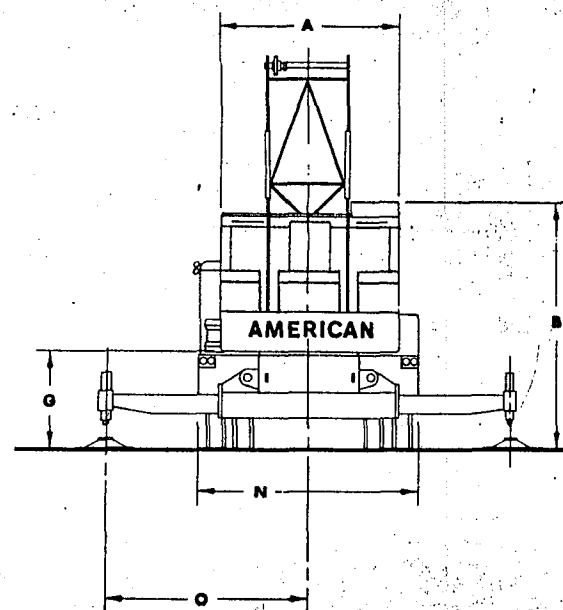
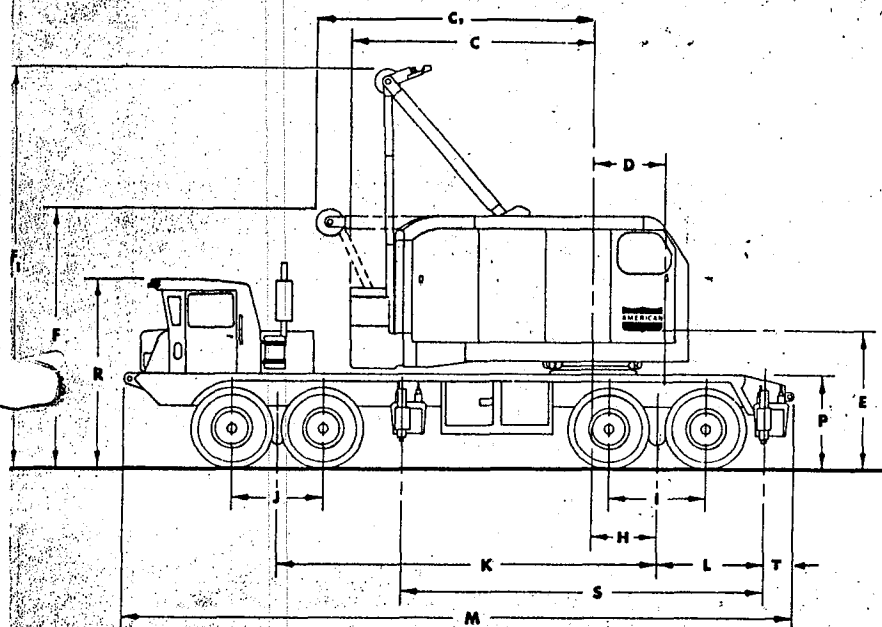




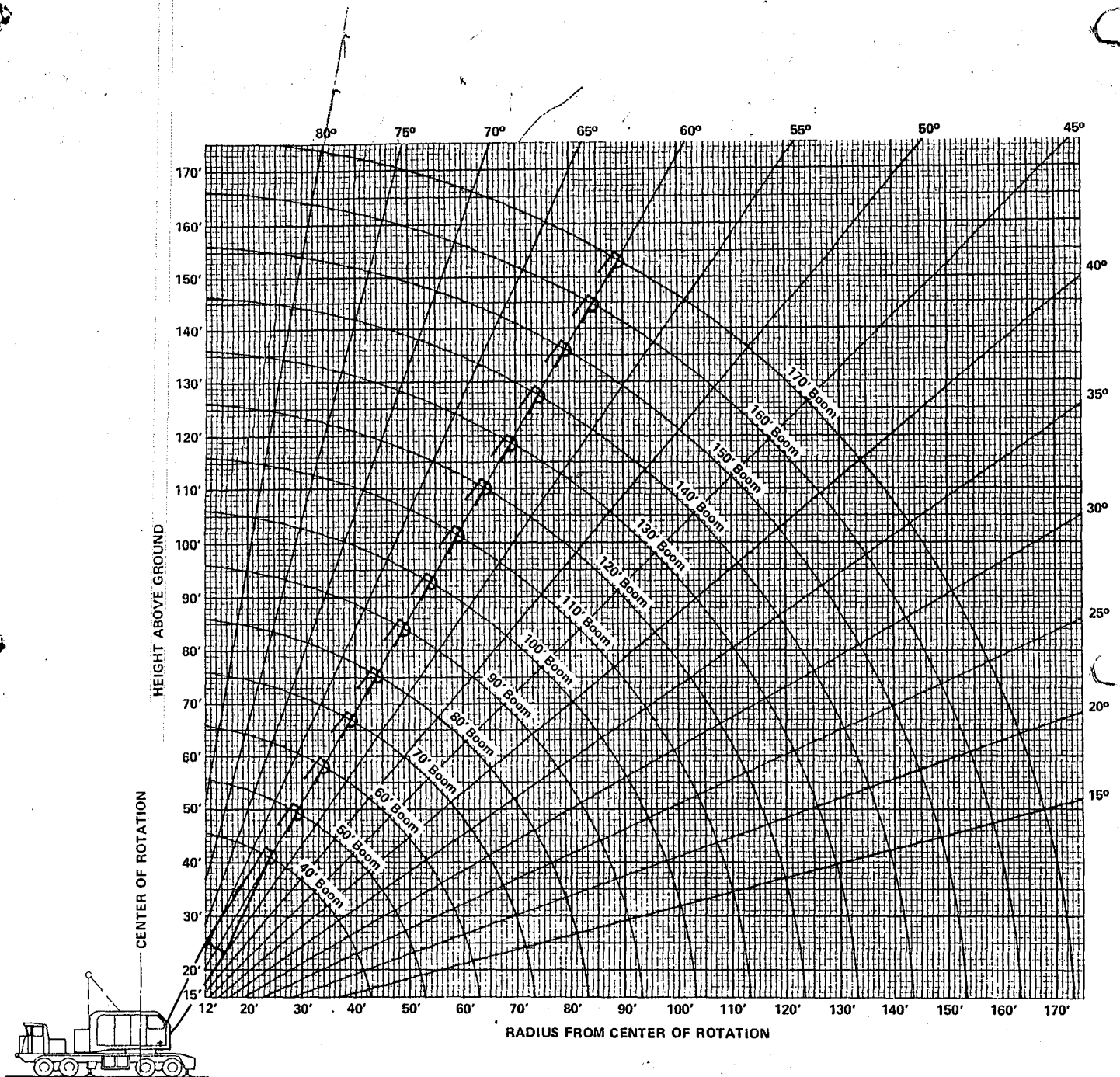
5530 CARRIER SPECIFICATIONS



GENERAL DIMENSIONS

A.	Width of cab	9'0"	L.	Centerline of rear bogie to centerline of rear outrigger.....	5'6½"
B.	Height to top of cab	11'11½"	M.	Overall length	32'9½"
C.	Tailswing	12'1"	N.	Overall width	11'0"
C ₁ .	Tailswing with A-frame lowered	13'8½"	O.	Outriggers extended w/screw jacks.....	10'0"
D.	Centerline of rotation to centerline of boom foot	3'8"	O ₁ .	Outriggers extended w/hydraulic outriggers	9'6"
E.	Ground to centerline boom foot	6'5½"	P.	Height over mounting plate	4'4½"
F.	Height over A-Frame (lowered)	12'4½"	R.	height over carrier cab.....	8'11"
F ₁ .	Height over A-Frame (raised)	19'1½"	S.	Centerline of rear outrigger to centerline of front outrigger	18'0½"
G.	Ground to bottom of counterweight	4'7"	T.	Center of rear outrigger to rear of carrer	1'0"
H.	Centerline of rotation to centerline of rear bogie	3'6"		Turning radius	56'
I.	Distance between rear axles	4'10"		Clearance (under rear equalizing beam) ...	11"
J.	Distance between front axles	4'6"		Clearance (under rear differential)	14"
K.	Centerline of rear bogie to centerline of front bogie	18'9"			

BOOM ANGLE DIAGRAM



AMERICAN MODEL 5530 TRUCK CRANE WORKING RANGES

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



75T

500 SERIES MODEL 530 TRUCK CRANE

LIFT RATINGS

With 47H Tubular Boom and "P-P" Counterweight (26,500 lb)

Boom Lgth.	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Side	Over Rear	
40 feet	11	80.5	0	101520	150000	150000	46
	12	79.0	0	89300	150000	150000	46
	15	74.6	0	65450	135320	135320	45
	20	67.0	0	44970	101470	101470	43
	25	58.8	30040	34080	71240	76920	41
	30	49.9	23850	27290	53380	58100	37
	35	39.5	19640	22620	42500	46500	32
	40	25.8	16640	19260	35220	38680	24
50 feet	13	80.1	0	79500	150000	150000	56
	15	77.7	0	65280	135210	135210	55
	20	71.8	38130	44790	101380	101380	54
	25	65.6	29890	33930	71220	76880	52
	30	59.1	23710	27130	53330	58040	49
	35	52.0	19490	22460	42410	46410	46
	40	44.2	16500	19120	35130	38590	41
	50	22.9	12400	14510	25900	28610	26
60 feet	14	80.8	0	71480	144720	144720	66
	15	79.8	0	65090	135110	135110	66
	20	74.9	37780	44590	101290	101290	64
	25	69.9	29730	33750	71160	76810	63
	30	64.7	23550	26960	53240	57940	61
	35	59.2	19320	22280	42310	46300	58
	40	53.4	16340	18950	35030	38480	55
	50	40.1	12240	14350	25770	28490	45
70 feet	16	80.5	45560	59500	126530	126530	75
	20	77.1	37520	44440	101200	101200	75
	25	72.9	29600	33610	71110	76750	73
	30	68.5	23420	26830	53180	57870	72
	35	64.0	19190	22150	42230	46210	69
	40	59.3	16220	18830	34950	38400	67
	50	49.2	12120	14220	25670	28380	59
	60	37.0	9490	11260	20090	22320	49
80 feet	17	80.9	42820	54620	118950	118950	85
	20	78.7	37140	44210	101120	101120	85
	25	75.1	29390	33390	71010	76640	84
	30	71.3	23230	26630	53060	57750	82
	35	67.5	18990	21940	42090	46070	80
	40	63.5	16030	18630	34810	38250	78
	50	55.1	11920	14020	25520	28230	72
	60	45.8	9280	11040	19910	22140	64
90 feet	70	34.5	7520	9030	16230	18120	52
	80	17.9	6170	7490	13540	15180	31
	19	80.7	38520	47030	106380	106380	95
	20	80.0	36760	43960	101030	101030	95
	25	76.8	29180	33170	70900	76520	94
	30	73.5	23020	26410	52930	57600	93
	35	70.1	18780	21730	41940	45910	91
	40	66.7	15840	18430	34660	38100	89
100 feet	50	59.5	11720	13810	25350	28050	84
	60	51.7	9080	10830	19730	21950	77
	70	43.0	7330	8840	16060	17950	68
	80	32.5	5970	7300	13360	15000	55
	90	16.9	4930	6110	11340	12780	33
	21	80.4	34980	41190	89770	89770	105
	25	78.1	29000	32990	70790	76400	104
	30	75.2	22860	26250	52810	57480	103
	35	72.2	18610	21550	41800	45760	102

Boom Lgth.	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Side	Over Rear	
100 feet cont.	40	69.1	15680	18270	34530	37970	100
	50	62.8	11560	13650	25210	27910	95
	60	56.1	8920	10670	19590	21810	89
	70	48.9	7180	8690	15920	17810	82
	80	40.7	5830	7150	13230	14870	72
	90	30.7	4790	5960	11200	12650	58
	100	16.0	3970	5030	9620	10920	34
110 feet	22	80.8	33250	38680	73420	73420	115
	25	79.2	28780	32760	70670	73420	115
	30	76.5	22640	26020	52670	57330	113
	35	73.8	18390	21330	41640	45600	112
	40	71.1	15470	18060	34370	37810	111
	50	65.5	11350	13430	25040	27740	107
	60	59.6	8840	10590	19540	21760	101
	70	53.3	6980	8480	15750	17630	95
	80	46.4	5630	6950	13050	14680	86
	90	38.7	4580	5750	11010	12460	75
	100	29.2	3760	4810	9430	10720	60
	110	15.2	3100	4060	8170	9350	35
120 feet	24	80.6	30200	34310	61350	61350	125
	25	80.1	28560	32530	61350	61350	125
	30	77.7	22430	25900	52530	57190	124
	35	75.2	18180	21110	41490	45440	122
	40	72.7	15260	17850	34210	37640	121
	50	67.6	11140	13220	24860	27560	117
	60	62.4	8630	10380	19360	21580	113
	70	56.8	6790	8290	15580	17460	107
	80	50.8	5430	6740	12870	14500	100
	90	44.3	4380	5550	10830	12270	90
	100	37.0	3560	4620	9240	10540	79
	110	28.0	2890	3850	7980	9150	63
130 feet	120	14.5	2350	3240	6950	8020	37
	25	80.9	—	—	51400	51400	135
	30	78.6	—	—	51160	51160	134
	35	76.4	—	—	41330	45280	133
	40	74.1	—	—	34060	37490	131
	50	69.4	—	—	24700	27390	128
	60	64.6	—	—	19200	21420	124
	70	59.6	—	—	15420	17300	119
	80	54.4	—	—	12700	14340	112
	90	48.7	—	—	10660	12110	104
	100	42.5	—	—	9080	10380	94
	110	35.4	—	—	7810	8980	82
140 feet	120	26.8	—	—	6780	7850	65
	130	13.9	—	—	5930	6910	38
	27	80.7	—	—	43830	43830	145
	30	79.5	—	—	43740	43740	144
	35	77.4	—	—	41170	43180	143
	40	75.3	—	—	33900	37320	142
	50	71.0	—	—	24520	27210	139
	60	66.6	—	—	19040	21250	135
	70	62.0	—	—	15230	17110	130
	80	57.3	—	—	12520	14150	124
	90	52.2	—	—	10470	11910	117
	100	46.8	—	—	8890	10180	109
	110	40.9	—	—	7610	8780	98
	120	34.1	—	—	6580	7640	85
	130	25.8	—	—	5710	6690	67
	140	13.4	—	—	4990	5900	39

(Continued)

LIFT RATINGS (cont.)

With 47H Tubular Boom and "P-P" Counterweight (26,500 lb)

Boom Lgth.	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Side	Over Rear	
150 feet	28	80.9	—	—	36910	36910	155
	30	80.2	—	—	36850	36850	154
	35	78.2	—	—	36410	36410	153
	40	76.3	—	—	33740	35920	152
	50	72.3	—	—	24340	27030	149
	60	68.2	—	—	18850	21060	146
	70	64.0	—	—	15060	16930	141
	80	59.7	—	—	12330	13960	136
	90	55.1	—	—	10290	11730	130
	100	50.3	—	—	8700	9990	122
	110	45.1	—	—	7420	8590	113
	120	39.4	—	—	6370	7440	102
	130	32.9	—	—	5510	6490	88
	140	24.9	—	—	4780	5690	70
	150	13.0	—	—	4170	5020	40
160 feet	30	80.8	—	—	32060	32060	164
	35	79.0	—	—	31660	31660	164
	40	77.1	—	—	31090	31090	162
	50	73.4	—	—	24170	26850	160
	60	69.6	—	—	18700	20910	156
	70	65.8	—	—	14880	16760	152
	80	61.8	—	—	12160	13790	147
	90	57.6	—	—	10110	11550	142
	100	53.2	—	—	8520	9810	135
	110	48.6	—	—	7240	8410	126
	120	43.6	—	—	6200	7260	117
	130	38.1	—	—	5330	6310	105
	140	31.8	—	—	4600	5510	91
	150	24.1	—	—	3980	4830	72
	160	12.5	—	—	3450	4240	41

Boom Lgth.	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Side	Over Rear	
170 feet	31	81.0	—	—	28030	28030	174
	35	79.6	—	—	27710	27710	174
	40	77.9	—	—	27190	27190	173
	50	74.4	—	—	23990	25400	170
	60	70.9	—	—	18520	20720	167
	70	67.3	—	—	14710	16580	163
	80	63.6	—	—	11970	13590	159
	90	59.7	—	—	9920	11360	153
	100	55.7	—	—	8320	9610	147
	110	51.5	—	—	7040	8210	140
	120	47.1	—	—	5990	7060	131
	130	42.2	—	—	5130	6110	121
	140	36.9	—	—	4390	5300	109
	150	30.8	—	—	3770	4620	94
	160	23.4	—	—	3230	4020	74
	170	12.1	—	—	2780	3520	42

Load Hoisting Data *

Maximum Lifting Capacity — Lbs.	Minimum Pts. of Line	Maximum Hoisting Distance — Ft.	
		Main Drum - RH	Auxiliary Drum - LH
150,000	8	63	49
138,400	7	73	56
118,620	6	85	66
98,850	5	102	79
79,080	4	127	99
59,310	3	170	132
39,540	2	255	198
19,770	1	511	396

*With controlled load lowering on one drum.

5520

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" and up to 1 M.P.H. 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 pin 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. 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 7/8 inch diameter with a minimum breaking strength of 69,200 pounds. Boom suspension line is 5/8 inch diameter with a minimum breaking strength of 41,200 pounds. Boom suspension pendants are 1-1/4 inch diameter with a minimum breaking strength of 172,800 pounds.

Boom and jib erection is over the rear of the machine with outriggers extended and set 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.

ERECTION

Crane with "M-M" counterweight and outriggers extended and set will self-erect over the rear 170 ft. of 47H boom plus 40 ft. of No. 6 jib or 60 ft. of No. 7HL jib.

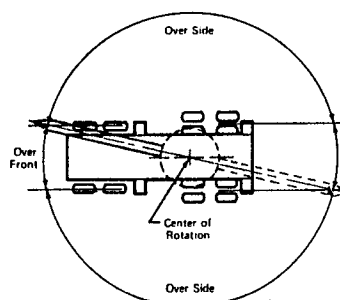


DIAGRAM NO. 1
FREE RATINGS

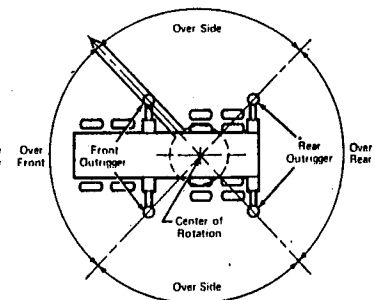


DIAGRAM NO. 2
OUTRIGGERS EXTENDED AND SET

47H TUBULAR BOOM COMPOSITION

Boom Length In Feet	20 Ft. 47H Inner	10 Ft. 47H Center	20 Ft. 47H Center	30 Ft. 47H Center	20 Ft. 47H Outer
40	1	—	—	—	1
50	1	1	—	—	1
60	1	—	1	—	1
70	1	—	—	1	1
80	1	1	—	1	1
90	1	—	1	1	1
100	1	—	—	2	1
110	1	1	—	2	1
120	1	—	1	2	1
130	1	—	—	3	1
140	1	1	—	3	1
150	1	—	1	3	1
160	1	—	—	4	1
170	1	1	—	4	1

BOOM & JIB LENGTH	RADIUS (FEET)	5° JIB OFFSET		15° JIB OFFSET		25° JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
30' JIB & 100' BOOM	27	80.9	13,500*				
	30	79.5	13,500*				
	35	77.3	13,500*	79.5	13,500*		
	40	75.0	13,500*	77.2	13,500*	79.3	13,500*
	50	70.4	13,500*	72.6	13,500*	74.6	12,380*
	60	65.7	13,500*	67.8	13,500*	69.7	11,230*
	70	60.7	13,500*	62.8	12,690*	64.7	10,360*
	80	55.5	12,960	57.6	11,500*	59.4	9,630*
	90	50.0	10,960	52.0	10,590*	53.6	9,020*
	100	43.9	9,400	45.8	9,400	47.3	8,540*
30' JIB & 110' BOOM	29	80.7	13,500*				
	30	80.3	13,500*				
	35	78.2	13,500*	80.3	13,500*		
	40	76.1	13,500*	78.2	13,500*	80.1	13,500*
	50	71.9	13,500*	73.9	13,500*	75.8	12,690*
	60	67.5	13,500*	69.5	13,500*	71.3	11,570*
	70	63.0	13,500*	65.0	13,240*	66.7	10,650*
	80	58.3	12,750	60.2	12,040*	61.9	9,940*
	90	53.3	10,740	55.2	10,740	56.8	9,330*
	100	48.0	9,180	49.8	9,180	51.3	8,820*
	110	42.2	7,930	43.9	7,930	45.3	7,940
30' JIB & 120' BOOM	30	80.9	13,500*				
	35	79.0	13,500*	80.9	13,500*		
	40	77.1	13,500*	79.0	13,500*	80.8	13,500*
	50	73.1	13,500*	75.0	13,500*	76.8	12,950*
	60	69.1	13,500*	71.0	13,500*	72.7	11,850*
	70	64.9	13,500*	66.8	13,500*	68.4	10,960*
	80	60.6	12,540	62.4	12,540	64.0	10,220*
	90	56.1	10,530	57.9	10,530	59.4	9,600*
	100	51.4	8,970	53.1	8,970	54.6	8,970
	110	46.3	7,720	48.0	7,720	49.3	7,720
	120	40.6	6,700	42.3	6,700	43.5	6,700
30' JIB & 130' BOOM	32	80.8	13,500*				
	35	79.7	13,500*				
	40	77.9	13,500*	79.7	13,500*		
	50	74.2	13,500*	76.0	13,500*	77.6	13,230*
	60	70.5	13,500*	72.2	13,500*	73.8	12,130*
	70	66.6	13,500*	68.3	13,500*	69.9	11,230*
	80	62.6	12,350	64.3	12,350	65.9	10,510*
	90	58.5	10,350	60.2	10,350	61.7	9,870*
	100	54.2	8,770	55.9	8,780	57.3	8,780
	110	49.6	7,520	51.2	7,520	52.6	7,530
	120	44.7	6,500	46.3	6,500	47.5	6,510
	130	39.3	5,650	40.8	5,660	41.9	5,660
30' JIB & 140' BOOM	33	81.0	13,500*				
	35	80.3	13,500*				
	40	78.6	13,500*	80.3	13,500*		
	50	75.2	13,500*	76.8	13,500*	78.4	13,460*
	60	71.6	13,500*	73.3	13,500*	74.8	12,380*
	70	68.1	13,500*	69.7	13,500*	71.2	11,510*
	80	64.4	12,150	66.0	12,150	67.4	10,740*
	90	60.6	10,140	62.2	10,140	63.6	10,110*
	100	56.6	8,570	58.2	8,570	59.5	8,570

BOOM & JIB LENGTH	RADIUS (FEET)	5° JIB OFFSET		15° JIB OFFSET		25° JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
30' JIB & 140' BOOM	110	52.4	7,320	54.0	7,320	55.3	7,320
	120	48.0	6,290	49.5	6,290	50.8	6,290
	130	43.3	5,440	44.7	5,440	45.9	5,440
	140	38.0	4,710	39.5	4,710	40.5	4,720
30' JIB & 150' BOOM	35	80.9	13,500*				
	40	79.2	13,500*	80.8	13,500*		
	50	76.0	13,500*	77.6	13,500*	79.0	12,900*
	60	72.7	13,500*	74.3	13,500*	75.7	12,490*
	70	69.3	13,500*	70.9	13,500*	72.3	11,770*
	80	65.9	11,950	67.4	11,950	68.8	11,000*
	90	62.4	9,930	63.9	9,930	65.2	9,940
	100	58.7	8,360	60.2	8,360	61.5	8,360
	110	54.9	7,110	56.3	7,110	57.6	7,110
	120	50.9	6,070	52.3	6,080	53.5	6,080
	130	46.6	5,220	48.0	5,220	49.1	5,230
	140	42.0	4,490	43.4	4,500	44.4	4,500
	150	36.9	3,880	38.2	3,880	39.2	3,880
30' JIB & 160' BOOM	37	80.7	13,500*				
	40	79.8	13,500*				
	50	76.7	13,500*	78.2	13,220*	79.6	10,010*
	60	73.6	13,500*	75.1	12,580*	76.5	10,580*
	70	70.5	12,860*	71.9	11,890*	73.3	10,060*
	80	67.2	11,760	68.7	11,220*	70.0	9,550*
	90	63.9	9,740	65.4	9,740	66.6	8,990*
	100	60.5	8,170	61.9	8,170	63.2	8,170
	110	57.0	6,910	58.4	6,910	59.6	6,920
	120	53.3	5,880	54.7	5,880	55.8	5,880
	130	49.4	5,030	50.7	5,030	51.9	5,030
	140	45.3	4,300	46.6	4,300	47.6	4,300
	150	40.8	3,680	42.1	3,680	43.0	3,680
	160	35.9	3,150	37.1	3,160	38.0	3,160
30' JIB & 170' BOOM	38	80.9	13,400*				
	40	80.3	13,270*				
	50	77.4	12,410*	78.8	11,290*	80.2	9,390*
	60	74.5	11,600*	75.9	10,640*	77.2	8,930*
	70	71.5	10,820*	72.9	10,010*	74.2	8,450*
	80	68.4	10,080*	69.8	9,380*	71.1	7,930*
	90	65.3	9,370*	66.7	8,730*	67.9	7,400*
	100	62.1	7,960	63.5	7,960	64.7	6,910*
	110	58.8	6,700	60.2	6,700	61.3	6,400*
	120	55.4	5,670	56.7	5,670	57.8	5,670
	130	51.8	4,820	53.1	4,820	54.2	4,820
	140	48.1	4,080	49.3	4,090	50.4	4,090
	150	44.1	3,470	45.3	3,470	46.3	3,470
	160	39.7	2,940	40.9	2,940	41.8	2,940
	170	34.9	2,470	36.1	2,470	36.9	2,480
40' JIB & 100' BOOM	30	80.7	13,500*				
	35	78.6	13,500*				
	40	76.5	13,500*	79.2	13,500*		
	50	72.2	13,500*	74.9	12,810*	77.5	9,750*
	60	67.9	13,500*	70.5	11,310*	73.0	8,840*
	70	63.4	12,370*	66.0	10,090*	68.4	8,080*
	80	58.7	10,910*	61.2	9,160*	63.6	7,470*
	90	53.7	9,720*	56.2	8,360*	58.4	6,970*
	100	48.4	8,810*	50.8	7,720*	52.9	6,570*