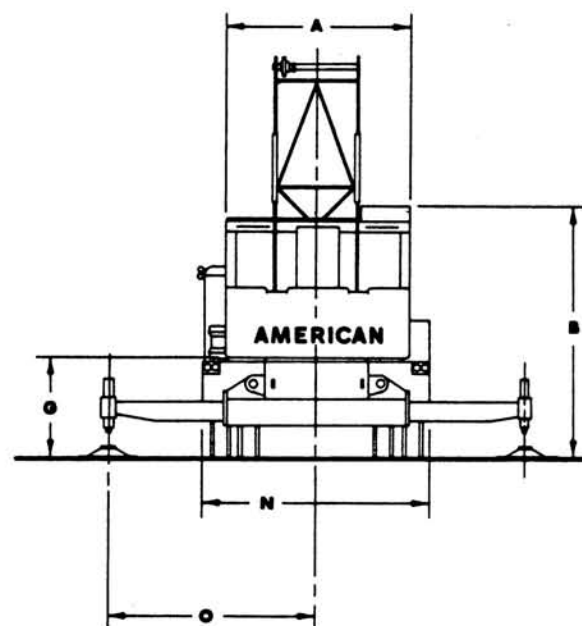
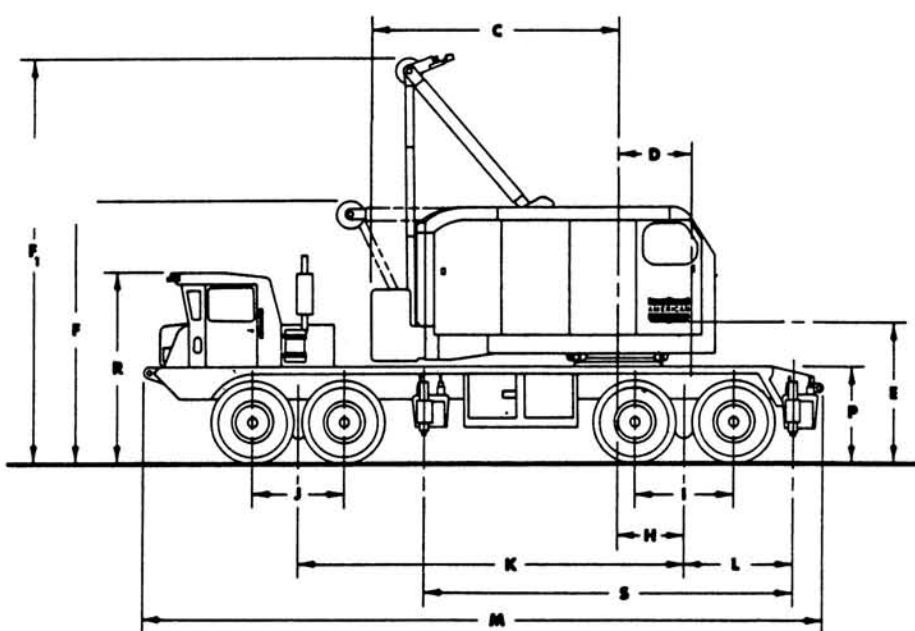




# 7530



# CARRIER SPECIFICATIONS



## GENERAL DIMENSIONS

|                                                             |         |                                                                       |        |
|-------------------------------------------------------------|---------|-----------------------------------------------------------------------|--------|
| A. Width of cab.....                                        | 10'6"   | K. Centerline of rear bogie to centerline of front bogie .....        | 19'10" |
| B. Height to top of cab .....                               | 12'11¼" | L. Centerline of rear bogie to centerline of rear outrigger.....      | 6'5½"  |
| C. Tail Swing.....                                          | 14'1½"  | M. Overall length.....                                                | 35'8"  |
| D. Centerline of rotation to centerline of boom foot .....  | 4'1½"   | N. Overall width.....                                                 | 11'0"  |
| E. Ground to centerline boom foot.....                      | 6'9¼"   | O. Outriggers extended w/hydraulic outriggers.....                    | 11'0"  |
| F. Height over A-Frame (lowered).....                       | 13'5"   | P. Height over mounting plate.....                                    | 4'5"   |
| G. Height over A-Frame (raised).....                        | 21'9½"  | R. Height over carrier cab .....                                      | 9'3"   |
| H. Ground to bottom of counterweight .....                  | 5'2"    | S. Centerline of rear outrigger to centerline of front outrigger..... | 20'4½" |
| I. Centerline of rotation to centerline of rear bogie ..... | 3'6"    | Turning radius.....                                                   | 66'-0" |
| I. Distance between rear axles .....                        | 5'4"    | Clearance (under rear equalizing beam).....                           | 7¾"    |
| J. Distance between front axles .....                       | 5'0"    | Clearance (under rear differential).....                              | 15¼"   |

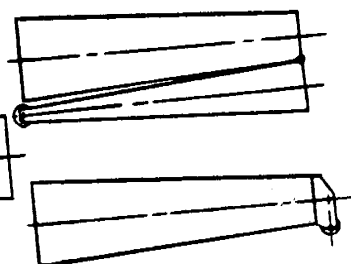
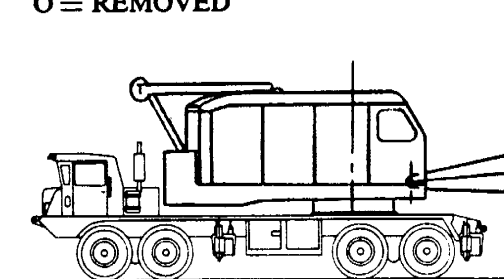
**FORM NO. 7530-TCC-2**



# 7530 TRAVELING WEIGHTS

## IN POUNDS

X = IN PLACE  
O = REMOVED



TAPERED TIP  
BOOM FOLDED

HAMMERHEAD TIP

**Boom Rearward**

| TAPER TIP FOLDED                                  | BLOCK | OUTER BOOM HAMMERHEAD | INNER BOOM | COUNTERWT. | FRONT OUTRIGGER | REAR OUTRIGGER | FRONT TANDEM | REAR TANDEM | GROSS WEIGHTS |
|---------------------------------------------------|-------|-----------------------|------------|------------|-----------------|----------------|--------------|-------------|---------------|
| O                                                 | X     | X                     | X          | X          | X               | X              | 58,630       | 101,680     | 160,310       |
| O                                                 | O     | X                     | X          | X          | X               | X              | 63,620       | 94,250      | 157,870       |
| X                                                 | O     | O                     | X          | X          | X               | X              | 64,090       | 94,530      | 158,620       |
| O                                                 | X     | X                     | X          | O          | X               | X              | 30,880       | 95,430      | 126,310       |
| O                                                 | O     | X                     | X          | O          | X               | X              | 35,870       | 88,000      | 123,870       |
| X                                                 | O     | O                     | X          | O          | X               | X              | 36,340       | 88,280      | 124,620       |
| O                                                 | X     | X                     | X          | O          | O               | X              | 25,670       | 93,040      | 118,710       |
| O                                                 | O     | X                     | X          | O          | O               | X              | 30,660       | 85,600      | 116,260       |
| X                                                 | O     | O                     | X          | O          | O               | X              | 31,130       | 85,880      | 117,010       |
| O                                                 | X     | X                     | X          | O          | X               | O              | 33,330       | 85,370      | 118,700       |
| O                                                 | O     | X                     | X          | O          | X               | O              | 38,320       | 77,940      | 116,260       |
| X                                                 | O     | O                     | X          | O          | X               | O              | 38,800       | 78,220      | 117,020       |
| O                                                 | X     | X                     | X          | O          | O               | O              | 28,120       | 82,980      | 111,100       |
| O                                                 | O     | X                     | X          | O          | O               | O              | 33,110       | 75,540      | 108,650       |
| X                                                 | O     | O                     | X          | O          | O               | O              | 33,590       | 75,820      | 109,410       |
| O                                                 | O     | O                     | X          | X          | X               | X              | 70,440       | 83,740      | 154,180       |
| O                                                 | O     | O                     | X          | O          | X               | X              | 42,690       | 77,480      | 120,170       |
| O                                                 | O     | O                     | X          | O          | O               | X              | 37,480       | 75,090      | 112,570       |
| O                                                 | O     | O                     | X          | O          | X               | O              | 45,150       | 67,430      | 112,580       |
| O                                                 | O     | O                     | X          | O          | O               | O              | 39,940       | 65,030      | 104,970       |
| O                                                 | O     | O                     | O          | X          | X               | X              | 71,430       | 80,200      | 151,630       |
| O                                                 | O     | O                     | O          | O          | X               | X              | 43,680       | 73,950      | 117,630       |
| O                                                 | O     | O                     | O          | O          | O               | X              | 38,470       | 71,550      | 110,020       |
| O                                                 | O     | O                     | O          | O          | X               | O              | 46,130       | 63,890      | 110,020       |
| O                                                 | O     | O                     | O          | O          | O               | O              | 40,920       | 61,490      | 102,420       |
| Carrier with bullgear and outriggers — less upper |       |                       |            |            |                 |                | 25,970       | 39,750      | 65,720        |

NOTE: Because of variable manufacturing tolerances a variance of  $\pm 3\%$  should be allowed on the above weights.

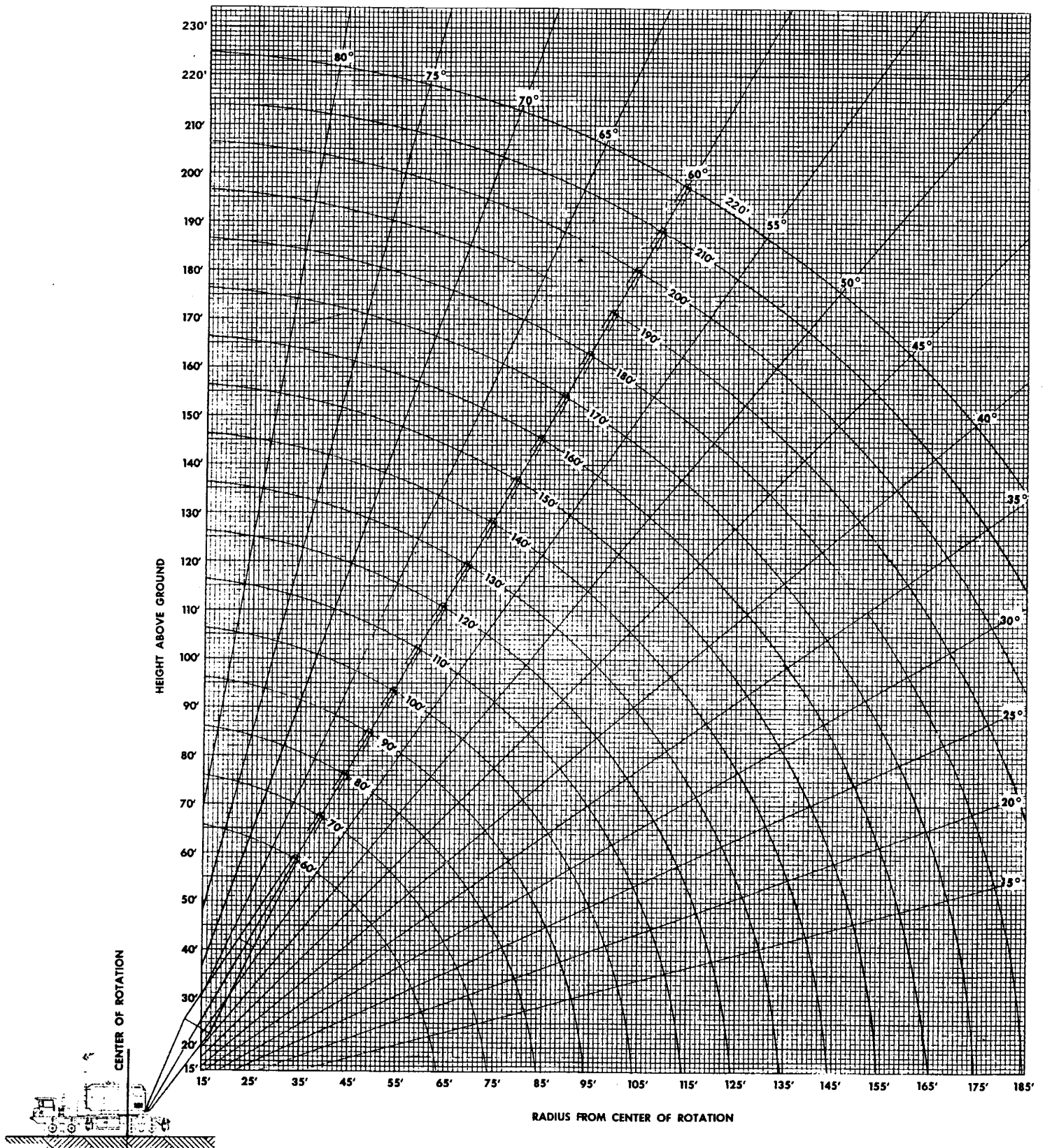
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# BOOM ANGLE DIAGRAM



## AMERICAN MODEL 7530 TRUCK CRANE WORKING RANGES



# 700 SERIES MODEL 7530

## TRUCK CRANE

### LIFT RATINGS

With 59H Tubular Hammerhead Boom and "K-F-L-M" Counterweight (34,000 lbs.)

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From<br>Boom<br>Pt. to<br>Ground | Min.<br>Load<br>Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|--------------------------------------|----------------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                                      |                      |
| 40 feet                | 11                | 82.8                  | —               | 91090     | 250000         | 250000    | 47                                   | 10                   |
|                        | 12                | 81.3                  | —               | 87730     | 250000         | 250000    | 47                                   | 10                   |
|                        | 15                | 77.0                  | —               | 78920     | 205060         | 205060    | 46                                   | 8                    |
|                        | 20                | 69.6                  | —               | 67160     | 145190         | 145190    | 45                                   | 6                    |
|                        | 25                | 61.7                  | 31390           | 50680     | 111910         | 111910    | 43                                   | 5                    |
|                        | 30                | 53.1                  | 26050           | 40390     | 90710          | 90710     | 39                                   | 4                    |
|                        | 35                | 43.3                  | 22060           | 33350     | 73810          | 74420     | 35                                   | 3                    |
|                        | 40                | 30.9                  | 18960           | 28220     | 60380          | 61380     | 28                                   | 3                    |
| 50 feet                | 13                | 81.9                  | —               | 84120     | 238730         | 238730    | 57                                   | 10                   |
|                        | 15                | 79.6                  | —               | 78460     | 205030         | 205030    | 57                                   | 8                    |
|                        | 20                | 73.8                  | —               | 67040     | 145120         | 145120    | 55                                   | 6                    |
|                        | 25                | 67.7                  | 31160           | 50630     | 111830         | 111830    | 54                                   | 5                    |
|                        | 30                | 61.3                  | 25840           | 40330     | 90630          | 90630     | 51                                   | 4                    |
|                        | 35                | 54.5                  | 21880           | 33300     | 73910          | 74490     | 48                                   | 3                    |
|                        | 40                | 47.0                  | 18810           | 28170     | 60470          | 61440     | 44                                   | 3                    |
|                        | 50                | 27.4                  | 14330           | 21180     | 43860          | 45050     | 30                                   | 2                    |
| 60 feet                | 14                | 82.3                  | —               | 80690     | 221500         | 221500    | 67                                   | 9                    |
|                        | 15                | 81.3                  | —               | 77970     | 204910         | 204910    | 67                                   | 8                    |
|                        | 20                | 76.5                  | 38380           | 66580     | 144970         | 144970    | 66                                   | 6                    |
|                        | 25                | 71.6                  | 30860           | 50500     | 111670         | 111670    | 64                                   | 5                    |
|                        | 30                | 66.5                  | 25560           | 40200     | 90460          | 90460     | 62                                   | 4                    |
|                        | 35                | 61.1                  | 21610           | 33160     | 73920          | 74480     | 60                                   | 3                    |
|                        | 40                | 55.5                  | 18560           | 28040     | 60450          | 61410     | 57                                   | 3                    |
|                        | 50                | 42.6                  | 14120           | 21070     | 43850          | 45010     | 48                                   | 2                    |
| 70 feet                | 15                | 82.6                  | —               | 77450     | 204750         | 204750    | 77                                   | 8                    |
|                        | 20                | 78.5                  | 38040           | 66100     | 144780         | 144780    | 76                                   | 6                    |
|                        | 25                | 74.3                  | 30540           | 50340     | 111460         | 111460    | 75                                   | 5                    |
|                        | 30                | 70.0                  | 25240           | 40030     | 90250          | 90250     | 73                                   | 4                    |
|                        | 35                | 65.6                  | 21310           | 32990     | 73880          | 74410     | 71                                   | 3                    |
|                        | 40                | 61.0                  | 18270           | 27870     | 60390          | 61320     | 69                                   | 3                    |
|                        | 50                | 51.0                  | 13850           | 20910     | 43760          | 44920     | 62                                   | 2                    |
|                        | 60                | 39.3                  | 10800           | 16380     | 33890          | 35030     | 52                                   | 2                    |
| 80 feet                | 16                | 82.8                  | —               | 74460     | 189050         | 189050    | 87                                   | 8                    |
|                        | 20                | 79.9                  | 37730           | 65680     | 144600         | 144600    | 86                                   | 6                    |
|                        | 25                | 76.3                  | 30240           | 50190     | 111270         | 111270    | 85                                   | 5                    |
|                        | 30                | 72.6                  | 24960           | 39870     | 90050          | 90050     | 84                                   | 4                    |
|                        | 35                | 68.8                  | 21030           | 32830     | 73830          | 74340     | 82                                   | 3                    |
|                        | 40                | 64.9                  | 18000           | 27700     | 60320          | 61240     | 80                                   | 3                    |
|                        | 50                | 56.6                  | 13600           | 20750     | 43670          | 44810     | 74                                   | 2                    |
|                        | 60                | 47.5                  | 10560           | 16230     | 33790          | 34920     | 66                                   | 2                    |
| 90 feet                | 17                | 83.0                  | 43570           | 71550     | 175420         | 175420    | 97                                   | 7                    |
|                        | 20                | 81.0                  | 37360           | 65180     | 144370         | 144370    | 96                                   | 6                    |
|                        | 25                | 77.8                  | 29880           | 49990     | 111020         | 111020    | 95                                   | 5                    |
|                        | 30                | 74.5                  | 24610           | 39670     | 89790          | 89790     | 94                                   | 4                    |
|                        | 35                | 71.2                  | 20690           | 32610     | 73740          | 74230     | 93                                   | 3                    |
|                        | 40                | 67.8                  | 17660           | 27490     | 60200          | 61100     | 91                                   | 3                    |
|                        | 50                | 60.7                  | 13280           | 20530     | 43520          | 44660     | 86                                   | 2                    |
|                        | 60                | 53.1                  | 10260           | 16020     | 33630          | 34750     | 79                                   | 2                    |
| 100 feet               | 19                | 82.5                  | 38860           | 66670     | 153230         | 153230    | 107                                  | 6                    |
|                        | 20                | 81.9                  | 36970           | 64670     | 144120         | 144120    | 107                                  | 6                    |
|                        | 25                | 79.0                  | 29500           | 49780     | 110760         | 110760    | 106                                  | 5                    |
|                        | 30                | 76.1                  | 24240           | 39450     | 89520          | 89520     | 105                                  | 4                    |
|                        | 35                | 73.2                  | 20330           | 32390     | 73640          | 74100     | 103                                  | 3                    |

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From<br>Boom<br>Pt. to<br>Ground | Min.<br>Load<br>Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|--------------------------------------|----------------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                                      |                      |
| 100 feet cont.         | 40                | 70.1                  | 17310           | 27260     | 60070          | 60950     | 102                                  | 3                    |
|                        | 50                | 63.9                  | 12940           | 20300     | 43360          | 44480     | 97                                   | 2                    |
|                        | 60                | 57.3                  | 9920            | 15790     | 33460          | 34570     | 92                                   | 2                    |
|                        | 70                | 50.2                  | 7710            | 12620     | 26900          | 27940     | 84                                   | 2                    |
|                        | 80                | 42.1                  | 6020            | 10270     | 22220          | 23190     | 74                                   | 1                    |
|                        | 90                | 32.5                  | 4660            | 8440      | 18710          | 19610     | 61                                   | 1                    |
|                        | 100               | 18.9                  | 3540            | 6970      | 15970          | 16800     | 39                                   | 1                    |
| 110 feet               | 20                | 82.7                  | 36580           | 64160     | 143870         | 143870    | 117                                  | 6                    |
|                        | 25                | 80.0                  | 29120           | 49560     | 110490         | 110490    | 116                                  | 5                    |
|                        | 30                | 77.4                  | 23870           | 39220     | 89240          | 89240     | 115                                  | 4                    |
|                        | 35                | 74.7                  | 19960           | 32150     | 73520          | 73960     | 114                                  | 3                    |
|                        | 40                | 72.0                  | 16950           | 27020     | 59930          | 60800     | 112                                  | 3                    |
|                        | 50                | 66.4                  | 12590           | 20060     | 43190          | 44300     | 108                                  | 2                    |
|                        | 60                | 60.6                  | 9580            | 15540     | 33270          | 34370     | 103                                  | 2                    |
|                        | 70                | 54.4                  | 7380            | 12380     | 26700          | 27740     | 97                                   | 2                    |
|                        | 80                | 47.7                  | 5690            | 10030     | 22020          | 22990     | 89                                   | 1                    |
|                        | 90                | 40.1                  | 4350            | 8210      | 18520          | 19410     | 78                                   | 1                    |
|                        | 100               | 31.0                  | 3260            | 6760      | 15790          | 16610     | 64                                   | 1                    |
|                        | 110               | 18.0                  | 2330            | 5560      | 13580          | 14350     | 41                                   | 1                    |
| 120 feet               | 21                | 82.8                  | 34500           | 61830     | 135520         | 135520    | 127                                  | 6                    |
|                        | 25                | 80.9                  | 28780           | 49370     | 110240         | 110240    | 126                                  | 5                    |
|                        | 30                | 78.5                  | 23530           | 39010     | 88980          | 88980     | 125                                  | 4                    |
|                        | 35                | 76.0                  | 19630           | 31940     | 73410          | 73830     | 124                                  | 3                    |
|                        | 40                | 73.5                  | 16620           | 26800     | 59790          | 60640     | 123                                  | 3                    |
|                        | 50                | 68.5                  | 12270           | 19830     | 43030          | 44120     | 119                                  | 2                    |
|                        | 60                | 63.3                  | 9270            | 15320     | 33090          | 34190     | 115                                  | 2                    |
|                        | 70                | 57.8                  | 7080            | 12150     | 26520          | 27550     | 109                                  | 2                    |
|                        | 80                | 51.9                  | 5400            | 9810      | 21830          | 22790     | 102                                  | 1                    |
|                        | 90                | 45.5                  | 4060            | 8000      | 18330          | 19220     | 93                                   | 1                    |
|                        | 100               | 38.3                  | 2980            | 6550      | 15600          | 16420     | 82                                   | 1                    |
|                        | 110               | 29.6                  | 2070            | 5360      | 13410          | 14180     | 66                                   | 1                    |
| 130 feet               | 22                | 82.9                  | 32520           | 58060     | 127970         | 127970    | 137                                  | 5                    |
|                        | 25                | 81.6                  | 28400           | 49150     | 109970         | 109970    | 136                                  | 5                    |
|                        | 30                | 79.4                  | 23150           | 38780     | 88700          | 88700     | 135                                  | 4                    |
|                        | 35                | 77.1                  | 19260           | 31700     | 73280          | 73690     | 134                                  | 3                    |
|                        | 40                | 74.8                  | 16250           | 26560     | 59640          | 60480     | 133                                  | 3                    |
|                        | 50                | 70.2                  | 11910           | 19580     | 42850          | 43930     | 130                                  | 2                    |
|                        | 60                | 65.5                  | 8920            | 15070     | 32890          | 33980     | 126                                  | 2                    |
|                        | 70                | 60.5                  | 6730            | 11900     | 26310          | 27330     | 121                                  | 2                    |
|                        | 80                | 55.3                  | 5060            | 9560      | 21620          | 22570     | 114                                  | 1                    |
|                        | 90                | 49.7                  | 3730            | 7750      | 18110          | 18990     | 107                                  | 1                    |
|                        | 100               | 43.6                  | 2650            | 6300      | 15380          | 16200     | 97                                   | 1                    |
|                        | 110               | 36.7                  | 1750            | 5120      | 13200          | 13960     | 85                                   | 1                    |
| 140 feet               | 24                | 82.6                  | —               | —         | 111160         | 111160    | 146                                  | 5                    |
|                        | 25                | 82.2                  | —               | —         | 109690         | 109690    | 146                                  | 5                    |
|                        | 30                | 80.1                  | —               | —         | 88400          | 88400     | 145                                  | 4                    |
|                        | 35                | 78.0                  | —               | —         | 73160          | 73540     | 144                                  | 3                    |
|                        | 40                | 75.9                  | —               | —         | 59490          | 60300     | 143                                  | 3                    |
|                        | 50                | 71.7                  | —               | —         | 42660          | 43730     | 140                                  | 2                    |
|                        | 60                | 67.3                  | —               | —         | 32690          | 33770     | 137                                  | 2                    |
|                        | 70                | 62.8                  | —               | —         | 26090          | 27110     | 132                                  | 2                    |
|                        | 80                | 58.1                  | —               | —         | 21400          | 22350     | 126                                  | 1                    |
|                        | 90                | 53.1                  | —               | —         | 17890          | 18760     | 119                                  | 1                    |
|                        | 100               | 47.8                  | —               | —         | 15160          | 15970     | 111                                  | 1                    |
|                        | 110               | 41.9                  | —               | —         | 12970          | 13730     | 101                                  | 1                    |
| 150 feet               | 120               | 35.3                  | —               | —         | 11180          | 11880     | 88                                   | 1                    |
|                        | 130               | 27.3                  | —               | —         | 9680           | 10340     | 71                                   | 1                    |
|                        | 140               | 15.9                  | —               | —         | 8390           | 9010      | 45                                   | 1                    |

(Continued)





# LIFT RATINGS (cont.)

With 59H Tubular Hammerhead Boom

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 150 feet               | 25                | 82.7                  | —               | —         | 96520          | 96520     | 156                         | 4              |
|                        | 30                | 80.8                  | —               | —         | 88110          | 88110     | 156                         | 4              |
|                        | 35                | 78.8                  | —               | —         | 73020          | 73360     | 155                         | 3              |
|                        | 40                | 76.9                  | —               | —         | 59330          | 60130     | 154                         | 3              |
|                        | 50                | 72.9                  | —               | —         | 42470          | 43530     | 151                         | 2              |
|                        | 60                | 68.9                  | —               | —         | 32480          | 33550     | 147                         | 2              |
|                        | 70                | 64.8                  | —               | —         | 25870          | 26880     | 143                         | 2              |
|                        | 80                | 60.4                  | —               | —         | 21170          | 22110     | 138                         | 1              |
|                        | 90                | 55.9                  | —               | —         | 17660          | 18530     | 132                         | 1              |
|                        | 100               | 51.2                  | —               | —         | 14920          | 15730     | 124                         | 1              |
|                        | 110               | 46.1                  | —               | —         | 12740          | 13490     | 115                         | 1              |
|                        | 120               | 40.4                  | —               | —         | 10950          | 11650     | 105                         | 1              |
|                        | 130               | 34.1                  | —               | —         | 9450           | 10110     | 91                          | 1              |
|                        | 140               | 26.3                  | —               | —         | 8170           | 8790      | 74                          | 1              |
|                        | 150               | 15.3                  | —               | —         | 7070           | 7650      | 47                          | 1              |

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 160 feet               | 26                | 82.8                  | —               | —         | 85260          | 85260     | 166                         | 4              |
|                        | 30                | 81.4                  | —               | —         | 85260          | 85260     | 166                         | 4              |
|                        | 35                | 79.6                  | —               | —         | 72930          | 73110     | 165                         | 3              |
|                        | 40                | 77.7                  | —               | —         | 59210          | 59990     | 164                         | 3              |
|                        | 50                | 74.0                  | —               | —         | 42310          | 43360     | 161                         | 2              |
|                        | 60                | 70.3                  | —               | —         | 32300          | 33360     | 158                         | 2              |
|                        | 70                | 66.4                  | —               | —         | 25680          | 26680     | 154                         | 2              |
|                        | 80                | 62.5                  | —               | —         | 20970          | 21900     | 149                         | 1              |
|                        | 90                | 58.3                  | —               | —         | 17450          | 18310     | 144                         | 1              |
|                        | 100               | 54.0                  | —               | —         | 14710          | 15510     | 137                         | 1              |
|                        | 110               | 49.4                  | —               | —         | 12520          | 13270     | 129                         | 1              |
|                        | 120               | 44.5                  | —               | —         | 10730          | 11430     | 119                         | 1              |
|                        | 130               | 39.1                  | —               | —         | 9230           | 9890      | 108                         | 1              |
|                        | 140               | 32.9                  | —               | —         | 7960           | 8580      | 94                          | 1              |
|                        | 150               | 25.5                  | —               | —         | 6870           | 7440      | 76                          | 1              |
|                        | 160               | 14.8                  | —               | —         | 5900           | 6450      | 48                          | 1              |

7530.07

# LIFT RATINGS

With 59H Tubular Tapered Tip Boom and "K-F-L-M" Counterweight (34,000 lbs.)

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 60 feet                | 14                | 80.5                  | —               | 81560     | 153940         | 153940    | 66                          | 6              |
|                        | 15                | 79.6                  | —               | 78850     | 153940         | 153940    | 66                          | 6              |
|                        | 20                | 74.7                  | —               | 67510     | 143150         | 143150    | 65                          | 6              |
|                        | 25                | 69.6                  | 31740           | 51150     | 112350         | 112350    | 63                          | 5              |
|                        | 30                | 64.5                  | 26500           | 40930     | 91250          | 91250     | 61                          | 4              |
|                        | 35                | 59.0                  | 22590           | 33940     | 74650          | 75210     | 58                          | 3              |
|                        | 40                | 53.3                  | 19580           | 28860     | 61240          | 62200     | 55                          | 3              |
|                        | 50                | 40.1                  | 15210           | 21960     | 44720          | 45890     | 45                          | 2              |
|                        | 60                | 21.4                  | 12180           | 17480     | 34910          | 36060     | 29                          | 2              |
|                        | 70                | 19.8                  | 9680            | 14140     | 28270          | 29340     | 30                          | 2              |
| 70 feet                | 16                | 80.2                  | —               | 75780     | 153940         | 153940    | 76                          | 6              |
|                        | 20                | 76.9                  | —               | 67010     | 143150         | 143150    | 75                          | 6              |
|                        | 25                | 72.6                  | 31390           | 50960     | 112090         | 112090    | 74                          | 5              |
|                        | 30                | 68.3                  | 26150           | 40730     | 90990          | 90990     | 72                          | 4              |
|                        | 35                | 63.8                  | 22260           | 33740     | 74570          | 75110     | 70                          | 3              |
|                        | 40                | 59.2                  | 19260           | 28660     | 61140          | 62080     | 67                          | 3              |
|                        | 50                | 49.1                  | 14900           | 21760     | 44590          | 45750     | 60                          | 2              |
|                        | 60                | 37.0                  | 11900           | 17290     | 34780          | 35920     | 49                          | 2              |
|                        | 70                | 19.8                  | 9680            | 14140     | 28270          | 29340     | 30                          | 2              |
|                        | 80                | 18.5                  | 7680            | 11590     | 23460          | 24440     | 32                          | 1              |
| 80 feet                | 17                | 80.7                  | —               | 72850     | 153940         | 153940    | 86                          | 6              |
|                        | 20                | 78.6                  | 38410           | 66490     | 143150         | 143150    | 85                          | 6              |
|                        | 25                | 74.9                  | 31000           | 50740     | 111810         | 111810    | 84                          | 5              |
|                        | 30                | 71.1                  | 25780           | 40510     | 90710          | 90710     | 82                          | 4              |
|                        | 35                | 67.3                  | 21900           | 33510     | 74460          | 74980     | 81                          | 3              |
|                        | 40                | 63.4                  | 18910           | 28430     | 61010          | 61930     | 78                          | 3              |
|                        | 50                | 55.0                  | 14570           | 21540     | 44440          | 45590     | 72                          | 2              |
|                        | 60                | 45.7                  | 11580           | 17070     | 34610          | 35750     | 64                          | 2              |
|                        | 70                | 34.6                  | 9380            | 13930     | 28100          | 29170     | 52                          | 2              |
|                        | 80                | 18.5                  | 7680            | 11590     | 23460          | 24440     | 32                          | 1              |
| 90 feet                | 19                | 80.5                  | 39870           | 67970     | 150730         | 150730    | 96                          | 6              |
|                        | 20                | 79.8                  | 38000           | 65970     | 143150         | 143150    | 95                          | 6              |
|                        | 25                | 76.6                  | 30610           | 50500     | 111510         | 111510    | 94                          | 5              |
|                        | 30                | 73.3                  | 25400           | 40270     | 90400          | 90400     | 93                          | 4              |
|                        | 35                | 69.9                  | 21530           | 33270     | 74330          | 74830     | 91                          | 3              |
|                        | 40                | 66.5                  | 18540           | 28190     | 60860          | 61770     | 89                          | 3              |
|                        | 50                | 59.4                  | 14220           | 21300     | 44260          | 45400     | 84                          | 2              |
|                        | 60                | 51.6                  | 11240           | 16830     | 34430          | 35550     | 77                          | 2              |
|                        | 70                | 43.0                  | 9060            | 13690     | 27910          | 28970     | 68                          | 2              |
|                        | 80                | 32.5                  | 7380            | 11360     | 23270          | 24250     | 55                          | 1              |
| 100 feet               | 20                | 80.9                  | 37640           | 65510     | 143150         | 143150    | 106                         | 6              |
|                        | 25                | 78.0                  | 30260           | 50290     | 111240         | 111240    | 105                         | 5              |
|                        | 30                | 75.0                  | 25060           | 40050     | 90130          | 90130     | 103                         | 4              |
|                        | 35                | 72.0                  | 21200           | 33050     | 74210          | 74690     | 102                         | 3              |
|                        | 40                | 69.0                  | 18220           | 27970     | 60720          | 61610     | 100                         | 3              |
|                        | 50                | 62.7                  | 13900           | 21070     | 44100          | 45230     | 96                          | 2              |
|                        | 60                | 56.0                  | 10930           | 16610     | 34250          | 35370     | 90                          | 2              |
|                        | 70                | 48.8                  | 8760            | 13470     | 27740          | 28790     | 82                          | 2              |
|                        | 80                | 37.0                  | 7070            | 11110     | 23110          | 24160     | 74                          | 1              |
|                        | 90                | 26.3                  | 5900            | 9000      | 18530          | 19580     | 68                          | 1              |

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 100 feet cont.         | 80                | 40.6                  | 7090            | 11150     | 23090          | 24070     | 72                          | 1              |
|                        | 90                | 30.8                  | 5770            | 9350      | 19620          | 20520     | 58                          | 1              |
|                        | 100               | 16.5                  | 4680            | 7910      | 16900          | 17740     | 35                          | 1              |
| 110 feet               | 22                | 80.6                  | 33930           | 58850     | 128780         | 128780    | 115                         | 6              |
|                        | 25                | 79.1                  | 29850           | 50050     | 110920         | 110920    | 115                         | 5              |
|                        | 30                | 76.4                  | 24660           | 39800     | 89810          | 89810     | 114                         | 4              |
|                        | 35                | 73.7                  | 20810           | 32800     | 74060          | 74520     | 112                         | 3              |
|                        | 40                | 71.0                  | 17840           | 27710     | 60550          | 61430     | 111                         | 3              |
|                        | 50                | 65.4                  | 13540           | 20820     | 43910          | 45020     | 107                         | 2              |
|                        | 60                | 59.5                  | 10580           | 16350     | 34050          | 35160     | 102                         | 2              |
|                        | 70                | 53.2                  | 8410            | 13220     | 27520          | 28570     | 95                          | 2              |
|                        | 80                | 46.4                  | 6750            | 10900     | 22880          | 23850     | 86                          | 1              |
|                        | 90                | 38.7                  | 5440            | 9100      | 19400          | 20300     | 76                          | 1              |
|                        | 100               | 29.4                  | 4360            | 7670      | 16700          | 17520     | 61                          | 1              |
|                        | 110               | 15.7                  | 3460            | 6500      | 14520          | 15290     | 37                          | 1              |
| 120 feet               | 23                | 81.0                  | 32050           | 55370     | 121920         | 121920    | 125                         | 5              |
|                        | 25                | 80.0                  | 29440           | 49790     | 110590         | 110590    | 125                         | 5              |
|                        | 30                | 77.5                  | 24260           | 39540     | 89480          | 89480     | 124                         | 4              |
|                        | 35                | 75.1                  | 20410           | 32540     | 73910          | 74350     | 123                         | 3              |
|                        | 40                | 72.6                  | 17450           | 27450     | 60380          | 61240     | 121                         | 3              |
|                        | 50                | 67.5                  | 13160           | 20550     | 43710          | 44810     | 118                         | 2              |
|                        | 60                | 62.2                  | 10210           | 16080     | 33840          | 34940     | 113                         | 2              |
|                        | 70                | 56.7                  | 8050            | 12950     | 27300          | 28340     | 107                         | 2              |
|                        | 80                | 50.8                  | 6400            | 10630     | 22650          | 23610     | 100                         | 1              |
|                        | 90                | 44.3                  | 5090            | 8840      | 19170          | 20060     | 91                          | 1              |
|                        | 100               | 37.0                  | 4030            | 7420      | 16470          | 17290     | 79                          | 1              |
|                        | 110               | 28.1                  | 3140            | 6250      | 14300          | 15070     | 63                          | 1              |
| 130 feet               | 25                | 80.8                  | 29020           | 49540     | 110270         | 110270    | 135                         | 5              |
|                        | 30                | 78.5                  | 23850           | 39280     | 89150          | 89150     | 134                         | 4              |
|                        | 35                | 76.3                  | 20020           | 32270     | 73750          | 74170     | 133                         | 3              |
|                        | 40                | 74.0                  | 17060           | 27180     | 60200          | 61040     | 132                         | 3              |
|                        | 50                | 69.3                  | 12780           | 20280     | 43500          | 44600     | 128                         | 2              |
|                        | 60                | 64.5                  | 9840            | 15810     | 33620          | 34710     | 124                         | 2              |
|                        | 70                | 59.6                  | 7680            | 12680     | 27070          | 28100     | 119                         | 2              |
|                        | 80                | 54.3                  | 6040            | 10360     | 22420          | 23370     | 112                         | 1              |
|                        | 90                | 48.7                  | 4740            | 8580      | 18940          | 19820     | 104                         | 1              |
|                        | 100               | 42.5                  | 3680            | 7150      | 16230          | 17050     | 95                          | 1              |
|                        | 110               | 35.5                  | 2800            | 5990      | 14070          | 14830     | 82                          | 1              |
|                        | 120               | 27.0                  | 2060            | 5020      | 12290          | 13000     | 66                          | 1              |
| 140 feet               | 27                | 80.6                  | —               | —         | 100480         | 100480    | 145                         | 4              |
|                        | 30                | 79.3                  | —               | —         | 88850          | 88850     | 144                         | 4              |
|                        | 35                | 77.3                  | —               | —         | 73600          | 74000     | 143                         | 3              |
|                        | 40                | 75.2                  | —               | —         | 60020          | 60850     | 142                         | 3              |
|                        | 50                | 70.9                  | —               | —         | 43310          | 44390     | 139                         | 2              |
|                        | 60                | 66.5                  | —               | —         | 33410          | 34490     | 135                         | 2              |
|                        | 70                | 61.9                  | —               | —         | 26860          | 27880     | 130                         | 2              |
|                        | 80                | 57.2                  | —               | —         | 22200          | 23150     | 124                         | 1              |
|                        | 90                | 51.2                  | —               | —         | 18530          | 19580     | 115                         | 1              |
|                        | 100               | 44.5                  | —               | —         | 14710          | 15510     | 107                         | 1              |
|                        | 110               | 37.0                  | —               | —         | 11110          | 12160     | 99                          | 1              |
|                        | 120               | 29.4                  | —               | —         | 8530           | 9580      | 91                          | 1              |

(Continued)



# LIFT RATINGS (cont.)

With 59H Tubular Tapered Tip Boom

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| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 140 feet<br>cont.      | 90                | 52.2                  | —               | —         | 18710          | 19590     | 117                         | 1              |
|                        | 100               | 46.8                  | —               | —         | 16010          | 16820     | 109                         | 1              |
|                        | 110               | 40.9                  | —               | —         | 13840          | 14600     | 98                          | 1              |
|                        | 120               | 34.1                  | —               | —         | 12070          | 12770     | 85                          | 1              |
|                        | 130               | 26.0                  | —               | —         | 10590          | 11250     | 68                          | 1              |
|                        | 140               | 13.9                  | —               | —         | 9320           | 9940      | 41                          | 1              |
| 150 feet               | 28                | 80.8                  | —               | —         | 89020          | 89020     | 155                         | 4              |
|                        | 30                | 80.1                  | —               | —         | 88510          | 88510     | 155                         | 4              |
|                        | 35                | 78.1                  | —               | —         | 73440          | 73820     | 154                         | 3              |
|                        | 40                | 76.2                  | —               | —         | 59840          | 60660     | 152                         | 3              |
|                        | 50                | 72.2                  | —               | —         | 43100          | 44170     | 150                         | 2              |
|                        | 60                | 68.1                  | —               | —         | 33180          | 34260     | 146                         | 2              |
|                        | 70                | 63.9                  | —               | —         | 26620          | 27640     | 142                         | 2              |
|                        | 80                | 59.6                  | —               | —         | 21960          | 22900     | 136                         | 1              |
|                        | 90                | 55.1                  | —               | —         | 18470          | 19350     | 130                         | 1              |
|                        | 100               | 50.3                  | —               | —         | 15760          | 16570     | 122                         | 1              |
|                        | 110               | 45.1                  | —               | —         | 13600          | 14350     | 113                         | 1              |
|                        | 120               | 39.4                  | —               | —         | 11820          | 12530     | 102                         | 1              |
|                        | 130               | 32.9                  | —               | —         | 10340          | 11000     | 88                          | 1              |
|                        | 140               | 25.1                  | —               | —         | 9090           | 9700      | 70                          | 1              |
|                        | 150               | 13.5                  | —               | —         | 8000           | 8580      | 42                          | 1              |
| 160 feet               | 30                | 80.7                  | —               | —         | 78570          | 78570     | 165                         | 4              |
|                        | 35                | 78.9                  | —               | —         | 73270          | 73540     | 164                         | 3              |
|                        | 40                | 77.0                  | —               | —         | 59650          | 60450     | 163                         | 3              |
|                        | 50                | 73.3                  | —               | —         | 42890          | 43950     | 160                         | 2              |
|                        | 60                | 69.6                  | —               | —         | 32960          | 34020     | 157                         | 2              |
|                        | 70                | 65.7                  | —               | —         | 26390          | 27400     | 153                         | 2              |
|                        | 80                | 61.7                  | —               | —         | 21720          | 22650     | 148                         | 1              |
|                        | 90                | 57.5                  | —               | —         | 18220          | 19090     | 142                         | 1              |
|                        | 100               | 53.2                  | —               | —         | 15510          | 16320     | 135                         | 1              |
|                        | 110               | 48.6                  | —               | —         | 13350          | 14090     | 127                         | 1              |
|                        | 120               | 43.6                  | —               | —         | 11570          | 12270     | 117                         | 1              |
|                        | 130               | 38.1                  | —               | —         | 10090          | 10750     | 106                         | 1              |
|                        | 140               | 31.9                  | —               | —         | 8840           | 9450      | 91                          | 1              |
|                        | 150               | 24.3                  | —               | —         | 7760           | 8330      | 73                          | 1              |
|                        | 160               | 13.0                  | —               | —         | 6810           | 7360      | 43                          | 1              |
| 170 feet               | 31                | 80.9                  | —               | —         | 68460          | 68460     | 175                         | 3              |
|                        | 35                | 79.5                  | —               | —         | 68240          | 68240     | 174                         | 3              |
|                        | 40                | 77.8                  | —               | —         | 59470          | 60250     | 173                         | 3              |
|                        | 50                | 74.3                  | —               | —         | 42670          | 43720     | 170                         | 2              |
|                        | 60                | 70.8                  | —               | —         | 32730          | 33780     | 167                         | 2              |
|                        | 70                | 67.2                  | —               | —         | 26150          | 27150     | 163                         | 2              |
|                        | 80                | 63.5                  | —               | —         | 21470          | 22400     | 159                         | 1              |
|                        | 90                | 59.7                  | —               | —         | 17970          | 18840     | 153                         | 1              |
|                        | 100               | 55.7                  | —               | —         | 15260          | 16060     | 147                         | 1              |
|                        | 110               | 51.5                  | —               | —         | 13090          | 13840     | 140                         | 1              |
|                        | 120               | 47.0                  | —               | —         | 11320          | 12010     | 131                         | 1              |
|                        | 130               | 42.2                  | —               | —         | 9840           | 10490     | 121                         | 1              |
|                        | 140               | 36.9                  | —               | —         | 8580           | 9190      | 109                         | 1              |
|                        | 150               | 30.9                  | —               | —         | 7500           | 8080      | 94                          | 1              |
|                        | 160               | 23.5                  | —               | —         | 6560           | 7110      | 75                          | 1              |
|                        | 170               | 12.6                  | —               | —         | 5730           | 6250      | 44                          | 1              |
| 180 feet               | 33                | 80.8                  | —               | —         | 60840          | 60840     | 184                         | 3              |
|                        | 35                | 80.1                  | —               | —         | 60840          | 60840     | 184                         | 3              |
|                        | 40                | 78.5                  | —               | —         | 59280          | 60050     | 183                         | 3              |
|                        | 50                | 75.2                  | —               | —         | 42460          | 43500     | 181                         | 2              |
|                        | 60                | 71.9                  | —               | —         | 32500          | 33550     | 178                         | 2              |
|                        | 70                | 68.5                  | —               | —         | 25920          | 26910     | 174                         | 2              |
|                        | 80                | 65.1                  | —               | —         | 21230          | 22160     | 170                         | 1              |
|                        | 90                | 61.5                  | —               | —         | 17730          | 18590     | 165                         | 1              |
|                        | 100               | 57.8                  | —               | —         | 15020          | 15810     | 159                         | 1              |
|                        | 110               | 54.0                  | —               | —         | 12850          | 13590     | 152                         | 1              |
|                        | 120               | 49.9                  | —               | —         | 11070          | 11760     | 145                         | 1              |
|                        | 130               | 45.6                  | —               | —         | 9590           | 10240     | 135                         | 1              |
|                        | 140               | 41.0                  | —               | —         | 8340           | 8940      | 125                         | 1              |
|                        | 150               | 35.9                  | —               | —         | 7260           | 7830      | 112                         | 1              |
|                        | 160               | 30.0                  | —               | —         | 6320           | 6860      | 97                          | 1              |
|                        | 170               | 22.8                  | —               | —         | 5500           | 6010      | 77                          | 1              |
|                        | 180               | 12.3                  | —               | —         | 4760           | 5250      | 45                          | 1              |
| 190 feet               | 34                | 81.0                  | —               | —         | 54490          | 54490     | 194                         | 3              |
|                        | 35                | 80.6                  | —               | —         | 54490          | 54490     | 194                         | 3              |
|                        | 40                | 79.1                  | —               | —         | 53870          | 53870     | 193                         | 3              |

| Boom Length<br>In Feet | Radius<br>In Feet | Boom Angle<br>Degrees | Outriggers Free |           | Outriggers Set |           | Ft. From Boom Pt. to Ground | Min. Load Line |
|------------------------|-------------------|-----------------------|-----------------|-----------|----------------|-----------|-----------------------------|----------------|
|                        |                   |                       | Over Side       | Over Rear | Over Side      | Over Rear |                             |                |
| 190 feet<br>cont.      | 50                | 76.0                  | —               | —         | 42250          | 43280     | 191                         | 2              |
|                        | 60                | 72.9                  | —               | —         | 32270          | 33320     | 188                         | 2              |
|                        | 70                | 69.7                  | —               | —         | 25680          | 26670     | 185                         | 2              |
|                        | 80                | 66.5                  | —               | —         | 20990          | 21910     | 181                         | 1              |
|                        | 90                | 63.1                  | —               | —         | 17480          | 18340     | 176                         | 1              |
|                        | 100               | 59.7                  | —               | —         | 14760          | 15560     | 171                         | 1              |
|                        | 110               | 56.1                  | —               | —         | 12590          | 13330     | 165                         | 1              |
|                        | 120               | 52.4                  | —               | —         | 10810          | 11500     | 157                         | 1              |
|                        | 130               | 48.5                  | —               | —         | 9330           | 9970      | 149                         | 1              |
|                        | 140               | 44.3                  | —               | —         | 8080           | 8680      | 140                         | 1              |
|                        | 150               | 39.8                  | —               | —         | 7000           | 7570      | 129                         | 1              |
|                        | 160               | 34.9                  | —               | —         | 6060           | 6600      | 115                         | 1              |
|                        | 170               | 29.2                  | —               | —         | 5240           | 5750      | 99                          | 1              |
|                        | 180               | 22.2                  | —               | —         | 4510           | 5000      | 79                          | 1              |
|                        | 190               | 12.0                  | —               | —         | 3860           | 4320      | 46                          | 1              |
| 200 feet               | 36                | 80.8                  | —               | —         | 47450          | 47450     | 204                         | 2              |
|                        | 40                | 79.7                  | —               | —         | 47120          | 47120     | 204                         | 2              |
|                        | 50                | 76.7                  | —               | —         | 42030          | 43050     | 201                         | 2              |
|                        | 60                | 73.8                  | —               | —         | 32040          | 33080     | 199                         | 2              |
|                        | 70                | 70.8                  | —               | —         | 25430          | 26420     | 196                         | 2              |
|                        | 80                | 67.7                  | —               | —         | 20740          | 21650     | 192                         | 1              |
|                        | 90                | 64.6                  | —               | —         | 17230          | 18080     | 187                         | 1              |
|                        | 100               | 61.4                  | —               | —         | 14500          | 15290     | 182                         | 1              |
|                        | 110               | 58.0                  | —               | —         | 12330          | 13060     | 176                         | 1              |
|                        | 120               | 54.6                  | —               | —         | 10550          | 11230     | 170                         | 1              |
|                        | 130               | 51.0                  | —               | —         | 9070           | 9710      | 162                         | 1              |
|                        | 140               | 47.2                  | —               | —         | 7810           | 8410      | 154                         | 1              |
|                        | 150               | 43.2                  | —               | —         | 6730           | 7300      | 144                         | 1              |
|                        | 160               | 38.8                  | —               | —         | 5800           | 6340      | 132                         | 1              |
|                        | 170               | 34.0                  | —               | —         | 4980           | 5490      | 119                         | 1              |
|                        | 180               | 28.4                  | —               | —         | 4250           | 4740      | 102                         | 1              |
|                        | 190               | 21.7                  | —               | —         | 3600           | 4060      | 81                          | 1              |
|                        | 200               | 11.7                  | —               | —         | 3010           | 3450      | 47                          | 1              |
| 210 feet               | 37                | 81.0                  | —               | —         | 42760          | 42760     | 214                         | 2              |
|                        | 40                | 80.2                  | —               | —         | 42480          | 42480     | 214                         | 2              |
|                        | 50                | 77.4                  | —               | —         | 41130          | 41130     | 212                         | 2              |
|                        | 60                | 74.6                  | —               | —         | 31810          | 32830     | 209                         | 2              |
|                        | 70                | 71.7                  | —               | —         | 25190          | 26170     | 206                         | 2              |
|                        | 80                | 68.8                  | —               | —         | 20490          | 21400     | 203                         | 1              |
|                        | 90                | 65.9                  | —               | —         | 16970          | 17820     | 198                         | 1              |
|                        | 100               | 62.8                  | —               | —         | 14250          | 15030     | 194                         | 1              |
|                        | 110               | 59.7                  | —               | —         | 12070          | 12800     | 188                         | 1              |
|                        | 120               | 56.5                  | —               | —         | 10290          | 10970     | 182                         | 1              |
|                        | 130               | 53.2                  | —               | —         | 8800           | 9440      | 175                         | 1              |
|                        | 140               | 49.7                  | —               | —         | 7540           | 8140      | 167                         | 1              |
|                        | 150               | 46.0                  | —               | —         | 6470           | 7030      | 158                         | 1              |
|                        | 160               | 42.1                  | —               | —         | 5530           | 6070      | 147                         | 1              |
|                        | 170               | 37.8                  | —               | —         | 4710           | 5220      | 136                         | 1              |
|                        | 180               | 33.1                  | —               | —         | 3990           | 4470      | 122                         | 1              |
|                        | 190               | 27.7                  | —               | —         | 3340           | 3800      | 104                         | 1              |
|                        | 200               | 21.1                  | —               | —         | 2760           | 3190      | 82                          | 1              |
|                        | 210               | 11.4                  | —               | —         | 2220           | 2640      | 48                          | 1              |
| 220 feet               | 39                | 80.9                  | —               | —         | 38590          | 38590     | 224                         | 2              |
|                        | 40                | 80.6                  | —               | —         | 38480          | 38480     | 224                         | 2              |
|                        | 50                | 78.0                  | —               | —         | 36640          | 36640     | 222                         | 2              |
|                        | 60                | 75.3                  | —               | —         | 31570          | 32590     | 220                         | 2              |
|                        | 70                | 72.6                  | —               | —         | 24940          | 25910     | 217                         | 2              |
|                        | 80                | 69.8                  | —               | —         | 20240          | 21140     | 213                         | 1              |
|                        | 90                | 67.0                  | —               | —         | 18720          | 19560     | 209                         | 1              |
|                        | 100               | 64.2                  | —               | —         | 13980          | 14760     | 205                         | 1              |
|                        | 110               | 61.2                  | —               | —         | 11800          | 12530     | 200                         | 1              |
|                        | 120               | 58.2                  | —               | —         | 10020          | 10700     | 194                         | 1              |
|                        | 130               | 55.1                  | —               | —         | 8530           | 9170      | 187                         | 1              |
|                        | 140               | 51.9                  | —               | —         | 7280           | 7870      | 180                         | 1              |
|                        | 150               | 48.5                  | —               | —         | 6200           | 6760      | 171                         | 1              |
|                        | 160               | 44.9                  | —               | —         | 5260           | 5790      | 162                         | 1              |
|                        | 170               | 41.1                  | —               | —         | 4440           | 4950      | 151                         | 1              |
|                        | 180               | 36.9                  | —               | —         | 3720           | 4200      | 139                         | 1              |
|                        | 190               | 32.3                  | —               | —         | 3070           | 3530      | 124                         | 1              |
|                        | 200               | 27.1                  | —               | —         | 2490           | 2930      | 107                         | 1              |
|                        | 210               | 20.6                  | —               | —         | 1960           | 2380      | 84                          | 1              |
|                        | 220               | 11.1                  | —               | —         | 1480           | 1880      | 49                          | 1              |



# TUBULAR CHORD JIB RATINGS

## NO. 7HL JIB RATING

| Jib Offset                         | Jib Length |         |        |
|------------------------------------|------------|---------|--------|
|                                    | 30'        | 40'     | 50'    |
| 0 to 6'                            | 16,000*    | 14,000* | 11,000 |
| 9'                                 | 16,000*    | 12,000  | 9,300  |
| 12'                                | 14,000*    | 10,800  | 8,000  |
| 15'                                | —          | 9,500   | 7,000  |
| 18'                                | —          | —       | 6,000  |
| Effective Jib Weight at Boom Point | 1,400      | 1,950   | 2,630  |

\*Ratings require 7/8" rope. With 3/4" IPS rope max. capacity is 14,630 pounds. With 3/4" non-spin rope max. capacity is 12,450.

## MAX. NO. 7HL JIB LENGTH PER BOOM

47S & 47H Booms — Max. 50' Jib  
37H, 46S & 46H Booms — Max. 40' Jib

## APPLICATION

400 Series — All Models  
500 Series — All Models except 575C, 595C & 597C with 30H Boom  
700 Series — All Models with 46S & 46H Booms

## NO. 9HL JIB RATING

| Jib Offset                         | Jib Length |        |        |        |        |
|------------------------------------|------------|--------|--------|--------|--------|
|                                    | 40'        | 50'    | 60'    | 70'    | 80'    |
| 0 to 8'                            | 19,000     | 17,000 | 14,500 | 12,500 | 10,500 |
| 12'                                | 16,600     | 14,800 | 12,600 | 11,300 | 9,600  |
| 16'                                | 14,400     | 12,800 | 11,600 | 10,100 | 8,600  |
| 20'                                | 12,000     | 11,000 | 10,300 | 9,000  | 8,000  |
| 24'                                | —          | —      | 9,000  | 8,000  | 7,000  |
| 28'                                | —          | —      | 8,000  | 7,000  | 6,200  |
| 32'                                | —          | —      | —      | —      | 5,400  |
| Effective Jib Weight at Boom Point | 1,850      | 2,350  | 2,750  | 3,700  | 4,300  |

## MAX. NO. 9HL JIB LENGTH PER BOOM

77S & 92H Booms — Max. 80' Jib  
59H Boom — Max. 60' Jib at all offsets, 70' & 80' Jibs at 0-8' offsets only  
59S Boom — Max. 60' Jib  
58H Boom — Max. 50' Jib  
46H Boom — Max. 40' Jib at all offsets, 50' & 60' Jibs at 0-8' offsets only

## APPLICATION

700 Series — Models 7250, 7260, 7460 & 7530  
900 Series — All Models