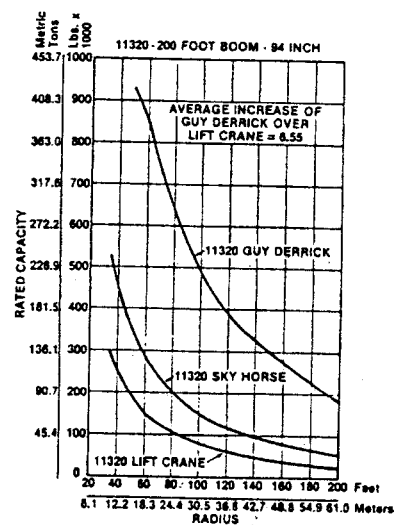
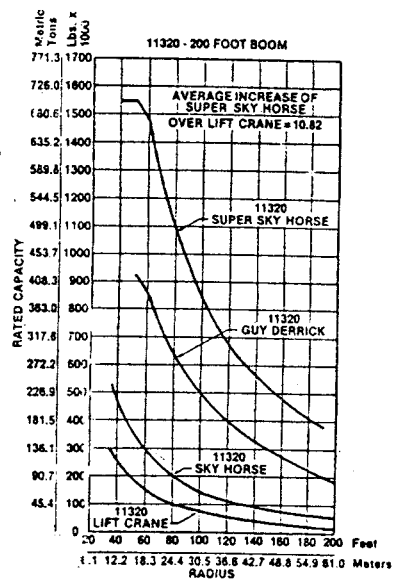
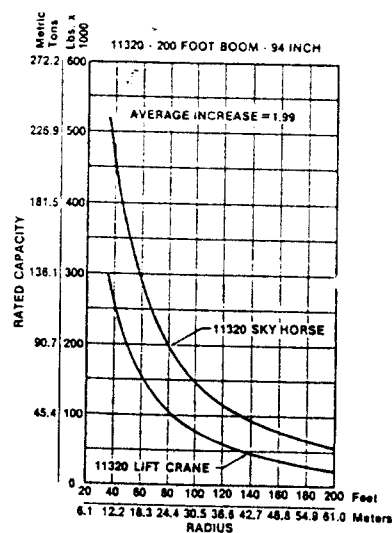
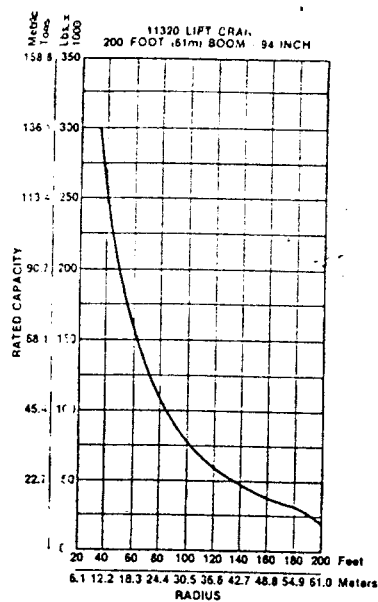
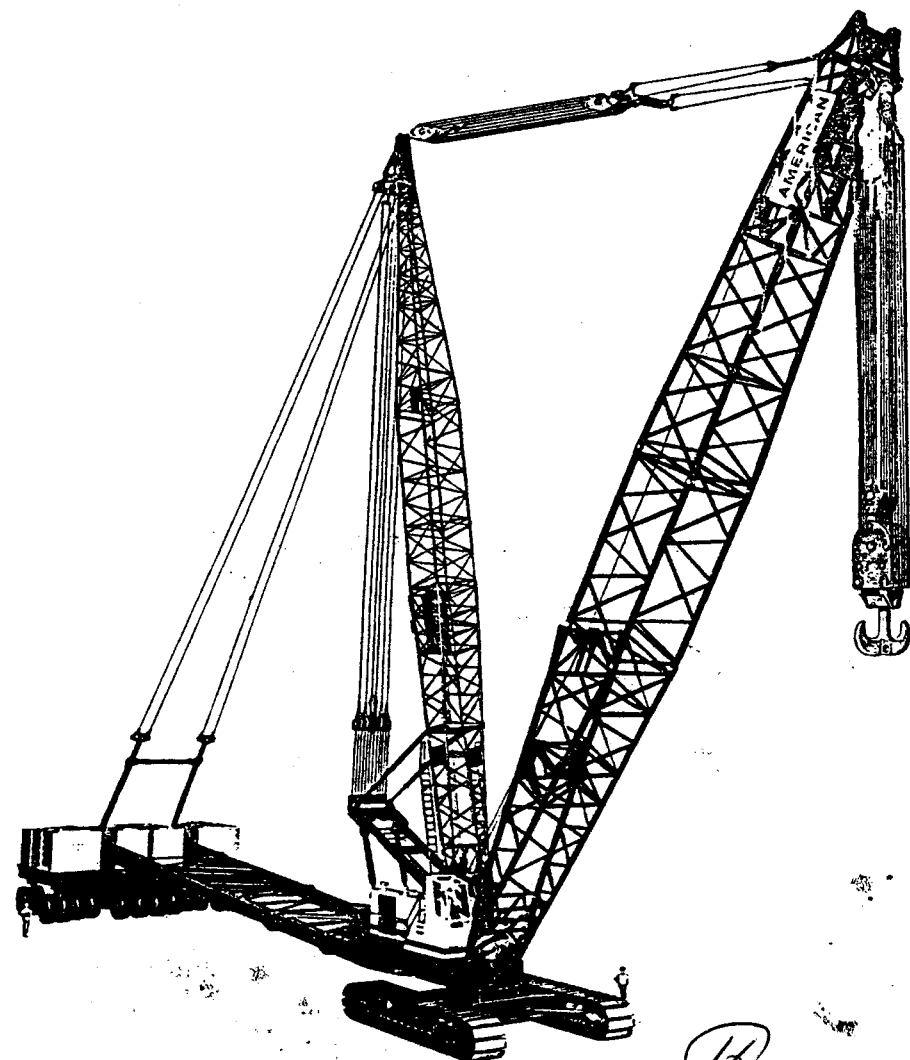






1100 SERIES SUPER SKY HORSE

MACHINE SPECIFICATIONS



R822

FORM NO. 1100-SSH-6

PRINTED IN U.S.A.

SOLD & SERVICED BY:



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

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AMERICAN HOIST & DERRICK COMPANY
AN EQUAL OPPORTUNITY EMPLOYER

16



SUPER SKY HORSE RATINGS

with 54 foot counterweight position

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
125 foot boom & 130 foot mast	27	79.72	1334530
	30	78.32	1187200
	35	75.95	995420
	40	73.56	857870
	50	66.68	665590
	60	63.61	538030
	70	58.29	448650
	80	52.63	382810
	90	46.48	329150
	100	39.58	289410
	110	31.41	254050
	120	20.34	224340

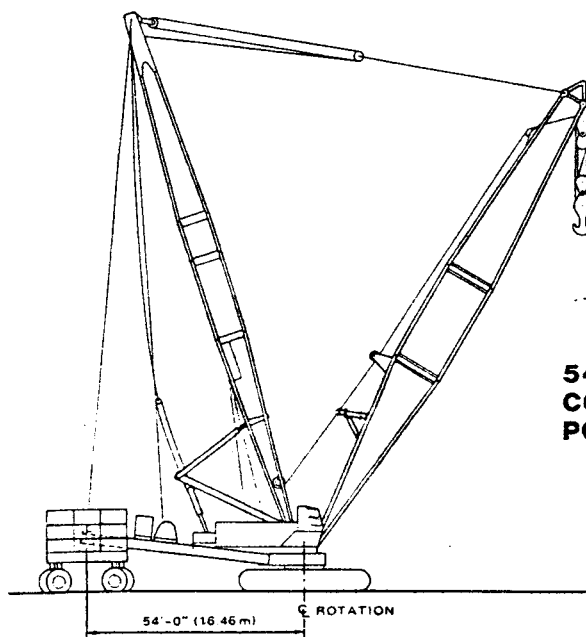
Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
150 foot boom & 130 foot mast	31	79.90	1144610
	35	78.34	995950
	40	76.38	857380
	50	72.39	663780
	60	68.30	535480
	70	64.09	445720
	80	59.71	379760
	90	55.12	325970
	100	50.24	286480
	110	44.97	251350
	120	39.13	222280
	130	32.40	199110
	140	24.00	179070

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
250 foot boom & 130 foot mast	49	79.79	663380
	50	79.56	646820
	60	77.21	516230
	70	74.85	426250
	80	72.45	359390
	90	70.02	305760
	100	67.55	266510
	110	65.03	231390
	120	62.46	202380
	130	59.83	181790
350 foot boom & 180 foot mast	140	57.12	160570
	150	54.32	142420
	160	51.42	126670
	170	48.39	112080
	180	45.21	100710
	190	41.84	93310
	200	38.23	83790
	210	34.29	74130
	220	29.89	65950
	230	24.77	58560

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
350 foot boom & 180 foot mast	66	79.91	433810
	70	79.25	399510
	80	77.57	333630
	90	75.89	284040
	100	74.19	240550
	110	72.48	205390
	120	70.75	180900
	130	69.00	156050
	140	67.23	134970
	150	65.43	116860
260 foot boom & 170 foot mast	160	63.61	101150
	170	61.76	91960
	180	59.88	83260
	190	57.95	76020
	200	55.99	69980
	210	53.98	64980
	220	51.92	60850
	230	49.79	57500
	240	47.59	54800
	250	45.32	52000
270 foot boom & 170 foot mast	260	42.94	49700
	270	40.46	46970
	280	37.84	44250
	290	35.05	41500
	300	32.15	38750

11320.74

All ratings are in compliance with applicable United States codes in effect at time of publication.



54 FT.
COUNTERWEIGHT
POSITION

SUPER SKY HORSE RATINGS

with 16.5 meter counterweight position

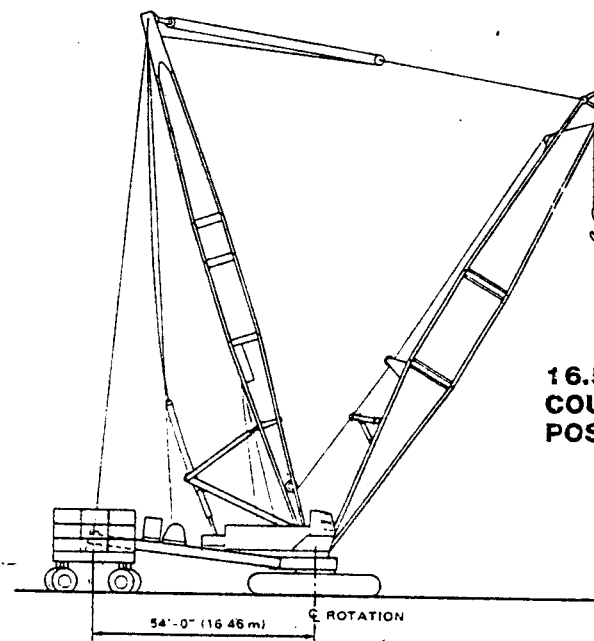
Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
38.1 meter boom & 39.6 meter mast	8.2	79.72	605340
	9.1	78.32	535510
	10.7	75.95	451520
	12.2	73.56	389130
	15.2	68.68	301910
	18.3	63.61	244050
	21.3	58.29	203510
	24.4	52.63	173640
	27.4	46.48	149300
	30.5	39.58	131280
	33.5	31.41	115240
	36.6	20.34	101760

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
45.7 meter boom & 39.6 meter mast	9.4	79.90	519200
	10.7	78.34	451760
	12.2	76.38	388910
	15.2	72.39	301090
	18.3	68.30	242890
	21.3	64.09	202150
	24.4	59.71	172260
	27.4	55.12	147860
	30.5	50.24	129950
	33.5	44.97	114010
	36.6	39.13	100830
	39.6	32.40	90320
	42.7	24.00	81230

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
76.2 meter boom & 39.6 meter mast	14.9	79.79	300910
	15.2	79.56	293400
	18.3	77.21	234430
	21.3	74.85	193350
	24.4	72.45	163290
	27.4	70.02	138690
	30.5	67.55	120910
	33.5	65.03	104950
	36.6	62.46	91800
	39.6	59.83	82420
106.7 meter boom & 54.9 meter mast	42.7	57.12	72830
	45.7	54.32	64600
	48.8	51.42	57460
	51.8	48.39	51200
	54.9	45.21	45680
	57.9	41.84	42330
	61.0	38.23	37730
	64.0	34.29	33625
	67.1	29.89	29910
	70.1	24.77	26560

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
106.7 meter boom & 54.9 meter mast	20.1	79.91	196770
	21.3	79.25	181220
	24.4	77.57	151330
	27.4	75.89	128840
	30.5	74.19	109110
	33.5	72.48	93160
	36.6	70.75	82060
	39.6	69.00	70780
	42.7	67.23	61220
	45.7	65.43	53010
136.7 meter boom & 70.1 meter mast	48.8	63.61	45880
	51.8	61.76	41710
	54.9	59.88	37950
	57.9	57.95	34580
	61.0	55.99	31600
	64.0	53.98	29020
	67.1	51.92	26750
	70.1	49.79	24700
	73.2	47.59	22750
	76.2	45.32	20900
166.7 meter boom & 85.3 meter mast	79.2	42.94	19850
	82.3	40.46	18100
	85.3	37.84	16500
	88.4	35.05	15000
	91.4	32.15	13600

All ratings are in compliance with applicable United States codes in effect at time of publication.



16.5 m
COUNTERWEIGHT
POSITION



SUPER SKY HORSE RATINGS

with 73 foot counterweight position

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating (Lbs.)
125 foot boom & 130 foot mast	27	79.72	1856110
	30	78.32	1651570
	35	75.95	1390260
	40	73.56	1200160
	50	68.68	937210
130 foot boom & 130 foot mast	60	63.61	764370
	70	58.29	640880
	80	52.63	549410
	90	46.48	479020
	100	39.58	420760
110 foot boom & 130 foot mast	110	31.41	375200
	120	20.34	334750

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating (Lbs.)
250 foot boom & 130 foot mast	49	79.79	947830
	50	79.56	925240
	60	77.21	748850
	70	74.85	622980
	80	72.45	530280
300 foot boom & 130 foot mast	90	70.02	459460
	100	67.55	400550
	110	65.33	355780
	120	62.16	315980
	130	59.83	285690
350 foot boom & 180 foot mast	140	57.12	256920
	150	54.32	232160
	160	51.42	210630
	170	48.39	194750
	180	45.21	177740
400 foot boom & 180 foot mast	190	41.84	162610
	200	38.23	149080
	210	34.29	136920
	220	29.89	125920
	230	24.77	115950

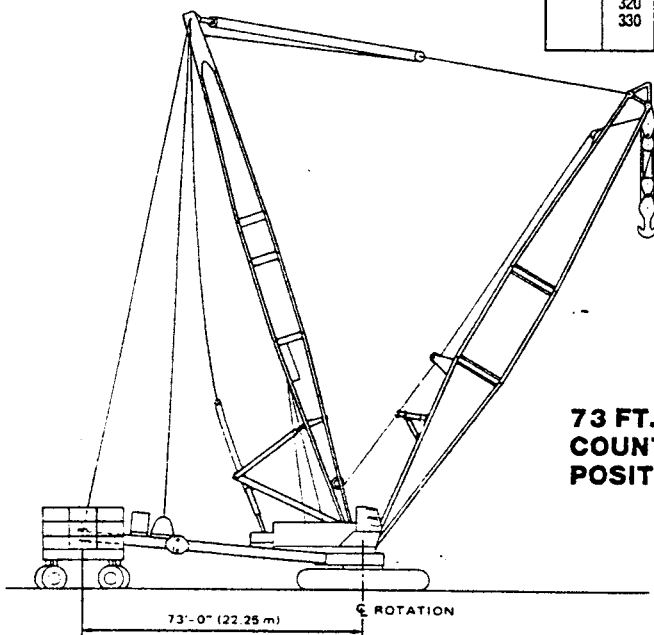
Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating (Lbs.)
350 foot boom & 180 foot mast	66	79.91	598920
	70	79.25	591600
	80	77.57	499950
	90	75.89	430020
	100	74.19	375300
425 foot boom & 180 foot mast	110	72.48	327410
	120	70.75	291830
	130	69.00	258220
	140	67.23	229640
	150	65.43	205040
500 foot boom & 180 foot mast	160	63.61	187460
	170	61.76	168360
	180	59.88	151490
	190	57.95	136490
	200	55.99	123070
600 foot boom & 180 foot mast	210	53.98	111000
	220	51.92	100080
	230	49.79	93780
	240	47.59	84400
	250	45.32	75830
700 foot boom & 180 foot mast	260	42.94	67970
	270	40.46	60740
	280	37.84	54070
	290	35.05	47900
	300	32.05	42190
800 foot boom & 180 foot mast	310	28.77	36900
	320	25.09	31980
	330	20.80	27430

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating (Lbs.)
425 foot boom & 180 foot mast	79	79.93	376030
	80	79.80	376030
	90	78.42	376030
	100	77.04	354940
	110	75.65	306820
500 foot boom & 180 foot mast	120	74.25	271360
	130	72.84	237610
	140	71.42	208920
	150	69.99	188670
	160	68.54	166840
600 foot boom & 180 foot mast	170	67.08	147700
	180	65.61	130820
	190	64.11	115810
	200	62.60	102390
	210	61.06	94790
700 foot boom & 180 foot mast	220	59.51	83490
	230	57.92	73240
	240	56.31	63930
	250	54.66	55410
	260	52.99	47610
800 foot boom & 180 foot mast	270	51.27	40440
	280	49.51	33830
	290	47.70	27720
	300	45.84	22060
900 foot boom & 180 foot mast	310	43.91	16800
	320	41.92	11920
	330	39.84	7370
	340	37.67	3130

11320.75

All ratings are in compliance with applicable United States codes in effect at time of publication.

73 FT.
COUNTERWEIGHT
POSITION



SUPER SKY HORSE RATINGS

with 22.3 meter counterweight position

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
38.1 meter boom & 39.6 meter mast	8.2	79.72	81930
	9.1	78.32	749150
	10.7	75.95	620620
	12.2	73.56	54390
	15.2	68.68	425120
76.2 meter boom & 39.6 meter mast	18.3	63.61	346720
	21.3	58.29	293700
	24.4	52.63	249210
	27.4	46.48	211280
	30.5	39.58	190860
106.7 meter boom & 54.9 meter mast	33.5	31.41	170190
	36.6	20.34	151840

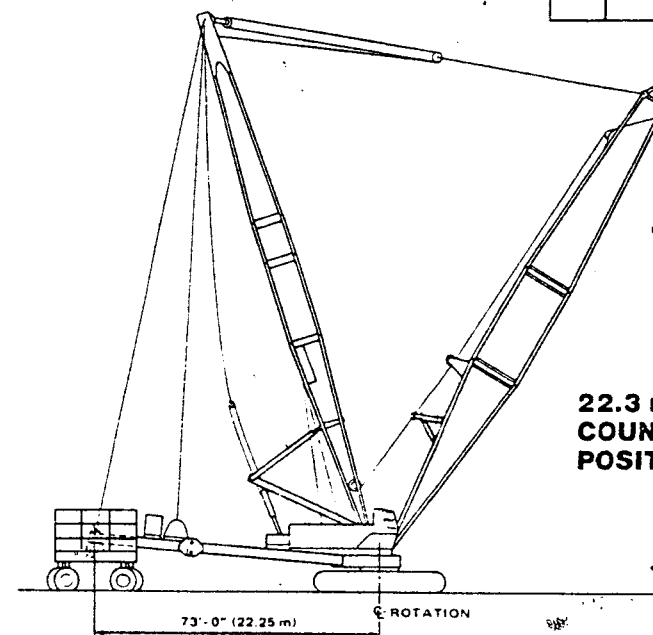
Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
76.2 meter boom & 39.6 meter mast	14.9	79.79	429940
	15.2	79.56	419690
	18.3	77.21	339680
	21.3	74.85	282580
	24.4	72.45	240540
106.7 meter boom & 54.9 meter mast	27.4	70.02	208410
	30.5	67.55	181690
	33.5	65.03	161380
	36.6	62.46	143330
	39.6	59.83	129590
129.5 meter boom & 54.9 meter mast	42.7	57.12	116540
	45.7	54.32	105310
	48.8	51.42	95540
	51.8	48.39	88340
	54.9	45.21	80620
152.4 meter boom & 54.9 meter mast	57.9	41.84	73760
	61.0	38.23	67620
	64.0	34.29	62110
	67.1	29.89	57120
	70.1	24.77	52590

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
106.7 meter boom & 54.9 meter mast	20.1	79.91	271670
	21.3	79.25	268350
	24.4	77.57	226780
	27.4	75.89	195060
	30.5	74.19	170240
129.5 meter boom & 54.9 meter mast	33.5	72.48	148510
	36.6	70.75	132370
	39.6	69.00	117130
	42.7	67.23	104160
	45.7	65.43	93010
152.4 meter boom & 54.9 meter mast	48.8	63.61	85030
	51.8	61.76	76370
	54.9	59.88	68720
	57.9	57.95	61910
	61.0	55.99	55820
177.8 meter boom & 54.9 meter mast	64.0	53.98	50350
	67.1	51.92	45400
	70.1	49.79	42540
	73.2	47.59	38280
	76.2	45.32	34400
201.3 meter boom & 54.9 meter mast	79.2	42.94	30830
	82.3	40.46	27550
	85.3	37.84	24530
	88.4	35.05	21730
	91.4	32.05	19140
225.3 meter boom & 54.9 meter mast	94.5	28.77	16740
	97.5	25.09	14510
	100.6	20.80	12440

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
129.5 meter boom & 54.9 meter mast	24.1	79.93	17
	24.4	79.80	17
	27.4	78.42	17
	30.5	77.04	16
	33.5	75.65	13
152.4 meter boom & 54.9 meter mast	36.6	74.25	12
	39.6	72.84	10
	42.7	71.42	9
	45.7	69.99	8
	48.8	68.54	7
177.8 meter boom & 54.9 meter mast	51.8	67.08	6
	54.9	65.61	5
	57.9	64.11	5
	61.0	62.60	4
	64.0	61.06	4
201.3 meter boom & 54.9 meter mast	67.1	59.51	3
	70.1	57.92	3
	73.2	56.31	2
	76.2	54.66	2
	79.2	52.99	2
225.3 meter boom & 54.9 meter mast	82.3	51.27	1
	85.3	49.51	1
	88.4	47.70	1
	91.4	45.84	1
	94.5	43.91	1
249.3 meter boom & 54.9 meter mast	97.5	41.92	1
	100.6	39.84	1
	103.6	37.67	1

All ratings are in compliance with applicable United States codes in effect at time of publication.

22.3 m
COUNTERWEIGHT
POSITION





SUPER SKY HORSE RATINGS

with 111 foot counterweight position

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
125 foot boom & 125 foot mast	27 30 35 40 50	79.72 78.32 75.05 71.56 66.61	2000000 2000000 2000000 1890050 1490010

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
300 foot boom & 100 foot mast	40 50	79.70 70.56	1109510 1109510
	60 70 80 90 100	77.21 74.64 71.46 67.09 61.66	1173690 1022790 870700 767740 678260
	110 120 130 140 150	68.03 65.46 62.63 59.12 54.32	606090 648100 494780 452440 414100
	160 170 180 190 200	51.42 48.30 45.21 41.84 38.23	383210 353770 327720 304520 285770
	210 220 230	34.29 29.89 24.77	266840 249680 234070

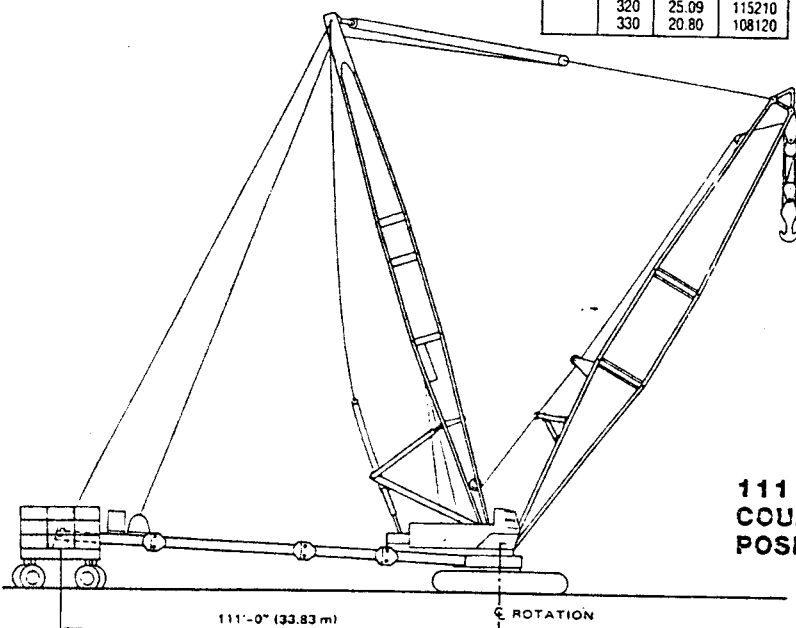
Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
350 foot boom & 180 foot mast	60 70 80 90 100	79.31 70.25 71.57 70.09 74.10	609910 609910 609910 609910 609910
	110 120 130 140 150	72.48 70.78 69.00 67.23 65.43	674090 613170 485050 421170 386510
	160 170 180 190 200	63.61 61.76 59.88 57.95 55.99	353370 324270 298520 278550 257800
	210 220 230 240 250	53.98 51.92 49.79 47.59 45.32	239120 222210 206830 195640 182570
	260 270 280 290 300	42.94 40.46 37.84 35.05 32.05	170570 159510 149270 139800 131000

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
500 foot boom & 180 foot mast	92 100	79.95 79.01	241690 241690
	110 120 130 140 150	77.84 76.66 75.48 74.29 73.10	241140 240550 240010 239320 238580
	160 170 180 190 200	71.89 70.68 69.46 68.23 66.98	237760 236890 235960 234970 217280
	210 220 230 240 250	65.73 64.46 63.18 61.89 60.58	198480 185530 169860 155570 142500
	260 270 280 290 300	59.25 57.90 56.53 55.14 53.72	130490 119420 109180 99710 94850

11320 77

All ratings are in compliance with applicable United States codes in effect at time of publication.

111 FT.
COUNTERWEIGHT
POSITION



SUPER SKY HORSE RATINGS

with 33.8 meter counterweight position

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
38.1 meter boom & 39.6 meter mast	8.2 9.1 10.7 12.2 15.2	79.72 78.32 75.95 73.56 68.68	907200 907200 907200 861410 675870

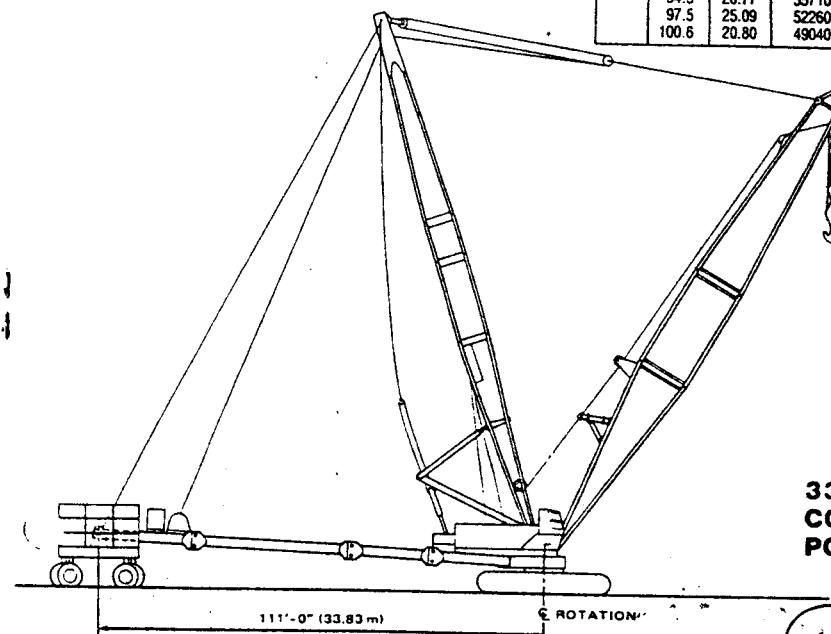
Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
76.2 meter boom & 39.6 meter mast	14.9 15.2	79.79 79.56	542280 542280
	18.3 21.3 24.4 27.4 30.5	77.21 74.85 72.45 70.02 67.55	532380 463940 399050 348250 308110
	33.5 36.6	65.03 62.46	274470 247710
	39.6 42.7 45.7	59.83 57.12 54.32	224210 205230 187890
	48.8 51.8 54.9 57.9 61.0	51.42 48.39 45.21 41.84 38.23	173820 163470 148630 138130 129630

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
106.7 meter boom & 54.9 meter mast	20.1 21.3 24.4 27.4 30.5	79.91 79.25 77.57 75.89 74.19	271940 271940 271940 271930 271940
	33.5 36.6 39.6 42.7 45.7	72.48 70.75 69.00 67.23 65.43	260410 232770 210950 191040 175320
	48.8 51.8 54.9 57.9 61.0	63.61 61.76 59.88 57.95 55.99	160290 147060 135410 126350 116940
	64.0 67.1 70.1 73.2 76.2	53.98 51.92 49.79 47.59 45.32	108460 100790 93820 88740 82810
	79.2 82.3 85.3 88.4 91.4	42.94 40.46 37.84 35.05 32.05	77370 72350 67710 63410 59420

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
152.4 meter boom & 54.9 meter mast	28.0 30.5	79.95 79.01	109630 109630
	33.5 36.6 39.6 42.7 45.7	77.84 76.66 75.48 74.29 73.10	109630 109160 108870 108560 108220
	48.8 51.8 54.9 57.9 61.0	71.89 70.68 69.46 68.23 66.98	107850 107450 107030 106580 98560
	64.0 67.1 70.1 73.2 76.2	65.73 64.46 63.18 61.89 60.58	90030 84160 77050 70570 64640
	79.2 82.3 85.3 88.4 91.4	59.25 57.90 56.53 55.14 53.72	59190 54170 49520 45230 43020

All ratings are in compliance with applicable United States codes in effect at time of publication.

33.8 m
COUNTERWEIGHT
POSITION



19



SUPER SKY HORSE RATINGS

with 130 foot counterweight position

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
175 foot boom & 130 foot mast	27	79.72	2100000
	30	78.12	2000000
	35	75.94	2000000
	40	73.86	2000000
	50	68.68	1788070
	60	63.61	1486380
	70	58.79	1258430
	80	54.63	1070780
	90	48.48	810670
	100	44.48	610510

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
250 foot boom & 130 foot mast	40	79.70	1195410
	50	78.50	1195110
	60	77.21	1173920
	70	74.85	1142630
	80	72.45	1021040
	90	70.02	928440
	100	67.55	824360
	110	65.03	738700
	120	62.46	668020
	130	59.83	606440

Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
350 foot boom & 180 foot mast	60	79.91	599780
	70	79.25	599780
	80	77.57	599780
	90	75.89	599770
	100	74.19	599780
	110	72.48	598610
	120	70.75	597240
	130	69.00	574670
	140	67.23	522690
	150	65.43	480770

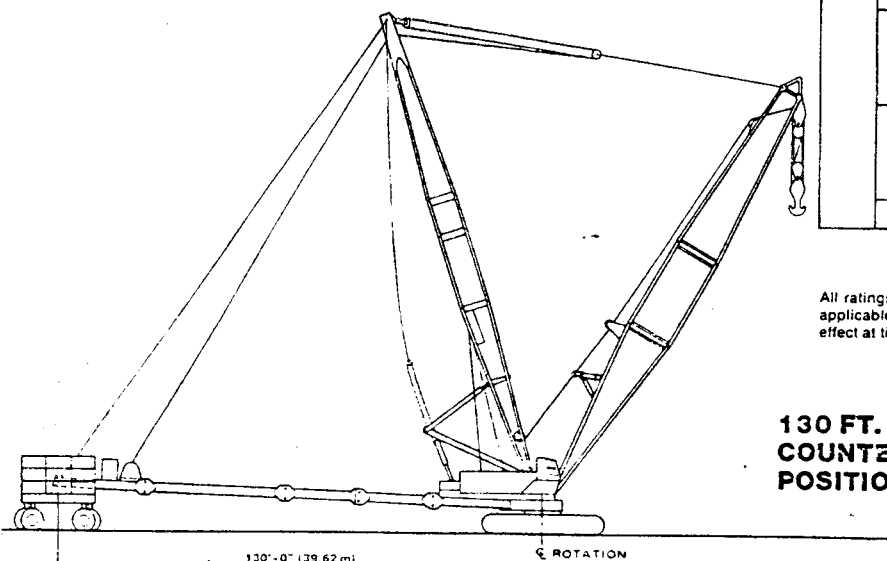
Boom and Mast Length	Radius In Feet	Boom Angle Degrees	Crane Lift Rating Length
500 foot boom & 180 foot mast	92	79.95	241770
	100	79.01	241770
	110	77.84	241250
	120	76.66	240780
	130	75.48	240260
	140	74.29	239530
	150	73.10	238810
	160	71.89	238010
	170	70.68	237170
	180	69.46	236270

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
38.1 meter boom & 54.9 meter mast	8.2	79.72	907200
	9.1	73.32	907200
	10.7	75.95	907200
	12.2	73.56	907200
	15.2	68.68	809710
	18.3	63.61	664680
	21.3	58.29	561930
	24.4	52.63	485710
	27.4	46.48	426210
	30.5	39.58	376730

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
76.2 meter boom & 39.6 meter mast	14.9	79.79	542240
	15.2	79.56	542240
	18.3	77.21	532490
	21.3	74.55	518300
	24.4	72.45	464500
	27.4	70.02	421140
	30.5	67.55	373930
	33.5	65.03	335070
	36.6	62.46	303010
	39.6	59.83	275080

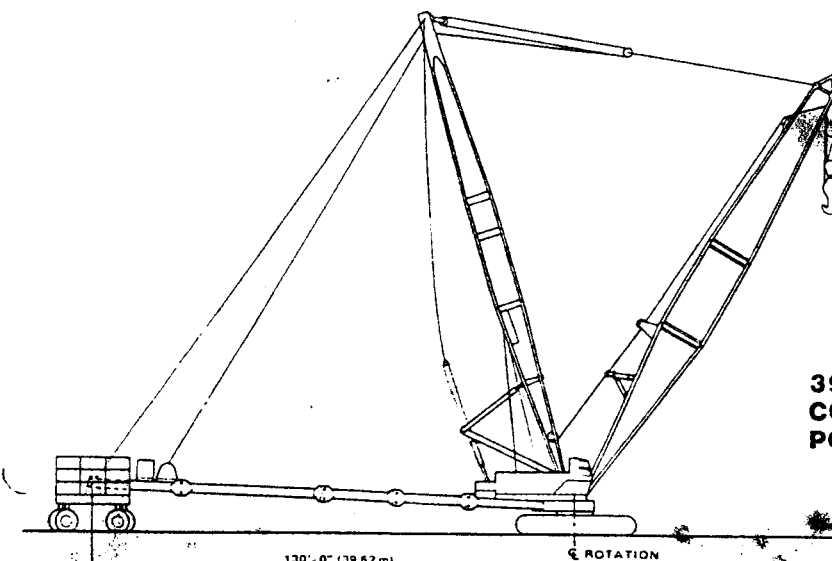
Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
106.7 meter boom & 54.9 meter mast	20.1	79.91	272060
	21.3	79.25	272060
	24.4	77.57	272060
	27.4	75.89	272060
	30.5	74.19	272060
	33.5	72.48	271530
	36.6	70.75	270910
	39.6	69.00	260670
	42.7	67.23	237090
	45.7	65.43	218080

Boom and Mast Length	Radius In Meters	Boom Angle Degrees	Crane Lift Rating (Kg.)
152.4 meter boom & 54.9 meter mast	28.0	79.95	179.01
	30.5	79.01	179.01
	33.5	77.84	179.01
	36.6	76.66	179.01
	39.6	75.48	179.01
	42.7	74.29	179.01
	45.7	73.10	179.01
	48.8	71.89	179.01
	51.8	70.68	179.01
	54.9	69.46	179.01



130 FT.
COUNTERWEIGHT
POSITION

All ratings are in compliance with applicable United States codes in effect at time of publication.



39.6 m
COUNTERWEIGHT
POSITION

All ratings are in compliance with applicable United States codes in effect at time of publication.

**SUPER SKY HORSE RATINGS**

130H Boom — 94H Mast — 94H Jib

150 ft. (45.7m) Boom — 70 ft. (21.3m) Jib

Radius		10° Jib Offset		25° Offset		40° Offset	
Radius	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle
150	77.3°	928340	77.3°	928340	58.8°	134810	58.8°
160	66.9°	181970	66.9°	181970	58.8°	123380	58.8°
170	58.7°	197780	58.7°	197780	58.8°	61150	58.8°

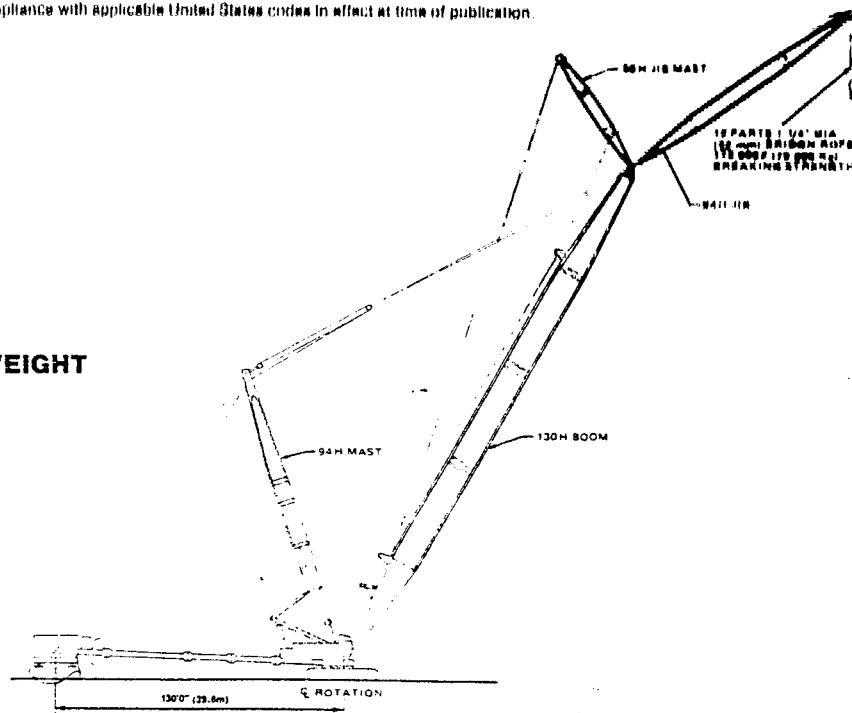
175 ft. (53.3m) Boom — 94H Jib

Radius		10° Jib Offset		25° Offset		40° Offset	
Radius	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle
175	79.9°	204830	79.9°	204830	58.8°	105080	58.8°
180	74.3°	204830	74.3°	204830	58.8°	97710	58.8°
190	69.1°	204820	69.1°	204820	58.8°	44321	58.8°
200	63.8°	204820	63.8°	204820	58.8°	41713	58.8°
210	58.6°	176080	58.6°	176080	58.8°		58.8°
220	51.7°	132410	51.7°	132410	58.8°		58.8°

400 ft. (121.9m) Boom — 200 ft. (60.9m) Jib

Radius		10° Jib Offset		25° Offset		40° Offset	
Radius	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle
400	79.9°	142770	79.9°	142770	58.8°	90340	58.8°
430	74.3°	142690	74.3°	142690	58.8°	84520	58.8°
460	69.1°	142690	69.1°	142690	58.8°	78160	58.8°
490	63.8°	141330	63.8°	141330	58.8°	73290	58.8°
520	58.2°	121420	58.2°	121420	58.8°		58.8°
550	52.1°	88920	52.1°	88920	58.8°		58.8°

All ratings are in compliance with applicable United States codes in effect at time of publication.

**130 FT.
COUNTERWEIGHT
POSITION****CRANE RATING DATA**

Load ratings are in full compliance with applicable U.S. regulations in effect at time of publication. Ratings are in pounds (kilograms) and do not exceed 75% of the load which would cause tipping (i.e. trailing counterweight lifting off ground) with the crane standing level on firm uniformly supporting surface. Radius in feet (meters) is the horizontal distance at ground level from the center pin to a vertical line through the center of gravity of the suspended load. Blocks, slings, chokers and other load carrying devices are considered part of the load. All ratings allow full 360 degree swing with load. Safe load handling depends on ground conditions, boom lengths, radius of operation, wind conditions and proper operating techniques, all of which must be taken into consideration by the user.

PERFORMANCE SPECIFICATIONS.**LINE SPEEDS AND PULLS.****SINGLE LINE SPEED:****Main Hoist (Front Drum):**

Nominal Rating	155 FPM 47.244 MPM
High Speed Rating	275 FPM 83.82 MPM

Auxiliary Hoist (Rear Drum):

Nominal Rating	155 FPM 47.244 MPM
High Speed Rating	275 FPM 83.82 MPM
Winch Drum (8th layer)	100 FPM 30.48 MPM

SINGLE LINE PULL:**Main Hoist (Front Drum):**

Nominal Rating	SLP 60,000 lbs. 27220 Kg
High Speed Rating	SLP 30,700 lbs. 13930 Kg

Auxiliary Hoist (Rear Drum):

Nominal Rating	SLP 60,000 lbs. 27220 Kg
High Speed Rating	SLP 30,700 lbs. 13930 Kg
Winch Drum	SLP 78,000 lbs. 35380 Kg

TRAVEL:

Walking on job site without load on level surface
 Maximum speed is .71 MPH (1.142 KmPH) high range.
 Maximum speed is .38 MPH (.611 KmPH) intermediate range.
 Maximum speed is .15 MPH (.241 KmPH) low range.

Walking on job site without load on grades up to 5%
 Maximum speed is .66 MPH (1.06194 KmPH).

Walking on job site on grades in excess of 5% is allowed only with concrete slabs removed from trailing counterweight. Maximum grade allowed is 10%.

Walking with load:

The Super Sky Horse is capable of traveling with rated loads "straight forward and reverse" in low range. Crane cannot turn with load when traveling with maximum rated capacities. Load must be suspended directly over the front of the machine and the surface must meet the level and stability requirements of "work site preparation".

Simultaneous swing and travel is not possible. Travel with load in positions other than over the end of the crawlers is not allowed.

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**WORK SITE PREPARATIONS.****CRAWLER WORKING AREA.**

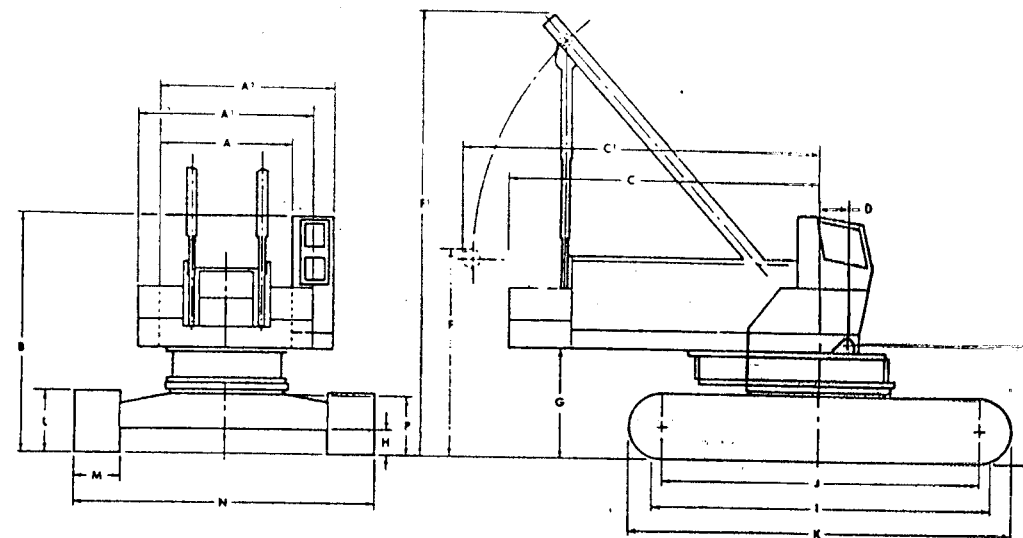
All areas of operation under the crawler tracks must provide a firm uniformly supporting surface. This can be accomplished simply through the use of hardwood crane mats. Such mats should extend a minimum of 2 ft. (6m) beyond the crawler tracks in all directions at all times to provide proper load distribution. For poor soil conditions, a concrete slab may be necessary. The operating surface for the crawler must be level within one inch (25mm) and have sufficient stability to remain within this tolerance when subjected to a maximum total load of 3,310,000 lbs. (1,502 metric tons) acting at a point 11 ft. (3.4 m) behind the machine centerline of rotation. This loading is equivalent to a maximum bearing pressure of 135 psi. (9.5 Kg/cm²) directly under the 60 in. (1,524mm) crawler shoes when handling 2,000,000 lbs.

TRAILING COUNTERWEIGHT WORKING AREA.

All areas of operation of the trailing counterweight module must be level within ± 6 in. (152mm) of the crawler operating surface. The soil must be capable of maintaining this degree of levelness when subjected to a total load of 920,000 lbs. (418 metric tons). This is equivalent to a bearing pressure under the tires of 100 psi. (Air pressure in the tires) (7.0 Kg/cm²). If only swinging is foreseen during a lift with the trailing counterweight in the rearmost position, a 25 ft. (7.6m) wide path is required for the trailing counterweight. The extreme outside radius of this path is 143 ft. (43.6m).

SUPER SKY HORSE ERECTION PROCEDURE.

- 1) Disconnect propel hoses and remove the hydraulic swivel from the upper deck. A second swivel is available as an option.
- 2) Remove the 11320 upper deck from the swing bearing.
- 3) Bolt the boom foot adaptor to the swing bearing on top of the crawler lowerworks and install the swivel in the adaptor.
- 4) Bolt the upper deck to the top of the boom foot adaptor. Secure the front of the deck with the eccentric link in the standard boom foot ears.
- 5) Attach propel hose extensions from the upper deck to the swivel.
- 6) With outside assistance, assemble 125,000 lb. (56.7 metric ton) counterweight on the rear of the crane and secure.
- 7) With outside assistance, pin the 94 in. (238.76 cm) mast into the upper boom foot on the upper deck. Set retractable A-frame in Sky Horse position. Reeve the mast suspension ropes and attach pendants.
- 8) Raise the mast about 8 ft. (2.4m) above the ground, attach, and reeve the boom suspension blocks.
- 9) Using outside assistance, assemble the trailing counterweight bed behind the crane. Connect the counterweight pendants to the tip and allow them to hang alongside the mast.
- 10) Attach the trailing counterweight connecting arms to the trailing counterweight bed. Block this section of arms up and add the desired number of arm extension sections blocking each up. Install facings along with arm sections.
- 11) With outside assistance, attach the inner section of the trailing counterweight arms to the boom foot adaptor.
- 12) Connect the previously assembled trailing counterweight arms to the arms on the boom foot adaptor.
- 13) Using outside assistance, install and secure the trailing counterweight ballast on the bed. Also, install and secure the engine and winch package. Connect all hydraulic, electrical and control lines.
- 14) Connect the boom suspension pendants to the outer luff block equalizers. Reeve the boom suspension line back to the winch package.
- 15) Raise the mast high enough to clear the boom and install boom inner in boom foot adaptor. Using outside assistance, assemble the boom length required to the boom inner.
- 16) Connect the boom suspension pendants to the boom tip.
- 17) Raise the mast by taking up on the mast suspension lines and paying out on the boom suspension lines until the shock absorbing mast stops can be pinned into place. Trailing counterweight pendants must be held to the side to prevent damage to the machinery cab as the mast goes past vertical.
- 18) Connect the trailing counterweight pendants to the trailing counterweight. Pay out on mast suspension and take up on boom suspension to bring the mast forward until the pins for the mast stops can be inserted in the proper holes.
- 19) Pay out on the mast suspension line until the outer bail hangs considerably slack. This line must remain slack whenever loads are being handled.
- 20) Install the boom stop bumpers.
- 21) Raise the boom tip clear of the ground and attach and reeve the load tackle.

1100 SUPER SKY HORSE**GENERAL DIMENSIONS**

	Ft.	M
A. Width of cab	11'4"	3.454 M
A ¹ . Width over counterweight	15'0"	4.572 M
A ² . Width of cab over extended elevated operator's cab	15'1"	4.597 M
B. Height over cab	20'10 1/4"	6.350 M
C. Tailswing	27'8 3/4"	8.442 M
C ¹ . Tailswing with A-frame lowered	34'2 1/4"	10.416 M
D. Center of pivot to center of crane boom foot	1'9"	.533 M
E. Ground to center of crane boom foot	9'11"	3.019 M
F. Height over A-frame in retracted position	17'6 1/4"	5.340 M
F ¹ . Height over A-frame in raised position	37'11 1/4"	11.563 M
G. Ground to bottom of counterweight	8'11 1/4"	2.724 M
H. Ground clearance under carbody	1'11"	.584 M
I. Crawler bearing length	29'9"	9.067 M
J. Center to center crawler tumblers	28'0 1/4"	8.557 M
K. Overall length of crawlers	33'0"	10.058 M
L. Height of crawler track	5'2"	1.574 M
M. Width of tread shoes	60"	1.524 M
N. Overall width over crawlers, 60" shoes	26'9"	8.153 M
P. Ground to bottom of turntable bearing	4'11 1/4"	1.515 M

*NOTE: Tailswing with Super Sky Horse Attachment varies according to length of stinger.
Maximum tailswing with Super Sky Horse II is 141'7" (43.154 M).

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