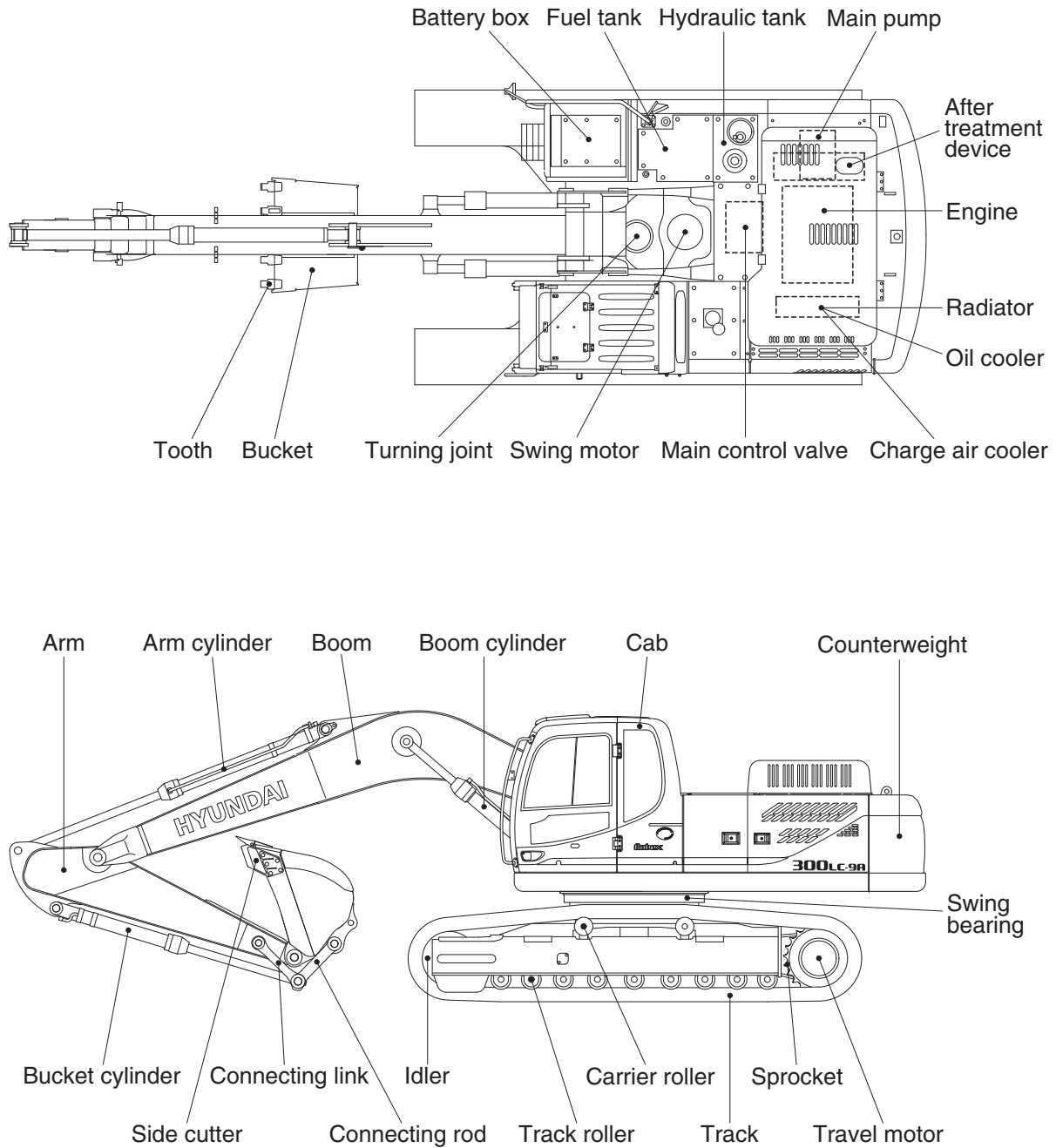


SPECIFICATIONS

1. MAJOR COMPONENT

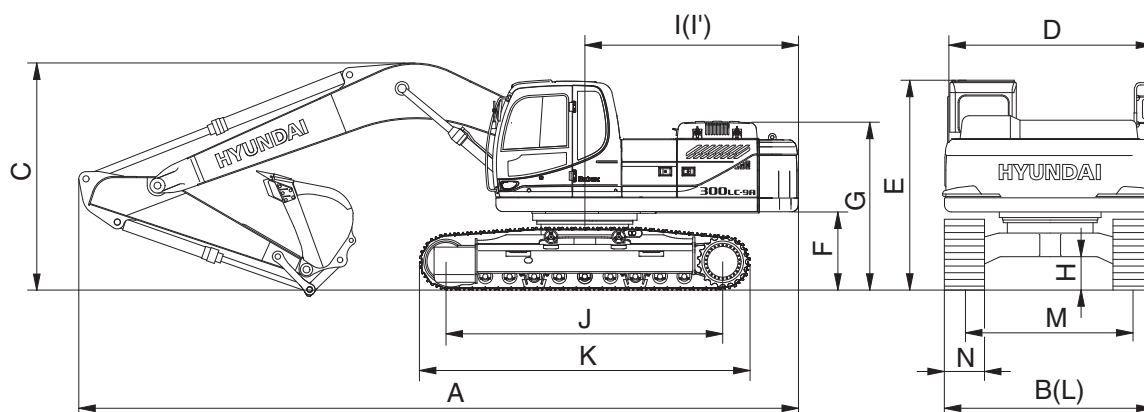


3009A2SP01

2. SPECIFICATIONS

1) R300LC-9A

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

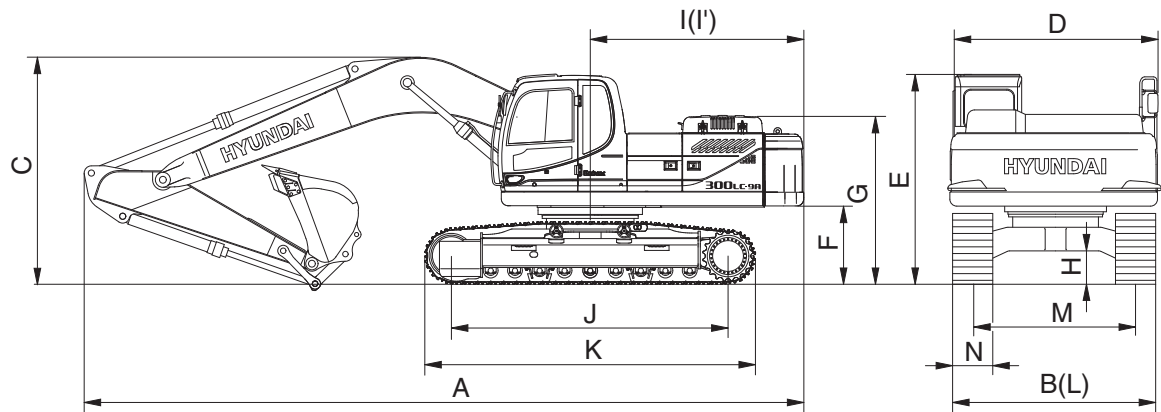


3009A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	29800 (65700)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")
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		2620 (8' 7")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
Distance between tumblers	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)	3.2/5.4 (2.0/3.4)
Swing speed		rpm	11.0
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.57 (8.11)
Max traction force		kg (lb)	27300 (60200)

2) R300NLC-9A

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

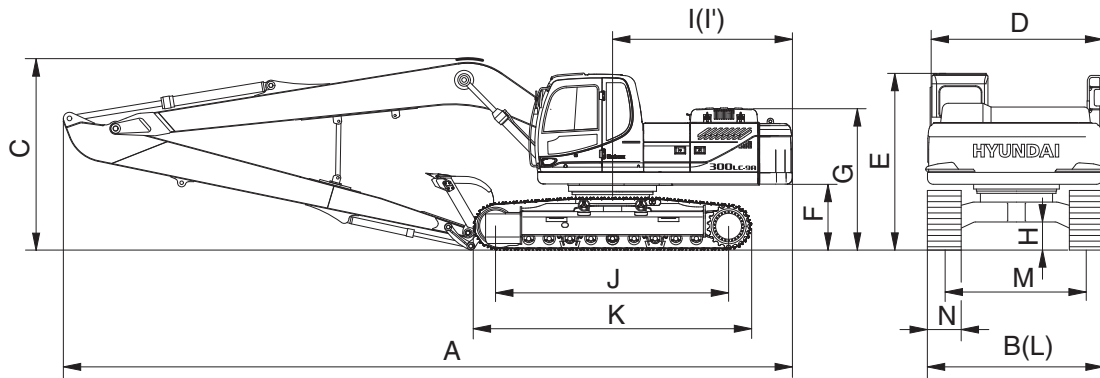


3009A2SP03

Description		Unit	Specification
Operating weight		kg (lb)	29600 (65260)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10560 (34' 8")
Overall width, with 600 mm 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		2620 (8' 7")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
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)	3.2/5.4 (2.0/3.4)
Swing speed		rpm	11.0
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.57 (8.11)
Max traction force		kg (lb)	27300 (60200)

3) R300LC-9A LONG REACH

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

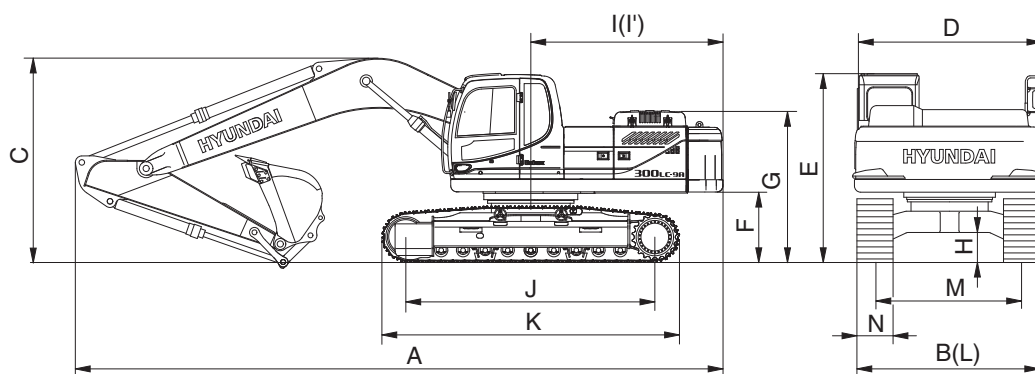


3009A2SP04

Description		Unit	Specification
Operating weight		kg (lb)	33680 (74250)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.52 (0.68)
Overall length	A	mm (ft-in)	14550 (47' 9")
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		2620 (8' 7")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
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 (31' 5")
Travel speed (low/high)		km/hr (mph)	3.2/5.4 (2.0/3.4)
Swing speed		rpm	11.0
Gradeability		Degree (%)	35 (70)
Ground pressure (800 mm shoe)		kgf/cm ² (psi)	0.49 (6.97)
Max traction force		kg (lb)	27300 (60200)

4) R300LC-9A HIGH WALKER

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



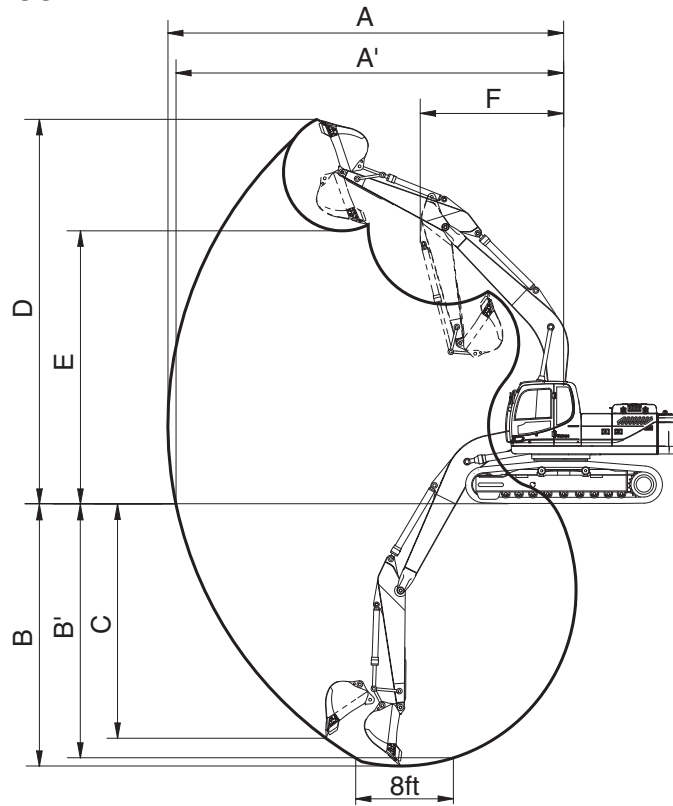
3009A2SP07

Description		Unit	Specification
Operating weight		kg (lb)	32640 (71960)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	1.27 (1.66)
Overall length	A	mm (ft-in)	10430 (34' 3")
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		2930 (9' 7")
Minimum ground clearance	H		765 (2' 6")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
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 (23' 6")
Travel speed (low/high)		km/hr (mph)	3.2/5.4 (2.0/3.4)
Swing speed		rpm	11.0
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.63 (8.96)
Max traction force		kg (lb)	27300 (60200)

3. WORKING RANGE

1) R300LC-9A, R300NLC-9A

· 6.25 m (20' 6") BOOM

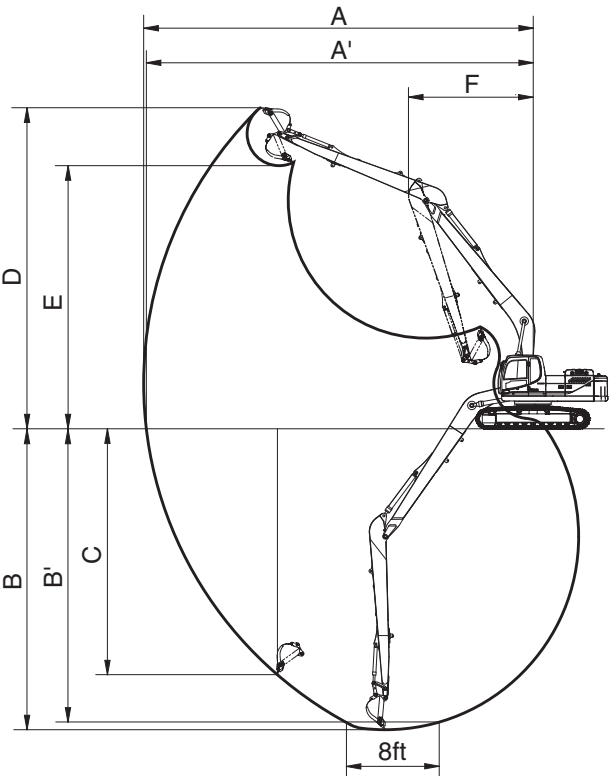


3009A2SP05

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' 9")	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' 2")	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")	7200 mm (23' 7")	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")	4190 mm (13' 9")
Bucket digging force	SAE	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN
		17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf
		37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf
	ISO	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN
		19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf
		43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf	43210 [46910] 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

2) R300LC-9A LONG REACH
 · 10.2 m (33' 6") BOOM

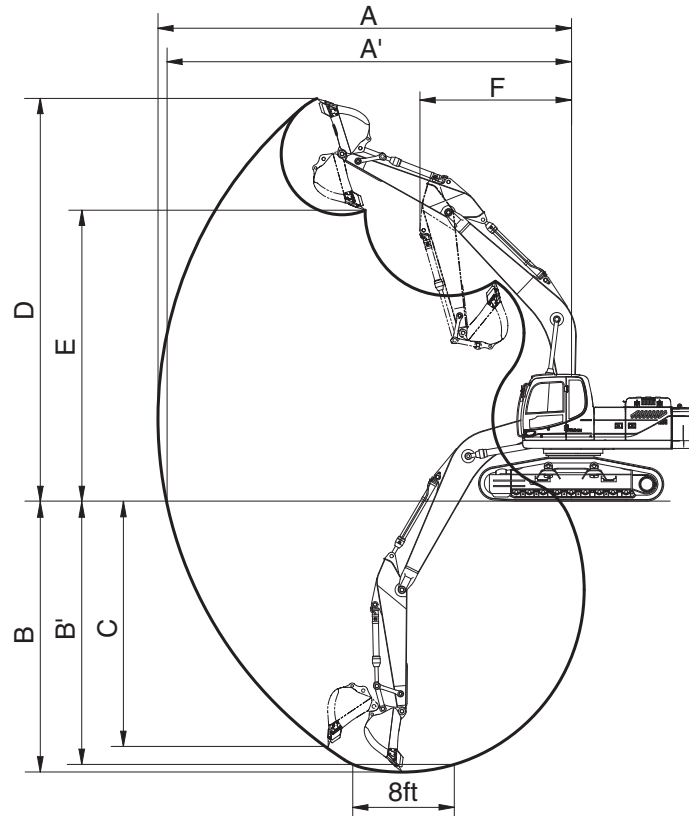


3009A2SP06

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 (40' 0")
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-9A HIGH WALKER

· 6.25 m (20' 6") BOOM



3009A2SP07

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' 9")	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")	4190 mm (13' 9")
Bucket digging force	SAE	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN	168.7 [183.1] kN
		17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf	17200 [18670] kgf
		37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf	37920 [41170] lbf
	ISO	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN	192.2 [208.7] kN
		19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf	19600 [21280] kgf
		43210 [46910] lbf	43210 [46910] lbf	43210 [46910] lbf	43210 [46910] 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-9A, R300NLC-9A

Item	R300LC-9A		R300NLC-9A	
	kg	lb	kg	lb
Upperstructure assembly	12250	27010	←	←
Main frame weld assembly	2740	6040	←	←
Engine assembly	520	1150	←	←
Main pump assembly	140	310	←	←
Main control valve assembly	220	490	←	←
Swing motor assembly	370	820	←	←
Hydraulic oil tank assembly	250	560	←	←
Fuel tank assembly	240	530	←	←
Counterweight	5100	11240	←	←
Cab assembly	435	960	←	←
Lower chassis assembly	10740	23680	10600	23370
Track frame weld assembly	3765	8300	3625	7990
Swing bearing	430	950	←	←
Travel motor assembly	360	790	←	←
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 m³ SAE heaped bucket)	5550	12240	←	←
6.25 m boom assembly	2285	5040	←	←
3.05 m arm assembly	1025	2260	←	←
1.27 m³ 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-9A LONG REACH

Item	R300LC-9A LONG REACH	
	kg	lb
Upperstructure assembly	14050	30980
Main frame weld assembly	2740	6040
Engine assembly	520	1150
Main pump assembly	140	310
Main control valve assembly	220	490
Swing motor assembly	370	820
Hydraulic oil tank assembly	250	560
Fuel tank assembly	240	530
Counterweight	7000	15450
Cab assembly	435	960
Lower chassis assembly	10900	24030
Track frame weld assembly	3765	8300
Swing bearing	430	950
Travel motor assembly	360	790
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 m³ SAE heaped bucket)	5920	13050
10.2 m boom assembly	2960	6530
7.85 m arm assembly	1340	2960
0.52 m³ 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-9A HIGH WALKER

Item	R300LC-9A HIGH WAKER	
	kg	lb
Upperstructure assembly	12250	27010
Main frame weld assembly	2740	6040
Engine assembly	520	1150
Main pump assembly	140	310
Main control valve assembly	220	490
Swing motor assembly	370	820
Hydraulic oil tank assembly	250	560
Fuel tank assembly	240	530
Counterweight	5100	11240
Cab assembly	435	960
Lower chassis assembly	12800	28220
Track frame weld assembly	5825	12840
Swing bearing	430	950
Travel motor assembly	360	790
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 m³ SAE heaped bucket)	5550	12240
6.25 m boom assembly	2285	5040
3.05 m arm assembly	1025	2260
1.27 m³ 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-9A

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

-  : 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	4670 10300	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	5050 11130	*5810 *12810	3740 8250	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	7210 15900	*6700 *14770	4930 10870	5380 11860	3270 7210	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	10410 22950	*8910 *19640	6740 14860	*7330 *16160	4710 10380	5080 11200	3060 6750	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	9710 21410	*10090 *22240	6340 13980	7480 16490	4500 9920	5070 11180	3030 6680	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	9490 20920	10450 23040	6120 13490	7330 16160	4360 9610	5360 11820	3210 7080	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	9510 20970	10380 22880	6050 13340	7290 16070	4340 9570	6080 13400	3670 8090	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	*18890 *41650	*13670 *30140	9690 21360	*10170 *22420	6150 13560			*6670 *14700	4700 10360	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	10100 22270							

- 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 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	5130 11310	*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	4970 10960	5140 11330	3120 6880	9.69 (31.8)
3.0 m (10 ft)	kg lb					*11680 *25750	10610 23390	*8460 *18650	6800 14990	*7000 *15430	4730 10430	4860 10710	2900 6390	9.90 (32.5)
1.5 m (5 ft)	kg lb					*13960 *30780	9780 21560	*9730 *21450	6360 14020	7480 16490	4500 9920	4830 10650	2870 6330	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	9450 20830	10430 22990	6090 13430	7290 16070	4330 9550	5070 11180	3010 6640	9.51 (31.2)
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	9400 20720	10310 22730	5980 13180	7220 15920	4260 9390	5690 12540	3400 7500	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	*20000 *44090	*14040 *30950	9530 21010	10370 22860	6040 13320			*6780 *14950	4270 9410	7.82 (25.7)
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	9870 21760							

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	3880 8550	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	5020 11070			4700 10360	2820 6220	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	*10510 *23170	*7800 *17200	6880 15170	*6530 *14400	4750 10470	*4420 *9740	3410 7520	4450 9810	2630 5800	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	9920 21870	*9190 *20260	6390 14090	*7320 *16140	4480 9880	*5230 *11530	3280 7230	4410 9720	2580 5690	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	9420 20770	*10220 *22530	6050 13340	7250 15980	4280 9440	*4600 *10140	3170 6990	4600 10140	2690 5930	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	9260 20410	10210 22510	5890 12990	7130 15720	4170 9190			5080 11200	2990 6590	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	*19250 *42440	*14380 *31700	9320 20550	10210 22510	5880 12960	7150 15760	4190 9240			6110 13470	3650 8050	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	*18400 *40570	*12820 *28260	9580 21120	*9370 *20660	6060 13360					*6400 *14110	5190 11440	6.97 (22.9)

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	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	4210 9280	2480 5470	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	4820 10630	*5060 *11160	3430 7560	4000 8820	2310 5090	11.02 (36.2)
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	10230 22550	*8410 *18540	6510 14350	*6760 *14900	4520 9960	5520 12170	3270 7210	3960 8730	2270 5000	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	9520 20990	*9670 *21320	6090 13430	7240 15960	4270 9410	5360 11820	3120 6880	4100 9040	2340 5160	10.68 (35.0)
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	9210 20300	10170 22420	5840 12870	7060 15560	4100 9040	5270 11620	3040 6700	4460 9830	2570 5670	10.12 (33.2)
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	*17210 *37940	*14640 *32280	9160 20190	10080 22220	5760 12700	7010 15450	4050 8930			5210 11490	3050 6720	9.25 (30.3)
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	19620 43250	*13660 *30120	9310 20530	*9980 *22000	5840 12870					*6200 *13670	4070 8970	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-9A

- (1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

·  : 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	4220 9300	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4560 10050	*5810 *12810	3360 7410	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	6510 14350	*6700 *14770	4430 9770	5340 11770	2920 6440	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	9270 20440	*8910 *19640	6050 13340	*7330 *16160	4220 9300	5040 11110	2710 5970	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	8590 18940	*10090 *22240	5660 12480	7420 16360	4020 8860	5030 11090	2690 5930	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	8390 18500	10380 22880	5440 11990	7270 16030	3880 8550	5320 11730	2850 6280	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	8400 18520	10300 22710	5380 11860	7240 15960	3850 8490	6040 13320	3270 7210	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	17640 38890	*13670 *30140	8580 18920	*10170 *22420	5480 12080			*6670 *14700	4210 9280	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	8970 19780							

- 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 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	3970 8750	8.34 (27.4)
6.0 m (20 ft)	kg lb									*5870 *12940	4640 10230	*5400 *11900	3190 7030	9.19 (30.2)
4.5 m (15 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	6600 14550	*6310 *13910	4470 9850	5100 11240	2770 6110	9.69 (31.8)
3.0 m (10 ft)	kg lb					*11680 *25750	9470 20880	*8460 *18650	6110 13470	*7000 *15430	4240 9350	4820 10630	2570 5670	9.90 (32.5)
1.5 m (5 ft)	kg lb					*13960 *30780	8660 19090	*9730 *21450	5680 12520	7420 16360	4010 8840	4790 10560	2530 5580	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	8340 18390	10350 22820	5410 11930	7240 15960	3840 8470	5030 11090	2660 5860	9.51 (31.2)
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	8290 18280	10230 22550	5310 11710	7160 15790	3780 8330	5650 12460	3020 6660	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	17290 38120	*14040 *30950	8420 18560	10290 22690	5360 11820			*6780 *14950	3810 8400	7.82 (25.7)
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	8750 19290							

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	3490 7690	8.94 (29.3)
6.0 m (20 ft)	kg lb									*5270 *11620	4730 10430			*4940 *10890	2850 6280	9.74 (32.0)
4.5 m (15 ft)	kg lb							*6380 *14070	*6380 *14070	*5780 *12740	4530 9990			4660 10270	2500 5510	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	9730 21450	*7800 *17200	6190 13650	*6530 *14400	4260 9390	*4420 *9740	3030 6680	4410 9720	2320 5110	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	8790 19380	*9190 *20260	5710 12590	*7320 *16140	4000 8820	*5230 *11530	2900 6390	4380 9660	2270 5000	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	8310 18320	*10220 *22530	5370 11840	7190 15850	3790 8360	*4600 *10140	2800 6170	4560 10050	2370 5220	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	8160 17990	10130 22330	5210 11490	7070 15590	3690 8140			5040 11110	2640 5820	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	16860 37170	*14380 *31700	8220 18120	10130 22330	5210 11490	7090 15630	3710 8180			6060 13360	3240 7140	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	17370 38290	*12820 *28260	8460 18650	*9370 *20660	5380 11860					*6400 *14110	4650 10250	6.97 (22.9)

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	3000 6610	9.67 (31.7)
6.0 m (20 ft)	kg lb									*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2480 5470	10.40 (34.1)
4.5 m (15 ft)	kg lb									*5050 *11130	4620 10190	*3970 *8750	3210 7080	4180 9220	2180 4810	10.83 (35.5)
3.0 m (10 ft)	kg lb			*14430 *31810	*14430 *31810	*8910 *19640	*8910 *19640	*6870 *15150	6360 14020	*5870 *12940	4330 9550	*5060 *11160	3050 6720	3960 8730	2030 4480	11.02 (36.2)
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	9090 20040	*8410 *18540	5820 12930	*6760 *14900	4030 8880	5470 12060	2890 6370	3920 8640	1980 4370	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	8410 18540	*9670 *21320	5400 11900	7190 15850	3780 8330	5320 11730	2750 6060	4060 8950	2040 4500	10.68 (35.0)
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	8100 17860	10090 22240	5160 11380	7010 15450	3620 7980	5230 11530	2670 5890	4420 9740	2250 4960	10.12 (33.2)
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	16480 36330	*14640 *32280	8050 17750	10000 22050	5090 11220	6950 15320	3570 7870			5170 11400	2690 5930	9.25 (30.3)
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	16880 37210	*13660 *30120	8200 18080	*9980 *22000	5170 11400					*6200 *13670	3620 7980	7.92 (26.0)

3) R300LC-9A LONG REACH

(1) 10.2 m (33' 6") boom, 7.85 m (25' 9") arm equipped with 0.52 m³ (SAE heaped) bucket and 800 mm (32") triple grouser shoe.

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

Load point height		Load radius														At max. reach		
		6.0 m (20.0 ft)		7.5 m (25.0ft)		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		Reach
																		m (ft)
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	1800 3970	16.18 (53.1)
9.0 m 30.0 ft	kg lb													*1520 *3350	*1520 *3350	*1860 *4100	1570 3460	16.89 (55.4)
7.5 m 25.0 ft	kg lb											*1890 *4170	*1890 *4170	*1830 *4030	*1830 *4030	*1910 *4210	1400 3090	17.44 (57.2)
6.0 m 20.0 ft	kg lb											*2030 *4480	*2030 *4480	*2010 *4430	1990 4390	*1970 *4340	1280 2820	17.83 (58.5)
4.5 m 15.0 ft	kg lb									*2330 *5140	*2330 *5140	*2210 *4870	*2210 *4870	*2140 *4720	1900 4190	*2040 *4500	1180 2600	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	2260 4980	*2290 *5050	1790 3950	2090 4610	1120 2470	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	2640 5820	*2640 *5820	2110 4650	*2450 *5400	1690 3730	2050 4520	1080 2380	18.19 (59.7)
Ground /line	kg lb	*7310 *16120	6760 14990	*5460 *12040	5010 11050	*4370 *9630	3870 8530	*3670 *8090	3060 6750	*3190 *7030	2450 5400	*2860 *6310	1970 4340	*2610 *5750	1590 3510	2040 4500	1060 2340	18.04 (59.2)
-1.5 m -5.0 ft	kg lb	*8140 *17950	6190 13650	*6090 *13430	4590 10120	*4840 *10670	3560 7850	*4020 *8860	2830 6240	*3460 *7630	2280 5030	*3060 *6750	1850 4080	2740 6040	1510 3330	2070 4560	1070 2360	17.76 (58.3)
-3.0 m -10.0 ft	kg lb	*8680 *19140	5870 12940	*6550 *14440	4310 9500	*5210 *11490	3340 7360	*4320 *9520	2660 5860	*3690 *8140	2150 4740	3160 6970	1760 3880	2670 5890	1440 3170	2140 4720	1110 2450	17.33 (56.9)
-4.5 m -15.0 ft	kg lb	*8980 *19800	5710 12590	*6850 *15100	4150 9150	*5480 *12080	3190 7030	*4500 *9920	2540 5600	3690 8140	2060 4540	3090 6810	1690 3730	2630 5800	1400 3090	2250 4960	1180 2600	16.75 (55.0)
-6.0 m -20.0 ft	kg lb	*9060 *19970	5680 12520	*7000 *15430	4080 8990	5550 12240	3120 6880	4430 9770	2480 5470	3640 8020	2010 4430	3060 6750	1660 3660	2620 5780	1390 3060	2440 5380	1300 2870	15.99 (52.5)
-7.5 m -25.0 ft	kg lb	*8940 *19710	5740 12650	*6980 *15390	4090 9020	5540 12210	3120 6880	4420 9740	2470 5450	3640 8020	2010 4430	3080 6790	1670 3680			2710 5970	1480 3260	15.04 (49.3)
-9.0 m -30.0 ft	kg lb	*8600 *18960	5890 12990	*6780 *14950	4180 9220	*5520 *12170	3170 6990	4470 9850	2520 5560	3700 8160	2060 4540					*3070 *6770	1770 3900	13.83 (45.4)
-10.5 m -35.0 ft	kg lb	*7990 *17610	6120 13490	*6350 *14000	4340 9570	*5180 *11420	3300 7280	*4270 *9410	2640 5820	*3500 *7720	2190 4830					*3230 *7120	2240 4940	12.31 (40.4)
-12.0 m -40.0 ft	kg lb	*7010 *15450	6460 14240	*5590 *12320	4600 10140	*4510 *9940	3530 7780											
-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-9A HIGH WALKER

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

•  : 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	5540 12210	8.21 (26.9)
6.0 m (20 ft)	kg lb					*6710 *14790	*6710 *14790	*6390 *14090	6290 13870	*5840 *12870	4600 10140	9.02 (29.6)
4.5 m (15 ft)	kg lb			*10170 *22420	*10170 *22420	*7830 *17260	*7830 *17260	*6810 *15010	6130 13510	*6000 *13230	4120 9080	9.48 (31.1)
3.0 m (10 ft)	kg lb			*13040 *28750	12980 28620	*9160 *20190	8370 18450	*7460 *16450	5910 13030	5860 12920	3920 8640	9.65 (31.7)
1.5 m (5 ft)	kg lb			*14740 *32500	12370 27270	*10270 *22640	7990 17610	*8080 *17810	5700 12570	5910 13030	3940 8690	9.53 (31.3)
Ground Line	kg lb			*15120 *33330	12210 26920	*10860 *23940	7790 17170	8420 18560	5580 12300	6310 13910	4220 9900	9.13 (30.0)
-1.5 m (-5 ft)	kg lb	*15930 *35120	*15930 *35120	*14660 *32320	12260 27030	*10820 *23850	7760 17110	*8290 *18280	5580 12300	*6770 *14930	4860 10710	8.40 (27.6)
-3.0 m (-10 ft)	kg lb	*18380 *40520	*18380 *40520	*13340 *29410	12480 27510	*9900 *21830	7900 17420			*6590 *14530	6340 13980	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 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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	5240 11550	8.53 (28.0)
6.0 m (20 ft)	kg lb							*6190 *13650	*6190 *13650	*5920 *13050	*5920 *13050	*5430 *11970	4380 9660	9.31 (30.5)
4.5 m (15 ft)	kg lb					*9290 *20480	*9290 *20480	*7330 *16160	*7330 *16160	*6430 *14180	6170 13600	*5630 *12410	3930 8660	9.75 (32.0)
3.0 m (10 ft)	kg lb					*12200 *26900	*12200 *26900	*8720 *19220	8430 18580	*7140 *15740	5920 13050	5530 12190	3740 8250	9.91 (32.5)
1.5 m (5 ft)	kg lb					*14240 *31390	12420 27830	*9930 *21890	8010 17660	*7830 *17260	5690 12540	5560 12260	3740 8250	9.80 (32.2)
Ground Line	kg lb			*10120 *22310	*10120 *22310	*14990 *33050	12140 26760	*10680 *23550	7760 17110	8270 18230	5540 12210	5900 13010	3970 8750	9.42 (30.9)
-1.5 m (-5 ft)	kg lb	*13060 *28790	*13060 *28790	*16430 *36220	*16430 *36220	*14810 *32650	12130 26740	*10820 *23850	7680 16930	8220 18120	5500 12130	*6670 *14700	4530 9990	8.71 (28.6)
-3.0 m (-10 ft)	kg lb	*18310 *40370	*18310 *40370	*19530 *43060	*19530 *43060	*13770 *30360	12310 27140	*10190 *22470	7770 17130			*6770 *14930	5760 12700	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 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

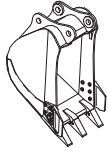
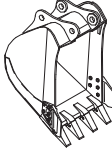
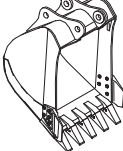
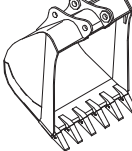
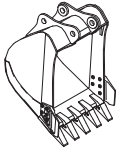
Load point height		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m (25 ft)	kg lb									*3560 *7850	*3560 *7850			*4810 *10600	4680 10320	9.12 (29.9)
6.0 m (20 ft)	kg lb									*5340 *11770	*5340 *11770			*4970 *10960	3970 8750	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	3590 7910	10.26 (33.7)
3.0 m (10 ft)	kg lb					*11060 *24380	*11060 *24380	*8070 *17790	*8070 *17790	*6680 *14730	5940 13100	*4640 *10230	4350 9590	5080 11200	3410 7520	10.41 (34.2)
1.5 m (5 ft)	kg lb			*7260 *16010	*7260 *16010	*13460 *29670	12530 27620	*9420 *20770	8030 17700	*7460 *16450	5680 12520	*5260 *11600	4220 9300	5090 11220	3400 7550	10.31 (33.8)
Ground Line	kg lb			*10880 *23990	*10880 *23990	*14670 *32340	12090 26650	*10360 *22840	7710 17000	*8040 *17730	5480 12080			5360 11820	3580 7890	9.95 (32.6)
-1.5 m (-5 ft)	kg lb	*11690 *25770	*11690 *25770	*15110 *33310	*15110 *33310	*14860 *32760	11980 26410	*10720 *23630	7570 16690	8120 17900	5390 11880			5980 13180	4010 8840	9.29 (30.5)
-3.0 m (-10 ft)	kg lb	*15680 *34570	*15680 *34570	*20360 *44890	*20360 *44890	*14180 *31260	12080 26630	*10400 *22930	7600 16760	*7880 *17370	5440 11990			*6450 *14220	4930 10870	8.24 (27.0)
-4.5 m (-15 ft)	kg lb	*20460 *45110	*20460 *45110	*17650 *38910	*17650 *38910	*12350 *27230	*12350 *27230	*8950 *19730	7840 17280							

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

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													*4260 *9390	4090 9020	9.83 (32.3)
6.0 m (20 ft)	kg lb									*4560 *10050	*4560 *10050	*2880 *6350	*2880 *6350	*4430 *9770	3520 7760	10.50 (34.4)
4.5 m (15 ft)	kg lb									*5200 *11460	*5200 *11460	*4190 *9240	*4190 *9240	*4640 *10230	3200 7050	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	6010 13250	*5270 *11620	4370 9630	4590 10120	3040 6700	11.03 (36.2)
1.5 m (5 ft)	kg lb			*10240 *22580	*10240 *22580	*12280 *27070	*12280 *27070	*8680 *19140	8130 17920	*6920 *15260	5700 12570	*5940 *13100	4200 9260	4590 10120	3030 6680	10.93 (35.9)
Ground Line	kg lb	*7420 *16360	*7420 *16360	*11300 *24910	*11300 *24910	*14040 *30950	12170 26830	*9850 *21720	7730 17040	*7660 *16890	5460 12040	6130 13510	4070 8970	4780 10540	3160 6970	10.59 (34.7)
-1.5 m (-5 ft)	kg lb	*10420 *22970	*10420 *22970	*14140 *31170	*14140 *31170	*14740 *32500	11900 26230	*10500 *23150	7510 16560	8040 17730	5320 11730	*5080 *11200	4000 8820	5260 11600	3480 7670	9.98 (32.7)
-3.0 m (-10 ft)	kg lb	*13660 *30120	*13660 *30120	*18040 *39770	*18040 *39770	*14540 *32060	11890 26210	*10540 *23240	7460 16450	8010 17660	5290 11660			*6020 *13270	4150 9150	9.03 (29.6)
-4.5 m (-15 ft)	kg lb	*17460 *38490	*17460 *38490	*19680 *43390	*19680 *43390	*13340 *29410	12090 26650	*9740 *21470	7580 16710					*6220 *13710	5610 12370	7.60 (24.9)

6. BUCKET SELECTION GUIDE

1) GENERAL BUCKET

				
0.79 m³ SAE heaped bucket	1.03 m³ SAE heaped bucket	1.27, 1.38, 1.50 m³ SAE heaped bucket	1.73, 1.85 m³ SAE heaped bucket	★0.52 m³ SAE heaped bucket

Capacity		Width		Weight	Recommendation				
					6.25 m (20' 6") boom				10.2 m (33' 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")	7.85 m arm (25' 9")
0.79 m³ (1.03 yd³)	0.70 m³ (0.92 yd³)	890 mm (35.0")	1010 mm (39.8")	790 kg (1740 lb)					
1.03 m³ (1.35 yd³)	0.90 m³ (1.18 yd³)	1090 mm (42.9")	1210 mm (47.6")	890 kg (1960 lb)					
1.27 m³ (1.66 yd³)	1.10 m³ (1.44 yd³)	1290 mm (50.8")	1410 mm (55.5")	1010 kg (2230 lb)					
1.38 m³ (1.80 yd³)	1.20 m³ (1.57 yd³)	1400 mm (55.1")	1520 mm (59.8")	1060 kg (2340 lb)					
1.50 m³ (1.96 yd³)	1.30 m³ (1.70 yd³)	1490 mm (58.7")	1610 mm (63.4")	1080 kg (2380 lb)					
1.73 m³ (2.26 yd³)	1.50 m³ (1.96 yd³)	1700 mm (66.9")	1820 mm (71.7")	1170 kg (2580 lb)					
1.85 m³ (2.42 yd³)	1.60 m³ (2.09 yd³)	1800 mm (70.9")	1920 mm (75.6")	1230 kg (2710 lb)					
0.52 m³ (0.68 yd³)	0.45 m³ (0.59 yd³)	935 mm (36.8")	1035 mm (40.7")	460 kg (1010 lb)					

★ : Long reach bucket



Applicable for materials with density of 2000 kg/m³ (3370 lbf/yd³) or less

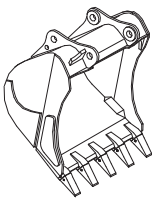
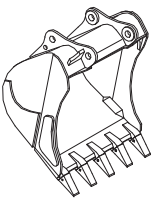
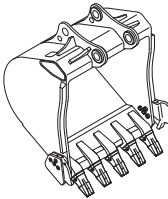
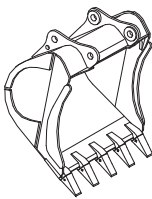


Applicable for materials with density of 1600 kg/m³ (2700 lbf/yd³) or less



Applicable for materials with density of 1100 kg/m³ (1850 lbf/yd³) or less

2) HEAVY DUTY, ROCK-HEAVY DUTY AND CASTING BUCKET

			
◆ 1.07m³ SAE ◆ 1.15m³ SAE heaped bucket	◆ 1.27m³ SAE ◆ 1.46m³ SAE heaped bucket	■ 1.27m³ SAE heaped bucket	⊙ 1.16m³ SAE ⊙ 1.49m³ 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")
◆1.07 m³ (1.40 yd³)	0.95 m³ (1.24 yd³)	1150 mm (45.3")	-	1120 kg (2470 lb)				
◆1.15 m³ (1.50 yd³)	1.00 m³ (1.31 yd³)	1210 mm (47.6")	-	1160 kg (2560 lb)				
◆1.27 m³ (1.66 yd³)	1.10 m³ (1.44 yd³)	1310 mm (51.6")	-	1240 kg (2730 lb)				
◆1.46 m³ (1.91 yd³)	1.28 m³ (1.67 yd³)	1460 mm (57.5")	-	1320 kg (2910 lb)				
⊙1.16 m³ (1.52 yd³)	1.00 m³ (1.31 yd³)	1340 mm (52.8")	-	1280 kg (2820 lb)				
⊙1.49 m³ (1.95 yd³)	1.28 m (1.67 yd³)	1620 mm (63.8")	-	1440 kg (3170 lb)				
■1.27 m³ (1.66 yd³)	1.10 m³ (1.44 yd³)	1310 mm (51.6")	1340 mm (52.8")	1300 kg (2870 lb)				

◆ : Heavy duty bucket

⊙ : Rock-Heavy duty bucket

■ : Casting bucket

 Applicable for materials with density of 2000 kgf/m³ (3370 lbf/yd³) or less

 Applicable for materials with density of 1600 kgf/m³ (2700 lbf/yd³) or less

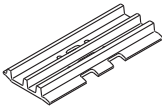
 Applicable for materials with density of 1100 kgf/m³ (1850 lbf/yd³) or less

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-9A	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	900 (36)
	Operating weight	kg (lb)	29800 (65700)	30380 (66980)	30960 (68260)	31540 (69530)
	Ground pressure	kgf/cm ² (psi)	0.57 (8.11)	0.50 (7.11)	0.45 (6.40)	0.40 (5.69)
	Overall width	mm (ft-in)	3200 (10' 6")	3300 (10' 10")	3400 (11' 1")	3500 (11' 5")
R300NLC-9A	Shoe width	mm (in)	600 (24)	-	-	-
	Operating weight	kg (lb)	29600 (65260)	-	-	-
	Ground pressure	kgf/cm ² (psi)	0.57 (8.11)	-	-	-
	Overall width	mm (ft-in)	2990 (9' 10")	-	-	-
R300LC-9A LONG REACH	Shoe width	mm (in)	-	-	800 (32)	-
	Operating weight	kg (lb)	-	-	33930 (74800)	-
	Ground pressure	kgf/cm ² (psi)	-	-	0.49 (6.97)	-
	Overall width	mm (ft-in)	-	-	3400 (11' 2")	-
R300LC-9A HIGH WALKER	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	★710 (28)
	Operating weight	kg (lb)	32640 (71960)	33220 (73240)	33580 (74030)	34120 (75220)
	Ground pressure	kgf/cm ² (psi)	0.63 (8.96)	0.55 (7.82)	0.48 (6.83)	0.55 (7.82)
	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	• Travel at low speed on rough ground with large obstacles such as boulders or fallen trees
B	Normal soil, soft ground	• These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees • Travel at high speed only on flat ground • Travel slowly at low speed if it is impossible to avoid going over obstacles
C	Extremely soft ground (swampy ground)	• Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B • These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees • Travel at high speed only on flat ground • Travel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins QSB6.7
Type	4-cycle turbocharged, charger air cooled 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	107 × 124 mm (4.21" × 4.88")
Piston displacement	6700 cc (409 cu in)
Compression ratio	17.3 : 1
Rated gross horse power (SAE J1995)	225 Hp at 1900 rpm (168 kW at 1900 rpm)
Maximum torque	96.8 kgf · m (700 lbf · ft) at 1400 rpm
Engine oil quantity	23.1 l (6.1 U.S. gal)
Wet weight	519 kg (1144 lb)
High idling speed	1950 ± 50 rpm
Low idling speed	1000 ± 100 rpm
Rated fuel consumption	158.8 g/Hp · hr at 1900 rpm
Starting motor	Denso 24 V-4.8 kW
Alternator	Denso 24 V-95 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 ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Rated oil flow	2 × 266 l /min (70.3 U.S. gpm / 58.5 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 ² (570 psi)
Rated oil flow	28.5 l /min (7.5 U.S. gpm/6.3 U.K. gpm)

4) MAIN CONTROL VALVE

Item		Specification	
		R300LC-9A	R300LC-9A Long reach
Type		10 spools	
Operating method		Hydraulic pilot system	
Main relief valve pressure		350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]	350 kgf/cm ² (4980 psi) [Not applied power boost]
Port relief valve pressure	Boom	400 kgf/cm ² (5690 psi)	400 kgf/cm ² (5690 psi)
	Arm	400 kgf/cm ² (5690 psi)	250 kgf/cm ² (3560 psi)
	Bucket	400 kgf/cm ² (5690 psi)	270 kgf/cm ² (3840 psi)

[]: Power boost

5) SWING MOTOR

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

6) TRAVEL MOTOR

Item	Specification	
	Type 1	Type 2
Type	Variable displacement axial piston motor	
Relief pressure	350 kgf/cm ² (4980 psi)	
Capacity	154.8/88.5 cc/rev	282.6/156.9 cc/rev
Reduction gear type	3-stage planetary	
Braking system	Automatic, spring applied hydraulic released	
Brake release pressure	9 kgf/cm ² (128 psi)	14.8 kgf/cm ² (211 psi) below
Braking torque	40 kgf · m (290 lbf · ft)	100 kgf/cm ² (723 lbf · ft) over

7) CYLINDER

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

8) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
R300LC-9A	Standard	600 mm (24")	0.57 kgf/cm ² (8.11 psi)	48	3200 mm (10' 6")
	Option	700 mm (28")	0.50 kgf/cm ² (7.11 psi)	48	3300 mm (10' 10")
		800 mm (32")	0.44 kgf/cm ² (6.28 psi)	48	3400 mm (11' 1")
		900 mm (36")	0.40 kgf/cm ² (5.69 psi)	48	3500 mm (11' 5")
R300NLC-9A	Standard	600 mm (24")	0.57 kgf/cm ² (8.11 psi)	48	2990 mm (9' 10")
R300LC-9A LONG REACH	Standard	800 mm (32")	0.49 kgf/cm ² (6.97 psi)	48	3400 mm (11' 2")
R300LC-9A HIGH WALKER	Standard	600 mm (24")	0.63 kgf/cm ² (8.96 psi)	48	3470 mm (11' 5")
	Option	700 mm (28")	0.55 kgf/cm ² (7.82 psi)	48	3570 mm (11' 9")
		800 mm (32")	0.48 kgf/cm ² (6.83 psi)	48	3670 mm (12' 0")
		★710 mm (28")	0.55 kgf/cm ² (7.82 psi)	48	3580 mm (11' 9")

★ : Double grouser

9) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
R300LC-9A R300NLC-9A H/WALKER	0.79 m ³ (1.03 yd ³)	0.70 m ³ (0.92 yd ³)	3	890 mm (35.0")	1010 mm (39.8")
	1.03 m ³ (1.35 yd ³)	0.90 m ³ (1.18 yd ³)	4	1090 mm (42.9")	1210 mm (47.6")
	◆ 1.07 m ³ (1.40 yd ³)	0.95 m ³ (1.24 yd ³)	5	1150 mm (45.3")	-
	◆ 1.15 m ³ (1.50 yd ³)	1.00 m ³ (1.31 yd ³)	5	1210 mm (47.6")	-
	1.27 m ³ (1.66 yd ³)	1.10 m ³ (1.44 yd ³)	5	1290 mm (50.8")	1410 mm (55.5")
	◆ 1.27 m ³ (1.66 yd ³)	1.10 m ³ (1.44 yd ³)	5	1210 mm (47.6")	-
	■ 1.27 m ³ (1.66 yd ³)	1.10 m ³ (1.44 yd ³)	5	1310 mm (51.6")	1340 mm (52.8")
	1.38 m ³ (1.80 yd ³)	1.20 m ³ (1.57 yd ³)	5	1400 mm (55.1")	1520 mm (59.8")
	◆ 1.46 m ³ (1.91 yd ³)	1.28 m ³ (1.67 yd ³)	5	1460 mm (57.5")	-
	⊙ 1.16 m ³ (1.52 yd ³)	1.00 m ³ (1.05 yd ³)	5	1340 mm (52.8")	-
	⊙ 1.49 m ³ (1.95 yd ³)	1.28 m ³ (1.67 yd ³)	5	1620 mm (63.8")	-
	1.50 m ³ (1.96 yd ³)	1.30 m ³ (1.70 yd ³)	6	1490 mm (58.7")	1610 mm (63.4")
	1.73 m ³ (2.26 yd ³)	1.50 m ³ (1.96 yd ³)	6	1700 mm (66.9")	1820 mm (71.7")
	1.85 m ³ (2.42 yd ³)	1.60 m ³ (2.09 yd ³)	5	1800 mm (70.9")	1920 mm (75.6")
LONG REACH	0.52 m ³ (0.68 yd ³)	0.45 m ³ (0.59 yd ³)	5	935 mm (36.8")	1035 mm (40.7")

◆ : Heavy duty bucket

⊙ : Rock-Heavy duty bucket

■ : Casting 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	23.1 (6.1)		★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		Type 1	8.0×2 (2.1×2)	SAE 80W-90						
		Type 2	7.8×2 (2.1×2)							
Hydraulic tank	Hydraulic oil	Tank ; 190 (50) System ; 330 (87)		★ISO VG 15						
				ISO VG 32						
				ISO VG 46						
				ISO VG 68						
Fuel tank	Diesel fuel★ ¹	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 soft water★ ²	40 (10.6)		Ethylene glycol base permanent type (50 : 50)						
				★Ethylene glycol base permanent type (60 : 40)						

SAE : Society of Automotive Engineers

API : American Petroleum Institute

ISO : International Organization for Standardization

NLGI : National Lubricating Grease Institute

ASTM : American Society of Testing and Material

★¹ : Ultra low sulfur diesel

- sulfur content ≤ 15 ppm

★² : Soft water

City water or distilled water

★ : Cold region

Russia, CIS, Mongolia