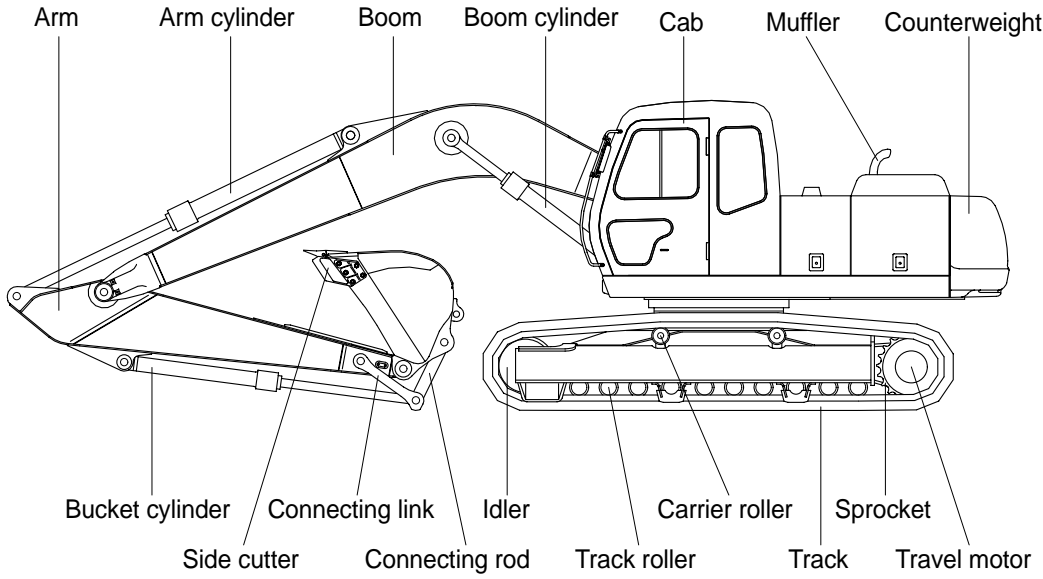
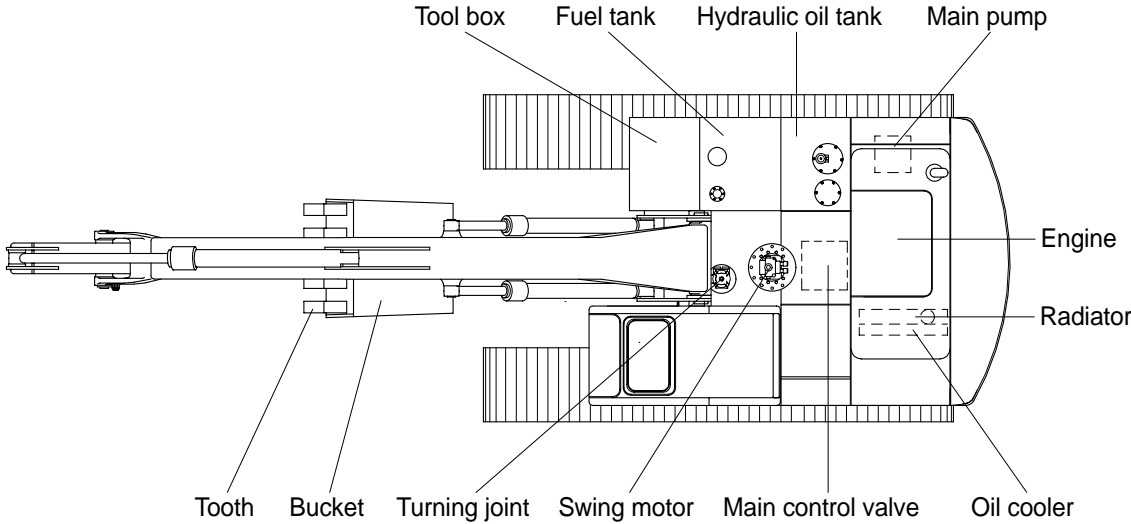


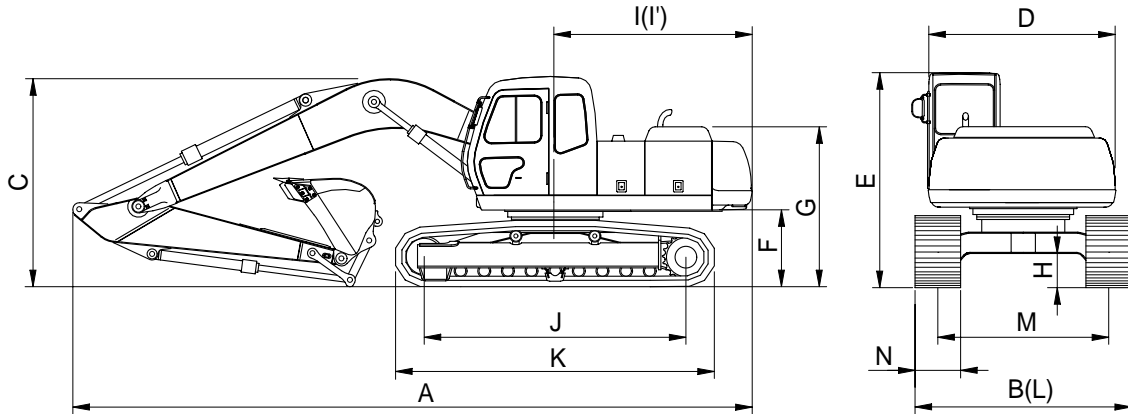
GROUP 2 SPECIFICATIONS

1. MAJOR COMPONENT



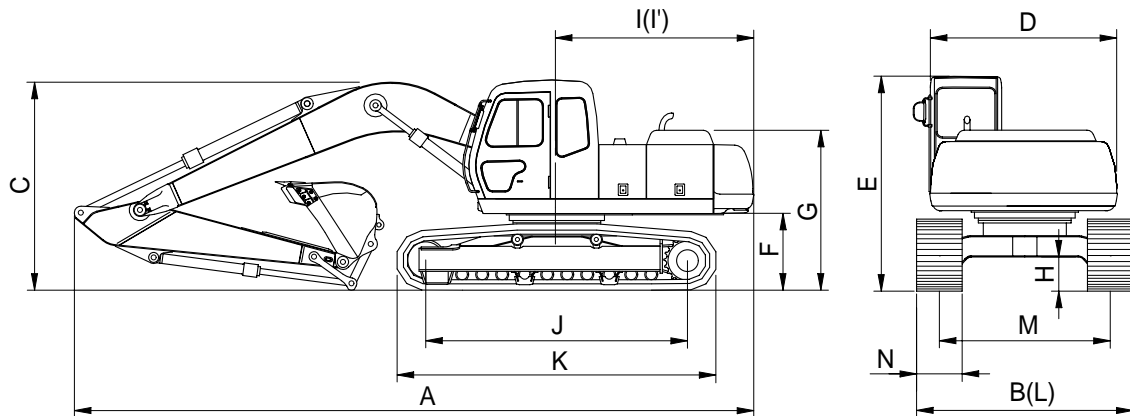
2. SPECIFICATION

1) ROBEX 250-3



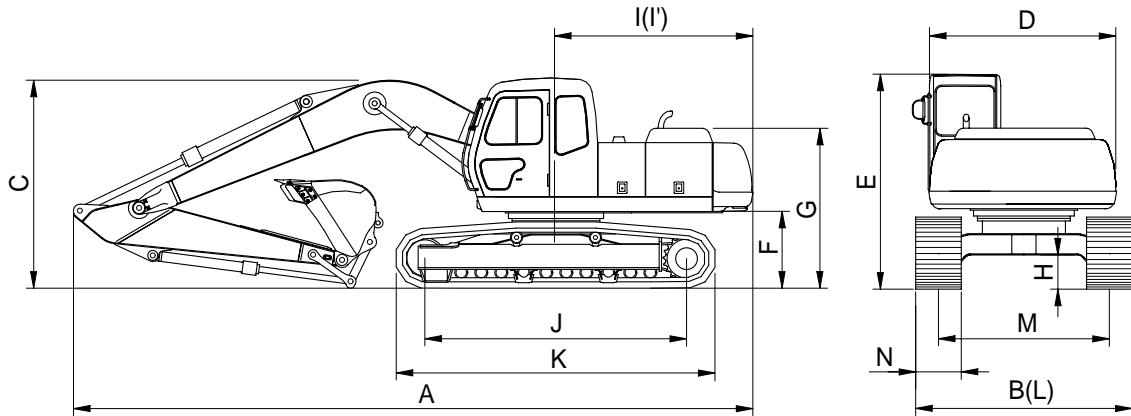
Description	Unit	Specification
Operating weight	kg(lb)	23600(52000)
Bucket capacity(PCSA heaped), standard	m ³ (yd ³)	1.08(1.41)
Overall length	A	9980(32' 9")
Overall width, with 600mm shoe	B	3180(10' 5")
Overall height	C	3180(10' 5")
Superstructure width	D	2840(9' 4")
Overall height of cab	E	2940(9' 8")
Ground clearance of counterweight	F	1070(3' 6")
Engine cover height	G	2290(7' 6")
Minimum ground clearance	H	470(1' 7")
Rear-end distance	I	2890(9' 6")
Rear-end swing radius	I'	2930(9' 7")
Distance between tumblers	J	3445(11' 4")
Undercarriage length	K	4250(13'11")
Undercarriage width	L	3180(10' 5")
Track gauge	M	2580(8' 6")
Track shoe width, standard	N	600(24")
Travel speed(Low/high)	km/hr(mph)	3.4/5.3(2.1/3.3)
Swing speed	rpm	12.6
Gradeability	Degree(%)	35(70)
Ground pressure(600mm shoe)	kg/cm ² (psi)	0.53(7.54)

2) ROBEX 250LC-3



Description	Unit	Specification
Operating weight	kg(lb)	24300(53600)
Bucket capacity(PCSA heaped), standard	m ³ (yd ³)	1.08(1.41)
Overall length	A	9980(32' 9")
Overall width, with 600mm shoe	B	3180(10' 5")
Overall height	C	3180(10' 5")
Superstructure width	D	2840(9' 4")
Overall height of cab	E	2940(9' 8")
Ground clearance of counterweight	F	1070(3' 6")
Engine cover height	G	2290(7' 6")
Minimum ground clearance	H	470(1' 7")
Rear-end distance	I	2890(9' 6")
Rear-end swing radius	I'	2930(9' 7")
Distance between tumbler	J	3830(12' 7")
Undercarriage length	K	4642(15' 3")
Undercarriage width	L	3180(10' 5")
Track gauge	M	2580(8' 6")
Track shoe width, standard	N	600(24")
Travel speed(Low/high)	km/hr(mph)	3.4/5.3(2.1/3.3)
Swing speed	rpm	12.6
Gradeability	Degree(%)	35(70)
Ground pressure(600mm shoe)	kg/cm ² (psi)	0.49(6.97)

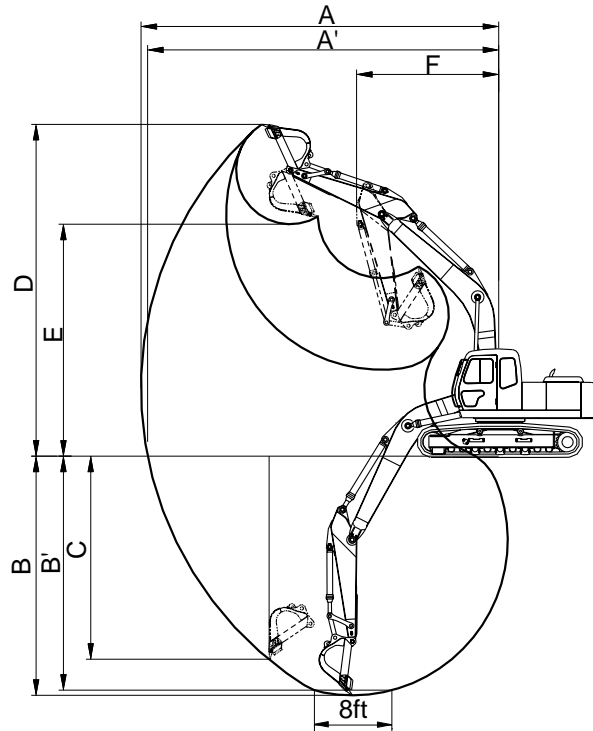
3) ROBEX 250NLC-3



Description		Unit	Specification
Operating weight		kg(lb)	24200(53400)
Bucket capacity(PCSA heaped), standard		m ³ (yd ³)	1.08(1.41)
Overall length	A	mm(ft-in)	9980(32' 9")
Overall width, with 600mm shoe	B		2980(9' 9")
Overall height	C		3180(10' 5")
Superstructure width	D		2840(9' 4")
Overall height of cab	E		2940(9' 8")
Ground clearance of counterweight	F		1070(3' 6")
Engine cover height	G		2290(7' 6")
Minimum ground clearance	H		470(1' 7")
Rear-end distance	I		2890(9' 6")
Rear-end swing radius	I'		2930(9' 7")
Distance between tumblers	J		3830(12' 7")
Undercarriage length	K		4642(15' 3")
Undercarriage width	L		2980(9' 9")
Track gauge	M		2380(7'10")
Track shoe width, standard	N		600(24")
Travel speed(Low/high)			km/hr(mph)
Swing speed		rpm	12.6
Gradeability		Degree(%)	35(70)
Ground pressure(600mm shoe)		kg/cm ² (psi)	0.49(6.97)

3. WORKING RANGE

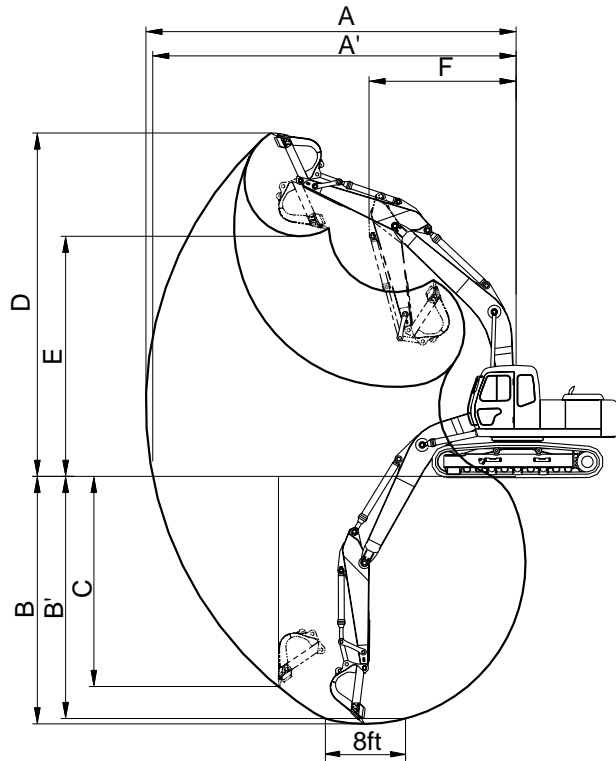
1) 5.85m(19' 2") BOOM



Description		2.10m(6' 11") Arm	2.50m(8' 2") Arm	3.05m(10' 0") Arm	3.60m(11' 10") Arm
Max digging reach	A	9620mm (31' 7")	9930mm (32' 7")	10390mm (34' 1")	10910mm (35' 10")
Max digging reach on ground	A'	9430mm (30' 11")	9750mm (32' 0")	10220mm (33' 6")	10745mm (35' 3")
Max digging depth	B	6050mm (19' 10")	6450mm (21' 2")	7000mm (23' 0")	7550mm (24' 9")
Max digging depth (8ft level)	B'	5840mm (19' 2")	6270mm (20' 7")	6800mm (22' 4")	7400mm (24' 3")
Max vertical wall digging depth	C	5730mm (18' 10")	5900mm (19' 4")	6220mm (20' 5")	6810mm (22' 4")
Max digging height	D	9570mm (31' 5")	9610mm (31' 6")	9700mm (31' 10")	9960mm (32' 8")
Max dumping height	E	6440mm (21' 2")	6520mm (21' 5")	6640mm (21' 9")	6900mm (22' 8")
Min swing radius	F	4250mm (13' 11")	4060mm (13' 4")	3980mm (13' 1")	3970mm (13' 0")
Bucket digging force		152 [166] kN	152 [166] kN	152 [166] kN	152 [166] kN
	SAE	15500 [17000] kgf	15500 [17000] kgf	15500 [17000] kgf	15500 [17000] kgf
		34200 [37400] lbf	34200 [37400] lbf	34200 [37400] lbf	34200 [37400] lbf
	ISO	173 [189] kN	173 [189] kN	173 [189] kN	173 [189] kN
		17600 [19300] kgf	17600 [19300] kgf	17600 [19300] kgf	17600 [19300] kgf
Arm crowd force		154 [168] kN	131 [143] kN	112 [123] kN	100 [109] kN
	SAE	15700 [17200] kgf	13400 [14700] kgf	11400 [12500] kgf	10200 [11200] kgf
		34600 [37800] lbf	29500 [32300] lbf	25100 [27500] lbf	22500 [24600] lbf
	ISO	161 [176] kN	136 [149] kN	116 [127] kN	103 [113] kN
		16400 [17900] kgf	13900 [15200] kgf	11850 [13000] kgf	10500 [11500] kgf
	36200 [39600] lbf	30640 [33500] lbf	26120 [28600] lbf	23100 [25300] lbf	

[] : Power boost

2) 5.30m(17' 5") BOOM



Description		2.1m(6' 11") Arm	2.5m(8' 2") Arm
Max digging reach	A	9030mm (29' 8")	9630mm (31' 7")
Max digging reach on ground	A'	8830mm (29' 0")	9160mm (30' 1")
Max digging depth	B	5590mm (18' 4")	5990mm (19' 8")
Max digging depth(8ft level)	B'	5380mm (17' 8")	5800mm (19' 0")
Max vertical wall digging depth	C	5170mm (17' 0")	5370mm (17' 7")
Max digging height	D	9100mm (29'10")	9135mm (30' 0")
Max dumping height	E	5980mm (19' 7")	6060mm (19'11")
Min swing radius	F	3810mm (12' 6")	3710mm (12' 2")
Bucket digging force	SAE	152 [166]kN	152 [166]kN
		15500 [17000]kgf	15500 [17000]kgf
		34200 [37400]lbf	34200 [37400]lbf
	ISO	173 [189]kN	173 [189]kN
		17600 [19300]kgf	17600 [19300]kgf
		38800 [42400]lbf	38800 [42400]lbf
Arm crowd force	SAE	154[168]kN	131 [143]kN
		15700 [17200]kgf	13400 [14700]kgf
		34600 [37800]lbf	29500 [32300]lbf
	ISO	161 [176]kN	136 [149]kN
		16400 [17900]kgf	13900 [15200]kgf
		36200 [39600]lbf	30640 [33500]lbf

[] : Power boost

4. WEIGHT

1) R250-3, R250LC-3

Item	R250-3		R250LC-3	
	kg	lb	kg	lb
Upperstructure assembly	9410	20750	—	
Main frame weld assembly	1940	4280	—	
Engine assembly	438	966	—	
Main pump assembly	120	265	—	
Main control valve assembly	193	425	—	
Swing motor assembly	325	716	—	
Hydraulic oil tank assembly	258	550	—	
Fuel tank assembly	120	265	—	
Counterweight	4100	9040	—	
Cab assembly	275	610	—	
Lower chassis assembly	9050	19950	9750	21495
Track frame weld assembly	2965	6540	3165	6980
Swing bearing	346	763	—	
Travel motor assembly	275	606	—	
Turning joint	50	110	—	
Track recoil spring and idler	311	686	—	
Idler	168	370	—	
Carrier roller	21	46	—	
Track roller	38	84	—	
Track-chain assembly(600mm standard triple grouser shoe)	1450	3195	1510	3330
Front attachment assembly(5.85m boom, 3.05m arm, 1.08m³ PCSA heaped bucket)	5140	11330	—	
5.85m boom assembly	1965	4330	—	
3.05m arm assembly	975	2150	—	
1.08m³ PCSA heaped bucket	860	1896	—	
Boom cylinder assembly	225	496	—	
Arm cylinder assembly	300	661	—	
Bucket cylinder assembly	200	441	—	
Bucket control link assembly	180	397	—	

2) R250NLC-3













Item	R250NLC-3	
	kg	lb
Upperstructure assembly	9410	20750
Main frame weld assembly	1940	4280
Engine assembly	438	966
Main pump assembly	120	265
Main control valve assembly	193	425
Swing motor assembly	325	716
Hydraulic oil tank assembly	258	550
Fuel tank assembly	120	265
Counterweight	4100	9040
Cab assembly	275	610
Lower chassis assembly	9650	21275
Track frame weld assembly	3075	6780
Swing bearing	346	763
Travel motor assembly	275	606
Turning joint	50	110
Track recoil spring and idler	311	686
Idler	168	370
Carrier roller	21	46
Track roller	38	84
Track-chain assembly(600mm standard triple grouser shoe)	1450	3195
Front attachment assembly(5.85m boom, 3.05m arm, 1.08m ³ PCSA heaped bucket)	5140	11330
5.85m boom assembly	1965	4330
3.05m arm assembly	975	2150
1.08m ³ PCSA heaped bucket	860	1896
Boom cylinder assembly	225	496
Arm cylinder assembly	300	661
Bucket cylinder assembly	200	441
Bucket control link assembly	180	397

5. LIFTING CAPACITIES

1) ROBEX 250LC-3















(1) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

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















Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														kg
6.0m (20ft)	kg lb											4620 10190	2800 6170	8.74 (28.7)
4.5m (15ft)	kg lb							*6060 *13360	5410 11930	*5630 *12410	3600 7940	4050 8930	2400 5290	9.30 (30.5)
3.0m (10ft)	kg lb					*9500 *20940	8040 17730	*7200 *15870	5050 11130	5730 12630	3440 7580	3790 8360	2210 4870	9.55 (31.3)
1.5m (5ft)	kg lb					*11750 *25900	7330 16160	8000 17640	4710 10380	5540 12210	3270 7210	3760 8290	2170 4780	9.52 (31.2)
Ground Line	kg lb			*8750 *19290	*8750 *19290	12650 27890	6980 15390	7730 17040	4470 9850	5400 11900	3140 6920	3950 8710	2280 5030	9.20 (30.2)
-1.5m (-5ft)	kg lb	*10070 *22200	*10070 *22200	*13890 *30620	*13890 *30620	12550 27670	6890 15190	7620 16800	4370 9630	5350 11790	3090 6810	4450 9810	2600 5730	8.57 (28.1)
-3.0m (-10ft)	kg lb	*14930 *32910	*14930 *32910	*18120 *39950	14570 32120	*12470 *27490	6980 15390	7670 16910	4420 9740			5610 12370	3330 7340	7.51 (24.6)
-4.5m (-15ft)	kg lb			*14920 *32890	*14920 *32890	*10470 *23080	7280 16050							

- 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) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

Load point height		Load radius										At max. reach				
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach		
																m(ft)
6.0m (20ft)	kg lb											*3680 *8110	*3680 *8110	4190 9240	2500 5510	9.22 (30.2)
4.5m (15ft)	kg lb							*5350 *11790	*5350 *11790	*5060 *11160	3600 7940	3700 8160	2150 4740	9.75 (32.0)		
3.0m (10ft)	kg lb			*13660 *30120	*13660 *30120	*8380 *18470	8170 18010	*6520 *14370	5060 11160	*5650 *12460	3410 7520	3460 7630	1970 4340	9.98 (32.7)		
1.5m (5ft)	kg lb			*9040 *19930	*9040 *19930	*10820 *23850	7350 16200	*7780 *17150	4660 10270	5480 12080	3200 7050	3410 7520	1920 4230	9.95 (32.6)		
Ground Line	kg lb			*10310 *22730	*10310 *22730	*12390 *27320	6860 15120	7630 16820	4370 9630	5300 11680	3040 6700	3560 7850	2000 4410	9.65 (31.7)		
-1.5m (-5ft)	kg lb	*9810 *21630	*9810 *21630	*13650 *30090	*13650 *30090	12330 27180	6680 14730	7460 16450	4220 9300	5200 11460	2950 6500	3960 8730	2250 4960	9.06 (29.7)		
-3.0m (-10ft)	kg lb	*13410 *29560	*13410 *29560	*18260 *40260	14050 30970	12360 27250	6710 14790	7460 16450	4210 9280			4840 10670	2810 6190	8.08 (26.5)		
-4.5m (-15ft)	kg lb			*16320 *35980	14520 32010	*11210 *24710	6930 15280	7650 16870	4380 9660			*5890 *12990	4220 9300	6.50 (21.3)		













(3) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

Load point height		Load radius										At max. reach				
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		9.0m(30ft)		Capacity		Reach
																m(ft)
6.0m (20ft)	kg lb									*3790 *8360	*3790 *8360			3760 8290	2210 4870	9.78 (32.1)
4.5m (15ft)	kg lb									*4530 *9990	3670 8090	*2240 *4940	*2240 *4940	3350 7390	1910 4210	10.28 (33.7)
3.0m (10ft)	kg lb					*7290 *16070	*7290 *16070	*5880 *12960	5170 11400	*5180 *11420	3450 7610	*3360 *7410	2390 5270	3150 6940	1750 3860	10.50 (34.4)
1.5m (5ft)	kg lb			*12180 *26850	*12180 *26850	*9920 *21870	7570 16690	*7230 *15940	4740 10450	5510 12150	3230 7120	4000 8820	2270 5000	3100 6830	1710 3770	10.47 (34.4)
Ground Line	kg lb	*6070 *13380	*6070 *13380	*10790 *23790	*10790 *23790	*11840 *26100	6960 15340	7680 16930	4400 9700	5300 11680	3030 6680	3890 8580	2170 4780	3210 7080	1770 3900	10.19 (33.4)
-1.5m (-5ft)	kg lb	*8900 *19620	*8900 *19620	*12960 *28570	*12960 *28570	12330 27180	6680 14730	7450 16420	4200 9260	5160 11380	2910 6420			3530 7780	1960 4320	9.63 (31.6)
-3.0m (-10ft)	kg lb	*11930 *26300	*11930 *26300	*16500 *36380	13860 30560	12270 27050	6630 14620	7380 16270	4140 9130	5140 11330	2890 6370			4200 9260	2390 5270	8.73 (28.6)
-4.5m (-15ft)	kg lb	*15520 *34220	*15520 *34220	*17670 *38960	14220 31350	*11870 *26170	6770 14930	7490 16510	4230 9330					*5720 *12610	3360 7410	7.32 (24.0)











(4) 5.30m(17' 5") boom, 2.10m(6' 11") arm equipped with 1.50m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb							*6200 *13670	5460 12040			5630 12410	3430 7560	7.72 (25.3)
4.5m (15ft)	kg lb							*6660 *14680	5300 11680			4770 10520	2840 6260	8.37 (27.5)
3.0m (10ft)	kg lb					*9820 *21650	8070 17790	*7650 *16870	4990 11000			4410 9720	2570 5670	8.65 (28.4)
1.5m (5ft)	kg lb					*11970 *26390	7400 16310	7980 17590	4680 10320	5470 12060	3200 7050	4370 9630	2530 5580	8.61 (28.2)
Ground Line	kg lb			*11930 *26300	*11930 *26300	12750 28110	7050 15540	7740 17060	4470 9850			4660 10270	2710 5970	8.26 (27.1)
-1.5m (-5ft)	kg lb	*12760 *28130	*12760 *28130	*19410 *42790	14480 31920	12670 27930	6980 15390	7670 16910	4410 9720			5480 12080	3220 7100	7.52 (24.7)
-3.0m (-10ft)	kg lb			*17190 *37900	14840 32720	*11860 *26150	7130 15720					*6380 *14070	4570 10080	6.24 (20.5)













(5) 5.30m(17' 5") boom, 2.50m(8' 2") arm equipped with 1.50m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb							*5640 *12430	5600 12350			5240 11550	3190 7030	8.10 (26.6)
4.5m (15ft)	kg lb							*6210 *13690	5410 11930			4500 9920	2670 5890	8.70 (28.5)
3.0m (10ft)	kg lb			*14450 *31860	*14450 *31860	*9150 *20170	8290 18280	*7260 *16010	5100 11240	5690 12540	3400 7500	4170 9190	2430 5360	8.97 (29.4)
1.5m (5ft)	kg lb			*11350 *25020	*11350 *25020	*11480 *25310	7570 16690	8070 17790	4770 10520	5520 12170	3250 7170	4130 9110	2390 5270	8.94 (29.3)
Ground Line	kg lb			*13220 *29150	*13220 *29150	12860 28350	7130 15720	7800 17200	4520 9960	5400 11900	3140 6920	4370 9630	2530 5580	8.60 (28.2)
-1.5m (-5ft)	kg lb	*12190 *26870	*12190 *26870	*18370 *40500	14430 31810	12690 27980	6990 15410	7680 16930	4420 9740			5050 11130	2950 6500	7.90 (25.9)
-3.0m (-10ft)	kg lb	*17680 *38980	*17680 *38980	*18300 *40340	14720 32450	*12380 *27290	7080 15610	7760 17110	4490 9900			*6530 *14400	4000 8820	6.71 (22.0)
-4.5m (-15ft)	kg lb			*14020 *30910	*14020 *30910	*9380 *20680	7450 16420							















(6) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(PCSA heaped) bucket and 700mm (28") triple grouser shoe.

Load point height		Load radius								At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
												m(ft)
6.0m (20ft)	kg lb					*5740 *12650	5550 12240			4930 10870	2990 6590	8.37 (27.5)
4.5m (15ft)	kg lb			*7730 *17040	*7730 *17040	*6460 *14240	5300 11680	5810 12810	3520 7760	4280 9440	2530 5580	8.96 (29.4)
3.0m (10ft)	kg lb			*10170 *22420	7810 17220	*7550 *16640	4950 10910	5660 12480	3370 7430	3990 8800	2320 5110	9.22 (30.2)
1.5m (5ft)	kg lb			*12200 *26900	7160 15790	7910 17440	4620 10190	5490 12100	3220 7100	3960 8730	2290 5050	9.19 (30.2)
Ground Line	kg lb			12560 27690	6900 15210	7680 16930	4420 9740	5370 11840	3110 6860	4190 9240	2430 5360	8.86 (29.1)
-1.5m (-5ft)	kg lb	*14080 *31040	*14080 *31040	12540 27650	6880 15170	7610 16780	4360 9610			4800 10580	2810 6190	8.19 (26.9)
-3.0m (-10ft)	kg lb	*17060 *37610	14700 32410	*12050 *26570	7020 15480	7720 17020	4450 9810			*6110 *13470	3720 8200	7.06 (23.2)
-4.5m (-15ft)	kg lb	*13400 *29540	*13400 *29540	*9500 *20940	7400 16310							















(7) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb											4560 10050	2760 6080	8.74 (28.7)
4.5m (15ft)	kg lb						*6060 *13360	5350 11790	*5360 *12410	3550 7830	3990 8800	2360 5200	9.30 (30.5)	
3.0m (10ft)	kg lb				*9500 *20940	7940 17500	*7200 *15870	4990 11000	5650 12460	3390 7470	3730 8220	2170 4780	9.55 (31.3)	
1.5m (5ft)	kg lb				*11750 *25900	7230 15940	7890 17390	4640 10230	5460 12040	3220 7100	3700 8160	2130 4700	9.52 (31.2)	
Ground Line	kg lb			*8750 *19290	*8750 *19290	12480 27510	6880 15170	7620 16800	4400 9700	5310 11710	3090 6810	3880 8550	2240 4940	9.20 (30.2)
-1.5m (-5ft)	kg lb	*10070 *22200	*10070 *22200	*13890 *30620	*13890 *30620	12370 27270	6790 14970	7510 16560	4310 9500	5260 11600	3040 6700	4380 9660	2560 5640	8.57 (28.1)
-3.0m (-10ft)	kg lb	*14930 *32910	*14930 *32910	*18120 *39950	14380 31700	*12470 *27490	6890 15190	7560 16670	4350 9590			5530 12190	3280 7230	7.51 (24.6)
-4.5m (-15ft)	kg lb			*14920 *32890	14910 32870	*10470 *23080	7180 15830							













(8) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach				
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach		
																m(ft)
6.0m (20ft)	kg lb											*3680 *8110	3680 8110	4130 9110	2460 5420	9.22 (30.2)
4.5m (15ft)	kg lb							*5350 *11790	*5350 *11790	*5060 *11160	3550 7830	3640 8020	2110 4650	9.75 (32.0)		
3.0m (10ft)	kg lb			*13660 *30120	*13660 *30120	*8380 *18470	8080 17810	*6520 *14370	4990 11000	5620 12390	3360 7410	3400 7500	1930 4250	9.98 (32.7)		
1.5m (5ft)	kg lb			*9040 *19930	*9040 *19930	*10820 *23850	7250 15980	*7780 *17150	4590 10120	5390 11880	3150 6940	3360 7410	1880 4140	9.95 (32.6)		
Ground Line	kg lb			*10310 *22730	*10310 *22730	12360 27250	6760 14900	7520 16580	4300 9480	5210 11490	2980 6570	3500 7720	1960 4320	9.65 (21.7)		
-1.5m (-5ft)	kg lb	*9810 *21630	*9810 *21630	*13650 *30090	13640 30070	12150 26790	6580 14510	7350 16200	4150 9150	5120 11290	2900 6390	3890 8580	2210 4870	9.06 (29.7)		
-3.0m (-10ft)	kg lb	*13410 *29560	*13410 *29560	*18260 *40260	13860 30560	12190 26870	6610 14570	7340 16180	4140 9130			4760 10490	2760 6080	8.08 (26.5)		
-4.5m (-15ft)	kg lb			*16320 *35980	14320 31570	*11210 *24710	6830 15060	7540 16620	4320 9520			*5890 *12990	4160 9170	6.50 (21.3)		













(9) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius												At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		9.0m(30ft)		Capacity		Reach
																m(ft)
6.0m (20ft)	kg lb									*3790 *8360	3760 8290			3710 8180	2180 4810	9.78 (32.1)
4.5m (15ft)	kg lb									*4530 *9990	3620 7980	*2240 *4940	*2240 *4940	3300 7280	1880 4140	10.28 (33.7)
3.0m (10ft)	kg lb					*7290 *16070	*7290 *16070	*5880 *12960	5100 11240	*5180 *11420	3400 7500	*3360 *7410	2350 5180	3090 6810	1720 3790	10.50 (34.4)
1.5m (5ft)	kg lb			*12180 *26850	*12180 *26850	*9920 *21870	7470 16470	*7230 *15940	4670 10300	5430 11970	3180 7010	3940 8690	2230 4920	3050 6720	1670 3680	10.47 (34.4)
Ground Line	kg lb	*6070 *13380	*6070 *13380	*10790 *23790	*10790 *23790	*11840 *26100	6860 15120	7560 16670	4330 9550	5210 11490	2980 6570	3830 8440	2130 4700	3160 6970	1730 3810	10.19 (33.4)
-1.5m (-5ft)	kg lb	*8900 *19620	*8900 *19620	*12960 *28570	*12960 *28570	12150 26790	6580 14510	7340 16180	4130 9110	5080 11200	2860 6310			3470 7650	1930 4250	9.63 (31.6)
-3.0m (-10ft)	kg lb	*11930 *26300	*11930 *26300	*16500 *36380	13670 30140	12100 26680	6530 14400	7270 16030	4070 8970	5050 11130	2840 6260			4130 9110	2350 5180	8.73 (28.6)
-4.5m (-15ft)	kg lb	*15520 *34220	*15520 *34220	*17670 *38960	14030 30930	*11870 *26170	6670 14700	7370 16250	4160 9170					5650 12460	3310 7300	7.32 (24.0)











(10) 5.30m(17' 5") boom, 2.10m(6' 11") arm equipped with 1.50m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb							*6200 *13670	5390 11880			5550 12240	3380 7450	7.72 (25.3)
4.5m (15ft)	kg lb							*6660 *14680	5230 11530			4700 10360	2790 6150	8.37 (27.5)
3.0m (10ft)	kg lb					*9820 *21650	7970 17570	*7650 *16870	4930 10870			4340 9570	2530 5580	8.65 (28.4)
1.5m (5ft)	kg lb					*11970 *26390	7300 16090	7870 17350	4620 10190	5390 11880	3150 6940	4300 9480	2490 5490	8.61 (28.2)
Ground Line	kg lb			*11930 *26300	*11930 *26300	12570 27710	6950 15320	7630 16820	4410 9720			4590 10120	2660 5860	8.26 (27.1)
-1.5m (-5ft)	kg lb	*12760 *28130	*12760 *28130	*19410 *42790	14290 31500	12490 27540	6880 15170	7560 16670	4350 9590			5400 11900	3170 6990	7.52 (24.7)
-3.0m (-10ft)	kg lb			*17190 *37900	14650 32300	*11860 *26150	7030 15500					*6380 *14070	4500 9920	6.24 (20.5)

(11) 5.30m(17' 5") boom, 2.50m(8' 2") arm equipped with 1.50m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb							*5640 *12430	5530 12190			5160 11380	3150 6940	8.10 (26.6)
4.5m (15ft)	kg lb							*6210 *13690	5350 11790			4430 9770	2630 5800	8.70 (28.5)
3.0m (10ft)	kg lb			*14450 *31860	*14450 *31860	*9150 *20170	8190 18060	*7260 *16010	5030 11090	5600 12350	3350 7390	4110 9060	2390 5270	8.97 (29.4)
1.5m (5ft)	kg lb			*11350 *25020	*11350 *25020	*11480 *25310	7470 16470	7960 17550	4700 10360	5400 11990	3200 7050	4060 8950	2350 5180	8.94 (29.3)
Ground Line	kg lb			*13220 *29150	*13220 *29150	12680 27950	7040 15520	7680 16930	4460 9830	5310 11710	3080 6790	4300 9480	2490 5490	8.60 (28.2)
-1.5m (-5ft)	kg lb	*12190 *26870	*12190 *26870	*18370 *40500	14240 31390	12510 27580	6900 15210	7570 16690	4350 9590			4970 10960	2910 6420	7.90 (25.9)
-3.0m (-10ft)	kg lb	*17680 *38980	*17680 *38980	*18300 *40340	14530 32030	*12380 *27290	6980 15390	7640 16840	4420 9740			*6530 *14400	3940 8690	6.71 (22.0)
-4.5m (-15ft)	kg lb			*14020 *30910	*14020 *30910	*9380 *20680	7350 16200							













(12) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius								At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
												m(ft)
6.0m (20ft)	kg lb					*5740 *12650	5480 12080			4860 10710	2940 6480	8.37 (27.5)
4.5m (15ft)	kg lb			*7730 *17040	*7730 *17040	*6460 *14240	5230 11530	5730 12630	3470 7650	4210 9280	2490 5490	8.96 (29.4)
3.0m (10ft)	kg lb			*10170 *22420	7710 17000	*7550 *16640	4880 10760	5570 12280	3320 7320	3930 8660	2280 4960	9.22 (30.2)
1.5m (5ft)	kg lb			*12200 *26900	7070 15590	7790 17170	4560 10050	5400 11900	3170 6990	3900 8600	2250 4960	9.19 (30.2)
Ground Line	kg lb			12390 27320	6800 14990	7560 16670	4350 9590	5290 11660	3060 6750	4120 9080	2390 5270	8.86 (29.1)
-1.5m (-5ft)	kg lb	*14080 *31040	*14080 *31040	12360 27250	6780 14950	7500 16530	4290 9460			4720 10410	2770 6110	8.19 (26.9)
-3.0m (-10ft)	kg lb	*17060 *37610	14510 31990	*12050 *26570	6920 15260	7600 16760	4390 9680			*6100 *13470	3670 8090	7.06 (23.2)
-4.5m (-15ft)	kg lb	*13400 *29540	*13400 *29540	*9500 *20940	7300 16090							

2) ROBEX 250NLC-3











(1) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

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













Load point height		Load radius										At max. reach				
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach		
														kg	lb	m(ft)
6.0m (20ft)	kg lb											*3680 *8110	3310 7300	4110 9060	2190 4830	9.22 (30.2)
4.5m (15ft)	kg lb							*5350 *11790	4870 10740	*5060 *11160	3190 7030	3620 7980	1860 4100	9.75 (32.0)		
3.0m (10ft)	kg lb			*13660 *30120	*13660 *30120	*8380 *18470	7230 15940	*6520 *14370	4480 9880	5590 12320	2990 6590	3380 7450	1690 3730	9.98 (32.7)		
1.5m (5ft)	kg lb			*9040 *19930	*9040 *19930	*10820 *23850	6430 14180	*7780 *17150	4090 9020	5370 11840	2790 6150	3340 7360	1640 3620	9.95 (32.6)		
Ground Line	kg lb			*10310 *22730	*10310 *22730	12310 27140	5950 13120	7480 16490	3800 8380	5190 11440	2630 5800	3480 7670	1710 3770	9.65 (31.7)		
-1.5m (-5ft)	kg lb	*9810 *21630	*9810 *21630	*13650 *30090	11730 25860	12090 26650	5780 12740	7310 16120	3650 8050	5090 11220	2540 5600	3870 8530	1930 4250	9.06 (29.7)		
-3.0m (-10ft)	kg lb	*13410 *29560	*13410 *29560	*18260 *40260	11940 26320	12130 26740	5810 12810	7310 16120	3650 8050			4740 10450	2440 5380	8.08 (26.5)		
-4.5m (-15ft)	kg lb			*16320 *35980	12380 27290	*11210 *24710	6030 13290	7500 16530	3820 8420			*5890 *12990	3710 8180	6.50 (21.3)		

- 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) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius								At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
												m(ft)
6.0m (20ft)	kg lb					*5740 *12650	4960 10930			4830 10650	2630 5800	8.37 (27.5)
4.5m (15ft)	kg lb			*7730 *17040	7700 16980	*6460 *14240	4720 10410	5700 12570	3100 6830	4190 9240	2210 4870	8.96 (29.4)
3.0m (10ft)	kg lb			*10170 *22420	6880 15170	*7550 *16640	4370 9630	5550 12240	2960 6530	3910 8620	2020 4450	9.22 (30.2)
1.5m (5ft)	kg lb			*12200 *26900	6250 13780	7760 17110	4050 8930	5380 11860	2810 6190	3880 8550	1980 4370	9.19 (30.2)
Ground Line	kg lb			12330 27180	6000 13230	7530 16600	3860 8510	5260 11600	2710 5970	4100 9040	2100 4630	8.86 (29.1)
-1.5m (-5ft)	kg lb	*14080 *31040	12280 27070	12300 27120	5970 13160	7460 16450	3800 8380			4700 10360	2450 5400	8.19 (26.9)
-3.0m (-10ft)	kg lb	*17060 *37610	12560 27690	*12050 *26570	6120 13490	7570 16690	3890 8580			*6110 *13470	3270 7210	7.06 (23.2)
-4.5m (-15ft)	kg lb	*13400 *29540	13140 28970	*9500 *20940	6480 14290							














(3) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius								At max. reach				
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb											4530 9990	2470 5450	8.74 (28.7)
4.5m (15ft)	kg lb							*6060 *13360	4830 10650	*5630 *12410	3190 7030	3970 8750	2090 4610	9.30 (30.5)
3.0m (10ft)	kg lb					*9500 *20940	7100 15650	*7200 *15870	4480 9880	5620 12390	3030 6680	3710 8180	1910 4210	9.55 (31.3)
1.5m (5ft)	kg lb					*11750 *25900	6410 14130	7850 17310	4140 9130	5430 11970	2860 6310	3680 8110	1870 4120	9.52 (31.2)
Ground Line	kg lb			*8750 *19290	*8750 *19290	12420 27380	6070 13380	7580 16710	3900 8600	5290 11660	2730 6020	3860 8510	1970 4340	9.20 (30.2)
-1.5m (-5ft)	kg lb	*10070 *22200	*10070 *22200	*13890 *30620	12170 26830	12310 27140	5990 13210	7470 16470	3810 8400	5240 11550	2690 5930	4360 9610	2260 4980	8.57 (28.1)
-3.0m (-10ft)	kg lb	*14930 *32910	*14930 *32910	*18120 *39950	12430 27400	12430 27400	6080 13400	7520 16580	3850 8490			5500 12130	2920 6440	7.51 (24.6)
-4.5m (-15ft)	kg lb			*14920 *32890	12940 28530	*10470 *23080	6360 14020							













(4) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius												At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		9.0m(30ft)		Capacity		Reach
																
6.0m (20ft)	kg lb									*3790 *8360	3390 7470			3690 8140	1920 4230	9.78 (32.1)
4.5m (15ft)	kg lb									*4530 *9990	3250 7170	*2240 *4940	2160 4760	3280 7230	1640 3620	10.28 (33.7)
3.0m (10ft)	kg lb					*7290 *16070	*7290 *16070	*5880 *12960	4590 10120	*5180 *11420	3040 6700	*3360 *7410	2070 4560	3080 6790	1490 3280	10.50 (34.4)
1.5m (5ft)	kg lb			*12180 *26850	*12180 *26850	*9920 *21870	6640 14640	*7230 *15940	4170 9190	5400 11900	2810 6190	3910 8620	1950 4300	3030 6680	1440 3170	10.47 (34.4)
Ground Line	kg lb	*6070 *13380	*6070 *13380	*10790 *23790	*10790 *23790	*11840 *26100	6050 13340	7530 16600	3830 8440	5190 11440	2620 5780	3810 8400	1860 4100	3140 6920	1500 3310	10.19 (33.4)
-1.5m (-5ft)	kg lb	*8900 *19620	*8900 *19620	*12960 *28570	11650 25680	12090 26650	5780 12740	7300 16090	3640 8020	5050 11130	2500 5510			3450 7610	1670 3680	9.63 (31.6)
-3.0m (-10ft)	kg lb	*11930 *26300	*11930 *26300	*16500 *36380	11760 25930	12040 26540	5730 12630	7230 15940	3580 7890	5030 11090	2480 5470			4110 9060	2060 4540	8.73 (28.6)
-4.5m (-15ft)	kg lb	*15520 *34220	*15520 *34220	*17670 *38960	12100 26680	*11870 *26170	5870 12940	7340 16180	3670 8090					5620 12390	2940 6480	7.32 (24.0)

(5) 5.30m(17' 5") boom, 2.10m(6' 11") arm equipped with 1.50m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

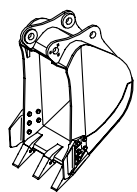
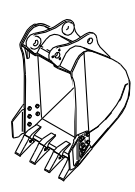
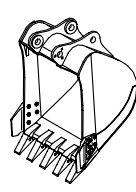
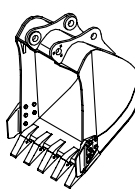
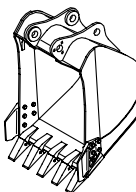
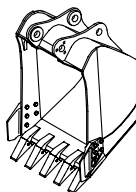
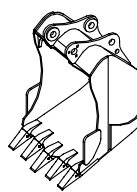
Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														
6.0m (20ft)	kg lb							*6200 *13670	4870 10740			5520 12170	3030 6680	7.72 (25.3)
4.5m (15ft)	kg lb							*6660 *14680	4710 10380			4680 10320	2480 5470	8.37 (27.5)
3.0m (10ft)	kg lb					*9820 *21650	7130 15720	*7650 *16870	4420 9740			4310 9500	2240 4940	8.65 (28.4)
1.5m (5ft)	kg lb					*11970 *26390	6480 14290	7830 17260	4110 9060	5360 11820	2790 6150	4280 9440	2190 4830	8.61 (28.2)
Ground Line	kg lb			*11930 *26300	*11930 *26300	12510 27580	6140 13540	7590 16730	3910 8620			4570 10080	2350 5180	8.26 (27.1)
-1.5m (-5ft)	kg lb	*12760 *28130	*12760 *28130	*19410 *42790	12350 27230	12430 27400	6070 13380	7520 16580	3850 8490			5370 11840	2810 6190	7.52 (24.7)
-3.0m (-10ft)	kg lb			*17190 *37900	12690 27980	*11860 *26150	6220 13710					*6380 *14070	4020 8860	6.24 (20.5)

(6) 5.30m(17' 5") boom, 2.50m(8' 2") arm equipped with 1.50m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb							*5640 *12430	5010 11050			5140 11330	2820 6220	8.10 (26.6)
4.5m (15ft)	kg lb							*6210 *13690	4830 10650			4410 9720	2340 5160	8.70 (28.5)
3.0m (10ft)	kg lb			*14450 *31860	*14450 *31860	*9150 *20170	7340 16180	*7260 *16010	4520 9960	5580 12300	2990 6590	4080 8990	2110 4650	8.97 (29.4)
1.5m (5ft)	kg lb			*11350 *25020	*11350 *25020	*11480 *25310	6640 14640	7920 17460	4190 9240	5410 11930	2840 6260	4040 8910	2070 4560	8.94 (29.3)
Ground Line	kg lb			*13220 *29150	12270 27050	12620 27820	6220 13710	7650 16870	3960 8730	5290 11660	2730 6020	4280 9440	2190 4830	8.60 (28.2)
-1.5m (-5ft)	kg lb	*12190 *26870	*12190 *26870	*18370 *40500	12300 27120	12450 27450	6090 13430	7530 16600	3850 8490			4940 10890	2570 5670	7.90 (25.9)
-3.0m (-10ft)	kg lb	*17680 *38980	*17680 *38980	*18300 *40340	*12580 27730	*12380 *27290	6170 13600	7610 16780	3920 8640			*6530 *14400	3520 7760	6.71 (22.0)
-4.5m (-15ft)	kg lb			*14020 *30910	13180 29060	*9380 *20680	6530 14400							

6. BUCKET SELECTION GUIDE


1) GENERAL BUCKET


						
0.79m ³ PCSA heaped bucket	1.03m ³ PCSA heaped bucket	※ 1.08m ³ PCSA heaped bucket	1.27m ³ PCSA heaped bucket	1.38m ³ PCSA heaped bucket	1.50m ³ PCSA heaped bucket	◆ 1.03m ³ PCSA heaped bucket

Capacity		Width		Weight	Recommendation						
PCSA heaped	CECE heaped	Without side cutter	With side cutter		5.85m (19' 2") boom				5.30m (17' 5") boom		
					2.1m arm (6' 11")	2.5m arm (8' 2")	3.05m arm (10' 0")	3.6m arm (11' 10")	2.1m arm (6' 11")	2.5m arm (8' 2")	
0.79m ³ (1.03yd ³)	0.70m ³ (0.92yd ³)	890mm (35")	1010mm (40")	740kg (1630lb)							
1.03m ³ (1.35yd ³)	0.90m ³ (1.18yd ³)	1090mm (43")	1210mm (48")	850kg (1875lb)							
※ 1.08m ³ (1.41yd ³)	0.95m ³ (1.24yd ³)	1120mm (44")	1240mm (49")	860kg (1900lb)							
1.27m ³ (1.66yd ³)	1.10m ³ (1.44yd ³)	1290mm (51")	1410mm (56")	960kg (2115lb)							
1.38m ³ (1.80yd ³)	1.20m ³ (1.57yd ³)	1390mm (55")	1510mm (59")	980kg (2160lb)							
1.50m ³ (1.96yd ³)	1.30m ³ (1.70yd ³)	1490mm (59")	1610mm (63")	1020kg (2250lb)							
◆ 1.03m ³ (1.35yd ³)	0.90m ³ (1.18yd ³)	1090mm (43")	1210mm (48")	1040kg (2290lb)							

※ : Standard bucket

◆ : Rock bucket

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

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

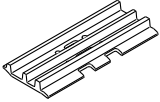
 Applicable for materials with density of 1100kg/m³ (1850lb/yd³) or less

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			
						
R250-3	Shoe width	mm(in)	600(24)	700(28)	800(32)	900(36)
	Operating weight	kg(lb)	23600(52000)	23900(52700)	24200(53400)	24500(54000)
	Ground pressure	kg/cm ² (psi)	0.53(7.54)	0.46(6.54)	0.41(5.83)	0.37(5.26)
	Overall width	mm(ft-in)	3180(10' 5")	3280(10' 9")	3380(11' 1")	3480(11' 5")
R250LC-3	Shoe width	mm(in)	600(24)	700(28)	800(32)	900(36)
	Operating weight	kg(lb)	24300(53600)	24600(54200)	24900(54900)	25200(55600)
	Ground pressure	kg/cm ² (psi)	0.49(6.97)	0.43(6.12)	0.38(5.40)	0.34(4.84)
	Overall width	mm(ft-in)	3180(10' 5")	3280(10' 9")	3380(11' 1")	3480(11' 5")
R250NLC-3	Shoe width	mm(in)	600(24)	-	-	-
	Operating weight	kg(lb)	24200(53400)	-	-	-
	Ground pressure	kg/cm ² (psi)	0.49(6.97)	-	-	-
	Overall width	mm(ft-in)	2980(9' 9")	-	-	-

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity	
	ROBEX 250-3	ROBEX 250LC-3 / 250NLC-3
Carrier rollers	2EA	2EA
Track rollers	9EA	10EA
Track shoes	48EA	51EA

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins B5.9-C
Type	4-cycle turbocharged, after cooled and low emission 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	102 × 120mm(4.02" × 4.72")
Piston displacement	5880cc(359cu in)
Compression ratio	16.5 : 1
Rated gross horse power(SAE J1349)	174Hp at 2200rpm(130kW at 2200rpm)
Maximum torque at 1500rpm	76.0kgf · m(550lbf · ft)
Engine oil quantity	29 l (7.7U.S. gal)
Dry weight	411kg(906lb)
High idling speed	2250+50rpm
Low idling speed	950 ± 100rpm
Rated fuel consumption	166.2g/Hp · hr
Starting motor	Delco Remy 37MT(24V)
Alternator	Delco Remy series 21Si(24V - 50AMP)
Battery	2 × 12V × 160Ah

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 105cc/rev
Maximum pressure	320kgf/cm ² (4550psi)[350kgf/cm ² (4980psi)]
Rated oil flow	2 × 230 l /min (60.8U.S. gpm/ 50.6U.K. gpm)
Rated speed	2200rpm

[] : Power boost

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	10cc/rev
Maximum pressure	40kgf/cm ² (570psi)
Rated oil flow	22 l /min(5.8U.S. gpm/4.8U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools two-block
Operating method	Hydraulic pilot system
Main relief valve pressure	320kgf/cm ² (4550psi) [350kgf/cm ² (4980psi)]
Overload relief valve pressure	380kgf/cm ² (5405psi)

[] : Power boost

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	151cc/rev
Relief pressure	275kgf/cm ² (3911psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	59kgf · m(427lbf · ft)
Brake release pressure	33~50kgf/cm ² (469~711psi)
Reduction gear type	2 - stage planetary
Swing speed	12.6rpm

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Relief pressure	320kgf/cm ² (4550psi)
Capacity(max / min)	134.7/87.3cc/rev
Reduction gear type	Rotor vector
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	6kgf/cm ² (85psi)
Braking torque	2436kgf · m(17620lbf · ft)

7) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	5.5kgf/cm ² (78psi)
	Maximum	19.5kgf/cm ² (277psi)
Single operation stroke	Lever	82.7mm(3.3in)
	Pedal	123mm(4.8in)

8) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	∅ 140 × ∅ 95 × 1345mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	∅ 145 × ∅ 105 × 1750mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	∅ 135 × ∅ 90 × 1185mm
	Cushion	Extend only

9) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
R250-3	STD	600mm(24")	0.53kgf/cm ² (7.54psi)	48	3180mm(10' 5")
	OPT	700mm(28")	0.46kgf/cm ² (6.54psi)	48	3280mm(10' 9")
		800mm(32")	0.41kgf/cm ² (5.83psi)	48	3380mm(11' 1")
		900mm(36")	0.37kgf/cm ² (5.26psi)	48	3480mm(11' 5")
R250LC-3	STD	600mm(24")	0.49kgf/cm ² (6.97psi)	51	3180mm(10' 5")
	OPT	700mm(28")	0.43kgf/cm ² (6.12psi)	51	3280mm(10' 9")
		800mm(32")	0.38kgf/cm ² (5.40psi)	51	3380mm(11' 1")
		900mm(36")	0.34kgf/cm ² (4.84psi)	51	3480mm(11' 5")
R250NLC-3	STD	600mm(24")	0.49kgf/cm ² (6.97psi)	51	2980mm(9' 9")

10) BUCKET

Item		Capacity		Tooth quantity	Width	
		PCSA heaped	CECE heaped		Without side cutter	With side cutter
R250-3, R250LC-3, R250NLC-3	STD	1.08m ³ (1.41yd ³)	0.95m ³ (1.24yd ³)	5	1120mm(44")	1240mm(49")
	OPT	0.79m ³ (1.03yd ³)	0.70m ³ (0.92yd ³)	3	890mm(35")	1010mm(40")
		1.03m ³ (1.35yd ³)	0.90m ³ (1.18yd ³)	4	1090mm(43")	1210mm(48")
		1.27m ³ (1.66yd ³)	1.10m ³ (1.44yd ³)	5	1290mm(51")	1410mm(56")
		1.38m ³ (1.80yd ³)	1.20m ³ (1.57yd ³)	5	1390mm(55")	1510mm(59")
		1.50m ³ (1.96yd ³)	1.30m ³ (1.70yd ³)	5	1490mm(59")	1610mm(63")
		◆1.03m ³ (1.35yd ³)	0.90m ³ (1.18yd ³)	5	1090mm(43")	1210mm(48")

◆ : Rock bucket

9. RECOMMENDED OILS

Use only oils listed below or equivalent.

Do not mix different brand oil.

Service point	Kind of fluid	Capacity l (U.S. gal)	Ambient temperature °C(°F)								
			-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)		
Engine oil pan	Engine oil	24(6.3)							SAE 30		
										SAE 10W	
										SAE 10W-30	
										SAE 15W-40	
Swing drive	Gear oil	6.0(1.6)									
Final drive		5.4 × 2 (1.4 × 2)							SAE 85W-140		
Hydraulic tank	Hydraulic oil	Tank; 240(63.4) System; 340(90)							ISO VG 32		
										ISO VG 46	
										ISO VG 68	
Fuel tank	Diesel fuel	340(89.8)							ASTM D975 NO.1		
										ASTM D975 NO.2	
Fitting (Grease nipple)	Grease	As required							NLGI NO.1		
										NLGI NO.2	
Radiator (Reservoir tank)	Mixture of antifreeze and water 50 : 50	35(9.2)							Ethylene glycol base permanent type		

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