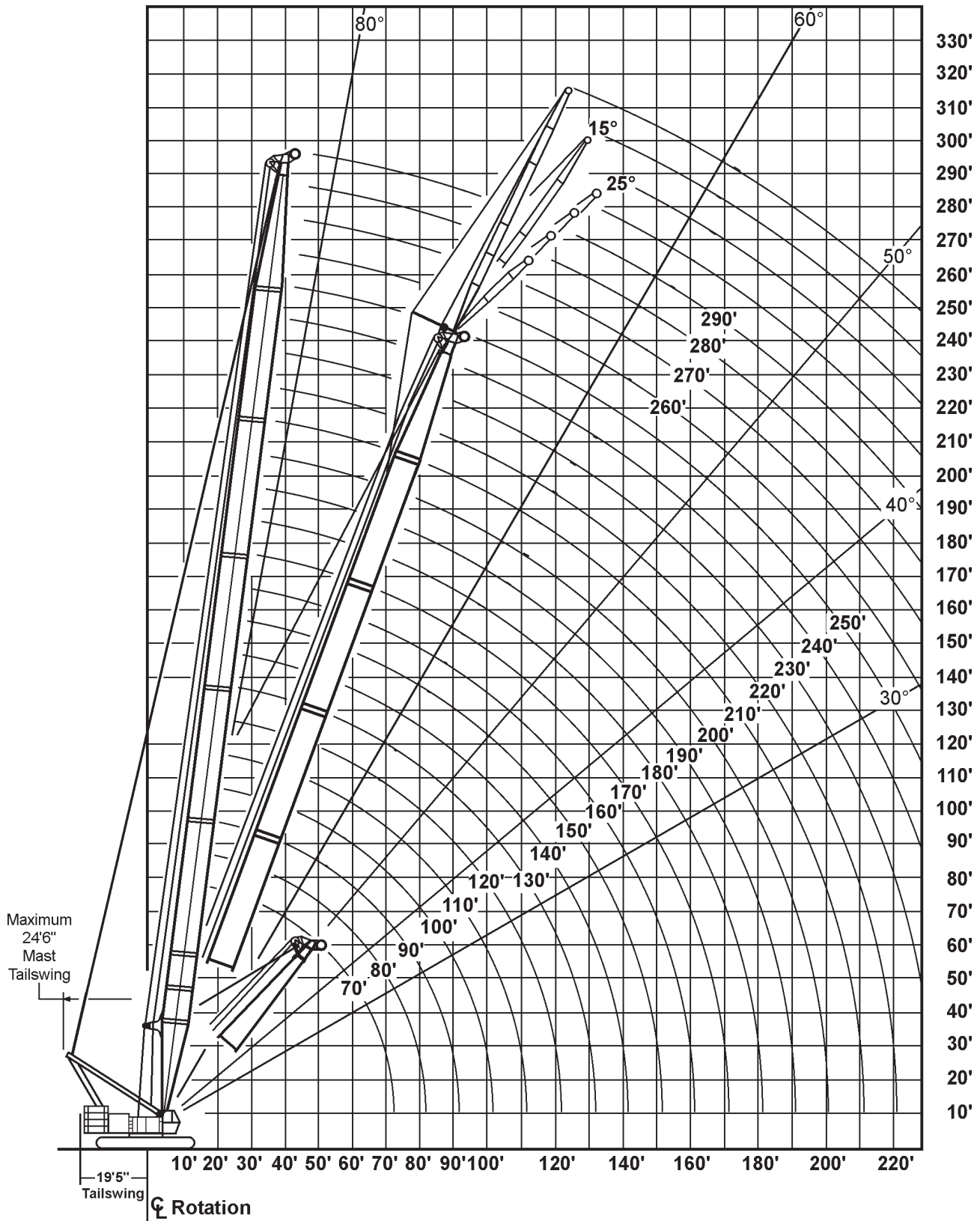


Load Blocks	Capacity	Sheaves	Weight
	125.0 tons	5	4,500 lbs
	65.0 tons	3	2,817 lbs
	30.0 tons	1	2,000 lbs
	15.0 tons	-	1,250 lbs

main boom



### Manitowoc 888

#### main boom



70-170 ft



22'2<sup>3</sup>/<sub>4</sub>"





179100 lbs



360°





75%

 Ft	70	80	90	100	110	120	130	140	150	160	170	 Ft	
16	441											16	
17	408.3	405.4										17	
18	386.8	386										18	
19	367.4	366.7	365									19	
20	349.8	349.1	348.6	348.2								20	
22	319	318.3	317.8	317.5	316.9	309.9						22	
24	293	292.2	291.8	291.5	290.9	290.4	285.2					24	
26	270.7	270	269.5	269.2	268.6	268.1	267.8	267.3	244.2			26	
28	251.4	250.6	250.2	249.9	249.3	248.8	248.6	248	238.7	228.9	213.5	28	
30	234.4	233.7	233.3	233	232.4	232	231.7	231.2	230.5	223.8	209.4	30	
32	219	218.8	218.4	218.1	217.5	217.1	216.8	216.3	215.6	215	205.4	32	
34	199.6	199.8	200.1	200.2	200.3	200.3	200.4	200.3	200.2	200.1	200	34	
36	183.2	183.4	183.6	183.7	183.7	183.7	183.8	183.7	183.6	183.4	183.3	36	
38	169.1	169.3	169.4	169.6	169.6	169.5	169.6	169.4	169.3	169.1	169	38	
40	156.9	157	157.2	157.3	157.3	157.2	157.3	157.1	157	156.7	156.6	40	
42	146.2	146.3	146.4	146.6	146.5	146.4	146.5	146.3	146.1	145.9	145.8	42	
44	136.8	136.9	137	137.1	137	136.9	137	136.8	136.6	136.4	136.2	44	
46	128.4	128.5	128.5	128.6	128.5	128.5	128.5	128.3	128.1	127.9	127.7	46	
48	120.9	120.9	121	121.1	121	120.9	120.9	120.7	120.5	120.3	120.1	48	
50	114.1	114.2	114.2	114.3	114.2	114.1	114.1	113.9	113.7	113.4	113.3	50	
55	99.8	99.8	99.9	100	99.8	99.7	99.7	99.5	99.2	99	98.8	55	
60	88.3	88.3	88.4	88.5	88.3	88.2	88.2	88	87.7	87.4	87.2	60	
65	78.9	78.9	79	79.1	78.9	78.8	78.8	78.5	78.2	77.9	77.8	65	
70	70.9	71	71.1	71.2	71	70.9	70.9	70.7	70.3	70	69.9	70	
75		64.3	64.4	64.5	64.3	64.2	64.2	64	63.7	63.4	63.2	75	
80		58.5	58.7	58.8	58.6	58.5	58.5	58.3	57.9	57.6	57.5	80	
85			53.6	53.8	53.6	53.5	53.5	53.3	53	52.7	52.5	85	
90			49.2	49.4	49.3	49.2	49.2	49	48.6	48.3	48.1	90	
95				45.5	45.4	45.3	45.3	45.1	44.8	44.5	44.3	95	
100				42	41.9	41.9	41.9	41.7	41.3	41	40.9	100	
105					38.8	38.8	38.8	38.6	38.3	38	37.8	105	
110					36	36	36.1	35.9	35.5	35.2	35	110	
115							33.5	33.5	33.4	33	32.7	32.5	115
120							31.1	31.2	31.1	30.7	30.4	30.3	120
125								29.1	29	28.6	28.3	28.2	125
130								27.1	27	26.7	26.4	26.3	130
135									25.2	24.9	24.6	24.5	135
140									23.5	23.2	23	22.9	140
145										21.7	21.5	21.3	145
150										20.2	20	19.9	150
155											18.7	18.6	155
160											17.4	17.3	160
165												16.2	165

with 44000 lbs carbody counterweight

main boom










 Ft	180	190	200	210	220	230	240	250	260	270	280	290	 Ft
30	199.2												30
32	195.5	181	171										32
34	191.8	178	168.2	158.7	147.5								34
36	183.1	175	165.4	156.4	146.6	133.6							36
38	168.8	168.7	162.6	154.1	144.5	133.3	121.3	110.2					38
40	156.4	156.2	155.9	151.8	142.4	132.9	121	109.9	100.5	91.9			40
42	145.5	145.3	145	144.8	140.2	131.5	120.7	109.6	100.2	91.6	83		42
44	136	135.8	135.4	135.2	134.9	129.7	120.3	109.3	99.9	91.3	82.7	75.9	44
46	127.5	127.2	126.9	126.7	126.4	126.1	120	109	99.6	91	82.5	75.6	46
48	119.8	119.6	119.3	119	118.7	118.5	118.1	108.6	99.3	90.7	82.2	75.3	48
50	113	112.7	112.4	112.2	111.8	111.5	111.2	108.3	98.9	90.4	81.9	75.1	50
55	98.5	98.2	97.9	97.6	97.3	97	96.6	96.8	96.4	89.5	81.2	74.3	55
60	86.9	86.6	86.2	86	85.6	85.3	84.9	85.1	84.7	84.4	80.4	73.1	60
65	77.5	77.1	76.7	76.5	76.1	75.8	75.4	75.6	75.2	74.8	74.4	71	65
70	69.5	69.2	68.8	68.6	68.2	67.8	67.4	67.6	67.2	66.8	66.4	66.8	70
75	62.9	62.5	62.1	61.8	61.5	61.1	60.7	60.9	60.5	60.1	59.6	60	75
80	57.1	56.7	56.3	56.1	55.7	55.3	54.9	55.1	54.7	54.3	53.8	54.2	80
85	52.1	51.7	51.4	51.1	50.7	50.3	49.9	50.1	49.7	49.2	48.8	49.1	85
90	47.8	47.4	47	46.7	46.3	45.9	45.5	45.7	45.3	44.8	44.4	44.7	90
95	43.9	43.5	43.1	42.9	42.5	42	41.6	41.8	41.4	41	40.5	40.9	95
100	40.5	40.1	39.7	39.4	39	38.6	38.2	38.4	37.9	37.5	37.1	37.4	100
105	37.5	37	36.6	36.4	36	35.5	35.1	35.3	34.9	34.4	34	34.3	105
110	34.7	34.3	33.9	33.6	33.2	32.7	32.3	32.5	32.1	31.6	31.2	31.5	110
115	32.2	31.8	31.4	31.1	30.7	30.2	29.8	30	29.6	29.1	28.7	29	115
120	29.9	29.5	29.1	28.8	28.4	28	27.5	27.7	27.3	26.8	26.4	26.7	120
125	27.8	27.4	27	26.7	26.3	25.9	25.4	25.6	25.2	24.7	24.3	24.6	125
130	25.9	25.5	25.1	24.8	24.4	24	23.5	23.7	23.3	22.8	22.4	22.7	130
135	24.2	23.7	23.3	23.1	22.7	22.2	21.8	22	21.5	21	20.6	20.9	135
140	22.5	22.1	21.7	21.4	21	20.6	20.1	20.3	19.9	19.4	19	19.3	140
145	21	20.6	20.2	19.9	19.5	19.1	18.6	18.8	18.4	17.9	17.4	17.8	145
150	19.6	19.2	18.8	18.5	18.1	17.7	17.2	17.4	17	16.5	16	16.4	150
155	18.3	17.9	17.5	17.2	16.8	16.3	15.9	16.1	15.7	15.2	14.7	15.1	155
160	17.1	16.6	16.3	16	15.6	15.1	14.7	14.9	14.5	14	13.5	13.8	160
165	15.9	15.5	15.1	14.9	14.5	14	13.6	13.7	13.3	12.8	12.4	12.7	165
170	14.8	14.4	14	13.8	13.4	12.9	12.5	12.7	12.2	11.7	11.3	11.6	170
175	13.8	13.3	13	12.8	12.4	11.9	11.5	11.7	11.2	10.7	10.3	10.6	175
180		12.4	12	11.8	11.4	10.9	10.5	10.7	10.3	9.8	9.3	9.7	180
185		11.4	11.1	10.9	10.5	10	9.6	9.8	9.4	8.9	8.4	8.8	185
190			10.2	10	9.7	9.2	8.8	9	8.5	8	7.6	7.9	190
195			9.4	9.2	8.8	8.4	8	8.2	7.7	7.2	6.8	7.1	195
200				8.4	8.1	7.6	7.2	7.4	7	6.5	6	6.4	200
205				7.7	7.3	6.9	6.5	6.7	6.2	5.7	5.3	5.6	205
210					6.6	6.2	5.8	6	5.5	5	4.6	4.9	210
215					5.9	5.5	5.1	5.3	4.9	4.4		4.3	215
220						4.8	4.5	4.7	4.3				220
225						4.2		4.1					225

with 44000 lbs carbody counterweight

### Manitowoc 888

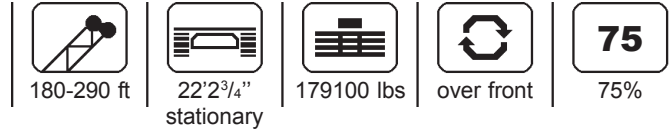
#### main boom



 70-170 ft	 22'2 <sup>3</sup> / <sub>4</sub> " stationary	 179100 lbs	 over front	 <b>75</b> 75%
--	---	---	--	---

 Ft	70	80	90	100	110	120	130	140	150	160	170	 Ft
16	441											16
17	408.3	405.4										17
18	386.8	386										18
19	367.4	366.7	365									19
20	349.8	349.1	348.6	348.2								20
22	319	318.3	317.8	317.5	316.9	309.9						22
24	293	292.2	291.8	291.5	290.9	290.4	285.2					24
26	270.7	270	269.5	269.2	268.6	268.1	267.8	267.3	244.2			26
28	251.4	250.6	250.2	249.9	249.3	248.8	248.6	248	238.7	228.9	213.5	28
30	234.4	233.7	233.3	233	232.4	232	231.7	231.2	230.5	223.8	209.4	30
32	219.5	218.8	218.4	218.1	217.5	217.1	216.8	216.3	215.6	215	205.4	32
34	206.3	205.6	205.1	204.9	204.3	203.8	203.6	203.1	202.4	201.8	201.4	34
36	194.4	193.7	193.3	193	192.4	192	191.8	191.3	190.5	190	189.6	36
38	183.7	183.1	182.6	182.4	181.8	181.4	181.1	180.6	179.9	179.3	179	38
40	174.1	173.4	173	172.8	172.2	171.7	171.5	171	170.3	169.7	169.3	40
42	165.3	164.6	164.2	164	163.4	163	162.7	162.2	161.5	161	160.6	42
44	157.2	156.6	156.2	156	155.4	155	154.8	154.3	153.6	153	152.6	44
46	149.9	149.3	148.9	148.7	148.1	147.7	147.4	146.9	146.2	145.7	145.3	46
48	143.1	142.5	142.1	141.9	141.3	140.9	140.7	140.2	139.5	138.9	138.6	48
50	136.8	136.2	135.9	135.7	135.1	134.7	134.5	134	133.3	132.7	132.4	50
55	123.1	122.5	122.2	122	121.4	121.1	120.8	120.4	119.7	119.1	118.7	55
60	109.2	109.3	109.4	109.6	109.5	109.4	109.4	108.9	108.2	107.7	107.3	60
65	97.1	97.5	97.6	97.7	97.6	97.5	97.6	97.4	97.1	96.9	96.7	65
70	76.4	87.7	87.8	87.9	87.8	87.7	87.7	87.6	87.3	87	86.9	70
75		79.4	79.5	79.7	79.5	79.5	79.5	79.3	79	78.7	78.6	75
80		65.8	72.5	72.7	72.5	72.4	72.4	72.2	71.9	71.7	71.5	80
85			66.3	66.6	66.4	66.3	66.4	66.2	65.8	65.6	65.4	85
90			57.1	61.2	61.1	61	61.1	60.9	60.5	60.2	60.1	90
95				56.5	56.4	56.4	56.4	56.2	55.8	55.6	55.4	95
100				49.5	52.2	52.2	52.2	52.1	51.7	51.4	51.3	100
105					48.5	48.5	48.5	48.4	48	47.7	47.6	105
110					42.3	45.1	45.2	45	44.7	44.4	44.2	110
115						42	42.2	42	41.7	41.4	41.2	115
120						36.5	39.4	39.3	38.9	38.6	38.5	120
125							36.5	36.8	36.4	36.2	36	125
130							31.8	34.4	34.1	33.9	33.7	130
135								31.6	32	31.8	31.6	135
140								27.5	30	29.8	29.7	140
145									27	28	27.9	145
150									23.3	26.2	26.2	150
155										23.2	24.6	155
160										19.9	22.6	160
165											19.9	165

with 44000 lbs carbody counterweight

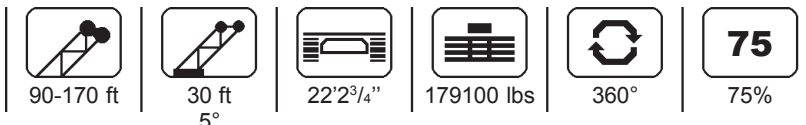
main boom



 Ft	180	190	200	210	220	230	240	250	260	270	280	290	 Ft
30	199.2												30
32	195.5	181	171										32
34	191.8	178	168.2	158.7	147.5								34
36	188.1	175	165.4	156.4	146.6	133.6							36
38	178.4	172	162.6	154.1	144.5	133.3	121.3	110.2					38
40	168.7	168	159.8	151.8	142.4	132.9	121	109.9	100.5	91.9			40
42	160	159.3	157.1	149.6	140.2	131.5	120.7	109.6	100.2	91.6	83		42
44	152	151.3	150.7	147.1	138.1	129.7	120.3	109.3	99.9	91.3	82.7	75.9	44
46	144.7	144	143.3	142.9	135.7	127.8	120	109	99.6	91	82.5	75.6	46
48	138	137.2	136.6	136.2	133.4	125.9	119	108.6	99.3	90.7	82.2	75.3	48
50	131.8	131	130.4	129.9	129.3	123.9	117.1	108.3	98.9	90.4	81.9	75.1	50
55	118.2	117.4	116.8	116.3	115.7	115	112.5	105.2	98.1	89.5	81.2	74.3	55
60	106.7	106	105.4	104.9	104.3	103.5	102.9	100.9	95.2	88.7	80.4	73.1	60
65	96.4	96.1	95.7	95.2	94.6	93.8	93.2	93.3	91.1	85.9	78.8	71	65
70	86.6	86.2	85.9	85.7	85.3	85	84.6	84.8	84.3	82.2	75.6	69	70
75	78.3	77.9	77.6	77.3	77	76.6	76.2	76.4	76.1	75.7	72.1	67.2	75
80	71.2	70.8	70.5	70.2	69.9	69.5	69.1	69.3	68.9	68.6	68.1	64.6	80
85	65.1	64.7	64.4	64.1	63.7	63.4	63	63.2	62.8	62.4	62	61.4	85
90	59.8	59.4	59	58.8	58.4	58	57.6	57.8	57.4	57	56.6	56.9	90
95	55.1	54.7	54.3	54.1	53.7	53.3	52.9	53.1	52.7	52.3	51.9	52.2	95
100	50.9	50.5	50.2	49.9	49.5	49.1	48.7	48.9	48.5	48.1	47.7	48	100
105	47.2	46.8	46.5	46.2	45.8	45.4	45	45.2	44.8	44.3	43.9	44.3	105
110	43.9	43.5	43.1	42.9	42.5	42	41.6	41.8	41.4	41	40.6	40.9	110
115	40.9	40.5	40.1	39.8	39.5	39	38.6	38.8	38.4	38	37.5	37.9	115
120	38.2	37.8	37.4	37.1	36.7	36.3	35.9	36.1	35.7	35.2	34.8	35.1	120
125	35.7	35.3	34.9	34.6	34.2	33.8	33.4	33.6	33.1	32.7	32.3	32.6	125
130	33.4	33	32.6	32.3	32	31.5	31.1	31.3	30.9	30.4	30	30.3	130
135	31.3	30.9	30.5	30.2	29.9	29.4	29	29.2	28.8	28.3	27.8	28.2	135
140	29.4	28.9	28.6	28.3	27.9	27.5	27	27.2	26.8	26.3	25.9	26.3	140
145	27.6	27.1	26.8	26.5	26.1	25.7	25.2	25.4	25	24.5	24.1	24.5	145
150	25.9	25.5	25.1	24.8	24.5	24	23.6	23.8	23.4	22.9	22.4	22.8	150
155	24.3	23.9	23.6	23.3	22.9	22.4	22	22.2	21.8	21.3	20.9	21.2	155
160	22.9	22.5	22.1	21.8	21.5	21	20.6	20.8	20.4	19.9	19.4	19.8	160
165	21.5	21.1	20.7	20.5	20.1	19.6	19.2	19.4	19	18.5	18.1	18.4	165
170	19.2	19.8	19.5	19.2	18.8	18.4	18	18.2	17.7	17.2	16.8	17.2	170
175	16.8	18.1	18.3	18	17.6	17.2	16.8	17	16.5	16.1	15.6	16	175
180		16	17	16.9	16.5	16.1	15.6	15.8	15.4	14.9	14.5	14.8	180
185		13.8	15.1	15.8	15.5	15	14.6	14.8	14.4	13.9	13.4	13.8	185
190			13.2	14.2	14.5	14	13.6	13.8	13.4	12.9	12.4	12.8	190
195			11.2	12.5	13.1	13	12.6	12.8	12.4	11.9	11.5	11.8	195
200				10.7	11.5	11.8	11.7	11.9	11.5	11	10.6	10.9	200
205				8.9	9.9	10.3	10.6	11.1	10.7	10.2	9.7	10.1	205
210					8.3	8.9	9.2	10.3	9.9	9.4	8.8	8.9	210
215					6.7	7.4	7.9	8.9	9.1	8.6	7.9	7.6	215
220						5.9	6.5	7.7	7.8	7.7	7.1	6.5	220
225						4.4	5.2	6.4	6.6	6.5	6.3	5.4	225
230								5.2	5.4	5.4	5.4	4.3	230
235									4.3	4.3	4.3		235

with 44000 lbs carbody counterweight

Fixed Jib











ft	30									ft
	90	100	110	120	130	140	150	160	170	
30	59	59	59							30
35	59	59	59	59	59	59				35
40	59	59	59	59	59	59	59	59	59	40
45	59	59	59	59	59	59	59	59	59	45
50	59	59	59	59	59	59	59	59	59	50
55	59	59	59	59	59	59	59	59	59	55
60	58.1	59	59	59	59	59	59	59	59	60
65	57.1	58	59	59	59	59	59	59	59	65
70	56.1	57.1	57.9	58.7	59	59	59	59	59	70
75	55.3	56.2	57	57.8	58.6	59	59	59	59	75
80	54.6	55.4	56.2	57	57.7	58.5	59	59	58.7	80
85	53.9	54.7	55.5	55.5	55.2	54.9	54.4	54	53.7	85
90	52.1	51.9	51.4	51.1	50.9	50.5	50	49.6	49.3	90
100	44.9	44.6	44.2	43.8	43.6	43.2	42.8	42.3	42	100
110	39	38.8	38.3	38	37.8	37.4	36.9	36.5	36.2	110
120		33.9	33.5	33.2	33	32.6	32.1	31.7	31.4	120
130			29.5	29.2	29	28.6	28.1	27.7	27.4	130
140				25.8	25.6	25.2	24.7	24.3	24	140
150					22.6	22.3	21.8	21.4	21.1	150
160						19.7	19.3	18.9	18.6	160
170							17	16.6	16.4	170
180								14.6	14.4	180
190									12.6	190

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

 180-260 ft	 30 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75%
---	--	---	---	--	--

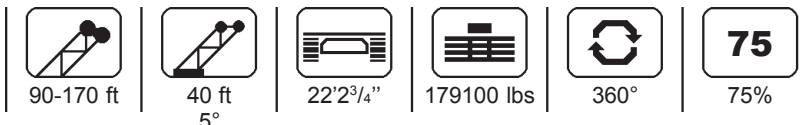
 Ft.	30									Ft. 
	180	190	200	210	220	230	240	250	260	
45	59	59	59	59						45
50	59	59	59	59	59	59	59			50
55	59	59	59	59	59	59	59	59	59	55
60	59	59	59	59	59	59	59	59	59	60
65	59	59	59	59	59	59	59	59	59	65
70	59	59	59	59	59	59	59	59	59	70
75	59	59	59	59	59	59	59	59	59	75
80	58.3	57.8	57.4	57.1	56.6	56.2	55.8	55.8	55.4	80
85	53.3	52.8	52.4	52.1	51.6	51.2	50.7	50.8	50.4	85
90	48.9	48.5	48	47.7	47.2	46.8	46.3	46.4	46	90
100	41.6	41.1	40.7	40.4	39.9	39.4	39	39.1	38.6	100
110	35.8	35.3	34.9	34.5	34.1	33.6	33.1	33.2	32.7	110
120	31	30.5	30.1	29.7	29.3	28.8	28.3	28.4	27.9	120
130	27	26.5	26.1	25.7	25.3	24.8	24.3	24.4	23.9	130
140	23.6	23.1	22.7	22.3	21.9	21.4	20.9	21	20.5	140
150	20.7	20.2	19.8	19.4	19	18.4	18	18	17.6	150
160	18.2	17.7	17.2	16.9	16.4	15.9	15.4	15.5	15	160
170	16	15.4	15	14.7	14.2	13.7	13.2	13.3	12.8	170
180	14	13.5	13	12.7	12.2	11.7	11.2	11.3	10.9	180
190	12.2	11.7	11.3	10.9	10.5	10	9.5	9.6	9.1	190
200	10.6	10.1	9.7	9.4	8.9	8.4	7.9	8	7.6	200
210		8.7	8.3	7.9	7.5	7	6.5	6.6	6.1	210
220			6.9	6.6	6.2	5.7	5.2	5.3	4.9	220
230				5.4	5	4.5	4	4.1		230

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request



#### Fixed Jib











ft	40									ft
	90	100	110	120	130	140	150	160	170	
30	53.5									30
35	51.9	52.5	53	53.5						35
40	50.4	51	51.6	52.2	52.7	53.1	53.5			40
45	48.9	49.7	50.3	50.9	51.4	51.9	52.4	52.8	53.2	45
50	47.6	48.4	49.1	49.7	50.3	50.8	51.3	51.7	52.2	50
55	46.4	47.2	47.9	48.6	49.2	49.8	50.3	50.7	51.2	55
60	45.3	46.1	46.9	47.5	48.2	48.8	49.3	49.8	50.2	60
65	44.2	45.1	45.8	46.6	47.2	47.8	48.4	48.9	49.4	65
70	43.3	44.1	44.9	45.6	46.3	46.9	47.5	48	48.5	70
75	42.3	43.2	44	44.7	45.4	46.1	46.6	47.2	47.7	75
80	41.5	42.4	43.2	43.9	44.6	45.2	45.9	46.4	46.9	80
85	40.7	41.6	42.4	43.1	43.8	44.5	45.1	45.7	46.2	85
90	40	40.9	41.6	42.4	43.1	43.8	44.4	45	45.5	90
100	38.3	39.6	40.3	41.1	41.8	42.4	43	43	42.7	100
110	34.8	37.3	39.1	38.7	38.4	38.1	37.6	37.1	36.8	110
120	31.9	34.2	34.3	33.9	33.7	33.3	32.8	32.3	32	120
130		30.7	30.2	29.9	29.6	29.2	28.7	28.3	28	130
140			26.8	26.5	26.2	25.8	25.3	24.9	24.6	140
150				23.5	23.3	22.9	22.4	22	21.7	150
160					20.7	20.3	19.9	19.4	19.1	160
170						18.1	17.6	17.2	16.9	170
180							15.6	15.2	14.9	180
190								13.4	13.1	190
200									11.5	200

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib







 180-260 ft	 40 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75%
---	--	---	---	--	--



 Ft.	40									Ft. 
	180	190	200	210	220	230	240	250	260	
45	53.5	53.9								45
50	52.5	52.9	53.2	53.5	53.8					50
55	51.6	52	52.3	52.7	53	53.3	53.6	53.8		55
60	50.7	51.1	51.5	51.8	52.2	52.5	52.8	53.1	53.3	60
65	49.8	50.2	50.6	51	51.4	51.7	52	52.3	52.6	65
70	49	49.4	49.8	50.2	50.6	51	51.3	51.6	51.9	70
75	48.2	48.7	49.1	49.5	49.9	50.2	50.6	50.9	51.2	75
80	47.4	47.9	48.4	48.8	49.2	49.6	49.9	50.3	50.6	80
85	46.7	47.2	47.7	48.1	48.5	48.9	49.3	49.6	50	85
90	46	46.5	47	47.4	47.8	47.5	47	47.1	46.6	90
100	42.3	41.8	41.3	41	40.6	40.1	39.6	39.7	39.2	100
110	36.4	35.9	35.5	35.1	34.7	34.2	33.7	33.8	33.3	110
120	31.6	31.1	30.6	30.3	29.8	29.3	28.9	28.9	28.5	120
130	27.6	27.1	26.6	26.3	25.8	25.3	24.8	24.9	24.4	130
140	24.2	23.7	23.2	22.9	22.4	21.9	21.4	21.5	21	140
150	21.3	20.7	20.3	19.9	19.5	19	18.5	18.5	18.1	150
160	18.7	18.2	17.7	17.4	16.9	16.4	15.9	16	15.5	160
170	16.5	16	15.5	15.2	14.7	14.2	13.7	13.8	13.3	170
180	14.5	14	13.5	13.2	12.7	12.2	11.7	11.8	11.3	180
190	12.7	12.2	11.8	11.4	11	10.4	10	10	9.6	190
200	11.1	10.6	10.2	9.8	9.4	8.9	8.4	8.4	8	200
210	9.7	9.2	8.7	8.4	8	7.4	7	7	6.6	210
220		7.8	7.4	7.1	6.7	6.1	5.7	5.7	5.3	220
230			6.2	5.9	5.5	4.9	4.5	4.6	4.1	230
240					4.4					240

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

#### Fixed Jib







 90-170 ft	 50 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75%
--	--	---	---	--	--



 ft	50									 ft
	90	100	110	120	130	140	150	160	170	
35	42.8	43.3	43.7							35
40	41.6	42.1	42.5	42.9	43.3	43.6				40
45	40.4	41	41.5	41.9	42.3	42.7	43	43.3	43.6	45
50	39.3	39.9	40.4	40.9	41.4	41.8	42.1	42.5	42.8	50
55	38.3	38.9	39.5	40	40.5	40.9	41.3	41.6	42	55
60	37.4	38	38.6	39.1	39.6	40	40.5	40.9	41.2	60
65	36.5	37.1	37.7	38.3	38.8	39.3	39.7	40.1	40.5	65
70	35.6	36.3	36.9	37.5	38	38.5	39	39.4	39.8	70
75	34.8	35.5	36.2	36.7	37.3	37.8	38.3	38.7	39.1	75
80	34.1	34.8	35.4	36	36.6	37.1	37.6	38	38.5	80
85	33.4	34.1	34.8	35.4	35.9	36.4	36.9	37.4	37.8	85
90	32.8	33.5	34.1	34.7	35.3	35.8	36.3	36.8	37.2	90
100	31.6	32.3	32.9	33.5	34.1	34.7	35.2	35.7	36.1	100
110	29.3	31.3	31.9	32.5	33.1	33.6	34.1	34.6	35.1	110
120	26.8	28.6	30.4	31.6	32.1	32.7	33.2	32.8	32.5	120
130	24.7	26.4	28	29.7	30.1	29.7	29.2	28.8	28.5	130
140		24.5	26	27	26.7	26.3	25.8	25.4	25	140
150			24.3	24	23.8	23.4	22.9	22.4	22.1	150
160				21.5	21.2	20.8	20.3	19.9	19.6	160
170					18.9	18.6	18.1	17.7	17.3	170
180						16.6	16.1	15.7	15.4	180
190							14.3	13.9	13.6	190
200								12.2	12	200
210									10.5	210

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

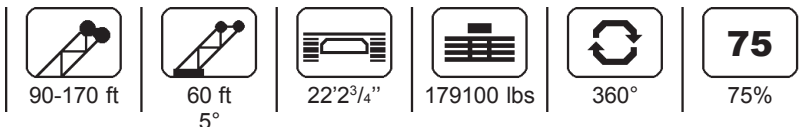
 180-260 ft	 50 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75 75%
---	--	---	---	--	--

 Ft.	50									Ft. 
	180	190	200	210	220	230	240	250	260	
50	43.1	43.4	43.6							50
55	42.3	42.6	42.9	43.1	43.4	43.6				55
60	41.6	41.9	42.2	42.4	42.7	43	43.2	43.4	43.6	60
65	40.8	41.2	41.5	41.8	42	42.3	42.6	42.8	43	65
70	40.1	40.5	40.8	41.1	41.4	41.7	42	42.2	42.5	70
75	39.5	39.8	40.2	40.5	40.8	41.1	41.4	41.6	41.9	75
80	38.8	39.2	39.6	39.9	40.2	40.5	40.8	41.1	41.3	80
85	38.2	38.6	39	39.3	39.7	40	40.3	40.5	40.8	85
90	37.7	38	38.4	38.8	39.1	39.4	39.7	40	40.3	90
100	36.6	37	37.3	37.7	38.1	38.4	38.7	39	39.3	100
110	35.5	36	35.9	35.6	35.1	34.6	34.2	34.2	33.7	110
120	32	31.5	31.1	30.7	30.3	29.8	29.3	29.3	28.9	120
130	28	27.5	27	26.7	26.2	25.7	25.3	25.3	24.8	130
140	24.6	24.1	23.6	23.3	22.8	22.3	21.8	21.8	21.4	140
150	21.7	21.2	20.7	20.3	19.9	19.4	18.9	18.9	18.4	150
160	19.1	18.6	18.1	17.8	17.3	16.8	16.3	16.3	15.9	160
170	16.9	16.4	15.9	15.5	15.1	14.6	14.1	14.1	13.6	170
180	14.9	14.4	13.9	13.6	13.1	12.6	12.1	12.1	11.7	180
190	13.1	12.6	12.2	11.8	11.3	10.8	10.3	10.4	9.9	190
200	11.6	11	10.6	10.2	9.8	9.2	8.8	8.8	8.3	200
210	10.1	9.6	9.1	8.8	8.3	7.8	7.3	7.4	6.9	210
220	8.8	8.3	7.8	7.5	7	6.5	6	6.1	5.6	220
230		7.1	6.6	6.3	5.8	5.3	4.8	4.9	4.4	230
240			5.5	5.2	4.8	4.2				240

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

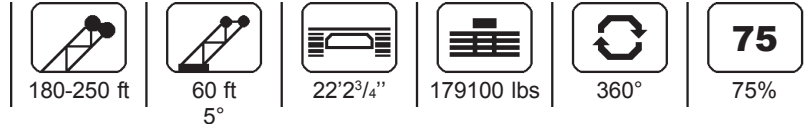


ft	60									ft
	90	100	110	120	130	140	150	160	170	
35	36	36.3								35
40	35	35.4	35.7	36	36.3					40
45	34.1	34.5	34.9	35.2	35.5	35.8	36	36.3		45
50	33.2	33.6	34	34.4	34.7	35	35.3	35.6	35.8	50
55	32.4	32.9	33.3	33.7	34	34.3	34.6	34.9	35.2	55
60	31.6	32.1	32.6	33	33.3	33.7	34	34.3	34.6	60
65	30.9	31.4	31.9	32.3	32.7	33	33.4	33.7	34	65
70	30.1	30.7	31.2	31.6	32	32.4	32.8	33.1	33.4	70
75	29.3	29.9	30.5	31	31.5	31.8	32.2	32.5	32.9	75
80	28.6	29.2	29.8	30.3	30.8	31.3	31.7	32	32.3	80
85	27.9	28.6	29.2	29.7	30.2	30.7	31.1	31.5	31.8	85
90	27.3	28	28.5	29.1	29.6	30.1	30.5	31	31.3	90
100	26.2	26.8	27.4	28	28.5	29	29.4	29.9	30.3	100
110	25.2	25.8	26.4	26.9	27.5	28	28.4	28.9	29.3	110
120	23.4	24.9	25.5	26	26.5	27	27.5	28	28.4	120
130	21.4	22.9	24.3	25.2	25.7	26.2	26.7	27.1	27.6	130
140	19.8	21.1	22.5	23.8	24.9	25.4	25.9	25.7	25.4	140
150		19.6	20.9	22.1	23.3	23.8	23.2	22.8	22.4	150
160			19.5	20.7	21.6	21.2	20.7	20.2	19.9	160
170				19.4	19.4	19	18.5	18	17.7	170
180					17.4	17	16.5	16	15.7	180
190						15.2	14.7	14.3	13.9	190
200							13.1	12.7	12.3	200
210								11.2	10.9	210
220									9.6	220

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

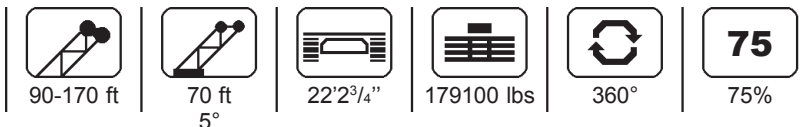


ft	60								ft
	180	190	200	210	220	230	240	250	
50	36.1	36.3							50
55	35.4	35.7	35.9	36.1	36.3				55
60	34.8	35.1	35.3	35.5	35.7	35.9	36.1	36.3	60
65	34.3	34.5	34.7	35	35.2	35.4	35.6	35.8	65
70	33.7	34	34.2	34.5	34.7	34.9	35.1	35.3	70
75	33.2	33.4	33.7	34	34.2	34.4	34.6	34.8	75
80	32.6	32.9	33.2	33.5	33.7	34	34.2	34.4	80
85	32.1	32.4	32.7	33	33.3	33.5	33.7	34	85
90	31.7	32	32.3	32.5	32.8	33.1	33.3	33.5	90
100	30.7	31.1	31.4	31.7	32	32.2	32.5	32.7	100
110	29.7	30.1	30.5	30.8	31.2	31.4	31.7	32	110
120	28.8	29.2	29.6	30	30.3	30.1	29.6	29.6	120
130	28	27.8	27.4	27	26.5	26	25.5	25.5	130
140	24.9	24.4	23.9	23.6	23.1	22.6	22.1	22.1	140
150	22	21.5	21	20.6	20.2	19.6	19.2	19.2	150
160	19.4	18.9	18.5	18.1	17.6	17.1	16.6	16.6	160
170	17.2	16.7	16.2	15.8	15.4	14.8	14.4	14.4	170
180	15.2	14.7	14.2	13.9	13.4	12.9	12.4	12.4	180
190	13.5	13	12.5	12.1	11.6	11.1	10.6	10.6	190
200	11.9	11.4	10.9	10.5	10.1	9.5	9	9.1	200
210	10.5	9.9	9.5	9.1	8.6	8.1	7.6	7.6	210
220	9.1	8.6	8.2	7.8	7.3	6.8	6.3	6.3	220
230	7.9	7.4	7	6.6	6.2	5.6	5.1	5.2	230
240		6.3	5.9	5.5	5.1	4.5	4.1	4.1	240
250			4.8	4.5	4.1				250

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

#### Fixed Jib











ft	70									ft
	90	100	110	120	130	140	150	160	170	
40	27.1	27.2	27.3	27.3						40
45	26.7	27	27.1	27.1	27.2	27.3	27.3			45
50	26.1	26.4	26.7	26.9	27.1	27.1	27.2	27.2	27.3	50
55	25.4	25.8	26.1	26.4	26.6	26.9	27	27.1	27.1	55
60	24.8	25.2	25.5	25.8	26.1	26.4	26.6	26.8	27	60
65	24.2	24.6	25	25.3	25.6	25.9	26.1	26.3	26.6	65
70	23.7	24.1	24.4	24.8	25.1	25.4	25.6	25.9	26.1	70
75	23.1	23.5	23.9	24.3	24.6	24.9	25.2	25.4	25.7	75
80	22.6	23	23.4	23.8	24.1	24.4	24.7	25	25.3	80
85	22.1	22.6	23	23.3	23.7	24	24.3	24.6	24.9	85
90	21.6	22.1	22.5	22.9	23.2	23.6	23.9	24.2	24.5	90
100	20.6	21.1	21.6	22	22.4	22.8	23.1	23.4	23.7	100
110	19.8	20.3	20.7	21.2	21.6	22	22.3	22.7	23	110
120	18.9	19.5	20	20.4	20.8	21.2	21.6	22	22.3	120
130	18.2	18.7	19.2	19.7	20.1	20.5	20.9	21.3	21.6	130
140	17.5	18	18.5	19	19.4	19.9	20.3	20.6	21	140
150	16.9	17.4	17.9	18.4	18.8	19.2	19.6	20	20.4	150
160		16.7	17.3	17.8	18.2	18.6	19	19.4	19.8	160
170			16.6	17.2	17.6	18.1	18.5	18.4	18	170
180				16.5	17.1	17.4	16.8	16.4	16	180
190					16	15.6	15.1	14.6	14.3	190
200						14	13.5	13	12.7	200
210							12	11.6	11.3	210
220								10.3	9.9	220
230									8.7	230

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

 180-250 ft	 70 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75 75%
---	--	---	---	--	--

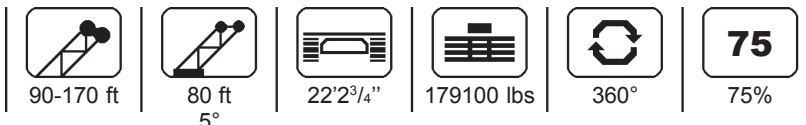
 ft	70								 ft
	180	190	200	210	220	230	240	250	
50	27.3								50
55	27.2	27.2	27.3	27.3					55
60	27.1	27.1	27.2	27.2	27.2	27.3	27.3		60
65	26.8	27	27	27.1	27.1	27.2	27.2	27.3	65
70	26.3	26.5	26.7	26.9	27	27.1	27.1	27.2	70
75	25.9	26.1	26.3	26.5	26.7	26.9	27	27.1	75
80	25.5	25.7	25.9	26.1	26.3	26.5	26.7	26.8	80
85	25.1	25.3	25.6	25.8	26	26.2	26.3	26.5	85
90	24.7	25	25.2	25.4	25.6	25.8	26	26.2	90
100	24	24.2	24.5	24.7	24.9	25.1	25.3	25.5	100
110	23.3	23.5	23.8	24	24.3	24.5	24.7	24.9	110
120	22.6	22.9	23.1	23.4	23.6	23.9	24.1	24.3	120
130	21.9	22.2	22.5	22.8	23	23.3	23.5	23.7	130
140	21.3	21.6	21.9	22.2	22.5	22.7	22.4	22.4	140
150	20.7	21	21.3	20.9	20.5	19.9	19.5	19.4	150
160	19.8	19.2	18.8	18.4	17.9	17.4	16.9	16.9	160
170	17.5	17	16.5	16.1	15.7	15.1	14.7	14.6	170
180	15.6	15	14.6	14.2	13.7	13.2	12.7	12.7	180
190	13.8	13.3	12.8	12.4	11.9	11.4	10.9	10.9	190
200	12.2	11.7	11.2	10.8	10.4	9.8	9.3	9.3	200
210	10.8	10.3	9.8	9.4	8.9	8.4	7.9	7.9	210
220	9.5	9	8.5	8.1	7.6	7.1	6.6	6.6	220
230	8.3	7.8	7.3	6.9	6.5	5.9	5.4	5.4	230
240	7.2	6.7	6.2	5.9	5.4	4.8	4.4	4.4	240
250		5.7	5.2	4.8	4.4				250
260			4.3						260

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request



#### Fixed Jib









ft	80									ft
	90	100	110	120	130	140	150	160	170	
40	20.6	20.6	20.7							40
45	20.4	20.5	20.5	20.6	20.7	20.7	20.7			45
50	20.3	20.3	20.4	20.5	20.5	20.6	20.6	20.7	20.7	50
55	20.1	20.2	20.3	20.3	20.4	20.4	20.5	20.5	20.6	55
60	19.9	20	20.1	20.2	20.3	20.3	20.4	20.4	20.5	60
65	19.8	19.9	20	20.1	20.1	20.2	20.3	20.3	20.4	65
70	19.7	19.8	19.8	19.9	20	20.1	20.1	20.2	20.3	70
75	19.5	19.6	19.7	19.8	19.9	20	20	20.1	20.1	75
80	19.1	19.4	19.6	19.7	19.8	19.8	19.9	20	20	80
85	18.6	19	19.3	19.6	19.7	19.7	19.8	19.9	19.9	85
90	18.1	18.5	18.9	19.3	19.5	19.6	19.7	19.8	19.8	90
100	17.3	17.7	18.1	18.5	18.8	19.1	19.4	19.6	19.6	100
110	16.4	16.9	17.3	17.7	18.1	18.4	18.7	19	19.3	110
120	15.7	16.1	16.6	17	17.4	17.7	18.1	18.4	18.7	120
130	14.9	15.4	15.9	16.3	16.7	17.1	17.4	17.7	18	130
140	14.3	14.8	15.2	15.6	16	16.4	16.8	17.1	17.5	140
150	13.7	14.1	14.6	15	15.4	15.8	16.2	16.5	16.9	150
160	13.2	13.6	14	14.5	14.9	15.3	15.6	16	16.3	160
170		13.1	13.5	13.9	14.3	14.7	15.1	15.5	15.8	170
180			13.1	13.5	13.8	14.2	14.6	15	15.3	180
190				13.1	13.4	13.8	14.1	14.5	14.5	190
200					13	13.3	13.7	13.2	12.9	200
210						12.8	12.3	11.8	11.5	210
220							11	10.5	10.2	220
230								9.3	9	230
240									7.9	240

with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

Fixed Jib

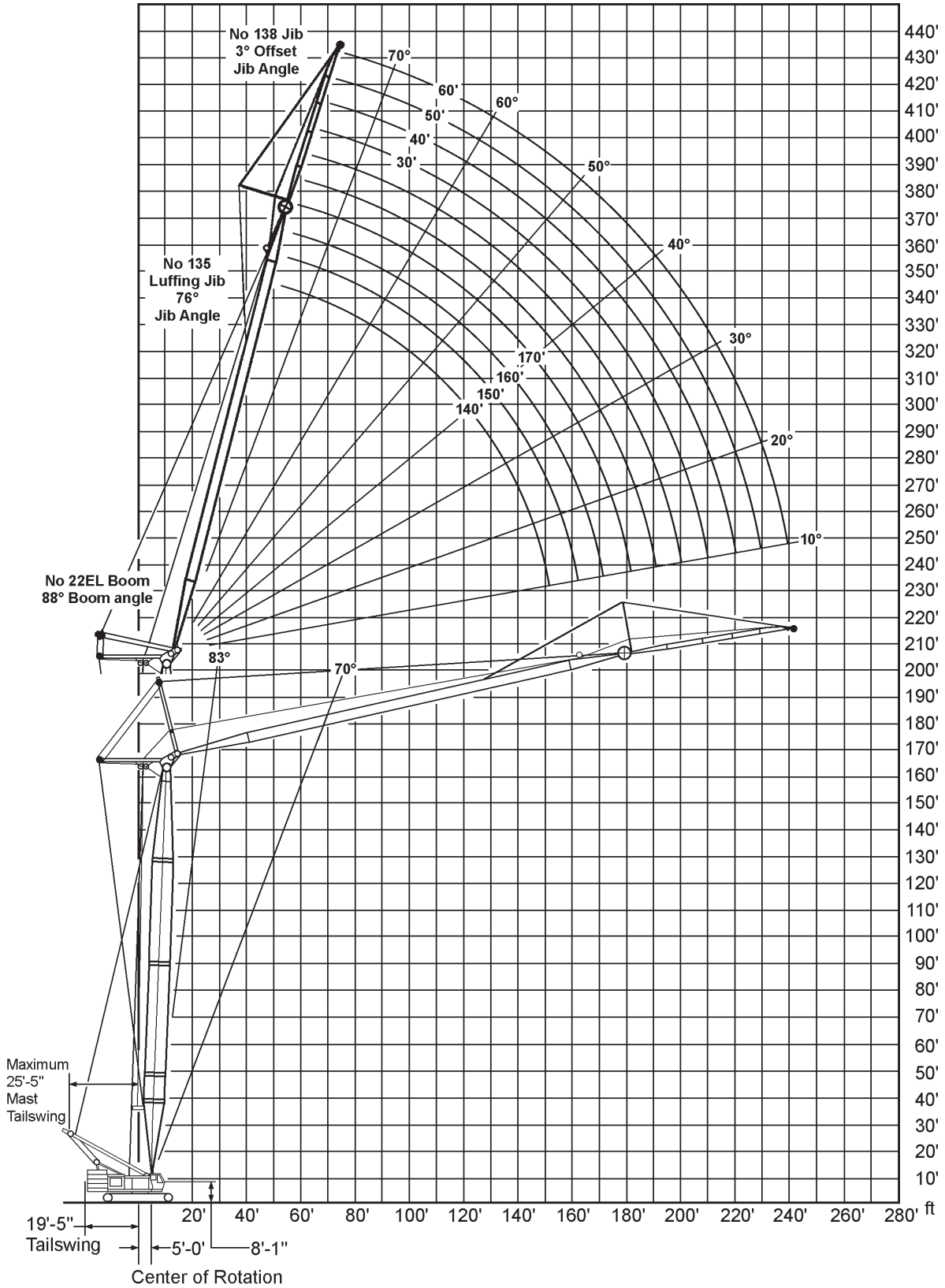
 180-250 ft	 80 ft 5°	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 75%
---	--	---	---	--	--

ft	80								ft
	180	190	200	210	220	230	240	250	
50	20.7								50
55	20.6	20.7	20.7	20.7					55
60	20.5	20.6	20.6	20.6	20.7	20.7	20.7		60
65	20.4	20.5	20.5	20.6	20.6	20.6	20.7	20.7	65
70	20.3	20.4	20.4	20.5	20.5	20.5	20.6	20.6	70
75	20.2	20.3	20.3	20.4	20.4	20.4	20.5	20.5	75
80	20.1	20.2	20.2	20.3	20.3	20.4	20.4	20.4	80
85	20	20.1	20.1	20.2	20.2	20.3	20.3	20.4	85
90	19.9	20	20	20.1	20.1	20.2	20.2	20.3	90
100	19.7	19.8	19.8	19.9	19.9	20	20.1	20.1	100
110	19.5	19.6	19.7	19.7	19.8	19.8	19.9	19.9	110
120	18.9	19.2	19.4	19.6	19.6	19.7	19.7	19.8	120
130	18.3	18.6	18.9	19.1	19.3	19.5	19.6	19.6	130
140	17.7	18	18.3	18.6	18.8	19	19.3	19.5	140
150	17.2	17.5	17.8	18	18.3	18.5	18.8	19	150
160	16.6	17	17.2	17.5	17.8	17.5	17	17	160
170	16.1	16.4	16.7	16.3	15.8	15.2	14.8	14.7	170
180	15.6	15.2	14.7	14.3	13.8	13.3	12.8	12.8	180
190	14	13.4	13	12.5	12.1	11.5	11	11	190
200	12.4	11.9	11.4	11	10.5	10	9.5	9.4	200
210	11	10.5	10	9.6	9.1	8.5	8	8	210
220	9.7	9.2	8.7	8.3	7.8	7.3	6.8	6.7	220
230	8.5	8	7.5	7.1	6.6	6.1	5.6	5.6	230
240	7.4	6.9	6.4	6	5.6	5	4.5	4.5	240
250	6.4	5.9	5.4	5	4.6	4			250
260		5	4.5	4.1					260

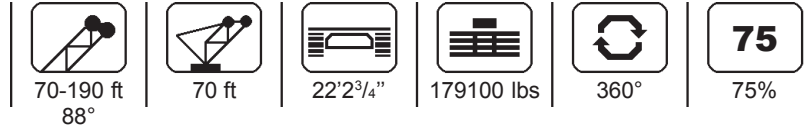
with 44000 lbs carbody counterweight

Load charts for 15° offset and 25° offset on request

### Luffing jib



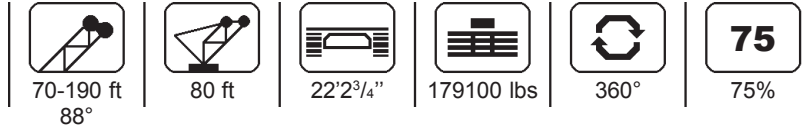
Luffing jib



ft	70													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	394													16
17	370.6	369.3												17
18	349.6	349.2												18
19	330.6	330.2	329.4											19
20	313.3	313	312.9	312.9										20
22	283.1	282.8	282.7	282.7	282.3	275.7								22
24	257.5	257.3	257.2	257.2	256.9	256.6	241.4							24
26	235.6	235.4	235.3	235.4	235	234.8	234.6	223.2	199.1					26
28	216.7	216.5	216.4	216.5	216.1	215.9	215.8	215.5	194.2	184.8	169			28
30	200.1	199.9	199.8	200	199.6	199.4	199.3	199	189.5	180.3	165.5	155.8		30
32		185.3	185.2	185.4	185	184.8	184.7	184.4	183.8	175.9	162.1	152.7	118	32
34		171.3	172.1	172.4	172	171.8	171.8	171.5	170.9	170.4	158.7	149.5	118	34
36			156.1	156.7	157.1	157.3	157.7	157.8	157.9	157.9	155.3	146.3	118	36
38				143	143.3	143.5	143.9	144	144.1	144	144.1	143.2	118	38
40				131.1	131.4	131.6	131.9	132	132.1	132	132	131.9	118	40
42					120.9	121.1	121.4	121.5	121.5	121.5	121.5	121.4	118	42
44					111.7	111.9	112.2	112.3	112.3	112.2	112.2	112	112.5	44
46						103.7	104	104.1	104	103.9	103.9	103.8	104.2	46
48						96.4	96.6	96.7	96.6	96.5	96.5	96.4	96.8	48
50							90	90.1	90	89.9	89.9	89.7	90.1	50
55									76	75.8	75.8	75.6	76	55
60										64.6	64.6	64.3	64.7	60
65											55.4	55.1	55.4	65
70													47.7	70

with 44000 lbs carbody counterweight

#### Luffing jib









ft	80													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	394.2													16
17	370.7	370.3												17
18	349.5	349.3												18
19	330.3	330.1	330.1											19
20	312.9	312.7	312.7	312.9										20
22	282.4	282.3	282.4	282.5	282.2	277.3								22
24	256.7	256.6	256.7	256.9	256.6	256.4	243.7							24
26	234.7	234.6	234.7	234.9	234.6	234.5	234.4	225.6	201.5					26
28	215.6	215.5	215.6	215.8	215.6	215.4	215.4	215.2	196.5	187.3	171.6			28
30	198.9	198.8	198.9	199.2	198.9	198.8	198.8	198.6	191.5	182.7	167.9	158.5		30
32	184.1	184.1	184.2	184.5	184.2	184.1	184.1	183.9	183.4	178.1	164.3	155.2	118	32
34	169.1	170.2	171.2	171.5	171.2	171.1	171.1	170.9	170.3	169.9	160.8	151.8	118	34
36	153.2	154.2	155.1	155.8	156.3	156.7	157.1	157.4	157.5	157.6	157.2	148.5	118	36
38		140.5	141.3	142.1	142.5	142.9	143.3	143.5	143.6	143.6	143.7	143.7	118	38
40		128.6	129.4	130.1	130.5	130.8	131.2	131.4	131.5	131.5	131.6	131.5	118	40
42		118.2	119	119.7	120	120.3	120.7	120.9	120.9	120.9	121	120.9	118	42
44			109.8	110.4	110.8	111.1	111.4	111.6	111.6	111.6	111.6	111.5	112.1	44
46			101.6	102.2	102.6	102.8	103.2	103.3	103.3	103.3	103.3	103.2	103.7	46
48				94.9	95.2	95.5	95.8	95.9	95.9	95.9	95.9	95.8	96.2	48
50				88.3	88.6	88.8	89.1	89.3	89.2	89.2	89.2	89.1	89.5	50
55					74.6	74.8	75.1	75.2	75.1	75	75.1	74.9	75.3	55
60							63.9	64	63.9	63.7	63.8	63.6	64	60
65								54.8	54.6	54.5	54.5	54.3	54.7	65
70									46.9	46.8	46.8	46.6	46.9	70
75										40.3	40.3	40.1	40.4	75
80											34.7	34.4	34.8	80
85												29.6	29.9	85
90													25.6	90

with 44000 lbs carbody counterweight



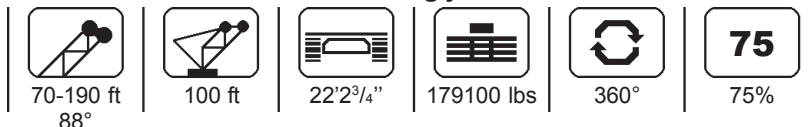
Luffing jib

 70-190 ft 88°	 90 ft	 22'2 <sup>3</sup> / <sub>4</sub> "	 179100 lbs	 360°	 <b>75</b> 75%
---	--	---	---	--	---

ft	90													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	389.8													16
17	366.4	366.3												17
18	345.3	345.2												18
19	326.3	326.2	326.3											19
20	309	308.9	309	309.2										20
22	278.7	278.7	278.8	279	278.8	274.4								22
24	253.1	253.1	253.2	253.5	253.3	253.2	240.3							24
26	231.2	231.2	231.4	231.7	231.4	231.3	231.4	222.2	198.3					26
28	212.2	212.3	212.4	212.7	212.5	212.4	212.5	212.2	193.3	184	168.4			28
30	195.6	195.7	195.9	196.2	196	195.9	196	195.7	188.4	179.4	164.9	155.4		30
32	181	181.1	181.3	181.6	181.4	181.3	181.4	181.2	180.7	174.9	161.3	152.1	118	32
34	165.9	167.1	168.1	168.6	168.4	168.4	168.4	168.3	167.7	167.4	157.7	148.7	118	34
36	150.1	151.2	152.2	153	153.6	154	154.5	154.8	155	155	154.2	145.5	118	36
38		137.7	138.6	139.4	139.9	140.3	140.7	141	141.2	141.2	141.3	141.3	118	38
40		125.9	126.8	127.6	128	128.4	128.8	129	129.2	129.2	129.3	129.3	118	40
42		115.6	116.4	117.2	117.6	118	118.4	118.6	118.7	118.7	118.8	118.7	118	42
44			107.3	108.1	108.5	108.8	109.2	109.4	109.5	109.4	109.5	109.5	110	44
46			99.2	99.9	100.3	100.6	101	101.2	101.2	101.2	101.3	101.2	101.7	46
48				92.7	93	93.3	93.7	93.9	93.9	93.9	93.9	93.8	94.3	48
50				86.1	86.4	86.7	87.1	87.3	87.3	87.2	87.3	87.2	87.7	50
55					72.6	72.8	73.2	73.3	73.3	73.2	73.3	73.1	73.6	55
60							62.1	62.2	62.1	62	62.1	61.9	62.3	60
65								53.1	53	52.9	52.9	52.7	53.1	65
70									45.3	45.2	45.3	45.1	45.4	70
75										38.8	38.8	38.6	38.9	75
80											33.2	33	33.4	80
85												28.2	28.5	85
90													24.3	90

with 44000 lbs carbody counterweight

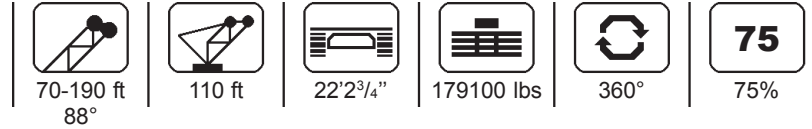
#### Luffing jib



ft	100													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	393													16
17	369.2	369.3												17
18	347.9	347.9												18
19	328.5	328.6	328.8											19
20	310.9	311.1	311.3	311.6										20
22	280.2	280.4	280.7	281	280.9	278.5								22
24	254.2	254.5	254.7	255.1	255	255	245.4							24
26	232	232.2	232.6	233	232.9	232.9	233	227.5	203.5					26
28	212.7	213	213.3	213.8	213.7	213.7	213.8	213.7	198.3	189.5	173.8			28
30	195.8	196.2	196.5	197	196.9	196.9	197.1	196.9	193.1	184.6	170	160.9		30
32	180.9	181.3	181.7	182.2	182.1	182.2	182.3	182.2	181.7	179.8	166.2	157.3	118	32
34	165.9	167.4	168.5	169	169	169	169.2	169.1	168.6	168.3	162.4	153.8	118	34
36	149.9	151.4	152.6	153.6	154.3	154.8	155.4	155.8	156.1	156.2	156.4	150.3	118	36
38	136.2	137.6	138.8	139.7	140.4	140.9	141.5	141.8	142	142.2	142.3	142.4	118	38
40	124.3	125.6	126.8	127.7	128.4	128.9	129.4	129.7	129.9	130	130.2	130.2	118	40
42	113.9	115.2	116.3	117.2	117.8	118.3	118.8	119.1	119.3	119.4	119.5	119.5	118	42
44	104.7	106	107	108	108.5	109	109.5	109.8	109.9	110	110.1	110.1	110.7	44
46		97.8	98.8	99.7	100.2	100.7	101.2	101.5	101.6	101.6	101.8	101.7	102.3	46
48		90.4	91.4	92.3	92.8	93.3	93.8	94	94.1	94.2	94.3	94.2	94.8	48
50		83.8	84.8	85.7	86.2	86.6	87.1	87.3	87.4	87.4	87.6	87.5	88	50
55			70.8	71.7	72.1	72.5	73	73.2	73.2	73.2	73.3	73.3	73.7	55
60				60.4	60.8	61.2	61.7	61.9	61.9	61.9	62	61.9	62.3	60
65					51.6	52	52.4	52.6	52.6	52.6	52.7	52.6	53	65
70						44.3	44.7	44.9	44.9	44.8	44.9	44.8	45.2	70
75							38.2	38.4	38.3	38.3	38.4	38.2	38.6	75
80								32.8	32.7	32.7	32.7	32.6	33	80
85									27.8	27.8	27.8	27.7	28.1	85
90										23.5	23.6	23.4	23.8	90
95											19.8	19.6	20	95
100												16.3	16.6	100
105													13.6	105
110													10.9	110

with 44000 lbs carbody counterweight

Luffing jib









ft	110													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	390.1													16
17	366.4	366.5												17
18	345.1	345.2												18
19	325.8	326	326.3											19
20	308.3	308.5	308.8	309.2										20
22	277.7	278	278.3	278.7	278.6	276.9								22
24	251.8	252.1	252.5	252.9	252.9	252.9	243.7							24
26	229.6	230	230.4	230.9	230.8	230.9	231	225.7	201.9					26
28	210.4	210.8	211.2	211.8	211.7	211.8	211.9	211.8	196.6	187.7	172.2			28
30	193.6	194	194.5	195	195	195.1	195.3	195.2	191.4	182.9	168.4	159.2		30
32	178.7	179.2	179.7	180.3	180.3	180.4	180.6	180.5	180.1	178.1	164.5	155.7	118	32
34	163.5	165.2	166.6	167.2	167.2	167.3	167.5	167.4	167	166.7	160.8	152.1	118	34
36	147.6	149.2	150.6	151.6	152.4	153	153.6	154	154.4	154.5	154.7	148.6	118	36
38	134	135.5	136.8	137.9	138.6	139.2	139.8	140.1	140.4	140.6	140.8	140.8	118	38
40	122.2	123.7	124.9	126	126.6	127.2	127.8	128.1	128.4	128.5	128.7	128.7	118	40
42	111.9	113.3	114.5	115.5	116.2	116.7	117.3	117.6	117.8	117.9	118.1	118.1	118	42
44	102.8	104.1	105.3	106.3	106.9	107.4	108	108.3	108.5	108.6	108.8	108.7	109.4	44
46		96	97.1	98.1	98.7	99.2	99.7	100.1	100.2	100.3	100.5	100.4	101	46
48		88.7	89.8	90.8	91.4	91.8	92.4	92.7	92.8	92.9	93	93	93.6	48
50		82.2	83.2	84.2	84.7	85.2	85.7	86	86.1	86.2	86.3	86.3	86.8	50
55			69.3	70.3	70.8	71.2	71.7	72	72	72.1	72.2	72.2	72.7	55
60				59.1	59.6	60	60.5	60.8	60.8	60.8	60.9	60.8	61.3	60
65					50.4	50.8	51.3	51.6	51.6	51.6	51.7	51.6	52	65
70						43.2	43.7	43.9	43.9	43.9	44	43.9	44.3	70
75							37.2	37.4	37.4	37.3	37.4	37.3	37.7	75
80								31.8	31.8	31.8	31.8	31.7	32.1	80
85									26.9	26.9	27	26.9	27.2	85
90										22.7	22.8	22.6	23	90
95											19	18.9	19.2	95
100												15.5	15.9	100
105													12.9	105
110													10.2	110

with 44000 lbs carbody counterweight



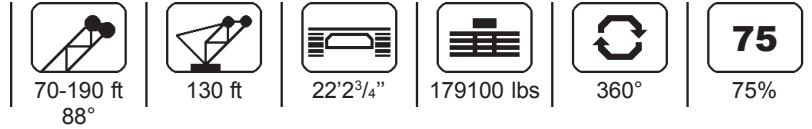
#### Luffing jib

 70-190 ft 88°	 120 ft	 22'3/4"	 179100 lbs	 360°	 75%
---	---	--	---	--	--

ft	120													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	385.7													16
17	362.1	362.3												17
18	340.8	341.1												18
19	321.6	321.9	322.3											19
20	304.2	304.5	304.9	305.4										20
22	273.7	274.1	274.5	275.1	275	273.9								22
24	247.9	248.3	248.8	249.4	249.4	249.5	240.2							24
26	225.8	226.3	226.8	227.4	227.4	227.6	227.8	222.1	198.5					26
28	206.6	207.2	207.8	208.4	208.4	208.6	208.8	208.7	193.2	184.3	168.9			28
30	189.9	190.5	191.1	191.7	191.8	191.9	192.2	192.1	188	179.4	165.1	155.9		30
32	175.1	175.8	176.4	177.1	177.1	177.3	177.5	177.5	177.1	174.6	161.3	152.4	118	32
34	159.9	161.7	163.2	164	164.1	164.3	164.5	164.5	164.1	163.9	157.5	148.9	118	34
36	144.1	145.9	147.3	148.5	149.4	150.1	150.8	151.2	151.6	151.8	152.1	145.4	118	36
38	130.6	132.3	133.7	134.9	135.7	136.4	137	137.5	137.8	138	138.2	138.3	118	38
40	118.9	120.5	121.9	123.1	123.8	124.5	125.1	125.5	125.8	126	126.2	126.3	118	40
42	108.6	110.2	111.6	112.7	113.4	114	114.7	115.1	115.3	115.5	115.7	115.7	116.4	42
44	99.6	101.2	102.4	103.6	104.3	104.9	105.5	105.9	106.1	106.2	106.4	106.5	107.1	44
46		93.1	94.3	95.4	96.1	96.7	97.3	97.7	97.9	98	98.2	98.2	98.8	46
48		85.9	87.1	88.2	88.8	89.4	90	90.3	90.5	90.6	90.8	90.8	91.4	48
50		79.3	80.5	81.6	82.2	82.8	83.4	83.7	83.9	84	84.2	84.2	84.7	50
55			66.8	67.8	68.4	68.9	69.5	69.8	69.9	70	70.1	70.1	70.6	55
60				56.8	57.3	57.8	58.3	58.6	58.7	58.8	58.9	58.9	59.4	60
65					48.2	48.7	49.2	49.5	49.6	49.6	49.8	49.7	50.2	65
70						41.1	41.6	41.9	41.9	42	42.1	42	42.5	70
75							35.2	35.5	35.5	35.5	35.6	35.5	36	75
80								30	29.9	30	30.1	30	30.4	80
85									25.1	25.1	25.3	25.2	25.6	85
90										20.9	21.1	21	21.3	90
95											17.3	17.2	17.6	95
100												13.9	14.3	100
105													11.3	105

with 44000 lbs carbody counterweight

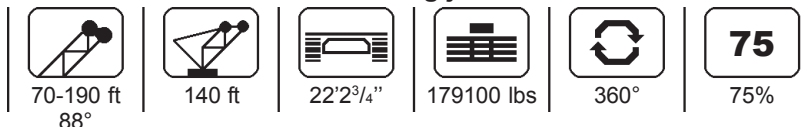
Luffing jib



ft	130													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	391.6													16
17	367.5	367.9												17
18	345.8	346.3												18
19	326.2	326.7	327.2											19
20	308.4	308.9	309.5	310.1										20
22	277.2	277.9	278.5	279.1	279.2	279.4								22
24	250.9	251.6	252.3	253	253.1	253.3	247.1							24
26	228.3	229.1	229.8	230.6	230.7	230.9	231.2	229.4	205.6					26
28	208.8	209.6	210.4	211.2	211.3	211.6	211.9	211.9	200	191.6	176.1			28
30	191.7	192.6	193.4	194.2	194.4	194.6	194.9	195	194.6	186.4	172	163.2		30
32	176.6	177.5	178.3	179.2	179.4	179.7	180	180.1	179.8	179.6	167.9	159.4	118	32
34	161.4	163.6	165	165.9	166.1	166.4	166.8	166.8	166.5	166.3	163.9	155.6	118	34
36	145.3	147.4	149.1	150.5	151.5	152.4	153.2	153.7	154.1	154.4	154.5	151.8	118	36
38	131.5	133.5	135.2	136.6	137.6	138.3	139.1	139.6	140	140.3	140.6	140.7	118	38
40	119.5	121.5	123.1	124.5	125.4	126.2	127	127.5	127.8	128.1	128.4	128.5	118	40
42	109	111	112.6	113.9	114.8	115.6	116.3	116.8	117.1	117.3	117.6	117.7	118	42
44	99.8	101.7	103.3	104.6	105.5	106.2	106.9	107.4	107.7	107.9	108.2	108.2	108.9	44
46	91.6	93.4	95	96.3	97.1	97.8	98.6	99	99.3	99.5	99.8	99.8	100.5	46
48	84.2	86.1	87.6	88.9	89.7	90.4	91.1	91.5	91.8	92	92.2	92.3	92.9	48
50	77.6	79.4	80.9	82.2	83	83.7	84.4	84.8	85	85.2	85.5	85.5	86.1	50
55		65.3	66.8	68.1	68.8	69.5	70.1	70.6	70.8	70.9	71.1	71.2	71.7	55
60			55.5	56.7	57.5	58.1	58.8	59.2	59.3	59.5	59.7	59.7	60.3	60
65				47.5	48.2	48.8	49.5	49.9	50	50.1	50.3	50.3	50.8	65
70					40.4	41.1	41.7	42.1	42.2	42.3	42.5	42.5	43	70
75					33.9	34.5	35.1	35.5	35.6	35.7	35.9	35.9	36.4	75
80						28.8	29.5	29.9	29.9	30	30.2	30.2	30.7	80
85							24.6	25	25	25.1	25.3	25.3	25.7	85
90								20.7	20.7	20.8	21	21	21.4	90
95									16.9	17	17.2	17.2	17.6	95
100									13.6	13.6	13.8	13.8	14.2	100
105										10.6	10.8	10.7	11.2	105

with 44000 lbs carbody counterweight

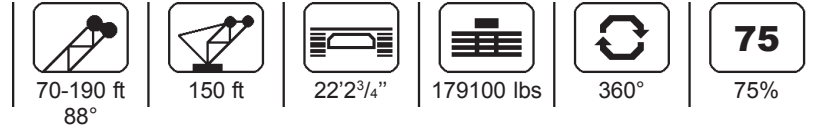
#### Luffing jib



ft	140													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	387.9													16
17	363.8	364.4												17
18	342.2	342.8												18
19	322.6	323.3	323.9											19
20	304.8	305.6	306.2	306.9										20
22	273.7	274.5	275.3	276	276.2	276.4								22
24	247.4	248.3	249.1	249.9	250.1	250.4	244.1							24
26	224.9	225.8	226.7	227.6	227.8	228.1	228.4	226.4	202.8					26
28	205.3	206.4	207.3	208.2	208.4	208.8	209.1	209.2	197.2	188.7	173.4			28
30	188.3	189.4	190.3	191.2	191.5	191.9	192.3	192.3	191.7	183.6	169.2	160.5		30
32	173.2	174.3	175.3	176.3	176.6	177	177.4	177.5	177.2	177.1	165.1	156.6	118	32
34	157.9	160.4	162	163	163.3	163	164.1	164.3	164	163.9	161.1	152.8	118	34
36	141.9	144.3	146.2	147.7	148.8	149.8	150.6	151.2	151.8	152.1	152.1	149.1	118	36
38	128.2	130.5	132.3	133.8	134.9	135.8	136.7	137.3	137.7	138	138.4	138.6	118	38
40	116.3	118.5	120.3	121.8	122.9	123.7	124.6	125.1	125.6	125.8	126.2	126.3	118	40
42	105.9	108.1	109.8	111.3	112.3	113.1	114	114.5	114.9	115.2	115.5	115.6	116.4	42
44	96.7	98.8	100.6	102	103	103.8	104.6	105.2	105.5	105.8	106.1	106.2	106.9	44
46	88.5	90.6	92.3	93.8	94.7	95.5	96.3	96.8	97.2	97.4	97.7	97.8	98.5	46
48	81.2	83.3	84.9	86.4	87.3	88.1	88.9	89.4	89.7	89.9	90.2	90.3	91	48
50	74.6	76.7	78.3	79.7	80.6	81.4	82.2	82.7	83	83.2	83.5	83.6	84.2	50
55		62.7	64.3	65.7	66.5	67.3	68	68.5	68.8	69	69.2	69.3	69.9	55
60			53	54.4	55.2	56	56.7	57.2	57.4	57.6	57.9	57.9	58.5	60
65				45.2	46	46.7	47.5	47.9	48.1	48.3	48.5	48.6	49.1	65
70					38.3	39	39.7	40.2	40.4	40.5	40.8	40.8	41.3	70
75					31.8	32.5	33.2	33.6	33.8	33.9	34.2	34.2	34.7	75
80						26.9	27.6	28	28.2	28.3	28.5	28.5	29	80
85							22.7	23.2	23.3	23.4	23.6	23.6	24.1	85
90								18.9	19	19.1	19.4	19.3	19.8	90
95									15.2	15.3	15.6	15.6	16	95
100									11.9	12	12.2	12.2	12.7	100

with 44000 lbs carbody counterweight

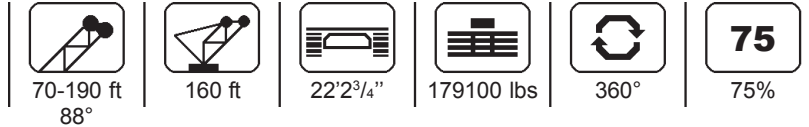
Luffing jib



ft	150														ft
	70	80	90	100	110	120	130	140	150	160	170	180	190		
16	385.2														16
17	361.2	361.9													17
18	339.6	340.3													18
19	320	320.8	321.6												19
20	302.3	303.1	303.9	304.7											20
22	271.2	272.2	273	273.9	274.1	274.4									22
24	245	246	246.9	247.8	248.1	248.4	242.2								24
26	222.5	223.6	224.5	225.5	225.8	226.2	226.6	224.4	201						26
28	203	204.2	205.2	206.2	206.5	206.9	207.3	207.4	195.4	186.9	171.6				28
30	185.9	187.2	188.2	189.3	189.6	190	190.5	190.6	189.9	181.7	167.5	158.7			30
32	170.9	172.2	173.3	174.3	174.7	175.2	175.6	175.8	175.6	175.5	163.4	154.9	118		32
34	155.4	158	160	161.1	161.5	161.9	162.4	162.6	162.4	162.3	159.3	151	118		34
36	139.5	142	144.1	145.7	146.9	147.9	148.9	149.5	150.1	150.5	150.6	147.3	118		36
38	125.9	128.3	130.3	131.9	133.1	134	135	135.6	136.1	136.5	136.9	137.1	118		38
40	114	116.4	118.4	120	121.1	122	122.9	123.5	124	124.3	124.7	124.9	118		40
42	103.7	106	107.9	109.5	110.6	111.5	112.4	113	113.4	113.7	114.1	114.3	115		42
44	94.5	96.8	98.7	100.2	101.3	102.2	103.1	103.7	104.1	104.4	104.7	104.9	105.6		44
46	86.4	88.7	90.5	92	93.1	93.9	94.8	95.4	95.8	96	96.4	96.5	97.3		46
48	79.1	81.4	83.2	84.7	85.7	86.6	87.4	88	88.3	88.6	88.9	89.1	89.8		48
50	72.6	74.8	76.5	78.1	79.1	79.9	80.7	81.3	81.6	81.9	82.2	82.3	83		50
55		60.9	62.6	64.1	65	65.9	66.7	67.2	67.5	67.7	68	68.1	68.8		55
60			51.4	52.9	53.8	54.6	55.4	55.9	56.2	56.4	56.7	56.8	57.4		60
65				43.8	44.6	45.4	46.2	46.7	46.9	47.1	47.4	47.5	48.1		65
70					37	37.7	38.5	39	39.2	39.4	39.7	39.7	40.3		70
75					30.5	31.2	32	32.5	32.7	32.9	33.1	33.2	33.7		75
80						25.7	26.4	26.9	27.1	27.3	27.5	27.6	28.1		80
85							21.6	22.1	22.2	22.4	22.7	22.7	23.2		85
90								17.8	18	18.1	18.4	18.4	18.9		90
95									14.2	14.4	14.6	14.7	15.1		95
100									10.9	11	11.3	11.3	11.8		100

with 44000 lbs carbody counterweight

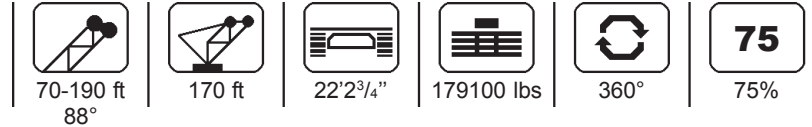
#### Luffing jib



ft	160													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	381.4													16
17	357.4	358.2												17
18	335.8	336.7												18
19	316.3	317.2	318.1											19
20	298.5	299.6	300.5	301.4										20
22	267.5	268.7	269.7	270.6	270.9	271.3								22
24	241.3	242.5	243.6	244.6	245	245.4	239.1							24
26	218.8	220.1	221.3	222.3	222.7	223.2	223.7	221.3	198					26
28	199.4	200.7	201.9	203	203.5	204	204.5	204.6	192.4	183.9	168.8			28
30	182.3	183.8	185	186.2	186.6	187.1	187.7	187.9	186.9	178.7	164.6	155.8		30
32	167.3	168.8	170.1	171.3	171.8	172.3	172.9	173.1	172.9	172.9	160.5	152	118	32
34	151.8	154.7	156.8	158.1	158.6	159.1	159.7	159.9	159.8	159.7	156.5	148.2	118	34
36	136	138.7	141	142.8	144.1	145.2	146.2	147	147.6	148	148.1	144.4	118	36
38	122.4	125.1	127.3	129	130.3	131.4	132.4	133.1	133.7	134.1	134.5	134.8	118	38
40	110.7	113.3	115.4	117.1	118.4	119.4	120.4	121.1	121.6	122	122.5	122.7	118	40
42	100.4	102.9	105	106.7	107.9	109	109.9	110.6	111.1	111.5	111.9	112.1	112.9	42
44	91.3	93.8	95.8	97.5	98.7	99.7	100.7	101.3	101.8	102.2	102.6	102.8	103.5	44
46	83.2	85.7	87.7	89.4	90.5	91.5	92.4	93.1	93.5	93.9	94.3	94.4	95.2	46
48	76	78.4	80.4	82.1	83.2	84.2	85.1	85.7	86.1	86.5	86.8	87	87.8	48
50	69.5	71.9	73.8	75.5	76.6	77.5	78.4	79.1	79.5	79.8	80.2	80.3	81	50
55		58.1	60	61.6	62.6	63.6	64.5	65.1	65.4	65.7	66.1	66.2	66.9	55
60			48.9	50.5	51.5	52.4	53.3	53.9	54.2	54.4	54.8	54.9	55.6	60
65				41.4	42.4	43.2	44.1	44.7	45	45.2	45.6	45.7	46.3	65
70					34.7	35.6	36.5	37	37.3	37.5	37.9	37.9	38.5	70
75					28.3	29.1	30	30.6	30.8	31	31.3	31.4	32	75
80						23.6	24.4	25	25.2	25.4	25.8	25.8	26.4	80
85							19.6	20.2	20.4	20.6	20.9	21	21.5	85
90								16	16.2	16.4	16.7	16.7	17.3	90
95									12.4	12.6	12.9	13	13.5	95
100													10.2	100

with 44000 lbs carbody counterweight

Luffing jib



ft	170													ft
	70	80	90	100	110	120	130	140	150	160	170	180	190	
16	377.8													16
17	353.8	354.8												17
18	332.3	333.3												18
19	312.8	313.9	314.9											19
20	295.1	296.3	297.3	298.3										20
22	264.1	265.4	266.6	267.6	268	268.5								22
24	237.9	239.3	240.5	241.7	242.1	242.6	236.3							24
26	215.5	217	218.3	219.5	220	220.5	221	218.5	195.4					26
28	196.1	197.6	199	200.2	200.8	201.3	201.9	202.1	189.8	181.2	166.3			28
30	179.1	180.7	182.1	183.4	184	184.5	185.1	185.4	184.2	176	162.1	153.3		30
32	164.1	165.8	167.2	168.5	169.1	169.7	170.4	170.7	170.6	170.5	158	149.4	118	32
34	148.4	151.5	154	155.4	156	156.6	157.2	157.6	157.5	157.5	153.9	145.6	118	34
36	132.7	135.7	138.1	140	141.5	142.7	143.8	144.6	145.3	145.8	145.9	141.8	118	36
38	119.2	122.1	124.5	126.4	127.8	128.9	130	130.8	131.5	131.9	132.4	132.7	118	38
40	107.6	110.4	112.7	114.6	115.9	117	118.1	118.9	119.5	119.9	120.4	120.7	118	40
42	97.3	100.1	102.3	104.2	105.5	106.6	107.7	108.4	109	109.4	109.9	110.1	111	42
44	88.3	91	93.2	95.1	96.4	97.5	98.5	99.2	99.8	100.2	100.6	100.8	101.7	44
46	80.3	83	85.1	87	88.2	89.3	90.3	91	91.5	91.9	92.4	92.6	93.4	46
48	73.1	75.8	77.9	79.7	80.9	82	83	83.7	84.2	84.6	85	85.2	86	48
50	66.6	69.3	71.4	73.2	74.4	75.4	76.4	77.1	77.6	77.9	78.3	78.5	79.3	50
55		55.5	57.6	59.4	60.5	61.5	62.5	63.2	63.6	63.9	64.3	64.5	65.2	55
60			46.6	48.3	49.4	50.4	51.4	52	52.4	52.7	53.1	53.3	53.9	60
65				39.3	40.3	41.3	42.3	42.9	43.2	43.5	43.9	44.1	44.7	65
70					32.8	33.7	34.7	35.3	35.6	35.9	36.3	36.4	37	70
75					26.4	27.3	28.2	28.9	29.2	29.4	29.8	29.9	30.5	75
80						21.8	22.7	23.3	23.6	23.9	24.2	24.4	25	80
85							17.9	18.6	18.8	19.1	19.4	19.5	20.1	85
90								14.4	14.6	14.9	15.2	15.3	15.9	90
95									10.9	11.2	11.5	11.6	12.1	95

with 44000 lbs carbody counterweight