



# AMERICAN HC 110

## Hydraulic Crawler Crane 59 HI Boom

### LIFT RATINGS IN POUNDS

With 59HI Offset Tip Boom and 52,900 Pound Counterweight

Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)
50' (15.2M)	13	79.9	220,000*	56
	15	77.6	190,080	55
	20	71.6	123,590	54
	25	65.4	87,980	52
	30	58.9	67,950	49
	35	51.9	55,210	46
	40	44.1	46,320	41
60' (18.3M)	14	80.7	203,570*	66
	15	79.7	189,950*	65
	20	74.8	123,410	64
	25	69.7	87,800	63
	30	64.5	67,740	61
	35	59.1	55,020	58
	40	53.3	46,110	54
70' (21.3M)	16	80.3	177,910*	75
	20	77.0	123,260	75
	25	72.8	87,640	73
	30	68.4	67,570	71
	35	63.9	54,860	69
	40	59.2	45,940	67
	50	49.0	34,380	59
80' (24.4M)	17	80.8	162,150	85
	20	78.7	123,050	85
	25	75.0	87,450	84
	30	71.2	67,340	82
	35	67.4	54,640	80
	40	63.4	45,710	78
	50	55.0	34,140	72
90' (27.4M)	19	80.6	133,760	95
	20	79.9	122,900	95
	25	76.7	87,300	94
	30	73.4	67,190	93
	35	70.0	54,480	91
	40	66.6	45,540	89
	50	59.4	33,960	84
100' (30.5M)	20	80.9	122,700	105
	25	78.0	87,090	104
	30	75.1	66,960	103
	35	72.1	54,260	102
	40	69.0	45,310	100
	50	62.7	33,720	95
	60	56.0	26,670	89
110' (33.5M)	22	80.7	105,370	115
	25	79.1	86,910	114
	30	76.5	66,750	113
	35	73.8	54,060	112
	40	71.0	45,100	110
	50	65.4	33,500	106
	60	59.5	26,470	101
120' (36.6M)	24	80.5	91,970	125
	25	80.1	86,700	125
	30	77.6	66,510	124
	35	75.2	53,830	122
	40	72.7	44,860	121
	50	67.6	33,250	117
	60	62.3	26,230	113
130' (39.6M)	25	80.8	86,510	135
	30	78.6	66,320	134
	35	76.3	53,640	133
	40	74.0	44,680	131
	50	69.4	33,040	128
	60	64.6	26,030	124
	70	59.6	21,110	118
140' (42.7M)	27	80.7	76,990	145
	30	79.4	66,090	144
	35	77.3	53,410	143
	40	75.2	44,440	142
	50	70.9	32,790	139
	60	66.5	25,800	135
	70	62.0	20,870	130
150' (45.7M)	28	80.9	72,790	154
	30	80.1	65,870	154
	35	78.2	53,210	153
	40	76.2	44,220	152
	50	72.2	32,560	149
	60	68.2	25,580	146
	70	64.0	20,650	141
160' (48.8M)	30	80.7	65,640	164
	35	78.9	52,980	163
	40	77.1	43,980	162
	50	73.4	32,310	160
	60	69.6	25,340	156
	70	65.7	20,410	152
	80	61.7	16,830	147
170' (51.8M)	31	80.9	62,400	174
	35	79.6	52,770	174
	40	77.9	43,770	173
	50	74.4	32,090	170
	60	70.8	25,130	167
	70	67.2	20,200	163
	80	63.5	16,620	159
180' (54.9M)	33	80.8	57,130	184
	35	80.2	52,540	184
	40	78.6	43,540	183
	50	75.3	31,840	180
	60	71.9	24,900	178
	70	68.6	19,950	174
	80	65.1	16,370	170
190' (57.9M)	33	80.8	57,130	184
	35	80.2	52,540	184
	40	78.6	43,540	183
	50	75.3	31,840	180
	60	71.9	24,900	178
	70	68.6	19,950	174
	80	65.1	16,370	170
200' (61.0M)	34	80.7	52,900	194
	35	80.1	48,710	194
	40	78.2	39,710	193
	50	74.2	28,050	190
	60	70.2	21,090	186
	70	66.2	16,160	182
	80	62.2	12,230	178
210' (64.0M)	35	80.6	48,510	204
	35	80.0	44,320	204
	40	78.1	35,320	203
	50	74.1	23,660	200
	60	70.1	16,700	196
	70	66.1	11,770	192
	80	62.1	7,840	188
220' (67.0M)	36	80.5	44,310	214
	36	80.0	40,120	214
	40	78.0	31,120	213
	50	74.0	19,460	210
	60	70.0	12,500	206
	70	66.0	7,570	202
	80	62.0	3,640	198
230' (70.0M)	37	80.4	40,110	224
	37	80.0	35,920	224
	40	78.0	26,920	223
	50	74.0	15,260	220
	60	70.0	8,300	216
	70	66.0	3,370	212
	80	62.0	-660	208
240' (73.0M)	38	80.3	35,910	234
	38	80.0	31,720	234
	40	78.0	22,720	233
	50	74.0	11,060	230
	60	70.0	4,100	226
	70	66.0	-890	222
	80	62.0	-1,920	218
250' (76.0M)	39	80.2	31,700	244
	39	80.0	27,510	244
	40	78.0	18,510	243
	50	74.0	6,850	240
	60	70.0	-1,110	236
	70	66.0	-2,140	232
	80	62.0	-3,170	228
260' (79.0M)	40	80.1	27,490	254
	40	80.0	23,300	254
	40	78.0	14,300	253
	50	74.0	2,640	250
	60	70.0	-3,320	246
	70	66.0	-4,350	242
	80	62.0	-5,380	238
270' (82.0M)	41	80.0	23,280	264
	41	80.0	19,090	264
	40	78.0	10,090	263
	50	74.0	-1,570	260
	60	70.0	-2,600	256
	70	66.0	-3,630	252
	80	62.0	-4,660	248
280' (85.0M)	42	79.9	19,070	274
	42	80.0	14,880	274
	40	78.0	5,880	273
	50	74.0	-3,480	270
	60	70.0	-4,510	266
	70	66.0	-5,540	262
	80	62.0	-6,570	258
290' (88.0M)	43	79.8	14,860	284
	43	80.0	10,670	284
	40	78.0	1,670	283
	50	74.0	-1,330	280
	60	70.0	-2,360	276
	70	66.0	-3,390	272
	80	62.0	-4,420	268
300' (91.0M)	44	79.7	10,650	294
	44	80.0	6,460	294
	40	78.0	-2,540	293
	50	74.0	-3,570	290
	60	70.0	-4,600	286
	70	66.0	-5,630	282
	80	62.0	-6,660	278
310' (94.0M)	45	79.6	6,440	304
	45	80.0	2,250	304
	40	78.0	-1,750	303
	50	74.0	-2,780	300
	60	70.0	-3,810	296
	70	66.0	-4,840	292
	80	62.0	-5,870	288
320' (97.0M)	46	79.5	2,230	314
	46	80.0	-1,960	314
	40	78.0	-2,990	313
	50	74.0	-4,020	310
	60	70.0	-5,050	306
	70	66.0	-6,080	302
	80	62.0	-7,110	298
330' (100.0M)	47	79.4	-1,740	324
	47	80.0	-2,970	324
	40	78.0	-4,000	323
	50	74.0	-5,030	320
	60	70.0	-6,060	316
	70	66.0	-7,090	312
	80	62.0	-8,120	308
340' (103.0M)	48	79.3	-2,230	334
	48	80.0	-3,460	334
	40	78.0	-4,490	333
	50	74.0	-5,520	330
	60	70.0	-6,550	326
	70	66.0	-7,580	322
	80	62.0	-8,610	318
350' (106.0M)	49	79.2	-2,720	344
	49	80.0	-3,950	344
	40	78.0	-4,980	343
	50	74.0	-6,010	340
	60	70.0	-7,040	336
	70	66.0	-8,070	332
	80	62.0	-9,100	328
360' (109.0M)	50	79.1	-3,210	354
	50	80.0	-4,440	354
	40	78.0	-5,470	353
	50	74.0	-6,500	350
	60	70.0	-7,530	346
	70	66.0	-8,560	342
	80	62.0	-9,590	338
370' (112.0M)	51	79.0	-3,700	364
	51	80.0	-4,930	364
	40	78.0	-5,960	363
	50	74.0	-7,000	360
	60	70.0	-8,030	356
	70	66.0	-9,060	352
	80	62.0	-10,090	348
380' (115.0M)	52	78.9	-4,190	374
	52	80.0	-5,420	374
	40	78.0	-6,450	373
	50	74.0	-7,480	370
	60	70.0	-8,510	366
	70	66.0	-9,540	362
	80	62.0	-10,570	358
390' (118.0M)	53	78.8	-4,680	384
	53	80.0	-5,910	384
	40	78.0	-6,940	383
	50	74.0	-7,970	380
	60	70.0	-9,000	376
	70	66.0	-10,030	372
	80	62.0	-11,060	368
400' (121.0M)	54	78.7	-5,170	394
	54	80.0	-6,400	394
	40	78.0	-7,430	393</

**LIFT RATINGS IN POUNDS (continued)**

**With 59HI Offset Tip Boom and 52,900 Pound Counterweight**

Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)	Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)	Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)								
180' (con't)	110	54.0	9,820	152	200' (con't)	80	67.7	15,890	191	220' (67.1M)	39	80.9	36,510*	224								
	120	49.9	8,420	144		90	64.6	13,170	187		40	80.7	36,220*	223								
	130	45.6	7,240	135		100	61.4	11,040	182		50	78.0	30,880	222								
	140	41.0	6,250	124		110	58.0	9,330	176		60	75.3	23,990	219								
	150	35.8	5,410	112		120	54.6	7,920	169		70	72.6	19,020	216								
	160	29.9	4,680	96		130	51.0	6,740	162		80	69.8	15,430	213								
	170	22.6	4,040	76		140	47.2	5,750	153		90	67.1	12,700	209								
190' (57.9M)	180	11.7	3,510	43	150	43.1	4,900	143	100	64.2	10,570	204	230' (70.1M)	41	80.8	31,890*	233					
	34	81.0	52,570*	194	160	38.8	4,160	132	50	78.5	28,280*	232		40	76.0	23,760	230					
	35	80.7	52,320	194	170	33.9	3,520	118	60	73.4	18,790	227		70	70.8	15,190	224					
	40	79.2	43,310	193	180	28.3	2,960	101	80	68.1	12,470	220		80	68.1	12,470	220					
	50	76.1	31,610	191	190	21.5	2,470	80	90	65.4	10,320	215		90	65.4	10,320	215					
	60	72.9	24,680	188	200	11.1	2,050	45	100	62.9	10,820	193		100	62.6	8,600	211					
	70	69.7	19,720	185	210' (64.0M)	38	80.8	41,580*	214	110	59.7	9,100		188	110	62.9	10,820	193	110	62.6	8,600	211
	80	66.5	16,140	181		40	80.2	40,870*	213	120	56.5	7,690		182	120	59.8	7,190	205	120	59.8	7,190	205
	90	63.2	13,420	176		50	77.4	31,130	211	130	53.2	6,510		174	130	56.8	6,010	199	130	56.8	6,010	199
	100	59.7	11,300	170		60	74.6	24,220	209	140	49.7	5,520		166	140	53.8	5,010	192	140	53.8	5,010	192
	110	56.2	9,580	164		70	71.7	19,260	206	150	46.0	4,660		157	150	50.6	4,150	184	150	50.6	4,150	184
	120	52.4	8,170	157		80	68.8	15,670	202	160	42.0	3,920		147	160	47.3	3,410	175	160	47.3	3,410	175
	130	48.5	7,000	149		90	65.9	12,950	198	170	37.8	3,270		135	170	43.8	2,760	166	170	43.8	2,760	166
140	44.3	6,010	139	100	62.9	10,820	193	180	33.0	2,710	121	180	40.1	2,190	154	180	40.1	2,190	154			
150	39.8	5,160	128	110	59.7	9,100	188	190	27.6	2,220	104	190	36.0	1,690	142	190	36.0	1,690	142			
160	34.8	4,420	115	120	56.5	7,690	182	200	20.9	1,780	81	200										
170	29.1	3,790	99																			
180	22.0	3,230	78																			
190	11.4	2,760	44																			
200' (61.0M)	36	80.9	46,920*	204																		
	40	79.7	43,070	203																		
	50	76.8	31,360	201																		
	60	73.8	24,440	198																		
	70	70.8	19,480	195																		

**LIFT RATINGS IN POUNDS**

**With 59HI Offset Tip Boom, #9HL Jib and 52,900 Pound Counterweight**

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset		Boom Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)			Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
40' (12.2M) JIB & 100' (30.5M) BOOM	30	80.7	22,540*					40' (con't)	90	59.0	15,350	61.3	15,350	63.2	15,350
	35	78.6	22,540*						100	54.7	13,230	56.9	13,230	58.8	13,230
	40	76.6	22,510*	79.3	21,260*				110	50.2	11,530	52.3	11,530	54.2	11,530
	50	72.3	21,720*	75.0	20,730*	77.5	19,820*		120	45.3	10,120	47.4	10,120	49.1	10,130
	60	68.0	21,090*	70.7	20,190*	73.1	19,490*		40' (12.2M) JIB & 130' (39.6M) BOOM	34	81.0	22,500*			
70	63.5	20,520*	66.1	19,780*	68.5	18,380*	35	80.6		22,500*					
80	58.9	18,580	61.4	18,580	63.7	17,020*	40	78.9		22,500*					
90	53.9	15,880	56.5	15,880	58.7	15,860*	50	75.5		22,240*	77.7	21,010*	79.8	20,020*	
100	48.7	13,760	51.1	13,760	53.2	13,770	60	72.0		21,690*	74.2	20,530*	76.3	19,670*	
40' (12.2M) JIB & 110' (33.5M) BOOM	31	80.9	22,530*					70	68.5	21,100*	70.6	20,130*	72.6	19,390*	
	35	79.4	22,530*					80	64.8	17,820	66.9	17,820	68.9	17,830	
	40	77.5	22,530*	80.0	21,400*			90	61.0	15,120	63.1	15,120	65.0	15,120	
	50	73.5	21,920*	76.0	20,830*	78.4	19,920*	100	57.1	13,000	59.2	13,000	61.0	13,000	
	60	69.5	21,280*	72.0	20,370*	74.3	19,500*	110	52.9	11,290	55.0	11,290	56.8	11,290	
	70	65.4	20,780*	67.9	19,910*	70.1	18,850*	120	48.6	9,890	50.6	9,890	52.3	9,900	
40' (12.2M) JIB & 120' (36.6M) BOOM	80	61.1	18,320	63.6	18,330	65.7	17,510*	130	43.9	8,710	45.8	8,720	47.4	8,720	
	90	56.7	15,620	59.1	15,620	61.2	15,630	40' (12.2M) JIB & 140' (42.7M) BOOM	36	80.8	22,490*				
	100	52.0	13,500	54.3	13,500	56.3	13,510		40	79.6	22,490*				
	110	46.9	11,800	49.2	11,800	51.1	11,800		50	76.3	22,380*	78.4	21,090*	80.4	20,080*
	33	80.8	22,520*						60	73.0	21,830*	75.1	20,690*	77.1	19,760*
35	80.1	22,520*					70		69.7	21,140	71.8	20,300*	73.7	19,410*	
40' (12.2M) JIB & 140' (42.7M) BOOM	40	78.2	22,520*	80.6	21,460*			80	66.3	17,560	68.3	17,560	70.2	17,560	
	50	74.6	22,080*	76.9	20,940*	79.2	19,960*	90	62.8	14,850	64.8	14,850	66.6	14,860	
	60	70.9	21,520*	73.2	20,440*	75.4	19,580*	100	59.1	12,730	61.1	12,730	62.9	12,740	
	70	67.0	20,980*	69.3	20,010*	71.5	19,290*	110	55.3	11,020	57.3	11,020	59.0	11,030	
	80	63.1	18,060	65.4	18,060	67.4	17,960*	120	51.3	9,610	53.3	9,610	54.9	9,620	

**LIFT RATINGS IN POUNDS (continued)**

**With 59HI Offset Tip Boom, #9HL Jib and 52,900 Pound Counterweight**

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
40' (12.2M) JIB & 150' (45.7M) BOOM	130	47.1	8,440	49.0	8,450	50.5	8,450
	140	42.6	7,450	44.4	7,450	45.8	7,460
	38	80.7	22,470*				
	40	80.1	22,470*				
	50	77.1	22,470*	79.1	21,190*	80.9	20,100*
	60	74.0	21,980*	75.9	20,770*	77.8	19,810*
	70	70.8	20,890	72.8	20,390*	74.6	19,510*
	80	67.6	17,310	69.5	17,310	71.3	17,310
	90	64.3	14,600	66.2	14,600	67.9	14,600
	100	60.9	12,470	62.8	12,480	64.5	12,480
	110	57.4	10,760	59.3	10,760	60.9	10,770
	120	53.7	9,360	55.6	9,370	57.1	9,370
	130	49.9	8,180	51.7	8,190	53.2	8,190
140	45.8	7,200	47.5	7,200	49.0	7,200	
150	41.4	6,340	43.1	6,350	44.4	6,350	
40' (12.2M) JIB & 160' (48.8M) BOOM	39	80.9	22,460*				
	40	80.6	22,460*				
	50	77.7	22,460*	79.6	21,280*		
	60	74.8	22,110*	76.7	20,840*	78.4	19,830*
	70	71.8	20,630	73.7	20,470*	75.4	19,530*
	80	68.8	17,040	70.6	17,050	72.3	17,050
	90	65.7	14,330	67.5	14,330	69.2	14,340
	100	62.5	12,210	64.3	12,210	65.9	12,210
	110	59.2	10,500	61.0	10,500	62.6	10,500
	120	55.8	9,100	57.6	9,100	59.1	9,100
	130	52.3	7,920	54.0	7,920	55.5	7,920
	140	48.5	6,920	50.2	6,920	51.6	6,920
	150	44.5	6,070	46.2	6,070	47.5	6,080
160	40.3	5,330	41.9	5,330	43.1	5,340	
40' (12.2M) JIB & 170' (51.8M) BOOM	41	80.8	22,450*				
	50	78.3	22,450*	80.1	21,300*		
	60	75.5	22,180*	77.3	20,930*	79.0	19,860*
	70	72.7	20,390	74.5	20,400	76.1	19,650*
	80	69.8	16,820	71.6	16,820	73.2	16,820
	90	66.9	14,100	68.6	14,100	70.2	14,100
	100	63.9	11,970	65.6	11,970	67.2	11,980
	110	60.8	10,260	62.5	10,260	64.0	10,260
	120	57.6	8,860	59.3	8,860	60.8	8,860
	130	54.3	7,680	56.0	7,680	57.4	7,680
	140	50.9	6,680	52.5	6,680	53.9	6,690
	150	47.3	5,830	48.9	5,830	50.2	5,840
	160	43.4	5,090	45.0	5,090	46.2	5,090
170	39.2	4,440	40.8	4,450	41.9	4,450	
40' (12.2M) JIB & 180' (54.9M) BOOM	42	80.9	22,430*				
	50	78.8	22,430*	80.6	21,320*		
	60	76.2	22,320*	77.9	21,000*	79.5	19,970*
	70	73.5	20,140	75.2	20,140	76.8	19,660*
	80	70.8	16,550	72.5	16,560	74.0	16,560
	90	68.0	13,840	69.7	13,840	71.2	13,840
	100	65.2	11,710	66.8	11,710	68.3	11,710
	110	62.3	9,990	63.9	10,000	65.4	10,000
	120	59.3	8,590	60.9	8,590	62.3	8,600
	130	56.2	7,410	57.8	7,410	59.2	7,420
	140	53.0	6,410	54.6	6,410	55.9	6,420
	150	49.6	5,560	51.2	5,570	52.5	5,570
	160	46.1	4,820	47.6	4,820	48.9	4,820
170	42.3	4,170	43.8	4,170	45.0	4,180	
180	38.3	3,600	39.7	3,600	40.8	3,610	
40' (12.2M) JIB & 190' (57.9M) BOOM	44	80.8	22,280*				
	50	79.3	21,610*	81.0	20,000*		
	60	76.8	20,450*	78.4	19,210*	80.0	17,960*
	70	74.2	19,360*	75.9	18,380*	77.4	17,390*
	80	71.6	16,310	73.3	16,310	74.7	16,310
	90	69.0	13,590	70.6	13,600	72.1	13,600
	100	66.3	11,460	67.9	11,460	69.3	11,470
	110	63.6	9,750	65.1	9,750	66.5	9,750
	120	60.7	8,340	62.3	8,340	63.7	8,340
	130	57.8	7,150	59.4	7,160	60.7	7,160
	140	54.8	6,160	56.4	6,170	57.7	6,170
	150	51.7	5,300	53.2	5,310	54.5	5,310
	160	48.5	4,560	50.0	4,560	51.2	4,560
170	45.0	3,910	46.5	3,910	47.6	3,920	
180	41.4	3,350	42.8	3,350	43.9	3,350	
190	37.4	2,830	38.8	2,840	39.7	2,840	

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset		
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	
40' (12.2M) JIB & 200' (61.0M) BOOM	45	81.0	19,380*					
	50	79.8	18,840*					
	60	77.3	17,740*	78.9	16,740*	80.4	15,650*	
	70	74.9	16,670*	76.5	15,890*	77.9	15,050*	
	80	72.4	15,640*	74.0	15,050*	75.4	14,440*	
	90	69.9	13,330	71.5	13,330	72.9	13,330	
	100	67.4	11,190	68.9	11,200	70.3	11,200	
	110	64.7	9,480	66.3	9,480	67.6	9,490	
	120	62.1	8,070	63.6	8,070	64.9	8,070	
	130	59.3	6,900	60.8	6,900	62.1	6,900	
	140	56.5	5,900	58.0	5,900	59.3	5,900	
	150	53.6	5,040	55.1	5,040	56.3	5,040	
	160	50.6	4,290	52.0	4,290	53.2	4,290	
170	47.4	3,640	48.8	3,640	49.9	3,650		
180	44.0	3,070	45.4	3,080	46.5	3,080		
190	40.4	2,560	41.8	2,560	42.8	2,570		
200	36.6	2,110	37.9	2,110	38.8	2,120		
40' (12.2M) JIB & 210' (64.0M) BOOM	47	80.9	16,660*					
	50	80.2	16,360*					
	60	77.9	15,300*	79.4	14,480*	80.8	13,600*	
	70	75.5	14,320*	77.0	13,710*	78.4	13,020*	
	80	73.1	13,360*	74.6	12,910*	76.0	12,390*	
	90	70.7	12,440*	72.2	12,080*	73.6	11,700*	
	100	68.3	10,960	69.8	10,960	71.1	10,960	
	110	65.8	9,250	67.3	9,250	68.6	9,250	
	120	63.3	7,830	64.7	7,830	66.0	7,840	
	130	60.7	6,650	62.1	6,650	63.4	6,660	
	140	58.0	5,650	59.4	5,650	60.7	5,650	
	150	55.3	4,790	56.7	4,790	57.9	4,790	
	160	52.4	4,050	53.8	4,050	55.0	4,060	
170	49.5	3,400	50.8	3,400	51.9	3,410		
180	46.4	2,820	47.7	2,830	48.8	2,830		
190	43.1	2,320	44.4	2,320	45.4	2,330		
200	39.6	1,870	40.9	1,870	41.8	1,870		
210	35.8	1,460	37.0	1,470	37.9	1,470		
50' (15.2M) JIB & 130' (39.6M) BOOM	37	80.8	20,630*					
	40	79.8	20,390*					
	50	76.6	19,680*	79.2	17,960*			
	60	73.3	19,030*	75.9	17,540*	78.4	16,230*	
	70	70.0	18,400*	72.6	17,050*	75.0	15,960*	
	80	66.5	17,800*	69.1	16,630*	71.5	15,630*	
	90	63.0	15,210	65.6	15,210	67.9	14,590*	
	100	59.4	13,090	61.9	13,090	64.1	13,100	
	110	55.6	11,380	58.1	11,380	60.2	11,390	
	120	51.6	9,980	54.0	9,980	56.1	9,990	
	130	47.4	8,800	49.8	8,810	51.8	8,810	
	50' (15.2M) JIB & 140' (42.7M) BOOM	38	81.0	20,560*				
		40	80.4	20,420*				
50		77.3	19,820*	79.8	17,980*			
60		74.2	19,120*	76.7	17,600*	79.0	16,260*	
70		71.1	18,500*	73.5	17,100*	75.8	15,970*	
80		67.9	17,660	70.3	16,710*	72.5	15,700*	
90		64.6	14,950	67.0	14,950	69.2	14,950*	
100		61.2	12,820	63.6	12,830	65.7	12,830	
110		57.6	11,110	60.0	11,120	62.1	11,120	
120		54.0	9,710	56.3	9,720	58.3	9,720	
130		50.1	8,530	52.4	8,540	54.4	8,540	
140		46.0	7,540	48.3	7,540	50.1	7,550	
50' (15.2M) JIB & 150' (45.7M) BOOM		40	80.9	20,460*				
	50	78.0	19,880*	80.3	17,970*			
	60	75.0	19,230*	77.4	17,590*	79.6	16,260*	
	70	72.0	18,670*	74.4	17,220*	76.6	15,980*	
	80	69.0	17,410	71.3	16,780*	73.5	15,720*	
	90	65.9	14,700	68.2	14,700	70.3	14,710	
	100	62.7	12,570	65.0	12,570	67.1	12,570	
	110	59.4	10,860	61.7	10,860	63.7	10,860	
	120	56.0	9,460	58.3	9,460	60.2	9,460	
	130	52.5	8,280	54.7	8,280	56.6	8,280	
	140	48.8	7,290	50.9	7,290	52.7	7,300	
	150	44.8	6,430	46.9	6,430	48.6	6,440	

**LIFT RATINGS IN POUNDS (continued)**

**With 59HI Offset Tip Boom, #9HL Jib and 52,900 Pound Counterweight**

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
50' (15.2M) JIB & 160' (48.8M) BOOM	42	80.7	20,310*				
	50	78.5	19,870*	80.8	17,940*		
	60	75.7	19,320*	78.0	17,630*	80.1	16,180*
	70	72.9	18,770*	75.2	17,260*	77.2	15,980*
	80	70.1	17,150	72.3	16,830*	74.3	15,720*
	90	67.1	14,440	69.3	14,440	71.3	14,440
	100	64.1	12,300	66.3	12,300	68.3	12,310
	110	61.0	10,590	63.2	10,590	65.1	10,600
	120	57.9	9,190	60.0	9,190	61.9	9,190
	130	54.6	8,010	56.7	8,010	58.5	8,010
	140	51.1	7,010	53.2	7,010	55.0	7,020
	150	47.5	6,160	49.5	6,160	51.2	6,170
160	43.6	5,420	45.6	5,420	47.2	5,420	
50' (15.2M) JIB & 170' (51.8M) BOOM	43	80.9	20,250*				
	50	79.1	19,850*				
	60	76.4	19,340*	78.6	17,560*	80.6	16,120*
	70	73.7	18,800*	75.9	17,240*	77.9	15,940*
	80	71.0	16,910	73.1	16,900*	75.1	15,750*
	90	68.2	14,200	70.3	14,200	72.3	14,210
	100	65.4	12,070	67.5	12,070	69.4	12,070
	110	62.5	10,350	64.6	10,360	66.4	10,360
	120	59.5	8,940	61.5	8,940	63.4	8,950
	130	56.4	7,770	58.4	7,770	60.2	7,780
	140	53.2	6,770	55.2	6,770	56.9	6,780
	150	49.9	5,910	51.8	5,920	53.5	5,920
160	46.3	5,180	48.3	5,180	49.8	5,180	
170	42.6	4,530	44.5	4,530	45.9	4,540	
50' (15.2M) JIB & 180' (54.9M) BOOM	45	80.8	20,050*				
	50	79.5	19,860*				
	60	77.0	19,310*	79.1	17,550*		
	70	74.4	18,820*	76.5	17,210*	78.4	15,850*
	80	71.8	16,660	73.9	16,660	75.8	15,690*
	90	69.2	13,930	71.2	13,940	73.1	13,940
	100	66.5	11,800	68.5	11,800	70.3	11,810
	110	63.8	10,090	65.8	10,090	67.5	10,090
	120	61.0	8,690	62.9	8,690	64.7	8,690
	130	58.1	7,500	60.0	7,510	61.7	7,510
	140	55.1	6,500	57.0	6,510	58.6	6,510
	150	51.9	5,640	53.8	5,650	55.4	5,650
160	48.7	4,910	50.6	4,910	52.1	4,910	
170	45.2	4,260	47.1	4,260	48.5	4,270	
180	41.6	3,690	43.4	3,690	44.7	3,690	
50' (15.2M) JIB & 190' (57.9M) BOOM	46	80.9	19,910*				
	50	80.0	19,720*				
	60	77.6	19,250*	79.5	17,490*		
	70	75.1	18,530*	77.1	17,180*	78.9	15,740*
	80	72.6	16,400	74.6	16,410	76.4	15,530*
	90	70.1	13,690	72.1	13,690	73.8	13,690
	100	67.6	11,560	69.5	11,560	71.2	11,560
	110	64.9	9,840	66.9	9,840	68.6	9,850
	120	62.3	8,430	64.2	8,430	65.9	8,430
	130	59.5	7,250	61.4	7,250	63.1	7,250
	140	56.7	6,250	58.6	6,250	60.2	6,250
	150	53.8	5,400	55.6	5,400	57.2	5,400
160	50.8	4,650	52.6	4,650	54.1	4,650	
170	47.6	4,000	49.4	4,000	50.8	4,010	
180	44.2	3,420	46.0	3,430	47.4	3,430	
190	40.6	2,920	42.3	2,920	43.6	2,930	
50' (15.2M) JIB & 200' (61.0M) BOOM	48	80.8	18,250*				
	50	80.4	18,030*				
	60	78.1	16,970*	80.0	15,670*		
	70	75.7	15,980*	77.6	14,990*	79.4	13,870*
	80	73.3	15,030*	75.2	14,250*	77.0	13,410*
	90	70.9	13,420	72.8	13,430	74.5	12,850*
	100	68.5	11,290	70.3	11,290	72.0	11,300
	110	66.0	9,580	67.9	9,580	69.5	9,580
	120	63.5	8,160	65.3	8,160	66.9	8,170
	130	60.9	6,980	62.7	6,980	64.3	6,990
	140	58.2	5,980	60.0	5,980	61.6	5,990
	150	55.5	5,130	57.2	5,130	58.8	5,140
160	52.6	4,380	54.4	4,380	55.8	4,390	
170	49.7	3,730	51.4	3,730	52.8	3,740	
180	46.6	3,150	48.3	3,160	49.6	3,160	
190	43.3	2,650	44.9	2,650	46.2	2,660	
200	39.8	2,200	41.4	2,200	42.6	2,200	

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
60' (18.3M) JIB & 150' (45.7M) BOOM	42	81.0	15,370*				
	50	78.8	14,890*				
	60	76.0	14,380*				
	70	73.2	13,800*	78.7	12,940*		
	80	70.3	13,330*	75.9	12,520*	78.4	11,320*
	90	67.4	12,800*	73.0	12,020*	75.5	10,980*
	100	64.4	12,290*	70.0	11,600*	72.5	10,640*
	110	61.3	10,940	67.0	11,200*	69.4	10,350*
	120	58.1	9,540	63.9	10,850*	66.2	10,130*
	130	54.8	8,360	60.7	9,540	63.0	9,550
	140	51.4	7,370	57.4	8,360	59.6	8,370
	150	47.7	6,510	53.9	7,370	56.0	7,380
60' (18.3M) JIB & 160' (48.8M) BOOM	44	80.9	15,300*				
	50	79.3	14,940*				
	60	76.6	14,450*	79.2	12,940*		
	70	73.9	13,940*	76.5	12,610*	78.9	11,390*
	80	71.2	13,480*	73.8	12,160*	76.2	11,050*
	90	68.4	13,020*	71.0	11,730*	73.3	10,730*
	100	65.6	12,400	68.1	11,300*	70.4	10,450*
	110	62.7	10,670	65.2	10,680	67.5	10,210*
	120	59.7	9,270	62.2	9,270	64.4	9,280
	130	56.6	8,090	59.1	8,090	61.2	8,100
	140	53.4	7,100	55.8	7,100	57.9	7,110
	150	50.1	6,240	52.5	6,240	54.5	6,250
160	46.5	5,500	48.9	5,500	50.8	5,500	
60' (18.3M) JIB & 170' (51.8M) BOOM	46	80.8	15,230*				
	50	79.8	14,980*				
	60	77.2	14,470*	79.7	12,950*		
	70	74.7	13,990*	77.1	12,650*	79.5	11,430*
	80	72.1	13,580*	74.5	12,230*	76.8	11,120*
	90	69.4	13,130*	71.9	11,810*	74.1	10,780*
	100	66.7	12,150	69.2	11,440*	71.4	10,520*
	110	64.0	10,440	66.4	10,440	68.6	10,260*
	120	61.2	9,040	63.5	9,040	65.7	9,040
	130	58.3	7,850	60.6	7,860	62.7	7,860
	140	55.3	6,850	57.6	6,860	59.6	6,860
	150	52.2	5,990	54.5	6,000	56.4	6,000
160	48.9	5,260	51.2	5,260	53.1	5,260	
170	45.5	4,610	47.7	4,610	49.5	4,620	
60' (18.3M) JIB & 180' (54.9M) BOOM	47	80.9	15,160*				
	50	80.2	15,010*				
	60	77.8	14,540*	80.1	12,950*		
	70	75.3	14,080*	77.7	12,640*	79.9	11,500*
	80	72.8	13,660*	75.2	12,350*	77.4	11,180*
	90	70.3	13,210*	72.7	11,940*	74.8	10,860*
	100	67.8	11,900	70.1	11,530*	72.2	10,610*
	110	65.2	10,170	67.5	10,170	69.5	10,180
	120	62.5	8,770	64.8	8,770	66.8	8,780
	130	59.7	7,590	62.0	7,590	64.0	7,590
	140	56.9	6,590	59.2	6,590	61.1	6,590
	150	54.0	5,740	56.2	5,740	58.1	5,740
160	51.0	4,990	53.2	4,990	55.0	5,000	
170	47.8	4,340	49.9	4,340	51.7	4,350	
180	44.4	3,770	46.5	3,770	48.2	3,770	
60' (18.3M) JIB & 190' (57.9M) BOOM	49	80.8	15,080*				
	50	80.6	15,030*				
	60	78.3	14,550*	80.5	12,960*		
	70	75.9	14,110*	78.2	12,680*	80.3	11,470*
	80	73.5	13,690*	75.8	12,360*	77.9	11,220*
	90	71.1	13,310*	73.4	12,050*	75.5	10,900*
	100	68.7	11,640	70.9	11,640	73.0	10,660*
	110	66.2	9,930	68.4	9,930	70.4	9,930
	120	63.7	8,510	65.9	8,520	67.9	8,520
	130	61.1	7,330	63.3	7,330	65.2	7,340
	140	58.4	6,340	60.6	6,340	62.5	6,350
	150	55.7	5,480	57.8	5,480	59.7	5,490
160	52.8	4,730	54.9	4,730	56.7	4,740	
170	49.9	4,080	51.9	4,080	53.7	4,090	
180	46.8	3,500	48.8	3,510	50.5	3,510	
190	43.5	3,000	45.5	3,000	47.1	3,010	

**LIFT RATINGS IN POUNDS (continued)**

**With 59HI Offset Tip Boom, #9HL Jib and 52,900 Pound Counterweight**

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
60' (18.3M) JIB & 200' (61.0M) BOOM	50	80.9	14,980*				
	60	78.7	14,550*	80.9	12,900*		
	70	76.5	14,130*	78.7	12,670*	80.7	11,330*
	80	74.2	13,770*	76.4	12,410*	78.4	11,260*
	90	71.9	13,380*	74.1	12,090*	76.1	10,980*
	100	69.6	11,380	71.7	11,390	73.7	10,710*
	110	67.2	9,660	69.3	9,660	71.3	9,670
	120	64.8	8,250	66.9	8,250	68.8	8,250
	130	62.3	7,070	64.4	7,080	66.3	7,080
	140	59.8	6,070	61.8	6,070	63.7	6,080
	150	57.2	5,210	59.2	5,210	61.0	5,220
	160	54.5	4,460	56.5	4,460	58.3	4,470
170	51.7	3,810	53.7	3,820	55.4	3,820	
180	48.8	3,240	50.8	3,240	52.5	3,240	
190	45.8	2,730	47.7	2,730	49.3	2,740	
200	42.6	2,270	44.5	2,280	46.0	2,280	
70' (21.3M) JIB & 180' (54.9M) BOOM	50	80.8	11,870*				
	60	78.5	11,420*				
	70	76.1	11,000*	78.8	9,560*		
	80	73.7	10,530*	76.4	9,190*	78.9	8,190*
	90	71.3	10,060*	74.0	8,820*	76.4	7,940*
	100	68.9	9,600*	71.5	8,520*	73.9	7,710*
	110	66.4	9,220*	69.0	8,240*	71.4	7,470*
	120	63.9	8,830	66.4	7,980*	68.8	7,290*
	130	61.3	7,650	63.8	7,650	66.1	7,140*
	140	58.6	6,650	61.1	6,650	63.4	6,660
	150	55.9	5,800	58.4	5,800	60.6	5,810
	160	53.0	5,050	55.5	5,050	57.6	5,060
170	50.0	4,400	52.5	4,400	54.6	4,410	
180	46.9	3,820	49.4	3,830	51.4	3,830	

Boom and Jib Length	Jib Radius (Feet)	5.0 Deg Offset		15.0 Deg Offset		25.0 Deg Offset	
		Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)	Boom Angle	Ratings (Pounds)
70' (21.3M) JIB & 190' (57.9M) BOOM	51	80.9	11,850*				
	60	78.9	11,460*				
	70	76.7	11,060*	79.2	9,620*		
	80	74.4	10,680*	76.9	9,240*	79.3	8,200*
	90	72.1	10,180*	74.6	8,900*	77.0	7,980*
	100	69.7	9,740*	72.3	8,590*	74.6	7,750*
	110	67.4	9,360*	69.9	8,320*	72.2	7,520*
	120	65.0	8,580	67.4	8,040*	69.7	7,340*
	130	62.5	7,400	64.9	7,410	67.2	7,180*
	140	60.0	6,400	62.4	6,410	64.6	6,410
	150	57.4	5,540	59.8	5,540	61.9	5,550
	160	54.7	4,800	57.1	4,800	59.2	4,810
170	51.9	4,140	54.3	4,150	56.3	4,150	
180	49.0	3,580	51.3	3,580	53.3	3,580	
190	46.0	3,060	48.3	3,060	50.2	3,070	
70' (21.3M) JIB & 200' (61.0M) BOOM	53	80.8	11,790*				
	60	79.3	11,490*				
	70	77.2	11,110*	79.6	9,660*		
	80	75.0	10,720*	77.4	9,310*	79.7	8,230*
	90	72.8	10,290*	75.2	8,980*	77.5	8,010*
	100	70.5	9,860*	73.0	8,670*	75.2	7,790*
	110	68.3	9,470*	70.7	8,380*	72.9	7,580*
	120	65.9	8,320	68.3	8,130*	70.5	7,380*
	130	63.6	7,140	66.0	7,140	68.1	7,150
	140	61.2	6,140	63.5	6,140	65.7	6,140
	150	58.7	5,270	61.1	5,280	63.1	5,280
	160	56.2	4,530	58.5	4,540	60.5	4,540
170	53.6	3,870	55.9	3,880	57.8	3,880	
180	50.8	3,310	53.1	3,310	55.0	3,320	
190	48.0	2,790	50.3	2,790	52.1	2,800	
200	45.0	2,340	47.3	2,350	49.0	2,350	