





















## 5. LIFTING CAPACITIES

### 1) ROBEX 110-7A

(1) 4.3m(14' 1") boom, 2.26m(7' 5") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe and 1450kg 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)
6.0m (20ft)	kg lb					*1750 <b>*3860</b>	*1750 <b>*3860</b>			*1750 <b>*3860</b>	*1560 <b>*3440</b>	5.99 <b>(19.7)</b>
4.5m (15ft)	kg lb					*1790 <b>*3950</b>	*1790 <b>*3950</b>	*1530 <b>*3370</b>	1490 <b>3280</b>	1520 <b>3350</b>	1130 <b>2490</b>	6.92 <b>(22.7)</b>
3.0m (10ft)	kg lb			*2820 <b>*6220</b>	*2820 <b>*6220</b>	*2270 <b>*5000</b>	*2270 <b>*5000</b>	1940 <b>4280</b>	1450 <b>3200</b>	1300 <b>2870</b>	940 <b>2070</b>	7.38 <b>(24.2)</b>
1.5m (5ft)	kg lb			*4700 <b>*10360</b>	4370 <b>9630</b>	*2970 <b>*6550</b>	2250 <b>4960</b>	1840 <b>4060</b>	1360 <b>3000</b>	1240 <b>2730</b>	880 <b>1940</b>	7.46 <b>(24.5)</b>
Ground Line	kg lb			5660 <b>12480</b>	3950 <b>8710</b>	2830 <b>6240</b>	2060 <b>4540</b>	1760 <b>3880</b>	1280 <b>2820</b>	1300 <b>2870</b>	930 <b>2050</b>	7.18 <b>(23.6)</b>
-1.5m (-5ft)	kg lb	*5580 <b>*12300</b>	*5580 <b>*12300</b>	5550 <b>12240</b>	3850 <b>8490</b>	2740 <b>6040</b>	1980 <b>4370</b>	1720 <b>3790</b>	1240 <b>2730</b>	1560 <b>3440</b>	1130 <b>2490</b>	6.49 <b>(21.3)</b>
-3.0m (-10ft)	kg lb	*8530 <b>*18810</b>	*8530 <b>*18810</b>	*5440 <b>*11990</b>	3930 <b>8660</b>	2770 <b>6110</b>	2010 <b>4430</b>			*2270 <b>*5000</b>	1730 <b>3810</b>	5.17 <b>(17.0)</b>

(2) 4.3m(14' 1") boom, 1.96m(6' 5") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe and 1450kg 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)
6.0m (20ft)	kg lb					*1770 <b>*3900</b>	*1770 <b>*3900</b>			*1820 <b>*4010</b>	1710 <b>3770</b>	5.62 <b>(18.4)</b>
4.5m (15ft)	kg lb					*1950 <b>*4300</b>	*1950 <b>*4300</b>			1610 <b>3550</b>	1180 <b>2600</b>	6.62 <b>(21.7)</b>
3.0m (10ft)	kg lb			*3160 <b>*6970</b>	*3160 <b>*6970</b>	*2410 <b>*5310</b>	2390 <b>5270</b>	1870 <b>4120</b>	1380 <b>3040</b>	1350 <b>2980</b>	970 <b>2140</b>	7.10 <b>(23.3)</b>
1.5m (5ft)	kg lb			*4940 <b>*10890</b>	4150 <b>9150</b>	2930 <b>6460</b>	2150 <b>4740</b>	1780 <b>3920</b>	1290 <b>2840</b>	1280 <b>2820</b>	910 <b>2010</b>	7.18 <b>(23.6)</b>
Ground Line	kg lb			5490 <b>12100</b>	3800 <b>8380</b>	2740 <b>6040</b>	1980 <b>4370</b>	1700 <b>3750</b>	1220 <b>2690</b>	1360 <b>3000</b>	960 <b>2120</b>	6.89 <b>(22.6)</b>
-1.5m (-5ft)	kg lb	*6090 <b>*13430</b>	*6090 <b>*13430</b>	5440 <b>11990</b>	3750 <b>8270</b>	2670 <b>5890</b>	1910 <b>4210</b>			1670 <b>3680</b>	1200 <b>2650</b>	6.15 <b>(20.2)</b>
-3.0m (-10ft)	kg lb	*9180 <b>*20240</b>	*9180 <b>*20240</b>	*5080 <b>*11200</b>	3880 <b>8550</b>	2750 <b>6060</b>	1980 <b>4370</b>					











- 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.

(3) 4.3m(14' 1") boom, 2.81m(9' 3") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe and 1450kg 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)
												
6.0m (20ft)	kg lb									*1570 <b>*3460</b>	1290 <b>2840</b>	6.66 <b>(21.9)</b>
4.5m (15ft)	kg lb							*1640 <b>*3620</b>	1570 <b>3460</b>	1330 <b>2930</b>	980 <b>2160</b>	7.50 <b>(24.6)</b>
3.0m (10ft)	kg lb					*1920 <b>*4230</b>	*1920 <b>*4230</b>	*1830 <b>*4030</b>	1500 <b>3310</b>	1160 <b>2560</b>	830 <b>1830</b>	7.92 <b>(26.0)</b>
1.5m (5ft)	kg lb			*4050 <b>*8930</b>	*4050 <b>*8930</b>	*2690 <b>*5930</b>	2340 <b>5160</b>	1890 <b>4170</b>	1410 <b>3110</b>	1100 <b>2430</b>	780 <b>1720</b>	7.99 <b>(26.2)</b>
Ground Line	kg lb	*3230 <b>*7120</b>	*3230 <b>*7120</b>	*5580 <b>*12300</b>	4110 <b>9060</b>	2900 <b>6390</b>	2130 <b>4700</b>	1790 <b>3950</b>	1310 <b>2890</b>	1150 <b>2540</b>	820 <b>1810</b>	7.74 <b>(25.4)</b>
-1.5m (-5ft)	kg lb	*4960 <b>*10930</b>	*4960 <b>*10930</b>	5620 <b>12390</b>	3920 <b>8640</b>	2770 <b>6110</b>	2010 <b>4430</b>	1730 <b>3810</b>	1250 <b>2760</b>	1330 <b>2930</b>	960 <b>2120</b>	7.11 <b>(23.3)</b>
-3.0m (-10ft)	kg lb	*7230 <b>*15940</b>	*7230 <b>*15940</b>	5630 <b>12410</b>	3930 <b>8660</b>	2760 <b>6080</b>	2000 <b>4410</b>			1830 <b>4030</b>	1350 <b>2980</b>	5.96 <b>(19.6)</b>
-4.5m (-15ft)	kg lb			*4480 <b>*9880</b>	4100 <b>9040</b>							

(4) 4.3m(14' 1") boom, 2.26m(7' 5") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe, 1450kg counterweight and rear dozer blade down.











-  : 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)
												
6.0m (20ft)	kg lb					*1750 <b>*3860</b>	*1750 <b>*3860</b>			*1750 <b>*3860</b>	*1750 <b>*3860</b>	5.99 <b>(19.7)</b>
4.5m (15ft)	kg lb					*1790 <b>*3950</b>	*1790 <b>*3950</b>	*1530 <b>*3370</b>	*1530 <b>*3370</b>	1650 <b>3640</b>	1340 <b>2950</b>	6.92 <b>(22.7)</b>
3.0m (10ft)	kg lb			*2820 <b>*6220</b>	*2820 <b>*6220</b>	*2270 <b>*5000</b>	*2270 <b>*5000</b>	*2060 <b>*4540</b>	1710 <b>3770</b>	1420 <b>3130</b>	1140 <b>2510</b>	7.38 <b>(24.2)</b>
1.5m (5ft)	kg lb			*4700 <b>*10360</b>	*4700 <b>*10360</b>	*2970 <b>*6550</b>	2650 <b>5840</b>	2000 <b>4410</b>	1620 <b>3570</b>	1360 <b>3000</b>	1080 <b>2380</b>	7.46 <b>(24.5)</b>
Ground Line	kg lb			*5860 <b>*12920</b>	4750 <b>10470</b>	3060 <b>6750</b>	2460 <b>5420</b>	1910 <b>4210</b>	1540 <b>3400</b>	1430 <b>3150</b>	1140 <b>2510</b>	7.18 <b>(23.6)</b>
-1.5m (-5ft)	kg lb	*5580 <b>*12300</b>	*5580 <b>*12300</b>	5980 <b>13180</b>	4640 <b>10230</b>	2970 <b>6550</b>	2370 <b>5220</b>	1880 <b>4140</b>	1500 <b>3310</b>	1700 <b>3750</b>	1360 <b>3000</b>	6.49 <b>(21.3)</b>
-3.0m (-10ft)	kg lb	*8530 <b>*18810</b>	*8530 <b>*18810</b>	*5440 <b>*11990</b>	4720 <b>10410</b>	3000 <b>6610</b>	2400 <b>5290</b>			*2270 <b>*5000</b>	2050 <b>4520</b>	5.17 <b>(17.0)</b>

(5) 4.3m(14' 1") boom, 1.96m(6' 5") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe, 1450kg counterweight and rear dozer blade down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
6.0m (20ft)	kg lb					*1770 <b>*3900</b>	*1770 <b>*3900</b>			*1820 <b>*4010</b>	*1820 <b>*4010</b>	5.62 <b>(18.4)</b>
4.5m (15ft)	kg lb					*1950 <b>*4300</b>	*1950 <b>*4300</b>			1750 <b>3860</b>	1420 <b>3130</b>	6.62 <b>(21.7)</b>
3.0m (10ft)	kg lb			*3160 <b>*6970</b>	*3160 <b>*6970</b>	*2410 <b>*5310</b>	*2410 <b>*5310</b>	2020 <b>4450</b>	1640 <b>3620</b>	1480 <b>3260</b>	1180 <b>2600</b>	7.10 <b>(23.3)</b>
1.5m (5ft)	kg lb			*4940 <b>*10890</b>	*4940 <b>*10890</b>	*3060 <b>*6750</b>	2550 <b>5620</b>	1940 <b>4280</b>	1560 <b>3440</b>	1410 <b>3110</b>	1120 <b>2470</b>	7.18 <b>(23.6)</b>
Ground Line	kg lb			*5870 <b>*12940</b>	4580 <b>10100</b>	2970 <b>6550</b>	2370 <b>5220</b>	1860 <b>4100</b>	1480 <b>3260</b>	1490 <b>3280</b>	1180 <b>2600</b>	6.89 <b>(22.6)</b>
-1.5m (-5ft)	kg lb	*6090 <b>*13430</b>	*6090 <b>*13430</b>	*5860 <b>*12920</b>	4540 <b>10010</b>	2900 <b>6390</b>	2310 <b>5090</b>			1820 <b>4010</b>	1460 <b>3220</b>	6.15 <b>(20.2)</b>
-3.0m (-10ft)	kg lb	*9180 <b>*20240</b>	*9180 <b>*20240</b>	*5080 <b>*11200</b>	4670 <b>10300</b>	2980 <b>6570</b>	2380 <b>5250</b>					

(6) 4.3m(14' 1") boom, 2.81m(9' 3") arm equipped with 0.45m<sup>3</sup>(SAE heaped) bucket and 500mm(20") triple grouser shoe, 1450kg counterweight and rear dozer blade down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
6.0m (20ft)	kg lb									*1570 <b>*3460</b>	*1520 <b>*3350</b>	6.66 <b>(21.9)</b>
4.5m (15ft)	kg lb							*1640 <b>*3620</b>	*1640 <b>*3620</b>	1450 <b>3200</b>	1170 <b>2580</b>	7.50 <b>(24.6)</b>
3.0m (10ft)	kg lb					*1920 <b>*4230</b>	*1920 <b>*4230</b>	*1830 <b>*4030</b>	1770 <b>3900</b>	1270 <b>2800</b>	1020 <b>2250</b>	7.92 <b>(26.0)</b>
1.5m (5ft)	kg lb			*4050 <b>*8930</b>	*4050 <b>*8930</b>	*2690 <b>*5930</b>	*2690 <b>*5930</b>	2050 <b>4520</b>	1670 <b>3680</b>	1210 <b>2670</b>	960 <b>2120</b>	7.99 <b>(26.2)</b>
Ground Line	kg lb	*3230 <b>*7120</b>	*3230 <b>*7120</b>	*5580 <b>*12300</b>	4910 <b>10820</b>	3130 <b>6900</b>	2530 <b>5580</b>	1950 <b>4300</b>	1570 <b>3460</b>	1290 <b>2780</b>	1000 <b>2200</b>	7.74 <b>(25.4)</b>
-1.5m (-5ft)	kg lb	*4960 <b>*10930</b>	*4960 <b>*10930</b>	6060 <b>13360</b>	4710 <b>10380</b>	3000 <b>6610</b>	2410 <b>5310</b>	1890 <b>4170</b>	1510 <b>3330</b>	1460 <b>3220</b>	1170 <b>2580</b>	7.11 <b>(23.3)</b>
-3.0m (-10ft)	kg lb	*7230 <b>*15940</b>	*7230 <b>*15940</b>	*5830 <b>*12850</b>	4720 <b>10410</b>	2980 <b>6570</b>	2390 <b>5270</b>			1990 <b>4390</b>	1610 <b>3550</b>	5.96 <b>(19.6)</b>
-4.5m (-15ft)	kg lb			*4480 <b>*9880</b>	*4480 <b>*9880</b>							