



900 SERIES MODEL 9310 CRAWLER CRANE WITH 92HT BOOM

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

RATINGS IN POUNDS

With 92HT Tubular Chord Boom and "S-S" Counterweight (135,000 Lbs.)

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
70 feet	17	81.4	450,000	76
	20	78.9	336,160	75
	25	74.7	230,260	74
	30	70.4	174,040	73
	35	65.9	139,260	71
	40	61.3	115,620	68
	50	51.3	85,320	61
	60	39.5	66,930	51
80 feet	70	23.2	54,430	34
	18	81.8	410,490	86
	20	80.3	336,090	86
	25	76.6	230,130	85
	30	72.9	173,850	83
	35	69.1	139,050	81
	40	65.2	115,410	79
	50	56.9	85,080	74
90 feet	60	47.7	66,700	66
	70	36.8	54,200	55
	80	21.6	45,180	36
	20	81.4	335,900	96
	25	78.2	229,840	95
	30	74.9	173,520	94
	35	71.5	138,700	92
	40	68.1	115,050	90
100 feet	50	61.0	84,690	85
	60	53.3	66,320	79
	70	44.8	53,810	70
	80	34.6	44,800	58
	90	20.3	38,060	38
	21	81.7	307,590	106
	25	79.4	229,570	105
	30	76.4	173,210	104
110 feet	35	73.4	138,360	103
	40	70.4	114,720	101
	50	64.2	84,330	97
	60	57.5	65,970	91
	70	50.4	53,450	84
	80	42.3	44,450	74
	90	32.7	37,760	61
	100	19.2	32,400	40
120 feet	22	81.9	283,490	116
	25	80.3	229,260	115
	30	77.7	172,820	114
	35	75.0	137,990	113
	40	72.3	114,340	112
	50	66.7	83,930	108
	60	60.8	65,580	103
	70	54.6	53,060	96
130 feet	80	47.9	44,040	88
	90	40.2	37,400	78
	100	31.1	32,050	64
	110	18.3	27,730	41
	24	81.6	244,740	125
	25	81.1	229,230	125
	30	78.7	172,820	124
	35	76.3	137,960	123
140 feet	40	73.8	114,340	122
	50	68.7	83,910	119
	60	63.5	65,600	114
	70	58.0	53,070	108
	80	52.1	44,060	101
	90	45.7	37,450	93
	100	38.4	32,120	81
	110	29.7	27,820	66
150 feet	120	17.4	24,280	43

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
130 feet	25	81.8	228,900	135
	30	79.6	172,450	135
	35	77.4	137,590	134
	40	75.1	113,960	132
	50	70.4	83,510	129
	60	65.7	65,190	125
	70	60.7	52,660	120
	80	55.5	43,640	114
140 feet	90	49.9	37,060	106
	100	43.8	31,720	97
	110	36.8	27,430	85
	120	28.5	23,910	69
	130	16.7	20,950	44
	27	81.6	202,390	145
	30	80.4	172,040	145
	35	78.3	137,150	144
150 feet	40	76.2	113,520	143
	50	71.9	83,030	140
	60	67.5	64,720	136
	70	63.0	52,180	131
	80	58.3	43,150	126
	90	53.3	36,600	119
	100	47.9	31,260	111
	110	42.1	26,970	101
160 feet	120	35.4	23,440	88
	130	27.4	20,490	71
	140	16.1	17,980	46
	28	81.8	190,860	155
	30	81.0	171,640	155
	35	79.1	136,750	154
	40	77.1	113,110	153
	50	73.1	82,580	150
170 feet	60	69.1	64,280	147
	70	64.9	51,720	143
	80	60.6	42,690	137
	90	56.1	36,160	131
	100	51.3	30,830	124
	110	46.2	26,540	115
	120	40.6	23,010	104
	130	34.2	20,070	91
180 feet	140	26.5	17,570	74
	150	15.5	15,410	47
	29	81.9	180,380	165
	30	81.6	171,230	165
	35	79.8	136,320	164
	40	77.9	112,680	163
	50	74.2	82,130	161
	60	70.5	63,830	158
190 feet	70	66.6	51,260	154
	80	62.6	42,230	149
	90	58.5	35,710	143
	100	54.1	30,380	136
	110	49.6	26,090	129
	120	44.6	22,560	119
	130	39.2	19,620	108
	140	33.0	17,120	94
200 feet	150	25.6	14,970	76
	160	15.0	13,100	48
	31	81.7	162,670	175
	35	80.4	136,110	174
	40	78.6	112,490	173
	50	75.2	81,920	171
	60	71.6	63,650	168
	70	68.1	51,080	164
210 feet	80	64.4	42,030	160

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
170 feet (cont.)	90	60.5	35,560	155
	100	56.6	30,220	149
	110	52.4	25,930	141
	120	48.0	22,410	133
	130	43.2	19,470	123
	140	38.0	16,970	111
	150	32.0	14,820	97
	160	24.8	12,970	78
180 feet	170	14.5	11,330	49
	32	81.9	155,070	185
	35	80.9	135,700	184
	40	79.3	112,080	184
	50	76.0	81,480	181
	60	72.7	63,210	179
	70	69.3	50,630	175
	80	65.9	41,580	171
190 feet	90	62.3	35,120	166
	100	58.6	29,780	160
	110	54.8	25,490	154
	120	50.8	21,970	146
	130	46.5	19,030	137
	140	41.9	16,520	127
	150	36.9	14,380	115
	160	31.1	12,520	100
200 feet	170	24.1	10,890	80
	180	14.1	9,450	51
	33	82.0	147,660	195
	35	81.4	135,270	195
	40	79.9	111,630	194
	50	76.8	81,000	192
	60	73.6	62,730	189
	70	70.5	50,140	186
210 feet	80	67.2	41,080	182
	90	63.9	34,630	177
	100	60.5	29,290	172
	110	56.9	25,000	166
	120	53.2	21,480	159
	130	49.3	18,530	151
	140	45.2	16,030	142
	150	40.7	13,880	131
220 feet	160	35.8	12,020	118
	170	30.2	10,390	102
	180	23.4	8,950	82
	190	13.7	7,680	52
	35	81.8	134,840	205
	40	80.4	111,210	204
	50	77.4	80,540	202
	60	74.5	62,280	199
230 feet	70	71.5	49,670	196
	80	68.4	40,600	193
	90	65.3	34,180	188
	100	62.1	28,830	183
	110	58.8	24,530	178
	120	55.4	21,010	171
	130	51.8	18,050	164
	140	48.0	15,560	155
240 feet	150	44.0	13,420	146
	160	39.7	11,550	134
	170	34.9	9,920	121
	180	29.4	8,480	105
	190	22.8	7,200	84
	200	13.4	6,060	53
	36	81.9	128,880	215
	40	80.8	110,770	214
250 feet	50	78.1	80,550	212
	60	75.2	61,810	210

RATINGS IN POUNDS (cont.)

With 92HT Tubular Chord Boom and "S-S" Counterweight (135,000 Lbs.)

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
210 feet (cont.)	70	72.4	49,190	207
	80	69.5	40,110	203
	90	66.6	33,710	199
	100	63.5	28,350	195
	110	60.4	24,060	189
	120	57.2	20,530	183
	130	53.9	17,590	176
	140	50.4	15,080	169
	150	46.8	12,930	160
	160	42.9	11,070	150
	170	38.6	9,440	138
	180	34.0	8,000	124
	190	28.7	6,720	108
	200	22.3	5,580	86
	210	13.0	4,550	54
220 feet	38	81.8	119,150	225
	40	81.3	110,490	224
	50	78.6	80,280	222
	60	75.9	61,540	220
	70	73.2	48,920	217
	80	70.5	40,320	214
	90	67.7	33,470	210
	100	64.8	28,110	206
	110	61.9	23,810	201
	120	58.9	20,280	195
	130	55.8	17,340	189
	140	52.6	14,830	181
	150	49.2	12,690	173
	160	45.6	10,820	164
	170	41.8	9,200	153
	180	37.7	7,760	141
	190	33.2	6,470	127
	200	28.0	5,330	110
	210	21.7	4,300	88
230 feet	39	81.9	114,270	234
	40	81.6	110,080	234
	50	79.1	79,850	233
	60	76.6	61,090	230
	70	74.0	48,470	228
	80	71.4	39,870	225
	90	68.7	33,010	221
	100	66.0	27,650	217
	110	63.2	23,350	212
	120	60.4	19,810	207
	130	57.5	16,870	201

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
230 feet (cont.)	140	54.4	14,360	194
	150	51.3	12,220	186
	160	48.0	10,360	178
	170	44.6	8,720	168
	180	40.9	7,280	157
	190	36.9	6,000	145
	200	32.4	4,860	130
	210	27.4	3,840	113
240 feet	40	82.0	109,640	244
	50	79.6	79,410	243
	60	77.1	60,630	241
	70	74.7	47,980	238
	80	72.2	39,400	235
	90	69.6	32,530	232
	100	67.1	27,170	228
	110	64.4	22,860	223
	120	61.7	19,320	218
	130	59.0	16,370	212
	140	56.1	13,870	206
	150	53.2	11,720	199
	160	50.1	9,850	191
	170	46.9	8,220	182
	180	43.6	6,780	172
	190	39.9	5,490	161
	200	36.0	4,350	148
250 feet	42	81.9	101,570	254
	50	80.0	78,970	253
	60	77.6	60,170	251
	70	75.3	47,500	249
	80	72.9	38,940	246
	90	70.5	32,070	242
	100	68.0	26,700	239
	110	65.5	22,380	234
	120	63.0	18,850	229
	130	60.4	15,890	224
	140	57.7	13,390	218
	150	54.9	11,230	211
	160	52.1	9,370	204
	170	49.1	7,740	196
	180	45.9	6,290	186
	190	42.6	5,010	176
	200	39.1	3,860	164
260 feet	43	81.9	97,640	264
	50	80.4	78,520	263
	60	78.1	59,700	261

Boom Length	Radius In Feet	Boom Angle Degrees	Lift Ratings	Feet From Boom Point to Ground
260 feet (cont.)	70	75.9	47,020	259
	80	73.6	38,480	256
	90	71.3	31,600	253
	100	68.9	26,220	249
	110	66.5	21,900	245
	120	64.1	18,370	241
	130	61.6	15,410	235
	140	59.1	12,900	230
	150	56.4	10,750	223
	160	53.8	8,880	216
	170	51.0	7,250	209
	180	48.1	5,800	200
	190	45.0	4,520	191
270 feet	45	81.8	87,910	274
	50	80.7	78,200	273
	60	78.6	59,380	271
	70	76.4	46,700	269
	80	74.2	38,170	267
	90	72.0	31,290	264
	100	69.7	25,920	260
	110	67.4	21,600	256
	120	65.1	18,060	252
	130	62.8	15,100	247
	140	60.3	12,590	241
	150	57.9	10,450	235
	160	55.3	8,580	229
	170	52.7	6,940	221
	180	49.9	5,500	213
	190	47.1	4,220	205
280 feet	46	81.9	81,420	284
	50	81.1	77,780	283
	60	79.0	58,930	282
	70	76.9	46,230	279
	80	74.8	37,730	277
	90	72.6	30,840	274
	100	70.5	25,460	271
	110	68.3	21,140	267
	120	66.1	17,590	263
	130	63.8	14,630	258
	140	61.5	12,130	253
	150	59.1	9,970	247
	160	56.7	8,100	241
	170	54.2	6,470	234
	180	51.6	5,020	226
	190	49.0	3,740	218

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RATINGS IN KILOGRAMS

With 92HT Tubular Chord Boom and "S-S" Counterweight (61236 Kgs.)

Boom Length	Radius In Meters	Boom Angle Degrees	Lift Ratings	Meters From Boom Point to Ground
21.3 meters	5.0	81.9	204110	23
	5.5	80.5	185260	23
	6.0	79.2	156980	23
	7.0	76.4	119900	22
	8.0	73.6	96690	22
	9.0	70.8	80820	22
	10.0	67.9	69290	21
	12.0	61.9	53600	20
	14.0	55.5	43400	19
	16.0	48.6	36300	18
24.4 meters	18.0	40.8	31010	15
	20.0	31.4	26930	13
	5.4	82.0	192220	26
	6.0	80.5	156950	26
	7.0	78.1	119850	25
	8.0	75.7	96620	25
	9.0	73.3	80740	25
	10.0	70.8	69210	25
	12.0	65.7	53510	24
	14.0	60.4	43290	23
27.4 meters	16.0	54.7	36200	21
	18.0	48.6	30900	20
	20.0	41.9	26820	18
	24.0	24.0	20940	11
	5.9	81.8	161880	29
	7.0	81.6	156870	29
	7.0	79.5	119740	29
	8.0	77.3	96480	28
	9.0	75.2	80590	28
	10.0	73.0	69050	28
30.5 meters	12.0	68.6	53350	27
	14.0	63.9	43120	26
	16.0	59.1	36030	25
	18.0	54.1	30730	24
	20.0	48.7	26640	22
	24.0	36.0	20770	18
	26.0	27.9	18570	14
	6.3	81.9	143530	32
	7.0	80.6	119620	32
	8.0	78.6	96350	31
33.5 meters	9.0	76.7	80450	31
	10.0	74.8	68810	31
	12.0	70.8	53190	30
	14.0	66.7	42960	30
	16.0	62.6	35870	29
	18.0	58.2	30570	27
	20.0	53.6	26480	26
	24.0	43.4	20600	23
	28.0	30.6	16620	17
	30.0	21.9	15040	13
36.6 meters	6.7	81.9	128770	35
	7.0	81.4	119490	35
	8.0	79.7	96200	35
	9.0	77.9	80290	34
	10.0	76.2	68750	34
	12.0	72.6	53030	34
	14.0	69.0	42780	33
	16.0	65.2	35700	32
	18.0	61.4	30400	31
	20.0	57.4	26310	30
39.6 meters	24.0	48.7	20420	27
	28.0	38.7	16460	23
	32.0	25.5	13510	16
	7.1	82.0	116660	38
	8.0	80.6	96180	38
	9.0	78.9	80270	37
	10.0	77.4	68740	37
	12.0	74.1	53030	37
	14.0	70.8	42770	36
	16.0	67.4	35710	35
42.7 meters	18.0	64.0	30400	34
	20.0	60.4	26310	33
	24.0	52.8	20430	31
	28.0	44.4	16490	27
	32.0	34.3	13540	22
	36.0	20.3	11290	14
	8.0	81.9	95850	44
	9.0	80.6	79930	44
	10.0	79.2	68380	43
	12.0	76.4	52660	43
45.7 meters	14.0	73.6	42380	43
	16.0	70.8	35330	42
	18.0	67.9	30010	41
	20.0	65.0	25910	40
	24.0	58.9	20020	38
	28.0	52.3	16100	35
	32.0	45.1	13150	32
	36.0	36.8	10910	27
	40.0	26.3	9140	20
	42.0	19.2	8390	16
48.8 meters	8.4	81.9	88740	47
	9.0	81.2	79750	47
	10.0	79.9	68200	47
	12.0	77.4	52470	46
	14.0	74.8	42180	46
	16.0	72.1	35130	45
	18.0	69.5	29810	44
	20.0	66.8	25710	44
	24.0	61.1	19810	42
	28.0	55.2	15900	39
51.8 meters	32.0	48.8	12950	36
	36.0	41.7	10710	32
	40.0	33.3	8940	27
	44.0	22.4	7520	19
	8.8	82.0	82380	50
	9.0	81.7	79570	50
	10.0	80.6	68020	50
	12.0	78.2	52280	49
	14.0	75.7	41980	49
	16.0	73.3	34930	48
54.9 meters	18.0	70.8	29600	48
	20.0	68.3	25500	47
	24.0	63.1	19600	45
	28.0	57.7	15700	43
	32.0	51.9	12750	40
	36.0	45.6	10510	36
	40.0	38.5	8740	32
	44.0	30.0	7320	26
	48.0	18.3	6140	17
	9.3	81.9	75580	53
57.9 meters	10.0	81.1	67920	53
	12.0	78.9	52190	52
	14.0	76.6	41890	52
	16.0	74.3	34850	51
	18.0	72.0	29520	51
	20.0	69.6	25410	50
	24.0	64.8	19510	48
	30.0	57.2	14050	45
	34.0	51.7	11490	42
	38.0	45.8	9510	39
60.9 meters	42.0	39.2	7930	34
	46.0	31.4	6640	29
	50.0	21.3	5570	20
	9.7	81.9	70920	56
	10.0	81.6	67750	56
	12.0	79.5	52010	56
	14.0	77.4	41690	55
	16.0	75.2	34660	55
	18.0	73.0	29320	54
	20.0	70.8	25210	53
63.9 meters	24.0	66.3	19300	52
	28.0	61.6	15430	50
	32.0	56.8	12480	47
	36.0	51.6	10240	45
	40.0	46.0	8470	41
	44.0	39.8	7050	37
	48.0	32.6	5880	31
	52.0	23.6	4890	24
	54.0	17.5	4460	18
	10.1	82.0	66560	59
66.9 meters	11.0	81.1	58630	59
	12.0	80.1	51810	59
	14.0	78.0	41490	58
	16.0	76.0	34450	58
	18.0	73.9	29110	57
	20.0	71.9	24990	57
	24.0	67.6	19080	55
	28.0	63.3	15210	53
	32.0	58.7	12260	51
	36.0	53.9	10010	48
69.9 meters	40.0	48.8	8250	45
	44.0	43.3	6830	41
	48.0	37.1	5650	37
	52.0	29.8	4670	30
	56.0	20.3	3830	22
	10.5	82.0	62620	62
	11.0	81.5	58430	62
	12.0	80.6	51610	62
	14.0	78.6	41280	61
	16.0	76.7	34250	61
72.9 meters	18.0	74.8	28900	60
	20.0	72.8	24780	60
	24.0	68.8	18860	58
	28.0	64.7	15000	57
	32.0	60.4	12050	55
	36.0	56.0	9800	52
	40.0	51.3	8040	49
	44.0	46.3	6610	46
	48.0	40.8	5440	41
	52.0	34.6	4450	36
75.9 meters	56.0	27.1	3620	29
	60.0	16.9	2900	19
	11.0	81.9	58240	65
	12.0	81.0	51420	65
	14.0	79.2	41080	64
	16.0	77.4	34050	64
	18.0	75.5	28690	64
	20.0	73.6	24570	63
	24.0	69.9	18640	62
	28.0	66.0	14790	60
78.9 meters	32.0	62.0	11830	58
	36.0	57.8	9590	56
	40.0	53.5	7820	53
	44.0	48.9	6390	50
	48.0	43.9	5220	46
	52.0	38.4	4240	41
	56.0	32.1	3400	36
	60.0	24.4	2680	28
	64.0	13.0	2060	16
	11.4	81.9	55100	68
81.9 meters	12.0	81.4	51290	68
	14.0	79.7	40950	68
	16.0	77.9	33920	67
	18.0	76.2	28570	67
	20.0	74.4	24440	66
	24.0	70.8	18520	65
	28.0	67.1	14680	63
	32.0	63.4	11720	62
	36.0	59.5	9480	59
	40.0	55.4	7710	57

Boom Length	Radius In Meters	Boom Angle Degrees	Lift Ratings	Meters From Boom Point to Ground
39.6 meters	7.6	81.9	104260	41
	8.0	81.3	96030	41
	9.0	79.8	80110	41
	10.0	78.3	68570	40
	12.0	75.4	52850	40
	14.0	72.3	42590	39
	16.0	69.3	35530	39
	18.0	66.1	30210	38
	20.0	62.9	26130	37
	24.0	56.1	20240	34
42.7 meters	28.0	48.8	16310	31
	32.0	40.4	13370	27
	36.0	30.3	11120	22
	38.0	23.7	10180	18
	8.0	81.9	95850	44
	9.0	80.6	79930	44
	10.0	79.2	68380	43
	12.0	76.4	52660	43
	14.0	73.6	42380	43
	16.0	70.8	35330	42
45.7 meters	18.0	67.9	30010	41
	20.0	65.0	25910	40
	24.0	58.9	20020	38
	28.0	52.3	16100	35
	32.0	45.1	13150	32
	36.0	36.8	10910	27
	40.0	26.3	9140	20
	42.0	19.2	8390	16
	8.4	81.9	88740	47
	9.0	81.2	79750	47
48.8 meters	10.0	79.9	68200	47
	12.0	77.4	52470	46

RATINGS IN KILOGRAMS (cont.)

With 92HT Tubular Chord Boom and "S-S" Counterweight (61236 Kgs.)

Boom Length	Radius in Meters	Boom Angle Degrees	Lift Ratings	Meters From Boom Point to Ground
67.1 meters (cont.)	44.0	51.1	6280	54
	48.0	46.5	5110	50
	52.0	41.6	4120	46
	56.0	36.1	3290	41
	60.0	29.7	2570	35
	64.0	21.7	1950	26
	66.0	16.4	1670	20
70.1 meters	11.8	82.0	52390	71
	12.0	81.8	51110	71
	14.0	80.1	40750	71
	16.0	78.5	33730	70
	18.0	76.8	28360	70
	20.0	75.1	24240	69
	24.0	71.7	18310	68
	28.0	68.2	14470	67
	32.0	64.6	11520	65
	36.0	60.9	9260	63
	40.0	57.1	7500	60
	44.0	53.1	6070	58
	48.0	48.9	4900	54
	52.0	44.3	3910	51
73.2 meters	56.0	39.4	3070	46
	60.0	33.9	2350	41
	64.0	27.4	1740	34
	12.2	82.0	49680	74
	13.0	81.4	45220	74
	14.0	80.6	40540	74
	16.0	79.0	33520	73
	18.0	77.4	28150	73
	20.0	75.7	24020	72
	24.0	72.5	18080	71
	28.0	69.1	14250	70
	32.0	65.8	11290	68
	36.0	62.3	9040	66
76.2 meters	40.0	58.6	7270	64
	44.0	54.9	5840	61
	48.0	50.9	4670	58
	52.0	46.8	3680	55
	56.0	42.3	2850	51
	60.0	37.3	2120	46
	62.0	34.6	1800	43
	12.7	81.9	46620	77
	13.0	81.7	45020	77
	14.0	80.9	40330	77
	16.0	79.4	33320	76
	18.0	77.9	27950	76
	20.0	76.3	23810	76
	24.0	73.2	18110	75
79.2 meters (cont.)	28.0	70.0	14040	73
	32.0	66.8	11080	72
	36.0	63.5	8820	70
	40.0	60.0	7050	68
	44.0	56.5	5620	65
	48.0	52.8	4450	62
	52.0	48.9	3460	59
	56.0	44.7	2630	55
	60.0	40.2	1900	51
	13.1	81.9	44320	80
79.2 meters	14.0	81.3	40120	80
	16.0	79.8	33120	80
	18.0	78.3	27740	79
	20.0	76.9	23600	79
	24.0	73.9	17900	78
	28.0	70.8	13830	76
	32.0	67.7	10860	75
	36.0	64.6	8600	73
	40.0	61.3	6840	71
	44.0	57.9	5410	69
82.3 meters	48.0	54.4	4230	66
	52.0	50.8	3240	63
	56.0	46.9	2400	59
	60.0	42.8	1680	55
	13.5	82.0	39840	83
	14.0	81.6	39840	83
	16.0	80.2	32980	83
	18.0	78.8	27590	82
	20.0	77.4	23450	82
	24.0	74.5	17770	81
	28.0	71.6	13690	80
	32.0	68.6	10720	78
	36.0	65.6	8470	76
	40.0	62.5	6690	75
85.3 meters	44.0	59.3	5270	72
	48.0	55.9	4090	70
	52.0	52.5	3100	67
	56.0	48.9	2270	64
	58.0	47.0	1890	62
	13.9	82.0	36880	86
	14.0	81.9	36840	86
	15.0	81.2	36130	86
	16.0	80.6	32780	86
	18.0	79.2	27390	85
	20.0	77.8	23240	85
	24.0	75.1	17570	84
	28.0	72.3	13490	83
	32.0	69.4	10510	81
82.3 meters (cont.)	36.0	66.5	8260	80
	40.0	63.5	6490	78
	44.0	60.5	5050	76
	48.0	57.3	3870	73
	52.0	54.1	2880	71
	56.0	50.7	2050	68

9310.132M

CRANE RATING DATA

Load ratings are in pounds (kilograms) with crawler side frames extended and do not exceed 75% of the load which would cause tipping with crane standing level on firm uniformly supporting surface. Safe loads depend on boom length, radius of operation, ground conditions, wind velocity and proper handling, all of which must be taken into consideration by the user.

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

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

Main load line is 1½ inch (28.5 mm) diameter EEIPS with 143,000 pounds (64865 kilograms) minimum breaking strength.

Boom suspension line is ¾ inch (22.2 mm) diameter EIPS with 79,600 pounds (36106 kilograms) minimum breaking strength. Boom suspension pendants are 1¾ inch (34.9 mm) diameter EEIPS with 211,000 pounds (95709 kilograms) minimum breaking strength. Boom and jib erection is over the long end of the crawlers with idler tumblers blocked and "S-S" counterweight.

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

LOAD HOISTING DATA METRIC

Maximum Lifting Capacity in Pounds	Minimum Parts of Load Line	Maximum Hoisting Distance		
		RH Drum With Controlled Load Lowering	LH Drum With Controlled Load Lowering	LH Drum Without Controlled Load Lowering
		Fl.	Fl.	Fl.
450,000	12	69	35	53
449,427	11	76	38	58
405,570	10	83	42	64
367,710	9	93	47	71
326,850	8	104	52	80
285,990	7	119	60	92
245,140	6	139	70	107
204,280	5	167	84	129
163,420	4	209	105	161
122,570	3	279	141	215
81,710	2	419	211	323
40,850	1	839	423	647

Based on 1 1/2" EEIPS load line with 143,000 lbs. minimum breaking strength.

Maximum Lifting Capacity in Kilograms	Minimum Parts of Load Line	Maximum Hoisting Distance		
		RH Drum With Controlled Load Lowering	LH Drum With Controlled Load Lowering	LH Drum Without Controlled Load Lowering
		M	M	M
204,120	12	21.0	10.7	16.2
203,860	11	23.2	11.6	17.7
183,970	10	25.3	12.8	19.5
166,790	9	28.3	14.3	21.6
148,260	8	31.7	15.8	24.4
129,730	7	36.3	18.3	28.0
111,200	6	42.4	21.3	32.6
108,990	5	50.9	25.6	39.3
74,130	4	63.7	32.0	49.1
55,600	3	85.0	50.0	85.5
37,060	2	127.7	64.3	98.5
18,530	1	255.7	128.9	197.2

Based on 28.5 mm dia. load line with 64865 kgs. minimum breaking strength.

HOISTING PERFORMANCE

Function	Single Line Pull At Single Line Speed			
	SLP (Pounds) At SLS (Feet per Minute)		SLP (Kilograms) At SLS (Meters per Minute)	
	First Layer	Sixth Layer	First Layer	Sixth Layer
Lifting Crane	5,000 Lbs. @ 305 FPM	5,000 Lbs. @ 405 FPM	2268 Kgs. @ 93 MPM	2268 Kgs. @ 123 MPM
	10,000 Lbs. @ 298 FPM	10,000 Lbs. @ 380 FPM	4536 Kgs. @ 91 MPM	4536 Kgs. @ 116 MPM
	15,000 Lbs. @ 275 FPM	15,000 Lbs. @ 340 FPM	6804 Kgs. @ 84 MPM	6804 Kgs. @ 104 MPM
	20,000 Lbs. @ 255 FPM	20,000 Lbs. @ 300 FPM	9072 Kgs. @ 78 MPM	9072 Kgs. @ 91 MPM
	25,000 Lbs. @ 232 FPM	25,000 Lbs. @ 257 FPM	11340 Kgs. @ 71 MPM	11340 Kgs. @ 78 MPM
	30,000 Lbs. @ 208 FPM	30,000 Lbs. @ 218 FPM	13608 Kgs. @ 63 MPM	13608 Kgs. @ 66 MPM
	35,000 Lbs. @ 185 FPM	35,000 Lbs. @ 185 FPM	15876 Kgs. @ 56 MPM	15876 Kgs. @ 56 MPM
	40,000 Lbs. @ 165 FPM	40,000 Lbs. @ 160 FPM	18144 Kgs. @ 50 MPM	18144 Kgs. @ 49 MPM

Performance figures are based on machine equipped with standard engine and torque converter.

NOTE: Data applies to standard equipped machine as shipped from the factory. Information is supplied for reference only. In accordance with the Company's policy of constant product improvement these specifications are subject to change without notice and without incurring responsibility to units previously sold.

PERFORMANCE

Travel Speed 0.8 MPH (1.29 Km/H)
 Gradeability 60%
 Swing Speed 2.28 R.P.M. Max.

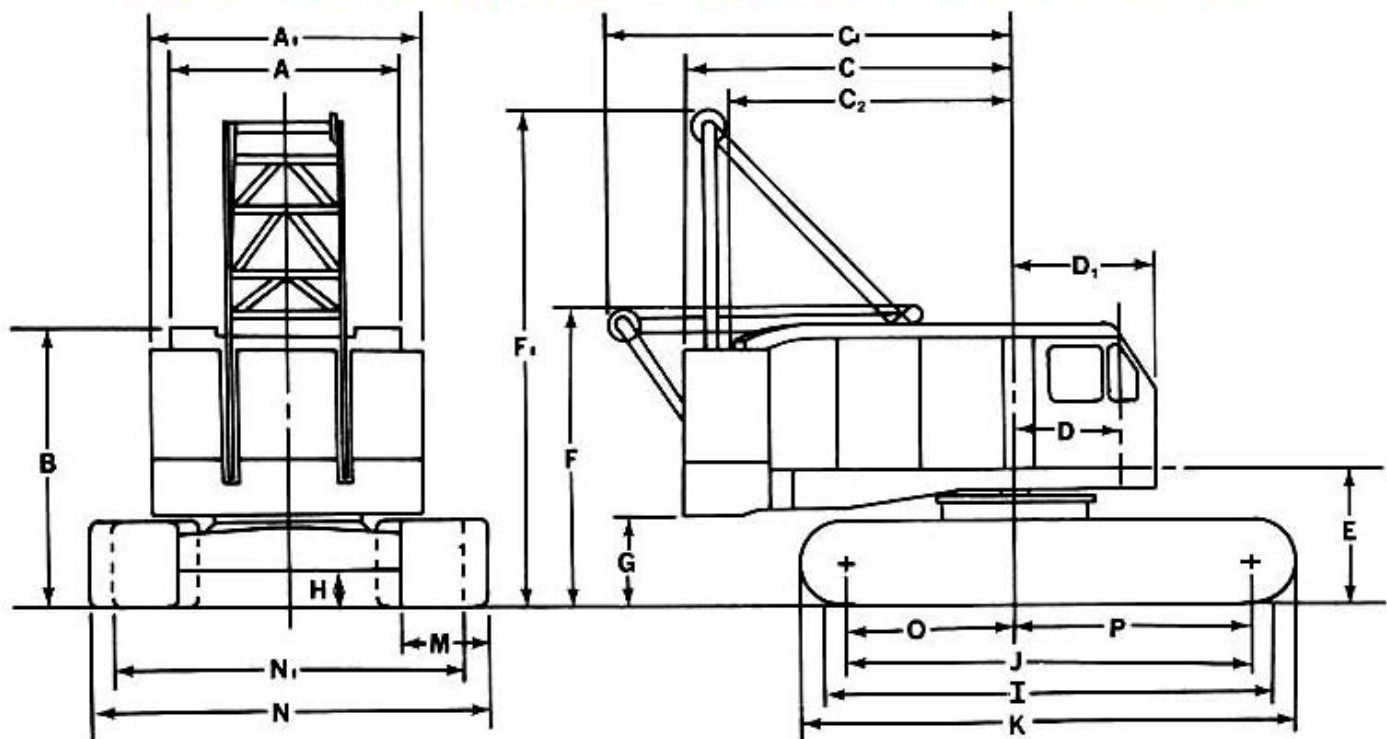
BOOM AND JIB ERECTION

92HT Boom Length		Maximum Jib Length			
Feet	Meters	No. 16HL Jib		No. 30H Jib	
		Feet	Meters	Feet	Meters
280	85.3	0	0	0	0
270	82.3	40	12.2	0	0
260	79.3	90	27.4	35	10.7
250	76.2	100	30.5	65	19.8
240	73.2	100	30.5	95	29.0

92HT BOOM COMPOSITION

Boom Length		30 Ft. (9.2 M)	20 Ft. (6.1 M)	10 Ft. (3.0 M)	50 Ft. (15.2 M)	40 Ft. (12.2 M)
Fl.	M	92HT Inner	92HT Center	92ST Center	92ST Center	92H Outer
70	21.3	1	—	—	—	1
80	24.4	1	—	—	—	1
90	27.4	1	1	—	—	1
100	30.5	1	1	1	—	1
110	33.5	1	1	2	—	1
120	36.6	1	—	—	1	1
130	39.6	1	—	1	1	1
140	42.7	1	1	—	1	1
150	45.7	1	1	1	1	1
160	48.8	1	1	2	1	1
170	51.8	1	—	—	2	1
180	54.9	1	—	1	2	1
190	57.9	1	1	—	2	1
200	61.0	1	1	1	2	1
210	64.0	1	1	2	2	1
220	67.1	1	—	—	3	1
230	70.1	1	—	1	3	1
240	73.2	1	1	—	3	1
250	76.2	1	1	1	3	1
260	79.3	1	1	2	3	1
270	82.3	1	—	—	4	1
280	85.3	1	—	1	4	1

AMERICAN MODEL 9310 CRAWLER CRANE



GENERAL DIMENSIONS

	Ft.	MM		
A. Width of cab	11'0"	3353	I. Crawler bearing length	25'6" 7772
A ₁ . Width over counterweight	13'2"	4013	J. Center to center crawler tumblers	24'2" 7366
B. Height over cab	13'7-1.8"	4143	K. Overall length of crawlers	28'2" 8585
C. Tailswing over counterweight	17'0"	5181	M. Width of tread shoes	44" 1117
C ₁ . Tailswing over A-frame, lowered	24'9"	7544	N. Overall width over crawlers —	
C ₂ . Tailswing less A-frame			Extended:	
and counterweight	14'11"	4546	With 44" (1117 mm) shoes	20'7" 6274
D. Center of pivot to center of boom foot	5'0-3/4"	1543	With 50" (1270 mm) shoes	21'1" 6428
D ₁ . Center of pivot to front			N ₁ . Overall width over crawlers —	
of cab	6'10-1/2"	2095	Retracted:	
E. Ground to center boom foot	6'9-1/8"	2060	With 44" (1117 mm) shoes	18'1" 5513
F. Height over A-frame, lowered —			With 50" (1270 mm) shoes	18'7" 5664
ctwt. on	14'8-5/8"	4486	O. Center of rotation to center of	
F ₁ . Height over A-frame, lowered —			drive tumbler	11'0-1/4" 3353
ctwt. off	14'9-7/8"	4518	P. Center of rotation to center of	
F ₂ . Height over A-frame, raised	30'3-5/8"	9236	idler tumbler	13'1-3/4" 4007
G. Ground to bottom of counterweight	4'4-3/8"	1330		
H. Minimum ground clearance under				
crawler base	1'9"	533		

WEIGHTS

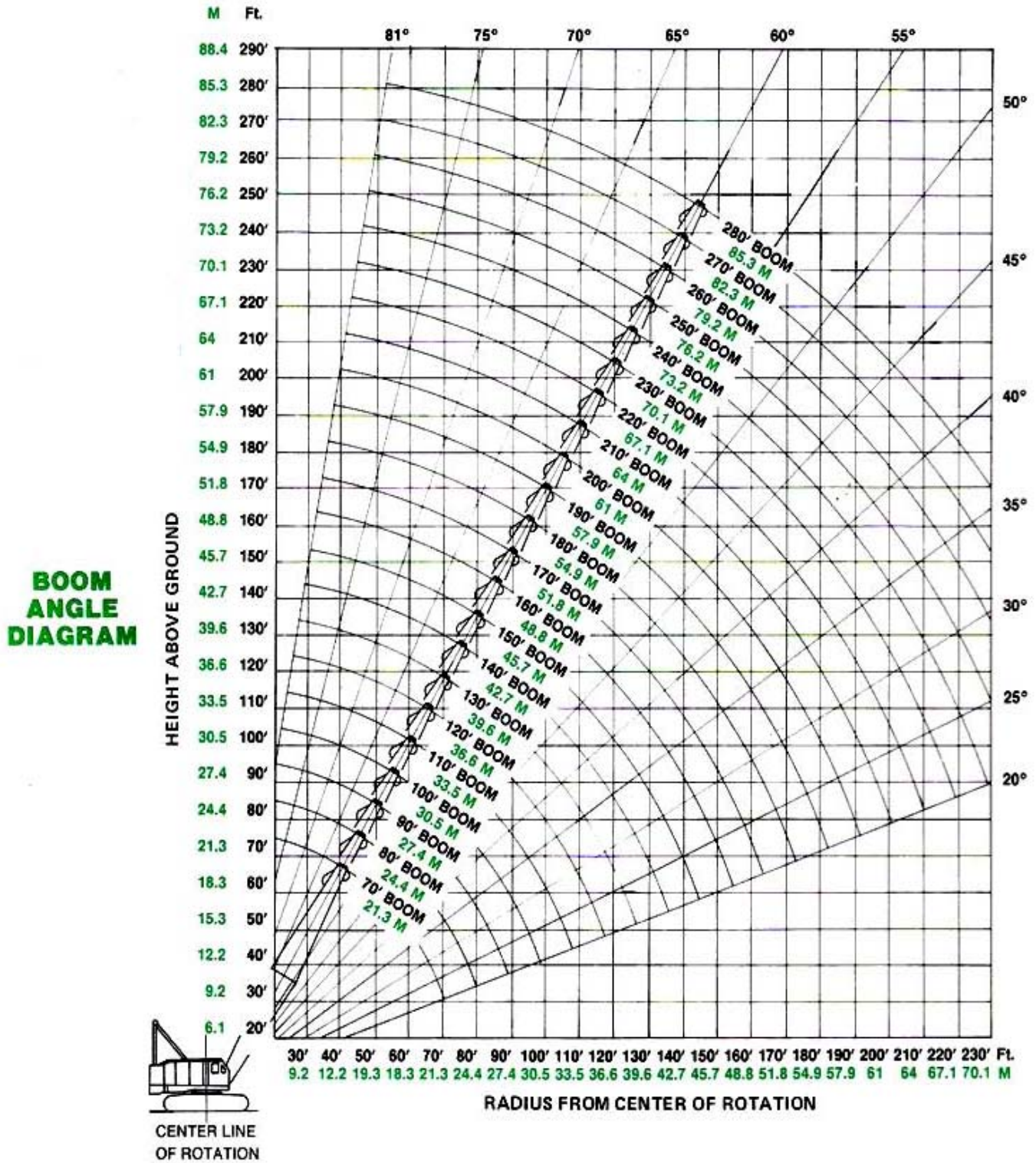
	Lbs.	Kgs.		
Lifting crane with basic 70 ft. crane boom	362,700	164520	Telescopic boom stops	300 136
Components removable for shipment:			Outer bail assembly	2,450 1111
Counterweight	135,000	61236	A-frame	5,320 2413
Boom outer	10,070	4567	Side frames, 50" (1270 mm) shoes (2)	75,300 34156
Boom inner	8,560	3882	Crawler axles (4)	13,100 5942
			Torque tubes (2)	920 417
			Carbody	28,400 12882

GROUND PRESSURE

Standard Lift Crane
 With Basic 92HT Boom
 and 44" (1117 mm) Shoes..... 13.0 PSI 9140 Kg/M²

AMERICAN MODEL 9310 CRAWLER CRANE

WORKING RANGES



Your AMERICAN distributor is with you...all the way.

Service is his middle name. He knows AMERICAN equipment inside and out...what it will do...the options available. This can help you match your equipment to your needs, and that's important.

After the purchase, he has a strong stake in keeping your AMERICAN on the job. So he maintains an inventory of genuine AMERICAN replacement parts... plus the right shop facilities and trained mechanics for speedy maintenance or repair.

Closely supporting him is the AMERICAN district representative in your area, plus a team of home-office specialists...in application engineering, sales, and service. All are deeply committed to one goal—serving you.

That's the AMERICAN way.



5M JR847

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