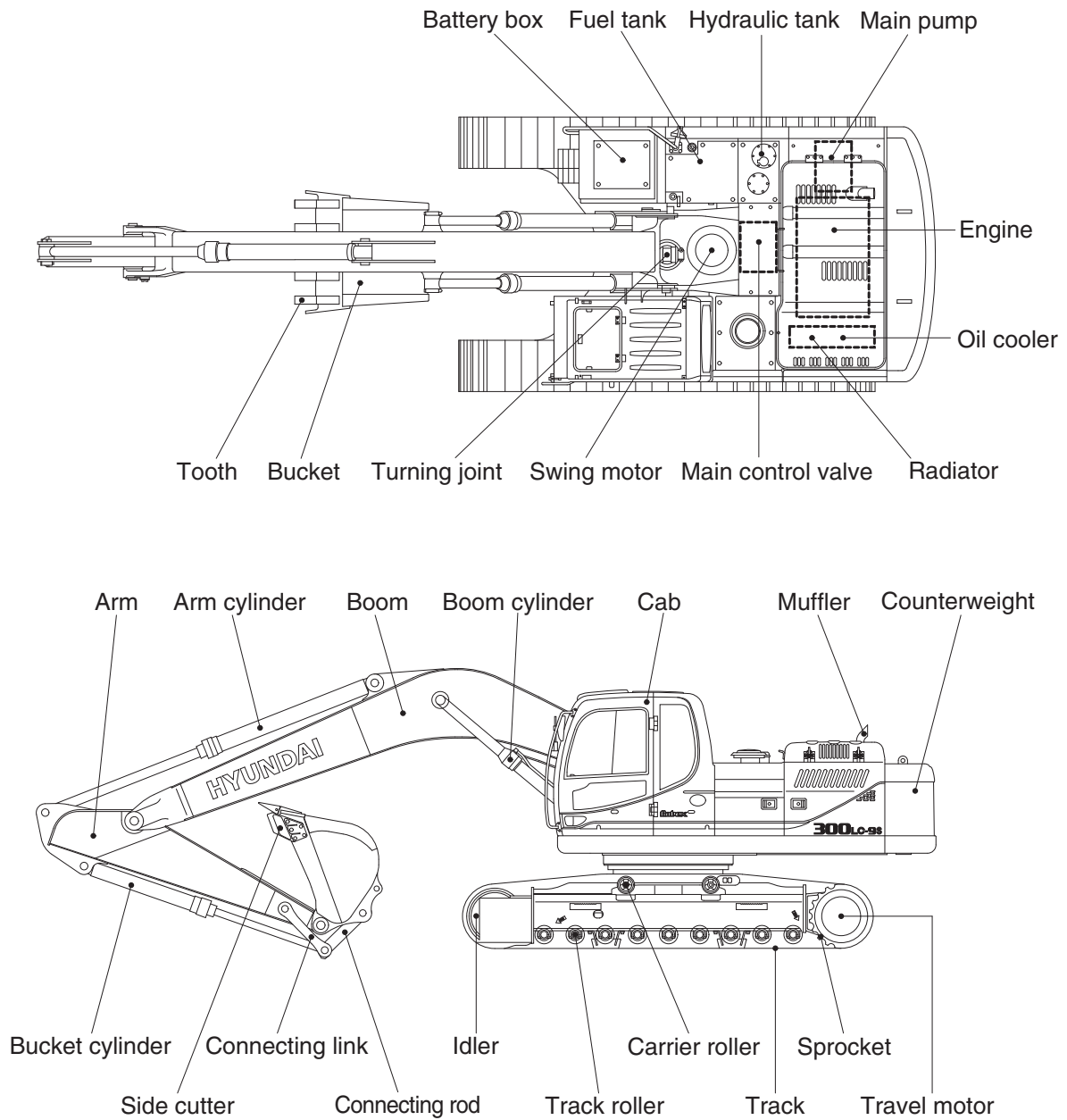


SPECIFICATIONS

1. MAJOR COMPONENT

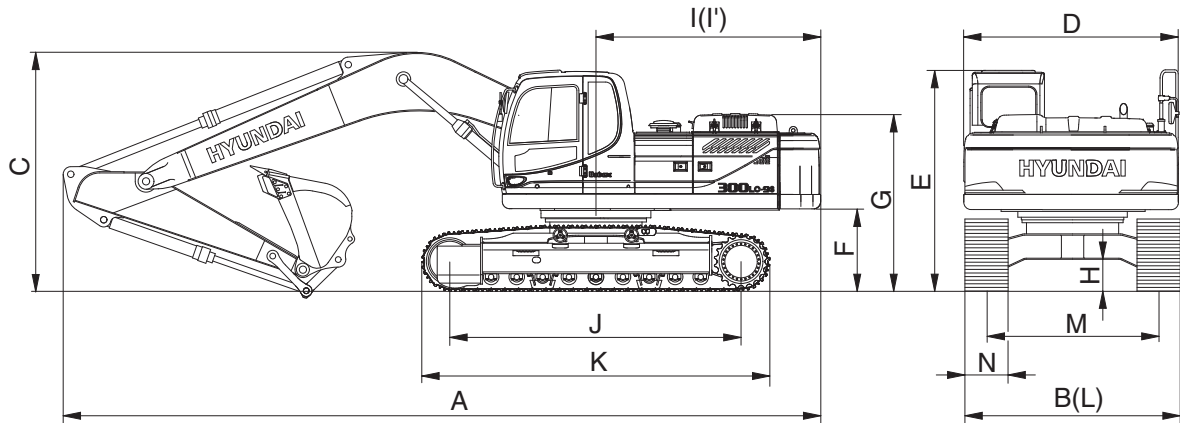


3009S2SP01

2. SPECIFICATIONS

1) R300LC-9S

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

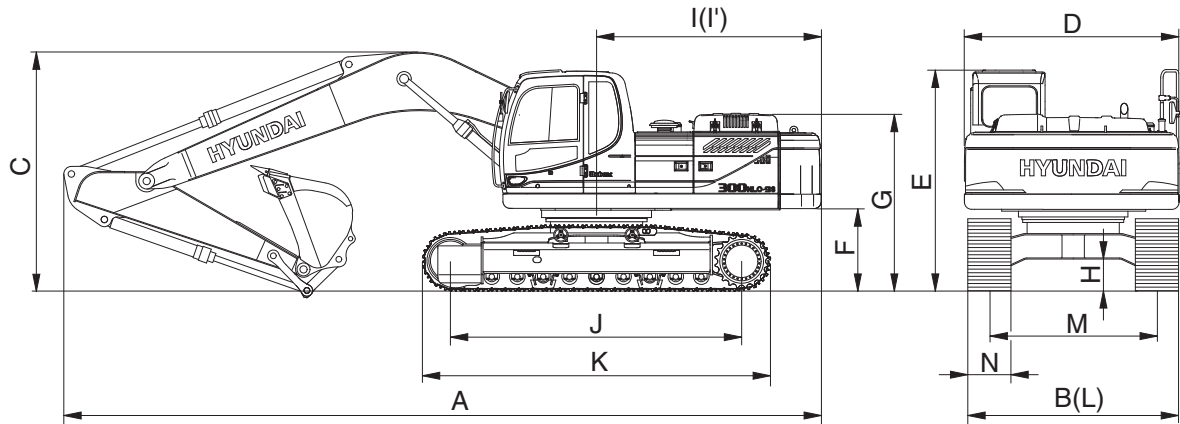


3009S2SP02

Description		Unit	Specification
Operating weight		kg (lb)	29700 (65480)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	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 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)	3.4/6.0 (2.1/3.7)
Swing speed		rpm	11.6
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-9S

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

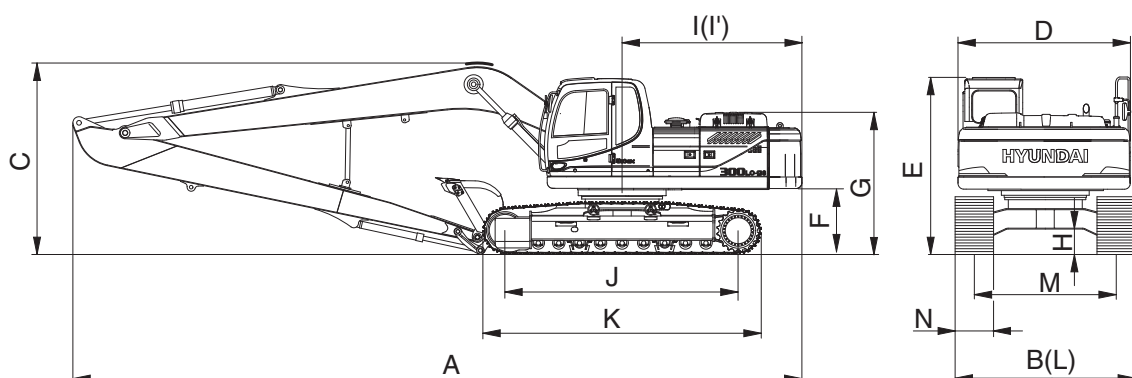


3009S2SP03

Description		Unit	Specification
Operating weight		kg (lb)	29500 (65040)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	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)	3.4/6.0 (2.1/3.7)
Swing speed		rpm	11.6
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-9S LONG REACH

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

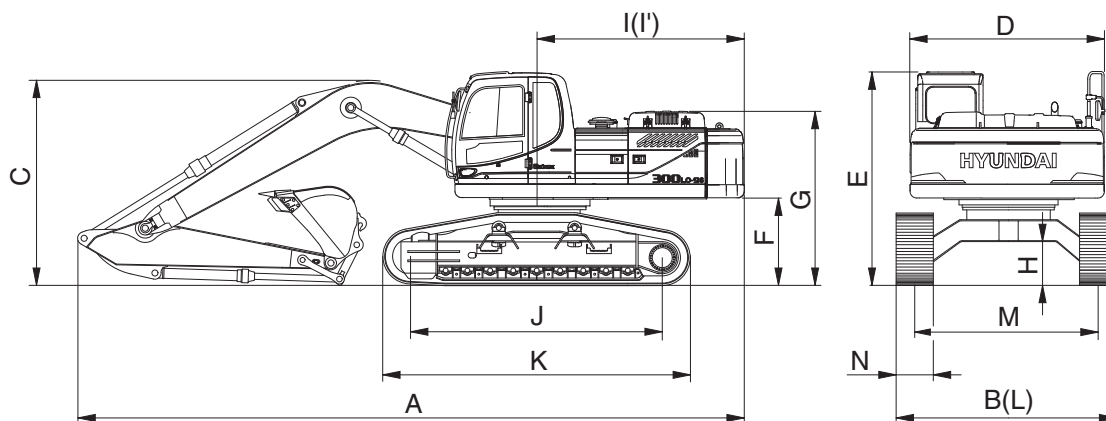


3009S2SP04

Description		Unit	Specification
Operating weight		kg (lb)	33580 (74030)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.52 (0.68)
Overall length	A	mm (ft-in)	14745 (48' 5")
Overall width, with 800 mm shoe	B		3400 (11' 2")
Overall height	C		3560 (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'		3345 (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)	3.4/6.0 (2.1/3.7)
Swing speed		rpm	11.6
Gradeability		Degree (%)	35 (70)
Ground pressure (800 mm shoe)		kgf/cm ² (psi)	0.48 (6.83)
Max traction force		kg (lb)	27300 (60200)

4) R300LC-9S HIGH WALKER

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



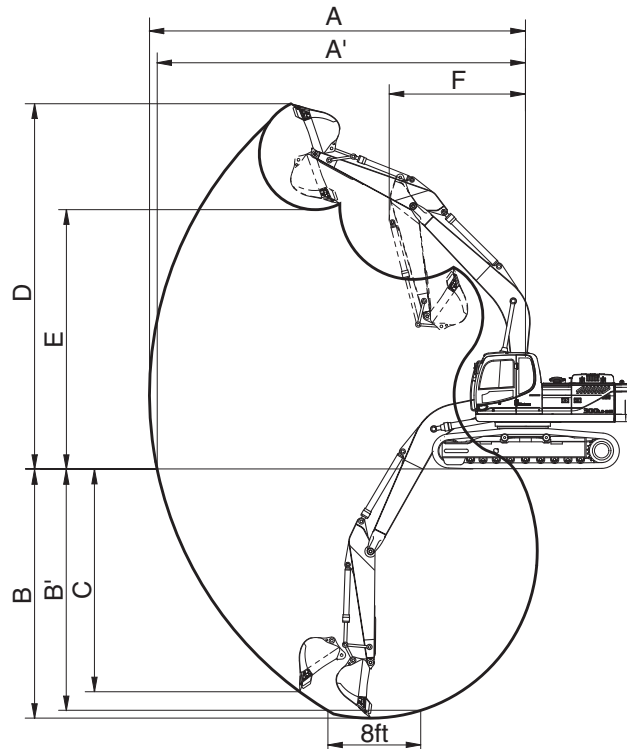
3009S2SP05

Description		Unit	Specification
Operating weight		kg (lb)	32540 (71740)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	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)	3.4/6.0 (2.1/3.7)
Swing speed		rpm	11.6
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm ² (psi)	0.62 (8.82)
Max traction force		kg (lb)	27300 (60200)

3. WORKING RANGE

1) R300LC-9S, R300NLC-9S

· 6.25 m (20' 6") BOOM

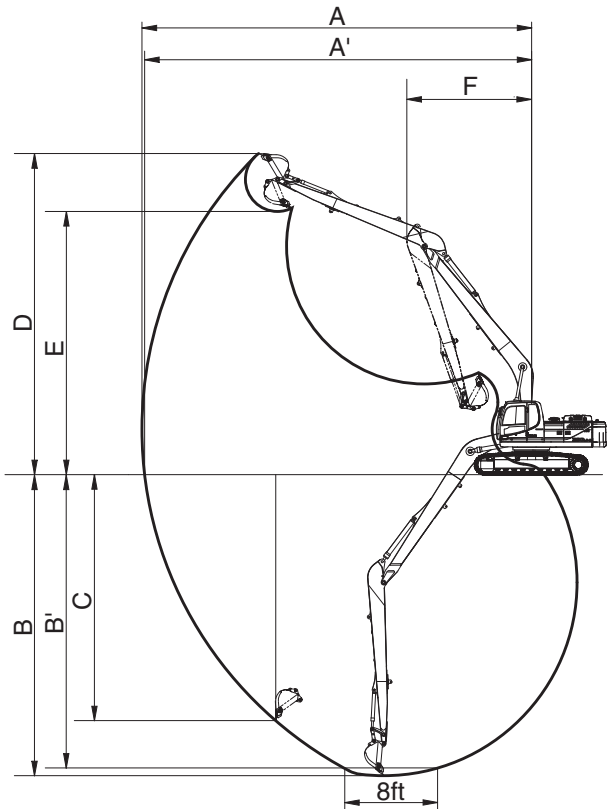


3009SH2SP06

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")	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-9S LONG REACH
 · 10.2 m (33' 6") BOOM

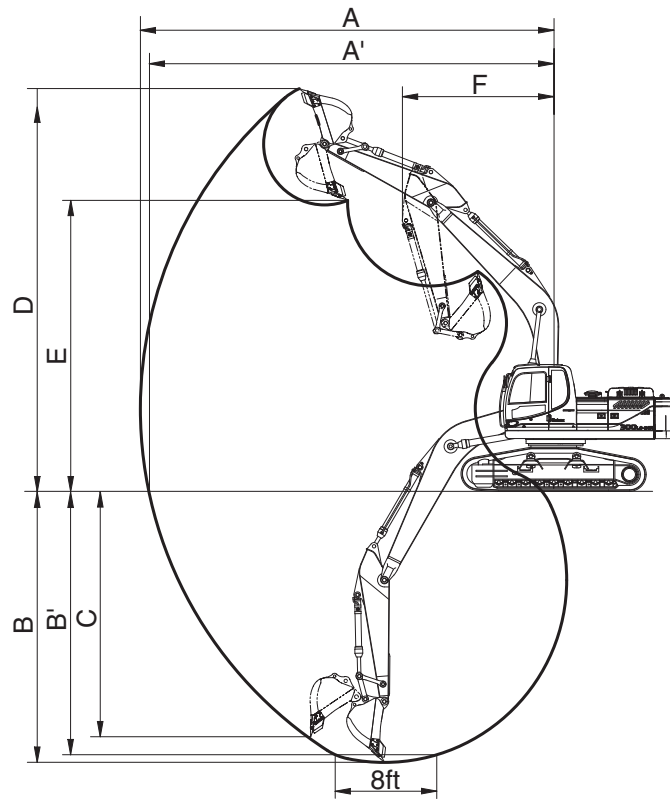


29092SP06

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 (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-9S 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 [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-9S, R300NLC-9S

Item	R300LC-9SH		R300NLC-9SH	
	kg	lb	kg	lb
Upperstructure assembly	12250	27010	←	←
Main frame weld assembly	2740	6040	←	←
Engine assembly	620	1370	←	←
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	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	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-9S LONG REACH

Item	R300LC-9SH LONG REACH	
	kg	lb
Upperstructure assembly	14050	30980
Main frame weld assembly	2740	6040
Engine assembly	620	1370
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	490	1080
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-9S HIGH WALKER

Item	R300LC-9SH HIGH WAKER	
	kg	lb
Upperstructure assembly	12250	27010
Main frame weld assembly	2740	6040
Engine assembly	620	1370
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	4600	10140
Cab assembly	490	1080
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-9S

(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 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	4600 10140	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4980 10980	*5810 *12810	3680 8110	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	7110 15670	*6700 *14770	4850 10690	5310 11710	3210 7080	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	10260 22620	*8910 *19640	6640 14640	*7330 *16160	4630 10210	5020 11070	3000 6610	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	9550 21050	*10090 *22240	6240 13760	7390 16290	4430 9770	5010 11050	2970 6550	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	9340 20590	10330 22770	6010 13250	7230 15940	4290 9460	5290 11660	3150 6940	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	9360 20640	10250 22600	5950 13120	7200 15870	4260 9390	6010 13250	3600 7940	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	*18890 *41650	*13670 *30140	9540 21030	*10170 *22420	6050 13340			*6670 *14700	4620 10190	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	9950 21940							

- 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 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	4330 9550	8.34 (27.4)
6.0 m (20 ft)	kg lb									*5870 *12940	5060 11160	*5400 *11900	3500 7720	9.19 (30.2)
4.5 m (15 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	*7090 *15630	*6310 *13910	4890 10780	5070 11180	3060 6750	9.69 (31.8)
3.0 m (10 ft)	kg lb					*11680 *25750	10460 23060	*8460 *18650	6700 14770	*7000 *15430	4650 10250	4790 10560	2850 6280	9.90 (32.5)
1.5 m (5 ft)	kg lb					*13960 *30780	9630 21230	*9730 *21450	6260 13800	7380 16270	4420 9740	4770 10520	2810 6190	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	9290 20480	10300 22710	5980 13180	7200 15870	4250 9370	5010 11050	2950 6500	9.51 (31.2)
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	9240 20370	10180 22440	5880 12960	7130 15720	4190 9240	5620 12390	3340 7360	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	19740 43520	*14040 *30950	9380 20680	10240 22580	5930 13070			*6780 *14950	4190 9240	7.82 (25.7)
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	9720 21430							

(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 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	3820 8420	8.94 (29.3)
6.0 m (20 ft)	kg lb									*5270 *11620	5150 11350			*4940 *10890	3140 6920	9.74 (32.0)
4.5 m (15 ft)	kg lb							*6380 *14070	*6380 *14070	*5780 *12740	4950 10910			4630 10210	2760 6080	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	*10510 *23170	*7800 *17200	6780 14950	*6530 *14400	4670 10300	*4420 *9740	3350 7390	4390 9680	2570 5670	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	9770 21540	*9190 *20260	6290 13870	*7320 *16140	4410 9720	*5230 *11530	3210 7080	4350 9590	2530 5580	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	9270 20440	*10220 *22530	5950 13120	7150 15760	4200 9260	*4600 *10140	3110 6860	4540 10010	2640 5820	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	9110 20080	10080 22220	5780 12740	7030 15500	4090 9020			5020 11070	2940 6480	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	*19250 *42440	*14380 *31700	9170 20220	10080 22220	5780 12740	7050 15540	4110 9060			6030 13290	3580 7890	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	*18400 *40570	*12820 *28260	9430 20790	*9370 *20660	5960 13140					*6400 *14110	5110 11270	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 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	3290 7250	9.67 (31.7)
6.0 m (20 ft)	kg lb									*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2750 6060	10.40 (34.1)
4.5 m (15 ft)	kg lb									*5050 *11130	5040 11110	*3970 *8750	3530 7780	4150 9150	2430 5360	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	4740 10450	*5060 *11160	3370 7430	3940 8690	2260 4980	11.02 (36.2)
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	10080 22220	*8410 *18540	6410 14130	*6760 *14900	4440 9790	5440 11990	3200 7050	3900 8600	2220 4890	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	9370 20660	*9670 *21320	5980 13180	7150 15760	4190 9240	5290 11660	3060 6750	4040 8910	2290 5050	10.68 (35.0)
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	9060 19970	10040 22130	5740 12650	6970 15370	4030 8880	5200 11460	2980 6570	4400 9700	2520 5560	10.12 (33.2)
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	*17210 *37940	*14640 *32280	9000 19840	9950 21940	5660 12480	6910 15230	3980 8770			5140 11330	2990 6590	9.25 (30.3)
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	19320 42590	*13660 *30120	9160 20190	*9980 *22000	5740 12650					*6200 *13670	4000 8820	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-9S

(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 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	4150 9150	8.01 (26.3)
6.0 m (20 ft)	kg lb					*6560 *14460	*6560 *14460	*6370 *14040	4490 9900	*5810 *12810	3300 7280	8.90 (29.2)
4.5 m (15 ft)	kg lb			*9620 *21210	*9620 *21210	*7590 *16730	6410 14130	*6700 *14770	4360 9610	5270 11620	2860 6310	9.42 (30.9)
3.0 m (10 ft)	kg lb			*12550 *27670	9130 20130	*8910 *19640	5950 13120	*7330 *16160	4150 9150	4980 10980	2660 5860	9.64 (31.6)
1.5 m (5 ft)	kg lb			*14540 *32060	8450 18630	*10090 *22240	5560 12260	7330 16160	3940 8690	4970 10960	2630 5800	9.58 (31.4)
Ground Line	kg lb			*15120 *33330	8240 18170	10250 22600	5340 11770	7180 15830	3810 8400	5250 11570	2790 6150	9.23 (30.3)
-1.5 m (-5 ft)	kg lb	*14250 *31420	*14250 *31420	*14810 *32650	8260 18210	10180 22440	5280 11640	7140 15740	3780 8330	5960 13140	3200 7050	8.57 (28.1)
-3.0 m (-10 ft)	kg lb	*18890 *41650	17360 38270	*13670 *30140	8430 18580	*10170 *22420	5380 11860			*6670 *14700	4130 9110	7.47 (24.5)
-4.5 m (-15 ft)	kg lb	*15250 *33620	*15250 *33620	*11130 *24540	8830 19470							

- 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 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	3900 8600	8.34 (27.4)
6.0 m (20 ft)	kg lb									*5870 *12940	4560 10050	*5400 *11900	3130 6900	9.19 (30.2)
4.5 m (15 ft)	kg lb					*8760 *19310	*8760 *19310	*7090 *15630	6500 14330	*6310 *13910	4400 9700	5030 11090	2720 6000	9.69 (31.8)
3.0 m (10 ft)	kg lb					*11680 *25750	9320 20550	*8460 *18650	6010 13250	*7000 *15430	4160 9170	4750 10470	2520 5560	9.90 (32.5)
1.5 m (5 ft)	kg lb					*13960 *30780	8520 18780	*9730 *21450	5580 12300	7330 16160	3930 8660	4730 10430	2480 5470	9.84 (32.3)
Ground Line	kg lb					*14930 *32910	8190 18060	10220 22530	5310 11710	7140 15740	3770 8310	4960 10930	2610 5750	9.51 (31.2)
-1.5 m (-5 ft)	kg lb			*15220 *33550	*15220 *33550	*14910 *32870	8140 17950	10100 22270	5210 11490	7070 15590	3710 8180	5570 12280	2960 6530	8.87 (29.1)
-3.0 m (-10 ft)	kg lb	*17240 *38010	*17240 *38010	*20000 *44090	17010 37500	*14040 *30950	8280 18250	10170 22420	5260 11600			*6780 *14950	3740 8250	7.82 (25.7)
-4.5 m (-15 ft)	kg lb			*16720 *36860	*16720 *36860	*11970 *26390	8600 18960							

(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 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	3430 7560	8.94 (29.3)
6.0 m (20 ft)	kg lb									*5270 *11620	4650 10250			*4940 *10890	2800 6170	9.74 (32.0)
4.5 m (15 ft)	kg lb							*6380 *14070	*6380 *14070	*5780 *12740	4450 9810			4600 10140	2450 5400	10.20 (33.5)
3.0 m (10 ft)	kg lb			*10490 *23130	*10490 *23130	*10510 *23170	9590 21140	*7800 *17200	6090 13430	*6530 *14400	4190 9240	*4420 *9740	2970 6550	4350 9590	2260 4980	10.40 (34.1)
1.5 m (5 ft)	kg lb					*13100 *28880	8650 19070	*9190 *20260	5610 12370	*7320 *16140	3920 8640	*5230 *11530	2840 6260	4320 9520	2220 4890	10.35 (34.0)
Ground Line	kg lb			*10140 *22350	*10140 *22350	*14530 *32030	8160 17990	10190 22470	5270 11620	7100 15650	3720 8200	*4600 *10140	2740 6040	4500 9920	2310 5090	10.04 (32.9)
-1.5 m (-5 ft)	kg lb	*10990 *24230	*10990 *24230	*14250 *31420	*14250 *31420	*14890 *32830	8010 17660	10000 22050	5110 11270	6980 15390	3610 7960			4970 10960	2590 5710	9.44 (31.0)
-3.0 m (-10 ft)	kg lb	*14880 *32800	*14880 *32800	*19250 *42440	16590 36570	*14380 *31700	8070 17790	10000 22050	5110 11270	7000 15430	3630 8000			5980 13180	3170 6990	8.48 (27.8)
-4.5 m (-15 ft)	kg lb	*19470 *42920	*19470 *42920	*18400 *40570	17090 37680	*12820 *28260	8320 18340	*9370 *20660	5290 11660					*6400 *14110	4560 10050	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 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	2940 6480	9.67 (31.7)
6.0 m (20 ft)	kg lb									*4470 *9850	*4470 *9850	*2540 *5600	*2540 *5600	*4400 *9700	2430 5360	10.40 (34.1)
4.5 m (15 ft)	kg lb									*5050 *11130	4540 10010	*3970 *8750	3150 6940	4120 9080	2140 4720	10.83 (35.5)
3.0 m (10 ft)	kg lb			*14430 *31810	*14430 *31810	*8910 *19640	*8910 *19640	*6870 *15150	6260 13800	*5870 *12940	4250 9370	*5060 *11160	2990 6590	3910 8620	1980 4370	11.02 (36.2)
1.5 m (5 ft)	kg lb			*10550 *23260	*10550 *23260	*11820 *26060	8950 19730	*8410 *18540	5720 12610	*6760 *14900	3950 8710	5400 11900	2830 6240	3870 8530	1930 4250	10.97 (36.0)
Ground Line	kg lb	*6830 *15060	*6830 *15060	*10900 *24030	*10900 *24030	*13790 *30400	8260 18210	*9670 *21320	5310 11710	7090 15630	3710 8180	5250 11570	2690 5930	4000 8820	1990 4390	10.68 (35.0)
-1.5 m (-5 ft)	kg lb	*9850 *21720	*9850 *21720	*13520 *29810	*13520 *29810	*14680 *32360	7960 17550	9960 21960	5070 11180	6910 15230	3550 7830	5150 11350	2610 5750	4360 9610	2200 4850	10.12 (33.2)
-3.0 m (-10 ft)	kg lb	*13010 *28680	*13010 *28680	*17210 *37940	16210 35740	*14640 *32280	7910 17440	9870 21760	4990 11000	6860 15120	3500 7720			5090 11220	2630 5800	9.25 (30.3)
-4.5 m (-15 ft)	kg lb	*16680 *36770	*16680 *36770	*20250 *44640	16600 36600	*13660 *30120	8060 17770	9970 21980	5070 11180					*6200 *13670	3550 7830	7.92 (26.0)

3) R300LC-9S 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	15.2 (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	1660 3660	16.89 (55.4)
7.5 m 25.0 ft	kg lb											*1890 *4170	*1890 *4170	*1830 *4030	*1830 *4030	*1910 *4210	1490 3280	17.44 (57.2)
6.0 m 20.0 ft	kg lb											*2030 *4480	*2030 *4480	*2010 *4430	*2010 *4430	*1970 *4340	1360 3000	17.83 (58.5)
4.5 m 15.0 ft	kg lb									*2330 *5140	*2330 *5140	*2210 *4870	*2210 *4870	*2140 *4720	2000 4410	*2040 *4500	1270 2800	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	2370 5220	*2290 *5050	1900 4190	*2110 *4650	1200 2650	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	2770 6110	*2640 *5820	2230 4920	*2450 *5400	1790 3950	2160 4760	1160 2560	18.19 (59.7)
Ground /line	kg lb	*7310 *16120	7070 15590	*5460 *12040	5240 11550	*4370 *9630	4050 8930	*3670 *8090	3210 7080	*3190 *7030	2580 5690	*2860 *6310	2090 4610	*2610 *5750	1700 3750	2150 4740	1150 2540	18.04 (59.2)
-1.5 m -5.0 ft	kg lb	*8140 *17950	6500 14330	*6090 *13430	4820 10630	*4840 *10670	3750 8270	*4020 *8860	2980 6570	*3460 *7630	2410 5310	*3060 *6750	1970 4340	*2760 *6080	1610 3550	2180 4810	1160 2560	17.76 (58.3)
-3.0 m -10.0 ft	kg lb	*8680 *19140	6170 13600	*6550 *14440	4540 10010	*5210 *11490	3520 7760	*4320 *9520	2810 6190	*3690 *8140	2280 5030	*3230 *7120	1870 4120	2810 6190	1540 3400	2250 4960	1200 2650	17.33 (56.9)
-4.5 m -15.0 ft	kg lb	*8980 *19800	6020 13270	*6850 *15100	4380 9660	*5480 *12080	3380 7450	*4540 *10010	2690 5930	*3870 *8530	2190 4830	3250 7170	1810 3990	2760 6080	1500 3310	2370 5220	1270 2800	16.75 (55.0)
-6.0 m -20.0 ft	kg lb	*9060 *19970	5980 13180	*7000 *15430	4310 9500	*5630 *12410	3310 7300	4640 10230	2630 5800	3820 8420	2140 4720	3210 7080	1780 3920	*2720 *6000	1500 3310	2560 5640	1400 3090	15.99 (52.5)
-7.5 m -25.0 ft	kg lb	*8940 *19710	6040 13320	*6980 *15390	4320 9520	*5650 *12460	3300 7280	4630 10210	2620 5780	3820 8420	2140 4720	3230 7120	1790 3950			2840 6260	1580 3480	15.04 (49.3)
-9.0 m -30.0 ft	kg lb	*8600 *18960	6190 13650	*6780 *14950	4410 9720	*5520 *12170	3360 7410	*4590 *10120	2670 5890	*3860 *8510	2190 4830					*3070 *6770	1880 4140	13.83 (45.4)
-10.5 m -35.0 ft	kg lb	*7990 *17610	6420 14150	*6350 *14000	4570 10080	*5180 *11420	3490 7690	*4270 *9410	2790 6150	*3500 *7720	2320 5110					*3230 *7120	2370 5220	12.31 (40.4)
-12.0 m -40.0 ft	kg lb	*7010 *15450	6760 14900	*5590 *12320	4830 10650	*4510 *9940	3710 8180											
-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-9S 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 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	5430 11970	8.21 (26.9)
6.0 m (20 ft)	kg lb					*6710 *14790	*6710 *14790	*6390 *14090	6170 13600	*5840 *12870	4500 9920	9.02 (29.6)
4.5 m (15 ft)	kg lb			*10170 *22420	*10170 *22420	*7830 *17260	*7830 *17260	*6810 *15010	6010 13250	*6000 *13230	4030 8880	9.48 (31.1)
3.0 m (10 ft)	kg lb			*13040 *28750	12730 28060	*9160 *20190	8210 18100	*7460 *16450	5780 12740	5760 12700	3830 8440	9.65 (31.7)
1.5 m (5 ft)	kg lb			*14740 *32500	12120 26720	*10270 *22640	7830 17260	*8080 *17810	5580 12300	5810 12810	3850 8490	9.53 (31.3)
Ground Line	kg lb			*15120 *33330	11950 26350	*10860 *23940	7630 16820	8280 18250	5460 12040	6200 13670	4120 9080	9.13 (30.0)
-1.5 m (-5 ft)	kg lb	*15930 *35120	*15930 *35120	*14660 *32320	12010 26480	*10820 *23850	7590 16730	8270 18230	5450 12020	*6770 *14930	4750 10470	8.40 (27.6)
-3.0 m (-10 ft)	kg lb	*18380 *40520	*18380 *40520	*13340 *29410	12230 26960	*9900 *21830	7730 17040			*6590 *14530	6210 13690	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 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	5130 11310	8.53 (28.0)
6.0 m (20 ft)	kg lb							*6190 *13650	*6190 *13650	*5920 *13050	*5920 *13050	*5430 *11970	4290 9460	9.31 (30.5)
4.5 m (15 ft)	kg lb					*9290 *20480	*9290 *20480	*7330 *16160	*7330 *16160	*6430 *14180	6050 13340	*5630 *12410	3840 8470	9.75 (32.0)
3.0 m (10 ft)	kg lb					*12200 *26900	*12200 *26900	*8720 *19220	8270 18230	*7140 *15740	5800 12790	5510 12150	3650 8050	9.91 (32.5)
1.5 m (5 ft)	kg lb					*14240 *31390	12170 26830	*9930 *21890	7840 17280	*7830 *17260	5570 12280	5540 12210	3650 8050	9.80 (32.2)
Ground Line	kg lb			*10120 *22310	*10120 *22310	*14990 *33050	11890 26210	*10680 *23550	7590 16730	8230 18140	5410 11930	5870 12940	3880 8550	9.42 (30.9)
-1.5 m (-5 ft)	kg lb	*13060 *28790	*13060 *28790	*16430 *36220	*16430 *36220	*14810 *32650	11880 26190	*10820 *23850	7510 16560	8190 18060	5370 11840	6670 14700	4420 9740	8.71 (28.6)
-3.0 m (-10 ft)	kg lb	*18310 *40370	*18310 *40370	*19530 *43060	*19530 *43060	*13770 *30360	12050 26570	*10190 *22470	7600 16760			*6770 *14930	5630 12410	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 and 4600 kg (10140 lb) counterweight.

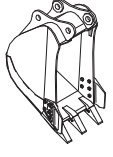
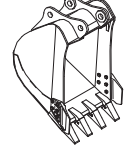
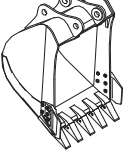
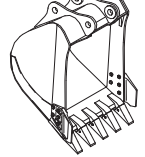
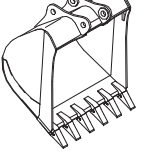
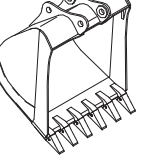
Load point height		Load radius												At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
																m (ft)
7.5 m (25 ft)	kg lb									*3560 *7850	*3560 *7850			*4810 *10600	4580 10100	9.12 (29.9)
6.0 m (20 ft)	kg lb									*5340 *11770	*5340 *11770			*4970 *10960	3880 8550	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	3500 7720	10.26 (33.7)
3.0 m (10 ft)	kg lb					*11060 *24380	*11060 *24380	*8070 *17790	*8070 *17790	*6680 *14730	5820 12830	*4640 *10230	4250 9370	5060 11160	3330 7340	10.41 (34.2)
1.5 m (5 ft)	kg lb			*7260 *16010	*7260 *16010	*13460 *29670	12280 27070	*9420 *20770	7860 17330	*7460 *16450	5550 12240	*5260 *11600	4120 9080	5070 11180	3320 7320	10.31 (33.8)
Ground Line	kg lb			*10880 *23990	*10880 *23990	*14670 *32340	11840 26100	*10360 *22840	7540 16620	*8040 *17730	5360 11820			5330 11750	3490 7690	9.95 (32.6)
-1.5 m (-5 ft)	kg lb	*11690 *25770	*11690 *25770	*15110 *33310	*15110 *33310	*14860 *32760	11730 25860	*10720 *23630	7400 16310	8080 17810	5270 11620			5950 13120	3920 8640	9.29 (30.5)
-3.0 m (-10 ft)	kg lb	*15680 *34570	*15680 *34570	*20360 *44890	*20360 *44890	*14180 *31260	11820 26060	*10400 *22930	7430 16380	*7880 *17370	5320 11730			*6450 *14220	4820 10630	8.24 (27.0)
-4.5 m (-15 ft)	kg lb	*20460 *45110	*20460 *45110	*17650 *38910	*17650 *38910	*12350 *27230	12140 26760	*8950 *19730	7670 16910							

(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 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													*4260 *9390	4000 8820	9.83 (32.3)
6.0 m (20 ft)	kg lb									*4560 *10050	*4560 *10050	*2880 *6350	*2880 *6350	*4430 *9770	3440 7580	10.50 (34.4)
4.5 m (15 ft)	kg lb									*5200 *11460	*5200 *11460	*4190 *9240	*4190 *9240	*4640 *10230	3120 6880	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	5880 12960	*5270 *11620	4270 9410	4560 10050	2960 6530	11.03 (36.2)
1.5 m (5 ft)	kg lb			*10240 *22580	*10240 *22580	*12280 *27070	*12280 *27070	*8680 *19140	7970 17570	*6920 *15260	5580 12300	*5940 *13100	4100 9040	4560 10050	2950 6500	10.93 (35.9)
Ground Line	kg lb	*7420 *16360	*7420 *16360	*11300 *24910	*11300 *24910	*14040 *30950	11920 26280	*9850 *21720	7570 16690	*7660 *16890	5340 11770	6100 13450	3970 8750	4760 10490	3070 6770	10.59 (34.7)
-1.5 m (-5 ft)	kg lb	*10420 *22970	*10420 *22970	*14140 *31170	*14140 *31170	*14740 *32500	11650 25680	*10500 *23150	7340 16180	8010 17660	5190 11440	*5080 *11200	3900 8600	5230 11530	3400 7500	9.98 (32.7)
-3.0 m (-10 ft)	kg lb	*13660 *30120	*13660 *30120	*18040 *39770	*18040 *39770	*14540 *32060	11640 25660	*10540 *23240	7290 16070	7980 17590	5160 11380			*6020 *13270	4050 8930	9.03 (29.6)
-4.5 m (-15 ft)	kg lb	*17460 *38490	*17460 *38490	*19680 *43390	*19680 *43390	*13340 *29410	11840 26100	*9740 *21470	7410 16340					*6220 *13710	5490 12100	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 m³ SAE heaped bucket	1.50 m³ SAE heaped bucket	1.73 m³ SAE heaped bucket	1.85 m³ 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 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)				
1.50 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)				

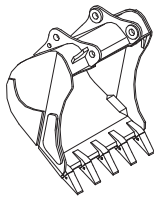
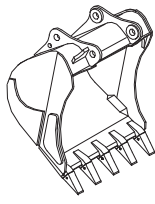
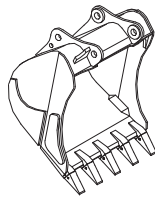
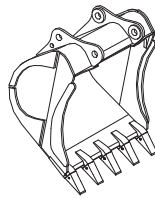
※ : Standard bucket

 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

2) ROCK AND HEAVY DUTY BUCKET

			
◆ 1.07 m ³ SAE ◆ 1.15 m ³ SAE heaped bucket	◆ 1.27 m ³ SAE heaped bucket	◆ 1.46 m ³ SAE heaped bucket	◎ 1.16 m ³ SAE ◎ 1.49 m ³ SAE heaped bucket

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 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 m (1.95 yd³)	1.28 m (1.67 yd³)	1620 mm (63.8")	-	1440 kg (3170 lb)				

◆ : Heavy duty bucket

◎ : Rock 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

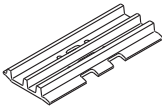
 Applicable for materials with density of 1100 kgf/m³ (1850 lbf/yd³) or less

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-9S	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	900 (36)
	Operating weight	kg (lb)	29700 (65480)	30280 (66760)	30640 (67550)	31040 (68430)
	Ground pressure	kgf/cm ² (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-9S	Shoe width	mm (in)	600 (24)	-	-	-
	Operating weight	kg (lb)	29500 (65040)	-	-	-
	Ground pressure	kgf/cm ² (psi)	0.57 (8.11)	-	-	-
	Overall width	mm (ft-in)	2990 (9' 10")	-	-	-
R300LC-9S LONG REACH	Shoe width	mm (in)	-	-	800 (32)	-
	Operating weight	kg (lb)	-	-	33580 (74030)	-
	Ground pressure	kgf/cm ² (psi)	-	-	0.48 (6.83)	-
	Overall width	mm (ft-in)	-	-	3400 (11' 2")	-
R300LC-9S HIGH WALKER	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	★710 (28)
	Operating weight	kg (lb)	32540 (71740)	33120 (73020)	33480 (73810)	34020 (75000)
	Ground pressure	kgf/cm ² (psi)	0.62 (8.82)	0.54 (7.68)	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 C8.3-C / HYUNDAI HM 8.3
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	114 × 135 mm (4.49" × 5.31")
Piston displacement	8290 cc (506 cu in)
Compression ratio	18 : 1
Rated gross horse power (SAE J1995)	263 Hp at 1900 rpm (196 kW at 1900 rpm)
Maximum torque	124.3 kgf · m (899 lbf · ft) at 1300 rpm
Engine oil quantity	25.5 l (6.7 U.S. gal)
Dry weight	620 kg (1367 lb)
High idling speed	2050 ± 50 rpm
Low idling speed	850 ± 100 rpm
Rated fuel consumption	162.9 g/Hp · hr at 1900 rpm
Starting motor	24 V-7.2 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 ² (4980 psi) [380 kgf/cm ² (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 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-9S	R300LC-9S 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	Variable displacement axial piston motor
Relief pressure	350 kgf/cm ² (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 ² (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 ² (92 psi)
	Maximum	26 kgf/cm ² (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	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 × Stroke	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.

9) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
R300LC-9S	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-9S	Standard	600 mm (24")	0.57 kgf/cm ² (8.11 psi)	48	2990 mm (9' 10")
R300LC-9S LONG REACH	Standard	800 mm (32")	0.48 kgf/cm ² (6.83 psi)	48	3400 mm (11' 2")
R300LC-9S HIGH WALKER	Standard	600 mm (24")	0.62 kgf/cm ² (8.82 psi)	48	3470 mm (11' 5")
	Option	700 mm (28")	0.54 kgf/cm ² (7.68 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

10) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
R300LC-9S R300NLC-9S 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")	-
	◆1.46 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)	0.46 m ³ (0.60 yd ³)	5	935 mm (36.8")	1035 mm (40.8")

◆ : 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)	30 (86)	40 (104)
Engine oil pan	Engine oil	25.5 (6.7)	★SAE 5W-40								
								SAE 30			
				SAE 10W							
				SAE 10W-30							
					SAE 15W-40						
Swing drive	Gear oil	Type 1, 2 : 6.0 (1.6) Type 3, 4 : 11 (2.91)	★SAE 75W-90								
Final drive		8.0 × 2 (2.1 × 2)			SAE 80W-90						
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	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★ ¹	35 (9.3)	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

★ : Cold region

Russia, CIS, Mongolia

★¹ : Soft water

City water or distilled water