TEREX™
LIFTING

AMERICAN HC 150

Hydraulic Crawler Crane
59 H Boom

LIFT RATINGS IN POUNDS

With 59H Open Throat Boom with 24' Floating Mast and 70,000 Pound Counterweight

Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)
50' (15.2M)	12	81.0	300,000*	56
	15	77.5	220,620*	55
	20	71.5	165,480*	54
	25	65.3	132,380*	52
	30	58.8	110,340*	49
	35	51.7	93,250	46
	40	22.3	77,520	41
	50	43.9	57,690	25
60' (18.3M)	14	80.6	236,210*	66
	15	79.6	220,500*	66
	20	74.7	165,390*	65
	25	69.6	132,300*	63
	30	64.4	110,280*	61
	35	59.0	93,060	58
	40	53.2	77,320	54
	50	39.8	57,490	45
	60	20.3	45,490	27
70' (21.3M)	16	80.3	206,570*	76
	20	76.9	165,300*	75
	25	72.7	132,230*	73
	30	68.3	110,220*	72
	35	63.8	92,800*	69
	40	59.1	77,160	67
	50	48.9	57,320	59
	60	36.7	45,300	48
	70	18.8	37,260	29
80' (24.4M)	17	80.8	194,360*	86
	20	78.6	165,220*	85
	25	74.9	132,150*	84
	30	71.1	110,150*	82
	35	67.3	91,070*	80
	40	63.3	76,940	78
	50	54.9	57,110	72
	60	45.5	45,060	63
	70	34.2	37,020	51
	80	17.5	31,130*	30
90' (27.4M)	19	80.5	173,850*	95
	20	79.9	165,130*	95
	25	76.6	132,080*	94
	30	73.3	110,090*	93
	35	69.9	90,510*	91
	40	66.5	76,780*	89
	50	59.3	56,940	84
	60	51.5	44,900	77
	70	42.8	36,840	67
	80	32.2	31,080	54
	90	16.5	26,280*	32
100' (30.5M)	20	80.9	165,040*	105
	25	78.0	132,000*	104
	30	75.0	107,360*	103
	35	72.0	89,370*	102
	40	69.0	75,650*	100
	50	62.7	56,730	95
	60	56.0	44,670	89
	70	48.7	36,590	81
	80	40.5	30,820	71
	90	30.5	26,490*	57
	100	15.6	22,530*	33
110' (33.5M)	22	80.7	149,880*	115
	25	79.1	131,930*	115
	30	76.4	106,110*	114
	35	73.7	88,310*	112
	40	71.0	74,730*	111
	50	65.3	56,530	107
	60	59.4	44,460	101
	70	53.2	36,370	94
	80	46.3	30,590	86
	90	38.5	26,360*	75
	100	29.0	22,670*	60
	110	14.8	19,270*	34
120' (36.6M)	23	81.0	137,280*	125
	25	80.0	128,040*	125
	30	77.6	104,860*	124
	35	75.1	87,220*	123
	40	72.6	73,770*	121
	50	67.5	56,300	117
	60	62.2	44,210	113
	70	56.7	36,130	107
	80	50.7	30,740*	99
	90	44.2	25,980*	90
	100	36.8	22,650*	78
	110	27.8	19,390*	62
	120	14.2	16,480*	36
130' (39.6M)	25	80.8	123,650*	135
	30	78.5	103,960*	134
	35	76.3	86,440*	133
	40	74.0	73,090*	132
	50	69.3	55,790*	128
	60	64.5	44,020	124
	70	59.5	35,930	119
	80	54.2	30,120	112
	90	48.6	25,750*	104
	100	42.4	22,560*	94
	110	35.3	19,360*	81
	120	26.6	16,670*	65
	130	13.6	14,260*	37
140' (42.7M)	27	80.6	111,470*	145
	30	79.4	102,900*	144
	35	77.3	85,490*	143
	40	75.2	72,240*	142
	50	70.9	55,050*	139
	60	66.5	43,780	135
	70	61.9	35,670	130
	80	57.2	29,880	124
	90	52.1	25,270*	117
	100	46.7	22,150*	108
	110	40.8	19,020*	98
	120	34.0	16,430*	84
	130	25.6	14,210*	67
	140	13.1	12,200*	38
150' (45.7M)	28	80.8	97,550*	155
	30	80.1	96,900*	154
	35	78.1	84,720*	153
	40	76.2	71,540*	152
	50	72.2	54,460 *	149
	60	68.1	43,560	146
150' (con't)	70	63.9	35,330*	141
	80	59.6	29,480*	136
	90	55.0	24,870*	129
	100	50.2	21,810*	122
	110	45.0	18,720*	112
	120	39.3	16,160*	101
	130	32.8	14,010*	87
	140	24.8	12,160*	69
	150	12.7	10,460*	39
160' (48.8M)	30	80.7	84,250*	165
	35	78.9	82,940*	164
	40	77.1	70,760*	163
	50	73.3	53,760*	160
	60	69.6	42,950*	157
	70	65.7	34,730*	152
	80	61.7	28,930*	147
	90	57.5	24,360*	141
	100	53.2	21,340*	134
	110	48.5	18,270*	126
	120	43.5	15,750*	116
	130	38.0	13,650*	105
	140	31.7	11,850*	90
	150	24.0	10,280*	71
	160	12.3	8,870*	40
170' (51.8M)	31	80.9	73,490*	175
	35	79.6	72,520*	174
	40	77.8	70,230*	173
	50	74.3	53,300*	170
	60	70.8	42,540*	167
	70	67.2	34,350*	163
	80	63.5	28,590*	159
	90	59.6	24,040*	153
	100	55.6	21,040*	147
	110	51.4	18,000*	139
	120	47.0	15,500*	131
	130	42.1	13,410*	120
	140	36.8	11,630*	108
	150	30.7	10,110*	93
	160	23.2	8,750*	73
	170	11.9	7,530*	41
180' (54.9M)	33	80.8	63,970*	184
	35	80.1	63,510*	184
	40	78.5	62,460*	183
	50	75.2	52,640*	181
	60	71.9	41,910*	178
	70	68.5	33,760*	174
	80	65.1	28,040*	170
	90	61.5	23,510*	165
	100	57.8	20,530*	159
	110	53.9	17,510*	152
	120	49.9	15,030*	144
	130	45.6	12,970*	135
	140	40.9	11,210*	124
	150	35.7	9,710*	111
	160	29.8	8,400*	96
	170	22.5	7,270*	75
	180	11.5	6,210*	42

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom with 24’ Floating Mast and 70,000 Pound Counterweight

Boom Length	Radius (Feet)	Boom Angle (Degrees)	Side Frames Extended (Pounds)	From Boom Pt. to Ground (Feet)
190' (57.9M)	34	81.0	56,330*	194
	35	80.7	56,040*	194
	40	79.1	55,140*	193
	50	76.0	51,110*	191
	60	72.9	41,410*	188
	70	69.7	33,290*	185
	80	66.5	27,610*	181
	90	63.1	23,100*	176
	100	59.7	20,130*	170
	110	56.1	17,120*	164
	120	52.4	14,650*	157
	130	48.5	12,610*	149
	140	44.3	10,860*	139
	150	39.8	9,380*	128
	160	34.8	8,080*	115
	170	29.0	6,970*	98
	180	21.9	6,960*	77
	190	11.2	5,040*	43
200' (61.0M)	36	80.8	49,550*	204
	40	79.7	48,810*	203
	50	76.7	46,380*	201
	60	73.8	40,800*	199
	70	70.8	32,700*	195
	80	67.7	27,060*	192
	90	64.6	22,560*	187
	100	61.3	19,600*	182
	110	58.0	16,610*	176
	120	54.6	14,160*	169
	130	51.0	12,120*	162
	140	47.2	10,400*	153
	150	43.1	8,920*	143
	160	38.7	7,670*	131
	170	33.8	6,530*	118
	180	28.3	5,550*	101
	190	21.4	4,700*	79
	200	10.9	3,910*	44
210' (64.0M)	38	80.7	43,470*	214
	40	80.2	43,200*	214
	50	77.4	40,370*	212
	60	74.6	37,830*	209
	70	71.7	32,330*	206
	80	68.8	27,710*	202
	90	65.9	23,480*	198
	100	62.8	19,280*	193
210’ (con’t)	110	59.7	16,300*	188
	120	56.5	13,850*	182
	130	53.1	11,820*	174
	140	49.6	10,100*	166
	150	46.0	8,630*	157
	160	42.0	7,360*	147
	170	37.7	6,270*	135
	180	33.0	5,290*	121
	190	27.5	4,420*	103
	200	20.8	3,650*	81
	210	10.7	2,960*	45
220' (67.1M)	39	80.9	38,600*	224
	40	80.6	38,460*	224
	50	78.0	35,810*	222
	60	75.3	33,580*	219
	70	72.6	31,060*	217
	80	69.8	26,180*	213
	90	67.0	22,460*	209
	100	64.2	18,750*	205
	110	61.2	15,780*	199
	120	58.2	13,350*	193
	130	55.1	11,320*	187
	140	51.8	9,610*	179
	150	48.4	8,150*	171
	160	44.8	6,920*	161
	170	41.0	5,790*	151
	180	36.8	4,850*	138
	190	32.2	3,990*	124
	200	26.9	3,240*	106
	210	20.4	2,570*	83
	220	10.4	1,970*	46
230' (70.1M)	41	80.8	34,150*	234
	50	78.5	32,110*	232
	60	75.9	29,660*	230
	70	73.4	26,630*	227
	80	70.7	24,740*	224
	90	68.1	22,040*	220
	100	65.4	18,440*	216
	110	62.6	15,370*	211
	120	59.7	12,950*	205
	130	56.8	10,940*	199
	140	53.8	9,230*	192
	150	50.6	7,780*	184
	160	47.3	6,540*	175
230’ (con’t)	170	43.8	5,430*	165
	180	40.0	4,470*	154
	190	36.0	3,630*	141
	200	31.5	2,870*	126
	210	26.3	2,210*	108
	220	19.9	1,610*	84
	230	10.2	1,090*	47
240' (73.2M)	42	80.9	29,940*	244
	50	79.0	27,520*	242
	60	76.5	25,470*	240
	70	74.1	23,600*	237
	80	71.6	21,700*	234
	90	69.0	19,100*	231
	100	66.4	17,800*	227
	110	63.8	14,850*	222
	120	61.1	12,430*	217
	130	58.3	10,430*	211
	140	55.5	8,730*	204
	150	52.5	7,280*	197
	160	49.5	6,030*	189
	170	46.2	4,940*	180
	180	42.8	3,900*	169
	190	39.2	3,160*	158
	200	35.2	2,410*	145
	210	30.8	1,760*	129
	220	25.7	1,170*	110
250' (76.2M)	44	80.8	24,300*	254
	50	79.4	23,650*	253
	60	77.1	21,840*	250
	70	74.7	20,400*	248
	80	72.3	19,020*	245
	90	69.9	17,120*	242
	100	67.4	15,880*	238
	110	64.9	14,000*	233
	120	62.4	11,520*	228
	130	59.8	9,880*	223
	140	57.1	7,800*	217
	150	54.3	6,620*	210
	160	51.4	5,490*	202
	170	48.4	4,290*	194
	180	45.2	3,310*	184
	190	41.9	2,620*	174
	200	38.3	1,800*	162
	210	34.5	1,280*	148

LIFT RATINGS IN POUNDS

With 59HI Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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 & 100' (30.5M) BOOM	30	80.7	22,540*				
	35	78.6	22,540*				
	40	76.5	22,490*	79.2	21,240*		
	50	72.3	21,760*	75.0	20,730*	77.5	19,810*
	60	68.0	21,080*	70.6	20,160*	73.1	19,480*
	70	63.5	20,540*	66.1	19,750*	68.5	18,320*
	80	58.8	20,050*	61.4	19,320*	63.7	16,970*
	90	53.9	19,580*	56.4	19,030*	58.6	15,860*
	100	48.6	19,160*	51.1	18,040*	53.2	14,930*
40' (12.2M) JIB & 110' (33.5M) BOOM	31	80.9	22,530*				
	35	79.4	22,530*				
	40	77.4	22,530*	80.0	21,340*		
	50	73.5	21,920*	76.0	20,820*	78.4	19,900*
	60	69.5	21,270*	72.0	20,320*	74.3	19,530*
	70	65.4	20,790*	67.8	19,870*	70.1	18,860*
	80	61.1	20,220*	63.5	19,530*	65.7	17,540*
	90	56.6	19,850*	59.0	19,160*	61.1	16,350*
	100	51.9	19,400*	54.2	18,830*	56.2	15,410*
	110	46.8	19,060*	49.1	17,570*	51.0	14,640*
40' (12.2M) JIB & 120' (36.6M) BOOM	33	80.7	22,520*				
	35	80.0	22,520*				
	40	78.2	22,520*	80.6	21,450*		
	50	74.6	22,080*	76.9	20,870*	79.1	19,990*
	60	70.8	21,530*	73.2	20,470*	75.3	19,580*
	70	67.0	20,930*	69.3	20,050*	71.4	19,260*
	80	63.1	20,500*	65.3	19,680*	67.4	18,010*
	90	59.0	20,030*	61.2	19,300*	63.2	16,850*
	100	54.7	19,600*	56.9	19,050*	58.8	15,900*
	110	50.1	19,300*	52.3	18,270*	54.1	15,040*
	120	45.3	18,060	47.4	17,190*	49.1	14,400*
40' (12.2M) JIB & 130' (39.6M) BOOM	34	80.9	22,500*				
	35	80.6	22,500*				
	40	78.9	22,500*				
	50	75.5	22,230*	77.7	21,020*	79.8	20,000*
	60	72.0	21,690*	74.2	20,530*	76.2	19,720*
	70	68.4	21,140*	70.6	20,110*	72.6	19,400*
	80	64.8	20,660*	66.9	19,810*	68.9	18,410*
	90	61.0	20,220*	63.1	19,470*	65.0	17,270*
	100	57.0	19,810*	59.1	19,200*	61.0	16,340*
	110	52.9	19,440*	55.0	18,950*	56.7	15,470*
	120	48.5	17,820	50.5	17,820	52.2	14,800*
	130	43.8	15,960	45.8	15,970	47.4	14,190*
40' (12.2M) JIB & 140' (42.7M) BOOM	36	80.8	22,490*				
	40	79.5	22,490*				
	50	76.3	22,390*	78.4	21,090*	80.4	20,070*
	60	73.0	21,780*	75.1	20,680*	77.0	19,770*
	70	69.7	21,340*	71.7	20,290*	73.6	19,460*
	80	66.2	20,790*	68.3	19,920*	70.1	18,870*
	90	62.7	20,400*	64.7	19,610*	66.5	17,680*
	100	59.1	20,040*	61.1	19,280*	62.8	16,740*
	110	55.3	19,640*	57.2	19,040*	58.9	15,920*
	120	51.3	17,550	53.2	17,550	54.9	15,170*
	130	47.1	15,680	49.0	15,690	50.5	14,530*
	140	42.5	14,120	44.3	14,120	45.8	14,000*
40' (12.2M) JIB & 150' (45.7M) BOOM	37	81.0	22,470*				
	40	80.1	22,470*				
	50	77.0	22,460*	79.0	21,160*	80.9	20,150*
	60	73.9	21,970*	75.9	20,740*	77.7	19,830*
	70	70.8	21,430*	72.7	20,370*	74.5	19,520*
	80	67.6	20,990*	69.5	20,020*	71.3	19,220*
	90	64.3	20,550*	66.2	19,650*	67.9	18,140*
	100	60.9	20,140*	62.8	19,360*	64.4	17,160*
	110	57.4	19,520	59.2	19,170*	60.9	16,240*
	120	53.7	17,290	55.5	17,290	57.1	15,550*
	130	49.8	15,430	51.6	15,440	53.1	14,900*
	140	45.7	13,860	47.5	13,860	48.9	13,860
	150	41.3	12,510	43.0	12,520	44.4	12,520
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	21,240*		
	60	74.7	22,060*	76.6	20,800*	78.4	19,820*
	70	71.8	21,540*	73.6	20,460*	75.4	19,580*
	80	68.7	21,110*	70.6	20,110*	72.3	19,300*

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' & 160' (con't)	90	65.6	20,690*	67.5	19,820*	69.1	18,460*
	100	62.5	20,310*	64.3	19,500*	65.9	17,480*
	110	59.2	19,260	61.0	19,260	62.5	16,660*
	120	55.8	17,030	57.5	17,030	59.1	15,880*
	130	52.2	15,160	54.0	15,160	55.4	15,160
	140	48.5	13,590	50.2	13,590	51.6	13,590
	150	44.5	12,230	46.2	12,230	47.5	12,240
	160	40.2	11,070	41.8	11,070	43.0	11,070
40' (12.2M) JIB & 170' (51.8M) BOOM	41	80.8	22,450*				
	50	78.3	22,450*	80.1	21,330*		
	60	75.5	22,150*	77.3	20,900*	79.0	19,890*
	70	72.7	21,750*	74.4	20,550*	76.1	19,580*
	80	69.8	21,320*	71.6	20,200*	73.2	19,390*
	90	66.9	20,900*	68.6	19,850*	70.2	18,870*
	100	63.9	20,520*	65.6	19,630*	67.1	17,860*
	110	60.8	19,020	62.5	19,020	64.0	16,980*
	120	57.6	16,780	59.3	16,780	60.8	16,230*
	130	54.3	14,920	56.0	14,920	57.4	14,920
	140	50.9	13,340	52.5	13,340	53.9	13,340
	150	47.2	11,990	48.8	11,990	50.1	12,000
	160	43.4	10,820	44.9	10,820	46.2	10,820
	170	39.2	9,800	40.7	9,810	41.8	9,810
40' (12.2M) JIB & 180' (54.9M) BOOM	42	80.9	22,430*				
	50	78.8	22,430*	80.5	21,340*		
	60	76.2	22,250*	77.9	21,000*	79.5	19,900*
	70	73.5	21,860*	75.2	20,640*	76.8	19,680*
	80	70.7	21,430*	72.4	20,290*	74.0	19,400*
	90	68.0	20,510*	69.6	19,710*	71.2	18,960*
	100	65.1	19,430*	66.8	18,860*	68.3	18,190*
	110	62.2	18,410*	63.9	17,930*	65.3	17,280*
	120	59.2	16,510	60.9	16,510	62.3	16,520
	130	56.2	14,650	57.8	14,650	59.1	14,660
	140	53.0	13,070	54.5	13,070	55.9	13,080
	150	49.6	11,710	51.2	11,710	52.4	11,720
	160	46.1	10,550	47.6	10,550	48.8	10,550
	170	42.3	9,530	43.8	9,530	44.9	9,540
	180	38.2	8,630	39.7	8,630	40.7	8,640
40' (12.2M) JIB & 190' (57.9M) BOOM	44	80.8	22,420*				
	50	79.3	21,820*	81.0	20,210*		
	60	76.8	20,720*	78.4	19,490*	79.9	18,210*
	70	74.2	19,660*	75.8	18,670*	77.4	17,640*
	80	71.6	18,580*	73.2	17,810*	74.7	17,000*
	90	69.0	17,540*	70.6	16,920*	72.0	16,280*
	100	66.3	16,580*	67.9	16,090*	69.3	15,610*
	110	63.5	15,620*	65.1	15,240*	66.5	14,860*
	120	60.7	14,660*	62.3	14,410*	63.7	14,080*
	130	57.8	13,800*	59.4	13,620*	60.7	13,390*
	140	54.8	12,810	66.3	12,820	57.6	12,620*
	150	51.7	11,450	53.2	11,460	54.5	11,460
	160	48.4	10,290	49.9	10,290	51.1	10,290
	170	45.0	9,260	46.4	9,260	47.6	9,270
	180	41.3	8,370	42.7	8,370	43.8	8,370
	190	37.4	7,560	38.7	7,570	39.7	7,570
40' (12.2M) JIB & 200' (61.0M) BOOM	45	81.0	19,540*				
	50	79.7	19,060*				
	60	77.3	17,950*	78.9	16,940*	80.4	15,870*
	70	74.9	16,910*	76.4	16,110*	77.9	15,320*
	80	72.4	15,900*	74.0	15,290*	75.4	14,680*
	90	69.9	14,930*	71.4	14,530*	72.8	14,000*
	100	67.3	14,010*	68.9	13,690*	70.2	13,280*
	110	64.7	13,160*	66.2	12,880*	67.6	12,610*
	120	62.0	12,320*	63.6	12,140*	64.9	11,900*
	130	59.3	11,520*	60.8	11,400*	62.1	11,190*
	140	56.5	10,720*	58.0	10,670*	69.2	10,520*
	150	53.6	10,000*	55.0	9,930*	56.2	9,850*
	160	50.5	9,230*	62.0	9,250*	53.1	9,180*
	170	47.3	8,520*	48.8	8,550*	49.9	8,540*
	180	44.0	7,810*	45.4	7,850*	46.4	7,850*
	190	40.4	7,090*	41.8	7,140*	42.8	7,170*
	200	36.5	6,330*	37.8	6,440*	38.7	6,480*

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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 & 210' (64.0M) BOOM	47	80.9	16,930*				
	50	80.2	16,590*				
	60	77.8	15,540*	79.4	14,710*	80.8	13,840*
	70	75.5	14,570*	77.0	13,920*	78.4	13,260*
	80	73.1	13,580*	74.6	13,130*	76.0	12,640*
	90	70.7	12,670*	72.2	12,360*	73.6	12,000*
	100	68.3	11,850*	69.8	11,680*	71.1	11,310*
	110	65.8	11,020*	67.3	10,840*	68.6	10,650*
	120	63.3	10,230*	64.7	10,130*	66.0	9,970*
	130	60.7	9,530*	62.1	9,430*	63.4	9,340*
	140	58.0	8,790*	59.4	8,750*	60.6	8,720*
	150	55.2	8,120*	56.6	8,120*	57.8	8,090*
	160	52.4	7,440*	53.8	7,490*	54.9	7,470*
	170	49.4	6,800*	50.8	6,850*	51.9	6,870*
	180	46.3	6,160*	47.7	6,250*	48.7	6,270*
	190	43.1	5,530*	44.4	5,610*	45.4	5,660*
	200	39.6	4,900*	40.8	5,010*	41.8	5,050*
	210	35.8	4,250*	37.0	4,360*	37.8	4,410*
40' (12.2M) JIB & 220' (67.1M) BOOM	48	81.0	14,610*				
	50	80.5	14,440*				
	60	78.3	13,400*	79.8	12,800*		
	70	76.1	12,420*	77.5	11,970*	78.9	11,480*
	80	73.8	11,550*	75.2	11,210*	76.6	10,820*
	90	71.5	10,660*	72.9	10,450*	74.2	10,150*
	100	69.1	9,880*	70.6	9,730*	71.9	9,500*
	110	66.8	9,080*	68.2	9,000*	69.5	8,870*
	120	64.4	8,370*	65.8	8,300*	67.0	8,240*
	130	61.9	7,690*	63.3	7,680*	64.5	7,620*
	140	59.4	7,040*	60.7	7,060*	61.9	7,020*
	150	56.8	6,410*	58.1	6,460*	59.3	6,460*
	170	51.3	5,220*	52.6	5,300*	53.7	5,330*
	180	48.4	4,640*	49.7	4,750*	50.8	4,780*
	190	45.4	4,080*	46.7	4,190*	47.7	4,240*
	200	42.2	3,530*	43.4	3,640*	44.4	3,710*
	210	38.7	2,960*	40.0	3,080*	40.8	3,160*
	220	35.0	2,390*	36.2	2,510*	37.0	2,580*
40' (12.2M) JIB & 230' (70.1M) BOOM	50	80.9	12,470*				
	60	78.7	11,500*	80.2	11,030*		
	70	76.6	10,600*	78.0	10,250*	79.3	9,860*
	80	74.4	9,690*	75.8	9,470*	77.1	9,220*
	90	72.2	8,860*	73.6	8,760*	74.8	8,540*
	100	70.0	8,100*	71.3	8,020*	72.6	7,900*
	110	67.7	7,380*	69.0	7,340*	70.3	7,300*
	120	65.4	6,710*	66.7	6,720*	67.9	6,690*
	130	63.0	6,060*	64.4	6,100*	65.5	6,110*
	140	60.6	5,470*	61.9	5,510*	63.1	5,550*
	150	58.1	4,880*	59.5	4,950*	60.6	4,990*
	160	55.6	4,310*	56.9	4,400*	58.0	4,470*
	170	53.0	3,790*	54.3	3,880*	55.3	3,960*
	180	50.3	3,270*	51.5	3,380*	52.6	3,450*
	190	47.4	2,760*	48.7	2,890*	49.7	2,960*
	200	44.5	2,260*	45.7	2,380*	46.7	2,480*
	210	41.3	1,760*	42.5	1,900*	43.4	1,980*
	220	38.0	1,270*	39.2	1,400*	40.0	1,480*
	230	34.4	770*	35.5	890*	36.2	970*
40' (12.2M) JIB & 240' (73.2M) BOOM	52	80.8	10,550*				
	60	79.2	9,780*	80.5	9,460*		
	70	77.1	8,880*	78.4	8,670*	79.7	8,420*
	80	75.0	8,040*	76.3	7,930*	77.6	7,750*
	90	72.8	7,260*	74.2	7,200*	75.4	7,110*
	100	70.7	6,510*	72.0	6,500*	73.2	6,460*
	110	68.5	5,820*	69.8	5,870*	71.0	5,860*
	120	66.3	5,180*	67.6	5,260*	68.8	5,260*
	130	64.1	4,570*	65.4	4,670*	66.5	4,710*
	140	61.8	4,010*	63.0	4,110*	64.2	4,180*
	150	59.4	3,470*	60.7	3,580*	61.8	3,660*
	160	57.0	2,960*	58.3	3,080*	59.3	3,170*
	170	54.5	2,460*	55.8	2,690*	56.8	2,680*
	180	52.0	1,990*	53.2	2,110*	54.2	2,220*
	190	49.3	1,520*	50.5	1,660*	51.5	1,760*
	200	46.5	1,070*	47.7	1,210*	48.7	1,320*
	210	43.6	630*	44.8	770*	45.7	870*

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 & 250' (76.2M) BOOM	53	80.9	8,930*				
	60	79.5	8,260*	80.8	8,050*		
	70	77.5	7,360*	78.8	7,270*	80.0	7,100*
	80	75.5	6,550*	76.8	6,520*	78.0	6,440*
	90	73.5	5,770*	74.7	5,810*	75.9	5,790*
	100	71.4	5,070*	72.7	5,130*	73.8	5,150*
	110	69.3	4,410*	70.6	4,510*	71.7	4,560*
	120	67.2	3,810*	68.4	3,910*	69.6	4,000*
	130	65.0	3,240*	66.3	3,360*	67.4	3,440*
	140	62.8	2,700*	64.1	2,830*	65.2	2,940*
	150	60.6	2,180*	61.8	2,330*	62.9	2,440*
	160	58.3	1,700*	59.5	1,850*	60.6	1,970*
	170	55.9	1,230*	57.1	1,390*	58.2	1,520*
	180	53.5	800*	54.7	960*	55.7	1,080*
50' (15.2M) JIB & 130' (39.6M) BOOM	37	80.8	20,570*				
	40	79.8	20,430*				
	50	76.6	19,680*	79.2	17,970*		
	60	73.3	18,980*	75.9	17,510*	78.4	16,240*
	70	69.9	18,360*	72.5	17,010*	74.9	15,900*
	80	66.5	17,800*	69.1	16,610*	71.4	15,600*
	90	63.0	17,220*	65.5	16,170*	67.8	14,600*
	100	59.3	16,720*	61.9	15,700*	64.1	13,740*
	110	55.6	16,190*	58.0	15,260*	60.2	13,010*
	120	51.6	15,710*	54.0	14,890*	56.1	12,370*
	130	47.3	15,240*	49.7	14,210*	51.7	11,850*
50' (15.2M) JIB & 140' (42.7M) BOOM	38	80.9	20,560*				
	40	80.3	20,410*				
	50	77.3	19,730*	79.8	17,950*		
	60	74.2	19,130*	76.7	17,660*	79.0	16,210*
	70	71.0	18,530*	73.5	17,080*	75.8	15,940*
	80	67.8	17,910*	70.3	16,690*	72.5	15,700*
	90	64.5	17,430*	66.9	16,260*	69.1	14,920*
	100	61.1	16,890*	63.6	16,900*	66.7	14,060*
	110	57.6	16,470*	60.0	15,500*	62.1	13,350*
	120	53.9	16,000*	56.3	15,100*	58.3	12,680*
	130	50.1	15,540*	52.4	14,690*	54.3	12,150*
	140	46.0	14,220	48.2	3,920*	50.1	11,670*
50' (15.2M) JIB & 150' (45.7M) BOOM	40	80.8	20,400*				
	50	77.9	19,800*	80.3	17,940*		
	60	75.0	19,220*	77.4	17,550*	79.6	16,170*
	70	72.0	18,620*	74.4	17,140*	76.5	15,930*
	80	69.0	18,090*	71.3	16,760*	73.4	15,700*
	90	65.9	17,560*	68.2	16,420*	70.3	15,240*
	100	62.7	17,110*	65.0	16,080*	67.0	14,380*
	110	59.4	16,650*	61.7	16,650*	63.7	13,610*
	120	56.0	16,220*	58.2	15,270*	60.2	12,980*
	130	52.6	15,640	54.7	14,910*	56.5	12,400*
	140	48.7	13,960	50.9	13,960	52.7	11,920*
	150	44.7	12,610	46.9	12,610	48.6	11,510*
50' (15.2M) JIB & 160' (48.8M) BOOM	41	81.0	20,320*				
	50	78.6	19,850*	80.8	17,940*		
	60	75.7	19,220*	78.0	17,540*	80.1	16,170*
	70	72.9	18,710*	75.1	17,210*	77.2	15,920*
	80	70.0	18,180*	72.2	16,830*	74.3	15,700*
	90	67.1	17,730*	69.3	16,500*	71.3	15,500*
	100	64.1	17,230*	66.3	16,110*	68.2	14,700*
	110	61.0	16,800*	63.2	15,820*	65.1	13,950*
	120	57.8	16,400*	60.0	15,420*	61.8	13,250*
	130	54.6	15,260	56.6	15,090*	58.5	12,680*
	140	51.1	13,690	53.2	13,690	54.9	12,190*
	150	47.5	12,330	49.5	12,330	51.2	11,750*
	160	43.6	11,170	45.6	11,170	47.2	11,170
50' (15.2M) JIB & 170' (51.8M) BOOM	43	80.9	20,140*				
	50	79.0	19,780*				
	60	76.4	19,320*	78.5	17,540*	80.6	16,110*
	70	73.7	18,790*	75.8	17,200*	77.8	15,930*
	80	71.0	18,280*	73.1	16,830*	75.1	15,700*
	90	68.2	17,830*	70.3	16,510*	72.2	15,500*
	100	65.4	17,350*	67.4	16,200*	69.3	14,980*
	110	62.5	16,940*	64.5	15,920*	66.4	14,220*
	120	69.6	16,560*	61.6	16,610*	63.3	13,520*
	130	56.4	15,020	58.4	15,020	60.2	12,970*

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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' & 170' (con't)	140	53.2	13,440	55.2	13,440	56.9	12,420*
	150	49.8	12,080	61.8	12,090	63.4	12,020*
	160	46.3	10,920	48.2	10,920	49.8	10,920
	170	42.5	9,900	44.4	9,900	45.9	9,910
50' (15.2M) JIB & 180' (54.9M) BOOM	45	80.8	20,050*				
	50	79.5	19,800*				
	60	77.0	19,330*	79.0	17,480*	81.0	14,550*
	70	74.4	18,800*	76.5	17,210*	78.4	14,550*
	80	71.8	18,360*	73.9	16,900*	75.7	14,550*
	90	69.2	17,860*	71.2	16,540*	73.1	14,550*
	100	66.5	17,460*	68.5	16,210*	70.3	14,550*
	110	63.7	17,060*	65.7	15,940*	67.5	14,480*
	120	60.9	16,610	62.9	15,700*	64.6	13,780*
	130	58.0	14,750	60.0	14,760	61.7	13,230*
	140	55.0	13,170	57.0	13,180	58.6	12,690*
	150	51.9	11,810	53.8	11,820	55.4	11,820
	160	48.6	10,650	50.5	10,660	52.1	10,650
	170	45.2	9,620	47.0	9,620	48.5	9,630
	180	41.5	8,730	43.3	8,730	44.7	8,730
50' (15.2M) JIB & 190' (57.9M) BOOM	46	80.9	19,900*				
	50	80.0	19,660*				
	60	77.5	19,260*	79.5	17,420*		
	70	75.1	18,820*	77.0	17,140*	78.9	15,740*
	80	72.6	17,780*	74.6	16,770*	76.4	15,580*
	90	70.1	16,860*	72.0	16,070*	73.8	15,190*
	100	67.5	15,890*	69.5	15,250*	71.2	14,650*
	110	64.9	16,030*	66.8	14,520*	68.5	13,960*
	120	62.3	14,150*	64.1	13,740*	65.8	13,290*
	130	59.6	13,330*	61.4	13,030*	63.0	12,670*
	140	56.7	12,540*	58.6	12,290*	60.2	12,030*
	150	53.8	11,560	55.6	11,560	57.2	11,400*
	160	50.7	10,390	52.6	10,390	54.0	10,390
	170	47.6	9,360	49.3	9,360	50.8	9,370
	180	44.2	8,460	45.9	8,470	47.3	8,470
	190	40.6	7,660	42.3	7,660	43.6	7,670
50' (15.2M) JIB & 200' (61.0M) BOOM	48	80.8	18,440*				
	50	80.4	18,250*				
	60	78.0	17,250*	79.9	15,910*		
	70	75.7	16,250*	77.6	15,220*	79.3	14,150*
	80	73.3	15,260*	75.2	14,490*	76.9	13,600*
	90	70.9	14,360*	72.8	13,740*	74.5	13,050*
	100	68.5	13,510*	70.3	13,040*	72.0	12,500*
	110	66.0	12,660*	67.8	12,300*	69.5	11,880*
	120	63.5	11,870*	65.3	11,610*	66.9	11,260*
	130	60.9	11,140*	62.7	10,930*	64.3	10,660*
	140	58.2	10,420*	60.0	10,230*	61.5	10,040*
	150	55.4	9,690*	57.2	9,620*	58.7	9,450*
	160	52.6	9,000*	54.3	8,980*	55.8	8,880*
	170	49.6	8,330*	51.4	8,330*	52.8	8,280*
	180	46.5	7,660*	48.2	7,700*	49.6	7,700*
	190	43.2	7,000*	44.9	7,080*	46.2	7,090*
	200	39.7	6,340*	41.4	6,430*	42.6	6,470*
50' (15.2M) JIB & 210' (64.0M) BOOM	49	81.0	16,000*				
	50	80.7	15,950*				
	60	78.6	14,930*	80.3	13,880*		
	70	76.2	13,970*	78.1	13,170*	79.8	12,280*
	80	74.0	13,110*	75.8	12,470*	77.5	11,780*
	90	71.7	12,210*	73.5	11,740*	75.1	11,230*
	100	69.3	11,430*	71.1	11,040*	72.8	10,660*
	110	67.0	10,640*	68.7	10,400*	70.3	10,060*
	120	64.5	9,900*	66.3	9,730*	67.9	9,470*
	130	62.1	9,220*	63.8	9,070*	65.4	8,890*
	140	59.5	8,520*	61.3	8,470*	62.8	8,340*
	150	56.9	7,900*	58.7	7,860*	60.1	7,790*
	160	54.3	7,280*	56.0	7,260*	57.4	7,230*
	170	51.5	6,660*	53.2	6,710*	54.6	6,690*
	180	48.6	6,070*	50.2	6,130*	51.6	6,160*
	190	45.6	5,490*	47.2	5,570*	48.5	5,600*
	200	42.4	4,910*	43.9	5,010*	45.2	5,060*
	210	38.9	4,320*	40.5	4,450*	41.6	4,500*

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 & 220' (67.1M) BOOM	51	80.9	13,770*				
	60	78.9	12,920*	80.7	12,070*		
	70	76.8	12,010*	78.5	11,340*	80.2	10,670*
	80	74.6	11,130*	76.3	10,670*	77.9	10,120*
	90	72.4	10,280*	74.1	9,970*	75.7	9,570*
	100	70.1	9,520*	71.9	9,290*	73.4	9,010*
	110	67.9	8,780*	69.6	8,620*	71.1	8,420*
	120	65.6	8,100*	67.3	8,020*	68.8	7,850*
	130	63.2	7,450*	64.9	7,420*	66.4	7,300*
	140	60.8	6,830*	62.5	6,840*	63.9	6,760*
	150	58.3	6,270*	60.0	6,270*	61.4	6,240*
	160	55.8	5,660*	57.4	5,720*	58.8	5,720*
	170	53.2	5,110*	54.8	5,200*	56.2	5,230*
	180	50.5	4,600*	52.1	4,680*	53.4	4,710*
	190	47.6	4,070*	49.2	4,160*	50.5	4,230*
	200	44.7	3,550*	46.2	3,670*	47.4	3,750*
	210	41.5	3,040*	43.0	3,160*	44.2	3,250*
	220	38.2	2,520*	39.6	2,660*	40.7	2,740*
50' (15.2M) JIB & 230' (70.1M) BOOM	52	81.0	11,860*				
	60	79.3	11,090*				
	70	77.2	10,190*	78.9	9,760*	80.5	9,190*
	80	76.1	9,370*	76.8	9,050*	78.4	8,650*
	90	73.0	8,580*	74.7	8,380*	76.2	8,110*
	100	70.9	7,840*	72.5	7,710*	74.1	7,510*
	110	68.7	7,140*	70.3	7,090*	71.9	6,950*
	120	66.5	6,600*	68.1	6,490*	69.6	6,420*
	130	64.2	5,890*	65.9	5,920*	67.3	5,870*
	140	61.9	5,310*	63.5	5,350*	65.0	5,360*
	150	59.6	4,760*	61.2	4,820*	62.6	4,860*
	160	57.2	4,240*	58.8	4,330*	60.1	4,380*
	170	54.7	3,720*	56.3	3,830*	57.6	3,910*
	180	52.1	3,240*	53.7	3,350*	55.0	3,440*
	190	49.5	2,760*	51.0	2,890*	52.3	2,980*
	200	46.7	2,300*	48.2	2,440*	49.4	2,540*
	210	43.8	1,850*	45.3	1,990*	46.4	2,090*
	220	40.7	1,390*	42.2	1,530*	43.3	1,640*
	230	37.4	930*	38.8	1,080*	39.9	1,180*
50' (15.2M) JIB & 240' (73.2M) BOOM	54	80.9	10,010*				
	60	79.7	9,470*				
	70	77.7	8,568*	79.3	8,260*	80.9	7,880*
	80	75.7	7,770*	77.3	7,570*	78.8	7,310*
	90	73.6	7,010*	75.2	6,910*	76.7	6,740*
	100	71.6	6,320*	73.2	6,260*	74.6	6,180*
	110	69.5	5,640*	71.1	5,650*	72.5	5,640*
	120	67.3	5,050*	68.9	5,090*	70.4	5,090*
	130	65.2	4,450*	66.8	4,540*	68.2	4,570*
	140	63.0	3,910*	64.5	4,030*	65.9	4,080*
	150	60.7	3,390*	62.3	3,520*	63.7	3,590*
	160	58.4	2,900*	60.0	3,040*	61.3	3,130*
	170	56.1	2,440*	57.6	2,580*	58.9	2,690*
	180	53.7	1,980*	55.2	2,130*	56.4	2,250*
	190	51.2	1,550*	52.6	1,710*	53.9	1,820*
	200	48.6	1,130*	50.0	1,290*	51.2	1,410*
	210	45.8	710*	47.3	880*	48.4	1,000*
50' (15.2M) JIB & 250' (76.2M) BOOM	56	80.8	8,340*				
	60	80.0	7,970*				
	70	78.1	7,130*	79.7	6,940*		
	80	76.2	6,320*	77.7	6,250*	79.2	6,120*
	90	74.2	5,590*	75.7	5,590*	77.2	5,530*
	100	72.2	4,910*	73.7	4,960*	75.2	4,970*
	110	70.2	4,280*	71.7	4,380*	73.1	4,420*
	120	68.1	3,700*	69.7	3,810*	71.1	3,890*
	130	66.1	3,150*	67.6	3,280*	69.0	3,390*
	140	64.0	2,630*	65.5	2,790*	66.8	2,910*
	150	61.8	2,150*	63.3	2,310*	64.6	2,440*
	160	59.6	1,680*	61.1	1,860*	62.4	2,000*
	170	57.4	1,240*	58.8	1,430*	60.1	1,560*
	180	55.1	820*	56.5	1,010*	57.8	1,150*

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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	80.9	15,340*				
	50	78.7	14,920*				
	60	76.0	14,340*	78.7	12,930*		
	70	73.1	13,790*	75.8	12,500*	78.4	11,310*
	80	70.3	13,300*	72.9	12,010*	75.4	10,960*
	90	67.3	12,800*	70.0	11,600*	72.4	10,670*
	100	64.3	12,250*	67.0	11,210*	69.4	10,350*
	110	61.2	11,800*	63.9	10,860*	66.2	10,120*
	120	58.1	11,350*	60.7	10,500*	62.9	9,890*
	130	54.8	10,960*	57.3	10,220*	59.6	9,710*
	140	51.3	10,610*	53.8	10,010*	56.0	9,540*
	150	47.7	10,310*	50.2	9,780*	52.2	9,380*
60' (18.3M) JIB & 160' (48.8M) BOOM	44	80.8	15,260*				
	50	79.3	14,930*				
	60	76.6	14,420*	79.2	12,930*		
	70	73.9	13,900*	76.5	12,610*	78.9	11,400*
	80	71.2	13,430*	73.7	12,160*	76.1	11,050*
	90	68.4	12,990*	71.0	11,700*	73.3	10,700*
	100	65.6	12,480*	68.1	11,330*	70.4	10,450*
	110	62.7	12,000*	65.2	10,980*	67.4	10,170*
	120	59.7	11,550*	62.2	10,630*	64.4	9,950*
	130	56.6	11,190*	59.0	10,370*	61.2	9,750*
	140	53.4	10,830*	55.8	10,130*	57.9	9,600*
	150	50.0	10,490*	52.4	9,880*	54.6	9,470*
	160	46.5	10,220*	48.9	9,710*	50.8	9,350*
60' (18.3M) JIB & 170' (51.8M) BOOM	45	81.0	15,250*				
	50	79.7	15,010*				
	60	77.2	14,490*	79.7	12,930*		
	70	74.6	14,000*	77.1	12,610*	79.4	11,450*
	80	72.0	13,550*	74.5	12,250*	76.8	11,100*
	90	69.4	13,120*	71.8	11,810*	74.1	10,780*
	100	66.7	12,660*	69.1	11,440*	71.3	10,490*
	110	64.0	12,190*	66.4	11,090*	68.5	10,280*
	120	61.1	11,750*	63.5	10,760*	65.6	10,050*
	130	58.2	11,350*	60.6	10,500*	62.7	9,830*
	140	55.2	11,010*	57.6	10,240*	59.6	9,690*
	150	52.1	10,690*	54.4	10,020*	56.4	9,530*
	160	48.9	10,400*	51.1	9,820*	53.0	9,400*
	170	45.4	9,990	47.6	9,620*	49.5	9,310*
60' (18.3M) JIB & 180' (54.9M) BOOM	47	80.9	15,170*				
	50	80.2	14,960*				
	60	77.7	14,510*	80.1	12,940*		
	70	75.3	14,080*	77.7	12,620*	79.9	11,500*
	80	72.8	13,610*	75.2	12,320*	77.4	11,150*
	90	70.3	13,190*	72.6	11,910*	74.8	10,840*
	100	67.7	12,800*	70.1	11,560*	72.2	10,590*
	110	65.1	12,370*	67.4	11,230*	69.5	10,330*
	120	62.5	11,950*	64.7	10,880*	66.8	10,110*
	130	59.7	11,550*	62.0	10,620*	64.0	9,890*
	140	56.9	11,170*	59.1	10,330*	61.1	9,750*
	150	54.0	10,870*	56.2	10,130*	58.1	9,580*
	160	50.9	10,560*	53.1	9,900*	55.0	9,430*
	170	47.8	9,710	49.9	9,710	51.7	9,330*
	180	44.4	8,810	46.5	8,820	48.2	8,820
60' (18.3M) JIB & 190' (57.9M) BOOM	49	80.8	15,010*				
	50	80.6	14,990*				
	60	78.2	14,530*	80.5	12,950*		
	70	75.9	14,100*	78.2	12,630*	80.3	11,460*
	80	73.5	13,670*	75.8	12,390*	77.9	11,200*
	90	71.1	13,260*	73.4	12,020*	75.4	10,890*
	100	68.7	12,930*	70.9	11,670*	73.0	10,630*
	110	66.2	12,560*	68.4	11,300*	70.4	10,390*
	120	63.6	12,140*	65.8	10,990*	67.8	10,190*
	130	61.1	11,710*	63.2	10,700*	65.2	10,000*
	140	58.4	11,370*	60.5	10,460*	62.4	9,790*
	150	55.6	11,040*	57.8	10,230*	59.6	9,660*
	160	52.8	10,480	54.9	10,010*	56.7	9,490*
	170	49.8	9,450	51.9	9,450	53.7	9,390*
	180	46.7	8,550	48.8	8,560	50.5	8,560
	190	43.4	7,750	45.4	7,750	47.1	7,760

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	14,950*				
	60	78.7	14,550*	80.9	12,910*		
	70	76.4	14,120*	78.6	12,650*	80.7	11,080*
	80	74.2	13,700*	76.3	12,340*	78.4	11,080*
	90	71.9	13,330*	74.0	12,080*	76.0	10,950*
	100	69.5	12,950*	71.7	11,780*	73.7	10,720*
	110	67.2	12,160*	69.3	11,420*	71.2	10,440*
	120	64.7	11,410*	66.9	11,060*	68.8	10,250*
	130	62.3	10,720*	64.4	10,400*	66.3	10,060*
	140	59.7	10,040*	61.8	9,800*	63.7	9,520*
	150	57.1	9,350*	59.2	9,220*	61.0	9,010*
	160	54.5	8,730*	56.5	8,630*	58.3	8,480*
	170	51.7	8,100*	53.7	8,050*	55.4	7,960*
	180	48.8	7,490*	50.8	7,490*	52.4	7,460*
	190	45.7	6,890*	47.7	6,910*	49.3	6,890*
	200	42.5	6,300*	44.5	6,350*	46.0	6,370*
60' (18.3M) JIB & 210' (64.0M) BOOM	52	80.8	14,860*				
	60	79.1	14,320*				
	70	76.9	13,420*	79.1	12,390*		
	80	74.8	12,590*	76.9	11,760*	78.8	10,940*
	90	72.6	11,730*	74.6	11,150*	76.6	10,480*
	100	70.3	10,960*	72.4	10,490*	74.3	9,980*
	110	68.0	10,220*	70.1	9,870*	72.0	9,450*
	120	65.7	9,560*	67.8	9,290*	69.6	8,970*
	130	63.4	8,870*	65.4	8,670*	67.2	8,430*
	140	61.0	8,230*	63.0	8,100*	64.8	7,930*
	150	58.5	7,640*	60.5	7,560*	62.3	7,440*
	160	56.0	7,040*	57.9	7,010*	59.7	6,950*
	170	53.3	6,480*	55.3	6,490*	57.0	6,440*
	180	50.6	5,940*	52.6	5,990*	54.2	5,950*
	190	47.8	5,390*	49.7	5,470*	51.3	5,490*
	200	44.8	4,870*	46.7	4,970*	48.2	5,000*
	210	41.7	4,350*	43.5	4,440*	45.0	4,500*
60' (18.3M) JIB & 220' (67.1M) BOOM	53	81.0	13,010*				
	60	79.5	12,400*				
	70	77.4	11,520*	79.5	10,720*		
	80	75.3	10,670*	77.3	10,090*	79.2	9,410*
	90	73.2	9,910*	76.2	9,450*	77.1	8,940*
	100	71.0	9,190*	73.1	8,860*	74.9	8,450*
	110	68.9	8,480*	70.9	8,260*	72.7	7,940*
	120	66.7	7,820*	68.6	7,670*	70.4	7,460*
	130	64.4	7,200*	66.4	7,090*	68.1	6,960*
	140	62.1	6,620*	64.1	6,570*	65.8	6,460*
	150	59.8	6,070*	61.7	6,050*	63.4	5,980*
	160	57.3	5,520*	59.3	5,540*	60.9	5,540*
	170	54.9	4,980*	56.8	5,060*	58.4	5,060*
	180	52.3	4,500*	54.2	4,580*	55.8	4,610*
	190	49.6	4,020*	51.5	4,110*	63.0	4,160*
	200	46.9	3,540*	48.7	3,650*	50.2	3,720*
	210	44.0	3,070*	45.8	3,190*	47.2	3,280*
	220	40.9	2,580*	42.7	2,730*	44.0	2,820*
60' (18.3M) JIB & 230' (70.1M) BOOM	55	80.9	11,090*				
	60	79.9	10,690*				
	70	77.9	9,830*	79.8	9,230*		
	80	75.8	9,010*	77.8	8,590*	79.6	8,090*
	90	73.8	8,260*	75.7	7,970*	77.6	7,610*
	100	71.7	7,550*	73.7	7,370*	75.5	7,120*
	110	69.6	6,910*	71.6	6,780*	73.3	6,600*
	120	67.5	6,280*	69.4	6,230*	71.2	6,100*
	130	65.3	5,690*	67.2	5,690*	69.0	5,630*
	140	63.1	5,160*	65.0	5,190*	66.7	5,160*
	150	60.9	4,630*	62.8	4,680*	64.4	4,680*
	160	58.6	4,120*	60.5	4,210*	62.1	4,240*
	170	56.3	3,650*	58.1	3,760*	59.7	3,810*
	180	53.8	3,180*	55.6	3,300*	57.2	3,390*
	190	51.3	2,740*	53.1	2,870*	54.6	2,970*
	200	48.7	2,310*	50.5	2,460*	52.0	2,560*
	210	46.0	1,880*	47.8	2,030*	49.2	2,150*
	220	43.2	1,460*	44.9	1,620*	46.2	1,740*
	230	40.1	1,040*	41.8	1,210*	43.1	1,320*

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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 & 240' (73.2M) BOOM	56	81.0	9,460*				
	60	80.2	9,100*				
	70	78.3	8,270*	80.2	7,870*		
	80	76.3	7,500*	78.2	7,220*	80.0	6,860*
	90	74.3	6,770*	76.2	6,620*	78.0	6,380*
	100	72.4	6,100*	74.2	6,000*	76.0	5,880*
	110	70.3	5,470*	72.2	5,440*	73.9	5,370*
	120	68.3	4,860*	70.1	4,900*	71.8	4,890*
	130	66.2	4,330*	68.1	4,390*	69.7	4,410*
	140	64.1	3,800*	65.9	3,900*	67.6	3,940*
	150	62.0	3,300*	63.8	3,420*	65.4	3,490*
	160	59.8	2,830*	61.6	2,980*	63.2	3,070*
	170	57.5	2,390*	59.3	2,550*	60.9	2,650*
	180	55.2	1,970*	57.0	2,130*	58.5	2,250*
	190	52.8	1,550*	54.6	1,730*	56.1	1,850*
	200	50.4	1,160*	52.1	1,340*	53.6	1,460*
	210	47.8	770*	49.5	950*	50.9	1,090*
60' (18.3M) JIB & 250' (76.2M) BOOM	58	80.9	7,880*				
	60	80.5	7,690*				
	70	78.7	6,880*	80.5	6,640*		
	80	76.8	6,100*	78.6	5,980*	80.3	5,760*
	90	74.9	5,420*	76.7	5,380*	78.4	5,260*
	100	72.9	4,750*	74.8	4,790*	76.4	4,740*
	110	71.0	4,160*	72.8	4,230*	74.6	4,230*
	120	69.0	3,590*	70.8	3,690*	72.5	3,740*
	130	67.0	3,060*	68.8	3,210*	70.4	3,290*
	140	65.0	2,560*	66.8	2,730*	68.4	2,830*
	150	62.9	2,100*	64.7	2,280*	66.3	2,400*
	160	60.8	1,650*	62.6	1,840*	64.1	1,980*
	170	58.7	1,230*	60.4	1,430*	62.0	1,580*
	180	56.5	830*	58.2	1,040*	59.7	1,200*
70' (21.3M) JIB & 180' (54.9M) BOOM	49	81.0	11,890*				
	50	80.8	11,840*				
	60	78.4	11,420*				
	70	76.1	10,950*	78.7	9,540*		
	80	73.7	10,530*	76.4	9,160*	78.9	8,180*
	90	71.3	10,020*	73.9	8,840*	76.4	7,920*
	100	68.9	9,610*	71.5	8,510*	73.9	7,690*
	110	66.4	9,180*	69.0	8,200*	71.4	7,480*
	120	63.8	8,840*	66.4	7,950*	68.8	7,290*
	130	61.2	8,510*	63.8	7,710*	66.1	7,120*
	140	58.6	8,220*	61.1	7,520*	63.4	6,970*
	150	65.8	7,950*	58.3	7,310*	60.5	6,820*
	160	53.0	7,690*	55.5	7,110*	57.6	6,700*
	170	50.0	7,470*	52.5	6,950*	54.6	6,590*
	180	46.9	7,260*	49.3	6,820*	51.3	6,520*
70' (21.3M) JIB & 190' (57.9M) BOOM	51	80.9	11,840*				
	60	78.9	11,430*				
	70	76.6	11,010*	79.2	9,630*		
	80	74.4	10,650*	76.9	9,260*	79.3	8,210*
	90	72.1	10,170*	74.6	8,880*	77.0	7,960*
	100	69.7	9,740*	72.2	8,600*	74.6	7,730*
	110	67.3	9,330*	69.8	8,320*	72.1	7,520*
	120	64.9	8,980*	67.4	8,050*	69.7	7,320*
	130	62.5	8,660*	64.9	7,790*	67.1	7,160*
	140	59.9	8,360*	62.4	7,600*	64.6	7,020*
	150	57.3	8,060*	59.7	7,370*	61.9	6,870*
	160	54.6	7,810*	57.0	7,210*	59.1	6,750*
	170	51.9	7,579*	54.2	7,060*	56.3	6,660*
	180	49.0	7,360*	51.3	6,890*	53.3	6,570*
	190	46.9	7,180*	48.2	6,780*	50.1	6,480*
70' (21.3M) JIB & 200' (61.0M) BOOM	53	80.8	11,740*				
	60	79.3	11,480*				
	70	77.1	11,080*	79.6	9,680*		
	80	74.9	10,720*	77.4	9,310*	79.7	8,250*
	90	72.7	10,310*	75.2	8,960*	77.6	8,000*
	100	70.5	9,840*	72.9	8,640*	75.2	7,760*
	110	68.2	9,460*	70.6	8,400*	72.9	7,560*
	120	65.9	9,110*	68.3	8,140*	70.5	7,400*
	130	63.6	8,760*	65.9	7,880*	68.1	7,230*
	140	61.2	8,460*	63.5	7,680*	65.6	7,070*
	150	58.7	8,190*	61.0	7,470*	63.1	6,940*
	160	56.1	7,930*	58.5	7,280*	60.5	6,800*
	170	53.5	7,720*	55.8	7,120*	57.8	6,690*

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' (con't)	180	50.8	7,250*	53.1	6,970*	55.0	6,610*
	190	48.0	6,690*	50.2	6,700*	52.1	6,500*
	200	45.0	6,150*	47.2	6,170*	49.0	6,160*
70' (21.3M) JIB & 210' (64.0M) BOOM	54	80.9	11,710*				
	60	79.7	11,500*				
	70	77.6	11,090*	80.0	9,730*		
	80	75.5	10,740*	77.9	9,360*	80.1	8,260*
	90	73.4	10,410*	75.7	9,040*	77.9	8,050*
	100	71.2	9,990*	73.6	8,730*	75.8	7,800*
	110	69.0	9,600*	71.4	8,440*	73.5	7,600*
	120	66.8	9,130*	69.1	8,190*	71.3	7,430*
	130	64.6	8,520*	66.9	7,960*	69.0	7,260*
	140	62.3	7,910*	64.6	7,730*	66.6	7,110*
	150	59.9	7,340*	62.2	7,220*	64.2	6,980*
	160	57.5	6,800*	59.8	6,740*	61.7	6,580*
	170	55.0	6,270*	57.3	6,250*	59.2	6,140*
	180	52.5	5,740*	54.7	5,760*	56.6	6,710*
	190	49.8	5,260*	52.0	5,310*	53.8	5,280*
	200	47.1	4,770*	49.2	4,820*	51.0	4,850*
	210	44.1	4,280*	46.3	4,370*	48.0	4,400*
70' (21.3M) JIB & 220' (67.1M) BOOM	56	80.8	11,620*				
	60	80.0	11,470*				
	70	78.0	11,010*	80.3	9,740*		
	80	76.0	10,220*	78.3	9,420*	80.5	8,300*
	90	74.0	9,500*	76.2	8,940*	78.4	8,060*
	100	71.9	8,770*	74.2	8,390*	76.3	7,840*
	110	69.8	8,140*	72.1	7,840*	74.1	7,430*
	120	67.7	7,510*	69.9	7,280*	72.0	7,010*
	130	65.6	6,910*	67.7	6,770*	69.8	6,560*
	140	63.3	6,360*	65.5	6,270*	67.5	6,120*
	150	61.1	5,820*	63.3	5,800*	65.2	5,700*
	160	58.8	5,320*	61.0	5,310*	62.9	5,270*
	170	56.4	4,820*	58.6	4,870*	60.5	4,840*
	180	54.0	4,360*	56.1	4,420*	58.0	4,430*
	190	51.5	3,900*	53.6	3,990*	55.4	4,030*
	200	48.9	3,450*	51.0	3,570*	52.7	3,620*
	210	46.2	3,030*	48.2	3,150*	49.9	3,230*
	220	43.3	2,590*	45.4	2,740*	47.0	2,820*
70' (21.3M) JIB & 230' (70.1M) BOOM	57	81.0	10,490*				
	60	80.4	10,240*				
	70	78.4	9,400*	80.7	8,660*		
	80	76.5	8,630*	78.7	8,100*	80.8	7,470*
	90	74.5	7,940*	76.7	7,540*	78.8	7,060*
	100	72.5	7,260*	74.7	7,000*	76.8	6,640*
	110	70.6	6,610*	72.7	6,440*	74.7	6,190*
	120	68.5	6,040*	70.6	5,920*	72.6	5,750*
	130	66.4	5,470*	68.5	5,430*	70.5	5,330*
	140	64.3	4,960*	66.4	4,950*	68.4	4,900*
	150	62.1	4,460*	64.3	4,500*	66.2	4,480*
	160	59.9	3,990*	62.0	4,050*	63.9	4,060*
	170	57.7	3,530*	59.8	3,630*	61.6	3,660*
	180	55.4	3,090*	57.6	3,220*	59.3	3,270*
	190	53.0	2,680*	55.1	2,800*	56.8	2,890*
	200	50.6	2,260*	52.6	2,410*	54.3	2,510*
	210	48.0	1,870*	50.0	2,040*	51.7	2,140*
	220	45.3	1,480*	47.3	1,650*	48.9	1,770*
	230	42.5	1,090*	44.5	1,270*	46.0	1,400*
70' (21.3M) JIB & 240' (73.2M) BOOM	59	80.9	8,830*				
	60	80.7	8,720*				
	70	78.8	7,940*	81.0	7,430*		
	80	76.9	7,200*	79.1	6,840*		
	90	75.0	6,500*	77.2	6,270*	79.2	5,940*
	100	73.1	5,850*	75.2	5,720*	77.2	5,510*
	110	71.2	5,240*	73.3	5,180*	75.2	5,070*
	120	69.2	4,680*	71.3	4,680*	73.2	4,620*
	130	67.2	4,160*	69.3	4,200*	71.2	4,190*
	140	65.2	3,660*	67.2	3,740*	69.1	3,770*
	150	63.1	3,190*	65.2	3,310*	67.0	3,360*
	160	61.0	2,750*	63.1	2,880*	64.9	2,960*
	170	58.9	2,310*	60.9	2,480*	62.7	2,570*
	180	56.7	1,900*	58.7	2,080*	60.4	2,200*
	190	54.4	1,520*	55.4	1,700*	58.1	1,830*
	200	52.1	1,150*	54.1	1,340*	55.7	1,470*
	210	49.7	780*	51.6	980*	53.3	1,120*

LIFT RATINGS IN POUNDS (continued)

With 59H Open Throat Boom, with 24' Floating Mast and 70,000 Pound Counterweight, #9HL Jib

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 & 250' (76.2M) BOOM	60	81.0	7,380*				
	70	79.2	6,590*				
	80	77.3	5,880*	79.4	5,690*		
	90	75.5	5,190*	77.6	5,110*	79.5	4,930*
	100	73.6	4,570*	75.7	4,560*	77.6	4,470*
	110	71.8	4,000*	73.8	4,030*	75.7	4,030*
	120	69.9	3,440*	71.9	3,550*	73.8	3,580*
	130	67.9	2,940*	70.0	3,080*	71.8	3,140*
	140	66.0	2,460*	68.0	2,630*	69.8	2,720*
	150	64.0	2,020*	66.0	2,200*	67.8	2,330*
	160	62.0	1,590*	64.0	1,790*	65.8	1,930*
	170	59.9	1,200*	61.9	1,400*	63.7	1,560*
	180	57.8	820*	59.8	1,030*	61.5	1,200*
80' (24.4M) JIB & 200' (61.0M) BOOM	55	80.9	9,570*				
	60	79.9	9,370*				
	70	77.8	8,960*	80.5	7,520*		
	80	75.7	8,480*	78.4	7,200*	81.0	5,450*
	90	73.5	8,070*	76.3	6,910*	78.8	5,450*
	100	71.4	7,700*	74.1	6,660*	76.6	5,450*
	110	69.2	7,360*	71.9	6,430*	74.4	5,450*
	120	67.0	7,040*	69.7	6,200*	72.1	5,450*
	130	64.8	6,780*	67.4	5,980*	69.8	5,420*
	140	62.5	6,500*	65.1	5,810*	67.5	5,270*
	150	60.1	6,270*	62.7	5,630*	65.0	5,150*
	160	57.7	6,040*	60.3	5,480*	62.6	5,050*
	170	55.2	5,850*	57.8	5,340*	60.0	4,930*
	180	52.7	5,670*	55.2	5,200*	57.4	4,850*
	190	50.0	5,500*	52.5	5,080*	54.6	4,770*
	200	47.2	5,340*	49.7	4,970*	51.8	4,710*
80' (24.4M) JIB & 210' (64.0M) BOOM	57	80.8	9,540*				
	60	80.2	9,420*				
	70	78.2	9,020*	80.8	7,560*		
	80	76.2	8,560*	78.8	7,250*		
	90	74.1	8,160*	76.7	6,980*	79.2	6,100*
	100	72.1	7,810*	74.7	6,720*	77.1	5,920*
	110	70.0	7,460*	72.6	6,460*	75.0	5,760*
	120	67.8	7,150*	70.4	6,260*	72.8	5,600*
	130	65.7	6,860*	68.2	6,060*	70.6	5,450*
	140	63.6	6,600*	66.0	5,870*	68.3	5,300*
	150	61.2	6,360*	63.8	5,700*	66.0	5,200*
	160	58.9	6,150*	61.4	5,540*	63.7	5,080*
	170	56.6	5,960*	59.1	5,400*	61.3	4,970*
	180	54.2	5,550*	56.6	5,260*	58.8	4,890*
	190	51.7	5,070*	54.1	5,110*	56.2	4,810*
	200	49.1	4,630*	51.5	4,680*	53.5	4,660*
	210	46.3	4,180*	48.7	4,250*	50.7	4,280*
80' (24.4M) JIB & 220' (67.1M) BOOM	58	80.9	9,510*				
	60	80.5	9,430*				
	70	78.6	9,080*				
	80	76.6	8,670*	79.2	7,300*		
	90	74.7	8,250*	77.2	7,020*	79.6	6,130*
	100	72.7	7,890*	75.2	6,780*	77.6	5,960*
	110	70.7	7,550*	73.2	6,530*	75.5	5,780*
	120	68.6	7,200*	71.1	6,300*	73.4	5,620*
	130	66.6	6,620*	69.0	6,120*	71.3	5,480*
	140	64.4	6,090*	66.9	5,910*	69.1	6,350*
	150	62.3	5,580*	64.7	5,520*	66.9	5,220*
	160	60.1	5,120*	62.5	5,080*	64.7	4,990*
	170	57.9	4,660*	60.3	4,670*	62.4	4,600*
	180	55.5	4,200*	57.9	4,250*	60.0	4,230*
	190	53.2	3,780*	55.5	3,860*	57.6	3,870*
	200	50.7	3,370*	53.1	3,460*	55.0	3,510*
	210	48.2	2,950*	50.5	3,070*	52.4	3,130*
	220	45.5	2,560*	47.8	2,700*	49.7	2,770*

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)
80' (24.4M) JIB & 230' (70.1M) BOOM	60	80.8	9,450*				
	70	79.0	9,010*				
	80	77.1	8,290*	79.5	7,360*		
	90	75.2	7,610*	77.6	7,060*	79.9	6,150*
	100	73.3	6,940*	75.7	6,610*	78.0	5,960*
	110	71.3	6,350*	73.7	6,110*	76.0	5,790*
	120	69.3	5,770*	71.8	5,640*	74.0	5,400*
	130	67.4	5,240*	69.8	5,170*	72.0	5,000*
	140	65.3	4,760*	67.7	4,720*	69.9	4,620*
	150	63.3	4,280*	65.6	4,290*	67.8	4,240*
	160	61.2	3,830*	63.5	3,890*	65.6	3,870*
	170	59.0	3,400*	61.4	3,480*	63.4	3,510*
	180	56.8	2,980*	59.1	3,090*	61.2	3,140*
	190	54.6	2,580*	56.9	2,720*	58.9	2,790*
	200	52.2	2,200*	54.5	2,360*	56.5	2,440*
	210	49.8	1,830*	52.1	2,000*	54.0	2,100*
	220	47.3	1,470*	49.5	1,650*	51.4	1,760*
	230	44.7	1,110*	46.9	1,300*	48.7	1,420*
80' (24.4M) JIB & 240' (73.2M) BOOM	61	81.0	8,300*				
	70	79.3	7,620*				
	80	77.5	6,900*	79.9	6,450*		
	90	75.7	5,240*	78.0	5,930*	80.3	5,510*
	100	73.8	5,620*	76.2	5,440*	78.4	5,140*
	110	71.9	5,040*	74.3	4,930*	76.5	4,750*
	120	70.0	4,500*	72.4	4,470*	74.5	4,350*
	130	68.1	3,980*	70.4	4,010*	72.6	3,950*
	140	66.1	3,510*	68.5	3,590*	70.6	3,570*
	150	64.2	3,070*	66.5	3,160*	68.6	3,190*
	160	62.2	2,640*	64.4	2,760*	66.5	2,820*
	170	60.1	2,230*	62.4	2,380*	64.4	2,480*
	180	58.0	1,840*	60.2	2,020*	62.2	2,130*
	190	55.8	1,470*	58.1	1,660*	60.0	1,790*
	200	53.6	1,120*	55.8	1,320*	57.7	1,450*
	210	51.3	780*	53.5	980*	55.4	1,130*
80' (24.4M) JIB & 250' (76.2M) BOOM	63	80.9	6,860*				
	70	79.6	6,310*				
	80	77.9	5,630*	80.2	5,380*		
	90	76.1	4,990*	78.4	4,850*	80.6	4,590*
	100	74.3	4,390*	76.6	4,340*	78.7	4,200*
	110	72.5	3,820*	74.8	3,860*	76.9	3,780*
	120	70.7	3,300*	72.9	3,390*	75.0	3,380*
	130	68.8	2,820*	71.1	2,940*	73.1	2,990*
	140	66.9	2,350*	69.2	2,520*	71.2	2,610*
	150	65.0	1,930*	67.2	2,120*	69.3	2,230*
	160	63.1	1,530*	65.3	1,730*	67.3	1,870*
	170	61.1	1,150*	63.3	1,370*	65.3	1,520*
	180	59.1	780*	61.3	1,010*	63.2	1,180*

59H OFFSET TIP BOOM COMPOSITION

Boom Length (Feet)	Boom Sections				
	25' 59H Inner	10' 59H Center	20' 59H Center	40' 59H Center	25' 59H Outer
50	1	0	0	0	1
60	1	1	0	0	1
70	1	0	1	0	1
80	1	1	1	0	1
90	1	0	0	1	1
100	1	1	0	1	1
110	1	0	1	1	1
120	1	1	1	1	1
130	1	0	0	2	1
140	1	1	0	2	1
150	1	0	1	2	1
160	1	1	1	2	1
170	1	0	0	3	1
180	1	1	0	3	1
190	1	0	1	3	1
200	1	1	1	3	1
210	1	0	0	4	1
220	1	1	0	4	1
230	1	0	1	4	1
240	1	1	1	4	1
250	1	2	1	4	1

59H OFFSET TIP BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA

	Over The End		Over The Side	
	Boom Length (Feet)	Jib Length (Feet)	Boom Length (Feet)	Jib Length (Feet)
#9HL JIB	250	80	250	80

#9HL JIB COMPOSITION CHART

Boom Length (Feet)	Boom Sections			
	20' Inner	10' Center	20' Center	20' Outer
40	1	0	0	1
50	1	1	0	1
60	1	0	1	1
70	1	1	1	1
80	1	0	2	1

LOAD HOISTING INFORMATION

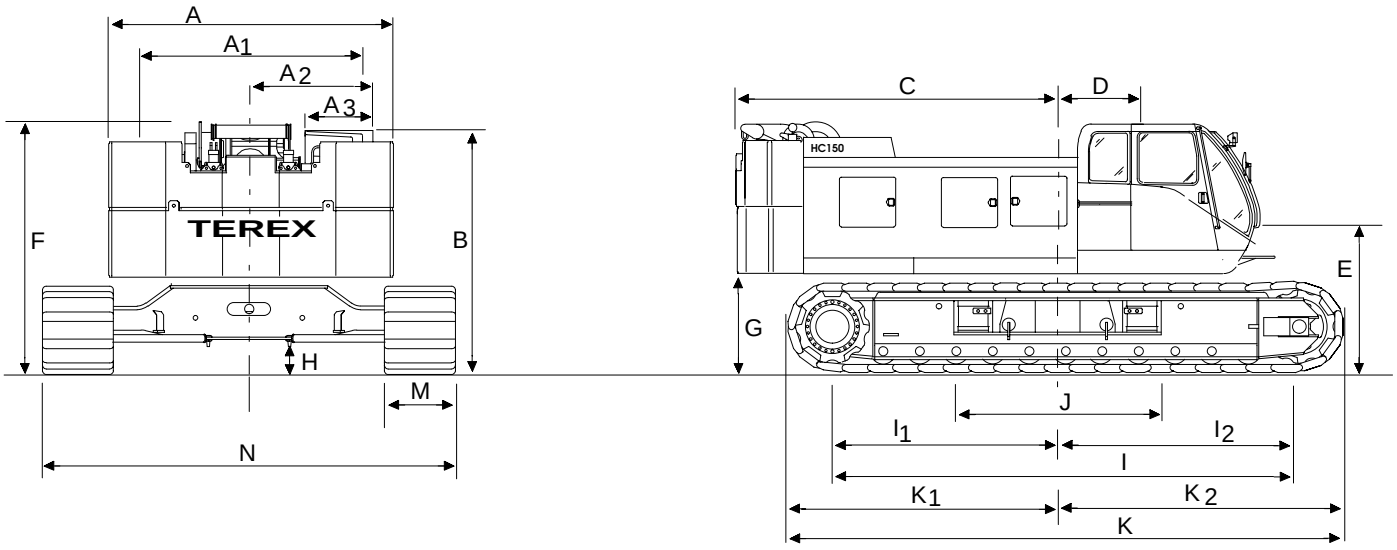
1.000" Diameter EIPS Wire Rope			
Maximum Lifting Capacity (Pounds)	Minimum Parts of Line	Maximum Hoisting Distance (Feet)	
		Main (Front)	Auxiliary (Rear)
300,000	11	139	139
295,000	10	153	153
265,500	9	170	170
236,000	8	191	191
206,500	7	218	218
177,000	6	255	255
147,500	5	306	306
118,000	4	382	382
88,500	3	510	510
59,000	2	765	765
29,500	1	1,530	1,530

HOIST DRUM PERFORMANCE

MAIN & AUXILIARY HOIST – 1" Diameter Rope					FREE FALL				
	High Range				Low Range				
	Standard		Double Pumped		Standard		Double Pumped		
Rope Layer	Line Speed (Feet per Minute)	Single Line Pull	Line Speed (Feet per Minute)	Single Line Pull	Line Speed (Feet per Minute)	Single Line Pull	Line Speed (Feet per Minute)	Single Line Pull	Total Rope Length
1st*	185	20,000	373	20,000	90	40,000	165	40,000	125
2nd*	200	17,000	400	17,000	96	35,000	177	35,000	260
3rd*	214	15,500	430	15,500	103	31,000	190	31,000	405
4th*	227	15,450	455	15,450	110	30,900	201	30,900	560
5th*	241	14,550	480	14,550	116	29,100	214	29,100	725
6th*	255	13,800	510	13,800	123	27,600	226	27,600	900
7th*	270	13,100	540	13,100	130	26,200	238	26,200	1080
8th*	282	12,450	565	12,450	136	24,900	251	24,900	1,270
9th**	296	11,850	590	11,850	143	23,700	262	23,700	1,475
10th**	310	11,350	620	11,350	150	22,700	275	22,700	1,685
11th**									1,900
12th**									2,130

** = Working Layers • ** = Storage Layers*

AMERICAN MODEL HC 150 GENERAL DIMENSIONS



		FEET	MM
A	Width of counterweight	16’-0”	4,878
A_1	Width of machinery cab	11’-5”	3,480
A_2	Centerline of machine to outside of operator’s cab	6’-0”	1,829
B	Height over operator’s cab	12’-0”	3,658
C	Tail swing with WORKHORSE retracted	16-5”	5,004
D	Center rotation to boom foot	3’-6”	1,066
E	Ground to center of boom foot	6’-8”	2,032
F	Height over boom hoist	12’-3 9/16”	3,748
G	Ground to bottom of counterweight	4’-6 3/4”	1,391
H	Minimum ground clearance	1’-7 1/2”	495
H_1	Maximum jacking height w/ transport pkg. No counterweight, no side frames	3’-7”	1,092
I	Center to center of crawler tumblers	24’-2 15/16”	7,390

		FEET	MM
I_1	Center of drive tumbler to center of rotation	11’-9 1/4”	3,587
I_2	Center of idler tumbler to center of rotation	12’-5 5/8”	3,801
J	Width of carbody (including vertical jacks)	10’-10”	3,300
K	Overall length of crawlers	28’-2”	8,585
K_1	Over drive tumbler to center of rotation	13’-7 7/8”	4,163
K_2	Over idler tumbler to center of rotation	14’-4 5/16”	4,377
M	Width of tread shoe (standard)	44”	1,118
	(optional)	50”	1,270
N	Overall width of crawlers 44” (1,118mm) shoes	22’-4”	6,807
	50” (1,270mm) shoes	22’-10”	6,959
N_1	Length of crawler axles	19’-4 3/4”	5,912

CRANE RATING DATA

WARNING

This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Coorporation Service Bulletin #259.

The ratings in this chart are for planning purposes only. Only those ratings specifically assigned to a crane and mounted in the operator's cab or in the Operator's Manual should be used for actual operation.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings which are limited by strength ol material or factors other than stability (tipping).

RADIUS IN FEET is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgement to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that taglines be used to control the load.

MAST HOIST LINE is 17 parts of 3/4 inch diameter 6 x 26, WS, FW, RAL, IWRC, EIPS wire rope with a minimum breaking strength of 58,800 pounds.

PENDANT SUSPENSION LINE is 2 parts of 1-3/8 inch diameter EEIPS wire rope with a minimum breaking strength of 211,000 pounds.

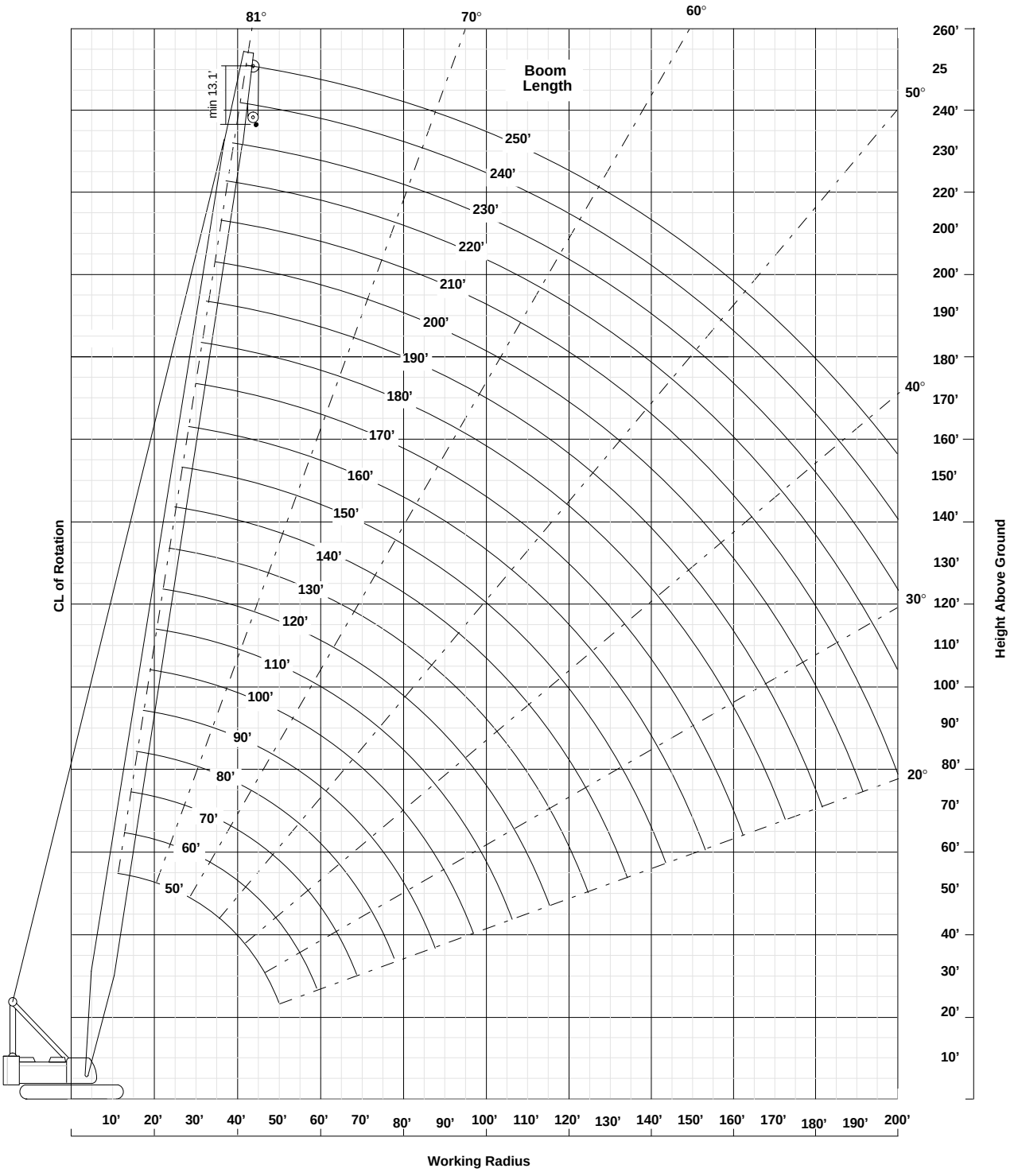
MAIN & AUXILIARY LOAD LINE- 1.000 inch diameter EIPS wire rope with a minimum breaking strength of 103,400 pounds.

JIB BACKSTAY AND FRONTSTAY LINES are 2 parts of 0.875 inch diameter IPS wire rope with a minimum breaking strength of 69,200 pounds.

THIRD DRUM LINE is 3/4 inch diameter IPS wire rope with a minimum breaking strength of 35,000 pounds.

Erection "OVER THE END" is with the boom over the idler end with idler tumblers blocked (See operator's manual for blocking instructions). Erection "OVER THE SIDE" is with the boom 90° to the sideframes and with the side frames extended. Blocks, slings and other carrying devices must be on the ground during erection.

AMERICAN MODEL HC 150 WORKING RANGES WITH 59H BOOM



For more information, product demonstration, or details on sales, lease and rental plans, please contact your local Terex American Crane Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.

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