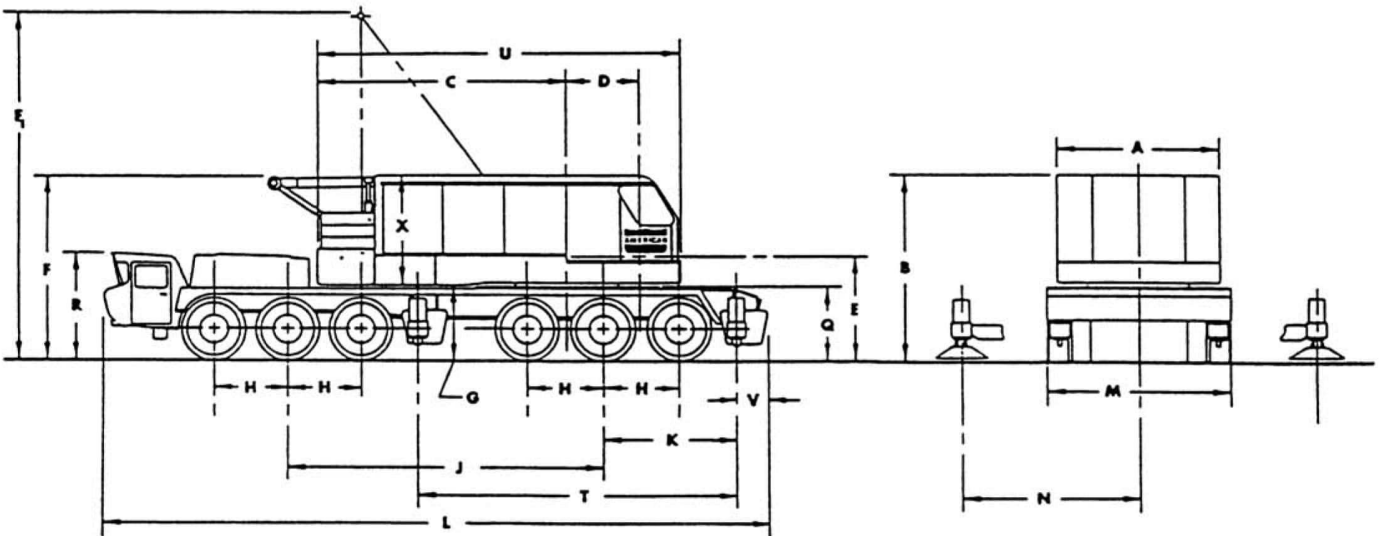




9530

CARRIER

SPECIFICATIONS



GENERAL DIMENSIONS

A	Width of Cab	11'9"	L	Overall Length of Carrier	47'
	Height to Top of Cab	13'5"	M	Overall Width of Carrier	14'
	Tail Swing	17'7"	N	Centerline of Carrier to Centerline of Outrigger	11'6"
D	Centerline of Rotation to Centerline of Boom Foot	5'0-3/4"	Q	Top of Mounting Plate to Ground	5'3"
	Ground to Centerline of Boom Foot	7'7-3/4"	R	Top of Carrier Cab to Ground	7'7"
	Height Over A-Frame (Lowered)	13'6-1/2"	T	Centerline Front Outrigger to Center Line Rear Outrigger	22'7"
F	Height Over A-Frame (Raised)	29'3"	U	Rear of Counterweight to Front of Cab	25'9"
	Ground to Bottom of Counterweight	5'7"	V	Centerline of Rear Outrigger to End of Carrier	2'3"
	Distance Between Axles	5'4"	X	Bottom of Machinery Deck to Top of Cab	7'6-1/2"
	Centerline of Rotation to Centerline of Rear Bogie	2'7-1/4"		Turning Radius	57'
	Wheel Base	23'2-1/4"		Clearance Under Raised Outrigger Float	4-1/2"
	Centerline Rear Bogie to Centerline Rear Outrigger	9'10"		Clearance Under Equalizer Beam	11"

AMERICAN[®]



MODEL 9530
TRUCK CRANE
92H BOOM
90,000# CTWT.*

92H BOOM RATING

With 90,000# CTWT.*

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
70 feet	17	81.4	440000	440000	77
	20	78.9	347860	347860	76
	25	74.7	262660	262660	75
	30	70.4	212670	212670	73
	35	65.9	174380	176980	71
	40	61.3	142050	151150	69
	50	51.3	102510	116400	62
60	39.5	79170	93590	52	
70	23.2	63860	77840	35	
80 feet	18	81.8	400090	400090	87
	20	80.3	347630	347630	86
	25	76.6	262780	262780	85
	30	72.9	211980	211980	84
	35	69.1	174250	175950	82
	40	65.2	141890	150880	80
	50	56.9	102300	116030	75
	60	47.7	78930	93220	67
70	36.8	63630	77640	56	
80	21.6	52690	65150	37	
90 feet	20	81.4	347390	347390	97
	25	78.2	262010	262010	96
	30	74.9	211000	211000	94
	35	71.5	173970	175200	93
	40	68.1	141580	150100	91
	50	61.0	101940	115320	86
	60	53.3	78520	92730	80
	70	44.8	63240	76200	71
	80	34.6	52290	64780	59
90	20.3	44110	55160	39	
100 feet	21	81.7	325340	325340	107
	25	79.4	261250	261250	106
	30	76.4	210730	210730	105
	35	73.4	173700	174510	103
	40	70.4	141270	149230	102
	50	64.2	101600	114480	98
	60	57.5	78150	92280	92
	70	50.4	62880	75830	85
	80	42.3	51920	64070	75
	90	32.7	43740	54500	62
100	19.2	37400	47140	40	
110 feet	22	81.9	305850	305850	116
	25	80.3	260640	260640	116
	30	77.7	209530	209530	115
	35	75.0	173390	173570	114
	40	72.3	140930	148680	112
	50	66.7	101220	114060	109
	60	60.8	77730	91270	104
	70	54.6	62470	75150	97
	80	47.8	51500	63680	89
	90	40.2	43310	54180	79
	100	31.1	36980	46730	64
110	18.2	32000	40710	42	
20 feet	24	81.6	275150	275150	126
	25	81.2	261130	261130	126
	30	78.7	210020	210020	125
	35	76.3	173500	175020	124
	40	73.8	141070	149370	123
	50	68.7	101400	114490	119

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
120 feet Cont	60	63.5	77920	91690	115
	70	58.0	62690	75410	109
	80	52.1	51720	64050	102
	90	45.7	43550	54440	93
	100	38.4	37220	46970	82
	110	29.7	32310	41020	67
	120	17.4	28150	36020	44
130 feet	25	81.8	260090	260090	136
	30	79.6	209070	209070	135
	35	77.3	173200	174200	134
	40	75.1	140730	148700	133
	50	70.4	101020	113560	130
	60	65.7	77510	90740	126
	70	60.7	62290	74620	121
	80	55.5	51320	63170	115
	90	49.9	43130	53960	107
	100	43.8	36790	46550	97
	110	36.8	31920	40630	86
	120	28.5	27770	35640	70
130	16.7	24290	31470	45	
140 feet	27	81.6	236840	236840	146
	30	80.4	209370	209370	146
	35	78.3	172850	173460	145
	40	76.2	140360	148030	143
	50	71.9	100590	113080	141
	60	67.5	77030	90000	137
	70	63.0	61810	73850	132
	80	58.3	50820	62470	127
	90	53.3	42620	53160	120
	100	47.9	36520	46280	111
	110	42.1	31430	40160	101
	120	35.4	27280	35160	89
	130	27.4	23820	31010	72
	140	16.1	20890	27500	46
150 feet	28	81.8	225870	225870	156
	30	81.0	207840	207840	156
	35	79.1	172500	172930	155
	40	77.1	139970	147500	154
	50	73.1	100170	112060	151
	60	69.1	76580	89230	148
	70	64.9	61360	73340	143
	80	60.6	50350	61870	138
	90	56.1	42150	52330	132
	100	51.3	36070	45840	125
	110	46.2	30980	39710	116
	120	40.6	26830	34710	105
	130	34.2	23370	30560	92
	140	26.5	20440	26840	74
	150	15.5	17930	24050	48
160 feet	29	81.9	215450	215450	166
	30	81.6	207590	207590	166
	35	79.8	171680	171680	165
	40	77.9	139580	146330	164
	50	74.2	99740	111070	162
	60	70.5	76110	88850	158
	70	66.6	60900	73470	154
	80	62.6	49870	61130	150
	90	58.5	41660	51830	144
	100	54.1	35600	45370	137

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
160 feet Cont	110	49.6	30510	39250	129
	120	44.6	26350	34240	120
	130	39.2	22890	29960	109
	140	33.0	19970	26290	95
	150	25.6	17460	23590	77
	160	15.0	15280	20980	49
	170 feet	31	81.7	199120	199120
35		80.4	171940	171940	175
40		78.6	139420	146500	174
50		75.2	99620	111160	172
60		71.7	76000	88490	169
70		68.0	60820	73620	165
80		64.4	49810	61050	161
90		60.5	41590	51620	156
100		56.6	35560	45340	149
110		52.4	30490	39220	142
120		48.0	26340	34160	134
130		43.2	22880	29920	124
140		38.0	19960	26310	112
150		32.0	17460	23580	98
160		24.8	15290	20980	79
170		14.5	13400	18540	50
180 feet		32	81.9	191080	191080
	35	80.9	171570	171570	185
	40	79.3	139060	145600	184
	50	76.0	99230	110480	182
	60	72.7	75570	87720	179
	70	69.3	60390	72590	176
	80	65.9	49360	60490	172
	90	62.3	41130	50920	167
	100	58.6	35120	44900	161
	110	54.8	30040	38600	155
	120	50.8	25870	33630	147
	130	46.5	22430	29330	138
	140	41.9	19500	25750	128
	150	36.9	17000	22590	116
	160	31.1	14830	20530	100
	170	24.1	12940	17990	81
	180	14.1	11270	15740	51
	190 feet	33	82.0	183220	183220
35		81.4	170750	170750	195
40		79.9	138690	144760	195
50		76.8	98790	109630	193
60		73.6	75090	86910	190
70		70.5	59910	71870	187
80		67.2	48860	59550	183
90		63.9	40620	50370	178
100		60.5	34620	44020	173
110		56.9	29530	37890	167
120		53.2	25370	32910	160
130		49.3	21910	28650	152
140		45.2	18990	25040	142
150		40.7	16490	21950	132
160		35.8	14320	19860	119
170		30.2	12430	17400	103
180		23.4	10750	15170	83
190	13.7	9280	13190	53	

*SEE SEPARATE SPEC FOR FREE RATINGS WITH 75,000# CTWT.

92H BOOM RATINGS (cont.)

With 90,000# CTWT.*

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		FL From Boom Point
			Over Side	Over Rear	
200 feet	35	81.8	170890	170890	206
	40	80.4	138300	143990	205
	50	77.4	98370	108880	203
	60	74.5	74630	86610	200
	70	71.5	59450	71190	197
	80	68.4	48380	58930	194
	90	65.3	40130	49580	189
	100	62.1	34160	43350	184
	110	58.8	29050	37320	179
	120	55.4	24890	32140	172
	130	51.8	21420	28020	165
	140	48.0	18500	24330	156
	150	44.0	16000	21250	146
	160	39.7	13820	19190	135
	170	34.9	11930	16740	122
180	29.4	10260	14540	106	
190	22.8	8780	12600	85	
200	13.4	7450	10830	54	
210 feet	36	81.9	162860	163610	215
	40	80.8	137910	143360	215
	50	78.1	97930	108190	213
	60	75.2	74160	85460	211
	70	72.4	58980	70510	208
	80	69.5	47890	58300	204
	90	66.6	39620	48990	200
	100	63.5	33670	42630	196
	110	60.4	28560	36510	190
	120	57.2	24400	31610	184
	130	53.9	20920	27310	177
	140	50.4	17990	23750	169
	150	46.8	15490	20610	161
	160	42.9	13320	18540	150
	170	38.7	11420	16050	139
180	34.0	9760	13890	125	
190	28.7	8260	11930	108	
200	22.2	6940	10180	87	
210	13.0	5760	8610	55	
220 feet	38	81.8	148860	153770	225
	40	81.3	137610	144680	225
	50	78.6	97680	109040	223
	60	75.9	73910	85590	221
	70	73.2	58760	70220	218
	80	70.5	47690	58030	215
	90	67.7	39420	48740	211
	100	64.8	33490	42440	207
	110	61.9	28400	36370	202
	120	58.9	24230	31360	196
	130	55.8	20760	27130	189
	140	52.6	17840	23530	182
	150	49.2	15330	20490	174
	160	45.6	13170	18420	165
	170	41.8	11280	15920	154
180	37.7	9610	13780	142	
190	33.2	8120	11840	128	
200	28.0	6800	10090	111	
210	21.7	5610	8510	89	
220	12.7	4550	7100	56	
230 feet	39	81.9	142930	147670	235
	40	81.6	137250	143400	235
	50	79.1	97280	108480	233
	60	76.6	73470	84590	231
	70	74.0	58320	69610	229
	80	71.4	47230	57430	225

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		FL From Boom Point
			Over Side	Over Rear	
230 feet Cont.	90	68.7	38950	48920	222
	100	66.0	33040	41930	218
	110	63.2	27930	35710	213
	120	60.4	23760	30770	208
	130	57.5	20300	26490	201
	140	54.5	17360	22970	195
	150	51.3	14860	20540	187
	160	48.0	12690	17760	179
	170	44.6	10790	15300	169
	180	40.9	9120	13120	158
	190	36.9	7640	11190	146
	200	32.4	6310	9450	131
	210	27.4	5120	7880	113
	220	21.2	4060	6510	91
	230	12.4	3080	5210	57
240 feet	40	82.0	136890	144130	245
	50	79.6	96870	107930	244
	60	77.1	73010	83960	242
	70	74.7	57850	68980	239
	80	72.2	46740	56510	236
	90	69.6	38450	48300	233
	100	67.1	32550	41140	229
	110	64.4	27430	35000	224
	120	61.7	23260	29970	219
	130	59.0	19790	25770	213
	140	56.1	16850	22160	207
	150	53.2	14340	19870	200
	160	50.2	12170	17010	192
	170	46.9	10270	14600	183
	180	43.6	8590	12410	173
190	40.0	7110	10470	162	
200	36.0	5780	8780	149	
210	31.7	4600	7230	134	
220	26.8	3520	5810	116	
230	20.8	2550	4550	93	
240	12.2	—	3390	58	
250 feet	42	81.8	126250	131090	255
	50	80.0	96440	106920	254
	60	77.6	73120	83960	252
	70	75.3	57390	68390	249
	80	72.9	46270	55920	247
	90	70.5	37960	47450	243
	100	68.0	32080	40390	239
	110	65.5	26960	34300	235
	120	63.0	22770	29330	230
	130	60.4	19290	25060	225
	140	57.7	16360	21530	219
	150	54.9	13840	19190	212
	160	52.0	11670	16340	205
	170	49.1	9770	13880	196
	180	45.9	8090	11750	187
190	42.6	6600	9820	177	
200	39.1	5270	8100	165	
210	35.3	4080	6570	152	
220	31.1	3010	5160	137	
230	26.2	2030	3910	118	
240	20.3	—	2750	94	
250	11.9	—	1700	59	
260 feet	43	81.9	119750	119750	265
	50	80.4	96010	106400	264
	60	78.1	72680	83020	262
	70	75.9	56930	67480	260
	80	73.6	45780	55320	257

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		FL From Boom Point
			Over Side	Over Rear	
260 feet Cont.	90	71.3	37460	46850	254
	100	68.9	31590	39830	250
	110	66.5	26460	33590	246
	120	64.1	22270	28660	241
	130	61.6	18800	24460	236
	140	59.1	15850	20870	231
	150	56.5	13330	18480	224
	160	53.8	11160	15630	217
	170	51.0	9250	13200	209
	180	48.0	7580	11050	201
	190	45.0	6090	9140	191
	200	41.8	4760	7430	181
	210	38.3	3560	5890	169
	220	34.6	2490	4510	155
	230	30.4	—	3230	139
240	25.7	—	2090	120	
250	19.9	—	1030	96	
260	11.7	—	1030	60	
270 feet	45	81.8	101650	101650	275
	50	80.7	95670	100520	274
	60	78.6	72380	84280	272
	70	76.4	56640	67240	270
	80	74.2	45490	54920	267
	90	72.0	37180	46560	264
	100	69.7	31350	39560	261
	110	67.4	26220	33500	257
	120	65.1	22030	28420	253
	130	62.8	18550	24220	248
	140	60.3	15610	21410	242
	150	57.9	13100	18200	236
	160	55.3	10920	15380	230
	170	52.7	9020	12930	222
	180	49.9	7340	10770	214
190	47.1	5860	8880	205	
200	44.1	4520	7150	195	
210	40.9	3340	5640	184	
220	37.6	2260	4250	172	
230	33.9	—	2980	158	
240	29.8	—	1840	142	
250	25.2	—	790	123	
260	19.5	—	790	98	
280 feet	46	81.9	93350	93350	285
	50	81.1	92560	92560	284
	60	79.0	71960	83420	282
	70	76.9	56200	66650	280
	80	74.8	45030	54370	278
	90	72.6	36720	45770	275
	100	70.5	30890	38820	271
	110	68.3	25750	32800	268
	120	66.1	21560	27770	263
	130	63.8	18070	23490	259
	140	61.5	15130	20720	254
	150	59.1	12620	17570	248
	160	56.7	10430	14740	242
	170	54.2	8530	12300	235
	180	51.6	6860	10120	227
190	49.0	5370	8230	219	
200	46.2	4040	6510	210	
210	43.3	2840	4970	199	
220	40.2	1760	3590	188	
230	36.9	—	2340	176	
240	33.3	—	1190	161	
250	29.3	—	1190	145	

SEE SEPARATE SPEC FOR FREE RATINGS WITH 75,000# CTWT.



900 SERIES MODEL 9530 TRUCK CRANE WITH 92H HIGH LIFT BOOM

HIGH LIFT RATINGS

With 92H High Lift Boom and 90,000 lb. Counterweight

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
200 feet	37	80.8	74000	74000	205
	40	79.9	74000	74000	204
	50	77.0	74000	74000	202
	60	74.1	74000	74000	200
	70	71.1	66620	66620	197
	80	68.0	56140	58910	193
	90	64.9	47970	52710	189
	100	61.7	41640	47540	184
	110	58.4	36610	43110	178
	120	54.9	32880	39800	171
	130	51.3	29460	34340	164
	140	47.6	26560	31660	155
150	43.6	24080	29150	145	
160	39.2	21930	26940	134	
170	34.4	20070	24890	121	
180	29.0	18420	22830	105	
190	22.4	16960	20810	84	
200	12.9	15680	18570	52	
210 feet	38	81.0	74000	74000	215
	40	80.4	74000	74000	215
	50	77.6	74000	74000	213
	60	74.8	74000	74000	210
	70	72.0	66510	66510	207
	80	69.1	55790	58760	204
	90	66.1	47610	52510	200
	100	63.1	41280	47550	195
	110	60.0	36660	43490	189
	120	56.8	32530	39740	183
	130	53.5	29110	34240	176
	140	50.0	26200	31520	168
150	46.4	23730	29030	160	
160	42.5	21580	26830	149	
170	38.2	19710	24770	138	
180	33.6	18060	22810	124	
190	28.3	16600	20960	107	
200	21.8	15300	19020	86	
210	12.6	14140	16950	53	
230 feet	42	80.8	74000	74000	235
	50	78.7	74000	74000	233
	60	76.2	74000	74000	231
	70	73.6	66140	67460	228
	80	71.0	55150	59480	225
	90	68.3	46960	53060	221
	100	65.6	40620	47700	217
	110	62.9	36040	43800	212
	120	60.0	31910	39140	207
	130	57.1	28480	34340	201
	140	54.1	25570	31540	194
	150	50.9	23090	28970	186
160	47.7	20950	26450	178	
170	44.2	19080	24230	168	

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
230 feet cont.	180	40.5	17420	22250	157
	190	36.5	15960	20490	144
	200	32.1	14660	18920	130
	210	27.0	13490	17500	112
	220	20.9	12430	16210	89
	230	12.0	11490	14370	56
250 feet	45	80.8	74000	74000	254
	50	79.6	74000	74000	253
	60	77.3	74000	74000	251
	70	74.9	65380	74000	249
	80	72.6	54350	63350	246
	90	70.1	46130	54660	243
	100	67.7	39770	47750	239
	110	65.2	35230	42670	234
	120	62.6	31090	38020	230
	130	60.0	27650	34100	224
	140	57.3	24740	30750	218
	150	54.6	22250	27850	211
160	51.7	20100	25330	204	
170	48.7	18220	23110	195	
180	45.6	16570	21140	186	
190	42.3	15100	19390	176	
200	38.8	13790	17800	164	
210	34.9	12620	16390	151	
220	30.7	11550	15090	135	
230	25.9	10600	13930	117	
240	20.0	9730	12850	93	
250	11.6	8950	11880	58	
260 feet	46	80.9	74000	74000	264
	50	80.0	74000	74000	264
	60	77.8	74000	74000	262
	70	75.5	64990	74000	259
	80	73.2	53950	62800	257
	90	70.9	45730	54100	253
	100	68.6	39360	47200	250
	110	66.2	34840	42140	245
	120	63.8	30690	37490	241
	130	61.3	27250	33580	236
	140	58.7	24340	30230	230
	150	56.1	21860	27340	223
160	53.4	19700	24810	216	
170	50.6	17820	22590	209	
180	47.7	16160	20620	200	
190	44.7	14690	18860	190	
200	41.4	13380	17290	180	
210	38.0	12200	15870	168	
220	34.2	11140	14570	154	
230	30.1	10180	13400	138	
240	25.4	9300	12330	119	
250	19.6	8510	11350	95	
260	11.3	7800	10460	59	

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
280 feet	49	81.0	70170	70170	284
	50	80.8	70170	70170	284
	60	78.7	69110	69110	282
	70	76.6	64260	67750	280
	80	74.5	53210	61830	277
	90	72.3	44970	53140	274
	100	70.2	38590	46230	271
	110	68.0	34120	41230	267
	120	65.8	29970	36570	263
	130	63.5	26520	32650	258
	140	61.2	23610	29310	253
	150	58.8	21120	26420	247
160	56.4	18950	23890	241	
170	53.9	17070	21670	234	
180	51.3	15420	19710	226	
190	48.7	13950	17950	218	
200	45.9	12630	16370	209	
210	43.0	11440	14940	198	
220	39.9	10380	13660	187	
230	36.5	9420	12480	174	
240	33.0	8540	11400	160	
250	29.0	7740	10420	143	
260	24.4	7010	9520	123	
270	18.9	6350	8690	98	
280	10.9	5750	7940	61	
290 feet	51	80.9	66980	66980	294
	60	79.1	66300	66300	292
	70	77.1	63870	64860	290
	80	75.0	52810	61270	288
	90	73.0	44560	52570	285
	100	70.9	38170	45660	282
	110	68.8	33720	40690	278
	120	66.7	29560	36040	274
	130	64.5	26110	32120	269
	140	62.3	23190	28770	264
	150	60.0	20690	25870	259
	160	57.7	18540	23360	253
170	55.3	16650	21130	246	
180	52.9	14990	19170	239	
190	50.4	13520	17410	231	
200	47.8	12200	15830	222	
210	45.0	11020	14410	213	
220	42.2	9960	13120	202	
230	39.1	8980	11940	191	
240	35.9	8100	10860	178	
250	32.4	7310	9880	163	
260	28.5	6570	8980	146	
270	24.0	5890	8140	125	
280	18.5	5280	7370	100	
290	10.7	4730	6680	62	

HIGH LIFT RATINGS (cont.)

With 92H High Lift Boom and 90,000 lb. Counterweight

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point	
			Over Side	Over Rear		
300 feet	53	80.8	68660	68660	304	
	60	79.4	68660	68660	302	
	70	77.5	63460	68660	300	
	80	75.5	52370	60610	298	
	90	73.6	44100	51910	295	
	100	71.6	37710	45010	292	
	110	69.5	33270	40050	289	
	120	67.5	29110	35400	285	
	130	65.4	25650	31480	280	
	140	63.3	22720	28130	276	
	150	61.1	20230	25250	270	
	160	58.9	18070	22730	264	
	170	56.6	16170	20500	258	
	180	54.3	14510	18540	251	
	190	51.9	13040	16780	244	
	200	49.5	11720	15210	236	
	210	46.9	10540	13780	227	
	220	44.2	9460	12490	217	
	230	41.4	8500	11320	206	
	240	38.5	7610	10240	194	
	250	35.3	6810	9260	181	
	260	31.8	6070	8350	166	
	270	28.0	5400	7510	148	
	280	23.6	4780	6750	128	
	290	18.2	4210	6040	101	
	300	10.5	3710	5390	62	
	310 feet	54	80.9	65190	65190	314
		60	79.8	65190	65190	313
		70	77.9	63050	65190	311
		80	76.0	51950	60030	308
90		74.1	43680	51330	306	
100		72.2	37280	44440	303	
110		70.2	32860	39510	299	
120		68.2	28690	34850	295	
130		66.2	25230	30930	291	
140		64.2	22300	27590	287	
150		62.1	19800	24690	282	
160		60.0	17630	22170	276	
170		57.9	15750	19960	270	
180		55.6	14080	17980	263	
190		53.4	12600	16230	256	
200		51.0	11280	14660	249	
210		48.6	10100	13230	240	
220		46.1	9030	11940	231	
230		43.5	8050	10760	221	
240		40.7	7170	9690	210	
250	37.8	6370	8700	198		

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point	
			Over Side	Over Rear		
310 feet cont.	260	34.7	5630	7800	184	
	270	31.3	4940	6950	169	
	280	27.5	4330	6190	151	
	290	23.2	3750	5470	130	
	300	17.9	3230	4820	103	
	310	10.4	2760	4230	63	
	330 feet	57	80.9	56080	56080	333
		60	80.4	56080	56080	333
		70	78.7	56080	56080	331
		80	76.9	51140	56080	329
90		75.1	42860	50300	326	
100		73.3	36460	43400	324	
110		71.5	32070	38520	320	
120		69.6	27900	33870	317	
130		67.8	24440	29950	313	
140		65.9	21510	26600	309	
150		63.9	19000	23710	304	
160		62.0	16830	21190	299	
170		60.0	14940	18960	293	
180		58.0	13280	17000	287	
190		55.9	11790	15240	281	
200		53.8	10470	13670	274	
210		51.6	9290	12240	266	
220		49.4	8210	10940	258	
230		47.0	7240	9780	249	
240		44.6	6360	8700	239	
250	42.1	5540	7710	229		
260	39.4	4800	6800	217		
270	36.6	4120	5960	204		
280	33.6	3490	5180	190		
290	30.3	2910	4470	174		
300	26.7	2380	3800	156		
310	22.5	1890	3200	134		
320	17.4	1440	2620	106		
330	10.0	—	2120	65		
340 feet	59	80.9	53230	53230	343	
	60	80.7	53230	53230	343	
	70	79.0	53230	53230	341	
	80	77.3	50720	53230	339	
	90	75.5	42430	49720	337	
	100	73.8	36010	42820	334	
	110	72.0	31650	37950	331	
	120	70.2	27470	33300	328	
	130	68.4	24000	29380	324	
	140	66.6	21070	26030	320	
150	64.8	18560	23140	315		

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
340 feet cont.	160	62.9	16390	20620	310
	170	61.0	14490	18400	305
	180	59.0	12830	16440	299
	190	57.0	11350	14680	293
	200	55.0	10030	13100	286
	210	52.9	8840	11680	279
	220	50.8	7760	10380	271
	230	48.6	6790	9210	263
	240	46.3	5910	8140	253
	250	43.9	5090	7150	243
	260	41.4	4340	6230	233
	270	38.8	3660	5400	221
	280	36.0	3030	4620	208
	290	33.1	2460	3910	193
	300	29.8	1910	3230	177
310	26.2	1420	2620	158	
320	22.1	—	2040	136	
330	17.1	—	1520	108	
340	9.9	—	1040	66	
350 feet	60	81.0	52900	52900	353
	70	79.3	52900	52900	351
	80	77.6	50280	52900	349
	90	76.0	41980	49060	347
	100	74.3	36320	42930	344
	110	72.6	31200	37320	341
	120	70.8	27020	32670	338
	130	69.1	23540	28750	335
	140	67.3	20610	25400	331
	150	65.5	18090	22510	326
	160	63.7	15920	19990	321
	170	61.9	14020	17770	316
	180	60.0	12340	15800	311
	190	58.1	10870	14050	305
	200	56.2	9540	12470	298
210	54.2	8350	11050	291	
220	52.1	7270	9750	284	
230	50.0	6290	8570	276	
240	47.8	5400	7500	267	
250	45.6	4600	6520	258	
260	43.2	3850	5600	247	
270	40.8	3170	4770	236	
280	38.2	2530	3980	224	
290	35.5	1950	3270	211	
300	32.6	1410	2600	196	
310	29.4	—	1980	179	
320	25.9	—	1400	160	
330	21.8	—	870	138	

9530.07

CRANE RATING DATA

Load ratings are in pounds and do not exceed 85% of the load which would cause tipping with crane standing level on firm uniformly supporting surface. Safe loads depend on ground conditions, boom length, radius of operation, and proper handling, all of which must be taken into consideration by user.

Tire inflation pressure for "Free Ratings" is 100 P.S.I. Free ratings do not exceed maximum permissible tire load. Tire pressure shall be reduced for over-the-road travel.

Approved working areas "Free Over Side" and "Free Over Rear" are shown under Diagram No. 1. Approved working areas "Outriggers Extended and Set Over Side or Rear" are shown under Diagram No. 2.

"Radius in feet" is the horizontal distance at crane base level from center of rotation to a vertical line through the center of gravity of the suspended load.

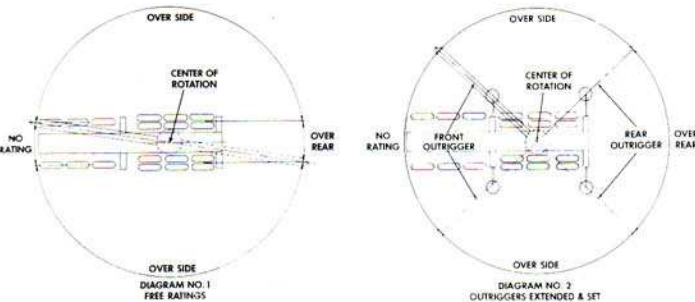
Lifting is approved only in those areas for which ratings are shown in the rating chart. Blocks, slings, buckets, and other load carrying devices are considered part of the load. The weight of the hoisting line has been deducted from these capacities. Retractable A-frame must be in fully raised position for all ratings. Ratings in shaded areas are limited by strength of material or factors other than stability.

Main load line is 1-1/8 inch diameter with a minimum breaking strength of 130,000 pounds. Boom suspension line is 7/8 inch diameter with a minimum breaking strength of 79,600 pounds. Boom suspension pendants are 1-3/8 inch diameter with a minimum breaking strength of 211,000 pounds.

Boom and jib erection is over the rear of the machine with outriggers extended and set and with "Lift Rating" counterweight. A-frame must be fully raised and blocks, slings and other load carrying devices must be on the ground.

Compliance to B30.5 based on AMERICAN® carrier mounting.

Designed and rated to comply with ANSI Code B30.5.



LOAD HOISTING DATA*

Maximum Lifting Capacity - Lbs.	Min. Pts. of Line	Maximum Hoisting Distance in Feet	
		Main (Rear) Drum With Controlled Load Lowering	Auxiliary (Front) Drum With Controlled Load Lowering
74,280	2	976	512
37,140	1	1952	1024

*With 1-1/8 inch dia. rope on main drum and 1 inch dia. rope on aux. drum.

MAX BOOM AND JIB ERECTION WITH 90,000# CTWT.

92H High Lift Boom	No. 16 HL Jib
350'	0'
340'	60'
330'	100'
†350'	60'
†340'	100'

†With 10,000 lb. front bumper counterweight and boom erection assistor.

92H HIGH LIFT BOOM COMPOSITION

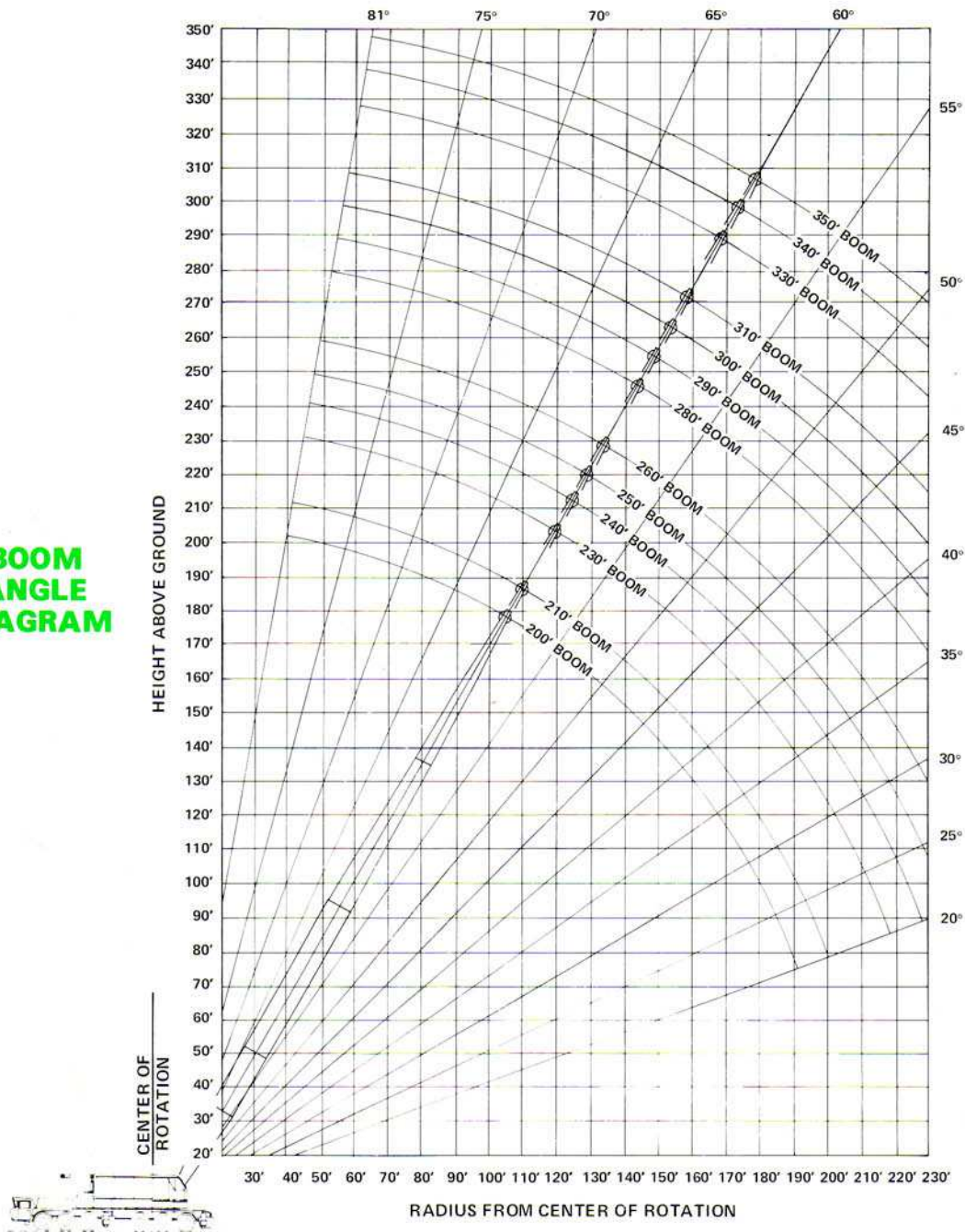
Boom Length (Feet)	30 Ft. 92HT Inner	20 Ft. 92HT Center	10 Ft. 92ST Center	50 Ft. 92S Center	50 Ft. 92L Center	50 Ft. 92L Outer Base	50 Ft. 92S Taper Base
200	1	1	—	—	1	1	1
210	1	1	1	—	1	1	1
230	1	—	—	1	1	1	1
250	1	1	—	1	1	1	1
260	1	1	1	1	1	1	1
280	1	—	—	2	1	1	1
290	1	—	1	2	1	1	1
300	1	1	—	2	1	1	1
310	1	1	1	2	1	1	1
330	1	—	—	3	1	1	1
340	1	—	1	3	1	1	1
350	1	1	—	3	1	1	1

NOTE: In accordance with varying material situations, and the Company's policy of constant product improvement these specifications subject to change without notice and without incurring responsibility to units previously sold.

AMERICAN MODEL 9530 HIGH LIFT CRANE

WORKING RANGES

**BOOM
ANGLE
DIAGRAM**



4JR808

FORM NO. 9530-T92HLR-2

PRINTED IN U.S.A.

SOLD & SERVICED BY:



CONSTRUCTION EQUIPMENT GROUP
63 SO. ROBERT ST., ST. PAUL, MN 55107



AMERICAN HOIST & DERRICK COMPANY
AN EQUAL OPPORTUNITY EMPLOYER

Courtesy of Crane.Market

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	55	80.8	32,000*				
	60	79.8	32,000*				
	70	77.8	32,000*	79.1	32,000*	80.4	31,530*
	80	75.8	32,000*	77.1	32,000*	78.3	29,660*
	90	73.7	32,000*	75.0	32,000*	76.2	28,110*
	100	71.7	32,000*	73.0	32,000*	74.1	26,640*
	110	69.6	32,000*	70.9	31,640*	72.0	25,480*
	120	67.5	30,400*	68.7	29,370*	69.9	24,290*
	130	65.3	26,990	66.6	26,990	67.7	23,280*
	140	63.1	24,110	64.4	24,110	65.5	22,410*
	150	60.9	21,650	62.1	21,650	63.2	21,610*
	160	58.6	19,520	59.8	19,520	60.9	19,530
	170	56.2	17,650	57.5	17,660	58.5	17,670
	180	53.8	16,020	55.0	16,030	56.0	16,040
	190	51.3	14,580	52.5	14,580	53.5	14,590
	200	48.7	13,290	49.9	13,300	50.8	13,310
	210	46.0	12,130	47.2	12,130	48.1	12,140
	220	43.2	11,090	44.3	11,100	45.2	11,110
	230	40.2	10,150	41.3	10,150	42.1	10,170
	240	37.0	9,300	38.1	9,300	38.8	9,310
250	33.5	8,530	34.6	8,540	35.2	8,550	
40' (12.2M) JIB & 260' (79.2M) BOOM	56	80.9	32,000*				
	60	80.2	32,000*				
	70	78.2	32,000*	79.5	32,000*	80.7	31,660*
	80	76.3	32,000*	77.5	32,000*	78.7	30,030*
	90	74.3	32,000*	75.6	32,000*	76.7	28,360*
	100	72.3	32,000*	73.6	32,000*	74.7	27,020*
	110	70.3	32,000*	71.5	31,060*	72.7	25,790*
	120	68.3	29,680*	69.5	28,690*	70.6	24,640*
	130	66.2	26,540	67.4	26,540	68.5	23,590*
	140	64.1	23,660	65.3	23,660	66.4	22,750*
	150	61.9	21,190	63.1	21,190	64.2	21,200
	160	59.7	19,060	60.9	19,060	62.0	19,070
	170	57.5	17,200	58.7	17,200	59.7	17,210
	180	55.2	15,570	56.4	15,570	57.4	15,580
	190	52.8	14,110	54.0	14,120	55.0	14,130
	200	50.4	12,820	51.5	12,830	52.5	12,840
	210	47.9	11,660	49.0	11,660	49.9	11,670
	220	45.2	10,610	46.3	10,620	47.2	10,630
	230	42.4	9,670	43.5	9,680	44.3	9,690
	240	39.5	8,810	40.6	8,820	41.3	8,830
250	36.4	8,040	37.4	8,050	38.1	8,060	
260	33.0	7,340	33.9	7,350	34.6	7,360	

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 & 280' (85.3M) BOOM	59	81.0	32,000*				
	60	80.8	32,000*				
	70	79.0	32,000*	80.2	32,000*		
	80	77.1	32,000*	78.3	32,000*	79.4	27,620*
	90	75.3	32,000*	76.5	31,420*	77.6	26,540*
	100	73.5	32,000*	74.6	30,060*	75.7	25,470*
	110	71.6	30,730*	72.7	28,680*	73.8	24,410*
	120	69.7	28,290*	70.8	27,370*	71.9	23,300*
	130	67.8	25,820	68.9	25,400*	69.9	22,270*
	140	65.8	22,930	67.0	22,940	68.0	21,290*
	150	63.8	20,460	65.0	20,470	66.0	20,310*
	160	61.8	18,330	62.9	18,340	63.9	18,340
	170	59.8	16,470	60.9	16,480	61.8	16,490
	180	57.7	14,840	58.8	14,840	59.7	14,850
	190	55.5	13,380	56.6	13,390	57.5	13,390
	200	53.3	12,090	54.4	12,090	55.3	12,100
	210	51.0	10,930	52.1	10,930	53.0	10,940
	220	48.7	9,880	49.7	9,880	50.6	9,890
	230	46.2	8,930	47.3	8,940	48.1	8,950
	240	43.7	8,070	44.7	8,080	45.5	8,090
250	41.0	7,290	42.0	7,300	42.8	7,310	
260	38.2	6,580	39.2	6,590	39.9	6,600	
270	35.1	5,930	36.1	5,940	36.7	5,950	
280	31.9	4,300*	32.8	5,330*	33.3	5,360	
40' (12.2M) JIB & 290' (88.4M) BOOM	61	80.9	32,000*				
	70	79.3	32,000*	80.5	31,660*		
	80	77.5	32,000*	78.7	30,290*	79.8	25,380*
	90	75.8	31,190*	76.9	28,800*	78.0	24,340*
	100	74.0	29,520*	75.1	27,460*	76.1	23,210*
	110	72.2	28,110*	73.3	26,110*	74.3	22,130*
	120	70.3	26,610*	71.4	24,900*	72.5	21,070*
	130	68.5	25,330*	69.6	23,670*	70.6	20,090*
	140	66.6	22,480	67.7	22,490	68.7	19,040*
	150	64.7	20,010	65.8	20,010	66.8	18,140*
	160	62.7	17,880	63.8	17,880	64.8	17,260*
	170	60.8	16,020	61.9	16,020	62.8	16,030
	180	58.8	14,370	59.8	14,380	60.8	14,390
	190	56.7	12,930	57.8	12,930	58.7	12,940
	200	54.6	11,620	55.7	11,630	56.5	11,640
	210	52.4	10,460	53.5	10,460	54.3	10,470
	220	50.2	9,410	51.2	9,420	52.1	9,430
	230	47.9	8,460	48.9	8,470	49.7	8,480
	240	45.5	7,610	46.5	7,610	47.3	7,630
	250	43.0	6,820	44.0	6,820	44.7	6,830
260	40.4	6,100	41.3	6,110	42.0	6,120	
270	37.6	4,350*	38.5	5,450	39.2	5,470	
280	34.6	2,030*	35.5	3,050*	36.1	3,770*	

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)
40' (12.2M) JIB & 280' (85.3M) BOOM	59	81.0	32,000*				
	60	80.8	32,000*				
	70	79.0	32,000*	80.2	32,000*		
	80	77.1	32,000*	78.3	32,000*	79.4	27,620*
	90	75.3	32,000*	76.5	31,420*	77.6	26,540*
	100	73.5	32,000*	74.6	30,060*	75.7	25,470*
	110	71.6	30,730*	72.7	28,680*	73.8	24,410*
	120	69.7	28,290*	70.8	27,370*	71.9	23,300*
	130	67.8	25,820	68.9	25,400*	69.9	22,270*
	140	65.8	22,930	67.0	22,940	68.0	21,290*
	150	63.8	20,460	65.0	20,470	66.0	20,310*
	160	61.8	18,330	62.9	18,340	63.9	18,340
	170	59.8	16,470	60.9	16,480	61.8	16,490
	180	57.7	14,840	58.8	14,840	59.7	14,850
	190	55.5	13,380	56.6	13,390	57.5	13,390
	200	53.3	12,090	54.4	12,090	55.3	12,100
	210	51.0	10,930	52.1	10,930	53.0	10,940
	220	48.7	9,880	49.7	9,880	50.6	9,890
	230	46.2	8,930	47.3	8,940	48.1	8,950
	240	43.7	8,070	44.7	8,080	45.5	8,090
250	41.0	7,290	42.0	7,300	42.8	7,310	
260	38.2	6,580	39.2	6,590	39.9	6,600	
270	35.1	5,930	36.1	5,940	36.7	5,950	
280	31.9	4,300*	32.8	5,330*	33.3	5,360	
40' (12.2M) JIB & 290' (88.4M) BOOM	61	80.9	32,000*				
	70	79.3	32,000*	80.5	31,660*		
	80	77.5	32,000*	78.7	30,290*	79.8	25,380*
	90	75.8	31,190*	76.9	28,800*	78.0	24,340*
	100	74.0	29,520*	75.1	27,460*	76.1	23,210*
	110	72.2	28,110*	73.3	26,110*	74.3	22,130*
	120	70.3	26,610*	71.4	24,900*	72.5	21,070*
	130	68.5	25,330*	69.6	23,670*	70.6	20,090*
	140	66.6	22,480	67.7	22,490	68.7	19,040*
	150	64.7	20,010	65.8	20,010	66.8	18,140*
	160	62.7	17,880	63.8	17,880	64.8	17,260*
	170	60.8	16,020	61.9	16,020	62.8	16,030
	180	58.8	14,370	59.8	14,380	60.8	14,390
	190	56.7	12,930	57.8	12,930	58.7	12,940
	200	54.6	11,620	55.7	11,630	56.5	11,640
	210	52.4	10,460	53.5	10,460	54.3	10,470
	220	50.2	9,410	51.2	9,420	52.1	9,430
	230	47.9	8,460	48.9	8,470	49.7	8,480
	240	45.5	7,610	46.5	7,610	47.3	7,630
	250	43.0	6,820	44.0	6,820	44.7	6,830
260	40.4	6,100	41.3	6,110	42.0	6,120	
270	37.6	4,350*	38.5	5,450	39.2	5,470	
280	34.6	2,030*	35.5	3,050*	36.1	3,770*	

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)
40' (12.2M) JIB & 300' (91.4M) BOOM	62	81.0	32,000*				
	70	79.6	32,000*	80.7	31,240*		
	80	77.9	32,000*	79.0	29,720*	80.1	24,910*
	90	76.2	30,540*	77.3	28,210*	78.3	23,850*
	100	74.4	28,860*	75.6	26,860*	76.6	22,710*
	110	72.7	27,330*	73.8	25,500*	74.8	21,530*
	120	70.9	25,950*	72.0	24,210*	73.0	20,460*
	130	69.1	24,670*	70.2	23,090*	71.2	19,460*
	140	67.3	22,010	68.4	21,930*	69.4	18,440*
	150	65.5	19,540	66.6	19,540	67.5	17,460*
	160	63.6	17,400	64.7	17,400	65.6	16,600*
	170	61.7	15,530	62.8	15,530	63.7	15,540
	180	59.8	13,890	60.8	13,890	61.7	13,900
	190	57.8	12,430	58.8	12,440	59.7	12,450
	200	55.8	11,130	56.8	11,130	57.7	11,140
	210	53.7	9,960	54.7	9,970	55.6	9,980
	220	51.6	8,910	52.6	8,920	53.4	8,930
	230	49.4	7,960	50.4	7,970	51.2	7,980
	240	47.1	7,100	48.1	7,100	48.9	7,110
	250	44.8	6,310	45.7	6,320	46.5	6,330
260	42.3	4,030*	43.3	5,600	44.0	5,610	
270	39.7	1,650*	40.7	2,890*	41.3	3,920*	
280	34.6	2,030*	35.5	3,050*	38.5	980*	
40' (12.2M) JIB & 310' (94.5M) BOOM	64	80.9	32,000*				
	70	79.9	31,370*				
	80	78.3	29,530*	79.3	27,280*	80.4	22,780*
	90	76.6	27,850*	77.7	25,830*	78.7	21,680*
	100	74.9	26,230*	76.0	24,420*	77.0	20,490*
	110	73.2	24,750*	74.3	23,110*	75.3	19,370*
	120	71.5	23,440*	72.6	21,860*	73.5	18,310*
	130	69.8	22,060*	70.8	20,700*	71.8	17,320*
	140	68.0	20,840*	69.1	19,540*	70.0	16,370*
	150	66.2	19,070	67.3	18,500*	68.2	15,430*
	160	64.4	16,930	65.5	16,930	66.4	14,540*
	170	62.6	15,060	63.6	15,060	64.5	13,670*
	180	60.7	13,410	61.8	13,410	62.6	12,850*
	190	58.8	11,950	59.8	11,950	60.7	11,960
	200	56.9	10,650	57.9	10,660	58.8	10,670
	210	54.9	9,480	55.9	9,480	56.7	9,490
	220	52.9	8,420	53.9	8,430	54.7	8,440
	230	50.8	7,470	51.8	7,480	52.6	7,490
	240	48.6	6,550*	49.6	6,610	50.4	6,620
	250	46.4	4,100*	47.4	5,830	48.1	5,840
260	44.1	1,680*	45.0	3,130*	45.7	4,410*	
270	39.7	1,650*	40.7	2,890*	43.3	1,370*	

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 & 330' (100.6M) BOOM	67	80.9	25,130*				
	70	80.5	24,650*				
	80	78.9	22,870*	79.9	21,160*	80.9	17,590*
	90	77.3	21,340*	78.3	19,770*	79.3	16,450*
	100	75.7	19,820*	76.8	18,500*	77.7	15,330*
	110	74.1	18,510*	75.1	17,270*	76.1	14,230*
	120	72.5	17,260*	73.5	16,110*	74.4	13,250*
	130	70.9	16,060*	71.9	15,030*	72.8	12,300*
	140	69.2	14,960*	70.2	13,960*	71.1	11,390*
	150	67.6	13,930*	68.6	13,040*	69.5	10,530*
	160	65.9	12,970*	66.9	12,100*	67.8	9,700*
	170	64.2	12,090*	65.2	11,270*	66.0	8,920*
	180	62.5	11,210*	63.4	10,460*	64.3	8,160*
	190	60.7	10,400*	61.7	9,670*	62.5	7,480*
	200	58.9	9,640*	59.9	8,940*	60.7	6,810*
	210	57.1	8,690	58.0	8,250*	58.8	6,170*
	220	55.2	7,630	56.1	7,580*	56.9	5,550*
230	53.3	6,680	54.2	6,680	55.0	4,970*	
240	51.3	4,570*	52.2	5,810	53.0	4,400*	
250	49.3	2,270*	50.2	3,920*	51.0	3,850*	
40' (12.2M) JIB & 340' (103.6M) BOOM	69	80.9	22,510*				
	70	80.7	22,390*				
	80	79.2	20,710*	80.2	19,140*		
	90	77.7	19,080*	78.7	17,710*	79.6	14,630*
	100	76.1	17,680*	77.1	16,470*	78.0	13,540*
	110	74.6	16,330*	75.5	15,260*	76.5	12,450*
	120	73.0	15,130*	74.0	14,130*	74.9	11,490*
	130	71.4	13,980*	72.4	13,080*	73.3	10,540*
	140	69.8	12,920*	70.8	12,060*	71.7	9,620*
	150	68.2	11,920*	69.2	11,130*	70.0	8,790*
	160	66.6	11,000*	67.5	10,210*	68.4	7,980*
	170	64.9	10,150*	65.9	9,390*	66.7	7,230*
	180	63.2	9,280*	64.2	8,600*	65.0	6,480*
	190	61.5	8,540*	62.5	7,880*	63.3	5,820*
	200	59.8	7,800*	60.7	7,180*	61.5	5,180*
	210	58.0	7,090*	59.0	6,480*	59.8	4,550*
	220	56.2	6,410*	57.2	5,850*	57.9	3,960*
230	54.4	4,800*	55.3	5,240*	56.1	3,390*	
240	52.5	2,490*	53.4	4,280*	54.2	2,860*	
250	49.3	2,270*	51.5	1,640*	52.2	2,330*	

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'	70	81.0	21,790*				
(12.2M)	80	79.5	20,030*	80.5	18,560*		
JIB	90	78.0	18,500*	79.0	17,170*	79.9	14,130*
&	100	76.5	16,990*	77.4	15,870*	78.3	12,990*
350'	110	75.0	15,680*	75.9	14,640*	76.8	11,930*
(106.7M)	120	73.4	14,450*	74.4	13,470*	75.3	10,890*
BOOM	130	71.9	13,270*	72.9	12,390*	73.7	9,920*
**SEE	140	70.4	12,200*	71.3	11,360*	72.2	8,990*
NOTE	150	68.8	11,230*	69.7	10,410*	70.6	8,140*
	160	67.2	10,280*	68.1	9,560*	69.0	7,320*
	170	65.6	9,420*	66.5	8,690*	67.4	6,560*
	180	64.0	8,550*	64.9	7,930*	65.7	5,840*
	190	62.3	7,770*	63.3	7,150*	64.1	5,140*
	200	60.7	7,060*	61.6	6,440*	62.4	4,490*
	210	59.0	6,340*	59.9	5,790*	60.6	3,870*
	220	57.2	4,980*	58.1	5,150*	58.9	3,280*
	230	55.4	2,600*	56.3	4,530*	57.1	2,710*
	230.0	54.4	4,800*	54.5	1,830*	55.3	2,170*
50'	57	80.9	29,230*				
(15.2M)	60	80.3	29,040*				
JIB	70	78.4	28,530*	80.0	25,870*		
&	80	76.4	27,910*	78.0	25,590*	79.5	23,650*
250'	90	74.5	27,430*	76.0	25,240*	77.5	23,380*
(76.2M)	100	72.5	26,840*	74.0	24,880*	75.5	22,520*
BOOM	110	70.5	26,450*	72.0	24,440*	73.4	21,430*
	120	68.4	25,880*	70.0	24,180*	71.4	20,500*
	130	66.4	25,490*	67.9	23,860*	69.3	19,690*
	140	64.2	24,210	65.8	23,570*	67.1	18,890*
	150	62.1	21,750	63.6	21,750	64.9	18,180*
	160	59.9	19,620	61.4	19,620	62.7	17,530*
	170	57.7	17,760	59.2	17,770	60.4	16,960*
	180	55.4	16,130	56.8	16,130	58.1	16,140
	190	53.0	14,670	54.5	14,680	55.7	14,690
	200	50.6	13,380	52.0	13,390	53.2	13,400
	210	48.0	12,230	49.4	12,230	50.6	12,240
	220	45.4	11,190	46.8	11,200	47.9	11,210
	230	42.6	10,250	44.0	10,260	45.0	10,270
	240	39.7	9,390	41.0	9,400	42.0	9,420
	250	36.5	8,610	37.8	8,620	38.7	8,640

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 & 260' (79.2M) BOOM	59	80.8	29,020*				
	60	80.6	28,910*				
	70	78.8	28,390*	80.3	25,840*		
	80	76.9	27,960*	78.4	25,480*	79.8	23,510*
	90	75.0	27,330*	76.5	25,150*	77.9	23,300*
	100	73.1	26,880*	74.6	24,760*	76.0	22,770*
	110	71.1	26,400*	72.6	24,450*	74.0	21,700*
	120	69.2	25,910*	70.6	24,120*	72.0	20,780*
	130	67.2	25,500*	68.6	23,850*	70.0	19,910*
	140	65.1	23,760	66.6	23,500*	67.9	19,150*
	150	63.1	21,290	64.5	21,300	65.8	18,400*
	160	61.0	19,160	62.4	19,170	63.7	17,810*
	170	58.8	17,300	60.3	17,300	61.5	17,190*
	180	56.6	15,660	58.1	15,670	59.3	15,680
	190	54.4	14,220	55.8	14,220	57.0	14,230
	200	52.1	12,920	53.5	12,930	54.6	12,940
	210	49.7	11,770	51.1	11,770	52.2	11,780
	220	47.2	10,720	48.5	10,730	49.6	10,740
	230	44.6	9,780	45.9	9,780	47.0	9,800
	240	41.9	8,920	43.2	8,920	44.2	8,940
250	39.0	8,140	40.3	8,150	41.2	8,160	
260	35.9	7,430	37.1	7,440	38.0	7,460	
50' (15.2M) JIB & 280' (85.3M) BOOM	62	80.9	28,300*				
	70	79.5	27,920*	80.9	25,320*		
	80	77.7	27,430*	79.1	25,020*	80.5	22,900*
	90	75.9	26,990*	77.3	24,770*	78.7	22,750*
	100	74.1	26,540*	75.5	24,460*	76.9	22,410*
	110	72.3	26,090*	73.7	24,110*	75.0	21,720*
	120	70.5	25,530*	71.9	23,800*	73.2	21,050*
	130	68.6	24,840*	70.0	23,460*	71.3	20,360*
	140	66.7	23,030	68.1	22,400*	69.4	19,580*
	150	64.8	20,570	66.2	20,580	67.4	18,930*
	160	62.9	18,440	64.3	18,440	65.5	18,240*
	170	60.9	16,570	62.3	16,580	63.5	16,590
	180	58.9	14,930	60.3	14,940	61.4	14,950
	190	56.8	13,490	58.2	13,490	59.3	13,500
	200	54.7	12,190	56.1	12,200	57.2	12,210
	210	52.6	11,030	53.9	11,040	55.0	11,050
	220	50.3	9,980	51.6	9,990	52.7	10,000
	230	48.0	9,030	49.3	9,040	50.4	9,050
	240	45.6	8,180	46.9	8,190	47.9	8,200
	250	43.1	7,400	44.4	7,400	45.3	7,420
260	40.5	6,680	41.7	6,690	42.6	6,700	
270	37.7	6,030	38.9	6,030	39.8	6,050	
280	34.7	5,430	35.9	5,440	36.7	5,450	

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 & 290' (88.4M) BOOM	63	81.0	28,050*				
	70	79.8	27,660*				
	80	78.1	27,250*	79.5	24,810*	80.8	22,580*
	90	76.3	26,770*	77.7	24,530*	79.0	22,400*
	100	74.6	26,300*	76.0	24,140*	77.3	22,040*
	110	72.8	25,820*	74.2	23,870*	75.5	21,150*
	120	71.1	25,350*	72.4	23,540*	73.7	20,150*
	130	69.3	24,220*	70.6	22,910*	71.9	19,230*
	140	67.5	22,440*	68.8	21,810*	70.0	18,340*
	150	65.6	20,120	67.0	20,130	68.2	17,480*
	160	63.8	17,990	65.1	17,990	66.3	16,660*
	170	61.9	16,120	63.2	16,120	64.4	15,850*
	180	59.9	14,480	61.2	14,480	62.4	14,500
	190	57.9	13,030	59.3	13,040	60.4	13,050
	200	55.9	11,730	57.2	11,730	58.3	11,740
	210	53.9	10,560	55.1	10,570	56.2	10,580
	220	51.7	9,520	53.0	9,530	54.1	9,540
	230	49.5	8,570	50.8	8,580	51.8	8,590
	240	47.3	7,710	48.5	7,710	49.5	7,730
	250	44.9	6,920	46.1	6,930	47.1	6,940
260	42.5	6,200	43.7	6,210	44.6	6,220	
270	39.9	5,550	41.0	5,550	41.9	5,570	
280	37.1	4,940	38.3	4,950	39.1	4,970	
290	34.2	2,160*	35.3	3,790*	36.0	4,420	
50' (15.2M) JIB & 300' (91.4M) BOOM	65	80.9	27,980*				
	70	80.1	27,700*				
	80	78.4	27,180*	79.8	24,860*	79.3	22,350*
	90	76.7	26,770*	78.1	24,440*	77.6	21,570*
	100	75.0	26,320*	76.4	24,210*	75.9	20,580*
	110	73.3	25,760*	74.7	23,850*	74.2	19,660*
	120	71.6	25,320*	73.0	23,460*	72.4	18,730*
	130	69.9	23,580*	71.2	22,320*	70.6	17,770*
	140	68.1	21,820*	69.5	21,220*	68.8	16,900*
	150	66.4	19,650	67.7	19,650	67.0	16,010*
160	64.6	17,510	65.9	17,510	65.2	15,210*	
170	62.7	15,650	64.0	15,650			

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 & 300' (91.4M) BOOM	180	60.9	14,000	62.2	14,000	63.3	14,010
	190	59.0	12,540	60.2	12,540	61.3	12,550
	200	57.0	11,240	58.3	11,250	59.4	11,260
	210	55.1	10,080	56.3	10,080	57.4	10,090
	220	53.0	9,020	54.3	9,030	55.3	9,040
	230	50.9	8,070	52.2	8,080	53.2	8,090
	240	48.8	7,210	50.0	7,210	51.0	7,230
	250	46.5	6,420	47.7	6,430	48.7	6,440
	260	44.2	5,700	45.4	5,710	46.3	5,720
	270	41.8	4,440*	43.0	5,050	43.8	5,060
280	39.3	1,580*	40.4	3,550*	41.2	4,460	
290	34.2	2,160*	35.3	3,790*	38.4	1,350*	
50' (15.2M) JIB & 310' (94.5M) BOOM	66	81.0	27,580*				
	70	80.3	27,330*				
	80	78.7	26,890*	80.1	24,510*		
	90	77.1	26,340*	78.4	24,160*	79.6	20,650*
	100	75.5	25,630*	76.8	23,590*	78.0	19,560*
	110	73.8	24,200*	75.1	22,360*	76.3	18,630*
	120	72.2	22,830*	73.5	21,180*	74.6	17,630*
	130	70.5	21,570*	71.8	20,050*	72.9	16,700*
	140	68.8	20,420*	70.1	19,020*	71.2	15,810*
	150	67.1	19,180	68.3	17,960*	69.5	14,910*
	160	65.3	17,040	66.6	17,020*	67.7	14,060*
	170	63.5	15,160	64.8	15,170	65.9	13,300*
	180	61.8	13,520	63.0	13,530	64.1	12,500*
	190	59.9	12,060	61.2	12,070	62.3	11,770*
	200	58.1	10,760	59.3	10,760	60.4	10,770
	210	56.2	9,590	57.4	9,600	58.4	9,610
	220	54.2	8,540	55.4	8,540	56.4	8,560
	230	52.2	7,590	53.4	7,590	54.4	7,610
240	50.2	6,720	51.4	6,720	52.3	6,740	
250	48.0	5,930	49.2	5,940	50.2	5,950	
260	45.9	4,360*	47.0	5,210	47.9	5,230	
270	43.6	1,480*	44.7	3,770*	45.6	4,570	
280	39.3	1,580*	40.4	3,550*	43.1	1,880*	
50' (15.2M) JIB & 330' (100.6M) BOOM	70	80.9	24,020*				
	80	79.3	22,310*	80.6	20,410*		
	90	77.8	20,790*	79.0	19,100*	80.2	15,720*
	100	76.2	19,380*	77.5	17,890*	78.6	14,730*
	110	74.7	18,060*	75.9	16,720*	77.1	13,750*
	120	73.1	16,870*	74.4	15,650*	75.5	12,810*
	130	71.5	15,700*	72.8	14,610*	73.9	11,910*
140	69.9	14,680*	71.2	13,640*	72.3	11,030*	
150	68.3	13,670*	69.5	12,730*	70.6	10,220*	

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'	160	66.7	12,750*	67.9	11,870*	69.0	9,450*
(15.2M)	170	65.0	11,860*	66.2	11,010*	67.3	8,720*
JIB	180	63.4	11,040*	64.6	10,270*	65.6	8,020*
&	190	61.7	10,220*	62.8	9,490*	63.9	7,340*
330'	200	59.9	9,470*	61.1	8,810*	62.1	6,700*
(100.6M)	210	58.2	8,790*	59.3	8,130*	60.3	6,100*
BOOM	220	56.4	7,750	57.5	7,470*	58.5	5,510*
	230	54.5	6,790	55.7	6,800	56.6	4,950*
	240	52.6	5,920	53.8	5,930	54.7	4,410*
	250	50.7	4,670*	51.8	5,140	52.8	3,890*
	260	48.7	2,030*	49.8	4,410	50.7	3,390*
50'	71	80.9	21,710*				
(15.2M)	80	79.6	20,170*	80.8	18,500*		
JIB	90	78.1	18,660*	79.3	17,230*	80.5	14,090*
&	100	76.6	17,320*	77.8	15,950*	78.9	13,030*
340'	110	75.1	16,010*	76.3	14,870*	77.4	12,050*
(103.6M)	120	73.6	14,840*	74.8	13,770*	75.9	11,130*
BOOM	130	72.0	13,720*	73.2	12,750*	74.3	10,260*
	140	70.5	12,660*	71.7	11,770*	72.8	9,380*
	150	68.9	11,690*	70.1	10,860*	71.2	8,600*
	160	67.3	10,770*	68.5	10,020*	69.6	7,840*
	170	65.7	9,930*	66.9	9,210*	67.9	7,120*
	180	64.1	9,140*	65.3	8,480*	66.3	6,410*
	190	62.5	8,360*	63.6	7,740*	64.6	5,760*
	200	60.8	7,650*	61.9	7,070*	62.9	5,140*
	210	59.1	6,970*	60.2	6,400*	61.2	4,540*
	220	57.3	6,340*	58.5	5,780*	59.4	3,960*
	230	55.6	5,720*	56.7	5,200*	57.7	3,430*
	240	53.8	4,750*	54.9	4,620*	55.8	2,900*
	250	51.9	2,160*	53.0	4,070*	53.9	2,400*
	260	48.7	2,030*	51.1	1,600*	52.0	1,910*
50'	73	80.9	20,740*				
(15.2M)	80	79.9	19,580*				
JIB	90	78.4	18,110*	79.6	16,700*	80.7	13,620*
&	100	76.9	16,690*	78.1	15,450*	79.2	12,560*
350'	110	75.5	15,390*	76.7	14,240*	77.7	11,540*
(106.7M)	120	74.0	14,170*	75.2	13,130*	76.2	10,590*
BOOM	130	72.5	13,010*	73.7	12,130*	74.7	9,660*
**SEE	140	71.0	11,970*	72.1	11,130*	73.2	8,810*
NOTE	150	69.5	11,000*	70.6	10,250*	71.7	7,980*
	160	67.9	10,080*	69.1	9,380*	70.1	7,200*
	170	66.4	9,230*	67.5	8,550*	68.5	6,490*
	180	64.8	8,430*	65.9	7,780*	66.9	5,780*
	190	63.2	7,660*	64.3	7,070*	65.3	5,130*

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 & 350' (106.7M) BOOM **SEE NOTE	200	61.6	6,950*	62.7	6,370*	63.7	4,490*
	210	59.9	6,270*	61.1	5,720*	62.0	3,890*
	220	58.3	5,620*	59.4	5,100*	60.3	3,320*
	230	56.6	4,780*	57.7	4,510*	58.6	2,780*
	240	54.8	2,120*	55.9	3,950*	56.8	2,250*
	250	51.9	2,160*	54.1	1,710*	55.0	1,740*
60' (18.3M) JIB & 250' (76.2M) BOOM	59	81.0	23,760*				
	60	80.8	23,700*				
	70	78.9	23,170*	80.8	20,850*		
	80	77.0	22,740*	78.9	20,480*	80.6	18,740*
	90	75.1	22,210*	77.0	20,160*	78.7	18,500*
	100	73.2	21,720*	75.0	19,870*	76.7	18,320*
	110	71.3	21,340*	73.1	19,480*	74.8	18,070*
	120	69.3	20,890*	71.1	19,220*	72.8	17,790*
	130	67.3	20,500*	69.1	18,900*	70.7	17,030*
	140	65.3	20,050*	67.1	18,610*	68.7	16,380*
	150	63.2	19,740*	65.0	18,400*	66.6	15,740*
	160	61.1	19,360*	62.9	18,120*	64.4	15,210*
	170	59.0	17,860	60.7	17,860*	62.3	14,700*
	180	56.8	16,220	58.5	16,230	60.0	14,250*
	190	54.5	14,780	56.3	14,780	57.7	13,800*
	200	52.2	13,480	53.9	13,490	55.3	13,420*
	210	49.8	12,330	51.5	12,330	52.9	12,350
	220	47.3	11,280	49.0	11,290	50.3	11,300
	230	44.7	10,350	46.4	10,350	47.7	10,370
	240	42.0	9,490	43.6	9,500	44.8	9,510
250	39.1	8,710	40.7	8,720	41.8	8,740	
60' (18.3M) JIB & 260' (79.2M) BOOM	61	80.9	23,600*				
	70	79.3	23,160*				
	80	77.5	22,670*	79.2	20,500*	80.9	18,620*
	90	75.6	22,260*	77.4	20,170*	79.1	18,440*
	100	73.8	21,800*	75.5	19,810*	77.2	18,270*
	110	71.9	21,310*	73.6	19,540*	75.3	18,000*
	120	70.0	20,900*	71.7	19,190*	73.3	17,820*
	130	68.1	20,540*	69.8	18,900*	71.4	17,280*
	140	66.1	20,130*	67.8	18,630*	69.4	16,580*
	150	64.1	19,790*	65.9	18,380*	67.4	15,970*
	160	62.1	19,260	63.8	18,160*	65.3	15,410*
	170	60.1	17,400	61.8	17,410	63.2	14,890*
	180	58.0	15,770	59.6	15,770	61.1	14,390*
	190	55.8	14,320	57.5	14,330	58.9	13,980*
	200	53.6	13,030	55.3	13,030	56.7	13,050
210	51.3	11,870	53.0	11,870	54.3	11,890	

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 & 260' (79.2M) BOOM	220	49.0	10,820	50.6	10,830	51.9	10,840
	230	46.5	9,870	48.1	9,880	49.4	9,900
	240	44.0	9,020	45.6	9,030	46.8	9,050
	250	41.3	8,230	42.8	8,240	44.0	8,260
	260	38.5	7,530	40.0	7,540	41.1	7,560
60' (18.3M) JIB & 280' (85.3M) BOOM	64	80.9	23,040*				
	70	79.9	22,860*				
	80	78.2	22,440*	79.9	20,210*		
	90	76.5	22,010*	78.2	19,920*	79.7	18,110*
	100	74.7	21,520*	76.4	19,570*	78.0	17,950*
	110	73.0	21,150*	74.6	19,300*	76.2	17,730*
	120	71.2	20,750*	72.9	19,010*	74.4	17,600*
	130	69.4	20,350*	71.1	18,730*	72.6	17,390*
	140	67.6	20,050*	69.2	18,500*	70.7	16,970*
	150	65.8	19,630*	67.4	18,270*	68.8	16,330*
	160	63.9	18,540	65.5	17,980*	66.9	15,750*
	170	62.0	16,680	63.6	16,680	65.0	15,220*
	180	60.1	15,040	61.7	15,050	63.0	14,740*
	190	58.1	13,590	59.7	13,600	61.0	13,610
	200	56.1	12,300	57.6	12,300	59.0	12,320
	210	54.0	11,130	55.6	11,140	56.9	11,150
	220	51.9	10,080	53.4	10,090	54.7	10,100
	230	49.7	9,130	51.2	9,140	52.4	9,160
	240	47.4	8,280	48.9	8,280	50.1	8,300
	250	45.1	7,490	46.5	7,500	47.7	7,520
260	42.6	6,770	44.0	6,780	45.2	6,800	
270	40.0	6,130	41.4	6,140	42.5	6,150	
280	37.3	5,520	38.7	5,530	39.7	5,550	
60' (18.3M) JIB & 290' (88.4M) BOOM	66	80.9	22,860*				
	70	80.2	22,640*				
	80	78.5	22,290*	80.2	20,000*		
	90	76.9	21,840*	78.5	19,780*	80.0	17,910*
	100	75.2	21,410*	76.8	19,480*	78.3	17,720*
	110	73.5	21,010*	75.1	19,210*	76.6	17,560*
	120	71.8	20,640*	73.4	18,950*	74.8	17,360*
	130	70.0	20,260*	71.6	18,620*	73.1	17,170*
	140	68.3	19,940*	69.9	18,410*	71.3	17,000*
	150	66.5	19,540*	68.1	18,150*	69.5	16,480*
	160	64.7	18,100	66.3	17,850*	67.7	15,910*
170	62.9	16,240	64.4	16,240	65.8	15,290*	
180	61.0	14,590	62.6	14,590	63.9	14,560*	
190	59.1	13,140	60.6	13,140	62.0	13,160	

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 & 290' (88.4M) BOOM	200	57.2	11,840	58.7	11,850	60.0	11,860
	210	55.2	10,680	56.7	10,680	58.0	10,700
	220	53.2	9,620	54.7	9,630	55.9	9,650
	230	51.1	8,670	52.6	8,680	53.8	8,700
	240	48.9	7,820	50.4	7,820	51.6	7,840
	250	46.7	7,030	48.1	7,040	49.3	7,050
	260	44.4	6,310	45.8	6,320	46.9	6,330
	270	41.9	5,650	43.3	5,660	44.4	5,670
	280	39.4	5,040	40.8	5,050	41.8	5,070
290	36.7	4,490	38.0	4,500	39.0	4,520	
60' (18.3M) JIB & 300' (91.4M) BOOM	67	81.0	22,770*				
	70	80.5	22,710*				
	80	78.9	22,320*	80.5	20,010*		
	90	77.2	21,870*	78.8	19,780*	80.3	17,940*
	100	75.6	21,500*	77.2	19,500*	78.7	17,710*
	110	74.0	21,050*	75.5	19,200*	77.0	17,550*
	120	72.3	20,690*	73.9	18,970*	75.3	17,390*
	130	70.6	20,330*	72.2	18,650*	73.6	17,160*
	140	68.9	19,960*	70.5	18,380*	71.9	17,010*
	150	67.2	19,140*	68.7	18,090*	70.1	16,290*
	160	65.5	17,630	67.0	17,390*	68.4	15,500*
	170	63.7	15,750	65.2	15,760	66.6	14,680*
	180	61.9	14,110	63.4	14,120	64.7	13,960*
	190	60.1	12,650	61.6	12,660	62.9	12,670
	200	58.2	11,360	59.7	11,360	61.0	11,380
	210	56.3	10,190	57.8	10,200	59.0	10,210
	220	54.3	9,140	55.8	9,150	57.1	9,160
	230	52.4	8,190	53.8	8,190	55.0	8,210
	240	50.3	7,320	51.7	7,320	52.9	7,340
	250	48.2	6,530	49.6	6,540	50.8	6,550
260	46.0	5,810	47.4	5,810	48.5	5,830	
270	43.7	5,150	45.1	5,160	46.2	5,180	
280	41.3	4,550	42.7	4,550	43.7	4,570	
290	38.8	1,590*	40.1	3,990	41.1	4,010	
60' (18.3M) JIB & 310' (94.5M) BOOM	69	80.9	22,510*				
	70	80.7	22,400*				
	80	79.2	22,080*	80.7	19,810*		
	90	77.6	21,690*	79.1	19,550*	80.6	17,660*
	100	76.0	21,240*	77.5	19,320*	79.0	17,490*
	110	74.4	20,810*	75.9	19,010*	77.3	17,310*
	120	72.8	20,430*	74.3	18,730*	75.7	16,890*
	130	71.2	20,050*	72.7	18,480*	74.1	16,020*
	140	69.5	19,660*	71.0	18,190*	72.4	15,200*
	150	67.8	18,540*	69.3	17,500*	70.7	14,400*

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 & 310' (94.5M) BOOM	160	66.2	17,150	67.6	16,530*	69.0	13,590*
	170	64.5	15,280	65.9	15,290	67.3	12,860*
	180	62.7	13,640	64.2	13,650	65.5	12,150*
	190	61.0	12,180	62.4	12,190	63.7	11,450*
	200	59.2	10,870	60.6	10,880	61.9	10,770*
	210	57.3	9,710	58.8	9,710	60.0	9,730
	220	55.5	8,650	56.9	8,660	58.1	8,670
	230	53.5	7,700	55.0	7,710	56.2	7,720
	240	51.6	6,840	53.0	6,850	54.2	6,860
	250	49.6	6,050	51.0	6,060	52.1	6,070
	260	47.5	5,320	48.9	5,330	50.0	5,350
	270	45.3	4,660	46.7	4,670	47.7	4,680
280	43.1	1,300*	44.4	4,060	45.4	4,070	
290	38.8	1,590*	40.1	3,990	43.0	3,060*	
60' (18.3M) JIB & 330' (100.6M) BOOM	72	80.9	21,340*				
	80	79.7	21,030*				
	90	78.2	20,310*	79.7	18,440*		
	100	76.7	18,950*	78.2	17,280*	79.6	14,080*
	110	75.2	17,640*	76.7	16,230*	78.0	13,220*
	120	73.7	16,470*	75.1	15,160*	76.5	12,330*
	130	72.2	15,340*	73.6	14,230*	74.9	11,520*
	140	70.6	14,360*	72.0	13,310*	73.3	10,730*
	150	69.0	13,380*	70.5	12,380*	71.8	9,950*
	160	67.5	12,460*	68.9	11,550*	70.2	9,230*
	170	65.9	11,610*	67.3	10,800*	68.5	8,520*
	180	64.2	10,800*	65.6	10,030*	66.9	7,860*
	190	62.6	10,040*	64.0	9,310*	65.2	7,200*
	200	60.9	9,320*	62.3	8,640*	63.5	6,600*
	210	59.2	8,620*	60.6	7,990*	61.8	6,000*
	220	57.5	7,860	58.8	7,360*	60.0	5,460*
	230	55.7	6,910	57.1	6,750*	58.2	4,910*
	240	53.9	6,040	55.2	6,040	56.4	4,390*
250	52.0	5,240	53.4	5,250	54.5	3,880*	
260	50.1	4,520	51.5	4,530	52.5	3,410*	
270	48.2	1,800*	49.5	3,870	50.5	2,930*	
60' (18.3M) JIB & 340' (103.6M) BOOM	74	80.9	20,680*				
	80	80.0	19,720*				
	90	78.5	18,270*	80.0	16,600*		
	100	77.1	16,940*	78.5	15,510*	79.8	12,550*
	110	75.6	15,650*	77.0	14,410*	78.3	11,650*
	120	74.1	14,490*	75.5	13,360*	76.8	10,770*
	130	72.6	13,410*	74.0	12,400*	75.3	9,930*
140	71.1	12,400*	72.5	11,490*	73.8	9,130*	
150	69.6	11,450*	71.0	10,600*	72.2	8,380*	

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 & 340' (103.6M) BOOM	160	68.0	10,560*	69.4	9,820*	70.7	7,640*
	170	66.5	9,720*	67.9	9,020*	69.1	6,970*
	180	64.9	8,970*	66.3	8,310*	67.5	6,310*
	190	63.3	8,210*	64.7	7,630*	65.9	5,690*
	200	61.7	7,540*	63.1	6,960*	64.2	5,070*
	210	60.1	6,860*	61.4	6,310*	62.6	4,500*
	220	58.4	6,230*	59.7	5,710*	60.9	3,960*
	230	56.7	5,650*	58.0	5,150*	59.1	3,430*
	240	54.9	5,060*	56.3	4,600*	57.4	2,930*
	250	53.2	4,510*	54.5	4,080*	55.6	2,450*
	260	51.3	1,790*	52.6	3,560*	53.7	1,980*
270	48.2	1,800*	50.7	1,680*	51.8	1,530*	
60' (18.3M) JIB & 350' (106.7M) BOOM **SEE NOTE	75	80.9	19,950*				
	80	80.2	19,160*				
	90	78.8	17,650*	80.2	16,150*		
	100	77.4	16,270*	78.8	14,960*	80.1	12,100*
	110	76.0	15,020*	77.3	13,860*	78.6	11,150*
	120	74.5	13,830*	75.9	12,790*	77.2	10,290*
	130	73.1	12,770*	74.4	11,800*	75.7	9,420*
	140	71.6	11,740*	73.0	10,920*	74.2	8,610*
	150	70.1	10,790*	71.5	10,040*	72.7	7,830*
	160	68.6	9,880*	70.0	9,180*	71.2	7,090*
	170	67.1	9,050*	68.4	8,420*	69.7	6,390*
	180	65.6	8,260*	66.9	7,680*	68.1	5,710*
	190	64.0	7,540*	65.4	6,960*	66.5	5,090*
	200	62.5	6,830*	63.8	6,300*	64.9	4,480*
	210	60.9	6,170*	62.2	5,670*	63.3	3,890*
	220	59.2	5,550*	60.6	5,060*	61.7	3,330*
230	57.6	4,940*	58.9	4,490*	60.0	2,820*	
240	55.9	4,370*	57.2	3,950*	58.3	2,300*	
250	54.2	1,590*	55.5	3,420*	56.6	1,820*	
260	51.3	1,790*	53.7	1,640*	54.8	1,350*	
70' (21.3M) JIB & 250' (76.2M) BOOM	62	80.9	17,900*				
	70	79.4	17,580*				
	80	77.6	17,050*	79.7	15,140*		
	90	75.8	16,640*	77.8	14,850*	79.8	13,420*
	100	73.9	16,230*	76.0	14,550*	77.9	13,240*
	110	72.0	15,770*	74.1	14,210*	76.0	13,010*
	120	70.1	15,410*	72.2	13,960*	74.1	12,820*
	130	68.2	15,030*	70.3	13,670*	72.1	12,660*
	140	66.3	14,680*	68.3	13,400*	70.1	12,440*
	150	64.3	14,360*	66.3	13,200*	68.1	12,220*
	160	62.3	14,090*	64.3	12,950*	66.1	12,050*
170	60.2	13,770*	62.2	12,750*	64.0	11,840*	

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)
70' (21.3M) JIB & 250' (76.2M) BOOM	180	58.1	13,520*	60.1	12,530*	61.8	11,700*
	190	56.0	13,260*	57.9	12,270*	59.6	11,540*
	200	53.8	13,010*	55.7	12,100*	57.3	11,420*
	210	51.5	12,400	53.4	11,890*	55.0	11,300*
	220	49.1	11,350	51.0	11,360	52.6	11,010*
	230	46.7	10,410	48.6	10,420	50.1	10,440
	240	44.1	9,550	46.0	9,560	47.4	9,580
	250	41.5	8,770	43.3	8,780	44.7	8,800
70' (21.3M) JIB & 260' (79.2M) BOOM	63	81.0	17,830*				
	70	79.8	17,560*				
	80	78.0	17,070*	80.0	15,160*		
	90	76.2	16,640*	78.2	14,820*	80.1	13,420*
	100	74.4	16,250*	76.4	14,530*	78.3	13,200*
	110	72.6	15,870*	74.6	14,220*	76.5	12,980*
	120	70.8	15,460*	72.8	13,990*	74.6	12,820*
	130	68.9	15,110*	70.9	13,720*	72.7	12,620*
	140	67.0	14,790*	69.0	13,470*	70.8	12,470*
	150	65.1	14,470*	67.1	13,240*	68.8	12,280*
	160	63.2	14,170*	65.1	13,010*	66.9	12,070*
	170	61.2	13,880*	63.1	12,820*	64.9	11,880*
	180	59.2	13,630*	61.1	12,610*	62.8	11,750*
	190	57.1	13,340*	59.0	12,350*	60.7	11,570*
	200	55.0	13,100	56.9	12,180*	58.5	11,440*
	210	52.9	11,940	54.7	11,950	56.3	11,350*
	220	50.6	10,890	52.5	10,900	54.0	10,910
230	48.3	9,940	50.1	9,950	51.7	9,970	
240	45.9	9,090	47.7	9,100	49.2	9,120	
250	43.4	8,310	45.2	8,320	46.6	8,340	
260	40.8	7,590	42.5	7,600	43.9	7,620	
70' (21.3M) JIB & 280' (85.3M) BOOM	67	80.8	17,540*				
	70	80.3	17,470*				
	80	78.7	17,040*	80.6	15,050*		
	90	77.0	16,640*	78.9	14,760*	80.7	13,240*
	100	75.3	16,230*	77.2	14,480*	79.0	13,070*
	110	73.6	15,860*	75.5	14,200*	77.3	12,890*
	120	71.9	15,530*	73.8	13,970*	75.5	12,720*
	130	70.2	15,130*	72.0	13,710*	73.8	12,570*
	140	68.4	14,810*	70.3	13,480*	72.0	12,380*
	150	66.6	14,500*	68.5	13,270*	70.2	12,250*
	160	64.8	14,260*	66.7	13,020*	68.3	12,080*
	170	63.0	13,940*	64.8	12,830*	66.5	11,970*
	180	61.1	13,680*	63.0	12,640*	64.6	11,820*
	190	59.2	13,410*	61.1	12,480*	62.6	11,640*
200	57.3	12,370	59.1	12,340*	60.7	11,520*	

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 & 280' (85.3M) BOOM	210	55.3	11,210	57.1	11,220	58.6	11,230
	220	53.3	10,160	55.1	10,170	56.5	10,190
	230	51.2	9,210	52.9	9,220	54.4	9,240
	240	49.1	8,360	50.8	8,370	52.2	8,380
	250	46.8	7,570	48.5	7,580	49.9	7,600
	260	44.5	6,850	46.2	6,860	47.5	6,880
	270	42.1	6,190	43.7	6,200	45.0	6,220
	280	39.5	5,590	41.2	5,600	42.4	5,620
70' (21.3M) JIB & 290' (88.4M) BOOM	68	80.9	17,470*				
	70	80.6	17,380*				
	80	79.0	17,010*	80.9	14,960*		
	90	77.4	16,570*	79.2	14,720*	81.0	13,210*
	100	75.7	16,250*	77.6	14,470*	79.3	13,020*
	110	74.1	15,820*	75.9	14,200*	77.6	12,870*
	120	72.4	15,510*	74.3	13,920*	75.9	12,650*
	130	70.7	15,190*	72.6	13,680*	74.2	12,520*
	140	69.0	14,870*	70.9	13,470*	72.5	12,350*
	150	67.3	14,520*	69.1	13,260*	70.8	12,230*
	160	65.6	14,230*	67.4	13,030*	69.0	12,060*
	170	63.8	14,000*	65.6	12,810*	67.2	11,920*
	180	62.0	13,720*	63.8	12,650*	65.4	11,790*
	190	60.2	13,210	62.0	12,460*	63.5	11,690*
	200	58.3	11,920	60.1	11,930	61.6	11,540*
	210	56.4	10,750	58.2	10,760	59.7	10,780
	220	54.5	9,710	56.2	9,720	57.7	9,730
	230	52.5	8,760	54.2	8,770	55.6	8,780
	240	50.4	7,890	52.1	7,900	53.5	7,910
	250	48.3	7,100	50.0	7,110	51.3	7,130
260	46.1	6,390	47.8	6,390	49.1	6,410	
270	43.8	5,720	45.5	5,730	46.7	5,750	
280	41.5	5,120	43.1	5,130	44.3	5,150	
290	38.9	4,560	40.5	4,570	41.7	4,590	
70' (21.3M) JIB & 300' (91.4M) BOOM	70	80.9	17,410*				
	80	79.3	17,040*				
	90	77.7	16,620*	79.5	14,730*		
	100	76.1	16,240*	77.9	14,460*	79.6	13,030*
	110	74.5	15,900*	76.3	14,230*	78.0	12,850*
	120	72.9	15,590*	74.7	13,980*	76.3	12,670*
	130	71.3	15,250*	73.1	13,690*	74.7	12,510*
	140	69.6	14,900*	71.4	13,500*	73.0	12,350*
	150	68.0	14,620*	69.7	13,280*	71.3	12,200*
	160	66.3	14,310*	68.0	13,070*	69.6	12,070*
	170	64.6	14,040*	66.3	12,870*	67.9	11,950*
	180	62.8	13,800*	64.6	12,650*	66.1	11,790*

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 & 300' (91.4M) BOOM	190	61.1	12,740	62.8	12,510*	64.3	11,680*
	200	59.3	11,440	61.0	11,450	62.5	11,470
	210	57.5	10,280	59.2	10,290	60.6	10,300
	220	55.6	9,220	57.3	9,230	58.7	9,250
	230	53.7	8,270	55.3	8,280	56.8	8,290
	240	51.7	7,400	53.4	7,410	54.7	7,420
	250	49.7	6,610	51.3	6,620	52.7	6,640
	260	47.6	5,890	49.2	5,900	50.5	5,920
	270	45.4	5,230	47.0	5,240	48.3	5,260
	280	43.2	4,620	44.8	4,630	46.0	4,650
70' (21.3M) JIB & 310' (94.5M) BOOM	71	81.0	17,290*				
	80	79.6	16,930*				
	90	78.1	16,550*	79.8	14,680*		
	100	76.5	16,220*	78.3	14,390*	79.9	12,920*
	110	75.0	15,840*	76.7	14,150*	78.3	12,760*
	120	73.4	15,540*	75.1	13,910*	76.7	12,590*
	130	71.8	15,200*	73.5	13,700*	75.1	12,450*
	140	70.2	14,860*	71.9	13,430*	73.5	12,290*
	150	68.6	14,590*	70.3	13,240*	71.9	12,110*
	160	67.0	14,260*	68.7	13,040*	70.2	11,960*
70' (21.3M) JIB & 330' (100.6M) BOOM	170	65.3	13,990*	67.0	12,810*	68.5	11,860*
	180	63.6	13,730	65.3	12,620*	66.8	11,740*
	190	61.9	12,270	63.6	12,280	65.1	11,080*
	200	60.2	10,970	61.8	10,980	63.3	10,450*
	210	58.4	9,800	60.1	9,810	61.5	9,830
	220	56.6	8,750	58.3	8,760	59.7	8,770
	230	54.8	7,790	56.4	7,800	57.8	7,820
	240	52.9	6,920	54.5	6,930	55.9	6,950
	250	51.0	6,130	52.6	6,140	53.9	6,160
	260	49.0	5,400	50.6	5,410	51.9	5,430
	270	46.9	4,750	48.5	4,760	49.8	4,780
	280	44.8	4,140	46.4	4,140	47.6	4,160
	290	42.6	1,040*	44.1	3,590	45.3	3,600
	300	38.4	1,700*	39.9	3,560	42.9	3,080
70' (21.3M) JIB & 330' (100.6M) BOOM	74	81.0	16,760*				
	80	80.1	16,600*				
	90	78.7	16,190*	80.3	14,310*		
	100	77.2	15,820*	78.9	14,090*	80.4	12,560*
	110	75.7	15,510*	77.4	13,840*	78.9	12,380*
	120	74.2	15,150*	75.9	13,620*	77.4	11,790*
70' (21.3M) JIB & 330' (100.6M) BOOM	130	72.7	14,780*	74.4	13,340*	75.9	11,020*
	140	71.2	13,960*	72.9	12,850*	74.4	10,320*

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 & 330' (100.6M) BOOM	150	69.7	13,020*	71.3	12,010*	72.8	9,570*
	160	68.2	12,120*	69.8	11,210*	71.3	8,880*
	170	66.6	11,340*	68.2	10,470*	69.7	8,230*
	180	65.0	10,530*	66.6	9,760*	68.1	7,630*
	190	63.4	9,770*	65.0	9,040*	66.5	7,020*
	200	61.8	9,100*	63.4	8,390*	64.8	6,420*
	210	60.2	8,400*	61.8	7,780*	63.1	5,870*
	220	58.5	7,760*	60.1	7,170*	61.4	5,340*
	230	56.8	6,990	58.4	6,610*	59.7	4,800*
	240	55.1	6,130	56.6	6,050*	57.9	4,320*
	250	53.3	5,340	54.8	5,350	56.1	3,840*
	260	51.5	4,610	53.0	4,610	54.2	3,380*
	270	49.6	3,950	51.1	3,960	52.3	2,930*
280	47.7	1,510*	49.1	3,340	50.3	2,490*	
70' (21.3M) JIB & 340' (103.6M) BOOM **SEE NOTE	76	80.9	16,480*				
	80	80.4	16,340*				
	90	78.9	15,980*	80.6	14,140*		
	100	77.5	15,600*	79.1	13,900*	80.7	11,960*
	110	76.1	15,260*	77.7	13,640*	79.2	11,140*
	120	74.6	14,090*	76.2	12,940*	77.7	10,350*
	130	73.2	13,080*	74.8	12,020*	76.3	9,550*
	140	71.7	12,110*	73.3	11,140*	74.8	8,820*
	150	70.2	11,150*	71.8	10,330*	73.3	8,110*
	160	68.7	10,330*	70.3	9,520*	71.8	7,420*
	170	67.2	9,530*	68.8	8,820*	70.2	6,760*
	180	65.7	8,770*	67.3	8,100*	68.7	6,130*
	190	64.1	8,030*	65.7	7,420*	67.1	5,540*
	200	62.6	7,360*	64.1	6,780*	65.5	4,970*
	210	61.0	6,720*	62.5	6,170*	63.9	4,430*
	220	59.4	6,100*	60.9	5,610*	62.2	3,900*
	230	57.7	5,520*	59.2	5,050*	60.6	3,410*
240	56.0	4,960*	57.5	4,510*	58.8	2,920*	
250	54.3	4,440*	55.8	4,010*	57.1	2,450*	
260	52.6	3,910*	54.1	3,530*	55.3	2,010*	
270	50.8	1,290*	52.2	3,050*	53.5	1,570*	
280	47.7	1,510*	50.4	1,940*	51.6	1,150*	
80' (24.4M) JIB & 250' (76.2M) BOOM	64	81.0	13,950*				
	70	79.9	13,680*				
	80	78.1	13,230*	80.5	11,500*		
	90	76.4	12,820*	78.7	11,210*	80.8	9,990*
	100	74.6	12,420*	76.9	10,940*	79.0	9,730*
	110	72.7	12,050*	75.0	10,690*	77.2	9,460*
120	70.9	11,710*	73.2	10,430*	75.3	9,230*	
130	69.1	11,380*	71.3	10,100*	73.4	9,020*	

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 & 250' (76.2M) BOOM	140	67.2	11,110*	69.4	9,820*	71.5	8,810*
	150	65.3	10,820*	67.5	9,550*	69.6	8,650*
	160	63.3	10,500*	65.6	9,300*	67.6	8,460*
	170	61.4	10,210*	63.6	9,110*	65.6	8,300*
	180	59.4	9,890*	61.5	8,880*	63.5	8,160*
	190	57.3	9,600*	59.5	8,710*	61.4	8,040*
	200	55.2	9,350*	57.3	8,530*	59.2	7,960*
	210	53.0	9,140*	55.2	8,360*	57.0	7,870*
	220	50.8	8,920*	52.9	8,220*	54.7	7,790*
	230	48.5	8,700*	50.6	8,120*	52.3	7,720*
	240	46.1	8,530*	48.1	7,980*	49.8	7,650*
250	43.6	8,360*	45.6	7,920*	47.2	7,620*	
80' (24.4M) JIB & 260' (79.2M) BOOM	66	80.9	13,840*				
	70	80.2	13,680*				
	80	78.5	13,280*	80.7	11,490*		
	90	76.8	12,870*	79.0	11,200*		
	100	75.0	12,480*	77.3	10,950*	79.4	9,720*
	110	73.3	12,090*	75.5	10,700*	77.6	9,500*
	120	71.5	11,750*	73.7	10,450*	75.8	9,230*
	130	69.7	11,460*	71.9	10,190*	73.9	9,040*
	140	67.9	11,160*	70.1	9,890*	72.1	8,860*
	150	66.1	10,890*	68.2	9,640*	70.2	8,660*
	160	64.2	10,600*	66.4	9,360*	68.3	8,500*
	170	62.3	10,330*	64.4	9,150*	66.4	8,360*
	180	60.4	9,990*	62.5	8,940*	64.4	8,210*
	190	58.4	9,740*	60.5	8,750*	62.4	8,060*
	200	56.4	9,460*	58.5	8,590*	60.3	7,960*
	210	54.3	9,220*	56.4	8,430*	58.2	7,850*
220	52.2	9,000*	54.2	8,290*	56.0	7,780*	
230	50.0	8,820*	52.0	8,130*	53.7	7,710*	
240	47.7	8,610*	49.7	8,030*	51.4	7,670*	
250	45.3	8,380	47.3	7,930*	49.0	7,600*	
260	42.9	7,660	44.8	7,670	46.4	7,600*	
80' (24.4M) JIB & 280' (85.3M) BOOM	69	80.9	13,670*				
	70	80.8	13,630*				
	80	79.1	13,270*				
	90	77.5	12,850*	79.6	11,170*		
	100	75.9	12,520*	78.0	10,930*	80.0	9,730*
	110	74.2	12,190*	76.3	10,680*	78.3	9,510*
	120	72.6	11,820*	74.7	10,440*	76.6	9,280*
	130	70.9	11,530*	73.0	10,220*	74.9	9,060*
	140	69.2	11,240*	71.3	9,980*	73.2	8,880*
	150	67.5	10,970*	69.5	9,720*	71.4	8,700*
160	65.7	10,700*	67.8	9,480*	69.6	8,550*	

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 & 280' (85.3M) BOOM	170	64.0	10,470*	66.0	9,260*	67.8	8,370*
	180	62.2	10,230*	64.2	9,050*	66.0	8,240*
	190	60.3	9,930*	62.3	8,880*	64.1	8,100*
	200	58.5	9,680*	60.5	8,690*	62.2	8,010*
	210	56.6	9,420*	58.6	8,510*	60.3	7,900*
	220	54.6	9,190*	56.6	8,370*	58.3	7,820*
	230	52.6	8,970*	54.6	8,220*	56.2	7,750*
	240	50.6	8,430	52.5	8,100*	54.1	7,670*
	250	48.4	7,640	50.4	7,650	52.0	7,600*
	260	46.3	6,930	48.1	6,940	49.7	6,960
270	44.0	6,260	45.8	6,270	47.3	6,300	
280	41.6	5,670	43.4	5,680	44.9	5,700	
80' (24.4M) JIB & 290' (88.4M) BOOM	71	80.9	13,610*				
	80	79.4	13,230*				
	90	77.9	12,900*	79.9	11,180*		
	100	76.3	12,520*	78.3	10,920*	80.3	9,690*
	110	74.7	12,210*	76.7	10,680*	78.6	9,540*
	120	73.1	11,880*	75.1	10,450*	77.0	9,280*
	130	71.4	11,590*	73.5	10,230*	75.3	9,110*
	140	69.8	11,260*	71.8	10,040*	73.7	8,900*
	150	68.1	11,010*	70.1	9,790*	72.0	8,710*
	160	66.4	10,760*	68.4	9,570*	70.2	8,570*
	170	64.7	10,510*	66.7	9,320*	68.5	8,410*
	180	63.0	10,270*	65.0	9,130*	66.7	8,260*
	190	61.2	10,040*	63.2	8,910*	64.9	8,130*
	200	59.4	9,770*	61.4	8,730*	63.1	8,000*
	210	57.6	9,520*	59.5	8,550*	61.2	7,930*
	220	55.7	9,270*	57.6	8,410*	59.3	7,810*
	230	53.8	8,840	55.7	8,270*	57.4	7,740*
	240	51.8	7,980	53.7	7,990	55.3	7,660*
	250	49.8	7,190	51.7	7,200	53.3	7,220
260	47.7	6,460	49.6	6,470	51.1	6,490	
270	45.6	5,800	47.4	5,810	48.9	5,830	
280	43.3	5,200	45.1	5,210	46.6	5,230	
290	41.0	4,640	42.8	4,650	44.1	4,680	
80' (24.4M) JIB & 300' (91.4M) BOOM	72	80.9	13,590*				
	80	79.7	13,270*				
	90	78.2	12,930*	80.2	11,160*		
	100	76.6	12,570*	78.6	10,960*	80.5	9,710*
	110	75.1	12,210*	77.1	10,720*	78.9	9,520*
	120	73.5	11,920*	75.5	10,500*	77.4	9,310*
	130	71.9	11,640*	73.9	10,260*	75.7	9,110*
140	70.3	11,320*	72.3	10,070*	74.1	8,920*	
150	68.7	11,060*	70.7	9,840*	72.5	8,740*	

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)
(24.4M) JIB & 300' (91.4M) BOOM	160	67.1	10,800*	69.0	9,590*	70.8	8,580*
	170	65.4	10,590*	67.4	9,380*	69.1	8,430*
	180	63.8	10,330*	65.7	9,160*	67.4	8,300*
	190	62.0	10,130*	64.0	8,960*	65.7	8,150*
	200	60.3	9,870*	62.2	8,770*	63.9	8,030*
	210	58.6	9,620*	60.4	8,630*	62.1	7,950*
	220	56.8	9,310	58.6	8,480*	60.3	7,840*
	230	54.9	8,350	56.8	8,340*	58.4	7,750*
	240	53.0	7,490	54.9	7,500	56.5	7,520
	250	51.1	6,700	52.9	6,710	54.5	6,730
	260	49.1	5,970	50.9	5,980	52.4	6,000
	270	47.1	5,320	48.9	5,330	50.3	5,350
	280	44.9	4,710	46.7	4,720	48.1	4,740
	290	42.7	4,150	44.5	4,160	45.8	4,180
	300	40.4	3,630	42.1	3,640	43.4	3,660
	(24.4M) JIB & 310' (94.5M) BOOM	74	80.9	13,500*			
80		80.0	13,240*				
90		78.5	12,930*	80.5	11,170*		
100		77.0	12,570*	78.9	10,890*	80.8	9,640*
110		75.5	12,240*	77.4	10,710*	79.2	9,500*
120		73.9	11,950*	75.9	10,460*	77.7	9,300*
130		72.4	11,620*	74.3	10,280*	76.1	9,100*
140		70.9	11,370*	72.8	10,050*	74.6	8,940*
150		69.3	11,070*	71.2	9,890*	73.0	8,730*
160		67.7	10,840*	69.6	9,630*	71.3	8,580*
170		66.1	10,590*	68.0	9,430*	69.7	8,440*
180		64.5	10,350*	66.4	9,220*	68.1	8,290*
190		62.8	10,130*	64.7	9,000*	66.4	8,180*
200		61.2	9,970*	63.0	8,850*	64.7	8,050*
210		59.5	9,710*	61.3	8,670*	62.9	7,940*
220		57.7	8,830	59.6	8,530*	61.2	7,860*
230		55.9	7,890	57.8	7,900	59.4	7,740*
240		54.1	7,020	56.0	7,020	57.5	7,040
250		52.3	6,220	54.1	6,230	55.6	6,250
260		50.4	5,490	52.2	5,500	53.7	5,520
270	48.4	4,840	50.2	4,850	51.6	4,870	
280	46.4	4,220	48.2	4,230	49.6	4,250	
290	44.3	3,660	46.0	3,670	47.4	3,690	
300	42.1	690*	43.8	3,150	45.2	3,170	

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 & 330' (100.6M) BOOM	77	80.9	13,200*				
	80	80.5	13,090*				
	90	79.1	12,780*	80.9	11,030*		
	100	77.6	12,470*	79.5	10,800*		
	110	76.2	12,100*	78.1	10,560*	79.8	9,320*
	120	74.8	11,800*	76.6	10,380*	78.3	9,200*
	130	73.3	11,530*	75.1	10,150*	76.8	9,040*
	140	71.8	11,280*	73.7	9,970*	75.4	8,900*
	150	70.3	10,990*	72.2	9,790*	73.8	8,780*
	160	68.9	10,750*	70.7	9,610*	72.3	8,580*
	170	67.3	10,520*	69.1	9,410*	70.8	7,940*
	180	65.8	10,260*	67.6	9,250*	69.2	7,380*
	190	64.3	9,540*	66.1	8,790*	67.7	6,810*
	200	62.7	8,850*	64.5	8,190*	66.1	6,230*
	210	61.1	8,200*	62.9	7,590*	64.4	5,720*
	220	59.5	7,610*	61.2	6,990*	62.8	5,190*
	230	57.8	7,010*	59.6	6,460*	61.1	4,710*
	240	56.2	6,220	57.9	5,920*	59.4	4,230*
	250	54.4	5,430	56.2	5,410*	57.6	3,780*
	260	52.7	4,700	54.4	4,710	55.8	3,330*
270	50.9	4,040	52.6	4,050	54.0	2,900*	
280	49.0	3,420	50.7	3,430	52.1	2,490*	
290	47.1	1,130*	48.8	2,870	50.2	2,090*	
80' (24.4M) JIB & 340' (103.6M) BOOM **SEE NOTE	78	81.0	13,080*				
	80	80.7	13,000*				
	90	79.3	12,690*				
	100	77.9	12,340*	79.7	10,700*		
	110	76.5	12,050*	78.3	10,490*	80.0	9,250*
	120	75.1	11,760*	76.9	10,290*	78.6	9,100*
	130	73.7	11,450*	75.5	10,090*	77.2	8,960*
	140	72.3	11,160*	74.1	9,890*	75.7	8,480*
	150	70.8	10,890*	72.6	9,700*	74.3	7,830*
	160	69.4	10,070*	71.2	9,270*	72.8	7,170*
	170	67.9	9,290*	69.7	8,540*	71.3	6,550*
	180	66.4	8,520*	68.2	7,870*	69.8	5,970*
	190	64.9	7,820*	66.7	7,240*	68.2	5,390*
	200	63.4	7,180*	65.1	6,620*	66.7	4,860*
	210	61.9	6,540*	63.6	6,040*	65.1	4,320*
	220	60.3	5,970*	62.0	5,490*	63.5	3,840*
	230	58.7	5,390*	60.4	4,950*	61.9	3,340*
	240	57.1	4,850*	58.8	4,440*	60.2	2,880*
	250	55.4	4,340*	57.1	3,940*	58.6	2,440*
	260	53.7	3,850*	55.4	3,480*	56.8	2,020*
270	52.0	3,380*	53.7	3,030*	55.1	1,590*	
280	50.2	520*	51.9	2,590*	53.2	1,200*	
290	47.1	1,130*	50.0	2,090*	51.4	810*	

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)
90' (27.4M) JIB & 250' (76.2M) BOOM	67	80.9	11,090*				
	70	80.4	10,960*				
	80	78.6	10,540*				
	90	76.9	10,190*	79.4	8,740*		
	100	75.2	9,820*	77.7	8,390*	80.1	7,200*
	110	73.4	9,490*	75.9	8,100*	78.3	6,990*
	120	71.6	9,170*	74.1	7,800*	76.5	6,790*
	130	69.9	8,870*	72.3	7,530*	74.6	6,590*
	140	68.0	8,530*	70.5	7,300*	72.8	6,440*
	150	66.2	8,190*	68.7	7,070*	70.9	6,280*
	160	64.3	7,890*	66.8	6,850*	69.0	6,140*
	170	62.4	7,610*	64.9	6,660*	67.1	6,010*
	180	60.5	7,350*	62.9	6,510*	65.1	5,880*
	190	58.5	7,130*	60.9	6,330*	63.1	5,770*
	200	56.5	6,920*	58.9	6,200*	61.0	5,680*
	210	54.4	6,710*	56.8	6,070*	58.9	5,610*
	220	52.3	6,530*	54.6	5,930*	56.7	5,540*
	230	50.1	6,390*	52.4	5,820*	54.4	5,480*
	240	47.8	6,240*	50.1	5,750*	52.1	5,430*
	250	45.5	6,080*	47.8	5,670*	49.6	5,390*
90' (27.4M) JIB & 260' (79.2M) BOOM	68	81.0	11,020*				
	70	80.6	10,940*				
	80	79.0	10,550*				
	90	77.3	10,190*	79.8	8,710*		
	100	75.6	9,840*	78.1	8,430*	80.4	7,190*
	110	73.9	9,510*	76.3	8,120*	78.6	6,970*
	120	72.2	9,220*	74.6	7,830*	76.9	6,790*
	130	70.5	8,920*	72.9	7,570*	75.1	6,610*
	140	68.7	8,600*	71.1	7,320*	73.3	6,450*
	150	66.9	8,290*	69.3	7,100*	71.5	6,300*
	160	65.1	7,990*	67.5	6,900*	69.7	6,140*
	170	63.3	7,720*	65.7	6,720*	67.8	6,020*
	180	61.4	7,460*	63.8	6,550*	65.9	5,910*
	190	59.5	7,200*	61.9	6,370*	63.9	5,790*
	200	57.6	6,990*	59.9	6,230*	62.0	5,710*
	210	55.6	6,780*	57.9	6,110*	59.9	5,600*
	220	53.6	6,600*	55.9	5,970*	57.8	5,540*
	230	51.5	6,460*	53.8	5,860*	55.7	5,490*
	240	49.3	6,280*	51.6	5,780*	53.5	5,410*
	250	47.1	6,170*	49.3	5,680*	51.2	5,390*
260	44.8	6,040*	47.0	5,610*	48.8	5,350*	

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)
90' (27.4M) JIB & 280' (85.3M) BOOM	71	81.0	10,910*				
	80	79.6	10,600*				
	90	78.0	10,220*	80.3	8,700*		
	100	76.4	9,890*	78.7	8,460*	80.9	7,190*
	110	74.8	9,590*	77.1	8,180*	79.3	6,990*
	120	73.2	9,290*	75.5	7,920*	77.6	6,790*
	130	71.6	9,020*	73.8	7,660*	76.0	6,630*
	140	69.9	8,750*	72.2	7,410*	74.3	6,460*
	150	68.2	8,460*	70.5	7,190*	72.6	6,320*
	160	66.6	8,150*	68.8	6,990*	70.9	6,150*
	170	64.8	7,860*	67.1	6,810*	69.1	6,030*
	180	63.1	7,610*	65.3	6,630*	67.4	5,920*
	190	61.4	7,380*	63.6	6,450*	65.6	5,810*
	200	59.6	7,150*	61.8	6,290*	63.7	5,710*
	210	57.7	6,930*	59.9	6,170*	61.8	5,620*
	220	55.9	6,750*	58.0	6,040*	59.9	5,560*
	230	53.9	6,570*	56.1	5,930*	58.0	5,480*
	240	52.0	6,420*	54.1	5,820*	55.9	5,420*
	250	50.0	6,270*	52.1	5,740*	53.9	5,370*
	260	47.9	6,160*	50.0	5,670*	51.7	5,320*
270	45.7	6,020*	47.8	5,590*	49.5	5,310*	
280	43.5	5,710	45.5	5,520*	47.2	5,280*	
90' (27.4M) JIB & 290' (88.4M) BOOM	73	80.9	10,830*				
	80	79.8	10,600*				
	90	78.3	10,260*	80.6	8,710*		
	100	76.8	9,900*	79.0	8,490*		
	110	75.2	9,600*	77.5	8,200*	79.6	7,000*
	120	73.6	9,320*	75.9	7,930*	78.0	6,790*
	130	72.1	9,060*	74.3	7,690*	76.4	6,610*
	140	70.5	8,800*	72.7	7,450*	74.7	6,460*
	150	68.8	8,540*	71.1	7,240*	73.1	6,320*
	160	67.2	8,210*	69.4	7,020*	71.4	6,170*
	170	65.6	7,930*	67.7	6,820*	69.7	6,060*
	180	63.9	7,670*	66.1	6,670*	68.0	5,940*
	190	62.2	7,450*	64.3	6,500*	66.3	5,810*
	200	60.4	7,210*	62.6	6,340*	64.5	5,720*
	210	58.7	7,020*	60.8	6,210*	62.7	5,630*
	220	56.9	6,830*	59.0	6,060*	60.9	5,540*
	230	55.0	6,650*	57.2	5,970*	59.0	5,480*
	240	53.2	6,490*	55.3	5,860*	57.1	5,430*
	250	51.2	6,340*	53.3	5,750*	55.1	5,380*
	260	49.2	6,200*	51.3	5,670*	53.0	5,330*
270	47.2	5,860	49.2	5,590*	50.9	5,280*	
280	45.1	5,260	47.1	5,270	48.7	5,270*	
290	42.8	4,700	44.8	4,710	46.4	4,730	

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)
90' (27.4M) JIB & 300' (91.4M) BOOM	75	80.9	10,780*				
	80	80.1	10,610*				
	90	78.6	10,300*	80.8	8,710*		
	100	77.1	9,940*	79.3	8,490*		
	110	75.6	9,650*	77.8	8,240*	79.9	6,980*
	120	74.1	9,370*	76.3	7,980*	78.3	6,800*
	130	72.5	9,100*	74.7	7,710*	76.7	6,620*
	140	71.0	8,850*	73.2	7,480*	75.2	6,480*
	150	69.4	8,610*	71.6	7,250*	73.6	6,320*
	160	67.8	8,310*	70.0	7,040*	71.9	6,170*
	170	66.2	8,020*	68.4	6,860*	70.3	6,050*
	180	64.6	7,780*	66.7	6,690*	68.7	5,940*
	190	63.0	7,530*	65.1	6,520*	67.0	5,820*
	200	61.3	7,300*	63.4	6,380*	65.3	5,730*
	210	59.6	7,080*	61.7	6,230*	63.5	5,640*
	220	57.8	6,900*	59.9	6,110*	61.7	5,550*
	230	56.1	6,720*	58.1	5,980*	59.9	5,500*
	240	54.3	6,570*	56.3	5,890*	58.1	5,410*
	250	52.4	6,390*	54.4	5,780*	56.2	5,360*
	260	50.5	6,030	52.5	5,700*	54.2	5,310*
270	48.6	5,380	50.5	5,390	52.2	5,280*	
280	46.5	4,760	48.5	4,770	50.1	4,800	
290	44.4	4,200	46.4	4,210	48.0	4,240	
300	42.3	3,680	44.2	3,690	45.7	3,720	
90' (27.4M) JIB & 310' (94.5M) BOOM	76	80.9	10,770*				
	80	80.4	10,600*				
	90	78.9	10,280*				
	100	77.4	9,960*	79.6	8,490*		
	110	76.0	9,650*	78.1	8,280*	80.1	6,990*
	120	74.5	9,390*	76.6	7,980*	78.6	6,800*
	130	73.0	9,120*	75.1	7,730*	77.1	6,610*
	140	71.5	8,850*	73.6	7,500*	75.6	6,460*
	150	70.0	8,620*	72.1	7,290*	74.0	6,340*
	160	68.4	8,370*	70.5	7,100*	72.4	6,180*
	170	66.9	8,100*	68.9	6,900*	70.9	6,050*
180	65.3	7,840*	67.4	6,710*	69.2	5,940*	

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)
90' (27.4M) JIB & 310' (94.5M) BOOM	190	63.7	7,590*	65.8	6,560*	67.6	5,840*
	200	62.1	7,360*	64.1	6,400*	66.0	5,740*
	210	60.4	7,140*	62.5	6,280*	64.3	5,650*
	220	58.7	6,950*	60.8	6,150*	62.6	5,570*
	230	57.0	6,770*	59.1	6,030*	60.8	5,480*
	240	55.3	6,600*	57.3	5,900*	59.0	5,420*
	250	53.5	6,290	55.5	5,820*	57.2	5,370*
	260	51.7	5,570	53.7	5,580	55.3	5,310*
	270	49.8	4,900	51.8	4,910	53.4	4,930
	280	47.9	4,280	49.8	4,290	51.4	4,310
	290	45.9	3,720	47.8	3,730	49.4	3,750
	300	43.8	1,880*	45.7	3,210	47.2	3,230
90' (27.4M) JIB & 330' (100.6M) BOOM	79	81.0	10,550*				
	80	80.8	10,520*				
	90	79.4	10,220*				
	100	78.0	9,930*	80.1	8,420*		
	110	76.6	9,650*	78.7	8,200*	80.6	6,960*
	120	75.2	9,350*	77.3	8,020*	79.2	6,800*
	130	73.8	9,080*	75.8	7,790*	77.7	6,620*
	140	72.4	8,860*	74.4	7,540*	76.3	6,480*
	150	71.0	8,600*	73.0	7,360*	74.8	6,340*
	160	69.5	8,380*	71.5	7,130*	73.3	6,210*
	170	68.0	8,190*	70.0	6,940*	71.8	6,080*
	180	66.5	7,980*	68.5	6,770*	70.3	5,940*
	190	65.0	7,710*	67.0	6,610*	68.8	5,840*
	200	63.5	7,490*	65.5	6,460*	67.2	5,740*
	210	62.0	7,300*	63.9	6,310*	65.7	5,510*
	220	60.4	7,080*	62.3	6,180*	64.1	5,010*
	230	58.8	6,790*	60.7	6,060*	62.4	4,560*
	240	57.2	6,250*	59.1	5,760*	60.8	4,100*
250	55.5	5,500	57.4	5,260*	59.1	3,670*	
260	53.8	4,770	55.7	4,780	57.4	3,240*	
270	52.1	4,100	54.0	4,110	55.6	2,840*	
280	50.3	3,490	52.2	3,500	53.8	2,440*	
290	48.5	2,320*	50.4	2,940	51.9	2,060*	
90' (27.4M) JIB & 340' (103.6M) BOOM **SEE NOTE	81	80.9	10,470*				
	90	79.7	10,200*				
	100	78.3	9,870*	80.3	8,370*		
	110	77.0	9,600*	79.0	8,180*	80.8	6,950*
	120	75.6	9,350*	77.6	7,970*	79.4	6,790*
	130	74.2	9,060*	76.2	7,790*	78.0	6,610*
	140	72.8	8,810*	74.8	7,590*	76.6	6,480*
	150	71.4	8,590*	73.4	7,350*	75.2	6,320*
160	70.0	8,390*	72.0	7,170*	73.8	6,190*	

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)
90' (27.4M) JIB & 340' (103.6M) BOOM **SEE NOTE	170	68.6	8,170*	70.5	6,980*	72.3	6,080*
	180	67.1	7,970*	69.1	6,800*	70.8	5,760*
	190	65.7	7,610*	67.6	6,640*	69.3	5,210*
	200	64.2	6,960*	66.1	6,420*	67.8	4,680*
	210	62.7	6,350*	64.6	5,850*	66.3	4,190*
	220	61.2	5,770*	63.1	5,310*	64.8	3,710*
	230	59.6	5,230*	61.5	4,800*	63.2	3,240*
	240	58.0	4,710*	59.9	4,310*	61.6	2,820*
	250	56.5	4,210*	58.3	3,850*	59.9	2,380*
	260	54.8	3,740*	56.7	3,380*	58.3	1,970*
270	53.2	3,280*	55.0	2,940*	56.6	1,580*	
280	51.5	2,320*	53.3	2,520*	54.8	1,190*	
280.0	50.3	3,490	51.5	2,130*	53.0	820*	
100' (30.5M) JIB & 250' (76.2M) BOOM	69	80.9	9,010*				
	70	80.8	8,940*				
	80	79.1	8,580*				
	90	77.4	8,220*	80.2	6,740*		
	100	75.7	7,900*	78.5	6,470*		
	110	74.0	7,580*	76.8	6,200*	79.3	5,240*
	120	72.3	7,220*	75.0	5,940*	77.6	5,060*
	130	70.6	6,860*	73.3	5,710*	75.8	4,890*
	140	68.8	6,550*	71.5	5,510*	74.0	4,750*
	150	67.1	6,270*	69.7	5,320*	72.2	4,620*
	160	65.3	6,010*	67.9	5,130*	70.3	4,510*
	170	63.4	5,780*	66.1	4,980*	68.5	4,390*
	180	61.6	5,570*	64.2	4,820*	66.6	4,280*
	190	59.7	5,380*	62.3	4,690*	64.6	4,200*
	200	57.7	5,200*	60.3	4,560*	62.6	4,120*
210	55.7	5,020*	58.3	4,450*	60.6	4,040*	
220	53.7	4,870*	56.3	4,340*	58.5	3,970*	
230	51.6	4,730*	54.2	4,260*	56.3	3,930*	
240	49.5	4,600*	52.0	4,170*	54.1	3,880*	
250	47.2	4,500*	49.7	4,110*	51.8	3,850*	
100' (30.5M) JIB & 260' (79.2M) BOOM	71	80.9	8,930*				
	80	79.4	8,610*				
	90	77.8	8,250*	80.5	6,770*		
	100	76.2	7,930*	78.8	6,470*		
	110	74.5	7,650*	77.1	6,210*	79.6	5,220*
	120	72.8	7,290*	75.5	5,960*	77.9	5,050*
	130	71.2	6,940*	73.8	5,750*	76.2	4,900*
	140	69.5	6,630*	72.1	5,530*	74.5	4,750*
	150	67.7	6,350*	70.3	5,350*	72.7	4,620*
	160	66.0	6,100*	68.6	5,170*	71.0	4,490*
170	64.2	5,850*	66.8	5,010*	69.1	4,380*	

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)
100' (30.5M) JIB & 260' (79.2M) BOOM	180	62.4	5,650*	65.0	4,850*	67.3	4,280*
	190	60.6	5,450*	63.1	4,710*	65.4	4,190*
	200	58.7	5,260*	61.3	4,590*	63.5	4,120*
	210	56.8	5,070*	59.3	4,480*	61.6	4,040*
	220	54.9	4,930*	57.4	4,360*	59.6	3,970*
	230	52.9	4,780*	55.4	4,280*	57.5	3,920*
	240	50.8	4,670*	53.3	4,190*	55.4	3,870*
	250	48.7	4,540*	51.1	4,120*	53.2	3,840*
	260	46.5	4,440*	48.9	4,060*	50.9	3,800*
100' (30.5M) JIB & 280' (85.3M) BOOM	74	80.9	8,810*				
	80	80.0	8,640*				
	90	78.4	8,280*	81.0	6,780*		
	100	76.9	8,000*	79.4	6,500*		
	110	75.3	7,690*	77.8	6,260*	80.2	5,200*
	120	73.8	7,380*	76.3	6,020*	78.6	5,050*
	130	72.2	7,060*	74.7	5,770*	77.0	4,880*
	140	70.6	6,770*	73.1	5,580*	75.4	4,760*
	150	69.0	6,480*	71.4	5,400*	73.7	4,610*
	160	67.3	6,230*	69.8	5,210*	72.1	4,490*
	170	65.7	5,970*	68.1	5,050*	70.4	4,400*
	180	64.0	5,760*	66.4	4,900*	68.6	4,290*
	190	62.3	5,570*	64.7	4,770*	66.9	4,210*
	200	60.6	5,380*	63.0	4,640*	65.1	4,110*
	210	58.8	5,190*	61.2	4,530*	63.3	4,030*
	220	57.0	5,050*	59.4	4,410*	61.5	3,970*
	230	55.2	4,890*	57.5	4,320*	59.6	3,900*
240	53.3	4,760*	55.6	4,230*	57.7	3,850*	
250	51.4	4,630*	53.7	4,150*	55.7	3,820*	
260	49.4	4,520*	51.7	4,070*	53.6	3,780*	
270	47.3	4,410*	49.6	4,010*	51.5	3,750*	
280	45.2	4,330*	47.4	3,960*	49.3	3,730*	
100' (30.5M) JIB & 290' (88.4M) BOOM	75	81.0	8,790*				
	80	80.2	8,620*				
	90	78.7	8,330*				
	100	77.2	8,010*	79.7	6,530*		
	110	75.7	7,740*	78.2	6,270*	80.5	5,210*
	120	74.2	7,440*	76.6	6,020*	78.9	5,050*
	130	72.7	7,120*	75.1	5,810*	77.4	4,900*
	140	71.1	6,810*	73.5	5,590*	75.8	4,750*
	150	69.5	6,540*	71.9	5,420*	74.2	4,620*
	160	68.0	6,290*	70.4	5,240*	72.6	4,510*
	170	66.4	6,030*	68.7	5,070*	70.9	4,380*
180	64.7	5,820*	67.1	4,920*	69.3	4,300*	
190	63.1	5,630*	65.4	4,770*	67.6	4,210*	

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)
100' (30.5M) JIB & 290' (88.4M) BOOM	200	61.4	5,430*	63.8	4,650*	65.9	4,110*
	210	59.7	5,260*	62.0	4,530*	64.1	4,040*
	220	58.0	5,080*	60.3	4,440*	62.3	3,970*
	230	56.2	4,940*	58.5	4,330*	60.5	3,910*
	240	54.4	4,800*	56.7	4,240*	58.7	3,860*
	250	52.5	4,670*	54.8	4,170*	56.8	3,810*
	260	50.6	4,560*	52.9	4,080*	54.8	3,770*
	270	48.7	4,460*	50.9	4,030*	52.8	3,740*
	280	46.7	4,350*	48.9	3,970*	50.7	3,720*
	290	44.6	4,280*	46.7	3,930*	48.5	3,700*
100' (30.5M) JIB & 300' (91.4M) BOOM	77	80.9	8,770*				
	80	80.5	8,660*				
	90	79.0	8,320*				
	100	77.6	8,020*	80.0	6,540*		
	110	76.1	7,740*	78.5	6,280*	80.7	5,180*
	120	74.6	7,490*	77.0	6,040*	79.2	5,040*
	130	73.1	7,180*	75.5	5,830*	77.7	4,900*
	140	71.6	6,880*	74.0	5,620*	76.2	4,740*
	150	70.1	6,610*	72.4	5,430*	74.6	4,630*
	160	68.5	6,340*	70.9	5,250*	73.0	4,490*
	170	67.0	6,090*	69.3	5,090*	71.4	4,400*
	180	65.4	5,870*	67.7	4,960*	69.8	4,280*
	190	63.8	5,670*	66.1	4,820*	68.2	4,190*
	200	62.2	5,470*	64.5	4,670*	66.5	4,120*
	210	60.5	5,290*	62.8	4,560*	64.9	4,040*
	220	58.9	5,150*	61.1	4,440*	63.1	3,970*
	230	57.2	4,980*	59.4	4,350*	61.4	3,910*
	240	55.4	4,850*	57.7	4,260*	59.6	3,860*
	250	53.6	4,720*	55.9	4,170*	57.8	3,810*
	260	51.8	4,610*	54.0	4,110*	55.9	3,760*
270	49.9	4,500*	52.1	4,030*	54.0	3,730*	
280	48.0	4,390*	50.2	3,980*	52.0	3,710*	
290	46.0	4,270	48.2	3,940*	49.9	3,690*	
300	44.0	3,750	46.1	3,760	47.8	3,670*	
100' (30.5M) JIB & 310' (94.5M) BOOM	79	80.9	8,700*				
	80	80.7	8,670*				
	90	79.3	8,360*				
	100	77.9	8,070*	80.2	6,530*		
	110	76.4	7,780*	78.8	6,290*	81.0	5,190*
	120	75.0	7,490*	77.3	6,050*	79.5	5,020*
	130	73.5	7,230*	75.8	5,850*	78.0	4,890*
	140	72.1	6,930*	74.4	5,640*	76.5	4,750*
150	70.6	6,660*	72.9	5,460*	75.0	4,620*	
160	69.1	6,400*	71.4	5,290*	73.5	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)
100' (30.5M) JIB & 310' (94.5M) BOOM	170	67.6	6,150*	69.9	5,110*	71.9	4,390*
	180	66.1	5,950*	68.3	4,960*	70.4	4,280*
	190	64.5	5,740*	66.8	4,820*	68.8	4,190*
	200	62.9	5,540*	65.2	4,700*	67.2	4,120*
	210	61.3	5,360*	63.6	4,580*	65.6	4,040*
	220	59.7	5,190*	61.9	4,470*	63.9	3,960*
	230	58.1	5,040*	60.3	4,370*	62.2	3,910*
	240	56.4	4,900*	58.6	4,280*	60.5	3,830*
	250	54.7	4,760*	56.9	4,190*	58.7	3,800*
	260	52.9	4,650*	55.1	4,110*	56.9	3,750*
	270	51.1	4,520*	53.3	4,040*	55.1	3,720*
	280	49.3	4,350	51.4	3,990*	53.2	3,700*
	290	47.4	3,790	49.5	3,800	51.2	3,670*
300	45.4	2,490*	47.5	3,280	49.2	3,310	
100' (30.5M) JIB & 330' (100.6M) BOOM	82	80.9	8,570*				
	90	79.8	8,320*				
	100	78.4	8,030*	80.7	6,550*		
	110	77.1	7,780*	79.3	6,300*		
	120	75.7	7,520*	77.9	6,080*	80.0	5,000*
	130	74.3	7,280*	76.5	5,870*	78.6	4,860*
	140	72.9	7,030*	75.1	5,680*	77.2	4,730*
	150	71.5	6,760*	73.7	5,480*	75.7	4,610*
	160	70.1	6,520*	72.3	5,310*	74.3	4,480*
	170	68.7	6,280*	70.9	5,150*	72.8	4,370*
	180	67.2	6,030*	69.4	5,010*	71.4	4,280*
	190	65.8	5,840*	67.9	4,860*	69.9	4,200*
	200	64.3	5,650*	66.4	4,740*	68.4	4,110*
	210	62.8	5,440*	64.9	4,620*	66.8	4,030*
	220	61.3	5,270*	63.4	4,500*	65.3	3,960*
	230	59.7	5,130*	61.8	4,400*	63.7	3,890*
	240	58.2	4,980*	60.3	4,310*	62.1	3,820*
250	56.6	4,840*	58.6	4,220*	60.5	3,550*	
260	54.9	4,720*	57.0	4,130*	58.8	3,150*	
270	53.3	4,170	55.3	4,060*	57.1	2,760*	
280	51.6	3,560	53.6	3,580	55.3	2,400*	
290	49.8	2,740*	51.8	3,010	53.5	2,030*	
100' (30.5M) JIB & 340' (103.6M) BOOM **SEE NOTE	83	81.0	8,480*				
	90	80.0	8,280*				
	100	78.7	8,020*	80.9	6,550*		
	110	77.4	7,770*	79.6	6,310*		
	120	76.0	7,510*	78.2	6,080*	80.2	4,990*
	130	74.7	7,290*	76.8	5,880*	78.9	4,850*
	140	73.3	7,040*	75.5	5,690*	77.5	4,710*
150	72.0	6,820*	74.1	5,500*	76.1	4,600*	

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)
100'	160	70.6	6,560*	72.7	5,320*	74.7	4,480*
(30.5M)	170	69.2	6,300*	71.3	5,170*	73.3	4,380*
JIB	180	67.8	6,080*	69.9	5,030*	71.8	4,280*
&	190	66.4	5,880*	68.5	4,880*	70.4	4,180*
340'	200	64.9	5,690*	67.0	4,760*	68.9	4,110*
(103.6M)	210	63.5	5,480*	65.6	4,640*	67.4	4,010*
BOOM	220	62.0	5,340*	64.1	4,520*	65.9	3,590*
**SEE	230	60.5	5,080*	62.6	4,400*	64.4	3,150*
NOTE	240	59.0	4,580*	61.0	4,170*	62.8	2,720*
	250	57.4	4,090*	59.5	3,720*	61.3	2,320*
	260	55.9	3,640*	57.9	3,290*	59.6	1,930*
	270	54.2	3,190*	56.3	2,880*	58.0	1,550*
	280	52.6	2,470*	54.6	2,460*	56.3	1,180*
	290	49.8	2,740*	52.9	2,080*	54.6	820*