# STERLING CRANE 

## LIFTING CHARTS - Crawler Cranes

## DEMAG MODEL CC 1800-1-330 TON CAPACITY

## Working ranges main boom

SH, SH/LH


Lifting capacities main boom
$265 \mathrm{klb}+66 \mathrm{klb} \mathrm{CB} \rightleftharpoons 360^{\circ} \quad$ DIN/ISO

|  | Radius | ft | 59.1 | 78.7 | 98.4 | 118.1 | 137.8 | 157.5 | 177.2 | 196.9 | 216.5 | 236.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ft | 1,000 lb |  |  |  |  |  |  |  |  |  |  |
|  | 16 |  | 637.1 | - | - | - | - | - | - | - | - | - |
|  | 18 |  | 615.1 | - | - | - | - | - | - | - | - | - |
|  | 19 |  | 593.0 | 637.1 | 661.4 | - | - | - | - | - | - | - |
|  | 23 |  | 557.8 | 599.7 | 623.9 | 610.7 | - | - | - | - | - | - |
|  | 26 |  | 526.9 | 560.0 | 560.0 | 560.0 | 529.1 | 445.3 | - | - | - | - |
|  | 29 |  | 454.2 | 454.2 | 451.9 | 451.9 | 449.7 | 440.9 | 366.0 | - | - | - |
|  | 33 |  | 381.4 | 379.2 | 379.2 | 377.0 | 374.8 | 374.8 | 366.0 | 308.6 | 246.9 | - |
|  | 39 |  | 286.6 | 284.4 | 284.4 | 282.2 | 280.0 | 277.8 | 277.8 | 277.8 | 246.9 | 207.2 |
|  | 46 |  | 227.1 | 224.9 | 224.9 | 222.7 | 222.7 | 220.5 | 220.5 | 218.3 | 218.3 | 196.2 |
|  | 52 |  | 189.6 | 187.4 | 185.2 | 183.0 | 183.0 | 180.8 | 180.8 | 178.6 | 178.6 | 176.4 |
|  | 59 |  | 160.9 | 158.7 | 156.5 | 154.3 | 154.3 | 152.1 | 152.1 | 149.9 | 149.9 | 147.7 |
| H | 65 |  | - | 136.7 | 136.7 | 134.5 | 132.3 | 130.1 | 130.1 | 130.1 | 127.9 | 127.9 |
| H | 72 |  | - | 121.3 | 119.0 | 116.8 | 114.6 | 114.6 | 112.4 | 112.4 | 110.2 | 110.2 |
|  | 79 |  | - | - | 105.8 | 103.6 | 101.4 | 99.2 | 99.2 | 99.2 | 97.0 | 97.0 |
|  | 85 |  | - | - | 94.8 | 92.6 | 90.4 | 88.2 | 88.2 | 88.2 | 86.0 | 86.0 |
|  | 92 |  | - | - | 86.0 | 83.8 | 81.6 | 79.4 | 79.4 | 77.2 | 77.2 | 75.0 |
|  | 98 |  | - | - | - | 75.0 | 72.8 | 72.8 | 70.5 | 70.5 | 68.3 | 68.3 |
|  | 111 |  | - | - | - | - | 61.7 | 59.5 | 59.5 | 57.3 | 57.3 | 55.1 |
|  | 124 |  | - | - | - | - | 52.9 | 50.7 | 48.5 | 48.5 | 46.3 | 46.3 |
|  | 138 |  | - | - | - | - | - | 41.9 | 41.9 | 39.7 | 39.7 | 37.5 |
|  | 151 |  | - | - | - | - | - | - | 35.3 | 33.1 | 33.1 | 30.9 |
|  | 164 |  | - | - | - | - | - | - | - | 28.7 | 26.5 | 24.3 |
|  | 177 |  | - | - | - | - | - | - | - | 24.3 | 22.0 | 19.8 |
|  | 190 |  | - | - | - | - | - | - | - | - | 19.8 | 17.6 |
|  | 203 |  | - | - | - | - | - | - | - | - | - | 13.2 |

Lifting capacities main boom
198 klb + 66 klb CB


DIN/ISO
Main boom


198 klb

23.8 ft
$360^{\circ}$
DIN/ISO
Main boom

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Radius | ft | 59.1 | 78.7 | 98.4 | 118.1 | 137.8 | 157.5 | 177.2 | 196.9 | 216.5 | 236.2 |
|  | ft |  |  |  |  |  | 0 lb |  |  |  |  |  |
|  | 16 |  | 513.7 | - | - | - | - | - | - | - | - | - |
|  | 18 |  | 496.0 | - | - | - | - | - | - | - | - | - |
|  | 19 |  | 480.6 | 526.9 | 549.0 | - | - | - | - | - | - | - |
|  | 23 |  | 456.4 | 498.2 | 522.5 | 544.5 | - | - | - | - | - | - |
|  | 26 |  | 418.9 | 416.7 | 416.7 | 414.5 | 414.5 | 412.3 | - | - | - | - |
|  | 29 |  | 337.3 | 335.1 | 335.1 | 332.9 | 332.9 | 330.7 | 330.7 | - | - | - |
|  | 33 |  | 282.2 | 280.0 | 280.0 | 277.8 | 277.8 | 275.6 | 275.6 | 275.6 | 246.9 | - |
|  | 39 |  | 211.6 | 209.4 | 207.2 | 207.2 | 205.0 | 202.8 | 202.8 | 202.8 | 202.8 | 200.6 |
|  | 46 |  | 167.6 | 165.3 | 165.3 | 163.1 | 160.9 | 158.7 | 158.7 | 158.7 | 158.7 | 156.5 |
|  | 52 |  | 138.9 | 136.7 | 134.5 | 132.3 | 130.1 | 130.1 | 130.1 | 127.9 | 127.9 | 125.7 |
|  | 59 |  | 116.8 | 114.6 | 112.4 | 110.2 | 110.2 | 108.0 | 108.0 | 105.8 | 105.8 | 105.8 |
| SH | 65 |  | - | 99.2 | 97.0 | 94.8 | 92.6 | 92.6 | 90.4 | 90.4 | 90.4 | 88.2 |
| SH | 72 |  | - | 86.0 | 83.8 | 81.6 | 81.6 | 79.4 | 79.4 | 77.2 | 77.2 | 75.0 |
|  | 79 |  | - | - | 75.0 | 72.8 | 70.5 | 68.3 | 68.3 | 68.3 | 66.1 | 66.1 |
|  | 85 |  | - | - | 66.1 | 63.9 | 61.7 | 61.7 | 59.5 | 59.5 | 57.3 | 57.3 |
|  | 92 |  | - | - | 59.5 | 57.3 | 55.1 | 52.9 | 52.9 | 52.9 | 50.7 | 50.7 |
|  | 98 |  | - | - | - | 50.7 | 50.7 | 48.5 | 46.3 | 46.3 | 46.3 | 44.1 |
|  | 111 |  | - | - | - | - | 39.7 | 39.7 | 37.5 | 37.5 | 35.3 | 33.1 |
|  | 124 |  | - | - | - | - | 33.1 | 30.9 | 30.9 | 28.7 | 26.5 | 26.5 |
|  | 138 |  | - | - | - | - | - | 26.5 | 24.3 | 22.0 | 22.0 | 19.8 |
|  | 151 |  | - | - | - | - | - | - | 19.8 | 17.6 | 17.6 | 15.4 |
|  | 164 |  | - | - | - | - | - | - | - | 13.2 | 13.2 | 11.0 |
|  | 177 |  | - | - | - | - | - | - | - | 11.0 | 8.8 | 6.6 |
|  | 190 |  | - | - | - | - | - | - | - | - | 6.6 | - |
|  | 203 |  | - | - | - | - | - | - | - | - | - | - |

Lifting capacities main boom
265 klb + 66 klb CB
$\square$ ———— 23.8 ft
Main boom


Lifting capacities main boom
198 klb + 66 klb CB


Main boom

|  | Radius |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ft | 137.8 | 157.5 | 177.2 | 196.9 | 216.5 | 236.2 | 255.9 | 275.6 | 295.3 | 315.0 |
|  | ft |  |  |  |  |  | 0 lb |  |  |  |  |  |
|  | 23 |  | 330.7 | - | - | - | - | - | - | - | - | - |
|  | 26 |  | 330.7 | 330.7 | - | - | - | - | - | - | - | - |
|  | 29 |  | 330.7 | 330.7 | 319.7 | 286.6 | - | - | - | - | - | - |
|  | 33 |  | 308.6 | 308.6 | 308.6 | 277.8 | 240.3 | - | - | - | - | - |
|  | 39 |  | 229.3 | 229.3 | 229.3 | 229.3 | 222.7 | 198.4 | 167.6 | 152.1 | 132.3 | - |
|  | 46 |  | 180.8 | 180.8 | 180.8 | 180.8 | 180.8 | 178.6 | 158.7 | 147.7 | 125.7 | 108.5 |
|  | 52 |  | 149.9 | 147.7 | 149.9 | 147.7 | 147.7 | 145.5 | 145.5 | 143.3 | 121.3 | 105.8 |
|  | 59 |  | 125.7 | 125.7 | 125.7 | 125.7 | 123.5 | 121.3 | 121.3 | 121.3 | 119.0 | 101.4 |
|  | 65 |  | 108.0 | 108.0 | 108.0 | 105.8 | 105.8 | 103.6 | 103.6 | 103.6 | 103.6 | 99.2 |
|  | 72 |  | 94.8 | 92.6 | 92.6 | 92.6 | 92.6 | 90.4 | 90.4 | 90.4 | 88.2 | 86.0 |
|  | 79 |  | 83.8 | 81.6 | 81.6 | 81.6 | 81.6 | 79.4 | 79.4 | 77.2 | 77.2 | 75.0 |
| SH / LH | 85 |  | 72.8 | 72.8 | 72.8 | 72.8 | 70.5 | 70.5 | 70.5 | 68.3 | 68.3 | 66.1 |
|  | 92 |  | 66.1 | 66.1 | 66.1 | 63.9 | 63.9 | 61.7 | 61.7 | 61.7 | 61.7 | 59.5 |
|  | 98 |  | 59.5 | 59.5 | 59.5 | 57.3 | 57.3 | 55.1 | 55.1 | 55.1 | 55.1 | 52.9 |
|  | 111 |  | 50.7 | 48.5 | 48.5 | 48.5 | 46.3 | 44.1 | 44.1 | 44.1 | 44.1 | 41.9 |
|  | 124 |  | 41.9 | 41.9 | 39.7 | 39.7 | 39.7 | 37.5 | 37.5 | 35.3 | 35.3 | 33.1 |
|  | 138 |  | - | 35.3 | 35.3 | 33.1 | 33.1 | 30.9 | 30.9 | 28.7 | 28.7 | 26.5 |
|  | 151 |  | - |  | 28.7 | 28.7 | 26.5 | 24.3 | 24.3 | 24.3 | 22.0 | 22.0 |
|  | 164 |  | - | - | - | 24.3 | 22.0 | 19.8 | 19.8 | 19.8 | 17.6 | 17.6 |
|  | 177 |  | - | - | - | 19.8 | 19.8 | 17.6 | 15.4 | 15.4 | 15.4 | 13.2 |
|  | 190 |  | - | - | - | - | 15.4 | 13.2 | 13.2 | 11.0 | 11.0 | 8.8 |
|  | 203 |  | - | - | - | - | - | 11.0 | 11.0 | 8.8 | 8.8 | 6.6 |
|  | 216 |  | - | - | - | - | - | - | 8.8 | 6.6 | 6.6 | - |

198 klb $\square$ 23.8 ft $360^{\circ}$

DIN/ISO
Main boom

|  | Radius | ft | 137.8 | 157.5 | 177.2 | 196.9 | 216.5 | 236.2 | 255.9 | 275.6 | 295.3 | 315.0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ft | 1,000 lb |  |  |  |  |  |  |  |  |  |  |
|  | 23 |  | 330.7 | - | - | - | - | - | - | - | - | - |
|  | 26 |  | 330.7 | 330.7 | - | - | - | - | - | - | - | - |
|  | 29 |  | 330.7 | 330.7 | 319.7 | 286.6 | - | - | - | - | - | - |
|  | 33 |  | 280.0 | 280.0 | 280.0 | 277.8 | 240.3 | - | - | - | - | - |
|  | 39 |  | 209.4 | 207.2 | 209.4 | 207.2 | 207.2 | 198.4 | 167.6 | 152.1 | 132.3 | - |
|  | 46 |  | 165.3 | 163.1 | 165.3 | 163.1 | 163.1 | 160.9 | 158.7 | 147.7 | 125.7 | 108.0 |
|  | 52 |  | 134.5 | 134.5 | 134.5 | 134.5 | 132.3 | 132.3 | 132.3 | 130.1 | 121.3 | 105.8 |
|  | 59 |  | 112.4 | 112.4 | 112.4 | 112.4 | 110.2 | 110.2 | 110.2 | 108.0 | 108.0 | 101.4 |
|  | 65 |  | 97.0 | 97.0 | 97.0 | 94.8 | 94.8 | 92.6 | 92.6 | 92.6 | 92.6 | 88.2 |
|  | 72 |  | 83.8 | 83.8 | 83.8 | 83.8 | 81.6 | 81.6 | 79.4 | 79.4 | 79.4 | 75.0 |
|  | 79 |  | 75.0 | 72.8 | 72.8 | 72.8 | 72.8 | 70.5 | 70.5 | 68.3 | 68.3 | 66.1 |
| SH / LH | 85 |  | 66.1 | 63.9 | 66.1 | 63.9 | 63.9 | 61.7 | 61.7 | 61.7 | 59.5 | 57.3 |
| SH / LH | 92 |  | 59.5 | 57.3 | 57.3 | 57.3 | 57.3 | 55.1 | 55.1 | 52.9 | 52.9 | 50.7 |
|  | 98 |  | 52.9 | 52.9 | 52.9 | 50.7 | 50.7 | 48.5 | 48.5 | 48.5 | 46.3 | 44.1 |
|  | 111 |  | 44.1 | 41.9 | 41.9 | 41.9 | 41.9 | 39.7 | 39.7 | 37.5 | 37.5 | 35.3 |
|  | 124 |  | 37.5 | 35.3 | 35.3 | 35.3 | 33.1 | 30.9 | 30.9 | 30.9 | 28.7 | 28.7 |
|  | 138 |  | - | 30.9 | 30.9 | 28.7 | 26.5 | 24.3 | 24.3 | 24.3 | 24.3 | 22.0 |
|  | 151 |  | - | - | 24.3 | 24.3 | 22.0 | 19.8 | 19.8 | 19.8 | 17.6 | 17.6 |
|  | 164 |  | - | - | - | 19.8 | 17.6 | 15.4 | 15.4 | 15.4 | 13.2 | 13.2 |
|  | 177 |  | - | - | - | 17.6 | 15.4 | 13.2 | 13.2 | 11.0 | 11.0 | 8.8 |
|  | 190 |  | - | - | - | - | 13.2 | 11.0 | 8.8 | 8.8 | 8.8 | 6.6 |
|  | 203 |  | - | - | - | - | - | 8.8 | 6.6 | 6.6 | - | - |
|  | 216 |  | - | - | - | - | - | - | - | - | - | - |

