

AMERICAN

TRUCK CRANE MODEL 7150

Axle #1 = 17,000

Axle#2 = 17,100

Axle#3 = 22,300

Axle#4 = 21,300

Total 77,600 Pounds

With 59H Tubular Chord Lattice Boom with Open Throat Tip and "A-B-C"
Counterweight (42,000 lbs.) and Bumper Counterweight (13,600 lbs.)

Boom Length in Feet	Radius in Feet	Boom Angle Degrees	Free On Tires	Outriggers Set		Ft. From Boom Point To Ground
			Over Rear	360 Degrees	Over Rear	
50 feet	12	81.0	90,370 *	250,000 *	250,000 *	57
	15	77.5	81,140 *	213,130 *	215,950 *	57
	20	71.5	69,040 *	159,510 *	164,530 *	55
	25	65.3	60,120 *	127,080 *	132,310 *	53
	30	58.8	53,160 *	94,800 *	110,280 *	50
	35	51.7	47,460 *	74,570 *	94,570 *	47
	40	43.9	40,120 *	61,190 *	82,280 *	42
	50	22.3	30,310 *	44,500 *	58,090 *	26
60 feet	14	80.6	83,120 *	226,610 *	228,710 *	67
	15	79.6	80,490 *	212,800 *	214,640 *	67
	20	74.7	68,750 *	159,200 *	163,750 *	66
	25	69.6	59,600 *	126,810 *	132,220 *	64
	30	64.4	52,710 *	94,900 *	110,200 *	62
	35	59.0	47,110 *	74,630 *	94,500 *	59
	40	53.2	40,040 *	61,240 *	80,600 *	56
	50	39.8	30,280 *	44,580 *	60,100 *	46
60	20.3	23,980 *	34,560 *	46,620 *	28	
70 feet	16	80.3	77,300 *	199,260 *	201,380 *	77
	20	76.9	68,340 *	158,990 *	163,330 *	76
	25	72.7	59,480 *	126,620 *	131,710 *	75
	30	68.3	52,390 *	94,970 *	110,120 *	73
	35	63.8	46,820 *	74,680 *	92,800 *	70
	40	59.1	40,000 *	61,280 *	79,190 *	68
	50	48.9	30,250 *	44,620 *	60,150 *	60
	60	36.7	23,990 *	34,630 *	46,880 *	49
70	18.8	19,630 *	27,950 *	37,900 *	30	
80 feet	17	80.8	74,280 *	187,000 *	189,220 *	87
	20	78.6	67,720 *	158,580 *	162,650 *	86
	25	74.9	58,910 *	126,250 *	131,350 *	85
	30	71.1	51,830 *	94,910 *	109,600 *	83
	35	67.3	46,320 *	74,590 *	91,070 *	82
	40	63.3	39,810 *	61,180 *	77,780 *	79
	50	54.9	30,080 *	44,510 *	59,330 *	73
	60	45.5	23,810 *	34,500 *	46,760 *	65
70	34.2	19,460 *	27,340 *	37,970 *	52	
80	17.5	16,290 *	23,080 *	31,130 *	31	
90 feet	19	80.5	69,550 *	166,880 *	170,100 *	97
	20	79.9	67,430 *	158,350 *	162,000 *	96
	25	76.6	58,660 *	126,050 *	130,700 *	95
	30	73.3	51,770 *	94,900 *	108,910 *	94
	35	69.9	46,070 *	74,570 *	90,510 *	92
	40	66.5	39,730 *	61,150 *	76,780 *	90
	50	59.3	30,020 *	44,480 *	58,690 *	85
	60	51.5	23,750 *	34,470 *	45,410 *	78
70	42.8	19,420 *	27,820 *	37,950 *	69	
80	32.2	16,290 *	23,080 *	31,650 *	55	
90	16.5	13,820 *	19,550 *	26,280 *	33	
100 feet	20	80.9	66,870 *	158,060 *	160,650 *	107
	25	78.0	57,980 *	125,640 *	130,090 *	106
	30	75.0	51,130 *	94,810 *	107,360 *	104
	35	72.0	45,740 *	74,440 *	89,370 *	103
	40	69.0	39,510 *	61,010 *	75,850 *	101
	50	62.7	29,800 *	44,310 *	57,820 *	96
	60	56.0	23,540 *	34,280 *	45,740 *	90
	70	48.7	19,190 *	27,620 *	37,750 *	83
80	40.5	16,100 *	22,870 *	31,400 *	72	
90	30.5	13,640 *	19,390 *	26,490 *	58	
100	15.6	11,680 *	16,590 *	22,530 *	34	

Boom Length in Feet	Radius in Feet	Boom Angle Degrees	Free On Tires	Outriggers Set		Ft. From Boom Point To Ground
			Over Rear	360 Degrees	Over Rear	
110 feet	22	80.7	62,470 *	142,930 *	145,700 *	116
	25	79.1	57,710 *	125,290 *	129,410 *	116
	30	76.4	50,760 *	94,680 *	106,110 *	115
	35	73.7	45,260 *	74,300 *	88,310 *	113
	40	71.0	39,320 *	60,860 *	74,730 *	112
	50	65.3	29,630 *	44,160 *	57,120 *	108
	60	59.4	23,350 *	34,110 *	45,220 *	102
	70	53.2	19,010 *	27,440 *	37,370 *	96
	80	46.3	15,940 *	22,700 *	31,100 *	87
	90	38.5	13,480 *	19,240 *	26,360 *	76
	100	29.0	11,540 *	16,460 *	22,670 *	61
110	14.8	9,970 *	14,220 *	19,270 *	36	
120 feet	23	81.0	54,900 *	136,050 *	137,280 *	126
	25	80.0	54,900 *	124,870 *	128,040 *	126
	30	77.6	60,260 *	94,570 *	104,860 *	125
	35	75.1	44,640 *	74,140 *	87,220 *	124
	40	72.6	39,090 *	60,700 *	73,770 *	122
	50	67.5	29,390 *	43,970 *	56,320 *	119
	60	62.2	23,110 *	33,900 *	45,190 *	114
	70	56.7	18,760 *	27,220 *	36,790 *	108
	80	50.7	15,710 *	22,590 *	30,740 *	100
	90	44.2	13,250 *	19,010 *	25,960 *	91
	100	36.8	11,320 *	16,230 *	22,650 *	79
110	27.8	9,750 *	14,010 *	19,390 *	63	
120	14.2	8,440 *	12,180 *	16,480 *	37	
130 feet	25	80.8	49,190 *	123,660 *	123,650 *	136
	30	78.5	49,190 *	94,410 *	103,960 *	135
	35	76.3	44,410 *	73,980 *	86,440 *	134
	40	74.0	38,910 *	60,530 *	73,090 *	133
	50	69.3	29,320 *	43,810 *	55,790 *	129
	60	64.5	22,950 *	33,740 *	44,790 *	125
	70	59.5	18,600 *	27,050 *	36,410 *	120
	80	54.2	15,560 *	22,440 *	30,440 *	113
	90	48.6	13,110 *	18,860 *	25,750 *	105
	100	42.4	11,180 *	16,080 *	22,560 *	95
	110	35.3	9,610 *	13,870 *	19,360 *	83
120	26.6	8,320 *	12,050 *	16,670 *	66	
130	13.6	7,230 *	10,530 *	14,260 *	38	
140 feet	27	80.6		111,470 *	111,470 *	146
	30	79.4		94,290 *	102,900 *	145
	35	77.3		73,820 *	85,490 *	144
	40	75.2		60,370 *	72,240 *	143
	50	70.9		43,610 *	55,050 *	140
	60	66.5		33,520 *	44,130 *	136
	70	61.9		26,810 *	35,810 *	131
	80	57.2		22,200 *	29,910 *	125
	90	52.1		18,620 *	25,270 *	118
	100	46.7		15,840 *	22,150 *	109
	110	40.8		13,620 *	19,020 *	99
120	34.0		11,800 *	16,430 *	86	
130	25.6		10,280 *	14,210 *	68	
140	13.1		8,990 *	12,200 *	39	
150 feet	28	80.8		97,550 *	97,550 *	156
	30	80.1		94,110 *	96,900 *	156
	35	78.1		73,630 *	84,720 *	155
	40	76.2		60,180 *	71,540 *	153
	50	72.2		43,410 *	54,460 *	151
	60	68.1		33,300 *	43,600 *	147
	70	63.9		26,590 *	35,330 *	142

