

5. LIFTING CAPACITIES

1) ROBEX 160LC-7A

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.7m³(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											*3080 *6790	2940 6480	6.33 (20.8)
6.0m (20ft)	kg lb							*2760 *6080	*2760 *6080			*3070 *6770	2090 4610	7.56 (24.8)
4.5m (15ft)	kg lb							*3500 *7720	3050 6720			2880 6350	1710 3770	8.28 (27.2)
3.0m (10ft)	kg lb			*7360 *16230	*7360 *16230	*4940 *10890	4630 10210	*4000 *8820	2900 6390	*2560 *5640	1940 4280	2630 5800	1520 3350	8.64 (28.3)
1.5m (5ft)	kg lb			*7670 *16910	*7670 *16910	*6190 *13650	4250 9370	*4570 *10080	2720 6000	3220 7100	1870 4120	2560 5640	1470 3240	8.68 (28.5)
Ground Line	kg lb			*7420 *16360	*7420 *16360	*6980 *15390	3990 8800	4480 9880	2590 5710	3150 6940	1810 3990	2660 5860	1520 3350	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6300 *13890	*6300 *13890	*10000 *22050	7410 16340	6990 15410	3890 8580	4400 9700	2520 5560			3000 6610	1730 3810	7.81 (25.6)
-3.0m (-10ft)	kg lb	*9330 *20570	*9330 *20570	*9580 *21120	7530 16600	*6480 *14290	3910 8620	4430 9770	2540 5600			*3370 *7430	2230 4920	6.75 (22.1)
-4.5m (-15ft)	kg lb			*6950 *15320	*6950 *15320	*4610 *10160	4090 9020							

- 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 0.7m³(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)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3400 *7500	3380 7450	5.81 (19.1)
6.0m (20ft)	kg lb									*3340 *7360	2300 5070	7.16 (23.5)
4.5m (15ft)	kg lb					*4260 *9390	*4260 *9390	*3820 *8420	3030 6680	3120 6880	1860 4100	7.92 (26.0)
3.0m (10ft)	kg lb			*8470 *18670	*8470 *18670	*5390 *11880	4580 10100	*4280 *9440	2890 6370	2830 6240	1660 3660	8.30 (27.2)
1.5m (5ft)	kg lb					*6540 *14420	4220 9300	4640 10230	2740 6040	2760 6080	1600 3530	8.34 (27.4)
Ground Line	kg lb			*6700 *14770	*6700 *14770	7130 15720	4010 8840	4510 9940	2620 5780	2890 6370	1680 3700	8.06 (26.4)
-1.5m (-5ft)	kg lb	*6610 *14570	*6610 *14570	*10490 *23130	7530 16600	7060 15560	3950 8710	4460 9830	2570 5670	3300 7280	1930 4250	7.42 (24.3)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8970 *19780	7680 16930	*6210 *13690	4010 8840			*3380 *7450	2570 5670	6.28 (20.6)
-4.5m (-15ft)	kg lb			*5840 *12870	*5840 *12870							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.7m³(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											*2730 *6020	2520 5560	6.92 (22.7)
6.0m (20ft)	kg lb							*2640 *5820	*2640 *5820			*2760 *6080	1850 4080	8.05 (26.4)
4.5m (15ft)	kg lb							*3110 *6860	3080 6790	*1940 *4280	*1940 *4280	2630 5800	1530 3370	8.73 (28.6)
3.0m (10ft)	kg lb					*4380 *9660	*4380 *9660	*3640 *8020	2920 6440	*2840 *6260	1940 4280	2410 5310	1370 3020	9.06 (29.7)
1.5m (5ft)	kg lb			*9510 *20970	8060 17770	*5730 *12630	4300 9480	*4290 *9460	2720 6000	3200 7050	1850 4080	2340 5160	1310 2890	9.10 (29.9)
Ground Line	kg lb			*8210 *18100	7460 16450	*6710 *14790	3900 8800	4460 9830	2560 5640	3120 6880	1770 3900	2420 5340	1350 2980	8.85 (29.0)
-1.5m (-5ft)	kg lb	*5960 *13140	*5960 *13140	*9730 *21450	7320 16140	6940 15300	3830 8440	4350 9590	2470 5450	*2970 *6550	1730 3810	2680 5910	1510 3330	8.28 (27.2)
-3.0m (-10ft)	kg lb	*8420 *18560	*8420 *18560	*10150 *22380	7380 16270	*6700 *14770	3820 8420	4340 9570	2450 5400			*3290 *7250	1900 4190	7.30 (24.0)
-4.5m (-15ft)	kg lb	*11640 *25660	*11640 *25660	*8040 *17730	7600 16760	*5380 *11860	3930 8660							

(4) 5.1m(16' 9") hydraulic adjustable boom, 2.2m(7' 3") arm equipped with 0.7m³(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											*3390 *7470	2230 4920	7.24 (23.8)
4.5m (15ft)	kg lb							*3860 *8510	3020 6660			3080 6790	1810 3990	7.99 (26.2)
3.0m (10ft)	kg lb					*5440 *11990	4570 10080	*4280 *9440	2880 6350			2800 6170	1610 3550	8.36 (27.4)
1.5m (5ft)	kg lb					*6500 *14330	4190 9240	4660 10270	2710 5970	*3240 *7140	1860 4100	2730 6020	1560 3440	8.41 (27.6)
Ground Line	kg lb			*5860 *12920	*5860 *12920	*7040 *15520	3960 8730	4520 9960	2590 5710			2860 6310	1630 3590	8.13 (24.6)
-1.5m (-5ft)	kg lb	*5850 *12900	*5850 *12900	*9740 *21470	7460 16450	*6890 *15190	3900 8600	4480 9880	2540 5600			3270 7210	1890 4170	7.50 (24.6)
-3.0m (-10ft)	kg lb			*8500 *18740	7650 16870	*5940 *13100	3980 8770					*2930 *6460	2530 5580	6.37 (20.9)

(5) 5.1m(16' 9") hydraulic adjustable boom, 2.6m(8' 6") arm equipped with 0.7m³(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											*3120 *6880	2010 4430	7.66 (25.1)
4.5m (15ft)	kg lb											2850 6280	1640 3620	8.37 (27.5)
3.0m (10ft)	kg lb							*4020 *8860	2890 6370	*2940 *6480	1920 4230	2600 5730	1470 3240	8.72 (28.6)
1.5m (5ft)	kg lb			*6640 *14640	*6640 *14640	*6170 *13600	4220 9300	*4550 *10030	2700 5950	3250 7170	1840 4060	2540 5600	1420 3130	8.77 (28.8)
Ground Line	kg lb			*6650 *14660	*6650 *14660	*6880 *15170	3940 8690	4510 9940	2550 5620	3180 7010	1780 3920	2650 5840	1480 3260	8.50 (27.9)
-1.5m (-5ft)	kg lb	*5680 *12520	*5680 *12520	*9340 *20590	7340 16180	*6930 *15280	3840 8470	4440 9790	2480 5470			2980 6570	1680 3700	7.90 (25.9)
-3.0m (-10ft)	kg lb	*8890 *19600	*8890 *19600	*9150 *20170	7480 16490	*6240 *13760	3880 8550	*4340 *9570	2520 5560			*2970 *6550	2180 4810	6.86 (22.5)
-4.5m (-15ft)	kg lb			*6330 *13960	*6330 *13960	*4220 *9300	4080 8990							

2) ROBEX 160LCD-7A

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.7m³(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											*3080 *6790	*3080 *6790	6.33 (20.8)
6.0m (20ft)	kg lb							*2760 *6080	*2760 *6080			*3070 *6770	2210 4870	7.56 (24.8)
4.5m (15ft)	kg lb							*3500 *7720	3210 7080			*3120 *6880	1820 4010	8.28 (27.2)
3.0m (10ft)	kg lb			*7360 *16230	*7360 *16230	*4940 *10890	4870 10740	*4000 *8820	3060 6750	*2560 *5640	2070 4560	2940 6480	1630 3590	8.64 (28.3)
1.5m (5ft)	kg lb			*7670 *16910	*7670 *16910	*6190 *13650	4480 9880	*4570 *10080	2890 6370	*3340 *7360	1990 4390	2870 6330	1570 3460	8.68 (28.5)
Ground Line	kg lb			*7420 *16360	*7420 *16360	*6980 *15390	4220 9300	4980 10980	2750 6060	*3170 *6990	1930 4250	2980 6570	1630 3590	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6300 *13890	*6300 *13890	*10000 *22050	7840 17280	*7090 *15630	4120 9080	4900 10800	2680 5910			3350 7390	1850 4080	7.81 (25.6)
-3.0m (-10ft)	kg lb	*9330 *20570	*9330 *20570	*9580 *21120	7950 17530	*6480 *14290	4150 9150	*4530 *9990	2710 5970			*3370 *7430	2380 5250	6.75 (22.1)
-4.5m (-15ft)	kg lb			*6950 *15320	*6950 *15320	*4610 *10160	4320 9520							

- 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.

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												m(ft)
7.5m (25ft)	kg lb									*3400 *7500	*3400 *7500	5.81 (19.1)
6.0m (20ft)	kg lb									*3340 *7360	2440 5380	7.16 (23.5)
4.5m (15ft)	kg lb					*4260 *9390	*4260 *9390	*3820 *8420	3190 7030	*3370 *7430	1980 4370	7.92 (26.0)
3.0m (10ft)	kg lb			*8470 *18670	*8470 *18670	*5390 *11880	4820 10630	*4280 *9440	3060 6750	3160 6970	1770 3900	8.30 (27.2)
1.5m (5ft)	kg lb					*6540 *14420	4460 9830	*4800 *10580	2900 6390	3090 6810	1720 3790	8.34 (27.4)
Ground Line	kg lb			*6700 *14770	*6700 *14770	*7150 *15760	4250 9370	5010 11050	2780 6130	3230 7120	1790 3950	8.06 (26.4)
-1.5m (-5ft)	kg lb	*6610 *14570	*6610 *14570	*10490 *23130	7950 17530	*7070 *15590	4190 9240	4960 10930	2740 6040	*3610 *7960	2060 4540	7.42 (24.3)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8970 *19780	8100 17860	*6210 *13690	4240 9350			*3380 *7450	2730 6020	6.28 (20.6)
-4.5m (-15ft)	kg lb			*5840 *12870	*5840 *12870							

(3) 5.1m(16' 9") boom, 3.1m(11' 1") arm equipped with 0.7m³(SAE heaped) bucket and 600mm(24") triple grouser shoe and 2950kg counterweight.

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														m(ft)
7.5m (25ft)	kg lb											*2730 *6020	2650 5840	6.92 (22.7)
6.0m (20ft)	kg lb							*2640 *5820	*2640 *5820			*2760 *6080	1970 4340	8.05 (26.4)
4.5m (15ft)	kg lb							*3110 *6860	*3110 *6860	*1940 *4280	*1940 *4280	*2830 *6240	1630 3590	8.73 (28.6)
3.0m (10ft)	kg lb					*4380 *9660	*4380 *9660	*3640 *8020	3080 6790	*2840 *6260	2070 4560	2700 5950	1470 3240	9.06 (29.7)
1.5m (5ft)	kg lb			*9510 *20970	8480 18700	*5730 *12630	4530 9990	*4290 *9460	2890 6370	*3560 *7850	1980 4370	2630 5800	1410 3110	9.10 (29.9)
Ground Line	kg lb			*8210 *18100	7890 17390	*6710 *14790	4220 9300	*4810 *10600	2730 6020	3490 7690	1900 4190	2720 6000	1460 3220	8.85 (29.0)
-1.5m (-5ft)	kg lb	*5960 *13140	*5960 *13140	*9730 *21450	7740 17060	*7050 *15540	4070 8970	4850 10690	2630 5800	*2970 *6550	1850 4080	3100 6640	1630 3590	8.28 (27.2)
-3.0m (-10ft)	kg lb	*8420 *18560	*8420 *18560	*10150 *22380	7800 17200	*6700 *14770	4050 8930	*4750 *10470	2620 5780			*3290 *7250	2030 4480	7.30 (24.0)
-4.5m (-15ft)	kg lb	*11640 *25660	*11640 *25660	*8040 *17730	8020 17680	*5380 *11860	4170 9190							

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		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		Capacity		Reach
														m(ft)
6.0m (20ft)	kg lb											*3390 *7470	2360 5200	7.24 (23.8)
4.5m (15ft)	kg lb							*3860 *8510	3190 7030			*3360 *7410	1920 4230	7.99 (26.2)
3.0m (10ft)	kg lb					*5440 *11990	4810 10600	*4280 *9440	3040 6700			3120 6880	1720 3790	8.36 (27.4)
1.5m (5ft)	kg lb					*6500 *14330	4430 9770	*4760 *10490	2870 6330	*3240 *7140	1990 4390	3050 6720	1670 3680	8.41 (27.6)
Ground Line	kg lb			*5860 *12920	*5860 *12920	*7040 *15520	4200 9260	5020 11070	2750 6060			3200 7050	1750 3860	8.13 (26.7)
-1.5m (-5ft)	kg lb	*5850 *12900	*5850 *12900	*9740 *21470	7880 17370	*6890 *15190	4140 9130	*4940 *10890	2710 5970			*3340 *7360	2010 4430	7.50 (24.6)
-3.0m (-10ft)	kg lb			*8500 *18740	8070 17790	*5940 *13100	4220 9300					*2930 *6460	2680 5910	6.37 (20.9)

(5) 5.1m(16' 9") hydraulic adjustable boom, 2.6m(8' 6") arm equipped with 0.7m³(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											*3120 *6880	2130 4700	7.66 (25.1)
4.5m (15ft)	kg lb											*3110 *6860	1760 3880	8.37 (27.5)
3.0m (10ft)	kg lb							*4020 *8860	3050 6720	*2940 *6480	2050 4520	2900 6390	1580 3480	8.72 (28.6)
1.5m (5ft)	kg lb			*6640 *14640	*6640 *14640	*6170 *13600	4450 9810	*4550 *10030	2860 6310	3600 7940	1970 4340	2830 6240	1520 3350	8.77 (28.8)
Ground Line	kg lb			*6650 *14660	*6650 *14660	*6880 *15170	4180 9220	*4930 *10870	2720 6000	3530 7780	1910 4210	2950 6500	1580 3480	8.50 (27.9)
-1.5m (-5ft)	kg lb	*5680 *12520	*5680 *12520	*9340 *20590	7760 17110	*6930 *15280	4080 8990	4910 10820	2650 5840			*3210 *7080	1800 3970	7.90 (25.9)
-3.0m (-10ft)	kg lb	*8890 *19600	*8890 *19600	*9150 *20170	7900 17420	*6240 *13760	4110 9060	*4340 *9570	2680 5910			*2970 *6550	2320 5110	6.86 (22.5)
-4.5m (-15ft)	kg lb			*6330 *13960	*6330 *13960	*4220 *9300	*4220 *9300							