10.2 m (33' 6") boom, 7.85 m (25' 9") arm equipped with 0.52 m<sup>3</sup> (SAE heaped) bucket and 800 mm (32") triple grouser shoe and 7000 kg (15450 lb) counterweight.

 : Rating over-front

 : Rating over-side or 360 degree

Load point height		Load radius														At max. reach		Reach m (ft)	
		6.0 m (20.0 ft)		7.5 m (25.0 ft)		9.0 m (30.0 ft)		10.5 m (35.0 ft)		12.0 m (40.0 ft)		13.5 m (45.0 ft)		15.0 m (50.0 ft)		Capacity			
																			
13.5 m 45.0 ft	kg lb																*1770 *3900	*1770 *3900	14.13 (46.4)
12.0 m 40.0 ft	kg lb																*1790 *3950	*1790 *3950	15.27 (50.1)
10.5 m 35.0 ft	kg lb													*1060 *2340	*1060 *2340	*1820 *4010	*1820 *4010	16.18 (53.1)	
9.0 m 30.0 ft	kg lb													*1520 *3350	*1520 *3350	*1860 *4100	1700 3750	16.89 (55.4)	
7.5 m 25.0 ft	kg lb											*1890 *4170	*1890 *4170	*1830 *4030	*1830 *4030	*1910 *4210	1520 3350	17.44 (57.2)	
6.0 m 20.0 ft	kg lb											*2030 *4480	*2030 *4480	*2010 *4430	*2010 *4430	*1970 *4340	1390 3060	17.83 (58.5)	
4.5 m 15.0 ft	kg lb									*2330 *5140	*2330 *5140	*2210 *4870	*2210 *4870	*2140 *4720	2040 4500	*2040 *4500	1300 2870	18.08 (59.3)	
3.0 m 10.0 ft	kg lb					*3260 *7190	*3260 *7190	*2880 *6350	*2880 *6350	*2610 *5750	*2610 *5750	*2420 *5340	2420 5340	*2290 *5050	1940 4280	*2110 *4650	1230 2710	18.20 (59.7)	
1.5 m 5.0 ft	kg lb	*6160 *13580	*6160 *13580	*4690 *10340	*4690 *10340	*3830 *8440	*3830 *8440	*3280 *7230	*3280 *7230	*2900 *6390	2820 6220	*2640 *5820	2270 5000	*2450 *5400	1830 4030	*2200 *4850	1190 2620	18.19 (59.7)	
Ground /line	kg lb	*7310 *16120	7180 15830	*5460 *12040	5330 11750	*4370 *9630	4120 9080	*3670 *8090	3270 7210	*3190 *7030	2630 5800	*2860 *6310	2130 4700	*2610 *5750	1730 3810	2190 4830	1180 2600	18.04 (59.2)	
-1.5 m -5.0 ft	kg lb	*8140 *17950	6610 14570	*6090 *13430	4910 10820	*4840 *10670	3810 8400	*4020 *8860	3040 6700	*3460 *7630	2460 5420	*3060 *6750	2010 4430	*2760 *6080	1650 3640	2220 4890	1190 2620	17.76 (58.3)	
-3.0 m -10.0 ft	kg lb	*8680 *19140	6290 13870	*6550 *14440	4620 10190	*5210 *11490	3590 7910	*4320 *9520	2870 6330	*3690 *8140	2330 5140	*3230 *7120	1910 4210	2850 6280	1580 3480	2290 5050	1230 2710	17.33 (56.9)	
-4.5 m -15.0 ft	kg lb	*8980 *19800	6130 13510	*6850 *15100	4460 9830	*5480 *12080	3450 7610	*4540 *10010	2750 6060	*3870 *8530	2240 4940	3300 7280	1850 4080	2810 6190	1540 3400	2420 5340	1310 2890	16.75 (55.0)	
-6.0 m -20.0 ft	kg lb	*9060 *19970	6100 13450	*7000 *15430	4400 9700	*5630 *12410	3370 7430	*4670 *10300	2690 5930	3880 8550	2190 4830	3270 7210	1820 4010	*2720 *6000	1540 3400	2600 5730	1430 3150	15.99 (52.5)	
-7.5 m -25.0 ft	kg lb	*8940 *19710	6160 13580	*6980 *15390	4410 9720	*5650 *12460	3370 7430	*4700 *10360	2680 5910	3880 8550	2190 4830	3280 7230	1830 4030			2890 6370	1620 3570	15.04 (49.3)	
-9.0 m -30.0 ft	kg lb	*8600 *18960	6300 13890	*6780 *14950	4500 9920	*5520 *12170	3430 7560	*4590 *10120	2730 6020	*3860 *8510	2240 4940					*3070 *6770	1920 4230	13.83 (45.4)	
-10.5 m -35.0 ft	kg lb	*7990 *17610	6540 14420	*6350 *14000	4660 10270	*5180 *11420	3560 7850	*4270 *9410	2850 6280	*3500 *7720	2370 5220					*3230 *7120	2410 5310	12.31 (40.4)	
-12.0 m -40.0 ft	kg lb	*7010 *15450	6880 15170	*5590 *12320	4920 10850	*4510 *9940	3780 8330												
-13.5 m -45.0 ft	kg lb	*5410 *11930	*5410 *11930	*4210 *9280	*4210 *9280														











- Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
  2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

#### 4) R300LC-9SH HIGH WALKER

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.













·  : Rating over-front

·  : Rating over-side or 360 degree















Load point height		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					*6200 *13670	*6200 *13670			*5720 *12610	5510 12150	8.21 (26.9)
6.0 m (20 ft)	kg lb					*6710 *14790	*6710 *14790	*6390 *14090	6260 13800	*5840 *12870	4570 10080	9.02 (29.6)
4.5 m (15 ft)	kg lb			*10170 *22420	*10170 *22420	*7830 *17260	*7830 *17260	*6810 *15010	6100 13450	*6000 *13230	4090 9020	9.48 (31.1)
3.0 m (10 ft)	kg lb			*13040 *28750	12920 28480	*9160 *20190	8330 18360	*7460 *16450	5870 12940	5840 12870	3900 8600	9.65 (31.7)
1.5 m (5 ft)	kg lb			*14740 *32500	12300 27120	*10270 *22640	7950 17530	*8080 *17810	5670 12500	5890 12990	3920 8640	9.53 (31.3)
Ground Line	kg lb			*15120 *33330	12140 26760	*10860 *23940	7750 17090	8390 18500	5550 12240	6290 13870	4190 9240	9.13 (30.0)
-1.5 m (-5 ft)	kg lb	*15930 *35120	*15930 *35120	*14660 *32320	12190 26870	*10820 *23850	7710 17000	*8290 *18280	5550 12240	*6770 *14930	4830 10650	8.40 (27.6)
-3.0 m (-10 ft)	kg lb	*18380 *40520	*18380 *40520	*13340 *29410	12410 27360	*9900 *21830	7860 17330			*6590 *14530	6310 13910	7.20 (23.6)
-4.5 m (-15 ft)	kg lb	*14220 *31350	*14220 *31350	*10330 *22770	*10330 *22770							

- Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
  2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook located on the back of the bucket.
  4. \*indicates load limited by hydraulic capacity.
















(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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 lb											*5270 *11620	5210 11490	8.53 (28.0)
6.0 m (20 ft)	kg lb							*6190 *13650	*6190 *13650	*5920 *13050	*5920 *13050	*5430 *11970	4360 9610	9.31 (30.5)
4.5 m (15 ft)	kg lb					*9290 *20480	*9290 *20480	*7330 *16160	*7330 *16160	*6430 *14180	6140 13540	*5630 *12410	3910 8620	9.75 (32.0)
3.0 m (10 ft)	kg lb					*12200 *26900	*12200 *26900	*8720 *19220	8390 18500	*7140 *15740	5890 12990	5510 12150	3710 8180	9.91 (32.5)
1.5 m (5 ft)	kg lb					*14240 *31390	12350 27230	*9930 *21890	7960 17550	*7830 *17260	5660 12480	5540 12210	3720 8200	9.80 (32.2)
Ground Line	kg lb			*10120 *22310	*10120 *22310	*14990 *33050	12070 26610	*10680 *23550	7710 17000	8240 18170	5510 12150	5880 12960	3950 8710	9.42 (30.9)
-1.5 m (-5 ft)	kg lb	*13060 *28790	*13060 *28790	*16430 *36220	*16430 *36220	*14810 *32650	12060 26590	*10820 *23850	7630 16820	8190 18060	5460 12040	6670 14700	4500 9920	8.71 (28.6)
-3.0 m (-10 ft)	kg lb	*18310 *40370	*18310 *40370	*19530 *43060	*19530 *43060	*13770 *30360	12240 26980	*10190 *22470	7720 17020			*6770 *14930	5720 12610	7.57 (24.8)
-4.5 m (-15 ft)	kg lb			*15840 *34920	*15840 *34920	*11350 *25020	*11350 *25020							

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

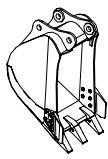
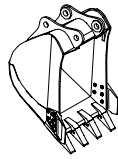
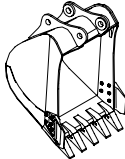
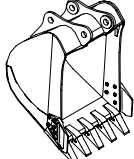
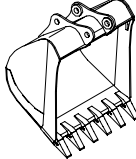
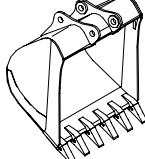
Load point height		Load radius										At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m (25 ft)	kg lb									*3560 *7850	*3560 *7850			*4810 *10600	4650 10250	9.12 (29.9)
6.0 m (20 ft)	kg lb									*5340 *11770	*5340 *11770			*4970 *10960	3950 8710	9.85 (32.3)
4.5 m (15 ft)	kg lb						*6630 *14620	*6630 *14620	*5910 *13030	*5910 *13030	*3130 *6900	*3130 *6900	*5180 *11420	3560 7850	10.26 (33.7)	
3.0 m (10 ft)	kg lb					*11060 *24380	*11060 *24380	*8070 *17790	*8070 *17790	*6680 *14730	5910 13030	*4640 *10230	4330 9550	5060 11160	3390 7470	10.41 (34.2)
1.5 m (5 ft)	kg lb			*7260 *16010	*7260 *16010	*13460 *29670	12460 27470	*9420 *20770	7980 17590	*7460 *16450	5640 12430	*5260 *11600	4190 9240	5070 11180	3380 7450	10.31 (33.8)
Ground Line	kg lb			*10880 *23990	*10880 *23990	*14670 *32340	12020 26500	*10360 *22840	7660 16890	*8040 *17730	5450 12020			5340 11770	3560 7850	9.95 (32.6)
-1.5 m (-5 ft)	kg lb	*11690 *25770	*11690 *25770	*15110 *33310	*15110 *33310	*14860 *32760	11910 26260	*10720 *23630	7530 16600	8090 17840	5360 11820			5960 13140	3990 8800	9.29 (30.5)
-3.0 m (-10 ft)	kg lb	*15680 *34570	*15680 *34570	*20360 *44890	*20360 *44890	*14180 *31260	12010 26480	*10400 *22930	7560 16670	*7880 *17370	5410 11930			*6450 *14220	4900 10800	8.24 (27.0)
-4.5 m (-15 ft)	kg lb	*20460 *45110	*20460 *45110	*17650 *38910	*17650 *38910	*12350 *27230	12320 27160	*8950 *19730	7790 17170							

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

Load point height		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 (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	5970 13160	*5270 *11620	4350 9590	4570 10080	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	4570 10080	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	11830 26080	*10500 *23150	7470 16470	8010 17660	5280 11640	*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	11820 26060	*10540 *23240	7420 16360	7980 17590	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	12020 26500	*9740 *21470	7540 16620					*6220 *13710	5580 12300	7.60 (24.9)

## 6. BUCKET SELECTION GUIDE

### 1) GENERAL BUCKET

					
0.79 m <sup>3</sup> SAE heaped bucket	1.03 m <sup>3</sup> SAE heaped bucket	※1.27 m <sup>3</sup> SAE heaped bucket	1.50 m <sup>3</sup> SAE heaped bucket	1.73 m <sup>3</sup> SAE heaped bucket	1.85 m <sup>3</sup> SAE heaped bucket

Capacity		Width		Weight	Recommendation			
					6.25 m (20' 6") boom			
SAE heaped	CECE heaped	Without side cutter	With side cutter		2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")
0.79 m <sup>3</sup> (1.03 yd <sup>3</sup> )	0.70 m <sup>3</sup> (0.92 yd <sup>3</sup> )	890 mm (35.0")	1010 mm (39.8")	790 kg (1740 lb)				
1.03 m <sup>3</sup> (1.35 yd <sup>3</sup> )	0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> )	1090 mm (42.9")	1210 mm (47.6")	890 kg (1960 lb)				
※1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> )	1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> )	1290 mm (50.8")	1410 mm (55.5")	1010 kg (2230 lb)				
1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )	1.30 m <sup>3</sup> (1.70 yd <sup>3</sup> )	1490 mm (58.7")	1610 mm (63.4")	1080 kg (2380 lb)				
1.73 m <sup>3</sup> (2.26 yd <sup>3</sup> )	1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )	1700 mm (66.9")	1820 mm (71.7")	1170 kg (2580 lb)				
1.85 m <sup>3</sup> (2.42 yd <sup>3</sup> )	1.60 m <sup>3</sup> (2.09 yd <sup>3</sup> )	1800 mm (70.9")	1920 mm (75.6")	1230 kg (2710 lb)				

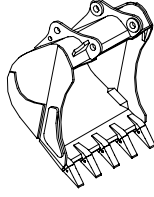
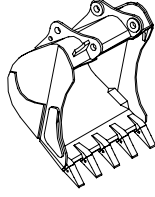
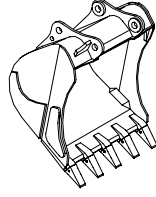
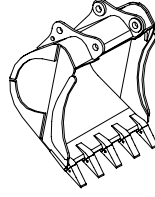
※: Standard bucket

 Applicable for materials with density of 2000 kgf/m<sup>3</sup> (3370 lbf/yd<sup>3</sup>) or less

 Applicable for materials with density of 1600 kgf/m<sup>3</sup> (2700 lbf/yd<sup>3</sup>) or less

 Applicable for materials with density of 1100 kgf/m<sup>3</sup> (1850 lbf/yd<sup>3</sup>) or less

## 2) ROCK AND HEAVY DUTY BUCKET

			
<ul style="list-style-type: none"> <li>◆ 1.07 m<sup>3</sup> SAE</li> <li>◆ 1.15 m<sup>3</sup> SAE heaped bucket</li> </ul>	<ul style="list-style-type: none"> <li>◆ 1.27 m<sup>3</sup> SAE heaped bucket</li> </ul>	<ul style="list-style-type: none"> <li>◆ 1.46 m<sup>3</sup> SAE heaped bucket</li> </ul>	<ul style="list-style-type: none"> <li>⊙ 1.16 m<sup>3</sup> SAE</li> <li>⊙ 1.49 m<sup>3</sup> SAE heaped bucket</li> </ul>

Capacity		Width		Weight	Recommendation			
SAE heaped	CECE heaped	Without side cutter	With side cutter		6.25 m (20' 6") boom			
					2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")
◆ 1.07 m <sup>3</sup> (1.40 yd <sup>3</sup> )	0.95 m <sup>3</sup> (1.24 yd <sup>3</sup> )	1150 mm (45.3")	-	1120 kg (2470 lb)				
◆ 1.15 m <sup>3</sup> (1.50 yd <sup>3</sup> )	1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> )	1210 mm (47.6")	-	1160 kg (2560 lb)				
◆ 1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> )	1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> )	1310 mm (51.6")	-	1240 kg (2730 lb)				
◆ 1.46 m <sup>3</sup> (1.91 yd <sup>3</sup> )	1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> )	1460 mm (57.5")	-	1320 kg (2910 lb)				
⊙ 1.16 m <sup>3</sup> (1.52 yd <sup>3</sup> )	1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> )	1340 mm (52.8")	-	1280 kg (2820 lb)				
⊙ 1.49 m <sup>3</sup> (1.95 yd <sup>3</sup> )	1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> )	1620 mm (63.8")	-	1440 kg (3170 lb)				

◆ : Heavy duty bucket

⊙ : Rock bucket

Applicable for materials with density of 2000 kgf/m<sup>3</sup> (3370 lbf/yd<sup>3</sup>) or less

Applicable for materials with density of 1600 kgf/m<sup>3</sup> (2700 lbf/yd<sup>3</sup>) or less

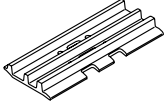
Applicable for materials with density of 1100 kgf/m<sup>3</sup> (1850 lbf/yd<sup>3</sup>) or less

## 7. UNDERCARRIAGE

### 1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

### 2) TYPES OF SHOES

Model	Shapes		Triple grouser			
						
R300LC-9SH	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	900 (36)
	Operating weight	kg (lb)	29900 (65920)	30480 (67200)	30840 (67990)	31240 (68870)
	Ground pressure	kgf/cm <sup>2</sup> (psi)	0.57 (8.11)	0.50 (7.11)	0.44 (6.26)	0.40 (5.69)
	Overall width	mm (ft-in)	3200 (10' 6")	3300 (10' 10")	3400 (11' 1")	3500 (11' 5")
R300NLC-9SH	Shoe width	mm (in)	600 (24)	-	-	-
	Operating weight	kg (lb)	29700 (65480)	-	-	-
	Ground pressure	kgf/cm <sup>2</sup> (psi)	0.57 (8.11)	-	-	-
	Overall width	mm (ft-in)	2990 (9' 10")	-	-	-
R300LC-9SH LONG REACH	Shoe width	mm (in)	-	-	800 (32)	-
	Operating weight	kg (lb)	-	-	33780 (74470)	-
	Ground pressure	kgf/cm <sup>2</sup> (psi)	-	-	0.49 (6.97)	-
	Overall width	mm (ft-in)	-	-	3400 (11' 2")	-
R300LC-9SH HIGH WALKER	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	★710 (28)
	Operating weight	kg (lb)	32740 (72180)	33320 (73460)	33680 (74250)	34240 (75490)
	Ground pressure	kgf/cm <sup>2</sup> (psi)	0.63 (8.96)	0.55 (7.82)	0.49 (6.97)	0.56 (7.96)
	Overall width	mm (ft-in)	3470 (11' 5")	3570 (11' 9")	3670 (12' 0")	★3580 (11' 9")

★ : Double grouser

### 3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Carrier rollers	2 EA
Track rollers	9 EA
Track shoes	48 EA



#### 4) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

##### Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

※ **Table 1**

Track shoe	Specification	Category
600mm triple grouser	Standard	A
700mm triple grouser	Option	B
710mm double grouser	Option	B
800mm triple grouser	Option	C
900mm triple grouser	Option	C
800mm triple grouser(Long reach)	Standard	C

※ **Table 2**

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	<ul style="list-style-type: none"> <li>Travel at low speed on rough ground with large obstacles such as boulders or fallen trees</li> </ul>
B	Normal soil, soft ground	<ul style="list-style-type: none"> <li>These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li> <li>Travel at high speed only on flat ground</li> <li>Travel slowly at low speed if it is impossible to avoid going over obstacles</li> </ul>
C	Extremely soft ground (swampy ground)	<ul style="list-style-type: none"> <li>Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B</li> <li>These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li> <li>Travel at high speed only on flat ground</li> <li>Travel slowly at low speed if it is impossible to avoid going over obstacles</li> </ul>

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Model	HYUNDAI D6AC-C
Type	4-cycle turbocharged diesel engine
Cooling method	Water cooling
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	130 × 140 mm (5.12" × 5.51")
Piston displacement	11149 cc (680 cu in)
Compression ratio	17 : 1
Rated gross horse power (SAE J1995)	217 Hp at 1900 rpm (162 kW at 1900 rpm)
Maximum torque	96.9 kgf · m (701 lbf · ft) at 1400 rpm
Engine oil quantity	27.3 ℓ (7.2 U.S. gal)
Dry weight	920 kg (2028 lb)
High idling speed	2050 ± 50 rpm
Low idling speed	750 ± 100 rpm
Rated fuel consumption	157.1 g/Hp · hr at 1900 rpm
Starting motor	24 V-5.5 kW
Alternator	24 V-70 A
Battery	2 × 12 V × 160 Ah

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 140 cc/rev
Maximum pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]
Rated oil flow	2 × 252 ℓ/min (66.6 U.S. gpm / 55.4 U.K. gpm)

[ ] : Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	27 ℓ /min (7.1 U.S. gpm / 5.9 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification	
	R300LC-9SH	R300LC-9SH Long reach
Type	10 spools	
Operating method	Hydraulic pilot system	
Main relief valve pressure	350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]	350 kgf/cm <sup>2</sup> (4980 psi) [Not applied power boost]
Port relief valve pressure	Boom	400 kgf/cm <sup>2</sup> (5690 psi)
	Arm	400 kgf/cm <sup>2</sup> (5690 psi)
	Bucket	400 kgf/cm <sup>2</sup> (5690 psi)

[ ]: Power boost

### 5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	169.4 cc/rev
Relief pressure	300 kgf/cm <sup>2</sup> (4270 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	70 kgf · m (506 lbf · ft)
Brake release pressure	30~50 kgf/cm <sup>2</sup> (427~711 psi)
Reduction gear type	2 - stage planetary

### 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Relief pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Capacity	154.8/88.5 cc/rev
Reduction gear type	3-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	9 kgf/cm <sup>2</sup> (128 psi)
Braking torque	40 kgf · m (290 lbf · ft)

## 7) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	6.5 kgf/cm <sup>2</sup> (92 psi)
	Maximum	26 kgf/cm <sup>2</sup> (370 psi)
Single operation stroke	Lever	61 mm (2.4 in)
	Pedal	123 mm (4.84 in)

## 8) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	∅ 140 × 1465 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	∅ 150 × 1765 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	∅ 135 × 1185 mm
	Cushion	Extend only
Bucket cylinder (LONG REACH)	Bore dia × Stroke	∅ 100 × 870 mm
	Cushion	Extend only

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.

## 9) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
R300LC-9SH	Standard	600 mm (24")	0.57 kgf/cm <sup>2</sup> (8.11 psi)	48	3200 mm (10' 6")
	Option	700 mm (28")	0.50 kgf/cm <sup>2</sup> (7.11 psi)	48	3300 mm (10' 10")
		800 mm (32")	0.44 kgf/cm <sup>2</sup> (6.26 psi)	48	3400 mm (11' 1")
		900 mm (36")	0.40 kgf/cm <sup>2</sup> (5.69 psi)	48	3500 mm (11' 5")
R300NLC-9SH	Standard	600 mm (24")	0.57 kgf/cm <sup>2</sup> (8.11 psi)	48	2990 mm (9' 10")
R300LC-9SH LONG REACH	Standard	800 mm (32")	0.49 kgf/cm <sup>2</sup> (6.97 psi)	48	3400 mm (11' 2")
R300LC-9SH HIGH WALKER	Standard	600 mm (24")	0.63 kgf/cm <sup>2</sup> (8.96 psi)	48	3470 mm (11' 5")
	Option	700 mm (28")	0.55 kgf/cm <sup>2</sup> (7.82 psi)	48	3570 mm (11' 9")
		800 mm (32")	0.49 kgf/cm <sup>2</sup> (6.97 psi)	48	3670 mm (12' 0")
		★710 mm (28")	0.56 kgf/cm <sup>2</sup> (7.96 psi)	48	3580 mm (11' 9")

★ : Double grouser

## 10) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
R300LC-9SH R300NLC-9SH H/WALKER	0.79 m <sup>3</sup> (1.03 yd <sup>3</sup> )	0.70 m <sup>3</sup> (0.92 yd <sup>3</sup> )	3	890 mm (35.0")	1010 mm (39.8")
	1.03 m <sup>3</sup> (1.35 yd <sup>3</sup> )	0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> )	4	1090 mm (42.9")	1210 mm (47.6")
	◆ 1.07 m <sup>3</sup> (1.40 yd <sup>3</sup> )	0.95 m <sup>3</sup> (1.24 yd <sup>3</sup> )	5	1150 mm (45.3")	-
	◆ 1.15 m <sup>3</sup> (1.50 yd <sup>3</sup> )	1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> )	5	1210 mm (47.6")	-
	1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> )	1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> )	5	1290 mm (50.8")	1410 mm (55.5")
	◆ 1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> )	1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> )	5	1210 mm (47.6")	-
	◆ 1.46 m <sup>3</sup> (1.91 yd <sup>3</sup> )	1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> )	5	1460 mm (57.5")	-
	⊙ 1.16 m <sup>3</sup> (1.52 yd <sup>3</sup> )	1.00 m <sup>3</sup> (1.05 yd <sup>3</sup> )	5	1340 mm (52.8")	-
	⊙ 1.49 m <sup>3</sup> (1.95 yd <sup>3</sup> )	1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> )	5	1620 mm (63.8")	-
	1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )	1.30 m <sup>3</sup> (1.70 yd <sup>3</sup> )	6	1490 mm (58.7")	1610 mm (63.4")
	1.73 m <sup>3</sup> (2.26 yd <sup>3</sup> )	1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )	6	1700 mm (66.9")	1820 mm (71.7")
	1.85 m <sup>3</sup> (2.42 yd <sup>3</sup> )	1.60 m <sup>3</sup> (2.09 yd <sup>3</sup> )	5	1800 mm (70.9")	1920 mm (75.6")
	LONG REACH	0.52 m <sup>3</sup> (0.68 yd <sup>3</sup> )	0.46 m <sup>3</sup> (0.60 yd <sup>3</sup> )	5	935 mm (36.8")

◆ : Heavy duty bucket

⊙ : Rock bucket

## 9. RECOMMENDED OILS

Use only oils listed below. Do not mix different brand oil.

Please use HYUNDAI genuine oil and grease.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C (°F)						
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)
Engine oil pan	Engine oil	27.3 (7.2)	★SAE 5W-40						
			SAE 30						
			SAE 10W						
			SAE 10W-30						
			SAE 15W-40						
Swing drive	Gear oil	6.0 (1.6)	★SAE 75W-90						
Final drive		8.0×2 (2.1×2)	SAE 80W-90						
Hydraulic tank	Hydraulic oil	Tank; 190 (50)	★ISO VG 15						
			ISO VG 32						
		System; 330 (87)	ISO VG 46						
			ISO VG 68						
Fuel tank	Diesel fuel	500 (132)	★ASTM D975 NO.1						
			ASTM D975 NO.2						
Fitting (grease nipple)	Grease	As required	★NLGI NO.1						
			NLGI NO.2						
Radiator (reservoir tank)	Mixture of antifreeze and water	35 (9.3)	Ethylene glycol base permanent type (50 : 50)						
			★Ethylene glycol base permanent type (60 : 40)						

**SAE** : Society of Automotive Engineers

★ : Arctic machine

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material