

## 5. LIFTING CAPACITIES

### 1) ROBEX 210LC-7H

(1) 5.68m(18' 8") boom, 2.92m(9' 7") arm equipped with 0.92m<sup>3</sup>(SAE heaped) bucket, 600mm (24") triple grouser shoe and 3800kg 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<br>(25ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *3120<br>*6880                                                                      | *3120<br>*6880                                                                      | 7.72<br>(25.3) |
| 6.0m<br>(20ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *3210<br>*7080                                                                      | 2530<br>5580                                                                        | 8.69<br>(28.5) |
| 4.5m<br>(15ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3770<br>*8310                                                                    | *3770<br>*8310                                                                    | *3590<br>*7910                                                                     | 3210<br>7080                                                                        | *3340<br>*7360                                                                      | 2170<br>4780                                                                        | 9.27<br>(30.4) |
| 3.0m<br>(10ft)    | kg<br>lb |                                                                                   |                                                                                   | *9160<br>*20190                                                                   | *9160<br>*20190                                                                   | *5760<br>*12700                                                                   | *5760<br>*12700                                                                   | *4530<br>*9990                                                                    | 4490<br>9900                                                                      | *3950<br>*8710                                                                     | 3070<br>6770                                                                        | *3490<br>*7690                                                                      | 1980<br>4370                                                                        | 9.55<br>(31.3) |
| 1.5m<br>(5ft)     | kg<br>lb |                                                                                   |                                                                                   | *8660<br>*19090                                                                   | *8660<br>*19090                                                                   | *7430<br>*16380                                                                   | 6500<br>14330                                                                     | *5380<br>*11860                                                                   | 4180<br>9220                                                                      | *4390<br>*9680                                                                     | 2910<br>6420                                                                        | 3440<br>7580                                                                        | 1930<br>4250                                                                        | 9.54<br>(31.3) |
| Ground<br>Line    | kg<br>lb |                                                                                   |                                                                                   | *9310<br>*20530                                                                   | *9310<br>*20530                                                                   | *8550<br>*18850                                                                   | 6100<br>13450                                                                     | *6060<br>*13360                                                                   | 3950<br>8710                                                                      | *4770<br>*10520                                                                    | 2780<br>6130                                                                        | 3580<br>7890                                                                        | 2000<br>4410                                                                        | 9.26<br>(30.4) |
| -1.5m<br>(-5ft)   | kg<br>lb | *8550<br>*18850                                                                   | *8550<br>*18850                                                                   | *12160<br>*26810                                                                  | 11830<br>26080                                                                    | *8950<br>*19730                                                                   | 5940<br>13100                                                                     | *6400<br>*14110                                                                   | 3820<br>8420                                                                      | 4870<br>10740                                                                      | 2720<br>6000                                                                        | 3970<br>8750                                                                        | 2230<br>4920                                                                        | 8.67<br>(28.4) |
| -3.0m<br>(-10ft)  | kg<br>lb | *11700<br>*25790                                                                  | *11700<br>*25790                                                                  | *13020<br>*28700                                                                  | 11990<br>26430                                                                    | *8680<br>*19140                                                                   | 5960<br>13140                                                                     | *6280<br>*13850                                                                   | 3820<br>8420                                                                      |                                                                                    |                                                                                     | *4230<br>*9330                                                                      | 2770<br>6110                                                                        | 7.69<br>(25.2) |
| -4.5m<br>(-15ft)  | kg<br>lb |                                                                                   |                                                                                   | *11040<br>24340                                                                   | *11040<br>*24340                                                                  | *7560<br>*16670                                                                   | 6130<br>13510                                                                     |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *4140<br>*9130                                                                      | *4140<br>*9130                                                                      | 6.09<br>(20.0) |

- 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) R210LC-7H LONG REACH

(1) 8.2m(26' 11") boom, 6.3m(20' 8") arm equipped with 0.51m<sup>3</sup>(SAE heaped) bucket, 800mm (32") triple grouser shoe and 5300kg counterweight.

-  : Rating over-front
-  : Rating over-side or 360 degree

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                 |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
|                   |          | 3.0m(10ft)                                                                        |                                                                                   | 6.0m(20ft)                                                                        |                                                                                   | 9.0m(30ft)                                                                        |                                                                                   | 12.0m(40ft)                                                                       |                                                                                     | Capacity                                                                            |                                                                                     | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  | m(ft)           |
| 9.0m<br>(30ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *830<br>*1830                                                                     | *830<br>*1830                                                                       | *1330<br>*2930                                                                      | *1330<br>*2930                                                                      | 13.11<br>(43.0) |
| 6.0m<br>(20ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1430<br>*3150                                                                    | *1430<br>*3150                                                                      | *1410<br>*3110                                                                      | 1120<br>2470                                                                        | 14.37<br>(47.1) |
| 3.0m<br>(10ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1990<br>*4390                                                                    | *1990<br>*4390                                                                    | *1670<br>*3680                                                                    | 1580<br>3480                                                                        | *1520<br>*3350                                                                      | 940<br>2070                                                                         | 14.89<br>(48.9) |
| Ground<br>Line    | kg<br>lb | *4560<br>*10050                                                                   | *4560<br>*10050                                                                   | *4330<br>*9550                                                                    | *4330<br>*9550                                                                    | *2650<br>*5840                                                                    | 2360<br>5200                                                                      | *1980<br>*4370                                                                    | 1390<br>3060                                                                        | *1670<br>*3680                                                                      | 890<br>1960                                                                         | 14.75<br>(48.4) |
| -3.0m<br>(-10ft)  | kg<br>lb | *5710<br>*12590                                                                   | *5710<br>*12590                                                                   | *5250<br>*11570                                                                   | 3800<br>8380                                                                      | *3150<br>*6940                                                                    | 2070<br>4560                                                                      | *2220<br>*4890                                                                    | 1260<br>2780                                                                        | *1860<br>*4100                                                                      | 980<br>2160                                                                         | 13.92<br>(45.7) |
| -6.0m<br>(-20ft)  | kg<br>lb | *7790<br>*17170                                                                   | *7790<br>*17170                                                                   | *5370<br>*11840                                                                   | 3720<br>8200                                                                      | *3280<br>*7230                                                                    | 1990<br>4390                                                                      |                                                                                   |                                                                                     | *2090<br>*4610                                                                      | 1280<br>2820                                                                        | 12.25<br>(40.2) |
| -9.0m<br>(-30ft)  | kg<br>lb | *8780<br>*19360                                                                   | *8780<br>*19360                                                                   | *4510<br>*9940                                                                    | 4000<br>8820                                                                      | *2620<br>*5780                                                                    | 2190<br>4830                                                                      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                 |

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  3. The load point is a hook located on the back of the bucket.
  4. \*indicates load limited by hydraulic capacity.