

5. LIFTING CAPACITIES

1) ROBEX 180LC-7A

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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)
7.5m (25ft)	kg lb											*3060 *6750	*3060 *6750	6.33 (20.8)
6.0m (20ft)	kg lb							*2730 *6020	*2730 *6020			*3040 *6700	2480 5470	7.56 (24.8)
4.5m (15ft)	kg lb							*3480 *7670	*3480 *7670			*3090 *6810	2050 4520	8.28 (27.2)
3.0m (10ft)	kg lb			*7340 *16180	*7340 *16180	*4920 *10850	*4920 *10850	*3970 *8750	3460 7630	*2540 *5600	2340 5160	3010 6640	1850 4080	8.64 (28.3)
1.5m (5ft)	kg lb			*7700 *16980	*7700 *16980	*6170 *13600	5120 11290	*4550 *10030	3280 7230	*3320 *7320	2270 5000	2940 6480	1790 3950	8.68 (28.5)
Ground Line	kg lb			*7450 *16420	*7450 *16420	*6950 *15320	4850 10690	*4980 *10980	3130 6900	*3150 *6940	2200 4850	3050 6720	1860 4100	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6320 *13930	*6320 *13930	*10020 *22090	9260 20410	*7070 *15590	4740 10450	*5050 *11130	3060 6750			*3430 *7560	2100 4630	7.81 (25.6)
-3.0m (-10ft)	kg lb	*9350 *20610	*9350 *20610	*9550 *21050	9390 20700	*6450 *14220	4770 10520	*4500 *9920	3090 6810			*3350 *7390	2700 5950	6.75 (22.1)
-4.5m (-15ft)	kg lb			*6930 *15280	*6930 *15280	*4590 *10120	*4590 *10120							

- 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) 5.1m(16' 9") boom, 2.2m(7' 3") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

-  : 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)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3380 *7450	*3380 *7450	5.81 (19.1)
6.0m (20ft)	kg lb									*3320 *7320	2730 6020	7.16 (23.5)
4.5m (15ft)	kg lb					*4240 *9350	*4240 *9350	*3800 *8380	3590 7910	*3340 *7360	2230 4920	7.92 (26.0)
3.0m (10ft)	kg lb			*8440 *18610	*8440 *18610	*5370 *11840	*5370 *11840	*4250 *9370	3450 7610	3230 7120	2010 4430	8.30 (27.2)
1.5m (5ft)	kg lb					*6520 *14370	5100 11240	*4780 *10540	3290 7250	3160 6970	1950 4300	8.34 (27.4)
Ground Line	kg lb			*6730 *14840	*6730 *14840	*7130 *15720	4870 10740	*5110 *11270	3170 6990	3310 7300	2030 4480	8.06 (26.4)
-1.5m (-5ft)	kg lb	*6630 *14620	*6630 *14620	*10510 *23170	9380 20680	*7050 *15540	4810 10600	*5050 *11130	3120 6880	*3580 *7890	2330 5140	7.42 (24.3)
-3.0m (-10ft)	kg lb	*10580 *23320	*10580 *23320	*8940 *19710	*8940 *19710	*6190 *13650	4870 10740			*3360 *7410	3090 6810	6.28 (20.6)
-4.5m (-15ft)	kg lb			*5810 *12810	*5810 *12810							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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)
7.5m (25ft)	kg lb											*2700 *5950	*2700 *5950	6.92 (22.7)
6.0m (20ft)	kg lb							*2620 *5780	*2620 *5780			*2730 *6020	2200 4850	8.05 (26.4)
4.5m (15ft)	kg lb							*3090 *6810	*3090 *6810	*1910 *4210	*1910 *4210	*2800 *6170	1840 4060	8.73 (28.6)
3.0m (10ft)	kg lb					*4350 *9590	*4350 *9590	*3620 *7980	3460 7630	*2820 *6220	2330 5140	2690 5930	1660 3660	9.06 (29.7)
1.5m (5ft)	kg lb			*9480 *20900	*9480 *20900	*5700 *12570	5150 11350	*4260 *9390	3260 7190	*3540 *7800	2240 4940	2620 5780	1610 3550	9.10 (29.9)
Ground Line	kg lb			*8230 *18140	*8230 *18140	*6680 *14730	4820 10630	*4790 *10560	3090 6810	3490 7690	2150 4740	2710 5970	1660 3660	8.85 (29.0)
-1.5m (-5ft)	kg lb	*5980 *13180	*5980 *13180	*9760 *21520	9120 20110	*7020 *15480	4670 10300	4890 10780	2990 6590	*2950 *6500	2110 4650	3000 6610	1850 4080	8.28 (27.2)
-3.0m (-10ft)	kg lb	*8450 *18630	*8450 *18630	*10130 *22330	9180 20240	*6670 *14700	4650 10250	*4720 *10410	2980 6570			*3270 *7210	2300 5070	7.30 (24.0)
-4.5m (-15ft)	kg lb	*11670 *25730	*11670 *25730	*8010 *17660	*8010 *17660	*5360 *11820	4770 10520							

(4) 5.1m(16' 9") hydraulic adjustable boom, 2.2m(7' 3") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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											*3370 *7430	2670 5890	7.24 (23.8)
4.5m (15ft)	kg lb							*3840 *8470	3600 7940			*3340 *7360	2180 4810	7.99 (26.2)
3.0m (10ft)	kg lb					*5410 *11930	*5410 *11930	*4260 *9390	3450 7610			3200 7050	1960 4320	8.36 (27.4)
1.5m (5ft)	kg lb					*6470 *14260	5080 11200	*4740 *10450	3270 7210	*3220 *7100	2270 5000	3140 6920	1900 4190	8.41 (27.6)
Ground Line	kg lb			*5880 *12960	*5880 *12960	*7010 *15450	4840 10670	*5030 *11090	3140 6920			3290 7250	2000 4410	8.13 (26.7)
-1.5m (-5ft)	kg lb	*5870 *12940	*5870 *12940	*9760 *21520	9340 20590	*6870 *15150	4780 10540	*4920 *10850	3100 6830			*3320 *7320	2290 5050	7.50 (24.6)
-3.0m (-10ft)	kg lb			*8470 *18670	*8470 *18670	*5920 *13050	4860 10710					*2910 *6420	*2910 *6420	6.37 (20.9)

(5) 5.1m(16' 9") hydraulic adjustable boom, 2.6m(8' 6") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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											*3100 *6830	2410 5310	7.66 (25.1)
4.5m (15ft)	kg lb											*3090 *6810	2000 4410	8.37 (27.5)
3.0m (10ft)	kg lb							*3990 *8800	3460 7630	*2920 *6440	2330 5140	2970 6550	1800 3970	8.72 (28.6)
1.5m (5ft)	kg lb			*6670 *14700	*6670 *14700	*6150 *13560	5110 11270	*4530 *9990	3260 7190	*3680 *8110	2250 4960	2900 6390	1740 3840	8.77 (28.8)
Ground Line	kg lb			*6670 *14700	*6670 *14700	*6860 *15120	4820 10630	*4910 *10820	3110 6860	3630 8000	2190 4830	3020 6660	1820 4010	8.50 (27.9)
-1.5m (-5ft)	kg lb	*5710 *12590	*5710 *12590	*9370 *20660	9220 20330	*6910 *15230	4710 10380	*4940 *10890	3040 6700			*3180 *7010	2060 4540	7.90 (25.9)
-3.0m (-10ft)	kg lb	*8910 *19640	*8910 *19640	*9130 *20130	*9130 *20130	*6210 *13690	4750 10470	*4310 *9500	3080 6790			*2940 *6480	2640 5820	6.86 (22.5)
-4.5m (-15ft)	kg lb			*6310 *13910	*6310 *13910	*4190 *9240	*4190 *9240							

2) ROBEX 180NLC-7A

(1) 5.1m(16' 9") boom, 2.2m(7' 3") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

-  : 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)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3380 *7450	*3380 *7450	5.81 (19.1)
6.0m (20ft)	kg lb									*3320 *7320	2390 5270	7.16 (23.5)
4.5m (15ft)	kg lb					*4240 *9350	*4240 *9350	*3800 *8380	3140 6920	*3340 *7360	1930 4250	7.92 (26.0)
3.0m (10ft)	kg lb			*8440 *18610	*8440 *18610	*5370 *11840	4750 10470	*4250 *9370	3000 6610	3220 7100	1730 3810	8.30 (27.2)
1.5m (5ft)	kg lb					*6520 *14370	4390 9680	*4780 *10540	2840 6260	3140 6920	1670 3680	8.34 (27.4)
Ground Line	kg lb			*6730 *14840	*6730 *14840	*7130 *15720	4180 9220	*5110 *11270	2730 6020	3290 7250	1740 3840	8.06 (26.4)
-1.5m (-5ft)	kg lb	*6630 *14620	*6630 *14620	*10510 *23170	7840 17280	*7050 *15540	4110 9060	*5050 *11130	2680 5910	*3580 *7890	2010 4430	7.42 (24.3)
-3.0m (-10ft)	kg lb	*10580 *23320	*10580 *23320	*8940 *19710	*8000 *17640	*6190 *13650	4170 9190			*3360 *7410	2670 5890	6.28 (20.6)
-4.5m (-15ft)	kg lb			*5810 *12810	*5810 *12810							

- 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) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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)
7.5m (25ft)	kg lb											*3060 *6750	*3040 *6700	6.33 (20.8)
6.0m (20ft)	kg lb							*2730 *6020	*2730 *6020			*3040 *6700	2160 4760	7.56 (24.8)
4.5m (15ft)	kg lb							*3480 *7670	*3160 *6970			*3090 *6810	1770 3900	8.28 (27.2)
3.0m (10ft)	kg lb			*7340 *16180	*7340 *16180	*4920 *10850	4800 10850	*3970 *8750	3010 6640	*2540 *5600	2020 4450	2990 6590	1580 3480	8.64 (28.3)
1.5m (5ft)	kg lb			*7700 *16980	*7700 *16980	*6170 *13600	4410 9720	*4550 *10030	2830 6240	*3320 *7320	1880 4140	3040 6700	1580 3480	8.68 (28.5)
Ground Line	kg lb			*7450 *16420	*7450 *16420	*6950 *15320	4150 9150	*4980 *10980	2690 5930	*3150 *6940	1880 4140	3040 6700	1580 3480	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6320 *13930	*6320 *13930	*10020 *22090	7730 17040	*7070 *15590	4050 8930	5040 11110	2620 5780			3420 7540	1800 3970	7.81 (25.6)
-3.0m (-10ft)	kg lb	*9350 *20610	*9350 *20610	*9550 *21050	7850 17310	*6450 *14220	4070 8970	*4500 *9920	2650 5840			*3350 *7390	2320 5110	6.75 (22.1)
-4.5m (-15ft)	kg lb			*6930 *15280	*6930 *15280	*4590 *10120	4250 9370							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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)
7.5m (25ft)	kg lb											*2700 *5950	*2700 *5950	6.92 (22.7)
6.0m (20ft)	kg lb							*2620 *5780	*2620 *5780			*2730 *6020	1910 4210	8.05 (26.4)
4.5m (15ft)	kg lb							*3090 *6810	*3090 *6810	*1910 *4210	*1910 *4210	*2800 *6170	1580 3480	8.73 (28.6)
3.0m (10ft)	kg lb					*4350 *9590	*4350 *9590	*3620 *7980	3010 6640	*2820 *6220	2010 4430	2670 5890	1410 3110	9.06 (29.7)
1.5m (5ft)	kg lb			*9480 *20900	8330 18360	*5700 *12570	4440 9790	*4260 *9390	2810 6190	*3540 *7800	1910 4210	2600 5730	1360 3000	9.10 (29.9)
Ground Line	kg lb			*8230 *18140	7740 17060	*6680 *14730	4130 9110	*4790 *10560	2650 5840	3470 7650	1830 4030	2690 5930	1400 3090	8.85 (29.0)
-1.5m (-5ft)	kg lb	*5980 *13180	*5980 *13180	*9760 *21520	7590 16730	*7020 *15480	3970 8750	4860 10710	2550 5620	*2950 *6500	1790 3950	2990 6590	1570 3460	8.28 (27.2)
-3.0m (-10ft)	kg lb	*8450 *18630	*8450 *18630	*10130 *22330	7650 16870	*6670 *14700	3960 8730	*4720 *10410	2540 5600			*3270 *7210	1970 4340	7.30 (24.0)
-4.5m (-15ft)	kg lb	*11670 *25730	*11670 *25730	*8010 *17660	7870 17350	*5360 *11820	4070 8970							

3) ROBEX 180LCD-7A

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

-  : 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
														m(ft)
7.5m (25ft)	kg lb											*3060 *6750	*3060 *6750	6.33 (20.8)
6.0m (20ft)	kg lb							*2730 *6020	*2730 *6020			*3040 *6700	2630 5800	7.56 (24.8)
4.5m (15ft)	kg lb							*3480 *7670	*3480 *7670			*3090 *6810	2190 4830	8.28 (27.2)
3.0m (10ft)	kg lb			*7340 *16180	*7340 *16180	*4920 *10850	*4920 *10850	*3970 *8750	3660 8070	*2540 *5600	2500 5510	*3170 *6990	1980 4370	8.64 (28.3)
1.5m (5ft)	kg lb			*7700 *16980	*7700 *16980	*6170 *13600	5410 11930	*4550 *10030	3480 7670	*3320 *7320	2420 5340	*3270 *7210	1920 4230	8.68 (28.5)
Ground Line	kg lb			*7450 *16420	*7450 *16420	*6950 *15320	5140 11330	*4980 *10980	3330 7340	*3150 *6940	2360 5200	*3370 *7430	1990 4390	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6320 *13930	*6320 *13930	*10020 *22090	9800 21610	*7070 *15590	5040 11110	*5050 *11130	3260 7190			*3430 *7560	2250 4960	7.81 (25.6)
-3.0m (-10ft)	kg lb	*9350 *20610	*9350 *20610	*9550 *21050	*9550 *21050	*6450 *14220	5060 11160	*4500 *9920	3290 7250			*3350 *7390	2870 6330	6.75 (22.1)
-4.5m (-15ft)	kg lb			*6930 *15280	*6930 *15280	*4590 *10120	*4590 *10120							

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4.5m (15ft)	kg lb					*4240 *9350	*4240 *9350	*3800 *8380	3790 8360	*3340 *7360	2380 5250	7.92 (26.0)
3.0m (10ft)	kg lb			*8440 *18610	*8440 *18610	*5370 *11840	*5370 *11840	*4250 *9370	3650 8050	*3410 *7520	2140 4720	8.30 (27.2)
1.5m (5ft)	kg lb					*6520 *14370	5390 11880	*4780 *10540	3490 7690	*3520 *7720	2080 4590	8.34 (27.4)
Ground Line	kg lb			*6730 *14840	*6730 *14840	*7130 *15720	5170 11440	*5110 *11270	3370 7430	*3570 *7870	2170 4780	8.06 (26.4)
-1.5m (-5ft)	kg lb	*6630 *14620	*6630 *14620	*10510 *23170	9920 21870	*7050 *15540	5100 11240	*5050 *11130	3320 7320	*3580 *7890	2490 5490	7.42 (24.3)
-3.0m (-10ft)	kg lb	*10580 *23320	*10580 *23320	*8940 *19710	*8940 *19710	*6190 *13650	5160 11380			*3360 *7410	3280 7230	6.28 (20.6)
-4.5m (-15ft)	kg lb			*5810 *12810	*5810 *12810							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.76m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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														m(ft)
7.5m (25ft)	kg lb											*2700 *5950	*2700 *5950	6.92 (22.7)
6.0m (20ft)	kg lb							*2620 *5780	*2620 *5780			*2730 *6020	2340 5160	8.05 (26.4)
4.5m (15ft)	kg lb							*3090 *6810	*3090 *6810	*1910 *4210	*1910 *4210	*2800 *6170	1970 4340	8.73 (28.6)
3.0m (10ft)	kg lb					*4350 *9590	*4350 *9590	*3620 *7980	3620 7980	*2820 *6220	2480 5470	*2890 *6370	1790 3950	9.06 (29.7)
1.5m (5ft)	kg lb			*9480 *20900	*9480 *20900	*5700 *12570	5440 11990	*4260 *9390	3460 7630	*3540 *7800	2390 5270	*3010 *6640	1730 3810	9.10 (29.9)
Ground Line	kg lb			*8230 *18140	*8230 *18140	*6680 *14730	5120 11290	*4790 *10560	3290 7250	3770 8310	2310 5090	*3120 *6880	1780 3920	8.85 (29.0)
-1.5m (-5ft)	kg lb	*5980 *13180	*5980 *13180	*9760 *21520	9650 21270	*7020 *15480	4960 10930	*5000 *11020	3190 7030	*2950 *6500	2260 4980	*3230 *7120	1980 4370	8.28 (27.2)
-3.0m (-10ft)	kg lb	*8450 *18630	*8450 *18630	*10130 *22330	9710 21410	*6670 *14700	4940 10890	*4720 *10410	3180 7010			*3270 *7210	2460 5420	7.30 (24.0)
-4.5m (-15ft)	kg lb	*11670 *25730	*11670 *25730	*8010 *17660	*8010 *17660	*5360 *11820	5060 11160							