

| BOOM LENGTH (FEET) | RADIUS IN FEET | BOOM ANGLE DEGREES | FREE | | OUTRIGGERS SET | | FEET FROM BOOM POINT TO GROUND |
|--------------------|----------------|--------------------|-----------|-----------|----------------|-----------|--------------------------------|
| | | | OVER SIDE | OVER REAR | OVER SIDE | OVER REAR | |
| 40' | 10 | 81.0 | 58,610* | 82,330 | 90,000* | 90,000* | 45.34 |
| | 12 | 78.1 | 48,580 | 63,310 | 90,000* | 90,000* | 44.97 |
| | 15 | 73.6 | 35,600 | 46,820 | 76,560* | 76,560* | 44.21 |
| | 20 | 65.9 | 24,370 | 32,390 | 57,230* | 57,230* | 42.35 |
| | 25 | 57.7 | 18,320 | 24,560 | 44,310* | 44,310* | 39.65 |
| | 30 | 48.6 | 14,530 | 19,650 | 36,000* | 36,000* | 35.85 |
| | 35 | 37.9 | 11,940 | 16,260 | 30,060 | 30,190* | 30.43 |
| | 40 | 23.4 | 10,040 | 13,790 | 24,900 | 25,900* | 21.73 |
| 50' | 12 | 80.5 | 48,560 | 63,280 | 90,000* | 90,000* | 55.15 |
| | 15 | 77.0 | 35,550 | 46,760 | 76,560* | 76,560* | 54.55 |
| | 20 | 71.0 | 24,290 | 32,310 | 57,110* | 57,110* | 53.10 |
| | 25 | 64.7 | 18,230 | 24,470 | 44,190* | 44,190* | 51.06 |
| | 30 | 58.2 | 14,440 | 19,550 | 35,870* | 35,870* | 48.32 |
| | 35 | 51.1 | 11,840 | 16,160 | 30,030 | 30,070* | 44.73 |
| | 40 | 43.1 | 9,950 | 13,690 | 24,860 | 25,780* | 40.01 |
| | 50 | 20.8 | 7,360 | 10,320 | 18,280 | 19,870* | 23.60 |
| 60' | 14 | 80.1 | 38,980 | 51,160 | 82,030* | 82,030* | 65.11 |
| | 15 | 79.2 | 35,450 | 46,660 | 76,560* | 76,560* | 64.77 |
| | 20 | 74.2 | 24,170 | 32,190 | 56,950* | 56,950* | 63.58 |
| | 25 | 69.2 | 18,100 | 24,340 | 44,020* | 44,020* | 61.92 |
| | 30 | 64.0 | 14,310 | 19,410 | 35,700* | 35,700* | 59.75 |
| | 35 | 58.5 | 11,710 | 16,030 | 29,900* | 29,900* | 56.98 |
| | 40 | 52.6 | 9,810 | 13,560 | 24,780 | 25,620* | 53.52 |
| | 50 | 39.1 | 7,230 | 10,190 | 18,200 | 19,710* | 43.71 |
| 70' | 15 | 80.7 | 35,350 | 46,550 | 76,560* | 76,560* | 74.92 |
| | 20 | 76.6 | 24,050 | 32,060 | 56,780* | 56,780* | 73.92 |
| | 25 | 72.3 | 17,970 | 24,200 | 43,840* | 43,840* | 72.52 |
| | 30 | 67.9 | 14,170 | 19,270 | 35,520* | 35,520* | 70.70 |
| | 35 | 63.4 | 11,560 | 15,880 | 29,710* | 29,710* | 68.43 |
| | 40 | 58.7 | 9,670 | 13,410 | 24,680 | 25,430* | 65.65 |
| | 50 | 48.4 | 7,090 | 10,040 | 18,090 | 19,540* | 58.21 |
| | 60 | 36.1 | 5,410 | 7,850 | 14,070 | 15,660* | 47.07 |
| 80' | 17 | 80.5 | 29,700 | 39,360 | 67,550* | 67,550* | 84.89 |
| | 20 | 78.3 | 23,910 | 31,920 | 56,590* | 56,590* | 84.16 |
| | 25 | 74.6 | 17,820 | 24,050 | 43,640* | 43,640* | 82.95 |
| | 30 | 70.8 | 14,010 | 19,110 | 35,320* | 35,320* | 81.39 |
| | 35 | 67.0 | 11,400 | 15,720 | 29,510* | 29,510* | 79.45 |
| | 40 | 63.0 | 9,510 | 13,250 | 24,560 | 25,230* | 77.10 |
| | 50 | 54.6 | 6,930 | 9,880 | 17,960 | 19,340* | 71.01 |
| | 60 | 45.1 | 5,250 | 7,690 | 13,940 | 15,460* | 62.50 |
| 90' | 18 | 80.9 | 27,360 | 36,400 | 63,800* | 63,800* | 94.70 |
| | 20 | 79.6 | 23,760 | 31,760 | 56,380* | 56,380* | 94.35 |
| | 25 | 76.3 | 17,650 | 23,890 | 43,430* | 43,430* | 93.28 |
| | 30 | 73.0 | 13,840 | 18,940 | 35,110* | 35,110* | 91.91 |
| | 35 | 69.6 | 11,230 | 15,550 | 29,300* | 29,300* | 90.21 |
| | 40 | 66.2 | 9,330 | 13,080 | 24,440 | 25,020* | 88.18 |

AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107

MODEL 4460 TRUCK CRANE RATINGS IN POUNDS
47S TUBULAR BOOM
15,700 LBS. CTWT. - AMERICAN CARRIER

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|--------------------|----------------|--------------------|-----------|-----------|----------------|-----------|--------------------------------|
| | | | OVER SIDE | OVER REAR | OVER SIDE | OVER REAR | |
| 90' | 50 | 59.0 | 6,750 | 9,710 | 17,820 | 19,120* | 82.97 |
| | 60 | 51.2 | 5,080 | 7,520 | 13,790 | 15,250* | 75.95 |
| | 70 | 42.4 | 3,900 | 5,980 | 11,080 | 12,510* | 66.48 |
| | 80 | 31.7 | 3,020 | 4,830 | 9,120 | 10,460* | 53.06 |
| | 90 | 15.3 | 2,330 | 3,930 | 7,630 | 8,870* | 29.60 |
| 100' | 20 | 80.6 | 23,610 | 31,610 | 56,180* | 56,180* | 104.50 |
| | 25 | 77.7 | 17,490 | 23,720 | 43,230* | 43,230* | 103.55 |
| | 30 | 74.8 | 13,680 | 18,780 | 34,890* | 34,890* | 102.32 |
| | 35 | 71.8 | 11,060 | 15,380 | 29,080* | 29,080* | 100.81 |
| | 40 | 68.7 | 9,160 | 12,900 | 24,310 | 24,800* | 99.01 |
| | 50 | 62.4 | 6,580 | 9,530 | 17,680 | 18,910* | 94.45 |
| | 60 | 55.7 | 4,900 | 7,340 | 13,640 | 15,040* | 88.42 |
| | 70 | 48.4 | 3,720 | 5,800 | 10,920 | 12,300* | 80.57 |
| | 80 | 40.1 | 2,850 | 4,660 | 8,960 | 10,260* | 70.21 |
| | 90 | 30.0 | 2,170 | 3,770 | 7,480 | 8,670* | 55.79 |
| 100 | 14.5 | 1,620 | 3,050 | 6,310 | 7,390* | 30.87 | |
| 110' | 21 | 81.0 | 21,950 | 29,520 | 52,840* | 52,840* | 114.47 |
| | 25 | 78.8 | 17,330 | 23,560 | 43,010* | 43,010* | 113.76 |
| | 30 | 76.2 | 13,510 | 18,600 | 34,680* | 34,680* | 112.65 |
| | 35 | 73.5 | 10,890 | 15,200 | 28,860* | 28,860* | 111.29 |
| | 40 | 70.7 | 8,980 | 12,720 | 24,180 | 24,580* | 109.67 |
| | 50 | 65.1 | 6,400 | 9,350 | 17,530 | 18,680* | 105.60 |
| | 60 | 59.2 | 4,720 | 7,160 | 13,490 | 14,810* | 100.30 |
| | 70 | 52.9 | 3,540 | 5,620 | 10,760 | 12,080* | 93.53 |
| | 80 | 46.0 | 2,670 | 4,480 | 8,800 | 10,040* | 84.91 |
| | 90 | 38.1 | 1,990 | 3,590 | 7,320 | 8,450* | 73.73 |
| | 100 | 28.5 | 1,450 | 2,880 | 6,160 | 7,190* | 58.37 |
| 110 | 13.8 | 990 | 2,300 | 5,220 | 6,140* | 32.08 | |
| 120' | 23 | 80.8 | | | 47,240* | 47,240* | 124.28 |
| | 25 | 79.8 | | | 42,790* | 42,790* | 123.93 |
| | 30 | 77.4 | | | 34,450* | 34,450* | 122.92 |
| | 35 | 74.9 | | | 28,640* | 28,640* | 121.68 |
| | 40 | 72.4 | | | 24,040 | 24,350* | 120.21 |
| | 50 | 67.3 | | | 17,380 | 18,450* | 116.54 |
| | 60 | 62.0 | | | 13,330 | 14,580* | 111.78 |
| | 70 | 56.4 | | | 10,600 | 11,850* | 105.80 |
| | 80 | 50.4 | | | 8,630 | 9,810* | 98.35 |
| | 90 | 43.9 | | | 7,150 | 8,230* | 89.02 |
| | 100 | 36.4 | | | 5,990 | 6,960* | 77.08 |
| | 110 | 27.3 | | | 5,050 | 5,930* | 60.82 |
| 120 | 13.2 | | | 4,280 | 5,060* | 33.23 | |
| 130' | 25 | 80.6 | | | 42,570* | 42,570* | 134.08 |
| | 30 | 78.3 | | | 34,230* | 34,230* | 133.15 |
| | 35 | 76.1 | | | 28,410* | 28,410* | 132.02 |
| | 40 | 73.8 | | | 23,900 | 24,120* | 130.67 |
| | 50 | 69.1 | | | 17,220 | 18,220* | 127.31 |
| | 60 | 64.3 | | | 13,160 | 14,350* | 123.00 |
| | 70 | 59.3 | | | 10,430 | 11,620* | 117.62 |
| 80 | 54.0 | | | 8,460 | 9,580* | 111.02 | |