

5. LIFTING CAPACITIES

1) ROBEX 180LC-7

(1) 5.1m(16' 9") boom, 2.2m(7' 3") arm equipped with 0.76m³(SAE 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)		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							

- 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.

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							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.76m³(SAE 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)
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.

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.

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-7

(1) 5.1m(16' 9") boom, 2.2m(7' 3") arm equipped with 0.76m³(SAE 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)		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.

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.

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							