

5. LIFTING CAPACITIES

1) ROBEX 160LC-7

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.7m³(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)		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.

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.

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.

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.

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-7

(1) 5.1m(16' 9") boom, 2.6m(8' 6") arm equipped with 0.7m³(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)		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							

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		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	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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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	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.

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							