



AMERICAN HC 210

Hydraulic Crawler Crane



WORKHORSE

LIFT RATINGS IN POUNDS

With 77LH Hammerhead Boom, 29' Floating Mast,
89,000 lb. Counterweight and 48,000 lb. Side Frame Counterweight

Boom Length (Feet)	Rad. Feet	Boom Angle Degrees	Counterweight Retracted Pounds	Counterweight Extended Pounds	From Boom Pt. to Ground Feet
50 foot	12	83.1	420,000 *	420,000 *	57
	15	79.7	343,010 *	361,990 *	57
	20	73.9	255,670 *	269,960 *	55
	25	67.8	202,760 *	214,370 *	53
	30	61.5	159,660	169,860	50
	35	54.6	126,840	135,040	47
	40	47.1	104,770	111,540	43
50	27.1	76,750	81,920	28	
60 foot	13	83.3	393,330 *	415,100 *	67
	15	81.4	341,290 *	360,110 *	67
	20	76.6	254,840 *	269,080 *	66
	25	71.7	202,190 *	213,790 *	64
	30	66.5	159,740	169,940	62
	35	61.2	126,880	135,080	59
	40	55.5	104,800	111,550	56
50	42.7	76,820	81,980	46	
60	24.5	59,890	64,030	30	
70 foot	14	83.4	362,810 *	382,280 *	77
	15	82.6	338,810 *	357,540 *	77
	20	78.5	253,930 *	268,060 *	76
	25	74.3	201,630 *	213,210 *	75
	30	70.1	159,790	169,990	73
	35	65.6	126,900	135,100	70
	40	61.0	104,830	111,540	68
50	51.1	76,830	81,990	61	
60	39.3	59,990	64,130	50	
70	22.5	48,570	52,020	32	
80 foot	15	83.6	335,680 *	353,700 *	87
	20	80.0	252,610 *	266,620 *	86
	25	76.3	200,790 *	211,790 *	85
	30	72.6	159,710	169,910	83
	35	68.8	126,770	134,970	81
	40	64.9	104,670	111,370	79
	50	56.7	76,620	81,780	73
60	47.5	59,800	63,940	65	
70	36.6	48,410	51,870	53	
80	21.0	40,220	43,180	34	
90 foot	16	83.6	311,750 *	328,280 *	97
	20	81.1	250,990 *	264,790 *	96
	25	77.9	199,900 *	210,820 *	95
	30	74.6	159,590	169,790	94
	35	71.3	126,630	134,830	92
	40	67.9	104,520	111,190	90
	50	60.8	76,450	81,610	85
60	53.2	59,640	63,780	78	
70	44.6	48,260	51,710	69	
80	34.3	40,090	43,060	56	
90	19.7	33,980	36,580	35	
100 foot	17	83.7	253,030 *	252,820 *	107
	20	82.0	241,140 *	245,840 *	106
	25	79.1	192,800 *	203,590 *	106
	30	76.2	159,640 *	168,730 *	104
	35	73.2	126,890	135,090	103
	40	70.2	104,820	111,460	101
	50	64.0	76,750	81,910	97
60	57.4	59,980	64,120	91	
70	50.2	48,610	52,070	83	
80	42.2	40,470	43,440	73	
90	32.5	34,460	36,940	59	
100	18.6	29,610	31,920	37	
110 foot	18	83.7	242,510 *	242,110 *	117
	20	82.7	236,560 *	236,610 *	117
	25	80.1	191,510 *	202,120 *	116

Boom Length (Feet)	Rad. Feet	Boom Angle Degrees	Counterweight Retracted Pounds	Counterweight Extended Pounds	From Boom Pt. to Ground Feet
110 foot (cont.)	30	77.4	158,800 *	167,810 *	115
	35	74.8	126,760	134,960	113
	40	72.1	104,650	111,270	112
	50	66.5	76,510	81,670	108
	60	60.7	59,730	63,870	102
	70	54.5	48,340	51,800	96
	80	47.7	40,180	43,150	87
	90	40.1	34,210	36,800	76
	100	30.9	29,390	31,700	62
	110	17.7	25,500	27,580	38
	120 foot	19	83.8	230,070 *	230,370 *
20		83.3	226,230 *	226,260 *	127
25		80.9	189,900 *	200,240 *	126
30		78.5	157,850 *	166,760 *	125
35		76.1	126,560	134,760	124
40		73.6	104,460	111,050	122
50		68.6	76,270	81,430	119
60		63.3	59,500	63,640	114
70		57.8	48,100	51,560	108
80		51.9	39,930	42,890	101
90		45.5	33,980	36,580	91
100		38.3	29,180	31,490	80
110	29.5	25,320	27,400	64	
120	16.9	22,120	24,020	40	
130 foot	20	83.8	215,170 *	215,000 *	137
	25	81.6	187,710 *	198,180 *	136
	30	79.4	156,710 *	165,490 *	135
	35	77.2	126,400	134,600	134
	40	74.9	104,260	110,830	133
	50	70.3	76,010	81,170	129
	60	65.5	59,220	63,360	125
	70	60.6	47,790	51,240	120
	80	55.3	39,600	42,570	113
	90	49.7	33,670	36,270	105
	100	43.6	28,870	31,180	95
	110	36.7	25,000	27,080	83
	120	28.3	21,830	23,720	67
130	16.2	19,150	20,890	41	
140 foot	21	83.8	201,420 *	201,560 *	147
	25	82.2	184,840 *	189,440 *	146
	30	80.2	155,290 *	163,900 *	145
	35	78.1	126,170	134,370	144
	40	76.0	104,010	110,560	143
	50	71.7	75,720	80,880	140
	60	67.4	58,940	63,080	136
	70	62.8	47,500	50,950	131
	80	58.1	39,300	42,270	125
	90	53.2	33,390	35,990	118
	100	47.8	28,580	30,890	110
	110	41.9	24,730	26,810	99
	120	35.3	21,560	23,450	86
	130	27.2	18,910	20,650	69
140	15.5	16,650	18,250	42	
150 foot	22	83.9	159,150 *	159,250 *	157
	25	82.7	154,910 *	154,910 *	156
	30	80.8	147,820 *	147,500 *	155
	35	78.9	126,060	134,260	155
	40	76.9	103,960	110,470	153
	50	73.0	75,690	80,850	150
	60	68.9	58,940	63,080	147
	70	64.8	47,510	50,970	142
	80	60.5	39,320	42,290	137
	90	56.0	33,450	36,050	131
100	51.2	28,650	30,960	123	

Boom Length (Feet)	Rad. Feet	Boom Angle Degrees	Counterweight Retracted Pounds	Counterweight Extended Pounds	From Boom Pt. to Ground Feet
150 foot (cont.)	110	46.1	24,800	26,880	114
	120	40.4	21,650	23,540	103
	130	34.0	19,010	20,750	89
	140	26.3	16,770	18,370	71
	150	15.0	14,850	16,330	43
	160 foot	23	83.9	150,060 *	150,060 *
25		83.2	146,980 *	146,980 *	166
30		81.4	139,310 *	139,310 *	166
35		79.6	125,950	132,400 *	165
40		77.8	103,800	110,300	164
50		74.1	75,460	80,620	161
60		70.3	58,690	62,820	158
70		66.5	47,230	50,680	153
80		62.5	39,020	41,990	148
90		58.4	33,160	35,760	143
100		54.0	28,350	30,660	136
110		49.5	24,490	26,570	128
120		44.5	21,330	23,220	118
130		39.1	18,690	20,430	106
140		32.9	16,450	18,050	92
150		25.4	14,540	16,020	74
160	14.5	12,850	13,810 *	45	
170 foot	24	83.9	140,270 *	140,270 *	177
	27	82.9	138,900 *	138,900 *	176
	30	81.9	132,280 *	132,280 *	176
	35	80.2	125,620 *	125,510 *	175
	40	78.5	103,560	110,030	174
	50	75.0	75,180	80,340	171
	60	71.5	58,410	62,550	168
	70	67.9	46,940	50,390	164
	80	64.2	38,720	41,680	160
	90	60.4	32,890	35,480	154
	100	56.5	28,060	30,370	148
	110	52.3	24,200	26,280	141
	120	47.9	21,040	22,930	132
	130	43.1	18,400	20,130	122
	140	37.9	16,160	17,760	110
	150	31.9	14,250	15,740	95
	160	24.6	12,580	13,970	76
170	14.0	11,110	11,580 *	46	
180 foot	25	83.9	131,210 *	131,210 *	187
	30	82.3	125,080 *	125,080 *	186
	35	80.7	118,740 *	118,740 *	185
	40	79.1	103,390	109,840	184
	50	75.9	74,930	80,100	182
	60	72.6	58,150	62,290	179
	70	69.2	46,640	50,090	175
	80	65.8	38,400	41,360	171
	90	62.2	32,570	35,170	166
	100	58.5	27,740	30,050	160
	110	54.7	23,870	25,950	153
	120	50.7	20,700	22,590	145
	130	46.4	18,050	19,790	136
	140	41.8	15,810	17,410	126
	150	36.7	13,890	15,380	113
	160	30.9	12,230	13,620	98
	170	23.9	10,770	12,070	78
	180	13.6	9,440 *	9,440 *	47
190 foot	26	84.0	123,340 *	123,340 *	196
	30	82.8	118,650 *	118,650 *	196
	35	81.2	112,950 *	112,950 *	195
	40	79.7	103,130	106,340 *	194
	50	76.6	74,460	79,800	192
	60	73.5	57,850	61,990	189