



amhoist

900 SERIES SKY HORSE RATINGS

MODEL 9310

RATINGS IN POUNDS With 92HT Boom and 77M Mast; 135,000 lbs. Ctw. and 138,000 lbs. Trailing Ctw.

Boom & Mast Length (Feet)	Radius in Feet	Boom Angle Degrees	Lift Over Side (Lbs.)	Lift Over End (Lbs.)	Ft From Boom Point
150' Boom & 100' Mast	27	82.2	330000	330000	154
	30	81.0	328790	328790	154
	35	79.1	269310	271000	153
	40	77.1	224170	227430	152
	50	73.1	166610	168840	149
	60	69.1	131630	133310	146
	70	64.9	108160	109500	142
	80	60.6	91040	92150	137
	90	56.1	78430	79370	131
	100	51.3	68340	69170	124
120	40.6	53620	54270	105	
140	26.5	43400	43940	75	
160' Boom & 100' Mast	28	82.3	322420	322420	164
	30	81.6	316260	316260	164
	35	79.8	268930	270240	163
	40	77.9	223780	227040	162
	50	74.2	166180	168410	160
	60	70.5	131180	132860	157
	70	66.6	107710	109050	153
	80	62.6	90570	91680	148
	90	58.5	77970	78910	143
	100	54.1	67870	68700	136
120	44.6	53120	53780	119	
140	33.0	42890	43430	95	
160	15.0	35500	35960	50	
170' Boom & 100' Mast	29	82.4	294620	294620	174
	30	82.1	293220	293220	174
	35	80.4	269020	270080	173
	40	78.6	223850	227120	172
	50	75.2	166230	168470	170
	60	71.7	131220	132900	167
	70	68.0	107750	109100	164
	80	64.4	90600	91720	159
	90	60.5	78010	78960	154
	100	56.6	67900	68730	148
120	48.0	53140	53790	133	
140	38.0	42880	43430	112	
160	24.8	35520	35990	79	
170	14.5	32430	32860	51	
180' Boom & 100' Mast	31	82.2	274480	274480	184
	35	80.9	266760	268830	183
	40	79.3	223580	226850	182
	50	76.0	165940	168180	180
	60	72.7	130940	132630	178
	70	69.3	107470	108810	174
	80	65.9	90300	91420	170
	90	62.3	77730	78680	166
	100	58.6	67610	68440	160
	120	50.8	52840	53490	146
140	41.9	42570	43110	127	
160	31.1	35240	35700	100	
180	14.1	29410	29810	52	
190' Boom & 100' Mast	32	82.3	260890	260890	194
	35	81.4	253200	253200	193
	40	79.9	223110	226390	193
	50	76.8	165460	167700	191
	60	73.6	130460	132140	188
	70	70.5	107000	108350	185
	80	67.2	89820	90930	181
	90	63.9	77260	78210	177
	100	60.5	67140	67970	172
	120	53.2	52350	53010	159
140	45.2	42070	42610	142	
160	35.8	34770	35240	119	
180	23.4	28940	29340	83	
190	13.7	26490	26870	53	

Boom & Mast Length (Feet)	Radius in Feet	Boom Angle Degrees	Lift Over Side (Lbs.)	Lift Over End (Lbs.)	Ft From Boom Point
200' Boom & 100' Mast	33	82.4	238720	238720	204
	35	81.8	227490	235980	203
	40	80.4	222800	226080	203
	50	77.4	165140	167380	201
	60	74.5	130140	131830	198
	70	71.5	106690	108030	195
	80	68.4	89500	90620	192
	90	65.3	76960	77910	188
	100	62.1	66840	67670	183
	120	55.4	52030	52960	171
140	48.0	41740	42290	155	
160	39.7	34480	34940	135	
180	29.4	28640	29050	106	
200	13.4	24020	24360	54	
210' Boom & 130' Mast	34	82.5	217840	217840	214
	35	82.2	217640	217840	214
	40	80.8	215610	215610	213
	50	78.1	163600	165840	211
	60	75.2	128770	130460	209
	70	72.4	105460	106810	206
	80	69.5	88340	89460	203
	90	66.6	75880	76840	199
	100	63.5	65790	66630	194
	120	57.2	51060	51720	183
140	50.4	40810	41350	169	
160	42.9	33610	34070	150	
180	34.0	27790	28190	125	
200	22.2	23170	23530	87	
210	13.0	21210	21550	56	
220' Boom & 130' Mast	36	82.3	194860	194860	223
	40	81.3	194860	194860	223
	50	78.6	163500	165750	221
	60	75.9	128690	130380	219
	70	73.2	105380	106730	216
	80	70.5	88250	89370	213
	90	67.7	75810	76760	210
	100	64.8	65710	66540	205
	120	58.9	50960	51620	195
	140	52.6	40700	41250	181
160	45.6	33520	33990	164	
180	37.7	27710	28110	142	
200	28.0	23090	23450	111	
220	12.7	19340	19670	57	
230' Boom & 130' Mast	37	82.4	178360	178360	223
	40	81.6	178360	178360	233
	50	79.1	163160	165410	231
	60	76.6	128350	130040	229
	70	74.0	105050	106400	227
	80	71.4	87910	89030	224
	90	68.7	75490	76440	220
	100	66.0	65390	66220	216
	120	60.4	50640	51300	206
	140	54.5	40370	40920	194
160	48.0	33210	33670	178	
180	40.9	27390	27790	158	
200	32.4	22770	23130	131	
220	21.2	19030	19350	91	
230	12.4	17390	17700	58	
240' Boom & 130' Mast	38	82.5	170030	170030	243
	40	82.0	170030	170030	243
	50	79.6	162680	164930	242
	60	77.1	127870	129560	240
	70	74.7	104580	105930	237
	80	72.2	87440	88560	234
	90	69.6	75020	75980	231
	100	67.1	64920	65760	227

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