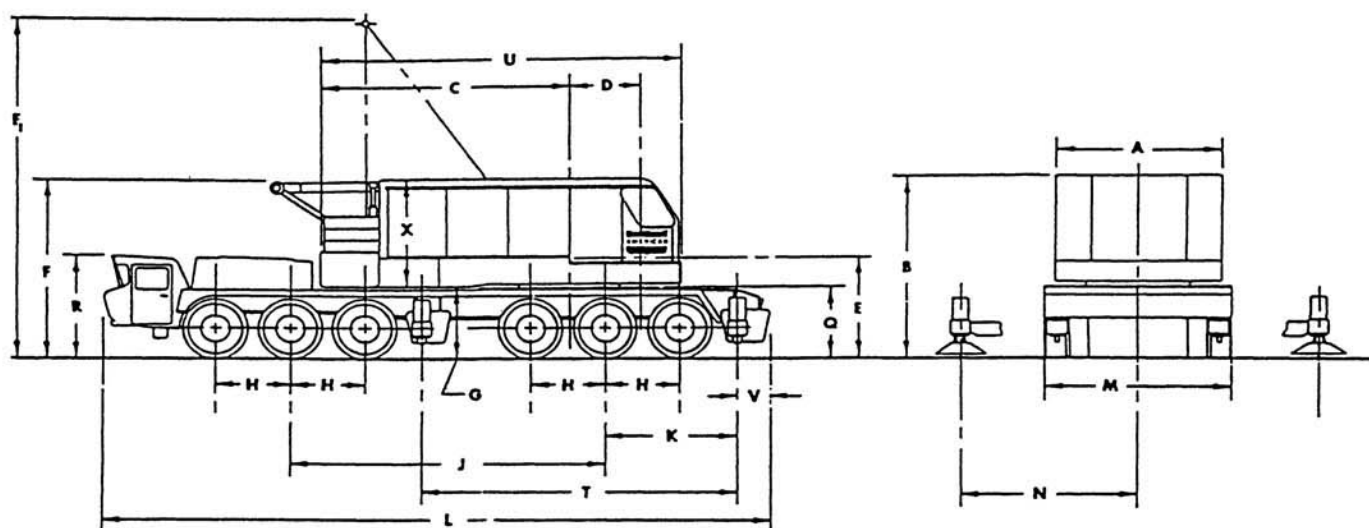




9530 CARRIER SPECIFICATIONS

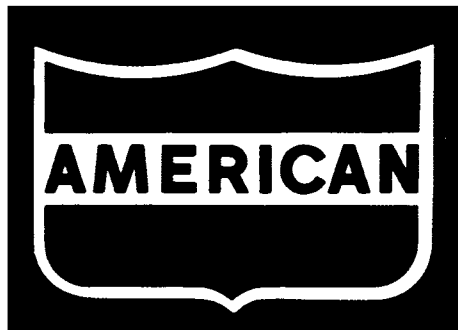
GUAY



GENERAL DIMENSIONS

Width of Cab	
Height to Top of Cab	13'5"
Tail Swing	17'7"
Centerline of Rotation to Centerline of Boom Foot	5'0-3/4"
Ground to Centerline of Boom Foot	7'7-3/4"
Height Over A-Frame (Lowered)	13'6-1/2"
Height Over A-Frame (Raised)	29'3"
Ground to Bottom of Counterweight	5'7"
Distance Between Axles	5'4"
Centerline of Rotation to Centerline of Rear Bogie	2'7-1/4"
Wheel Base	23'2-1/4"
Centerline Rear Bogie to Centerline Rear Outrigger	9'4"

L	Overall Length of Carrier	47'7"
M	Overall Width of Carrier	13'
N	Centerline of Carrier to Centerline of Outrigger	11'6"
Q	Top of Mounting Plate to Ground	5'3"
R	Top of Carrier Cab to Ground	7'7"
T	Centerline Front Outrigger to Center Line Rear Outrigger	22'5"
U	Rear of Counterweight to Front of Cab	25'9"
V	Centerline of Rear Outrigger to End of Carrier	2'6"
X	Bottom of Machinery Deck to Top of Cab	7'-10"
	Turning Radius	66'
	Clearance Under Raised Outrigger Float	4-1/2"
	Clearance Under Equalizer Beam	12"



MODEL 9530

TRUCK CRANE

77H BOOM

90,000# CTWT.*

*77H HAMMERHEAD 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	16	82.8	440000	440000	78
	20	79.5	349600	349600	77
	25	75.4	265050	265050	76
	30	71.1	213710	213710	75
	35	66.7	174400	178330	73
	40	62.2	142270	153700	70
	50	52.4	102980	118370	64
	60	41.0	79790	95230	54
80 feet	70	25.6	64560	79580	38
	17	83.0	433460	433460	88
	20	80.8	349360	349360	88
	25	77.2	264510	264510	87
	30	73.5	213340	213340	85
	35	69.8	174260	179180	84
	40	65.9	142120	153320	82
	50	57.8	102790	117580	76
90 feet	60	48.8	79560	94930	68
	70	38.2	64380	79440	58
	80	23.8	53500	66210	40
	19	82.5	373410	373410	98
	20	81.9	348810	348810	98
	25	78.7	264950	264950	97
	30	75.4	213210	213210	96
	35	72.1	174100	178840	94
100 feet	40	68.7	141920	152970	92
	50	61.7	102580	117600	88
	60	54.2	79320	94800	81
	70	45.8	64160	79130	73
	80	35.9	53290	66020	61
	90	22.4	45170	56170	42
	20	82.7	348120	348120	108
	25	79.8	265520	265520	107
110 feet	30	76.9	213930	213930	106
	35	73.9	173870	177980	105
	40	70.9	141670	151860	103
	50	64.8	102290	117040	99
	60	58.2	79010	93970	93
	70	51.2	63860	78610	86
	80	43.3	52980	65710	77
	90	34.0	44860	55870	64
120 feet	100	21.2	38580	48280	44
	21	82.8	328320	328320	118
	25	80.7	263830	263830	117
	30	78.1	212620	212620	116
	35	75.4	173640	177040	115
	40	72.7	141420	152050	114
	50	67.2	102000	116510	110
	60	61.4	78700	93710	105
130 feet	70	55.3	63560	78430	99
	80	48.6	52670	65410	91
	90	41.2	44550	55560	81
	100	32.3	38270	47970	67
	110	20.1	33330	42000	46

Boom Length (Feet)	Radius in Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
120 feet	22	82.9	309800	309800	128
	25	81.5	263390	263390	127
	30	79.1	212700	212700	126
	35	76.7	173430	177130	125
	40	74.2	141200	151460	124
	50	69.2	101770	115780	121
	60	64.0	78440	93050	116
	70	58.5	63310	78010	111
130 feet	80	52.7	52420	65170	104
	90	46.4	44300	55320	95
	100	39.3	38010	47710	84
	110	30.9	33140	41810	70
	120	19.2	29000	36830	47
	24	82.6	278690	278690	137
	25	82.2	264920	264920	137
	30	79.9	211870	211870	137
140 feet	35	77.7	173160	176380	136
	40	75.4	140900	150320	134
	50	70.8	101430	115400	131
	60	66.1	78070	92490	127
	70	61.2	62950	77490	122
	80	56.0	52050	64750	116
	90	50.5	43910	54940	109
	100	44.5	37620	47340	99
150 feet	110	37.7	32780	41460	88
	120	29.6	28660	36500	72
	130	18.4	25210	32360	49
	25	82.7	259280	259280	147
	30	80.7	211720	211720	147
	35	78.6	172880	175820	146
	40	76.5	140590	150290	145
	50	72.3	101110	114450	142
160 feet	60	67.9	77710	91820	138
	70	63.4	62610	76750	134
	80	58.7	51680	64370	128
	90	53.8	43540	54580	121
	100	48.5	37240	46960	113
	110	42.8	32450	41130	103
	120	36.2	28330	36170	91
	130	28.5	24880	32040	75
170 feet	140	17.7	21970	28550	50
	26	82.8	227370	227370	157
	30	81.3	212120	212120	157
	35	79.4	172590	174520	156
	40	77.4	140280	149110	155
	50	73.5	100760	114060	152
	60	69.5	77330	91520	149
	70	65.3	62220	76220	145
180 feet	80	61.0	51290	63760	140
	90	56.6	43150	54190	134
	100	51.8	36830	46830	126
	110	46.8	32060	40740	118
	120	41.2	27940	35790	107
	130	35.0	24510	31670	94

Boom Length (Feet)	Radius in Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
150 feet cont.	140	27.5	21600	28180	77
	150	17.1	19110	25200	52
160 feet	27	82.9	200040	200040	167
	30	81.8	200040	200040	167
	35	80.0	172290	175750	166
	40	78.2	139960	148820	165
	50	74.5	100400	113730	163
	60	70.8	76940	90760	160
	70	67.0	61840	75640	156
	80	63.0	50910	63360	151
170 feet	90	58.9	42750	53710	145
	100	54.6	36730	46460	139
	110	50.1	31680	40380	131
	120	45.2	27560	35410	122
	130	39.8	24130	31290	111
	140	33.8	21220	27810	97
	150	26.6	18730	24830	80
	160	16.5	16570	22240	53
180 feet	28	83.0	176640	176640	177
	30	82.3	176640	176640	177
	35	80.6	172000	176640	176
	40	78.9	139670	149430	175
	50	75.5	100090	112950	173
	60	72.0	76610	90530	170
	70	68.4	61510	75090	167
	80	64.7	50560	62600	162
190 feet	90	60.9	42400	53430	157
	100	57.0	36410	46150	151
	110	52.8	31350	40050	144
	120	48.5	27230	35090	136
	130	43.8	23790	30960	126
	140	38.6	20900	27480	114
	150	32.8	18410	24500	100
	160	25.7	16260	21930	82
200 feet	170	16.0	14370	19670	55
	30	82.7	158580	158580	187
	35	81.1	158580	158580	186
	40	79.5	139340	149200	186
	50	76.3	99740	113380	183
	60	73.0	76220	89790	181
	70	69.6	61120	74450	177
	80	66.2	50160	62060	173
210 feet	90	62.7	41980	52710	168
	100	59.0	36010	45750	163
	110	55.2	30950	39650	156
	120	51.2	26830	34690	149
	130	47.0	23390	30560	140
	140	42.5	20480	27080	130
	150	37.5	18000	24100	118
	160	31.8	15850	21530	103
220 feet	170	25.0	13960	19270	84
	180	15.5	12310	17290	56

continued

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

**77H HAMMERHEAD BOOM RATING (cont.)****WITH 90,000# CTWT.***

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
190 feet	31	82.8	141400	141400	197
	35	81.6	141400	141400	197
	40	80.1	139020	141400	196
	50	77.0	99380	113280	194
	60	73.9	75820	89100	191
	70	70.7	60740	73830	188
	80	67.5	49760	61510	184
	90	64.2	41570	52250	180
	100	60.8	35620	45370	174
	110	57.3	30560	39260	168
	120	53.6	26430	34300	161
	130	49.8	22990	30170	153
	140	45.7	20090	26680	144
	150	41.3	17610	23710	134
200 feet	160	36.4	15450	21130	121
	170	30.9	13560	18870	106
	180	24.3	11910	16890	86
	190	15.1	10430	14900	57
	32	82.9	127700	127700	207
	35	82.0	127700	127700	207
	40	80.6	127700	127700	206
	50	77.7	99000	112460	204
	60	74.7	75420	88420	201
	70	71.7	60340	73200	198
	80	68.7	49340	60930	195
	90	65.6	41150	52220	191
	100	62.4	35210	44960	186
	110	59.1	30150	38860	180
	120	55.7	26010	33880	174
210 feet	130	52.2	22570	29750	166
	140	48.4	19670	26210	158
	150	44.5	17170	23280	148
	160	40.2	15020	20700	137
	170	35.5	13140	18450	124
	180	30.1	11470	16430	108
	190	23.7	10000	14460	88
	33	83.0	115320	115320	217
	35	82.4	115320	115320	217
	40	81.0	115320	115320	216
	50	78.3	98640	111560	214
	60	75.5	75030	87800	212
	70	72.6	59940	72600	209
	80	69.8	46940	60370	206
	90	66.8	40730	51810	202
	100	63.8	34820	44570	197
	110	60.7	29740	38460	192
	120	57.6	25600	33470	186
	130	54.3	22160	29340	179
	140	50.8	19250	25770	171
	150	47.2	16760	22870	162
	160	43.3	14600	20290	152
	170	39.2	12720	18040	141
	180	34.6	11060	15910	127
	190	29.3	9590	13950	111
	200	23.1	8270	12200	90
	210	14.3	7090	10590	60

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
220 feet	35	82.8	103880	103880	227
	40	81.4	103500	103500	226
	50	78.8	98300	102340	224
	60	76.1	74660	88590	222
	70	73.5	59580	72070	219
	80	70.7	48560	59850	216
	90	67.9	40350	51430	212
	100	65.1	34450	44210	208
	110	62.2	29370	38090	203
	120	59.2	25240	33110	197
	130	56.1	21780	28790	191
	140	52.9	18880	25300	184
	150	49.6	16390	22500	176
	160	46.0	14230	19910	167
230 feet	170	42.3	12340	17580	156
	180	38.2	10680	15430	144
	190	33.7	9200	13450	130
	200	28.6	7890	11740	114
	210	22.5	6700	10130	92
	220	14.0	5650	8700	61
	36	82.8	94600	94600	237
	40	81.8	94280	94280	236
	50	79.3	92930	92930	235
	60	76.6	74250	88660	232
	70	74.2	59190	71640	230
	80	71.6	48150	59290	227
	90	68.9	39920	50940	223
	100	66.2	34050	43630	219
	110	63.5	28960	37500	214
	120	60.7	24810	32580	209
	130	57.8	21360	28270	203
	140	54.8	18450	24720	196
	150	51.7	15950	22070	189
	160	48.4	13800	19490	180
	170	45.0	11910	17010	171
	180	41.3	10240	14830	160
	190	37.3	8760	12900	148
	200	33.0	7450	11200	133
	210	28.0	6270	9610	116
	220	22.0	5200	8200	94
	230	13.7	4230	6890	62
240 feet	37	82.9	86400	86400	247
	40	82.2	86240	86240	246
	50	79.7	84610	84610	245
	60	77.3	73850	83300	243
	70	74.9	58790	71170	240
	80	72.4	47730	58750	237
	90	69.9	39500	50400	234
	100	67.3	33640	43140	230
	110	64.7	28550	37030	225
	120	62.0	24390	31980	220
	130	59.3	20950	27750	215
	140	56.4	18030	24120	208
	150	53.5	15530	21650	201

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
240 feet cont.	160	50.5	13370	18950	193
	170	47.3	11480	16470	185
	180	44.0	9820	14320	175
	190	40.4	8340	12390	164
	200	36.5	7020	10620	151
	210	32.2	5830	9050	136
	220	27.4	4760	7650	118
	230	21.5	3790	6380	96
	240	13.4	2920	5190	63
	38	82.9	79130	79130	257
	40	82.5	78760	78760	256
	50	80.2	77190	77190	255
	60	77.8	73450	75830	253
	70	75.5	58380	71940	251
	80	73.1	47310	59290	248
250 feet	90	70.7	39070	49590	244
	100	68.2	33230	42630	241
	110	65.8	28130	36360	236
	120	63.2	23970	31360	232
	130	60.6	20510	27170	226
	140	58.0	17590	24200	220
	150	55.2	15090	21180	214
	160	52.4	12930	18340	206
	170	49.4	11030	15930	198
	180	46.3	9370	13740	189
	190	43.0	7890	11780	179
	200	39.5	6570	10040	167
	210	35.7	5390	8490	154
	220	31.6	4310	7090	139
	230	26.8	3350	5820	121
	240	21.1	2460	4650	98
	250	13.1	1660	3580	64
260 feet	39	83.0	70960	70960	267
	40	82.8	70790	70790	266
	50	80.5	69340	69340	265
	60	78.3	67590	67590	263
	70	76.0	57980	65500	261
	80	73.8	46900	58940	258
	90	71.5	38640	49070	255
	100	69.1	32810	41900	251
	110	66.7	27710	35870	247
	120	64.3	23550	30740	243
	130	61.9	20080	26590	238
	140	59.3	17170	23790	232
	150	56.7	14660	20580	226
	160	54.0	12500	17810	219
	170	51.3	10600	15300	211
	180	48.4	8930	13120	203
	190	45.3	7460	11210	193
	200	42.1	6130	9510	183
	210	38.7	4950	7950	171
	220	35.0	3870	6520	157
	230	30.9	2900	5260	142
	240	26.3	2010	4090	123
	250	20.7	—	3050	100
	260	12.8	—	2060	66

9530.01

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

**77H TAPERED TIP BOOM RATING****WITH 90,000# CTWT.***

Boom Length (Feet)	Radius in Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
100 feet	21	80.8	221500	221500	106
	25	78.5	221500	221500	106
	30	75.6	221500	221500	104
	35	72.6	177330	183340	103
	40	69.6	145320	157200	101
	50	63.3	106170	121750	97
	60	56.7	83050	98800	91
	70	49.5	68000	82700	84
	80	41.5	57210	69930	74
	90	31.9	49170	60170	60
	100	18.3	42960	52650	39
110 feet	23	80.6	221370	221370	116
	25	79.6	221370	221370	116
	30	76.9	220340	220340	115
	35	74.2	177060	182810	113
	40	71.5	145030	156260	112
	50	65.9	105860	121090	108
	60	60.0	82690	98520	103
	70	53.8	67660	82190	96
	80	47.1	56850	69580	88
	90	39.5	48800	59810	77
	100	30.3	42580	52280	63
	110	17.5	37640	46300	41
120 feet	24	80.9	221230	221230	126
	25	80.4	221230	221230	126
	30	78.0	220330	220330	125
	35	75.6	176770	182740	124
	40	73.1	144730	155920	122
	50	68.0	105540	120620	119
	60	62.8	82350	98140	114
	70	57.2	67320	81660	108
	80	51.4	56510	69250	101
	90	44.9	48450	59470	92
	100	37.7	42210	51920	81
	110	29.0	37250	45920	66
	120	16.7	33310	41150	42
130 feet	26	80.7	221090	221090	136
	30	78.9	219460	219460	135
	35	76.7	176450	181940	134
	40	74.4	144400	154700	133
	50	69.8	105180	119900	130
	60	65.0	81970	97360	125
	70	60.0	66940	81000	120
	80	54.8	56120	68870	114
	90	49.2	48050	59080	106
	100	43.1	41800	51520	96
	110	36.2	36840	45690	84
	120	27.9	32930	40770	68
	130	16.0	29550	36700	43
140 feet	27	81.0	220950	220950	146
	30	79.7	218040	218040	145
	35	77.7	176120	180630	144
	40	75.5	144060	154320	143
	50	71.3	104820	119100	140
	60	66.9	81590	96880	136
	70	62.4	66580	80460	132
	80	57.6	55730	68490	126
	90	52.6	47660	58690	119
	100	47.3	41400	51120	110
	110	41.4	36640	45320	100

Boom Length (Feet)	Radius in Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
140 feet cont.	120	34.8	32560	40410	87
	130	26.8	29170	36330	71
	140	15.5	26310	32880	45
150 feet	29	80.8	220090	220090	156
	30	80.4	218110	218110	155
	35	78.5	175830	180690	155
	40	76.5	143750	154070	153
	50	72.6	104510	118950	151
	60	68.5	81250	96360	147
	70	64.3	66250	80190	143
	80	60.0	55410	68170	138
	90	55.5	47330	58360	131
	100	50.7	41070	50790	124
	110	45.6	36330	45020	115
	120	40.0	32260	40110	104
	130	33.6	28860	36020	91
	140	25.9	26000	32580	73
	150	14.9	23550	29630	46
160 feet	31	80.7	197210	197210	165
	35	79.2	175490	179670	165
	40	77.4	143410	153360	164
	50	73.7	104130	118110	161
	60	69.9	80850	95700	158
	70	66.1	65850	80550	154
	80	62.1	54990	67760	149
	90	57.9	46900	57940	143
	100	53.6	40640	50360	136
	110	49.0	35930	44620	128
	120	44.1	31850	39700	119
	130	38.7	28450	35620	108
	140	32.5	25580	32170	94
	150	25.1	23130	29220	75
	160	14.5	21020	26690	47
170 feet	32	80.9	175610	175610	175
	35	79.9	175160	175610	175
	40	78.1	143050	153810	174
	50	74.7	103760	117330	172
	60	71.1	80440	95030	168
	70	67.5	65460	80040	165
	80	63.8	54590	67370	160
	90	60.0	46500	57540	155
	100	56.1	40230	49960	149
	110	51.9	35540	44240	141
	120	47.5	31460	39310	133
	130	42.7	28050	35220	123
	140	37.5	25180	31770	111
	150	31.5	22730	28820	96
	160	24.3	20610	26280	78
	170	14.0	18760	24060	49
180 feet	34	80.7	157950	157950	185
	35	80.4	157950	157950	185
	40	78.8	142680	153300	184
	50	75.5	103370	116580	182
	60	72.2	80020	94360	179
	70	68.9	65050	79480	175
	80	65.4	54170	66950	171
	90	61.8	46050	57110	166
	100	58.2	39780	49520	160
	110	54.3	35120	43820	154
	120	50.3	31030	38890	146

Boom Length (Feet)	Radius in Feet	Boom Angle Degrees	Outriggers Set		Ft. From Boom Point
			Over Side	Over Rear	
180 feet cont.	130	46.0	27630	34800	137
	140	41.4	24750	31350	127
	150	36.4	22300	28400	114
	160	30.6	20180	25850	99
	170	23.6	18320	23620	80
	180	13.6	16700	21680	50
190 feet	35	80.9	141760	141760	195
	40	79.4	141760	141760	194
	50	76.3	102980	117350	192
	60	73.2	79610	93720	189
	70	70.0	64640	78520	186
	80	66.8	53750	66530	182
	90	63.4	45630	56690	178
	100	60.0	39360	49100	172
	110	56.5	34710	43420	166
	120	52.8	30620	38490	159
	130	48.9	27220	34390	151
	140	44.7	24340	30940	141
	150	40.3	21880	27980	130
	160	35.4	19750	25430	118
	170	29.6	17900	23210	102
	180	23.0	16270	21250	82
	190	13.3	14830	19530	51
200 feet	37	80.8	128440	128440	205
	40	79.9	128230	128230	204
	50	77.0	102610	116940	202
	60	74.1	79230	93150	200
	70	71.1	64270	78020	197
	80	68.0	53370	66080	193
	90	64.9	45250	56310	189
	100	61.7	38960	48700	184
	110	58.4	34340	43050	178
	120	54.9	30250	38120	171
	130	51.3	26850	34030	164
	140	47.6	23970	30570	155
	150	43.6	21510	27610	145
	160	39.2	19370	25050	134
	170	34.4	17530	22830	121
	180	29.0	15880	20870	105
	190	22.4	14440	19140	84
	200	12.9	13160	17610	52
210 feet	38	81.0	116520	116520	215
	40	80.4	116520	116520	215
	50	77.6	102220	116240	213
	60	74.8	78810	92520	210
	70	72.0	63860	77460	207
	80	69.1	52940	65220	204
	90	66.1	44810	55880	200
	100	63.1	38520	48270	195
	110	60.0	33930	42640	189
	120	56.8	29820	37690	183
	130	53.5	26420	33600	176
	140	50.0	23530	30130	168
	150	46.4	21080	27180	160
	160	42.5	18940	24620	149
	170	38.2	17080	22400	138
	180	33.6	15440	20430	124
	190	28.3	13990	18700	107
	200	21.8	12700	17150	86
	210	12.6	11550	15770	53

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

continued

**77H TAPERED TIP BOOM RATING (cont.)**

WITH 90,000# CTWT.*

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
220 feet	40	80.9	104980	104980	225
	50	78.2	101830	103950	223
	60	75.5	78390	93110	221
	70	72.8	63440	76920	218
	80	70.1	52520	64710	214
	90	67.3	44380	55280	211
	100	64.4	38080	47840	206
	110	61.5	33510	42220	201
	120	58.5	29400	37280	195
	130	55.4	25990	33180	189
	140	52.2	23110	29710	181
	150	48.8	20640	26750	173
	160	45.2	18520	24200	164
	170	41.4	16650	21960	153
	180	37.3	15010	20000	141
230 feet	190	32.8	13560	18260	127
	200	27.6	12260	16710	110
	210	21.3	11100	15320	88
	220	12.3	10070	14080	54
	42	80.8	95560	95560	235
	50	78.7	95000	95000	233
	60	76.2	77950	92460	231
	70	73.6	63020	76410	228
	80	71.0	52090	64190	225
	90	68.3	43940	54780	221
	100	65.6	37630	47390	217
	110	62.9	33070	41790	212
	120	60.0	28960	36840	207
	130	57.1	25550	32740	201
	140	54.1	22660	29270	194
240 feet	150	50.9	20200	26310	186
	160	47.7	18060	23750	178
	170	44.2	16200	21520	168
	180	40.5	14560	19550	157
	190	36.5	13100	17810	144
	200	32.1	11810	16260	130
	210	27.0	10650	14870	112
	220	20.9	9600	13610	89
	230	12.0	8670	12330	56
	43	80.9	87510	87510	245
	50	79.2	86600	86600	243
	60	76.8	77530	84830	241
	70	74.3	62610	75790	239
	80	71.8	51660	63410	236
	90	69.3	43500	54590	232
240 feet	100	66.7	37180	46940	228
	110	64.1	32650	41380	223
	120	61.4	28540	36420	218
	130	58.6	25120	32310	212
	140	55.8	22240	28850	206
	150	52.8	19760	25880	199
	160	49.8	17620	23320	191
	170	46.6	15760	21080	182
	180	43.2	14120	19120	172
	190	39.6	12660	17370	161
	200	35.7	11360	15810	148
	210	31.4	10200	14420	132
	220	26.4	9140	13100	114
	230	20.4	8190	11810	91
	240	11.8	7360	10640	57

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
250 feet	45	80.8	80170	80170	254
	50	79.6	79310	79310	253
	60	77.3	77130	77680	251
	70	74.9	62220	75130	249
	80	72.6	51250	62890	246
	90	70.1	43090	54180	243
	100	67.7	36760	47070	239
	110	65.2	32260	40990	234
	120	62.6	28140	36030	230
	130	60.0	24720	31910	224
	140	57.3	21840	28450	218
	150	54.6	19360	25480	211
	160	51.7	17220	22920	204
	170	48.7	15360	20680	195
	180	45.6	13710	18710	186
260 feet	190	42.3	12260	16970	176
	200	38.8	10950	15400	164
	210	34.9	9790	13990	151
	220	30.7	8730	12580	135
	230	25.9	7790	11310	117
	240	20.0	6920	10140	93
	250	11.6	6150	9110	58
	46	80.9	72070	72070	264
	50	80.0	72070	72070	264
	60	77.8	69950	69950	262
	70	75.5	61790	68070	259
	80	73.2	50820	63560	257
	90	70.9	42650	53740	253
	100	68.6	36310	46650	250
	110	66.2	31820	40550	245
270 feet	120	63.8	27700	35590	241
	130	61.3	24280	31480	236
	140	58.7	21390	28010	230
	150	56.1	18920	25030	223
	160	53.4	16770	22470	216
	170	50.6	14910	20230	209
	180	47.7	13260	18260	200
	190	44.7	11800	16510	190
	200	41.4	10500	14940	180
	210	38.0	9330	13360	168
	220	34.2	8270	11990	154
	230	30.1	7320	10750	138
	240	25.4	6450	9600	119
	250	19.6	5670	8540	95
	260	11.3	4960	7570	59
270 feet	48	80.8	66090	66090	274
	50	80.4	65710	65710	274
	60	78.3	64410	64410	272
	70	76.1	61370	62590	270
	80	73.9	50390	60440	267
	90	71.7	42210	53310	264
	100	69.4	36460	46230	260
	110	67.1	31400	40140	256
	120	64.8	27280	35170	252
	130	62.4	23850	31050	247
	140	60.0	20950	27550	241
	150	57.5	18480	24610	235
	160	55.0	16330	22030	229
	170	52.3	14460	19790	221
	180	49.6	12820	17820	213

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Outriggers Set		Fl. From Boom Point
			Over Side	Over Rear	
270 feet cont.	190	46.8	11350	16050	204
	200	43.8	10050	14360	194
	210	40.6	8880	12810	183
	220	37.2	7820	11420	171
	230	33.6	6860	10150	157
	240	29.5	6000	9010	141
	250	24.9	5200	7980	121
	260	19.2	4480	7020	96
	270	11.1	3840	6150	60
280 feet	49	81.0	60750	60750	284
	50	80.8	60650	60650	284
	60	78.7	59090	59090	282
	70	76.6	57490	57490	280
	80	74.5	49940	55410	277
	90	72.3	41760	52760	274
	100	70.2	36020	45800	271
	110	68.0	30960	39630	267
	120	65.8	26830	34650	263
	130	63.5	23400	30590	258
	140	61.2	20510	26980	253
	150	58.8	18030	24150	247
	160	56.4	15880	21580	241
	170	53.9	14010	19340	234
	180	51.3	12360	17360	226
290 feet	190	48.7	10900	15500	218
	200	45.9	9590	13730	209
	210	43.0	8410	12190	198
	220	39.9	7350	10840	187
	230	36.5	6400	9570	174
	240	33.0	5520	8410	160
	250	29.0	4730	7370	143
	260	24.4	4000	6410	123
	270	18.9	3350	5540	98
	280	10.9	2760	4740	61
	51	80.9	55970	55970	294
	60	79.1	54440	54440	292
	70	77.1	52790	52790	290
	80	75.0	49520	50860	288
	90	73.0	41310	48890	285
	100	70.9	35600	45310	282
	110	68.8	30530	39150	278
290 feet	120	66.7	26400	34090	274
	130	64.5	22970	29980	269
	140	62.3	20060	26410	264
	150	60.0	17580	23710	259
	160	57.7	15440	21140	253
	170	55.3	13560	18890	246
	180	52.9	11910	16760	239
	190	50.4	10450	14860	231
	200	47.8	9140	13160	222
	210	45.0	7960	11620	213
	220	42.2	6900	10230	202
	230	39.1	5940	9000	191
	240	35.9	5060	7860	178
	250	32.4	4270	6790	163
	260	28.5	3540	5860	146
	270	24.0	2870	4960	125
	280	18.5	2260	4150	100
	290	10.7	1720	3410	62

9530.02

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

**TUBULAR CHORD JIB RATINGS (cont.)****NO. 16HL JIB RATING**

JIB LENGTH		40'	50'	60'	70'	80'	90'	100'
MIN. BOOM LENGTH		160'	160'	180'	180'	200'	220'	230'
JIB WORKING RANGE	JIB ANGLE							
80' RADIUS OR LESS	5°	32,000	26,900	24,850	21,650	15,900	11,900	9,000
	15°	29,500	25,300	22,100	19,000	14,000	10,200	—
	25°	21,500	19,200	17,800	16,100	—	—	—
81' RADIUS TO 120' RADIUS	5°	28,900	25,300	24,300	18,900	13,700	10,200	7,600
	15°	22,300	19,700	18,500	16,800	12,300	9,000	6,600
	25°	17,400	15,400	14,300	12,900	11,300	8,100	5,900
121' RADIUS TO 160' RADIUS	5°	22,100	19,300	18,500	16,700	12,000	8,900	6,500
	15°	18,200	15,900	15,000	13,500	11,200	8,100	5,900
	25°	15,000	13,100	12,100	10,900	10,400	7,500	5,400
161' RADIUS TO 240' RADIUS	5°	20,500	17,600	15,400	13,700	10,600	7,400	5,300
	15°	17,200	14,800	13,000	11,500	10,200	7,000	4,900
	25°	14,500	12,500	10,900	9,600	8,700	6,800	4,700
Effective Jib Weight At Boom Point — Lbs		1,500	2,050	2,600	3,150	3,700	4,350	4,950

MAX NO. 16HL JIB RATINGS PER BOOM

77S & 92H Booms — Max 100' Jib

APPLICATION

900 Series — All Models with 77S & 92H Booms

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

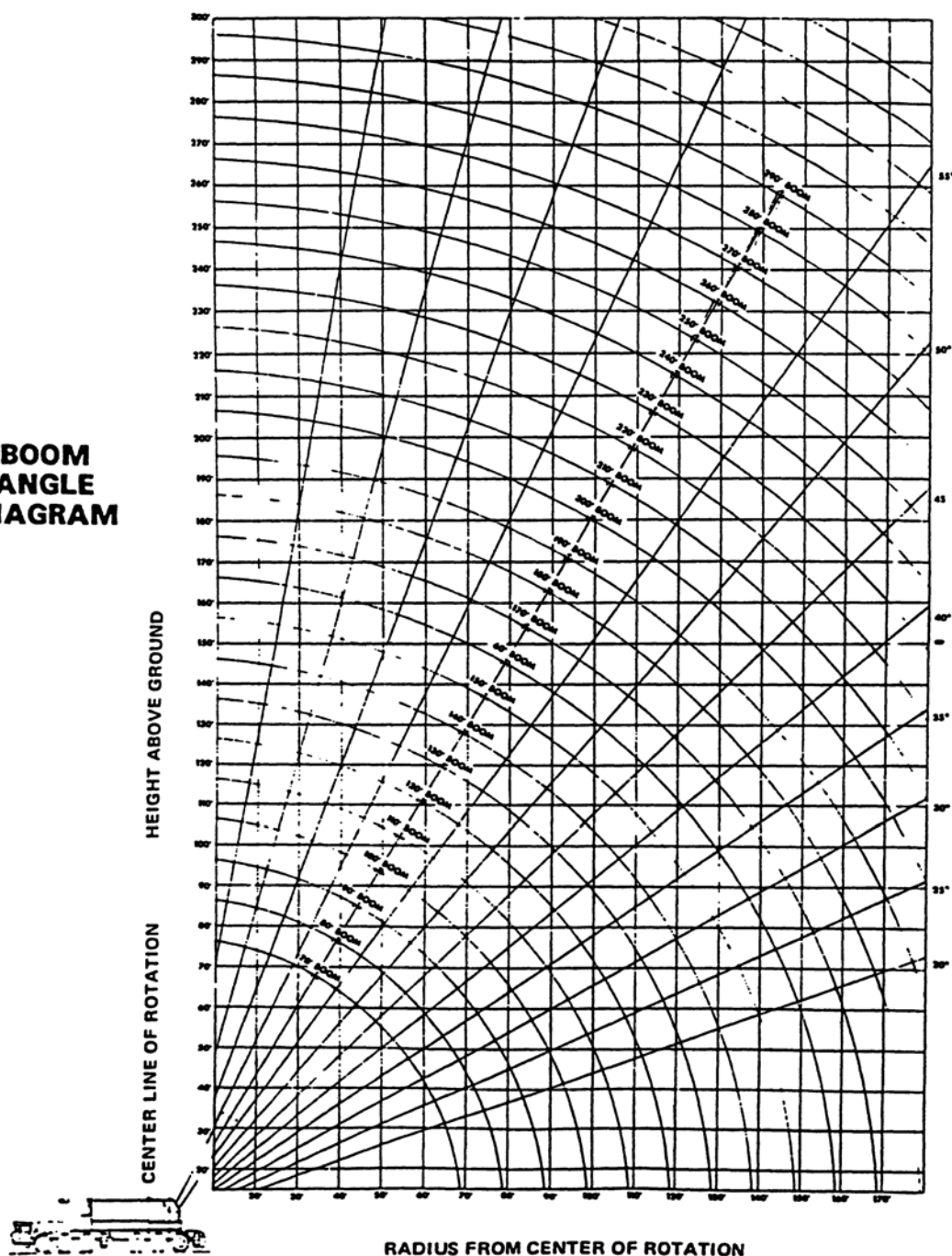
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AMERICAN HOIST
& DERRICK COMPANY
ST. PAUL, MINNESOTA 55107



MODEL 9530 WORKING RANGES

BOOM ANGLE DIAGRAM



JR808

FORM NO 9530-TR-3

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CONSTRUCTION EQUIPMENT GROUP
63 SO ROBERT ST ST PAUL MN 55107



AMERICAN HOIST & DERRICK COMPANY
AN EQUAL OPPORTUNITY EMPLOYER



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 100' BOOM	31	80.9	32,000*				
	35	79.2	32,000*				
	40	77.1	32,000*	79.8	32,000*		
	50	72.9	32,000*	75.6	32,000*	78.1	32,000*
	60	68.6	32,000*	71.2	32,000*	73.7	28,730*
	70	64.1	32,000*	66.7	32,000*	69.1	26,160*
	80	59.5	32,000*	62.0	29,050*	64.4	24,040*
	90	54.5	30,560*	57.1	26,630*	59.3	22,230*
	100	49.3	27,650*	51.8	24,630*	53.9	20,910*
40' JIB & 110' BOOM	33	80.7	32,000*				
	35	79.9	32,000*				
	40	78.0	32,000*	80.5	32,000*		
	50	74.1	32,000*	76.6	32,000*	79.0	32,000*
	60	70.1	32,000*	72.6	32,000*	74.9	29,480*
	70	66.0	32,000*	68.4	32,000*	70.7	26,830*
	80	61.7	32,000*	64.1	30,320*	66.3	24,760*
	90	57.2	32,000*	59.6	27,750*	61.7	22,970*
	100	52.5	29,370*	54.9	25,690*	56.9	21,550*
	110	47.5	26,800*	49.8	24,040*	51.7	20,370
40' JIB & 120' BOOM	34	80.9	32,000*				
	35	80.6	32,000*				
	40	78.7	32,000*				
	50	75.1	32,000*	77.5	32,000*	79.7	32,000*
	60	71.4	32,000*	73.7	32,000*	75.9	30,180*
	70	67.5	32,000*	69.9	32,000*	72.9	27,600*
	80	63.6	32,000*	65.9	31,470	68.0	25,490*
	90	59.5	32,000*	61.8	28,850*	63.8	23,760*
	100	55.3	31,030*	57.5	26,790*	59.4	22,210*
	110	50.7	28,350*	52.9	24,950*	54.8	21,010*
	120	45.9	26,100*	48.0	23,500*	49.8	20,040*
40' JIB & 130' BOOM	36	80.8	32,000*				
	40	79.4	32,000*				
	50	76.0	32,000*	78.2	32,000*	80.3	32,000*
	60	72.5	32,000*	74.7	32,000*	76.8	30,860*
	70	68.9	32,000*	71.1	32,000*	73.1	28,250*
	80	65.3	32,000*	67.4	32,000*	69.4	26,120*
	90	61.5	32,000*	63.6	29,970*	65.5	24,320*
	100	57.6	32,000*	59.7	27,720*	61.5	22,860*
	110	53.5	29,850*	55.5	25,880*	57.3	21,660*
	120	49.1	27,490*	51.1	24,400*	52.8	20,530*
	130	44.4	25,590*	46.4	23,080*	48.0	19,680*
40' JIB & 140' BOOM	37	81.0	32,000*				
	40	80.0	32,000*				
	50	76.8	32,000*	78.9	32,000*	80.9	32,000*
	60	73.5	32,000*	75.6	32,000*	77.5	31,350*
	70	70.1	32,000*	72.2	32,000*	74.1	28,840*
	80	66.7	32,000*	68.8	32,000*	70.6	26,790*
	90	63.2	32,000*	65.2	30,860*	67.1	24,950*
	100	59.6	32,000*	61.6	28,680*	63.3	23,460*
	110	55.8	31,300*	57.8	26,840*	59.5	22,200*
	120	51.8	28,830*	53.8	25,170*	55.4	21,080*
	130	47.6	26,860*	49.5	23,860*	51.1	20,190*
	140	43.1	24,990*	44.9	22,690*	46.4	19,390*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9533
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 150' BOOM	39	80.8	3,200*				
	40	80.5	32,000*				
	50	77.5	32,000*	79.5	32,000*		
	60	74.4	32,000*	76.4	32,000*	78.2	31,890*
	70	71.2	32,000*	73.2	32,000*	75.0	29,470*
	80	68.0	32,000*	70.0	32,000*	71.7	27,330*
	90	64.7	32,000*	66.7	31,850*	68.4	25,530*
	100	61.3	32,000*	63.2	29,610*	64.9	24,080*
	110	57.8	32,000*	59.7	27,700*	61.4	22,760*
	120	54.2	30,220*	56.0	26,030*	57.6	21,660*
	130	50.3	28,120*	52.2	24,670*	53.7	20,670*
	140	46.3	26,070	48.0	23,380*	49.5	19,850*
	150	41.9	23,650	43.6	22,300*	45.0	19,200*
40' JIB & 160' BOOM	41	80.7	32,000*				
	50	78.1	32,000*	80.0	32,000*		
	60	75.2	32,000*	77.1	32,000*	78.8	32,000*
	70	72.2	32,000*	74.1	32,000*	75.3	29,970*
	80	69.2	32,000*	71.0	32,000*	72.7	27,840*
	90	66.1	32,000*	67.9	32,000*	69.6	26,100*
	100	62.9	32,000*	64.7	30,440*	66.3	24,630*
	110	59.6	32,000*	61.4	28,570*	63.0	23,260*
	120	56.2	31,600*	58.0	26,870*	59.5	22,140*
	130	52.7	28,460	54.4	25,380*	55.9	21,210*
	140	49.0	25,610	50.7	24,120*	52.1	20,330*
40' JIB & 170' BOOM	150	45.0	23,190	46.7	23,000*	48.0	19,570*
	160	40.8	21,100	42.4	21,100	43.6	18,970*
	42	80.9	32,000*				
	50	78.7	32,000*	80.5	32,000*		
	60	75.9	32,000*	77.7	32,000*	79.4	32,000*
	70	73.1	32,000*	74.9	32,000*	76.5	30,460*
	80	70.2	32,000*	72.0	32,000*	73.6	28,360*
	90	67.3	32,000*	69.0	32,000*	70.6	26,700*
	100	64.3	32,000*	66.0	31,330*	67.6	25,130*
	110	61.2	32,000*	62.9	29,370*	64.4	23,810*
	120	58.0	31,390	59.7	27,630*	61.2	22,650*
40' JIB & 180' BOOM	130	54.7	28,010	56.4	26,130*	57.9	21,690*
	140	51.3	25,170	53.0	24,850*	54.3	20,790*
	150	47.7	22,730	49.3	22,740	50.6	20,010*
	160	43.9	20,640	45.4	20,650	46.7	19,370*
	170	39.7	18,810	41.3	18,820	42.4	18,830
	44	80.8	32,000*				
	50	79.2	32,000*	80.9	32,000*		
	60	76.5	32,000*	78.3	32,000*	79.9	32,000*
	70	73.9	32,000*	75.6	32,000*	77.2	30,950*
	80	71.1	32,000*	72.8	32,000*	74.4	28,930*
	90	68.4	32,000*	70.0	32,000*	71.6	27,140*
	100	65.5	32,000*	67.2	32,000*	68.7	25,580*
	110	62.6	32,000*	64.3	30,100*	65.7	24,310*
	120	59.7	30,920	61.3	28,460*	62.7	23,110*
	130	56.6	27,550	58.2	26,900*	59.6	22,120*
	140	53.4	24,700	55.0	24,710	56.3	21,210*
	150	50.0	22,270	51.6	22,280	52.9	20,450*
	160	46.5	20,170	48.1	20,170	49.3	19,760*
	170	42.8	18,340	44.3	18,340	45.5	18,350
	180	38.8	16,730	40.2	16,740	41.3	16,750



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 190' BOOM	45	80.9	32,000*				
	50	79.7	32,000*				
	60	77.1	32,000*	78.8	32,000*	80.3	32,000*
	70	74.6	32,000*	76.2	32,000*	77.7	31,440*
	80	72.0	32,000*	73.6	32,000*	75.1	29,320*
	90	69.3	32,000*	71.0	32,000*	72.4	27,570*
	100	66.7	32,000*	68.3	32,000*	69.7	26,110*
	110	63.9	32,000*	65.5	30,850*	66.9	24,780*
	120	61.1	30,480	62.7	29,130*	64.1	23,610*
	130	58.2	27,100	59.8	27,110	61.1	22,560*
	140	55.2	24,250	56.8	24,250	58.1	21,620*
	150	52.1	21,820	53.6	21,820	54.9	20,820*
	160	48.9	19,710	50.4	19,710	51.6	19,720
	170	45.4	17,870	46.9	17,880	48.1	17,890
	180	41.8	16,260	43.2	16,270	44.3	16,280
	190	37.9	14,850	39.2	14,850	40.2	14,870
40' JIB & 200' BOOM	47	80.8	32,000*				
	50	80.1	32,000*				
	60	77.7	32,000*	79.3	32,000*	80.7	32,000*
	70	75.2	32,000*	76.8	32,000*	78.3	31,810*
	80	72.8	32,000*	74.3	32,000*	75.8	29,860*
	90	70.2	32,000*	71.8	32,000*	73.2	28,100*
	100	67.7	32,000*	69.2	32,000*	70.6	26,530*
	110	65.1	32,000*	66.6	31,700*	68.0	25,150*
	120	62.4	30,060	63.9	29,870*	65.3	24,030*
	130	59.7	26,680	61.2	26,680	62.5	22,950*
	140	56.9	23,830	58.3	23,840	59.6	22,070*
	150	54.0	21,390	55.4	21,390	56.6	21,270*
	160	50.9	19,290	52.4	19,290	53.6	19,300
	170	47.8	17,450	49.2	17,460	50.3	17,470
	180	44.4	15,840	45.8	15,840	46.9	15,850
	190	40.9	14,410	42.2	14,410	43.2	14,430
	200	37.0	13,150	38.3	13,150	39.3	13,170
40' JIB & 210' BOOM	48	81.0	32,000*				
	50	80.5	32,000*				
	60	78.2	32,000*	79.7	32,000*		
	70	75.8	32,000*	77.3	32,000*	78.8	32,000*
	80	73.5	32,000*	75.0	32,000*	76.4	30,230*
	90	71.1	32,000*	72.6	32,000*	73.9	28,450*
	100	68.6	32,000*	70.1	32,000*	71.4	27,020*
	110	66.1	32,000*	67.6	32,000*	68.9	25,580*
	120	63.6	29,610	65.1	29,610	66.4	24,440*
	130	61.0	26,220	62.5	26,220	63.7	23,390*
	140	58.4	23,360	59.8	23,360	61.0	22,480*
	150	55.6	20,920	57.0	20,930	58.2	20,940
	160	52.8	18,810	54.2	18,820	55.3	18,830
	170	49.8	16,980	51.2	16,990	52.3	17,000
	180	46.7	15,370	48.1	15,370	49.2	15,380
	190	43.5	13,930	44.8	13,940	45.8	13,950
	200	40.0	12,660	41.3	12,660	42.2	12,670
	210	36.2	11,520	37.5	11,530	38.3	11,540
40' JIB & 220' BOOM	50	80.9	32,000*				
	60	78.6	32,000*	80.1	32,000*		
	70	76.4	32,000*	77.8	32,000*	79.2	32,000*
	80	74.1	32,000*	75.6	32,000*	76.9	30,590*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 220' BOOM	90	71.8	32,000*	73.3	32,000*	74.6	28,920*
	100	69.5	32,000*	70.9	32,000*	72.2	27,390*
	110	67.1	32,000*	68.5	32,000*	69.8	26,060*
	120	64.7	29,150	66.1	29,160	67.3	24,800*
	130	62.2	25,760	63.6	25,770	64.8	23,820*
	140	59.7	22,900	61.1	22,910	62.3	22,860*
	150	57.1	20,470	58.5	20,470	59.6	20,480
	160	54.4	18,350	55.8	18,360	56.9	18,370
	170	51.7	16,510	53.0	16,520	54.1	16,530
	180	48.8	14,890	50.1	14,900	51.2	14,910
	190	45.8	13,460	47.1	13,470	48.1	13,480
	200	42.6	12,190	43.8	12,190	44.8	12,210
	210	39.2	11,040	40.4	11,050	41.3	11,060
	220	35.5	10,020	36.7	10,030	37.5	10,040
40' JIB & 230' BOOM	51	81.0	32,000*				
	60	79.1	32,000*	80.5	32,000*		
	70	76.9	32,000*	78.3	32,000*	79.6	32,000*
	80	74.7	32,000*	76.1	32,000*	77.4	31,030*
	90	72.5	32,000*	73.9	32,000*	75.2	29,250*
	100	70.3	32,000*	71.6	32,000*	72.9	27,810*
	110	68.0	32,000*	69.4	32,000*	70.6	26,380*
	120	65.7	28,680	67.1	28,690	68.3	25,250*
	130	63.3	25,290	64.7	25,300	65.9	24,220*
	140	60.9	22,430	62.3	22,440	63.4	22,450
	150	58.5	19,990	59.8	20,000	60.9	20,010
	160	55.9	17,880	57.3	17,880	58.4	17,890
	170	53.3	16,040	54.6	16,040	55.7	16,050
	180	50.6	14,420	51.9	14,420	52.9	14,430
	190	47.8	12,980	49.1	12,980	50.1	12,990
	200	44.9	11,700	46.1	11,710	47.1	11,720
	210	41.7	10,550	42.9	10,560	43.9	10,570
	220	38.4	9,530	39.6	9,540	40.4	9,550
	230	34.8	8,600	35.9	8,610	36.7	8,620
40' JIB & 240' BOOM	53	80.9	32,000*				
	60	79.5	32,000*	80.8	32,000*		
	70	77.4	32,000*	78.7	32,000*	80.0	29,770*
	80	75.3	32,000*	76.6	32,000*	77.9	28,820*
	90	73.2	32,000*	74.5	32,000*	75.7	27,720*
	100	71.0	32,000*	72.3	31,400*	73.5	26,690*
	110	68.8	32,000*	70.1	30,110*	71.3	25,640*
	120	66.6	28,230	67.9	28,240	69.1	24,540*
	130	64.4	24,840	65.7	24,840	66.8	23,420*
	140	62.1	21,970	63.4	21,970	64.5	21,980
	150	59.7	19,520	61.0	19,530	62.1	19,530
	160	57.3	17,410	58.6	17,420	59.7	17,430
	170	54.8	15,570	56.1	15,570	57.2	15,580
	180	52.3	13,940	53.5	13,940	54.6	13,950
	190	49.7	12,510	50.9	12,510	51.9	12,520
	200	46.9	11,220	48.1	11,230	49.0	11,240
	210	44.0	10,080	45.2	10,090	46.1	10,100
	220	40.9	9,050	42.1	9,060	43.0	9,070
	230	37.7	8,120	38.8	8,120	39.6	8,140
	240	34.2	7,280	35.2	7,290	35.9	7,300



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#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 250' BOOM	55	80.8	32,000*				
	60	79.8	32,000*				
	70	77.8	32,000*	79.1	31,840*	80.3	26,660*
	80	75.8	32,000*	77.1	30,500*	78.3	25,550*
	90	73.7	31,510*	75.0	29,080*	76.2	24,540*
	100	71.7	29,910*	73.0	27,750*	74.1	23,500*
	110	69.6	28,450*	70.9	26,440*	72.0	22,390*
	120	67.5	27,000*	68.7	25,230*	69.9	21,330*
	130	65.3	24,400	66.6	23,980*	67.7	20,360*
	140	63.1	21,540	64.4	21,540	65.5	19,370*
	150	60.9	19,090	62.1	19,090	63.2	18,420*
	160	58.6	16,970	59.8	16,970	60.9	16,980
	170	56.2	15,120	57.4	15,130	58.5	15,140
	180	53.8	13,500	55.0	13,510	56.0	13,520
	190	51.3	12,060	52.5	12,070	53.5	12,080
	200	48.7	10,780	49.9	10,790	50.8	10,800
	210	46.0	9,640	47.2	9,640	48.1	9,650
	220	43.2	8,600	44.3	8,600	45.2	8,610
	230	40.2	7,670	41.3	7,670	42.1	7,690
	240	37.0	6,820	38.1	6,820	38.8	6,830
	250	33.5	6,050	34.6	6,060	35.2	6,070
40' JIB & 260' BOOM	56	80.9	32,000*				
	60	80.2	32,000*				
	70	78.2	31,130*	79.5	28,440*	80.7	23,720*
	80	76.3	29,360*	77.5	27,020*	78.7	22,640*
	90	74.3	27,790*	75.6	25,650*	76.7	21,610*
	100	72.3	26,260*	73.6	24,380*	74.7	20,510*
	110	70.3	24,860*	71.5	23,170*	72.7	19,490*
	120	68.3	23,490*	69.5	21,920*	70.6	18,410*
	130	66.2	22,240*	67.4	20,790*	68.5	17,460*
	140	64.1	21,070	65.3	19,740*	66.4	16,490*
	150	61.9	18,620	63.1	18,620	64.2	15,570*
	160	59.7	16,500	60.9	16,500	62.0	14,680*
	170	57.5	14,650	58.7	14,650	59.7	13,880*
	180	55.2	13,030	56.4	13,030	57.4	13,020*
	190	52.8	11,580	54.0	11,590	55.0	11,600
	200	50.4	10,290	51.5	10,300	52.5	10,310
	210	47.9	9,150	49.0	9,150	49.9	9,160
	220	45.2	8,110	46.3	8,120	47.2	8,130
	230	42.4	7,170	43.5	7,180	44.3	7,190
	240	39.5	6,320	40.5	6,330	41.3	6,340
	250	36.3	5,550	37.4	5,560	38.1	5,570
	260	32.9	4,860	33.9	4,870	34.6	4,880
40' JIB & 270' BOOM	58	80.9	29,770*				
	60	80.5	29,360*				
	70	78.6	27,620*	79.8	25,260*	81.0	21,060*
	80	76.7	26,010*	77.9	23,880*	79.1	19,920*
	90	74.8	24,400*	76.0	22,590*	77.2	18,840*
	100	72.9	22,980*	74.1	21,350*	75.2	17,800*
	110	71.0	21,570*	72.2	20,100*	73.2	16,820*
	120	69.0	20,280*	70.2	18,990*	71.3	15,810*
	130	67.0	19,090*	68.2	17,870*	69.2	14,870*
	140	65.0	17,940*	66.2	16,800*	67.2	13,910*
	150	62.9	16,940*	64.1	15,820*	65.1	13,040*
	160	60.8	15,900*	62.0	14,870*	63.0	12,210*
	170	58.7	14,180	59.8	13,960*	60.8	11,370*



ST PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT.

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.)
40' JIB & 270' BOOM	180	56.5	12,550	57.6	12,550	58.6	10,590*
	190	54.2	11,110	55.4	11,110	56.3	9,850*
	200	51.9	9,820	53.0	9,830	53.9	9,100*
	210	49.5	8,670	50.6	8,670	51.5	8,370*
	220	47.0	7,630	48.1	7,630	49.0	7,650
	230	44.4	6,700	45.5	6,700	46.3	6,710
	240	41.7	5,840	42.7	5,840	43.5	5,850
	250	38.8	5,070	39.8	5,080	40.6	5,090
	260	35.7	4,360	36.7	4,370	37.4	4,380
	270	32.4	3,720	33.3	3,720	33.9	3,740
40' JIB & 280' BOOM	59	81.0	26,420*				
	60	80.8	26,220*				
	70	79.0	24,470*	80.2	22,410*		
	80	77.1	22,840*	78.3	21,060*	79.4	17,480*
	90	75.3	21,340*	76.5	19,800*	77.6	16,410*
	100	73.4	19,990*	74.6	18,530*	75.7	15,380*
	110	71.6	18,660*	72.7	17,310*	73.8	14,360*
	120	69.7	17,380*	70.8	16,250*	71.9	13,360*
	130	67.8	16,280*	68.9	15,150*	69.9	12,460*
	140	65.8	15,190*	67.0	14,190*	68.0	11,570*
	150	63.8	14,170*	65.0	13,210*	66.0	10,690*
	160	61.8	13,160*	62.9	12,330*	63.9	9,890*
	170	59.8	12,240*	60.9	11,440*	61.8	9,090*
	180	57.7	11,400*	58.8	10,600*	59.7	8,360*
	190	55.5	10,530*	56.6	9,800*	57.5	7,640*
	200	53.3	9,340	54.4	9,040*	55.3	6,940*
	210	51.0	8,180	52.1	8,180	53.0	6,250*
	220	48.7	7,140	49.7	7,140	50.6	5,590*
	230	46.2	6,200	47.3	6,210	48.1	4,940*
	240	43.7	5,430	44.7	5,350	45.5	4,310*
	250	41.0	4,570	42.0	4,580	42.8	3,680*
	260	38.2	3,860	39.2	3,870	39.8	3,070*
	270	35.1	3,210	36.1	3,220	36.7	2,440*
	280	31.9	2,630	32.8	2,630	33.3	1,790*
40' JIB & 290' BOOM	61	80.9	23,080*				
	70	79.3	21,610*	80.5	19,850*		
	80	77.5	19,960*	78.7	18,480*	79.8	15,260*
	90	75.8	18,500*	76.9	17,190*	78.0	14,130*
	100	74.0	17,170*	75.1	15,980*	76.1	13,130*
	110	72.2	15,870*	73.3	14,840*	74.3	12,110*
	120	70.3	14,740*	71.4	13,700*	72.5	11,130*
	130	68.5	13,630*	69.6	12,710*	70.6	10,210*
	140	66.6	12,590*	67.7	11,710*	68.7	9,340*
	150	64.7	11,620*	65.8	10,820*	66.8	8,530*
	160	62.7	10,680*	63.8	9,960*	64.8	7,730*
	170	60.8	9,810*	61.9	9,120*	62.8	6,980*
	180	58.8	9,000*	59.8	8,330*	60.8	6,270*
	190	56.7	8,200*	57.8	7,580*	58.7	5,590*
	200	54.6	7,460*	55.6	6,850*	56.5	4,920*
	210	52.4	6,730*	53.5	6,170	54.3	4,280*
	220	50.2	6,030*	51.2	5,500*	52.1	3,680*
	230	47.9	5,360*	48.9	4,830*	49.7	3,070*
	240	45.5	4,700*	46.5	4,210*	47.3	2,490*
	250	43.0	4,050*	44.0	3,580*	44.7	1,920*



AMERICAN HOIST & DERRICK CO
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#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
40' JIB & 290' BOOM	260 270	40.3 37.6	3,370 2,720	41.3 38.5	2,970* 2,360*	42.0 39.2	1,350* 790*
50' JIB & 130' BOOM	38	80.9	32,000*				
	40	80.3	31,920*				
	50	77.0	30,740*	79.7	28,310*		
	60	73.8	29,750*	76.4	27,490*	78.9	25,740*
	70	70.4	28,690*	73.0	26,700*	75.4	24,080*
	80	67.0	27,790*	69.6	26,030*	71.9	22,280*
	90	63.5	26,950*	66.0	25,470*	68.4	20,780*
	100	59.8	26,220*	62.4	23,800*	64.6	19,410*
	110	56.1	25,610*	58.6	22,190*	60.7	18,350*
	120	52.1	23,690*	54.5	20,780*	56.7	17,410*
	130	47.9	21,970*	50.3	19,600*	52.3	16,580*
50' JIB & 140' BOOM	40	80.8	32,000*				
	50	77.7	30,840*	80.2	28,340*		
	60	74.6	29,870*	77.1	27,620*	79.5	25,740*
	70	71.5	28,890*	74.0	26,910*	76.3	24,570*
	80	68.3	28,040*	70.7	26,230*	73.0	22,780*
	90	65.0	27,270*	67.4	25,670*	69.6	21,190*
	100	61.6	26,550*	64.0	24,550*	66.2	19,880*
	110	58.1	25,890*	60.5	22,890*	62.6	18,830*
	120	54.4	24,800*	56.8	21,480*	58.8	17,870*
	130	50.6	23,070*	52.9	20,290*	54.9	16,990*
	140	46.5	21,520*	48.8	19,250*	50.6	16,310*
50' JIB & 150' BOOM	41	81.0	31,930*				
	50	78.4	30,950*	80.7	28,370*		
	60	75.4	29,990*	77.8	27,680*	80.0	25,690*
	70	72.4	29,090*	74.8	27,000*	77.0	24,960*
	80	69.4	28,270*	71.7	26,350*	73.9	23,150*
	90	66.3	27,460*	68.6	25,750*	70.7	21,650*
	100	63.1	26,760*	65.4	25,260*	67.5	20,330*
	110	59.9	26,110*	62.1	23,640*	64.1	19,250*
	120	56.5	25,520*	58.7	22,200*	60.7	18,280*
	130	52.9	24,090*	55.1	20,900*	57.0	17,390*
	140	49.2	22,420*	51.4	19,880	53.2	16,690*
	150	45.3	21,030*	47.4	18,880	49.1	16,070*
50' JIB & 160' BOOM	43	80.8	31,720*				
	50	78.9	31,090*				
	60	76.1	30,130*	78.4	27,670*	80.5	25,640*
	70	73.3	29,240*	75.5	27,060*	77.6	22,250*
	80	70.4	28,470*	72.7	26,440*	74.7	23,570*
	90	67.5	27,710*	69.7	25,900*	71.7	22,100*
	100	64.5	27,040*	66.7	25,360*	68.7	20,750*
	110	61.4	26,350*	63.6	24,340*	65.5	19,620*
	120	58.3	25,710*	60.4	22,820*	62.3	18,640*
	130	55.0	25,100*	57.1	21,590*	58.9	17,820*
	140	51.5	23,380*	53.6	20,460*	55.4	17,070*
	150	47.9	21,910*	50.0	19,450*	51.7	16,420*
	160	44.1	20,690*	46.1	18,620*	47.7	15,820*



AMERICAN HOIST & DERRICK CO
ST PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT.

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.)
50' JIB & 170' BOOM	45	80.7	31,530*				
	50	79.4	31,090*				
	60	76.8	30,160*	78.9	27,710*	81.0	25,660*
	70	74.1	29,390*	76.2	27,060*	78.2	25,250*
	80	71.4	28,540*	73.5	26,540*	75.5	24,000*
	90	68.6	27,830*	70.7	26,030*	72.6	22,470*
	100	65.8	27,190*	67.8	25,440*	69.7	21,150*
	110	62.9	26,550*	64.9	24,950*	66.8	20,020*
	120	59.9	25,940*	61.9	23,510*	63.7	19,020*
	130	56.8	25,490*	58.8	22,130*	60.6	18,160*
	140	53.6	24,290*	55.6	21,000*	57.3	17,380*
	150	50.3	22,800*	52.2	20,000*	53.9	16,740*
	160	46.8	20,810	48.7	19,110*	50.3	16,140*
	170	43.0	18,980	44.9	18,390*	46.4	15,650*
50' JIB & 180' BOOM	46	80.9	31,460*				
	50	79.9	31,080*				
	60	77.4	30,310*	79.4	27,630*		
	70	74.8	29,520*	76.8	27,120*	78.8	25,240*
	80	72.2	28,710*	74.2	26,510*	76.1	24,330*
	90	69.6	28,040*	71.6	26,030*	73.4	22,810*
	100	66.9	27,400*	68.9	25,590*	70.7	21,510*
	110	64.1	26,700*	66.1	25,120*	67.9	20,440*
	120	61.3	26,180*	63.3	24,130*	65.0	19,420*
	130	58.4	25,630*	60.4	22,770*	62.1	18,530*
	140	55.4	24,880	57.4	21,620*	59.0	17,790*
	150	52.3	22,450	54.2	20,580*	55.8	17,040*
	160	49.1	20,340	51.0	19,690*	52.5	16,450*
	170	45.7	18,510	47.5	18,520	49.0	15,980*
	180	42.0	16,900	43.8	16,910	45.2	15,490*
50' JIB & 190' BOOM	48	80.8	31,150*				
	50	80.3	31,020*				
	60	77.9	30,210*	79.9	27,560*		
	70	75.4	29,530*	77.4	27,020*	79.3	25,160*
	80	73.0	28,750*	74.9	26,590*	76.7	24,650*
	90	70.4	28,160*	72.4	26,130*	74.2	23,150*
	100	67.9	27,480*	69.8	25,570*	71.6	21,880*
	110	65.3	26,910*	67.2	25,200*	68.9	20,770*
	120	62.6	26,280*	64.5	24,700*	66.2	19,800*
	130	59.9	25,830*	61.8	23,370*	63.4	18,850*
	140	57.1	24,420	58.9	22,180*	60.5	18,090*
	150	54.2	21,990	56.0	21,120*	57.6	17,380*
	160	51.1	19,880	52.9	19,880	54.5	16,780*
	170	48.0	18,050	49.7	18,060	51.2	16,270*
	180	44.6	16,440	46.4	16,440	47.8	15,780*
	190	41.1	15,010	42.8	15,020	44.1	15,030*
50' JIB & 200' BOOM	49	80.9	30,930*				
	50	80.7	30,910*				
	60	78.4	30,270*	80.3	27,500*		
	70	76.0	29,550*	77.9	26,980*	79.7	24,990*
	80	73.7	28,790*	75.5	26,560*	77.3	24,670*
	90	71.3	28,200*	73.1	26,130*	74.9	23,500*
	100	68.8	27,550*	70.7	25,660*	72.4	22,200*
	110	66.3	26,930*	68.2	25,250*	69.8	21,110*
	120	63.8	26,480*	65.6	24,810*	67.3	20,110*
	130	61.2	25,900*	63.0	23,850*	64.6	19,230*



AMERICAN HOIST & DERRICK CO.
ST PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
50' JIB & 200' BOOM	140	58.6	24,010	60.3	22,730*	61.9	18,430*
	150	55.8	21,560	57.6	21,570	59.1	17,690*
	160	53.0	19,460	54.7	19,470	56.2	17,060*
	170	50.0	17,620	51.7	17,630	53.2	16,510*
	180	46.9	16,010	48.6	16,010	50.0	16,020
	190	43.7	14,580	45.3	14,590	46.6	14,600
	200	40.2	13,320	41.8	13,320	43.0	13,340
50' JIB & 210' BOOM	51	80.8	30,720*				
	60	78.8	30,170*	80.7	27,340*		
	70	76.6	29,450*	78.4	26,900*	80.1	24,900*
	80	74.3	28,790*	76.1	26,450*	77.8	24,580*
	90	72.0	28,200*	73.8	26,100*	75.5	23,880*
	100	69.7	27,580*	71.5	25,630*	73.1	22,560*
	110	67.3	27,020*	69.1	25,270*	70.7	21,420*
	120	64.9	26,530*	66.6	24,860*	68.2	20,440*
	130	62.4	26,020*	64.2	24,390*	65.7	19,490*
	140	59.9	23,550	61.6	23,220*	63.1	18,710*
	150	57.3	21,100	59.0	21,100	60.5	18,000*
	160	54.6	18,990	56.3	19,000	57.8	17,400*
	170	51.9	17,150	53.5	17,160	54.9	16,820*
	180	49.0	15,530	50.6	15,540	52.0	15,550
	190	46.0	14,100	47.6	14,110	48.9	14,120
	200	42.8	12,830	44.4	12,840	45.6	12,850
	210	39.4	11,690	40.9	11,700	42.1	11,710
50' JIB & 220' BOOM	52	81.0	30,420*				
	60	79.2	29,990*				
	70	77.1	29,340*	78.8	26,750*	80.5	24,540*
	80	74.9	28,690*	76.6	26,410*	78.3	24,390*
	90	72.7	28,180*	74.4	25,980*	76.0	24,100*
	100	70.5	27,540*	72.2	25,580*	73.8	22,820*
	110	68.2	26,990*	69.9	25,160*	71.5	21,700*
	120	65.9	26,570*	67.6	24,800*	69.1	20,740*
	130	63.5	25,940	65.2	24,510*	66.7	19,820*
	140	61.1	23,080	62.8	23,090	64.3	19,000*
	150	58.7	20,640	60.3	20,650	61.8	18,330*
	160	56.1	18,530	57.8	18,530	59.2	17,700*
	170	53.5	16,690	55.1	16,690	56.5	16,700
	180	50.8	15,080	52.4	15,080	53.7	15,090
	190	48.0	13,640	49.6	13,640	50.9	13,660
	200	45.0	12,360	46.6	12,370	47.8	12,380
	210	41.9	11,210	43.4	11,220	44.6	11,240
	220	38.6	10,190	40.1	10,200	41.2	10,210
50' JIB & 230' BOOM	54	80.9	30,090*				
	60	79.6	29,690*				
	70	77.6	29,130*	79.3	26,570*	80.8	24,410*
	80	75.5	28,590*	77.1	26,200*	78.7	24,200*
	90	73.3	28,050*	75.0	25,880*	76.6	23,990*
	100	71.2	27,440*	72.8	25,430*	74.4	23,140*
	110	69.0	26,910*	70.7	25,100*	72.2	22,030*
	120	66.8	26,480*	68.4	24,720*	69.9	21,010*
	130	64.5	25,480	66.2	24,400*	67.6	20,170*
	140	62.2	22,620	63.9	22,630	65.3	19,280*
	150	59.9	20,170	61.5	20,180	62.9	18,560*
	160	57.5	18,050	59.1	18,060	60.5	17,910*
	170	55.0	16,210	56.6	16,220	57.9	16,230

AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
50' JIB & 230' BOOM	180	52.5	14,590	54.0	14,590	55.3	14,610
	190	49.8	13,160	51.4	13,160	52.6	13,180
	200	47.1	11,880	48.6	11,890	49.8	11,900
	210	44.2	10,730	45.7	10,740	46.8	10,750
	220	41.1	9,700	42.6	9,710	43.7	9,720
	230	37.9	8,780	39.3	8,790	40.3	8,800
50' JIB & 240' BOOM	55	81.0	29,730*				
	60	80.0	29,410*				
	70	78.0	28,900*	79.6	26,320*		
	80	76.0	28,360*	77.6	26,010*	79.1	23,830*
	90	73.9	27,800*	75.5	25,550*	77.0	23,590*
	100	71.9	27,210*	73.5	25,190*	74.9	23,430*
	110	69.8	26,740*	71.4	24,870*	72.8	22,270*
	120	67.6	26,260*	69.2	24,530*	70.7	21,340*
	130	65.5	25,020	67.1	24,190*	68.5	20,380*
	140	63.3	22,160	64.9	22,160	66.2	19,610*
	150	61.0	19,710	62.6	19,710	64.0	18,850*
	160	58.8	17,590	60.3	17,600	61.6	17,610
	170	56.4	15,740	57.9	15,750	59.2	15,760
	180	54.0	14,120	55.5	14,130	56.8	14,140
	190	51.5	12,690	53.0	12,700	54.2	12,710
	200	48.9	11,400	50.4	11,410	51.6	11,420
	210	46.2	10,260	47.6	10,260	48.8	10,280
	220	43.4	9,230	44.8	9,230	45.9	9,250
	230	40.4	8,290	41.8	8,300	42.8	8,310
	240	37.2	7,450	38.5	7,450	39.5	7,470
50' JIB & 250' BOOM	57	80.9	29,120*				
	60	80.3	29,020*				
	70	78.4	28,430*	80.0	25,960*		
	80	76.4	27,920*	78.0	25,610*	79.5	23,380*
	90	74.5	27,450*	76.0	25,240*	77.5	23,110*
	100	72.5	26,840*	74.0	24,900*	75.5	22,220*
	110	70.5	26,360*	72.0	24,510*	73.4	21,300*
	120	68.4	25,860*	70.0	24,160*	71.4	20,340*
	130	66.4	24,590	67.9	23,130*	69.3	19,420*
	140	64.2	21,720	65.8	21,720	67.1	18,530*
	150	62.1	19,280	63.6	19,280	64.9	17,660*
	160	59.9	17,160	61.4	17,160	62.7	16,790*
	170	57.7	15,310	59.2	15,320	60.4	15,330
	180	55.4	13,690	56.8	13,690	58.1	13,700
	190	53.0	12,240	54.5	12,250	55.7	12,260
	200	50.6	10,960	52.0	10,970	53.2	10,980
	210	48.0	9,810	49.4	9,810	50.6	9,820
	220	45.4	8,770	46.8	8,780	47.9	8,790
	230	42.6	7,840	44.0	7,850	45.0	7,860
	240	39.6	6,990	41.0	7,000	42.0	7,020
	250	36.5	6,220	37.8	6,230	38.7	6,250
50' JIB & 260' BOOM	59	80.8	28,520*				
	60	80.6	28,400*				
	70	78.8	27,900*	80.3	25,460*		
	80	76.9	27,360*	78.4	25,110*	79.8	21,300*
	90	75.0	26,860*	76.5	24,600*	77.9	20,350*
	100	73.1	25,530*	74.6	23,430*	76.0	19,450*
	110	71.1	24,190*	72.6	22,310*	74.0	18,540*
	120	69.2	22,900*	70.6	21,190*	72.0	17,630*
	130	67.2	21,600*	68.6	20,060*	70.0	16,770*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
50' JIB & 260' BOOM	140	65.1	20,480*	66.6	19,070*	67.9	15,870*
	150	63.1	18,800	64.5	18,040*	65.8	15,000*
	160	61.0	16,680	62.4	16,690	63.7	14,230*
	170	58.8	14,840	60.3	14,840	61.5	13,410*
	180	56.6	13,200	58.1	13,210	59.3	12,660*
	190	54.4	11,770	55.8	11,770	57.0	11,780
	200	52.1	10,470	53.5	10,480	54.6	10,490
	210	49.7	9,330	51.0	9,330	52.2	9,340
	220	47.2	8,290	48.5	8,300	49.6	8,310
	230	44.6	7,360	45.9	7,360	47.0	7,380
	240	41.9	6,500	43.2	6,500	44.2	6,520
	250	39.0	5,730	40.3	5,740	41.2	5,750
	260	35.9	5,020	37.1	5,030	38.0	5,050
50' JIB & 270' BOOM	60	80.9	27,670*				
	70	79.1	26,830*	80.6	24,120*		
	80	77.3	25,200*	78.8	22,900*	80.2	18,800*
	90	75.5	23,740*	76.9	21,670*	78.3	17,940*
	100	73.6	22,370*	75.1	20,500*	76.4	17,000*
	110	71.7	21,010*	73.2	19,450*	74.5	16,030*
	120	69.8	19,790*	71.3	18,320*	72.6	15,140*
	130	67.9	18,650*	69.4	17,270*	70.7	14,260*
	140	66.0	17,570*	67.4	16,290*	68.7	13,420*
	150	64.0	16,520*	65.4	15,390*	66.7	12,630*
	160	62.0	15,510*	63.4	14,490*	64.6	11,830*
	170	59.9	14,360	61.3	13,620*	62.5	11,080*
	180	57.8	12,740	59.2	12,740	60.4	10,330*
	190	55.7	11,290	57.0	11,300	58.2	9,620*
	200	53.5	10,010	54.8	10,010	56.0	8,920*
	210	51.2	8,860	52.5	8,860	53.6	8,250*
	220	48.8	7,810	50.2	7,820	51.2	7,590*
	230	46.4	6,870	47.7	6,880	48.7	6,890
	240	43.8	6,020	45.1	6,030	46.1	6,040
	250	41.2	5,240	42.4	5,250	43.4	5,270
	260	38.3	4,540	39.6	4,550	40.5	4,560
	270	35.3	3,890	36.5	3,900	37.3	3,920
50' JIB & 280' BOOM	62	80.9	25,080*				
	70	79.5	23,810*	80.9	21,440*		
	80	77.7	22,260*	79.1	20,200*	80.5	16,590*
	90	75.9	20,740*	77.3	19,020*	78.7	15,590*
	100	74.1	19,440*	75.5	17,910*	76.9	14,700*
	110	72.3	18,170*	73.7	16,800*	75.0	13,740*
	120	70.5	16,970*	71.9	15,730*	73.2	12,860*
	130	68.6	15,860*	70.0	14,750*	71.3	12,010*
	140	66.7	14,810*	68.1	13,790*	69.4	11,160*
	150	64.8	13,820*	66.2	12,850*	67.4	10,380*
	160	62.9	12,880*	64.3	12,010*	65.5	9,650*
	170	60.9	12,000*	62.3	11,200*	63.5	8,900*
	180	58.9	11,170*	60.3	10,390*	61.4	8,200*
	190	56.8	10,350*	58.2	9,650*	59.3	7,520*
	200	54.7	9,520	56.1	8,900*	57.2	6,860*
	210	52.6	8,370	53.9	8,190*	55.0	6,210*
	220	50.3	7,320	51.6	7,330	52.7	5,600*
	230	48.0	6,380	49.3	6,390	50.3	4,990*
	240	45.6	5,530	46.9	5,540	47.9	4,400*
	250	43.1	4,750	44.4	4,750	45.3	3,810*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
50' JIB & 280' BOOM	260	40.5	4,040	41.7	4,050	42.6	3,240*
	270	37.7	3,390	38.9	3,390	39.7	2,660*
	280	34.7	2,800	35.9	2,810	36.7	2,070*
50' JIB & 290' BOOM	63	81.0	22,180*				
	70	79.8	21,040*				
	80	78.1	19,480*	79.5	17,740*	80.8	14,470*
	90	76.3	18,100*	77.7	16,610*	79.0	13,530*
	100	74.6	16,720*	76.0	15,450*	77.3	12,570*
	110	72.8	15,540*	74.2	14,370*	75.5	11,660*
	120	71.1	14,350*	72.4	13,330*	73.7	10,760*
	130	69.3	13,310*	70.6	12,330*	71.9	9,930*
	140	67.5	12,300*	68.8	11,420*	70.0	9,120*
	150	65.6	11,370*	67.0	10,550*	68.2	8,340*
	160	63.8	10,480*	65.1	9,720*	66.3	7,590*
	170	61.9	9,640*	63.2	8,970*	64.3	6,880*
	180	59.9	8,840*	61.2	8,190*	62.4	6,220*
	190	57.9	8,090*	59.3	7,470*	60.4	5,550*
	200	55.9	7,350*	57.2	6,810*	58.3	4,920*
	210	53.9	6,680*	55.1	6,120*	56.2	4,320*
	220	51.7	6,010*	53.0	5,480*	54.1	3,730*
	230	49.5	5,360*	50.8	4,880*	51.8	3,160*
	240	47.3	4,720*	48.5	4,260*	49.5	2,610*
	250	44.9	4,110*	46.1	3,680*	47.1	2,070*
	260	42.4	3,510*	43.6	3,100*	44.6	1,540*
	270	39.9	2,900	41.0	2,530*	41.9	1,010*
60' JIB & 150' BOOM	44	80.8	29,000*				
	50	79.2	28,380*				
	60	76.4	27,480*	79.1	24,990*		
	70	73.5	26,540*	76.2	24,380*	78.8	21,890*
	80	70.7	25,710*	73.4	23,720*	75.9	20,300*
	90	67.7	24,920*	70.4	23,160*	72.9	18,920*
	100	64.7	24,250*	67.4	22,120*	69.8	17,770*
	110	61.7	23,560*	64.3	20,620*	66.7	16,750*
	120	58.5	22,790*	61.1	19,310*	63.4	15,930*
	130	55.2	21,080*	57.8	18,270*	60.0	15,150*
	140	51.8	19,640*	54.3	17,240*	56.5	14,460*
	150	48.2	18,400*	50.6	16,430*	52.7	13,900*
60' JIB & 160' BOOM	45	81.0	28,850*				
	50	79.6	28,430*				
	60	77.0	27,510*	79.6	24,990*		
	70	74.3	26,750*	76.9	24,470*	79.3	22,190*
	80	71.6	25,930*	74.1	23,870*	76.5	20,630*
	90	68.8	25,190*	71.4	23,330*	73.7	19,290*
	100	66.0	24,470*	68.5	22,680*	70.8	18,110*
	110	63.1	23,840*	65.6	21,210*	67.9	17,110*
	120	60.1	23,220*	62.6	19,870*	64.8	16,210*
	130	57.0	21,940*	59.5	18,780*	61.6	15,490*
	140	53.8	20,460*	56.3	17,750*	58.4	14,780*
	150	50.5	19,190*	52.9	16,840*	54.9	14,170*
	160	47.0	18,020*	49.3	16,100*	51.3	13,680*
60' JIB & 170' BOOM	47	80.9	28,670*				
	50	80.1	28,350*				
	60	77.6	27,550*	80.1	24,970*		
	70	75.0	26,830*	77.5	24,450*	79.8	22,520*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT.

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.)
60' JIB & 170' BOOM	80	72.4	26,040*	74.9	23,900*	77.2	20,960*
	90	69.8	25,340*	72.2	23,390*	74.5	19,580*
	100	67.1	24,680*	69.5	22,880*	71.7	18,400*
	110	64.3	23,960*	66.7	21,770*	68.9	17,390*
	120	61.5	23,420*	63.9	20,380*	66.1	16,540*
	130	58.6	22,840*	61.0	19,280*	63.1	15,800*
	140	55.6	21,210*	58.0	18,270*	60.0	15,050*
	150	52.5	19,920*	54.8	17,330*	56.8	14,480*
	160	49.3	18,730*	51.6	16,580*	53.5	13,930*
	170	45.9	17,690*	48.1	15,860*	49.9	13,490*
60' JIB & 180' BOOM	49	80.8	28,460*				
	50	80.5	28,410*				
	60	78.1	27,570*	80.5	24,950*		
	70	75.6	26,830*	78.0	24,470*	80.3	22,430*
	80	73.2	26,130*	75.5	23,890*	77.7	21,210*
	90	70.7	25,460*	73.0	23,440*	75.2	19,860*
	100	68.1	24,750*	70.4	22,970*	72.6	18,700*
	110	65.5	24,140*	67.8	22,200*	69.9	17,740*
	120	62.8	23,580*	65.1	20,920*	67.2	16,850*
	130	60.1	23,060*	62.4	19,720*	64.4	16,050*
	140	57.3	21,990*	59.5	18,730*	61.5	15,340*
	150	54.4	20,660*	56.6	17,750*	58.5	14,730*
	160	51.3	19,450*	53.5	17,000*	55.4	14,230*
	170	48.2	18,320*	50.3	16,260*	52.1	13,730*
	180	44.8	17,060	47.0	15,590*	48.7	13,350*
60' JIB & 190' BOOM	50	80.9	28,230*				
	60	78.6	27,610*	80.9	24,890*		
	70	76.2	26,900*	78.5	24,380*	80.7	22,370*
	80	73.9	26,220*	76.1	23,920*	78.2	21,480*
	90	71.5	25,470*	73.7	23,420*	75.8	20,140*
	100	69.0	24,850*	71.3	22,950*	73.3	19,000*
	110	66.5	24,320*	68.8	22,570*	70.8	18,010*
	120	64.0	23,710*	66.2	21,440*	68.2	17,140*
	130	61.4	23,160*	63.6	20,180*	65.5	16,310*
	140	58.7	22,740*	60.9	19,150*	62.8	15,640*
	150	56.0	21,370*	58.1	18,200*	60.0	15,020*
	160	53.2	20,050	55.3	17,360*	57.1	14,490*
	170	50.2	18,210	52.3	16,660*	54.1	13,970*
	180	47.1	16,600	49.2	15,970*	50.9	13,530*
	190	43.9	15,170	45.9	15,180	47.5	13,180*
60' JIB & 200' BOOM	52	80.8	28,050*				
	60	79.0	27,550*				
	70	76.8	26,820*	79.0	24,310*		
	80	74.5	26,210*	76.7	23,860*	78.7	21,740*
	90	72.2	25,590*	74.4	23,480*	76.4	20,420*
	100	69.9	24,970*	72.0	23,030*	74.0	19,310*
	110	67.5	24,390*	69.6	22,570*	71.6	18,260*
	120	65.1	23,840*	67.2	21,850*	69.1	17,410*
	130	62.6	23,360*	64.7	20,640*	66.6	16,600*
	140	60.1	22,810*	62.2	19,630*	64.0	15,880*
	150	57.5	21,730	59.6	18,670*	61.4	15,250*
	160	54.8	19,620	56.9	17,830*	58.6	14,720*
	170	52.0	17,780	54.1	17,020*	55.8	14,190*
	180	49.2	16,170	51.2	16,180	52.8	13,750*
	190	46.1	14,740	48.1	14,750	49.7	13,370*
	200	43.0	13,470	44.9	13,480	46.4	13,050*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
60' JIB & 210' BOOM	53	80.9	27,810*				
	60	79.4	27,380*				
	70	77.3	26,780*	79.4	24,240*		
	80	75.1	26,170*	77.2	23,760*	79.2	21,850*
	90	72.9	25,570*	75.0	23,410*	76.9	20,610*
	100	70.6	24,960*	72.7	23,000*	74.6	19,500*
	110	68.4	24,410*	70.4	22,540*	72.3	18,490*
	120	66.1	23,920*	68.1	22,240*	70.0	17,670*
	130	63.7	23,380*	65.7	21,110*	67.6	16,830*
	140	61.3	22,920*	63.3	20,030*	65.1	16,170*
	150	58.8	21,260	60.8	19,040*	62.6	15,550*
	160	56.3	19,160	58.3	18,220*	60.0	14,970*
	170	53.7	17,320	55.7	17,320	57.3	14,420*
	180	51.0	15,710	52.9	15,710	54.6	14,010*
	190	48.2	14,270	50.1	14,280	51.7	13,590*
	200	45.2	12,990	47.1	13,000	48.6	13,020
	210	42.1	11,860	43.9	11,860	45.4	11,880
60' JIB & 220' BOOM	55	80.8	27,520*				
	60	79.8	27,210*				
	70	77.7	26,700*	79.8	24,090*		
	80	75.6	26,070*	77.7	23,690*	79.6	21,650*
	90	73.5	25,450*	75.5	23,300*	77.4	20,870*
	100	71.4	24,930*	73.4	22,960*	75.2	19,780*
	110	69.2	24,430*	71.2	22,490*	73.0	18,760*
	120	67.0	23,880*	68.9	22,140*	70.8	17,880*
	130	64.7	23,420*	66.7	21,560*	68.5	17,130*
	140	62.4	22,930*	64.4	20,490*	66.1	16,390*
	150	60.1	20,810	62.0	19,450*	63.7	15,740*
	160	57.7	18,700	59.6	18,610*	61.3	15,190*
	170	55.2	16,860	57.1	16,870	58.7	14,670*
	180	52.6	15,240	54.5	15,240	56.1	14,220*
	190	50.0	13,810	51.9	13,820	53.4	13,800*
	200	47.2	12,530	49.1	12,540	50.6	12,550
	210	44.3	11,380	46.1	11,390	47.6	11,400
	220	41.3	10,350	43.1	10,360	44.4	10,380
60' JIB & 230' BOOM	56	81.0	27,180*				
	60	80.2	26,940*				
	70	78.2	26,430*	80.1	23,830*		
	80	76.1	25,910*	78.1	23,510*	79.9	21,410*
	90	74.1	25,430*	76.0	23,140*	77.9	21,140*
	100	72.0	24,880*	74.0	22,760*	75.8	19,970*
	110	69.9	24,360*	71.9	22,440*	73.6	18,980*
	120	67.8	23,820*	69.7	22,120*	71.5	18,130*
	130	65.6	23,420*	67.6	21,760*	69.3	17,320*
	140	63.5	22,790	65.3	20,820*	67.0	16,610*
	150	61.2	20,350	63.1	19,850*	64.8	15,970*
	160	58.9	18,230	60.8	18,240	62.4	15,400*
	170	56.6	16,380	58.4	16,390	60.0	14,910*
	180	54.1	14,760	56.0	14,770	57.5	14,440*
	190	51.7	13,330	53.5	13,340	55.0	13,350
	200	49.1	12,050	50.8	12,060	52.3	12,070
	210	46.4	10,900	48.1	10,900	49.5	10,920
	220	43.5	9,870	45.3	9,870	46.6	9,890
	230	40.5	8,940	42.2	8,950	43.5	8,960



AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107

FIGURE JIB RATINGS FOR TOWER CRANE
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
60' JIB & 240' BOOM	58	80.9	26,760*				
	60	80.5	26,690*				
	70	78.6	26,150*	80.5	23,620*		
	80	76.6	25,710*	78.5	23,240*	80.3	21,090*
	90	74.6	25,200*	76.5	22,940*	78.3	20,950*
	100	72.6	24,630*	74.5	22,580*	76.3	20,160*
	110	70.6	24,150*	72.5	22,290*	74.2	19,200*
	120	68.6	23,750*	70.4	21,950*	72.1	18,320*
	130	66.5	23,220*	68.4	21,580*	70.0	17,560*
	140	64.4	22,340	66.2	21,260*	67.9	16,880*
	150	62.3	19,890	64.1	19,890	65.7	16,190*
	160	60.1	17,770	61.9	17,770	63.5	15,620*
	170	57.8	15,920	59.6	15,930	61.2	15,090*
	180	55.5	14,300	57.3	14,300	58.8	14,320
	190	53.2	12,860	54.9	12,870	56.4	12,880
	200	50.7	11,570	52.4	11,580	53.9	11,590
	210	48.2	10,430	49.9	10,430	51.3	10,450
	220	45.5	9,390	47.2	9,400	48.6	9,410
	230	42.7	8,460	44.4	8,470	45.7	8,490
	240	39.8	7,610	41.4	7,620	42.7	7,640
60' JIB & 250' BOOM	59	81.0	26,320*				
	60	80.8	26,230*				
	70	78.9	25,770*	80.8	23,190*		
	80	77.0	25,310*	78.9	22,980*	80.6	20,690*
	90	75.1	24,880*	77.0	22,660*	78.7	20,530*
	100	73.2	24,350*	75.0	22,290*	76.7	20,280*
	110	71.3	23,900*	73.1	21,970*	74.8	19,420*
	120	69.3	23,380*	71.1	21,610*	72.8	18,540*
	130	67.3	22,940*	69.1	21,320*	70.7	17,790*
	140	65.3	21,900	67.1	20,980*	68.7	17,050*
	150	63.2	19,440	65.0	19,450	66.6	16,440*
	160	61.1	17,330	62.9	17,340	64.4	15,820*
	170	59.0	15,490	60.7	15,490	62.3	15,310*
	180	56.8	13,860	58.5	13,870	60.0	13,880
	190	54.5	12,420	56.3	12,420	57.7	12,440
	200	52.2	11,140	53.9	11,140	55.3	11,160
	210	49.8	9,990	51.5	9,990	52.9	10,010
	220	47.3	8,950	49.0	8,960	50.3	8,970
	230	44.7	8,010	46.4	8,010	47.6	8,030
	240	42.0	7,160	43.6	7,170	44.8	7,180
	250	39.1	6,390	40.7	6,400	41.8	6,420
60' JIB & 260' BOOM	61	80.9	25,700*				
	70	79.3	25,290*				
	80	77.5	24,800*	79.2	22,440*	80.9	19,900*
	90	75.6	24,350*	77.4	22,190*	79.0	19,200*
	100	73.8	23,800*	75.5	21,860*	77.2	18,390*
	110	71.9	23,330*	73.6	21,370*	75.3	17,590*
	120	70.0	22,190*	71.7	20,320*	73.3	16,760*
	130	68.1	21,050*	69.8	19,350*	71.4	15,990*
	140	66.1	19,890*	67.8	18,420*	69.4	15,180*
	150	64.1	18,860*	65.9	17,430*	67.4	14,440*
	160	62.1	16,860	63.8	16,570*	65.3	13,650*
	170	60.1	15,010	61.8	15,020	63.2	12,940*
	180	58.0	13,390	59.6	13,390	61.1	12,250*
	190	55.8	11,940	57.5	11,950	58.9	11,540*
	200	53.6	10,660	55.3	10,660	56.7	10,680



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
60' JIB & 260' BOOM	210	51.3	9,510	53.0	9,510	54.3	9,530
	220	49.0	8,470	50.6	8,480	51.9	8,490
	230	46.5	7,520	48.1	7,530	49.4	7,550
	240	44.0	6,670	45.5	6,680	46.8	6,700
	250	41.3	5,900	42.8	5,910	44.0	5,930
	260	38.5	5,190	40.0	5,200	41.1	5,220
60' JIB & 270' BOOM	63	80.8	24,930*				
	70	79.6	24,610*				
	80	77.8	24,150*	79.6	21,810*		
	90	76.1	23,030*	77.8	20,820*	79.4	16,860*
	100	74.3	21,660*	76.0	19,680*	77.6	16,070*
	110	72.4	20,460*	74.2	18,670*	75.7	15,250*
	120	70.6	19,220*	72.3	17,670*	73.9	14,450*
	130	68.8	18,130*	70.5	16,680*	72.0	13,700*
	140	66.9	17,030*	68.6	15,740*	70.1	12,930*
	150	65.0	16,090*	66.6	14,900*	68.1	12,180*
	160	63.0	15,120*	64.7	14,040*	66.2	11,410*
	170	61.1	14,190*	62.7	13,210*	64.2	10,720*
	180	59.1	12,910	60.7	12,430*	62.1	10,020*
	190	57.0	11,480	58.6	11,480	60.0	9,350*
	200	54.9	10,180	56.5	10,190	57.9	8,720*
	210	52.7	9,030	54.3	9,040	55.6	8,110*
	220	50.5	7,990	52.1	8,000	53.4	7,470*
	230	48.2	7,050	49.7	7,060	51.0	6,880*
	240	45.8	6,200	47.3	6,210	48.5	6,220
	250	43.3	5,420	44.8	5,430	45.9	5,440
	260	40.6	4,710	42.1	4,720	43.2	4,740
	270	37.8	4,060	39.3	4,070	40.3	4,080
60' JIB & 280' BOOM	64	80.9	24,020*				
	70	79.9	23,150*				
	80	78.2	21,590*	79.9	19,350*		
	90	76.5	20,200*	78.2	18,270*	79.7	14,830*
	100	74.7	18,900*	76.4	17,210*	78.0	13,970*
	110	73.0	17,690*	74.6	16,170*	76.2	13,140*
	120	71.2	16,510*	72.9	15,220*	74.4	12,360*
	130	69.4	15,430*	71.1	14,230*	72.6	11,560*
	140	67.6	14,420*	69.2	13,350*	70.7	10,810*
	150	65.8	13,470*	67.4	12,490*	68.8	10,050*
	160	63.9	12,570*	65.5	11,690*	66.9	9,350*
	170	62.0	11,750*	63.6	10,920*	65.0	8,640*
	180	60.1	10,910*	61.7	10,170*	63.0	7,990*
	190	58.1	10,160*	59.7	9,420*	61.0	7,340*
	200	56.1	9,400	57.6	8,740*	59.0	6,740*
	210	54.0	8,540	55.6	8,070*	56.9	6,140*
	220	51.9	7,500	53.4	7,440*	54.7	5,560*
	230	49.7	6,560	51.2	6,570	52.4	4,980*
	240	47.4	5,710	48.9	5,710	50.1	4,440*
	250	45.1	4,920	46.5	4,930	47.7	3,900*
	260	42.6	4,210	44.0	4,220	45.2	3,340*
	270	40.0	3,560	41.4	3,570	42.5	2,820*
	280	37.3	2,960	38.7	2,970	39.6	2,270*
60' JIB & 290' BOOM	66	80.9	21,020*				
	70	80.2	20,430*				
	80	78.5	18,910*	80.2	17,050*		
	90	76.9	17,610*	78.5	15,970*	80.0	12,850*
	100	75.2	16,270*	76.8	14,870*	78.3	12,030*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
60' JIB & 290' BOOM	110	73.5	15,140*	75 1	13,900*	76 6	11,170*
	120	71.8	14,000*	73 4	12,910*	74.8	10,360*
	130	70.0	12,990*	71.6	12,010*	73 1	9,590*
	140	68.3	12,010*	69 9	11,130*	71.3	8,820*
	150	66.5	11,100*	68.1	10,310*	69.5	8,110*
	160	64.7	10,240*	66.3	9,520*	67.7	7,410*
	170	62.9	9,460*	64.4	8,740*	65.8	6,750*
	180	61.0	8,690*	62.6	8,030*	63.9	6,100*
	190	59.1	7,940*	60 6	7,360*	62.0	5,480*
	200	57.2	7,230*	58.7	6,710*	60.0	4,900*
	210	55.2	6,570*	56.7	6,080*	58.0	4,310*
	220	53.2	5,930*	54.7	5,470*	55.9	3,760*
	230	51.1	5,320*	52.5	4,880*	53.8	3,220*
	240	48.9	4,720*	50 4	4,310*	51.6	2,710*
	250	46.7	4,130*	48.1	3,730*	49.3	2,190*
	260	44.4	3,580*	45.8	3,190*	46.9	1,690*
	270	41.9	3,010*	43.3	2,660*	44.4	1,200*
	280	39 4	2,470	40.8	2,120*	41.8	710*
70' JIB & 180' BOOM	51	80.9	21,420*				
	60	78.8	20,720*				
	70	76.4	20,030*	79 1	18,080*		
	80	74.1	19,460*	76.7	17,560*	79.2	16,170*
	90	71.7	18,790*	74.3	17,140*	76.8	15,810*
	100	69.2	18,250*	71.8	16,750*	74.3	15,480*
	110	66 7	17,720*	69.3	16,370*	71.7	15,070*
	120	64.2	17,250*	66.8	15,940*	69 1	14,730*
	130	61.6	16,820*	64.2	15,520*	66.5	14,030*
	140	58.9	16,400*	61.5	15,090*	63.8	13,380*
	150	56.2	15,930*	58.7	14,710*	60.9	12,810*
	160	53 4	15,430*	55.9	14,380*	58.0	12,330*
70' JIB & 190' BOOM	52	81.0	21,310*				
	60	79.2	20,800*				
	70	77.0	20,100*	79.5	18,030*		
	80	74.7	19,550*	77.2	17,600*	79.7	16,090*
	90	72.4	18,930*	74.9	17,200*	77.3	15,820*
	100	70.0	18,410*	72 6	16,780*	74 9	15,520*
	110	67.7	17,840*	70.2	16,440*	72.5	15,150*
	120	65.3	17,410*	67.8	16,100*	70.0	14,780*
	130	62.8	16,940*	65 3	15,650*	67.5	14,230*
	140	60.3	16,510*	62.7	15,260*	64.9	13,620*
	150	57.7	16,130*	60 1	14,860*	62.3	13,020*
	160	55.0	15,680*	57 4	14,520*	59.5	12,560*
70' JIB & 200' BOOM	54	80.9	21,210*				
	60	79.6	20,840*				
	70	77.4	20,180*	79.9	18,050*		
	80	75.3	19,550*	77.7	17,650*	80.1	16,100*
	90	73.1	19,000*	75.5	17,260*	77.8	15,810*
	100	70.8	18,460*	73.3	16,820*	75.5	15,550*
	110	68.5	17,950*	71.0	16,500*	73.2	15,240*
	120	66.2	17,480*	68.6	16,120*	70.8	14,890*



ST PAUL, MINNESOTA 55107

TRUCK CRANE WITH LATERAL
BOOM & 90,000# CTWT

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.)
70' JIB & 200' BOOM	130	63.9	17,060*	66.3	15,780*	68.4	14,430*
	140	61.5	16,660*	63.9	15,380*	66.0	13,790*
	150	59.0	16,310*	61.4	15,010*	63.5	13,260*
	160	56.5	15,910*	58.8	14,680*	60.9	12,770*
	170	53.9	15,490*	56.2	14,350*	58.2	12,300*
	180	51.2	15,090*	53.4	14,100*	55.4	11,910*
	190	48.4	14,680*	50.6	13,850*	52.5	11,520*
	200	45.4	13,590	47.6	13,420*	49.4	11,230*
70' JIB & 210' BOOM	56	80.8	21,030*				
	60	80.0	20,830*				
	70	77.9	20,150*	80.3	18,010*		
	80	75.8	19,630*	78.2	17,600*	80.4	16,040*
	90	73.7	19,110*	76.0	17,230*	78.3	15,760*
	100	71.5	18,600*	73.9	16,850*	76.1	15,530*
	110	69.4	18,040*	71.7	16,540*	73.9	15,250*
	120	67.1	17,610*	69.5	16,190*	71.6	14,980*
	130	64.9	17,220*	67.2	15,870*	69.3	14,670*
	140	62.6	16,750*	64.9	15,520*	67.0	14,030*
	150	60.3	16,380*	62.5	15,170*	64.6	13,440*
	160	57.8	16,070*	60.1	14,810*	62.1	12,930*
	170	55.4	15,650*	57.6	14,490*	59.5	12,490*
	180	52.8	15,240*	55.0	14,240*	56.9	12,080*
70' JIB & 220' BOOM	190	50.2	14,400	52.4	13,990*	54.2	11,730*
	200	47.4	13,120	49.6	13,130	51.4	11,390*
	210	44.5	11,980	46.6	11,990	48.4	11,100*
	57	80.9	20,900*				
	60	80.3	20,790*				
	70	78.3	20,180*	80.6	17,960*		
	80	76.3	19,620*	78.6	17,610*	80.8	15,980*
	90	74.3	19,140*	76.5	17,220*	78.7	15,700*
	100	72.2	18,650*	74.5	16,860*	76.6	15,440*
	110	70.1	18,120*	72.4	16,570*	74.5	15,250*
	120	68.0	17,720*	70.2	16,250*	72.3	15,000*
	130	65.8	17,250*	68.1	15,900*	70.1	14,710*
	140	63.6	16,900*	65.8	15,640*	67.8	14,230*
	150	61.4	16,500*	63.6	15,300*	65.6	13,630*
70' JIB & 230' BOOM	160	59.1	16,150*	61.3	14,910*	63.2	13,130*
	170	56.7	15,860*	58.9	14,630*	60.8	12,670*
	180	54.3	15,380	56.5	14,370*	58.3	12,280*
	190	51.8	13,940	53.9	13,950	55.7	11,890*
	200	49.2	12,660	51.3	12,670	53.1	11,560*
	210	46.5	11,520	48.6	11,530	50.3	11,230*
	220	43.7	10,490	45.7	10,490	47.4	10,510
	59	80.9	20,730*				
	60	80.7	20,690*				
	70	78.7	20,150*	81.0	17,940*		
70' JIB & 230' BOOM	80	76.8	19,620*	79.0	17,570*		
	90	74.8	19,120*	77.0	17,220*	79.1	15,630*
	100	72.8	18,690*	75.0	16,860*	77.1	15,420*
	110	70.8	18,190*	73.0	16,530*	75.0	15,210*
	120	68.7	17,740*	70.9	16,220*	72.9	15,000*
	130	66.7	17,350*	68.8	15,900*	70.8	14,800*
	140	64.6	16,950*	66.7	15,670*	68.7	14,430*
	150	62.4	16,590*	64.6	15,350*	66.5	13,840*
	160	60.2	16,280*	62.4	15,030*	64.2	13,300*
	170	58.0	15,960*	60.1	14,740*	61.9	12,860*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
70' JIB & 230' BOOM	180	55.7	14,910	57.8	14,460*	59.6	12,440*
	190	53.3	13,460	55.4	13,470	57.2	12,040*
	200	50.9	12,180	52.9	12,190	54.6	11,730*
	210	48.3	11,040	50.3	11,040	52.0	11,060
	220	45.7	10,000	47.7	10,010	49.3	10,030
	230	42.9	9,070	44.9	9,080	46.4	9,100
70' JIB & 240' BOOM	60	81.0	20,580*				
	70	79.1	20,120*				
	80	77.2	19,640*	79.4	17,520*		
	90	75.3	19,140*	77.4	17,210*	79.5	15,570*
	100	73.4	18,630*	75.5	16,830*	77.5	15,300*
	110	71.4	18,240*	73.6	16,550*	75.5	15,130*
	120	69.5	17,750*	71.6	16,190*	73.5	14,880*
	130	67.5	17,360*	69.6	15,900*	71.5	14,690*
	140	65.5	16,990*	67.5	15,660*	69.4	14,540*
	150	63.4	16,630*	65.5	15,380*	67.3	14,030*
	160	61.3	16,320*	63.3	15,090*	65.2	13,510*
	170	59.1	15,980*	61.2	14,850*	63.0	13,030*
	180	57.0	14,440	59.0	14,450	60.7	12,570*
	190	54.7	13,000	56.7	13,000	58.4	12,230*
	200	52.4	11,720	54.4	11,720	56.1	11,740
	210	50.0	10,570	51.9	10,570	53.6	10,590
70' JIB & 250' BOOM	220	47.5	9,530	49.4	9,540	51.0	9,560
	230	44.9	8,600	46.8	8,610	48.3	8,620
	240	42.2	7,750	44.0	7,760	45.5	7,780
	62	80.9	20,370*				
	70	79.4	20,000*				
	80	77.6	19,490*	79.7	17,410*		
	90	75.8	19,050*	77.8	17,070*	79.8	15,390*
	100	73.9	18,650*	76.0	16,780*	77.9	15,230*
	110	72.0	18,150*	74.1	16,500*	76.0	14,980*
	120	70.1	17,770*	72.2	16,140*	74.1	14,830*
	130	68.2	17,360*	70.3	15,900*	72.1	14,630*
	140	66.3	17,020*	68.3	15,580*	70.1	14,400*
	150	64.3	16,620*	66.3	15,340*	68.1	14,200*
	160	62.3	16,290*	64.3	15,080*	66.1	13,650*
	170	60.2	15,620	62.2	14,870*	64.0	13,180*
	180	58.1	14,010	60.1	14,010	61.8	12,770*
70' JIB & 260' BOOM	190	56.0	12,560	57.9	12,570	59.6	12,380*
	200	53.8	11,280	55.7	11,290	57.3	11,300
	210	51.5	10,130	53.4	10,140	55.0	10,150
	220	49.1	9,090	51.0	9,100	52.6	9,110
	230	46.7	8,150	48.6	8,160	50.1	8,180
	240	44.1	7,300	46.0	7,310	47.4	7,330
	250	41.5	6,520	43.3	6,530	44.7	6,550
	63	81.0	20,200*				
	70	79.8	19,900*				
	80	78.0	19,420*	80.0	17,290*		
70' JIB & 260' BOOM	90	76.2	18,980*	78.2	16,920*	80.1	15,200*
	100	74.4	18,530*	76.4	16,680*	78.3	15,020*
	110	72.6	18,090*	74.6	16,390*	76.4	14,830*
	120	70.8	17,670*	72.8	16,030*	74.6	14,650*
	130	68.9	17,270*	70.9	15,770*	72.7	14,460*
	140	67.0	16,910*	69.0	15,490*	70.8	14,250*
	150	65.1	16,570*	67.1	15,270*	68.8	13,740*



AMERICAN HOIST & DERRICK CO
ST PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
70' JIB & 260' BOOM	160	63.2	16,220*	65.1	14,970*	66.9	13,070*
	170	61.2	15,160	63.1	14,730*	64.9	12,420*
	180	59.2	13,530	61.1	13,540	62.8	11,740*
	190	57.1	12,090	59.0	12,090	60.7	11,080*
	200	55.0	10,800	56.9	10,810	58.5	10,490*
	210	52.9	9,650	54.7	9,660	56.3	9,670
	220	50.6	8,610	52.5	8,620	54.0	8,630
	230	48.3	7,670	50.1	7,680	51.6	7,700
	240	45.9	6,820	47.7	6,830	49.2	6,850
	250	43.4	6,040	45.2	6,050	46.6	6,070
	260	40.8	5,330	42.5	5,340	43.9	5,360
70' JIB & 270' BOOM	65	80.9	19,820*				
	70	80.1	19,600*				
	80	78.3	19,190*	80.3	17,020*		
	90	76.6	18,730*	78.6	16,780*	80.4	14,950*
	100	74.9	18,320*	76.8	16,470*	78.7	14,750*
	110	73.1	17,890*	75.1	16,130*	76.9	14,470*
	120	71.4	17,440*	73.3	15,900*	75.1	13,740*
	130	69.6	17,100*	71.5	15,550*	73.2	13,010*
	140	67.7	16,510*	69.7	15,190*	71.4	12,300*
	150	65.9	15,580*	67.8	14,350*	69.5	11,600*
	160	64.0	14,660*	65.9	13,530*	67.6	10,950*
	170	62.1	13,830*	64.0	12,790*	65.7	10,290*
	180	60.2	12,970*	62.1	12,040*	63.7	9,670*
	190	58.2	11,620	60.1	11,320*	61.7	9,060*
	200	56.2	10,340	58.0	10,340	59.6	8,460*
	210	54.1	9,170	56.0	9,180	57.5	7,850*
	220	52.0	8,130	53.8	8,140	55.3	7,290*
	230	49.8	7,190	51.6	7,200	53.1	6,740*
	240	47.6	6,340	49.3	6,350	50.8	6,180*
	250	45.2	5,560	46.9	5,570	48.3	5,590
	260	42.7	4,850	44.4	4,860	45.8	4,880
	270	40.1	4,200	41.8	4,210	43.1	4,230
70' JIB & 280' BOOM	67	80.8	19,400*				
	70	80.3	19,230*				
	80	78.7	18,800*	80.6	16,760*		
	90	77.0	18,400*	78.9	16,430*	80.7	13,870*
	100	75.3	17,910*	77.2	16,160*	79.0	13,210*
	110	73.6	17,140*	75.5	15,540*	77.3	12,440*
	120	71.9	16,000*	73.8	14,580*	75.5	11,760*
	130	70.2	14,980*	72.0	13,700*	73.8	11,040*
	140	68.4	14,020*	70.3	12,870*	72.0	10,340*
	150	66.6	13,100*	68.5	12,090*	70.2	9,630*
	160	64.8	12,240*	66.7	11,290*	68.3	8,960*
	170	63.0	11,440*	64.8	10,570*	66.5	8,330*
	180	61.1	10,630*	63.0	9,830*	64.6	7,730*
	190	59.2	9,890*	61.0	9,170*	62.6	7,120*
	200	57.3	9,190*	59.1	8,530*	60.7	6,540*
	210	55.3	8,510*	57.1	7,890*	58.6	5,980*
	220	53.3	7,660	55.1	7,260*	56.5	5,450*
	230	51.2	6,710	52.9	6,670*	54.4	4,920*
	240	49.0	5,860	50.8	5,870	52.2	4,390*
	250	46.8	5,070	48.5	5,080	49.9	3,890*
	260	44.5	4,360	46.2	4,370	47.5	3,380*
	270	42.1	3,700	43.7	3,710	45.0	2,890*
	280	39.5	3,100	41.2	3,110	42.4	2,400*

AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
70' JIB & 290' BOOM	68	80.9	18,850*				
	70	80.6	18,770*				
	80	79.0	18,340*	80.9	16,290*		
	90	77.4	17,040*	79.2	15,260*	81.0	12,110*
	100	75.7	15,820*	77.6	14,280*	79.3	11,360*
	110	74.1	14,670*	75.9	13,370*	77.6	10,620
	120	72.4	13,640*	74.3	12,420*	75.9	9,910*
	130	70.7	12,600*	72.6	11,570*	74.2	9,180*
	140	69.0	11,660*	70.9	10,730*	72.5	8,470*
	150	67.3	10,830*	69.1	9,950*	70.8	7,820*
	160	65.6	9,960*	67.4	9,230*	69.0	7,150*
	170	63.8	9,190*	65.6	8,510*	67.2	6,520*
	180	62.0	8,480*	63.8	7,810*	65.4	5,920*
	190	60.2	7,750*	62.0	7,180*	63.5	5,360*
	200	58.3	7,080*	60.1	6,540*	61.6	4,790*
	210	56.4	6,440*	58.2	5,950*	59.7	4,250*
	220	54.5	5,830*	56.2	5,360*	57.7	3,720*
	230	52.5	5,240*	54.2	4,810*	55.6	3,220*
	240	50.4	4,670*	52.1	4,260*	53.5	2,720*
	250	48.3	4,110*	50.0	3,740*	51.3	2,250*
	260	46.1	3,570*	47.8	3,220*	49.1	1,770*
	270	43.8	3,050*	45.5	2,720*	46.7	1,310*
	280	41.4	2,530*	43.0	2,220*	44.3	850*
80' JIB & 200' BOOM	56	81.0	16,740*				
	60	80.2	16,490*				
	70	78.1	15,870*	80.8	13,920*		
	80	76.0	15,320*	78.7	13,550*		
	90	73.9	14,820*	76.6	13,180*	79.1	11,700*
	100	71.7	14,290*	74.4	12,750*	76.9	11,380*
	110	69.5	13,840*	72.2	12,310*	74.7	11,030*
	120	67.3	13,420*	70.0	11,910*	72.4	10,760*
	130	65.1	12,930*	67.7	11,510*	70.1	10,470*
	140	62.8	12,480*	65.4	11,190*	67.8	10,220*
	150	60.4	12,020*	63.0	10,850*	65.4	10,010*
	160	58.0	11,640*	60.6	10,570*	62.9	9,820*
	170	55.5	11,270*	58.1	10,340*	60.4	9,670*
	180	53.0	10,920*	55.5	10,120*	57.7	9,520*
	190	50.3	10,610*	52.9	9,890*	55.0	9,400*
	200	47.6	10,380*	50.1	9,700*	52.2	9,280*
80' JIB & 210' BOOM	58	80.9	16,610*				
	60	80.5	16,500*				
	70	78.5	15,950*				
	80	76.5	15,390*	79.1	13,550*		
	90	74.4	14,910*	77.0	13,170*	79.5	11,750*
	100	72.4	14,390*	75.0	12,820*	77.4	11,400*
	110	70.3	13,970*	72.9	12,400*	75.3	11,080*
	120	68.1	13,540*	70.7	11,970*	73.1	10,790*
	130	66.0	13,150*	68.6	11,610*	70.9	10,530*
	140	63.8	12,650*	66.3	11,260*	68.7	10,290*
	150	61.6	12,200*	64.1	10,990*	66.4	10,070*
	160	59.3	11,780*	61.8	10,690*	64.0	9,900*
	170	56.9	11,440*	59.4	10,450*	61.6	9,690*
	180	54.5	11,110*	57.0	10,210*	59.1	9,570*
	190	52.0	10,780*	54.4	9,970*	56.5	9,420*
	200	49.4	10,490*	51.8	9,790*	53.9	9,310*
	210	46.7	10,280*	49.1	9,640	51.1	9,240*

AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107#108 JIB RATINGS FOR MODEL 5001
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
80' JIB & 220' BOOM	60	80.8	16,470*				
	70	78.9	15,950*				
	80	76.9	15,390*	79.5	13,540*		
	90	75.0	14,920*	77.5	13,220*	79.9	11,780*
	100	73.0	14,490*	75.5	12,890*	77.9	11,450*
	110	71.0	13,990*	73.5	12,490*	75.8	11,140*
	120	68.9	13,590*	71.4	12,080*	73.7	10,860*
	130	66.8	13,210*	69.3	11,700*	71.6	10,570*
	140	64.7	12,800*	67.2	11,370*	69.4	10,320*
	150	62.6	12,380*	65.0	11,080*	67.3	10,120*
	160	60.4	11,940*	62.8	10,750*	65.0	9,930*
	170	58.2	11,580*	60.6	10,540*	62.7	9,750*
	180	55.9	11,240*	58.2	10,290*	60.3	9,610*
	190	53.5	10,930*	55.9	10,060*	57.9	9,460*
	200	51.0	10,630*	53.4	9,890*	55.4	9,330*
80' JIB & 230' BOOM	210	48.5	10,400*	50.8	9,710*	52.8	9,270*
	220	45.8	10,160*	48.1	9,580*	50.0	9,190*
	61	80.9	16,440*				
	70	79.2	15,960*				
	80	77.4	15,460*	79.8	13,540*		
	90	75.5	14,990*	77.9	13,210*	80.2	11,810*
	100	73.5	14,510*	76.0	12,890*	78.3	11,480*
	110	71.6	14,060*	74.0	12,560*	76.3	11,130*
	120	69.6	13,680*	72.0	12,180*	74.3	10,870*
	130	67.6	13,320*	70.0	11,780*	72.3	10,600*
	140	65.6	12,940*	68.0	11,470*	70.2	10,390*
	150	63.6	12,510*	65.9	11,150*	68.1	10,160*
	160	61.5	12,140*	63.8	10,850*	65.9	9,990*
	170	59.3	11,740*	61.6	10,580*	63.7	9,780*
	180	57.1	11,380*	59.4	10,350*	61.5	9,650*
80' JIB & 240' BOOM	190	54.9	11,090*	57.2	10,160*	59.2	9,510*
	200	52.5	10,790*	54.8	9,960*	56.8	9,370*
	210	50.1	10,540*	52.4	9,760*	54.3	9,260*
	220	47.6	10,140	49.9	9,610*	51.7	9,210*
	230	45.0	9,210	47.2	9,220*	49.0	9,120*
	63	80.9	16,300*				
	70	79.6	15,940*				
	80	77.8	15,460*	80.2	13,530*		
	90	75.9	15,000*	78.3	13,210*	80.6	11,760*
	100	74.1	14,540*	76.4	12,900*	78.7	11,490*
	110	72.2	14,140*	74.5	12,590*	76.7	11,180*
	120	70.3	13,710*	72.6	12,240*	74.8	10,890*
	130	68.4	13,360*	70.7	11,900*	72.9	10,630*
	140	66.4	13,040*	68.7	11,560*	70.9	10,400*
	150	64.4	12,660*	66.7	11,260*	68.8	10,190*
	160	62.4	12,260*	64.7	10,960*	66.8	10,000*
	170	60.4	11,880*	62.6	10,690*	64.7	9,840*
	180	58.3	11,530*	60.5	10,440*	62.5	9,700*
	190	56.1	11,230*	58.4	10,250*	60.3	9,540*
	200	53.9	10,920*	56.1	10,020*	58.1	9,390*
	210	51.6	10,680*	53.8	9,860	55.7	9,300*
	220	49.3	9,670	51.5	9,680	53.3	9,200*
	230	46.8	8,730	49.0	8,740	50.8	8,760
	240	44.3	7,880	46.4	7,890	48.1	7,910



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
80' JIB & 250' BOOM	64	81.0	16,190*				
	70	79.9	15,870*				
	80	78.1	15,390*	80.5	13,440*		
	90	76.4	14,990*	78.7	13,150*	80.8	11,740*
	100	74.6	14,550*	76.9	12,850*	79.0	11,530*
	110	72.7	14,140*	75.0	12,550*	77.2	11,210*
	120	70.9	13,790*	73.2	12,300*	75.3	10,950*
	130	69.1	13,400*	71.3	11,970*	73.4	10,690*
	140	67.2	13,040*	69.4	11,650*	71.5	10,430*
	150	65.3	12,750*	67.5	11,300*	69.6	10,220*
	160	63.3	12,420*	65.6	11,040*	67.6	10,050*
	170	61.4	12,010*	63.6	10,750*	65.6	9,860*
	180	59.3	11,700*	61.5	10,530*	63.5	9,700*
	190	57.3	11,370*	59.5	10,300*	61.4	9,580*
	200	55.2	11,070*	57.3	10,100*	59.2	9,430*
	210	53.0	10,260	55.2	9,900	57.0	9,330*
	220	50.8	9,230	52.9	9,240	54.7	9,240*
	230	48.5	8,280	50.6	8,290	52.3	8,310
	240	46.1	7,440	48.1	7,450	49.8	7,470
	250	43.6	6,660	45.6	6,670	47.2	6,690
80' JIB & 260' BOOM	66	80.9	15,980*				
	70	80.2	15,840*				
	80	78.5	15,400*	80.7	13,390*		
	90	76.8	14,930*	79.0	13,080*		
	100	75.0	14,520*	77.3	12,790*	79.4	11,470*
	110	73.3	14,130*	75.5	12,570*	77.6	11,250*
	120	71.5	13,790*	73.7	12,290*	75.8	10,950*
	130	69.7	13,420*	71.9	12,020*	73.9	10,720*
	140	67.9	13,080*	70.1	11,720*	72.1	10,480*
	150	66.1	12,760*	68.2	11,390*	70.2	10,280*
	160	64.2	12,420*	66.4	11,100*	68.3	10,080*
	170	62.3	12,150*	64.4	10,830*	66.4	9,910*
	180	60.4	11,810*	62.5	10,580*	64.4	9,730*
	190	58.4	11,490*	60.5	10,370*	62.4	9,590*
	200	56.4	10,950	58.5	10,190*	60.3	9,470*
	210	54.3	9,790	56.4	9,800	58.2	9,370*
	220	52.2	8,750	54.2	8,760	56.0	8,780
	230	50.0	7,810	52.0	7,820	53.7	7,840
	240	47.7	6,960	49.7	6,970	51.4	6,990
	250	45.3	6,170	47.3	6,180	49.0	6,200
	260	42.9	5,460	44.8	5,470	46.4	5,490
80' JIB & 270' BOOM	67	81.0	15,850*				
	70	80.5	15,730*				
	80	78.8	15,260*				
	90	77.2	14,860*	79.3	13,020*		
	100	75.5	14,490*	77.6	12,770*	79.7	11,350*
	110	73.8	14,080*	75.9	12,480*	77.9	11,190*
	120	72.0	13,720*	74.2	12,210*	76.2	11,010*
	130	70.3	13,370*	72.5	11,950*	74.4	10,750*
	140	68.6	13,060*	70.7	11,730*	72.6	10,530*
	150	66.8	12,720*	68.9	11,470*	70.8	10,330*
	160	65.0	12,420*	67.1	11,200*	69.0	10,130*
	170	63.1	12,170*	65.2	10,940*	67.1	9,860*
	180	61.3	11,860*	63.4	10,660*	65.2	9,260*
	190	59.4	11,590*	61.5	10,450*	63.3	8,690*
	200	57.4	10,480	59.5	10,250*	61.3	8,170*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#1016 JIB RATINGS TO 100,000#
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
80' JIB & 270' BOOM	210	55.5	9,330	57.5	9,340	59.3	7,600*
	220	53.4	8,290	55.5	8,290	57.2	7,070*
	230	51.3	7,330	53.3	7,340	55.0	6,540*
	240	49.2	6,490	51.2	6,500	52.8	6,050*
	250	47.0	5,700	48.9	5,710	50.5	5,550*
	260	44.6	4,990	46.6	5,000	48.1	5,020
	270	42.2	4,340	44.1	4,350	45.6	4,370
80' JIB & 280' BOOM	69	80.9	15,580*				
	70	80.8	15,580*				
	80	79.1	15,140*				
	90	77.5	14,780*	79.6	12,890*		
	100	75.9	14,390*	78.0	12,650*	80.0	11,190*
	110	74.2	13,990*	76.3	12,390*	78.3	11,020*
	120	72.6	13,650*	74.7	12,100*	76.6	10,870*
	130	70.9	13,280*	73.0	11,890*	74.9	10,500*
	140	69.2	12,960*	71.3	11,630*	73.2	9,840*
	150	67.5	12,630*	69.5	11,430*	71.4	9,210*
	160	65.7	11,850*	67.8	10,890*	69.6	8,620*
	170	64.0	11,080*	66.0	10,210*	67.8	8,010*
	180	62.2	10,350*	64.2	9,530*	66.0	7,430*
	190	60.3	9,620*	62.3	8,880*	64.1	6,870*
	200	58.5	8,930*	60.5	8,280*	62.2	6,350*
	210	56.6	8,290*	58.6	7,670*	60.3	5,830*
	220	54.6	7,660*	56.6	7,080*	58.3	5,300*
	230	52.6	6,860*	54.6	6,540*	56.2	4,830*
	240	50.6	6,000*	52.5	5,980*	54.1	4,320*
	250	48.4	5,220*	50.4	5,230*	51.9	3,860*
80' JIB & 290' BOOM	260	46.3	4,510*	48.1	4,520*	49.7	3,400*
	270	44.0	3,840*	45.8	3,850*	47.3	2,930*
	280	41.6	3,250*	43.4	3,260*	44.9	2,470*
	71	80.9	15,280*				
	80	79.4	14,950*				
	90	77.9	14,580*	79.9	12,720*		
	100	76.3	14,170*	78.3	12,470*	80.3	10,750*
	110	74.7	13,760*	76.7	12,250*	78.6	10,070*
	120	73.1	13,220*	75.1	11,940*	77.0	9,420*
	130	71.4	12,220*	73.5	11,140*	75.3	8,780*
	140	69.8	11,360*	71.8	10,380*	73.7	8,140*
	150	68.1	10,510*	70.1	9,630*	72.0	7,520*
	160	66.4	9,720*	68.4	8,930*	70.2	6,900*
	170	64.7	8,960*	66.7	8,230*	68.5	6,320*
	180	63.0	8,220*	65.0	7,590*	66.7	5,740*
	190	61.2	7,540*	63.2	6,960*	64.9	5,210*
	200	59.4	6,910*	61.4	6,380*	63.1	4,680*
	210	57.6	6,280*	59.5	5,790*	61.2	4,170*
	220	55.7	5,700*	57.6	5,240*	59.3	3,680*
	230	53.8	5,140*	55.7	4,710*	57.4	3,200*
	240	51.8	4,600*	53.7	4,210*	55.3	2,720*
	250	49.8	4,060*	51.7	3,710*	53.3	2,270*
	260	47.7	3,560*	49.6	3,220*	51.1	1,830*
	270	45.6	3,060*	47.4	2,750*	48.9	1,400*
	280	43.3	2,570*	45.1	2,280*	46.6	970
	290	41.0	2,090*	42.8	1,820*	44.1	550



AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT.

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.)
90' JIB & 230' BOOM	64	80.8	13,230*				
	70	79.7	12,940*				
	80	77.9	12,430*	80.6	10,570*		
	90	76.1	11,990*	78.8	10,130*		
	100	74.2	11,560*	76.9	9,730*	79.4	8,440*
	110	72.3	11,040*	75.0	9,340*	77.5	8,170*
	120	70.4	10,540*	73.1	9,020*	75.6	7,950*
	130	68.5	10,090*	71.2	8,730*	73.6	7,720*
	140	66.6	9,720*	69.2	8,430*	71.6	7,520*
	150	64.6	9,330*	67.2	8,170*	69.6	7,340*
	160	62.6	8,980*	65.2	7,930*	67.5	7,180*
	170	60.5	8,670*	63.1	7,730*	65.4	7,020*
	180	58.4	8,400*	61.0	7,540*	63.3	6,910*
	190	56.3	8,130*	58.8	7,340*	61.0	6,780*
	200	54.1	7,900*	56.6	7,180*	58.8	6,680*
90' JIB & 240' BOOM	210	51.8	7,680*	54.3	7,030*	56.4	6,600*
	220	49.4	7,500*	51.9	6,910*	54.0	6,510*
	230	47.0	7,330*	49.4	6,790*	51.5	6,460*
	65	80.9	13,130*				
	70	80.1	12,900*				
	80	78.3	12,430*	80.9	10,580*		
	90	76.5	12,030*	79.1	10,170*		
	100	74.7	11,630*	77.3	9,770*	79.8	8,420*
	110	72.9	11,130*	75.5	9,420*	77.9	8,190*
	120	71.1	10,660*	73.6	9,060*	76.0	7,970*
	130	69.2	10,210*	71.8	8,790*	74.1	7,750*
	140	67.3	9,830*	69.9	8,500*	72.2	7,570*
	150	65.4	9,450*	68.0	8,250*	70.3	7,360*
	160	63.5	9,130*	66.0	8,000*	68.3	7,220*
	170	61.5	8,810*	64.0	7,780*	66.3	7,050*
90' JIB & 250' BOOM	180	59.5	8,500*	62.0	7,590*	64.2	6,920*
	190	57.4	8,260*	59.9	7,400*	62.1	6,820*
	200	55.3	8,020*	57.8	7,230*	59.9	6,700*
	210	53.2	7,770*	55.6	7,090*	57.7	6,610*
	220	50.9	7,590*	53.3	6,950*	55.4	6,520*
	230	48.6	7,380*	51.0	6,830*	53.0	6,470*
	240	46.2	7,240*	48.6	6,720*	50.5	6,410*
	67	80.9	13,040*				
	70	80.4	12,930*				
	80	78.6	12,440*				
	90	76.9	12,040*	79.4	10,190*		
	100	75.2	11,630*	77.7	9,800*	80.1	8,450*
	110	73.4	11,270*	75.9	9,450*	78.3	8,210*
	120	71.6	10,770*	74.1	9,140*	76.5	7,970*
	130	69.9	10,330*	72.3	8,830*	74.6	7,750*
	140	68.0	9,940*	70.5	8,570*	72.8	7,580*
	150	66.2	9,580*	68.7	8,300*	70.9	7,390*
	160	64.3	9,240*	66.8	8,080*	69.0	7,230*
	170	62.4	8,930*	64.9	7,840*	67.1	7,070*
	180	60.5	8,620*	62.9	7,630*	65.1	6,940*
	190	58.5	8,370*	60.9	7,460*	63.1	6,820*
	200	56.5	8,110*	58.9	7,290*	61.0	6,710*
	210	54.4	7,890*	56.8	7,140*	58.9	6,620*
	220	52.3	7,680*	54.6	6,990*	56.7	6,530*
	230	50.1	7,470*	52.4	6,860*	54.4	6,470*
	240	47.8	7,300*	50.1	6,760*	52.0	6,420*
	250	45.5	6,760	47.7	6,680*	49.6	6,370*



AMERICAN HOIST & DERRICK CO
ST PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
90' JIB & 260' BOOM	68	81.0	12,970*				
	70	80.6	12,880*				
	80	79.0	12,440*				
	90	77.3	12,040*	79.8	10,230*		
	100	75.6	11,650*	78.1	9,860*	80.4	8,460*
	110	73.9	11,290*	76.3	9,510*	78.6	8,220*
	120	72.2	10,860*	74.6	9,170*	76.9	7,990*
	130	70.5	10,460*	72.9	8,870*	75.1	7,780*
	140	68.7	10,030*	71.1	8,630*	73.3	7,570*
	150	66.9	9,680*	69.3	8,330*	71.5	7,400*
	160	65.1	9,310*	67.5	8,100*	69.7	7,250*
	170	63.3	9,010*	65.7	7,910*	67.8	7,120*
	180	61.4	8,720*	63.8	7,690*	65.9	6,980*
	190	59.5	8,440*	61.9	7,500*	63.9	6,840*
	200	57.6	8,200*	59.9	7,350*	62.0	6,730*
	210	55.6	7,990*	57.9	7,200*	59.9	6,630*
	220	53.6	7,770*	55.9	7,060*	57.8	6,550*
	230	51.5	7,560*	53.7	6,910*	55.7	6,490*
90' JIB & 270' BOOM	240	49.3	7,070	51.6	6,800*	53.5	6,400*
	250	47.1	6,290	49.3	6,300*	51.2	6,320
	260	44.8	5,580	47.0	5,590*	48.7	5,610
	70	80.9	12,850*				
	80	79.3	12,450*				
	90	77.7	12,030*	80.0	10,280*		
	100	76.0	11,650*	78.4	9,910*	80.6	8,450*
	110	74.4	11,320*	76.7	9,530*	79.0	8,240*
	120	72.7	10,940*	75.1	9,240*	77.3	8,010*
	130	71.0	10,530*	73.4	8,940*	75.6	7,800*
	140	69.3	10,150*	71.7	8,640*	73.8	7,610*
90' JIB & 280' BOOM	150	67.6	9,770*	69.9	8,410*	72.1	7,420*
	160	65.9	9,420*	68.2	8,150*	70.3	7,280*
	170	64.1	9,100*	66.4	7,930*	68.5	7,130*
	180	62.3	8,820*	64.6	7,730*	66.6	6,980*
	190	60.5	8,530*	62.7	7,560*	64.8	6,880*
	200	58.6	8,310*	60.9	7,410*	62.9	6,740*
	210	56.7	8,080*	58.9	7,220*	60.9	6,650*
	220	54.8	7,870*	57.0	7,110*	58.9	6,550*
	230	52.8	7,460	55.0	6,960*	56.9	6,320*
	240	50.7	6,600	52.9	6,610	54.8	5,830*
	250	48.6	5,820	50.8	5,830	52.6	5,370*
	260	46.4	5,110	48.5	5,120	50.3	4,910*
	270	44.1	4,440	46.2	4,460	47.9	4,460*
90' JIB & 280' BOOM	71	81.0	12,740*				
	80	79.6	12,390*				
	90	78.0	11,970*	80.3	10,280*		
	100	76.4	11,620*	78.7	9,910*	80.9	8,460*
	110	74.8	11,280*	77.1	9,580*	79.3	8,250*
	120	73.2	10,940*	75.5	9,260*	77.6	8,020*
	130	71.6	10,630*	73.8	8,970*	76.0	7,820*
	140	69.9	10,230*	72.2	8,720*	74.3	7,630*
	150	68.2	9,850*	70.5	8,440*	72.6	7,450*
	160	66.6	9,550*	68.8	8,210*	70.9	7,300*
	170	64.8	9,200*	67.1	8,000*	69.1	7,130*
	180	63.1	8,930*	65.3	7,800*	67.4	6,990*
	190	61.3	8,660*	63.6	7,620*	65.6	6,590*
	200	59.6	8,390*	61.8	7,430*	63.7	6,080*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
90' JIB & 280' BOOM	210	57.7	8,040*	59.9	7,280*	61.8	5,590*
	220	55.9	7,440*	58.0	6,850*	59.9	5,120*
	230	53.9	6,840*	56.1	6,310*	58.0	4,670*
	240	52.0	6,120	54.1	5,820*	55.9	4,210*
	250	50.0	5,330	52.1	5,300*	53.9	3,750*
	260	47.9	4,610	50.0	4,630	51.7	3,330*
	270	45.7	3,960	47.8	3,970	49.5	2,910*
	280	43.5	3,360	45.5	3,370	47.1	2,480*
90' JIB & 290' BOOM	73	80.9	12,560*				
	80	79.8	12,290*				
	90	78.3	11,910*	80.6	10,190*		
	100	76.8	11,570*	79.0	9,940*		
	110	75.2	11,190*	77.5	9,630*	79.6	8,250*
	120	73.6	10,880*	75.9	9,310*	78.0	8,030*
	130	72.1	10,580*	74.3	9,000*	76.4	7,830*
	140	70.5	10,290*	72.7	8,730*	74.7	7,620*
	150	68.8	9,970*	71.1	8,490*	73.1	7,140*
	160	67.2	9,370*	69.4	8,270*	71.4	6,580*
	170	65.6	8,640*	67.7	7,910*	69.7	6,020*
	180	63.9	7,960*	66.1	7,290*	68.0	5,490*
	190	62.2	7,330*	64.3	6,710*	66.3	4,980*
	200	60.4	6,690*	62.6	6,160*	64.5	4,500*
	210	58.7	6,090*	60.8	5,610*	62.7	4,030*
	220	56.9	5,540*	59.0	5,080*	60.9	3,560*
	230	55.0	4,990*	57.2	4,580*	59.0	3,100*
	240	53.2	4,480*	55.3	4,090*	57.0	2,660*
	250	51.2	3,970*	53.3	3,620*	55.1	2,250*
	260	49.2	3,490*	51.3	3,170*	53.0	1,830*
	270	47.2	3,010*	49.2	2,730*	50.9	1,420*
	280	45.1	2,540*	47.1	2,280*	48.7	1,020*
	290	42.8	2,100*	44.8	1,850*	46.4	620*
100' JIB & 250' BOOM	69	80.9	10,160*				
	70	80.8	10,110*				
	80	79.1	9,550*				
	90	77.4	8,990*	80.2	7,250*		
	100	75.7	8,540*	78.5	6,940*		
	110	74.0	8,110*	76.8	6,650*	79.3	5,630*
	120	72.3	7,710*	75.0	6,400*	77.6	5,450*
	130	70.6	7,370*	73.3	6,150*	75.8	5,280*
	140	68.8	7,060*	71.5	5,930*	74.0	5,150*
	150	67.1	6,760*	69.7	5,730*	72.2	5,000*
	160	65.3	6,480*	67.9	5,530*	70.3	4,860*
	170	63.4	6,220*	66.1	5,370*	68.5	4,750*
	180	61.6	6,010*	64.2	5,220*	66.6	4,650*
	190	59.7	5,780*	62.3	5,060*	64.6	4,540*
	200	57.7	5,600*	60.3	4,940*	62.6	4,450*
	210	55.7	5,430*	58.3	4,820*	60.6	4,380*
	220	53.7	5,260*	56.3	4,710*	58.5	4,310*
	230	51.6	5,100*	54.2	4,600*	56.3	4,260*
	240	49.5	4,970*	52.0	4,520*	54.1	4,220*
	250	47.2	4,840*	49.7	4,440*	51.8	4,170*
100' JIB & 260' BOOM	71	80.9	10,110*				
	80	79.4	9,620*				
	90	77.8	9,060*	80.5	7,280*		
	100	76.2	8,620*	78.8	6,950*		
	110	74.5	8,190*	77.1	6,690*	79.6	5,640*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT.

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.)
100' JIB & 260' BOOM	120	72.8	7,800*	75.5	6,410*	77.9	5,470*
	130	71.2	7,430*	73.8	6,170*	76.2	5,300*
	140	69.5	7,130*	72.1	5,960*	74.5	5,150*
	150	67.7	6,830*	70.3	5,760*	72.7	5,000*
	160	66.0	6,550*	68.6	5,580*	71.0	4,870*
	170	64.2	6,300*	66.8	5,390*	69.1	4,750*
	180	62.4	6,070*	65.0	5,260*	67.3	4,650*
	190	60.6	5,850*	63.1	5,110*	65.4	4,560*
	200	58.7	5,670*	61.3	4,960*	63.5	4,470*
	210	56.8	5,490*	59.3	4,850*	61.6	4,380*
	220	54.9	5,330*	57.4	4,730*	59.6	4,320*
	230	52.9	5,170*	55.4	4,630*	57.5	4,250*
	240	50.8	5,030*	53.3	4,540*	55.4	4,210*
100' JIB & 270' BOOM	250	48.7	4,910*	51.1	4,460*	53.2	4,160*
	260	46.5	4,780*	48.9	4,400*	50.9	4,140*
	72	81.0	10,090*				
	80	79.7	9,660*				
	90	78.1	9,130*	80.7	7,280*		
	100	76.5	8,680*	79.1	7,000*		
	110	74.9	8,260*	77.5	6,690*	79.9	5,650*
	120	73.3	7,890*	75.9	6,450*	78.3	5,460*
	130	71.7	7,520*	74.2	6,220*	76.6	5,290*
	140	70.0	7,190*	72.6	6,010*	74.9	5,140*
	150	68.4	6,900*	70.9	5,790*	73.2	5,000*
	160	66.7	6,640*	69.2	5,600*	71.5	4,870*
	170	65.0	6,370*	67.5	5,440*	69.8	4,770*
100' JIB & 280' BOOM	180	63.2	6,160*	65.7	5,290*	68.0	4,650*
	190	61.5	5,940*	64.0	5,130*	66.2	4,570*
	200	59.7	5,730*	62.1	4,990*	64.3	4,470*
	210	57.9	5,560*	60.3	4,870*	62.5	4,380*
	220	56.0	5,370*	58.4	4,760*	60.6	4,320*
	230	54.1	5,220*	56.5	4,650*	58.6	4,250*
	240	52.1	5,090*	54.5	4,560*	56.6	4,190*
	250	50.1	4,950*	52.5	4,480*	54.5	4,150*
	260	48.0	4,850*	50.3	4,420*	52.3	4,120*
	270	45.8	4,560*	48.2	4,340*	50.1	4,080*
	74	80.9	10,060*				
	80	80.0	9,720*				
	90	78.4	9,220*	81.0	7,310*		
100' JIB & 280' BOOM	100	76.9	8,740*	79.4	7,000*		
	110	75.3	8,330*	77.8	6,730*	80.2	5,630*
	120	73.8	7,960*	76.3	6,480*	78.6	5,450*
	130	72.2	7,600*	74.7	6,220*	77.0	5,300*
	140	70.6	7,280*	73.1	6,020*	75.4	5,140*
	150	69.0	6,970*	71.4	5,820*	73.7	5,010*
	160	67.3	6,680*	69.8	5,630*	72.1	4,890*
	170	65.7	6,440*	68.1	5,450*	70.4	4,760*
	180	64.0	6,200*	66.4	5,310*	68.6	4,670*
	190	62.3	5,980*	64.7	5,150*	66.9	4,570*
	200	60.6	5,800*	63.0	5,010*	65.1	4,480*
	210	58.8	5,600*	61.2	4,890*	63.3	4,390*
	220	57.0	5,430*	59.4	4,780*	61.5	4,320*
	230	55.2	5,290*	57.5	4,670*	59.6	4,250*
	240	53.3	5,130*	55.6	4,580*	57.6	4,070*
	250	51.4	5,020*	53.7	4,500*	55.7	3,650*
	260	49.4	4,730*	51.7	4,410*	53.6	3,250*
	270	47.3	4,080*	49.6	4,090*	51.5	2,840*
	280	45.2	3,480*	47.4	3,490*	49.3	2,460*



AMERICAN HOIST & DERRICK CO
ST. PAUL, MINNESOTA 55107

#16HL JIB RATINGS FOR MODEL 9530
TRUCK CRANE W/77H TAPER TIP
BOOM & 90,000# CTWT

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.)
100' JIB & 290' BOOM	75	81.0	10,020*				
	80	80.2	9,780*				
	90	78.7	9,250*				
	100	77.2	8,800*	79.7	7,030*		
	110	75.7	8,390*	78.2	6,760*	80.5	5,630*
	120	74.2	8,030*	76.6	6,510*	78.9	5,460*
	130	72.7	7,670*	75.1	6,260*	77.4	5,310*
	140	71.1	7,340*	73.5	6,030*	75.8	5,150*
	150	69.5	7,030*	71.9	5,830*	74.2	5,000*
	160	68.0	6,750*	70.4	5,670*	72.6	4,880*
	170	66.4	6,500*	68.7	5,480*	70.9	4,760*
	180	64.7	6,270*	67.1	5,320*	69.3	4,660*
	190	63.1	6,060*	65.4	5,190*	67.6	4,550*
	200	61.4	5,840*	63.8	5,040*	65.9	4,320*
	210	59.7	5,670*	62.0	4,930*	64.1	3,860*
	220	58.0	5,360*	60.3	4,810*	62.3	3,430*
	230	56.2	4,850*	58.5	4,440*	60.5	3,010*
	240	54.4	4,340*	56.7	3,980*	58.7	2,600*
	250	52.5	3,860*	54.8	3,540*	56.8	2,200*
	260	50.6	3,390*	52.9	3,090*	54.8	1,800*
	270	48.7	2,960*	50.9	2,670*	52.8	1,430*
	280	46.7	2,520*	48.9	2,270*	50.7	1,050*
	290	44.6	2,080*	46.7	1,850*	48.5	680*

These ratings comply with ANSI B30.5 Code. They are applicable only when the crane is used in accordance with good operating practice, including the limitations shown on sheet 3499 of the operator's manual.

Ratings for truck or wagon mounted machines are with outriggers extended and set.

Ratings are in pounds and do not exceed 85% of the load which would cause tipping at the given radii, with crane standing level on a firm uniformly supporting surface.

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

"Radius in Feet" is the horizontal distance at ground level from the center pin to a vertical line through the center of gravity of the suspended load.

The weight of all suspended blocks, slings, or other load carrying devices including those at the main fall, are considered part of the jib load. The weight of standard hoisting ropes for the rating at a given radii has been calculated as part of the jib point dead load and need not be considered in determining net allowable loads.

Ratings shown on this chart make no allowance for such factors as the effect of freely suspended loads, wind, ground conditions, inflation of rubber tires and operating speeds. The operator, therefore, shall reduce ratings in order to take these conditions into account.

When using the main boom fall with the jib in place, the main fall ratings must be reduced by the jib effective weight shown in the table below and the weight of all suspended blocks, slings, etc., at the main fall and twice the weight of any such devices at the jib fall. All load carrying devices are considered part of the load.

Jib backstay line is .875 inch diameter wire rope with a minimum breaking strength of not less than 69,200 pounds.

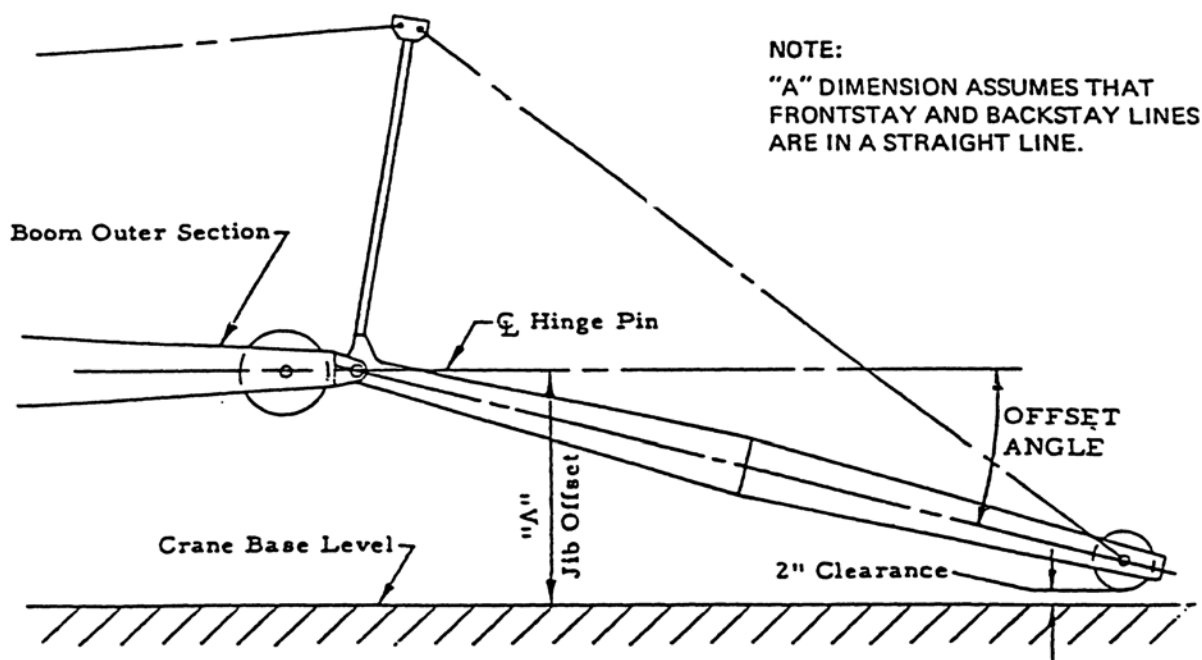
Whip-line is 1.00 inch diameter 6 x 25, P, RRL, FW, IPS, IWRC wire rope with a minimum breaking strength of not less than 89,800 pounds.



ST PAUL, MINNESOTA 55107

BOOM & 90,000# CTWT,

JIB COMPOSITION								
JIB LENGTH (FEET)	20' INNER	10' CENTER	20' CENTER	20' OUTER	EFF. JIB WEIGHT	JIB OFFSET "A" IN FEET		
						5°	15°	25°
40	1	0	0	1	1,500	4.83	10.17	15.08
50	1	1	0	1	2,050	5.67	12.08	18.25
60	1	0	1	1	2,600	6.50	13.83	21.17
70	1	1	1	1	3,150	7.08	15.83	24.33
80	1	0	2	1	3,700	7.75	17.67	27.33
90	1	1	2	1	4,350	8.33	19.58	30.58
100	1	0	3	1	4,950	9.00	21.33	33.50



LOAD HOISTING INFORMATION			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PTS. OF LINE	MAXIMUM HOISTING DISTANCE	
		MAIN DRUM	AUX. DRUM
32,000	2		418'
25,650	1		837'