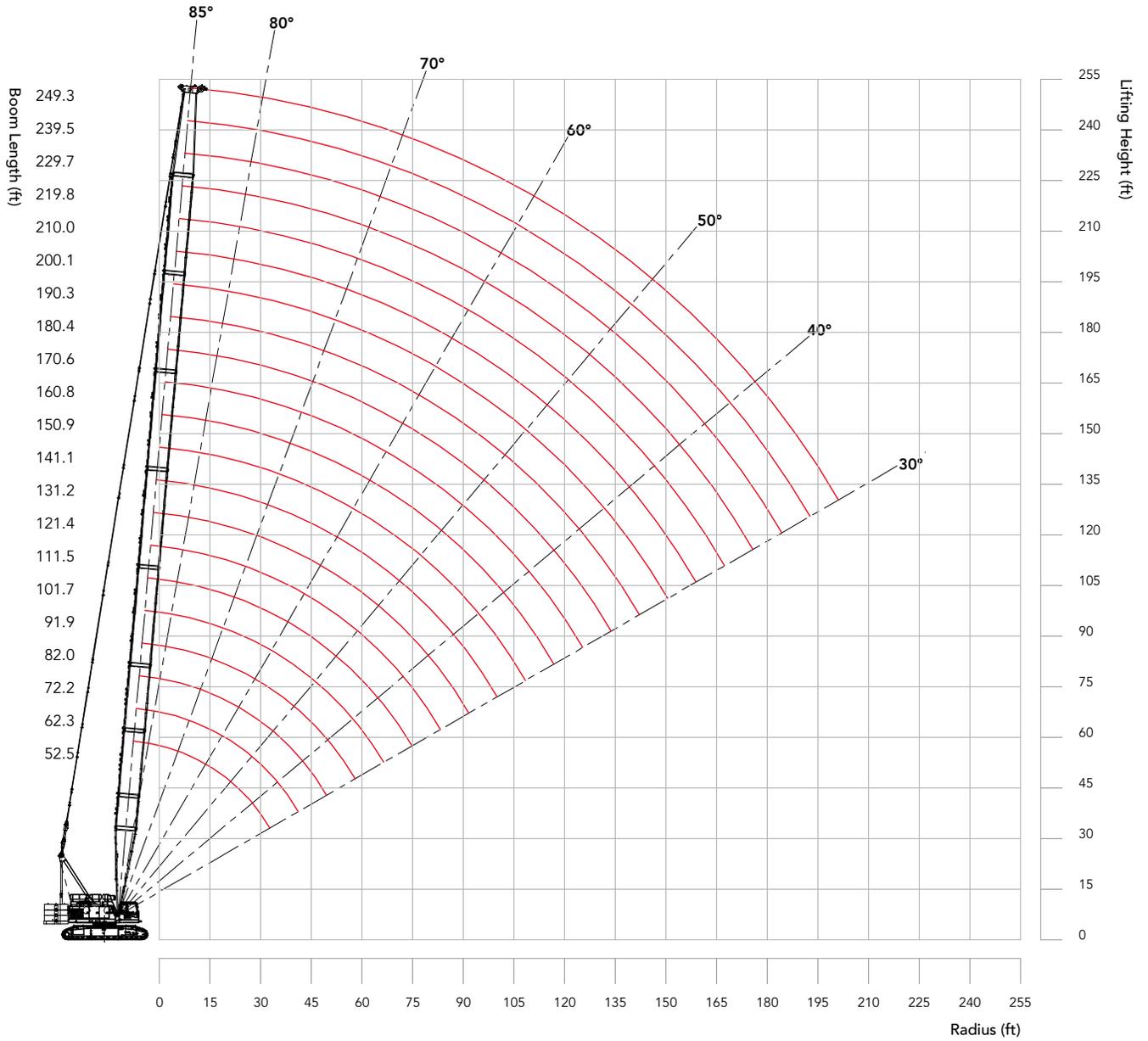


H Working Radius



Unit:klb

H Load Chart

Note:

1. The rated load in the load chart is calculated complying with ASME B30.5;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. See the Operation Manual for the complete load charts of HCM and HCa configurations.

SCA1350A crawler crane - H configuration load chart 1/6

Main hook, Boom 52.5~249.3ft, without aux tip extension

Boom length (ft)	52.5					62.3					72.2					Boom length (ft)
Counterweight (klb) Radius (ft)	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	Counterweight (klb) Radius (ft)
15	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
16	291.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
17	279.0	-	-	-	-	277.0	-	-	-	-	-	-	-	-	-	17
18	264.9	-	-	-	-	263.2	-	-	-	-	-	-	-	-	-	18
19	250.7	-	-	-	-	249.4	-	-	-	-	-	-	-	-	-	19
20	238.4	226.3	183.0	129.8	86.8	236.7	-	-	-	-	235.2	-	-	-	-	20
22	218.8	201.6	162.2	118.1	79.9	214.0	-	-	-	-	212.6	-	-	-	-	22
24	199.3	178.0	142.8	105.3	71.5	194.8	176.8	141.8	104.5	71.1	193.4	173.3	139.6	103.2	69.8	24
26	180.0	155.3	124.5	91.6	62.0	178.2	154.2	123.6	90.9	61.5	176.7	153.1	122.7	90.4	61.2	26
28	166.6	139.3	111.6	82.0	55.3	165.2	138.3	110.9	81.3	54.9	163.8	137.6	110.1	80.9	54.6	28
30	154.5	125.1	100.1	73.5	49.4	153.2	124.3	99.5	72.8	48.9	151.9	123.6	98.9	72.4	48.7	30
32	144.3	113.9	91.0	66.7	44.6	143.1	113.2	90.5	66.1	44.4	142.0	112.6	90.0	65.8	44.0	32
34	135.5	105.1	83.8	61.4	40.9	134.5	104.5	83.3	60.8	40.7	133.4	103.9	82.9	60.5	40.3	34
36	127.6	97.5	77.8	56.8	37.8	126.6	96.9	77.2	56.3	37.6	125.7	96.4	76.8	56.0	37.1	36
38	119.7	89.9	71.7	52.3	34.6	118.7	89.4	71.1	51.8	34.4	118.0	88.9	70.7	51.4	34.0	38
40	112.3	83.3	66.4	48.3	31.9	111.4	82.9	65.8	47.9	31.6	110.8	82.4	65.4	47.4	31.2	40
45	96.3	71.2	56.5	40.9	26.8	95.6	70.6	56.1	40.5	26.4	95.2	70.3	55.6	40.2	26.2	45
50	-	-	-	-	-	83.6	61.6	48.7	34.9	22.6	83.2	61.2	48.3	34.7	22.4	50
55	-	-	-	-	-	73.9	54.2	42.8	30.5	19.5	73.4	53.9	42.3	30.2	19.3	55
60	-	-	-	-	-	-	-	-	-	-	65.5	47.9	37.5	26.5	16.8	60
65	-	-	-	-	-	-	-	-	-	-	59.1	43.0	33.7	23.7	14.8	65
Parts of line	12	9	8	5	4	11	8	6	5	3	10	7	6	5	3	Parts of line

H Load Chart

SCA1350A crawler crane - H configuration load chart 2/6																
Main hook, Boom 52.5~249.3ft, without aux tip extension																
Boom length (ft)	82					91.9					101.7					Boom length (ft)
Counterweight (klb) Radius (ft)	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	Counterweight (klb) Radius (ft)
20	234.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
22	212.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
24	192.9	169.5	136.5	100.8	68.1	189.7	-	-	-	-	183.3	-	-	-	-	24
26	176.4	152.8	122.5	90.1	60.8	174.1	-	-	-	-	168.3	-	-	-	-	26
28	163.2	137.6	110.1	80.8	54.4	161.7	135.0	108.3	79.4	53.3	156.4	132.0	106.0	77.8	51.7	28
30	151.1	123.5	98.6	72.3	48.5	150.2	122.6	98.0	71.6	48.1	145.5	121.0	97.0	71.0	47.1	30
32	141.1	112.5	89.8	65.5	43.9	140.1	111.7	89.1	65.0	43.5	136.4	110.8	88.5	64.5	42.9	32
34	132.6	103.6	82.6	60.1	40.2	131.6	102.9	82.0	59.7	39.8	128.7	102.3	81.5	59.3	39.4	34
36	125.0	96.1	76.5	55.6	37.1	124.1	95.6	76.0	55.3	36.6	122.0	95.0	75.5	54.9	36.3	36
38	117.4	88.6	70.5	51.1	33.9	116.6	88.2	70.0	50.9	33.5	115.3	87.7	69.6	50.4	33.2	38
40	110.3	82.0	65.1	47.1	31.1	109.6	81.6	64.7	46.9	30.7	108.8	81.1	64.3	46.5	30.4	40
45	94.8	69.9	55.4	39.9	25.9	94.3	69.5	54.9	39.5	25.6	93.8	69.0	54.7	39.3	25.4	45
50	82.8	60.8	48.0	34.3	22.0	82.3	60.4	47.7	34.0	21.8	81.9	60.0	47.3	33.7	21.5	50
55	73.0	53.5	42.0	29.9	18.9	72.6	53.1	41.8	29.6	18.7	72.1	52.7	41.3	29.2	18.4	55
60	65.1	47.6	37.2	26.3	16.4	64.7	47.2	37.0	25.9	16.2	64.3	46.7	36.5	25.7	15.9	60
65	58.8	42.7	33.3	23.3	14.4	58.3	42.5	33.1	23.1	14.1	57.9	42.0	32.7	22.6	13.7	65
70	53.6	38.7	30.2	20.9	12.6	53.1	38.5	29.8	20.6	12.4	52.7	38.1	29.5	20.3	12.1	70
75	-	-	-	-	-	48.6	35.0	27.0	18.6	10.9	48.2	34.7	26.8	18.3	10.7	75
80	-	-	-	-	-	-	32.0	24.6	-	-	44.3	31.7	24.4	16.4	9.4	80
85	-	-	-	-	-	-	29.5	22.6	-	-	41.0	29.0	22.2	14.9	8.2	85
90	-	-	-	-	-	-	-	-	-	-	37.9	27.0	20.5	-	7.4	90
Parts of line	9	7	6	5	3	8	6	5	4	3	8	6	5	4	3	Parts of line

Unit:klb

H Load Chart

SCA1350A crawler crane - H configuration load chart 3/6

Main hook, Boom 52.5~249.3ft, without aux tip extension

Boom length (ft)	111.5					121.4					131.2					Boom length (ft)	
	Counterweight (klb) Radius (ft)	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0	0+0	119.0+ 441	95.9+0	72.8+0	26.5+0		0+0
24	177.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
26	163.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
28	151.6	128.1	102.8	75.3	49.9	147.6	-	-	-	-	137.3	-	-	-	-	28	
30	141.0	117.9	94.4	69.0	45.4	137.3	114.9	91.9	66.9	43.9	133.2	111.9	89.5	65.0	42.4	30	
32	132.3	109.4	87.3	63.7	41.8	128.9	106.9	85.3	62.0	40.4	125.0	104.1	83.1	60.1	39.1	32	
34	124.9	101.7	80.9	58.9	38.6	121.7	99.6	79.4	57.5	37.5	118.0	97.3	77.5	56.0	36.2	34	
36	118.3	94.3	75.0	54.4	35.6	115.4	92.9	73.9	53.4	34.8	111.8	91.2	72.5	52.3	33.7	36	
38	111.8	87.0	69.1	50.0	32.7	109.0	86.2	68.4	49.3	32.2	105.6	85.1	67.5	48.6	31.2	38	
40	105.7	80.5	63.8	46.0	30.0	103.3	80.1	63.4	45.6	29.8	100.0	79.4	62.9	45.2	28.9	40	
45	92.8	68.6	54.1	38.8	25.0	91.7	68.1	53.8	38.4	24.6	88.9	67.7	53.4	37.9	24.2	45	
50	81.4	59.5	46.8	33.2	21.2	81.0	59.1	46.4	32.9	20.7	79.5	58.6	46.1	32.5	20.5	50	
55	71.7	52.2	40.9	28.8	18.0	71.7	51.9	40.5	28.5	17.6	70.8	51.4	40.2	28.1	17.4	55	
60	63.8	46.3	36.1	25.2	15.5	63.8	46.0	35.6	24.8	15.0	62.9	45.6	35.4	24.6	14.8	60	
65	57.4	41.6	32.2	22.4	13.5	57.4	41.2	31.8	22.0	13.0	56.6	40.7	31.6	21.5	12.8	65	
70	52.2	37.6	29.1	20.0	11.8	52.2	37.2	28.6	19.5	11.3	51.5	36.9	28.3	19.2	11.1	70	
75	47.8	34.2	26.4	17.8	10.3	47.8	33.8	25.9	17.5	9.8	47.0	33.5	25.6	17.2	9.6	75	
80	43.9	31.3	23.9	15.9	9.0	43.9	30.9	23.5	15.7	8.6	43.0	30.4	23.3	15.3	8.3	80	
85	40.3	28.6	21.7	14.4	7.8	40.3	28.4	21.5	14.2	7.6	39.7	27.9	21.1	13.8	7.1	85	
90	37.4	26.5	20.0	13.1	6.9	37.4	26.2	19.6	12.8	6.5	36.8	25.7	19.4	12.4	6.1	90	
95	34.9	24.5	18.4	11.8	6.1	34.9	24.2	18.0	11.6	5.7	34.1	23.7	17.8	11.2	5.2	95	
100	-	-	-	-	-	32.6	22.4	16.6	10.5	-	31.8	22.0	16.3	10.1	-	100	
105	-	-	-	-	-	-	-	-	-	-	29.8	20.5	15.0	9.3	-	105	
110	-	-	-	-	-	-	-	-	-	-	27.9	19.0	13.8	8.4	-	110	
115	-	-	-	-	-	-	-	-	-	-	26.2	17.7	12.7	7.6	-	115	
Parts of line	7	6	5	4	3	6	5	4	3	2	6	5	4	3	2	Parts of line	

H Load Chart

SCA1350A crawler crane - H configuration load chart 4/6													
Main hook, Boom 52.5~249.3ft, without aux tip extension													
Boom length (ft)	141.1				150.9				160.8				Boom length (ft)
Counterweight (klb) Radius (ft)	119.0+ 441	95.9+0	72.8+0	26.5+0	119.0+ 441	95.9+0	72.8+0	26.5+0	119.0+ 441	95.9+0	72.8+0	26.5+0	Counterweight (klb) Radius (ft)
30	119.3	108.9	86.9	63.0	116.4	-	-	-	113.1	-	-	-	30
32	113.9	101.4	80.8	58.3	111.7	-	-	-	105.9	-	-	-	32
34	109.4	95.0	75.5	54.4	107.3	92.7	73.6	52.9	100.9	90.3	71.7	51.4	34
36	105.3	89.4	71.0	51.0	103.1	87.3	69.2	49.5	97.4	85.1	67.4	48.1	36
38	101.3	83.8	66.4	47.5	99.0	81.9	64.8	46.2	93.9	79.9	63.1	44.8	38
40	97.2	78.6	62.1	44.3	94.8	76.9	60.7	43.1	90.4	75.1	59.2	41.8	40
45	86.6	67.2	52.9	37.4	84.4	66.5	52.3	37.1	81.8	65.7	51.5	35.9	45
50	77.5	58.2	45.7	32.0	75.7	57.7	45.2	31.8	73.8	57.2	44.7	31.1	50
55	69.6	51.0	39.8	27.7	68.3	50.5	39.4	27.4	66.6	50.1	38.9	26.9	55
60	62.5	45.1	35.0	24.1	61.7	44.7	34.5	23.7	60.3	44.3	34.1	23.3	60
65	56.1	40.3	31.1	21.3	55.6	40.0	30.7	20.8	55.1	39.4	30.2	20.4	65
70	50.9	36.4	27.8	18.9	50.6	36.1	27.5	18.4	50.0	35.6	27.1	18.0	70
75	46.4	33.0	25.1	16.8	46.1	32.7	24.8	16.4	45.6	32.2	24.4	15.9	75
80	42.6	30.0	22.8	15.0	42.1	29.7	22.4	14.6	41.7	29.3	22.0	14.2	80
85	39.2	27.5	20.6	13.3	38.8	27.1	20.4	13.1	38.3	26.6	20.0	12.7	85
90	36.3	25.3	18.9	12.0	35.9	25.0	18.5	11.7	35.4	24.6	18.1	11.1	90
95	33.7	23.3	17.3	10.8	33.4	23.1	16.9	10.5	32.8	22.6	16.5	9.9	95
100	31.3	21.6	15.9	9.8	31.1	21.3	15.4	9.4	30.4	20.9	15.0	8.9	100
105	29.3	20.1	14.5	8.8	28.9	19.6	14.1	8.4	28.4	19.2	13.7	7.7	105
110	27.5	18.5	13.4	8.0	27.0	18.3	13.1	7.5	26.6	17.8	12.7	6.9	110
115	25.7	17.3	12.3	7.1	25.3	16.9	12.1	6.7	24.8	16.5	11.6	6.1	115
120	24.1	16.1	11.4	6.4	23.7	15.7	11.1	5.9	23.3	15.3	10.6	5.4	120
125	-	-	-	-	22.4	14.7	10.1	5.3	22.0	14.3	9.7	-	125
130	-	-	-	-	21.0	13.7	9.4	4.8	20.6	13.3	9.0	-	130
135	-	-	-	-	-	-	-	-	19.4	12.4	8.2	-	135
140	-	-	-	-	-	-	-	-	18.3	11.5	7.4	-	140
Parts of line	5	5	4	3	5	4	3	3	5	4	3	3	Parts of line

Unit:klb

H Load Chart

SCA1350A crawler crane - H configuration load chart 5/6

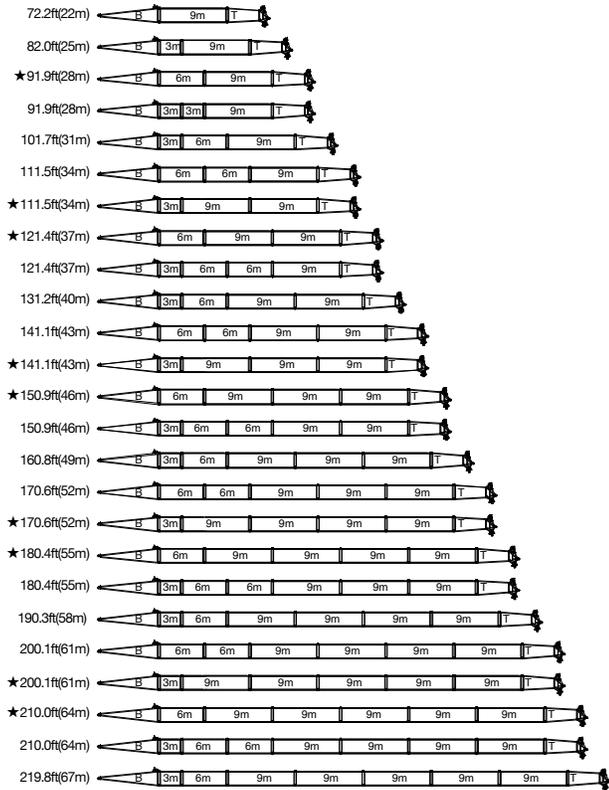
Main hook, Boom 52.5~249.3ft, without aux tip extension

Boom length (ft)	170.6			180.4			190.3			Boom length (ft)
Counterweight (klb)	119.0+44.1	95.9+0	72.8+0	119.0+44.1	95.9+0	72.8+0	119.0+44.1	95.9+0	72.8+0	Counterweight (klb)
Radius (ft)										Radius (ft)
34	98.9	88.2	69.8	96.9	-	-	86.8	-	-	34
36	96.1	83.1	65.7	94.2	-	-	84.1	-	-	36
38	93.4	78.0	61.5	91.4	-	-	81.4	-	-	38
40	90.2	73.4	57.7	88.3	71.8	56.4	79.1	70.1	54.9	40
45	80.1	64.3	50.1	78.3	62.7	49.0	75.2	61.4	47.6	45
50	72.1	56.5	43.9	70.3	55.6	43.1	68.6	54.3	41.9	50
55	65.1	49.7	38.5	63.5	49.2	37.9	62.0	48.2	37.0	55
60	59.0	43.9	33.7	57.7	43.4	33.2	56.2	43.0	32.8	60
65	53.8	39.2	29.8	52.6	38.7	29.5	51.3	38.3	29.1	65
70	49.4	35.2	26.7	48.3	34.7	26.3	47.0	34.3	25.9	70
75	45.2	31.8	23.9	44.4	31.4	23.6	43.3	30.9	23.1	75
80	41.3	28.9	21.5	40.8	28.5	21.3	40.0	28.0	20.8	80
85	37.9	26.4	19.5	37.5	25.9	19.1	37.0	25.5	18.6	85
90	35.0	24.2	17.7	34.6	23.7	17.4	34.1	23.3	16.9	90
95	32.5	22.2	16.1	32.0	21.8	15.8	31.6	21.3	15.3	95
100	30.2	20.4	14.8	29.7	20.0	14.3	29.3	19.6	13.7	100
105	28.0	18.7	13.4	27.5	18.5	13.0	27.1	18.1	12.3	105
110	26.1	17.4	12.3	25.7	17.0	11.8	25.3	16.6	11.3	110
115	24.5	16.2	11.2	24.1	15.7	10.8	23.6	15.3	10.2	115
120	23.0	15.0	10.3	22.6	14.5	9.8	22.1	14.1	9.2	120
125	21.5	13.8	9.4	21.1	13.4	9.0	20.6	12.9	8.3	125
130	20.2	12.8	8.6	19.7	12.5	8.1	19.3	12.1	7.5	130
135	19.0	11.9	7.9	18.6	11.6	7.4	18.2	11.1	6.8	135
140	17.8	11.1	7.2	17.6	10.7	6.8	17.1	10.3	6.1	140
145	16.8	10.3	6.5	16.4	10.0	6.1	16.0	9.6	5.4	145
150	15.8	9.6	5.9	15.6	9.2	5.6	15.1	8.7	4.7	150
155	-	-	-	14.6	8.5	5.0	14.2	8.0	-	155
160	-	-	-	-	-	-	13.3	7.5	-	160
Parts of line	4	4	3	4	3	3	4	3	3	Parts of line

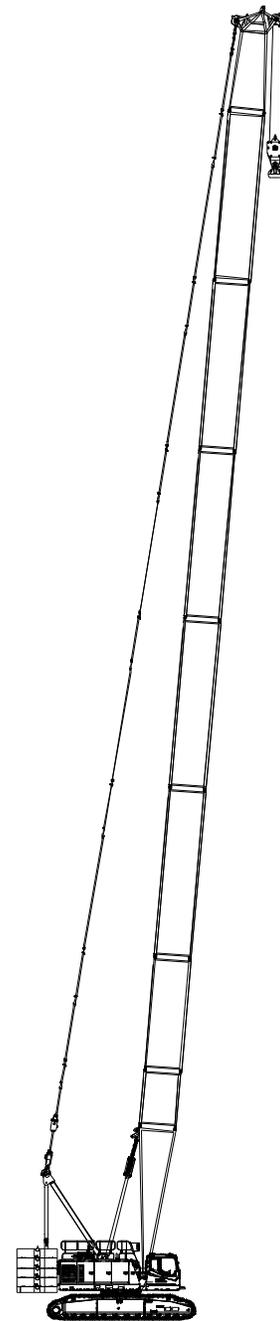
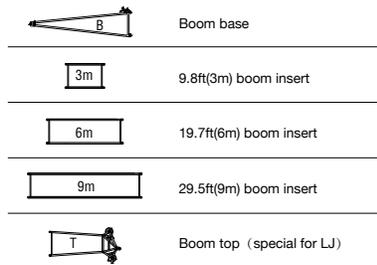
H Load Chart

SCA1350A crawler crane - H configuration load chart 6/6										
Main hook, Boom 52.5~249.3ft, without aux tip extension										
Boom length (ft)	200.1		210		219.8		229.7	239.5	249.3	Boom length (ft)
Counterweight (klb)	119.0+44.1	95.9+0	119.0+44.1	95.9+0	119.0+44.1	95.9+0	119.0+44.1	119.0+44.1	119.0+44.1	Counterweight (klb)
Radius (ft)										Radius (ft)
40	77.4	68.4	72.0	-	66.0	-	60.4	52.9	49.7	40
45	73.7	60.0	69.1	-	63.5	-	58.9	52.7	49.1	45
50	67.1	53.1	64.5	51.8	60.3	50.5	56.9	51.9	48.4	50
55	60.5	47.2	59.1	46.1	56.5	45.0	54.3	50.8	47.5	55
60	54.9	42.2	53.6	41.1	52.2	40.2	50.9	49.1	46.1	60
65	50.0	37.8	48.9	37.1	47.5	36.0	46.4	45.2	43.9	65
70	45.8	34.0	44.7	33.5	43.6	32.7	42.5	41.5	40.4	70
75	42.2	30.6	41.1	30.3	40.1	29.5	39.0	38.1	37.0	75
80	39.0	27.6	37.9	27.3	37.0	26.5	35.9	35.0	33.9	80
85	36.1	25.1	35.0	24.6	34.1	24.0	33.2	32.1	31.2	85
90	33.6	22.9	32.5	22.6	31.6	21.8	30.7	29.8	28.9	90
95	31.1	20.9	30.2	20.7	29.3	19.8	28.4	27.6	26.7	95
100	28.9	19.1	28.1	18.9	27.2	18.0	26.3	25.6	24.8	100
105	26.9	17.6	26.2	17.2	25.3	16.5	24.5	23.8	22.9	105
110	25.0	16.3	24.5	15.8	23.7	15.0	22.8	22.1	21.2	110
115	23.3	14.9	22.9	14.5	22.1	13.7	21.2	20.6	19.7	115
120	21.7	13.7	21.3	13.3	20.6	12.6	19.8	19.1	18.2	120
125	20.2	12.7	20.0	12.3	19.1	11.4	18.4	17.8	16.9	125
130	19.0	11.7	18.6	11.3	17.9	10.4	17.3	16.6	15.7	130
135	17.8	10.8	17.4	10.3	16.7	9.5	16.1	15.4	14.5	135
140	16.7	10.0	16.3	9.3	15.6	8.7	15.0	14.3	13.4	140
145	15.7	9.2	15.3	8.5	14.6	7.8	14.0	13.3	12.5	145
150	14.7	8.5	14.3	7.8	13.6	7.2	13.0	12.3	11.6	150
155	13.9	7.8	13.4	7.2	12.8	6.5	12.1	11.4	10.8	155
160	13.0	7.2	12.6	6.5	11.9	5.8	11.3	10.6	9.9	160
165	12.2	-	11.8	-	11.1	-	10.4	9.8	9.1	165
170	11.5	-	11.1	-	10.4	-	9.8	9.1	8.5	170
175	10.7	-	10.4	-	9.8	-	9.1	8.4	7.8	175
180	-	-	9.8	-	9.1	-	8.4	7.8	7.1	180
185	-	-	-	-	8.5	-	7.8	7.1	6.3	185
190	-	-	-	-	8.0	-	7.3	6.6	5.3	190
195	-	-	-	-	-	-	6.6	6.0	-	195
200	-	-	-	-	-	-	6.1	-	-	200
Parts of line	3	3	3	3	3	3	3	2	2	Parts of line

Hh Configuration

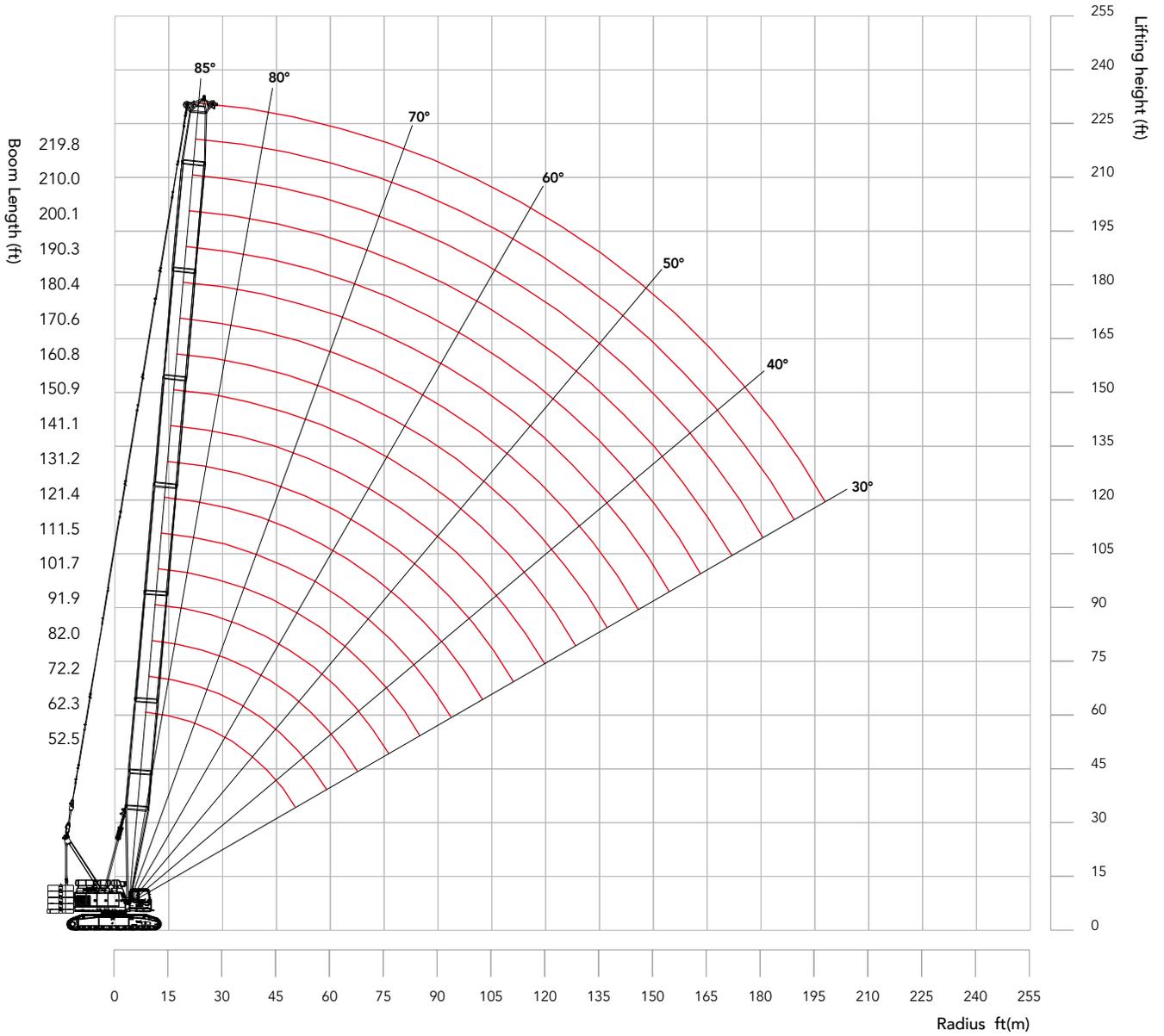


Note: The boom combinations with "★" are recommended configurations.



Hh Configuration
72.2ft~219.8ft(22m~67m)

Hh Working Radius



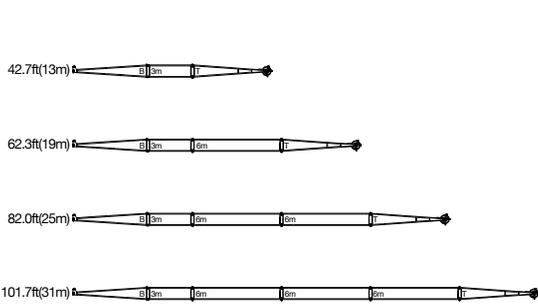
Unit:klb

Hh Load Chart

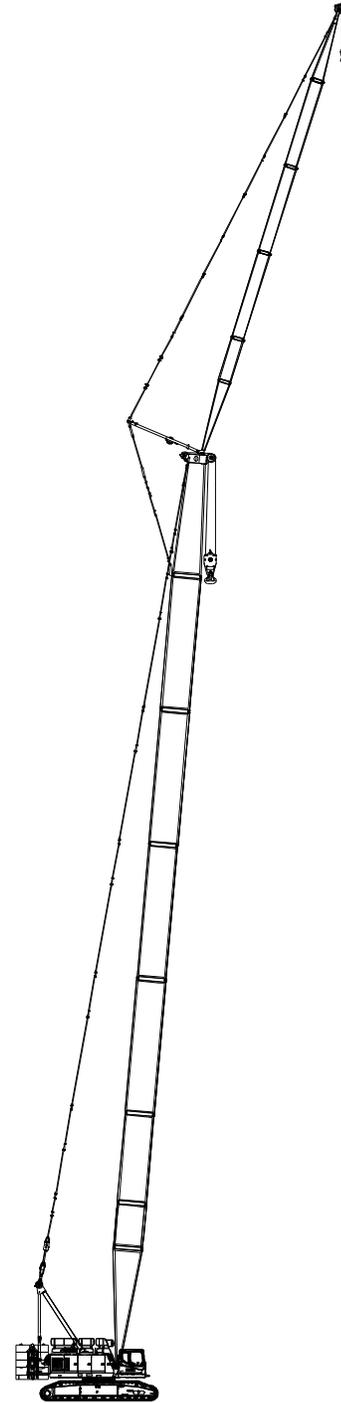
SCA1350A crawler crane - Hh configuration load chart

Main hook, Boom 72.2~219.8ft, Rear counterweight 119 klbs, Carbody counterweight 44.1klbs																		
Boom length (ft) Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	180.4	190.3	200.1	210	219.8	Boom length (ft) Radius (ft)	
24	158.3	157.7	157.1	-	-	-	-	-	-	-	-	-	-	-	-	-	24	
26	157.3	156.5	155.6	-	-	-	-	-	-	-	-	-	-	-	-	-	26	
28	155.9	154.8	153.9	151.0	148.2	145.9	137.3	127.8	-	-	-	-	-	-	-	-	28	
30	152.4	151.1	150.2	145.5	141.0	137.3	133.2	119.3	116.4	113.1	105.6	104.0	92.9	-	-	-	30	
32	142.5	141.1	140.1	136.4	132.3	128.9	125.0	113.9	111.7	105.9	102.0	100.1	89.7	-	-	-	32	
34	133.8	132.6	131.6	128.7	124.9	121.7	118.0	109.4	107.3	100.9	98.9	96.9	86.8	83.1	74.8	67.8	34	
36	126.1	125.0	124.1	122.0	118.3	115.4	111.8	105.3	103.1	97.4	96.1	94.2	84.1	81.1	73.9	67.3	36	
38	118.4	117.4	116.6	115.3	111.8	109.0	105.6	101.3	99.0	93.9	93.4	91.4	81.4	79.2	73.0	66.7	38	
40	111.1	110.3	109.6	108.8	105.7	103.3	100.0	97.2	94.8	90.4	90.2	88.2	79.0	77.0	71.9	66.0	40	
45	95.5	94.8	94.3	93.8	92.8	91.7	88.9	86.6	84.4	81.8	80.1	77.6	73.9	70.6	68.2	63.5	45	
50	83.4	82.8	82.3	81.9	81.4	81.0	79.5	77.5	75.7	73.8	72.1	69.2	66.5	63.6	61.6	58.4	50	
55	73.6	73.0	72.6	72.1	71.7	71.7	70.8	69.6	68.3	66.6	65.1	62.0	59.7	57.2	55.1	52.9	55	
60	65.6	65.1	64.7	64.3	63.8	63.8	62.9	62.5	61.7	60.3	59.0	55.8	53.9	51.8	49.6	47.9	60	
65	59.2	58.8	58.3	57.9	57.4	57.4	56.6	56.1	55.6	55.1	53.8	51.1	48.9	46.9	45.1	43.5	65	
70	-	53.6	53.1	52.7	52.2	52.2	51.5	50.9	50.6	50.0	49.4	46.8	44.9	42.9	41.4	39.7	70	
75	-	-	48.6	48.2	47.8	47.8	47.0	46.4	46.1	45.6	45.2	42.9	41.2	39.4	38.1	36.3	75	
80	-	-	-	44.3	43.9	43.9	43.0	42.6	42.1	41.7	41.3	39.4	37.9	36.4	35.0	33.3	80	
85	-	-	-	41.0	40.3	40.3	39.7	39.2	38.8	38.3	37.9	36.5	35.0	33.7	32.1	30.8	85	
90	-	-	-	37.9	37.4	37.4	36.8	36.3	35.9	35.4	35.0	33.8	32.5	31.1	29.6	28.4	90	
95	-	-	-	-	34.8	34.9	34.1	33.7	33.4	32.8	32.5	31.5	30.2	28.8	27.5	26.3	95	
100	-	-	-	-	-	32.5	31.8	31.3	31.1	30.4	30.2	29.3	28.0	26.7	25.6	24.4	100	
105	-	-	-	-	-	-	29.8	29.3	28.9	28.4	28.0	27.1	26.0	24.7	23.8	22.7	105	
110	-	-	-	-	-	-	27.6	27.5	27.0	26.6	26.1	25.1	24.2	23.2	22.1	21.0	110	
115	-	-	-	-	-	-	25.0	25.4	25.3	24.8	24.3	23.4	22.4	21.7	20.6	19.5	115	
120	-	-	-	-	-	-	-	23.2	23.4	23.2	22.4	21.8	20.9	20.1	19.0	18.0	120	
125	-	-	-	-	-	-	-	-	21.3	21.5	20.6	20.0	19.5	18.6	17.5	16.7	125	
130	-	-	-	-	-	-	-	-	19.4	19.6	19.1	18.6	18.0	17.1	16.2	15.5	130	
135	-	-	-	-	-	-	-	-	-	18.0	17.5	17.3	16.7	16.0	15.0	14.4	135	
140	-	-	-	-	-	-	-	-	-	16.4	15.9	15.9	15.5	14.8	14.0	13.4	140	
145	-	-	-	-	-	-	-	-	-	-	14.6	14.6	14.2	13.5	13.1	12.2	145	
150	-	-	-	-	-	-	-	-	-	-	13.2	13.2	13.0	12.3	11.9	11.2	150	
155	-	-	-	-	-	-	-	-	-	-	-	11.9	11.7	11.4	10.9	10.2	155	
160	-	-	-	-	-	-	-	-	-	-	-	-	10.5	10.4	9.9	9.2	160	
165	-	-	-	-	-	-	-	-	-	-	-	-	-	9.2	9.0	8.2	165	
170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.1	7.8	170	
175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	7.0	175	
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	5.9	180
Parts of line	6	6	6	6	6	6	6	6	6	5	5	5	4	4	4	3	3	Parts of line

FJ Configuration

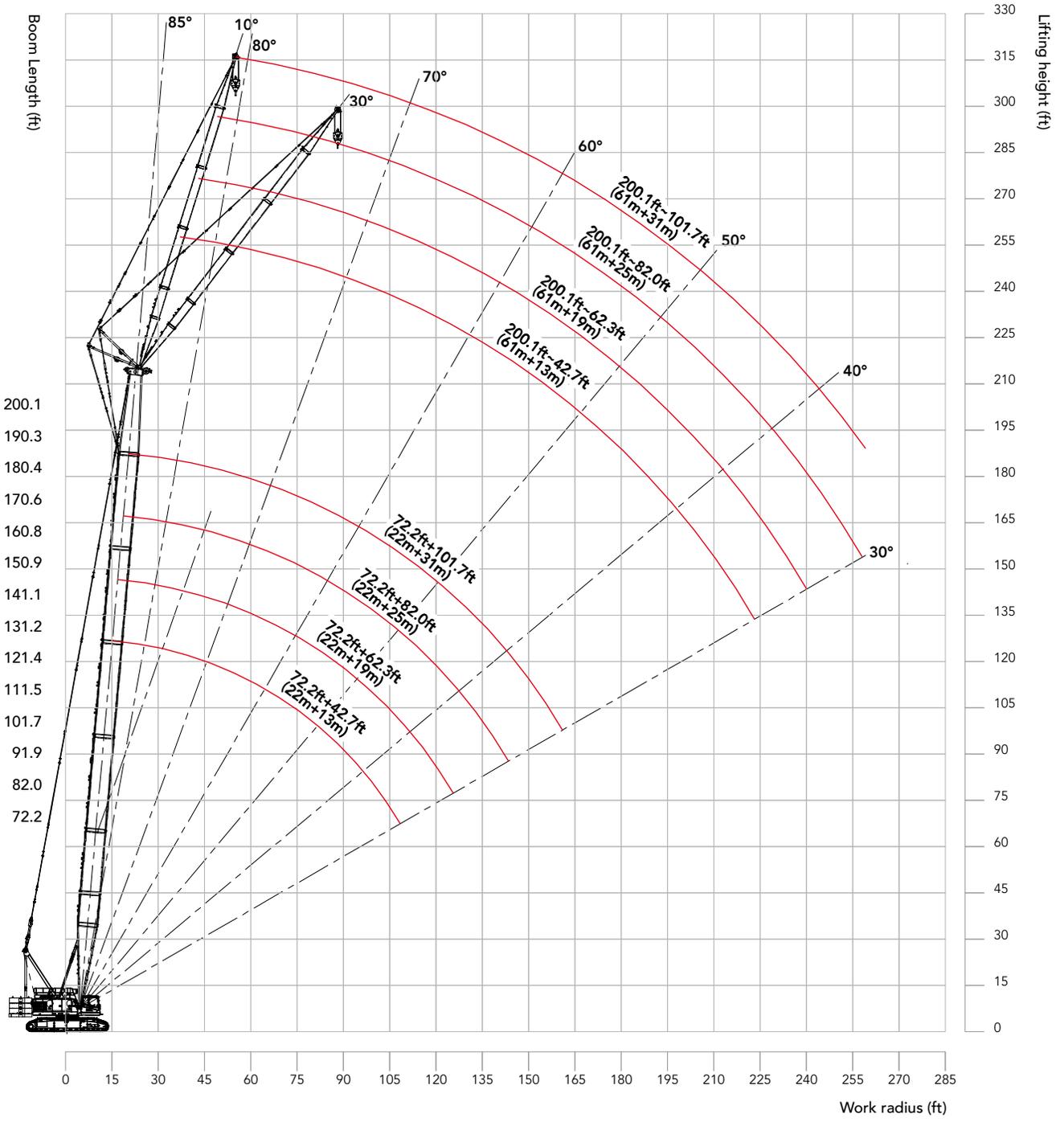


	16.4ft(5m)	Jib base
	16.4ft(5m)	Jib top
	19.7ft(6m)	Jib insert
	9.8 ft(3m)	Jib insert



FJ Configuration
 (72.2ft~200.1ft)+(42.7ft~101.7ft)
 (22m~61m)+(13m~31m)

FJ Working Radius



FJ Load Chart

Note:

1. The rated load in the load chart is calculated complying with ASME B30.5.
2. The working radius is the horizontal distance from the load center to the swing center.
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. When the jib length is 42.7ft (13m), 1 part of line shall not be permitted.
7. See the Operation Manual for the complete load charts of FJ, FJm and FJa configurations.

SCA1350A crawler crane - FJ configuration load chart 1/4															
Aux. hook, Boom 72.2~200.1ft, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, Jib 42.7ft, Boom to jib angle 10°, without main hook															
Fixed jib length Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	180.4	190.3	200.1	Fixed jib length Radius (ft)
30	59.5	59.5	-	-	-	-	-	-	-	-	-	-	-	-	30
32	59.5	59.5	-	-	-	-	-	-	-	-	-	-	-	-	32
34	59.5	59.3	59.5	59.1	59.1	-	-	-	-	-	-	-	-	-	34
36	59.4	59.0	59.3	59.1	59.1	-	-	-	-	-	-	-	-	-	36
38	59.4	58.7	59.2	59.1	59.1	-	-	-	-	-	-	-	-	-	38
40	59.2	58.3	58.9	59.0	59.0	58.4	56.9	55.3	-	-	-	-	-	-	40
45	58.0	57.1	57.8	58.1	58.5	58.4	56.9	55.3	-	-	-	-	-	-	45
50	56.9	55.7	56.5	56.9	57.5	57.7	56.8	55.5	53.8	52.0	50.5	48.5	-	-	50
55	56.0	54.5	55.2	55.4	56.1	56.6	56.2	55.0	53.5	51.8	50.0	47.9	46.7	44.9	55
60	55.1	53.5	53.8	53.6	54.5	54.9	54.9	53.3	52.4	50.7	48.7	46.6	45.9	44.2	60
65	53.7	52.0	51.6	51.6	52.1	52.5	51.4	49.8	48.5	47.2	46.0	44.6	43.5	42.3	65
70	51.5	50.0	49.6	49.3	49.5	49.3	47.8	46.3	45.1	43.8	42.7	41.5	40.4	39.3	70
75	48.4	47.5	47.0	46.6	46.4	46.0	44.6	43.1	42.0	40.7	39.6	38.6	37.5	36.4	75
80	44.8	44.3	43.9	43.5	43.0	42.8	41.6	40.4	39.3	38.0	36.9	36.0	34.9	33.8	80
85	41.4	41.0	40.5	40.1	39.7	39.6	39.0	37.8	36.7	35.6	34.5	33.6	32.5	31.7	85
90	38.5	38.1	37.7	37.4	36.9	36.8	36.1	35.5	34.5	33.4	32.5	31.5	30.5	29.6	90
95	36.0	35.6	35.1	34.8	34.3	34.2	33.6	33.1	32.5	31.7	30.6	29.6	28.7	27.8	95
100	33.8	33.3	32.9	32.4	32.0	31.9	31.3	30.9	30.4	30.0	28.9	27.9	27.0	26.1	100
105	-	31.1	30.9	30.4	30.0	29.8	29.1	28.9	28.4	28.0	27.5	26.2	25.4	24.5	105
110	-	29.4	29.0	28.6	28.1	28.1	27.4	27.0	26.6	26.1	25.7	25.2	24.5	23.1	110
115	-	-	27.3	27.0	26.5	26.4	25.7	25.3	24.8	24.5	24.1	23.7	23.2	22.0	115
120	-	-	25.7	25.4	25.0	24.8	24.2	23.7	23.3	23.0	22.6	22.2	21.8	20.9	120
125	-	-	-	23.9	23.5	23.5	22.8	22.4	22.0	21.5	21.1	20.9	20.4	19.5	125
130	-	-	-	22.8	22.3	22.2	21.5	21.0	20.6	20.3	19.9	19.5	19.1	18.4	130
135	-	-	-	-	21.2	20.9	20.3	19.8	19.5	19.2	18.7	18.3	17.8	17.3	135
140	-	-	-	-	-	19.8	19.2	18.7	18.4	18.1	17.6	17.2	16.7	16.3	140
145	-	-	-	-	-	-	18.2	17.7	17.3	17.1	16.6	16.2	15.7	15.3	145
150	-	-	-	-	-	-	17.3	16.9	16.5	16.1	15.6	15.4	14.7	14.3	150
155	-	-	-	-	-	-	16.4	15.9	15.6	15.2	14.7	14.4	13.9	13.4	155
160	-	-	-	-	-	-	-	15.1	14.8	14.3	13.9	13.5	13.0	12.6	160
165	-	-	-	-	-	-	-	-	14.0	13.5	13.1	12.6	12.2	11.7	165
170	-	-	-	-	-	-	-	-	13.3	12.7	12.2	11.8	11.3	10.9	170
175	-	-	-	-	-	-	-	-	-	12.0	11.5	11.1	10.6	10.2	175
180	-	-	-	-	-	-	-	-	-	11.3	10.9	10.4	10.0	9.5	180
185	-	-	-	-	-	-	-	-	-	-	10.2	9.8	9.3	8.9	185
190	-	-	-	-	-	-	-	-	-	-	9.7	9.3	8.6	8.2	190
195	-	-	-	-	-	-	-	-	-	-	-	8.6	8.1	7.7	195
200	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.3	200
205	-	-	-	-	-	-	-	-	-	-	-	-	7.3	6.8	205
210	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	210
215	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	215
Parts of line	3	3	3	3	3	3	3	3	3	2	2	2	2	2	Parts of line

Unit:klb

FJ Load Chart

SCA1350A crawler crane - FJ configuration load chart 2/4															
Aux. hook, Boom 72.2~200.1ft, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, Jib 42.7ft, Boom to jib angle 10°, without main hook															
Fixed jib length (ft) Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	180.4	190.3	200.1	Fixed jib length (ft) Radius (ft)
55	15.9	15.9	-	-	-	-	-	-	-	-	-	-	-	-	55
60	15.5	15.5	15.5	15.5	15.4	-	-	-	-	-	-	-	-	-	60
65	15.0	15.0	15.2	15.2	15.0	-	-	-	-	-	-	-	-	-	65
70	14.6	14.6	14.7	14.8	14.7	14.7	14.7	14.6	-	-	-	-	-	-	70
75	14.2	14.2	14.3	14.4	14.4	14.4	14.4	14.3	14.3	14.1	14.0	13.9	-	-	75
80	13.8	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9	13.8	13.7	13.5	13.2	80
85	13.4	13.4	13.6	13.6	13.6	13.8	13.8	13.6	13.6	13.6	13.7	13.4	13.3	13.1	85
90	13.0	13.0	13.2	13.3	13.3	13.4	13.4	13.3	13.3	13.3	13.4	13.2	13.0	12.8	90
95	12.7	12.7	12.9	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.7	12.7	95
100	12.4	12.5	12.6	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.5	12.5	100
105	12.1	12.2	12.2	12.4	12.4	12.6	12.6	12.6	12.6	12.6	12.6	12.4	12.4	12.2	105
110	11.8	11.8	12.0	12.1	12.1	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.1	12.1	110
115	11.4	11.5	11.7	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9	115
120	11.1	11.3	11.4	11.6	11.6	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.6	120
125	10.7	11.0	11.2	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4	125
130	10.4	10.8	10.9	11.1	11.1	11.2	11.3	11.3	11.3	11.3	11.3	11.4	11.3	11.2	130
135	10.2	10.4	10.7	10.8	10.8	11.0	11.0	11.1	11.1	11.1	11.0	11.2	11.1	11.1	135
140	9.8	10.1	10.4	10.6	10.6	10.8	10.8	10.9	10.9	11.0	10.7	11.0	11.0	10.9	140
145	9.5	10.0	10.2	10.3	10.5	10.5	10.7	10.7	10.7	10.8	10.6	10.8	10.8	10.7	145
150	9.2	9.7	10.0	10.2	10.2	10.4	10.4	10.5	10.5	10.6	10.5	10.6	10.6	10.5	150
155	9.0	9.4	9.8	10.0	10.1	10.1	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	155
160	-	9.0	9.5	9.8	9.9	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.3	160
165	-	8.8	9.3	9.6	9.7	9.8	10.0	10.0	10.0	10.0	10.1	10.1	10.1	10.1	165
170	-	8.7	9.0	9.2	9.5	9.7	9.7	9.7	9.9	9.9	9.9	9.9	9.9	9.9	170
175	-	-	8.8	9.1	9.4	9.6	9.6	9.6	9.7	9.7	9.6	9.6	9.6	9.6	175
180	-	-	-	8.8	9.2	9.4	9.4	9.4	9.6	9.6	9.4	9.4	9.4	9.4	180
185	-	-	-	-	9.0	9.3	9.3	9.3	9.5	9.4	9.2	9.2	9.2	9.2	185
190	-	-	-	-	8.8	9.0	9.2	9.1	9.3	9.3	9.0	9.0	9.0	8.8	190
195	-	-	-	-	8.6	8.8	9.0	8.8	8.9	9.1	8.9	8.9	8.9	8.5	195
200	-	-	-	-	-	-	8.8	8.5	8.6	8.8	8.7	8.7	8.6	8.1	200
205	-	-	-	-	-	-	8.4	8.3	8.3	8.5	8.5	8.5	8.2	7.6	205
210	-	-	-	-	-	-	-	-	7.9	8.2	8.2	8.2	7.7	7.1	210
215	-	-	-	-	-	-	-	-	7.4	7.8	7.8	7.6	7.2	6.7	215
220	-	-	-	-	-	-	-	-	7.0	7.5	7.5	7.1	6.7	6.3	220
225	-	-	-	-	-	-	-	-	6.7	7.1	7.1	6.7	6.2	5.8	225
230	-	-	-	-	-	-	-	-	-	6.8	6.8	6.4	5.7	5.3	230
235	-	-	-	-	-	-	-	-	-	6.5	6.3	5.8	5.4	4.9	235
240	-	-	-	-	-	-	-	-	-	-	-	5.5	5.0	-	240
245	-	-	-	-	-	-	-	-	-	-	-	5.1	4.8	-	245
250	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	250
255	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	255
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

FJ Load Chart

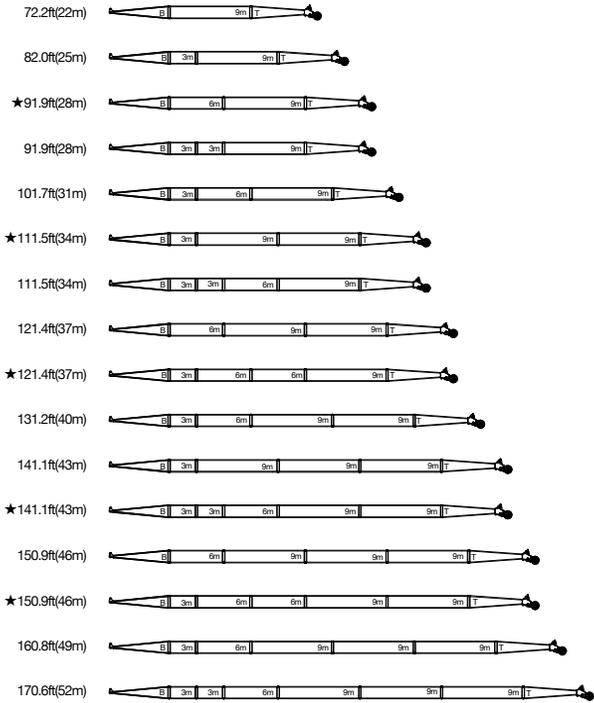
SCA1350A crawler crane - FJ configuration load chart 3/4															
Aux. hook, Boom 72.2~200.1ft, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, Jib 42.7ft, Boom to jib angle 10°, without main hook															
Fixed jib length Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	180.4	190.3	200.1	Fixed jib length Radius (ft)
40	51.6	50.8	-	-	-	-	-	-	-	-	-	-	-	-	40
45	50.3	49.4	-	-	-	-	-	-	-	-	-	-	-	-	45
50	48.8	48.1	47.8	47.5	47.2	-	-	-	-	-	-	-	-	-	50
55	47.0	46.3	46.1	46.0	45.7	45.5	45.3	45.1	-	-	-	-	-	-	55
60	44.9	44.3	44.0	44.0	43.7	43.5	43.3	43.1	42.9	42.6	42.4	42.2	-	-	60
65	43.4	42.7	42.5	42.3	41.9	41.7	41.5	41.2	41.0	40.8	40.6	40.4	-	-	65
70	41.9	41.2	40.7	40.3	40.0	39.7	39.5	39.2	39.0	38.8	38.6	38.4	38.1	37.3	70
75	40.5	39.8	39.1	38.7	38.4	38.0	37.8	37.6	37.4	37.2	36.8	36.6	36.3	35.7	75
80	39.2	38.5	37.8	37.4	36.9	36.7	36.4	36.2	36.0	35.8	35.3	35.1	34.6	34.1	80
85	38.0	37.1	36.5	36.0	35.6	35.4	34.9	34.7	34.5	34.3	33.8	33.6	32.7	31.9	85
90	36.8	35.9	35.3	34.8	34.5	34.3	33.9	33.7	33.4	33.2	32.5	31.6	30.7	29.8	90
95	35.5	34.7	34.0	33.7	33.4	33.1	32.7	32.4	32.2	31.7	30.8	29.8	28.9	28.0	95
100	34.0	33.0	32.6	32.4	32.1	31.8	31.3	31.0	30.8	29.9	29.1	28.2	27.3	26.4	100
105	-	30.9	31.3	30.9	30.6	30.4	30.0	29.5	29.3	28.2	27.6	26.7	25.8	24.9	105
110	-	29.3	29.3	29.0	28.6	28.6	28.1	27.7	27.5	26.9	26.0	25.2	24.4	23.6	110
115	-	27.8	27.6	27.3	27.0	26.8	26.4	26.0	25.7	25.3	24.8	24.1	23.1	22.3	115
120	-	-	26.1	25.7	25.4	25.3	24.8	24.3	24.1	23.7	23.5	23.0	22.0	21.2	120
125	-	-	-	24.2	23.9	23.9	23.3	22.8	22.6	22.2	22.0	21.5	21.3	20.0	125
130	-	-	-	22.8	22.6	22.6	21.9	21.7	21.3	20.8	20.6	20.3	19.9	19.3	130
135	-	-	-	-	21.4	21.4	20.7	20.4	20.1	19.6	19.4	19.0	18.7	18.3	135
140	-	-	-	-	20.2	20.2	19.6	19.2	19.0	18.5	18.2	17.8	17.6	17.2	140
145	-	-	-	-	-	19.0	18.6	18.2	17.9	17.5	17.1	16.8	16.4	16.2	145
150	-	-	-	-	-	18.0	17.6	17.2	16.9	16.5	16.2	15.8	15.4	15.2	150
155	-	-	-	-	-	-	16.6	16.3	15.9	15.6	15.3	15.0	14.5	14.2	155
160	-	-	-	-	-	-	-	15.4	15.0	14.8	14.3	14.0	13.7	13.2	160
165	-	-	-	-	-	-	-	-	14.2	13.9	13.5	13.1	12.8	12.4	165
170	-	-	-	-	-	-	-	-	13.5	13.1	12.7	12.4	12.0	11.6	170
175	-	-	-	-	-	-	-	-	12.7	12.3	12.0	11.6	11.2	10.7	175
180	-	-	-	-	-	-	-	-	-	11.5	11.2	10.9	10.4	10.0	180
185	-	-	-	-	-	-	-	-	-	-	10.4	10.2	9.7	9.3	185
190	-	-	-	-	-	-	-	-	-	-	9.7	9.5	9.1	8.6	190
195	-	-	-	-	-	-	-	-	-	-	-	8.8	8.4	8.1	195
200	-	-	-	-	-	-	-	-	-	-	-	8.3	7.8	7.5	200
205	-	-	-	-	-	-	-	-	-	-	-	-	7.3	6.9	205
210	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	210
215	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	215
Parts of line	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Parts of line

Unit:klb

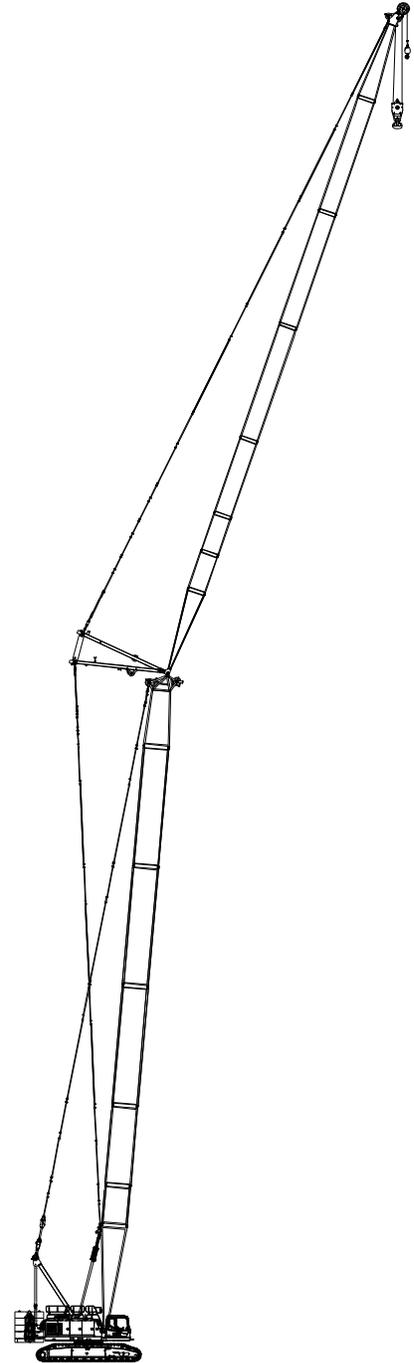
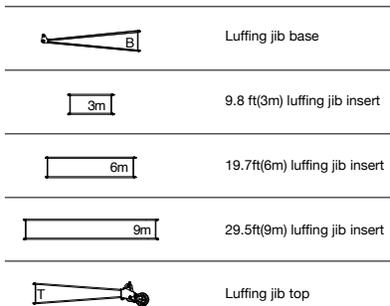
FJ Load Chart

SCA1350A crawler crane - FJ configuration load chart 4/4															
Aux. hook, Boom 72.2~200.1ft, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, Jib 42.7ft, Boom to jib angle 10°, without main hook															
Fixed jib length (ft) Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	180.4	190.3	200.1	Fixed jib length (ft) Radius (ft)
80	12.0	12.1	-	-	-	-	-	-	-	-	-	-	-	-	80
85	11.6	11.8	-	-	-	-	-	-	-	-	-	-	-	-	85
90	11.2	11.4	11.4	11.4	11.3	-	-	-	-	-	-	-	-	-	90
95	10.9	11.1	11.0	11.1	11.0	11.4	11.3	11.3	-	-	-	-	-	-	95
100	10.6	10.8	10.7	10.8	10.8	11.2	11.0	11.0	11.0	11.0	11.2	11.2	-	-	100
105	10.2	10.4	10.4	10.6	10.6	10.9	10.8	10.8	10.8	10.8	11.0	11.0	11.1	11.0	105
110	10.0	10.1	10.2	10.3	10.2	10.7	10.5	10.5	10.6	10.6	10.7	10.8	10.9	10.9	110
115	9.7	9.9	9.9	10.1	10.0	10.4	10.3	10.3	10.3	10.4	10.5	10.6	10.6	10.7	115
120	9.5	9.7	9.7	9.9	9.8	10.2	10.1	10.1	10.1	10.2	10.2	10.4	10.4	10.5	120
125	9.4	9.5	9.5	9.7	9.5	9.9	9.9	10.0	9.8	10.0	9.9	10.2	10.3	10.4	125
130	9.1	9.3	9.3	9.5	9.3	9.6	9.7	9.7	9.7	9.9	9.9	10.0	10.1	10.2	130
135	9.0	9.1	9.2	9.2	9.1	9.4	9.5	9.6	9.6	9.7	9.8	9.9	9.9	10.0	135
140	8.9	9.0	9.0	9.0	9.0	9.2	9.4	9.4	9.5	9.5	9.6	9.7	9.8	9.8	140
145	8.8	8.9	8.8	8.8	8.8	9.0	9.3	9.3	9.3	9.4	9.5	9.5	9.7	9.7	145
150	8.6	8.8	8.6	8.8	8.8	8.8	9.2	9.1	9.1	9.2	9.4	9.4	9.5	9.5	150
155	8.4	8.6	8.5	8.7	8.7	8.7	8.9	8.9	8.9	9.1	9.3	9.3	9.4	9.3	155
160	8.4	8.5	8.4	8.5	8.6	8.6	8.7	8.8	8.8	9.0	9.1	9.1	9.2	9.2	160
165	-	8.4	8.3	8.4	8.6	8.6	8.6	8.7	8.7	8.9	9.0	9.0	9.0	9.0	165
170	-	8.2	8.2	8.3	8.4	8.4	8.4	8.7	8.6	8.7	8.9	8.9	8.8	8.8	170
175	-	8.0	8.0	8.2	8.3	8.2	8.2	8.6	8.5	8.6	8.7	8.8	8.7	8.7	175
180	-	-	7.8	8.1	8.2	8.2	8.2	8.5	8.3	8.5	8.5	8.7	8.5	8.5	180
185	-	-	-	7.9	8.1	8.1	8.1	8.3	8.3	8.4	8.3	8.5	8.3	8.3	185
190	-	-	-	7.7	7.9	7.9	7.9	8.2	8.3	8.3	8.2	8.3	8.2	8.2	190
195	-	-	-	-	7.8	7.8	7.8	8.0	8.1	8.0	8.0	8.0	8.0	8.0	195
200	-	-	-	-	-	7.6	7.6	7.8	8.0	7.8	7.8	7.8	7.8	7.7	200
205	-	-	-	-	-	7.4	7.4	7.5	7.9	7.7	7.7	7.7	7.7	7.4	205
210	-	-	-	-	-	-	7.3	7.3	7.7	7.5	7.5	7.5	7.5	7.1	210
215	-	-	-	-	-	-	7.1	7.1	7.5	7.3	7.3	7.3	7.3	6.9	215
220	-	-	-	-	-	-	-	6.9	7.4	7.2	7.2	7.0	7.2	6.7	220
225	-	-	-	-	-	-	-	-	7.2	7.0	7.0	6.7	6.9	6.5	225
230	-	-	-	-	-	-	-	-	7.0	6.8	6.8	6.4	6.6	6.1	230
235	-	-	-	-	-	-	-	-	6.9	6.7	6.5	6.0	6.3	5.8	235
240	-	-	-	-	-	-	-	-	-	6.5	6.1	5.7	5.8	5.5	240
245	-	-	-	-	-	-	-	-	-	-	5.8	5.4	5.3	5.1	245
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

LJ Configuration

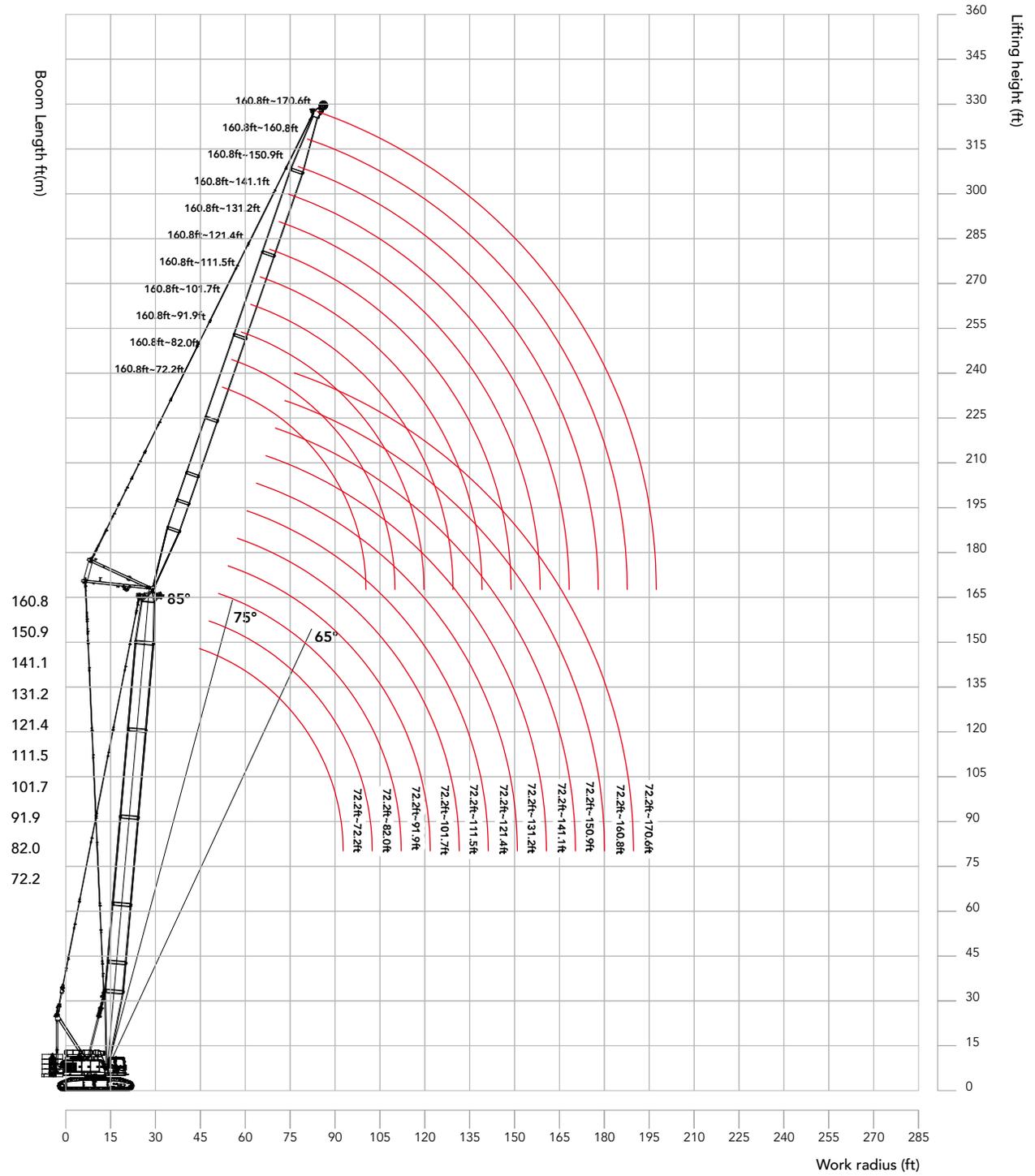


Note: The boom combinations with "★" are recommended configurations.



LJ Configuration:
160.8ft+170.6ft (49m+52m)

LJ Working Radius



LJ Load Chart

Note:

1. The rated load in the load chart is calculated complying with ASME B30.5;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. See the Operation Manual for the complete load charts of LJ and LJa configurations.

SCA1350A crawler crane - LJ configuration load chart 1/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
34	87.2	-	-	-	-	-	-	-	-	-	-	34
36	85.6	-	-	-	-	-	-	-	-	-	-	36
38	84.0	-	-	-	-	-	-	-	-	-	-	38
40	82.2	74.0	65.5	58.5	-	-	-	-	-	-	-	40
45	77.0	69.6	62.1	55.5	-	-	-	-	-	-	-	45
50	70.0	65.6	58.9	52.7	47.4	39.9	-	-	-	-	-	50
55	62.1	60.7	55.6	50.0	46.1	39.0	33.0	27.9	23.9	-	-	55
60	54.2	54.6	52.0	47.4	44.3	38.2	32.3	27.2	23.2	19.9	16.9	60
65	48.1	48.4	48.5	44.8	41.8	37.6	31.4	26.5	22.6	19.3	16.4	65
70	43.3	43.5	43.8	42.3	39.4	36.2	30.7	25.9	22.0	18.7	15.9	70
75	37.5	39.3	39.5	39.1	37.0	34.4	30.0	25.3	21.4	18.2	15.4	75
80	-	35.3	35.8	35.6	34.8	32.3	29.2	24.8	20.8	17.7	14.9	80
85	-	31.3	32.8	32.6	32.7	30.3	27.9	24.3	20.3	17.2	14.6	85
90	-	-	30.1	30.0	30.1	28.6	26.4	23.6	19.8	16.7	14.1	90
95	-	-	26.0	27.7	27.7	26.8	24.8	22.5	19.3	16.2	13.6	95
100	-	-	-	25.3	25.6	25.1	23.3	21.2	18.7	15.7	13.1	100
105	-	-	-	-	23.8	23.8	21.8	20.1	18.1	15.2	12.8	105
110	-	-	-	-	22.0	22.1	20.5	18.7	17.1	14.9	12.5	110
115	-	-	-	-	19.0	20.6	19.2	17.6	15.9	14.2	12.0	115
120	-	-	-	-	-	18.7	18.0	16.5	14.9	13.3	11.5	120
125	-	-	-	-	-	-	16.7	15.4	14.0	12.5	11.0	125
130	-	-	-	-	-	-	15.7	14.4	13.0	11.7	10.1	130
135	-	-	-	-	-	-	13.9	13.3	12.2	10.8	9.4	135
140	-	-	-	-	-	-	-	12.4	11.3	10.0	8.7	140
145	-	-	-	-	-	-	-	-	10.5	9.2	8.1	145
150	-	-	-	-	-	-	-	-	9.6	8.5	7.4	150
155	-	-	-	-	-	-	-	-	8.9	7.8	6.7	155
160	-	-	-	-	-	-	-	-	-	7.2	6.1	160
165	-	-	-	-	-	-	-	-	-	-	5.6	165
170	-	-	-	-	-	-	-	-	-	-	4.9	170
Parts of line	4	3	3	3	2	2	2	1	1	1	1	Parts of line

Unit:klb

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 2/12

On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
40	80.7	73.0	63.2	-	-	-	-	-	-	-	-	40
45	72.3	69.3	61.2	-	-	-	-	-	-	-	-	45
50	64.6	63.6	58.7	51.7	44.0	-	-	-	-	-	-	50
55	58.1	57.8	55.7	50.0	43.3	36.7	31.2	26.6	-	-	-	55
60	52.7	52.5	52.2	47.7	42.6	36.1	30.6	26.1	22.4	19.1	-	60
65	48.4	48.2	47.5	45.7	41.8	35.6	30.0	25.6	21.9	18.6	-	65
70	44.6	44.4	43.9	43.2	39.8	34.9	29.4	25.0	21.4	18.1	15.4	70
75	41.3	41.1	40.6	40.4	37.7	34.0	28.8	24.4	20.9	17.7	15.0	75
80	-	38.1	37.7	37.4	35.6	32.9	28.3	23.9	20.4	17.3	14.6	80
85	-	35.4	35.2	34.6	33.2	31.2	27.8	23.4	19.9	16.8	14.1	85
90	-	31.0	32.4	31.9	30.9	29.3	27.0	22.9	19.4	16.3	13.8	90
95	-	-	29.4	29.2	28.6	27.5	25.7	22.5	18.9	15.9	13.4	95
100	-	-	-	26.6	26.4	25.7	24.3	21.9	18.4	15.5	12.9	100
105	-	-	-	24.2	24.2	24.0	22.9	20.7	18.1	15.0	12.6	105
110	-	-	-	22.2	22.4	22.3	21.6	19.7	17.6	14.7	12.2	110
115	-	-	-	-	20.7	20.8	20.2	18.5	16.7	14.3	11.9	115
120	-	-	-	-	-	19.2	18.9	17.3	15.7	13.9	11.6	120
125	-	-	-	-	-	17.5	17.6	16.2	14.7	13.2	11.2	125
130	-	-	-	-	-	16.2	16.4	15.2	13.9	12.3	10.7	130
135	-	-	-	-	-	-	15.2	14.2	13.0	11.5	9.9	135
140	-	-	-	-	-	-	-	13.3	12.2	10.7	9.2	140
145	-	-	-	-	-	-	-	-	11.4	10.1	8.5	145
150	-	-	-	-	-	-	-	-	10.5	9.4	7.8	150
155	-	-	-	-	-	-	-	-	9.7	8.6	7.3	155
160	-	-	-	-	-	-	-	-	-	7.8	6.7	160
165	-	-	-	-	-	-	-	-	-	-	6.1	165
170	-	-	-	-	-	-	-	-	-	-	5.6	170
175	-	-	-	-	-	-	-	-	-	-	4.9	175
Parts of line	4	3	3	2	2	2	2	2	1	1	1	Parts of line

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 3/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
40	69.9	62.5	-	-	-	-	-	-	-	-	-	40
45	64.5	60.0	-	-	-	-	-	-	-	-	-	45
50	58.4	56.4	51.8	46.0	-	-	-	-	-	-	-	50
55	52.6	52.0	49.4	44.7	39.0	33.5	28.9	-	-	-	-	55
60	47.6	47.3	46.7	42.8	38.4	33.0	28.3	24.4	21.1	-	-	60
65	43.9	43.3	43.0	40.4	37.2	32.5	27.8	23.9	20.6	-	-	65
70	40.6	40.0	39.6	38.2	35.4	32.1	27.5	23.5	20.2	17.2	14.7	70
75	37.5	37.1	36.6	35.9	33.6	31.1	27.1	23.1	19.8	16.8	14.4	75
80	34.7	34.4	34.0	33.6	31.7	29.6	26.6	22.6	19.3	16.5	14.0	80
85	32.3	31.9	31.7	31.4	29.9	28.1	26.0	22.3	19.0	16.1	13.7	85
90	-	29.8	29.5	29.1	28.0	26.6	24.7	21.8	18.5	15.8	13.4	90
95	-	-	27.3	26.8	26.2	25.1	23.5	21.4	18.1	15.3	13.0	95
100	-	-	25.0	24.8	24.3	23.6	22.3	20.8	17.8	14.9	12.7	100
105	-	-	-	22.9	22.5	22.0	21.2	19.8	17.4	14.6	12.3	105
110	-	-	-	20.9	21.0	20.5	19.8	18.8	17.1	14.2	12.0	110
115	-	-	-	-	19.5	19.1	18.6	17.8	16.6	13.9	11.7	115
120	-	-	-	-	17.9	17.8	17.4	16.9	16.0	13.6	11.3	120
125	-	-	-	-	-	16.7	16.2	16.0	15.2	13.4	11.0	125
130	-	-	-	-	-	15.3	15.2	15.0	14.3	12.7	10.7	130
135	-	-	-	-	-	-	14.2	14.1	13.5	11.9	10.2	135
140	-	-	-	-	-	-	-	13.2	12.6	11.1	9.6	140
145	-	-	-	-	-	-	-	-	12.2	11.8	10.3	145
150	-	-	-	-	-	-	-	-	11.4	11.1	9.6	150
155	-	-	-	-	-	-	-	-	-	10.2	8.9	155
160	-	-	-	-	-	-	-	-	-	-	8.3	160
165	-	-	-	-	-	-	-	-	-	-	7.6	165
170	-	-	-	-	-	-	-	-	-	-	7.1	170
175	-	-	-	-	-	-	-	-	-	-	5.4	175
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Unit:klb

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 4/12

On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
50	51.5	47.4	43.4	-	-	-	-	-	-	-	-	50
55	47.9	45.0	41.6	37.9	33.7	29.4	-	-	-	-	-	55
60	43.6	42.5	39.7	36.5	33.1	29.0	25.3	22.0	-	-	-	60
65	40.1	39.8	37.5	35.0	32.1	28.7	25.0	21.6	-	-	-	65
70	37.2	36.8	35.5	33.1	30.8	28.1	24.6	21.3	18.4	16.0	13.8	70
75	34.4	34.0	33.4	31.1	29.3	27.2	24.2	21.0	18.1	15.7	13.5	75
80	31.9	31.5	31.2	29.3	27.8	26.1	23.6	20.6	17.8	15.3	13.1	80
85	29.9	29.4	29.0	27.4	26.3	24.8	23.0	20.3	17.4	15.0	12.8	85
90	-	27.4	27.0	25.9	24.8	23.6	22.0	20.0	17.1	14.7	12.5	90
95	-	25.4	25.0	24.2	23.3	22.3	21.0	19.4	16.8	14.3	12.1	95
100	-	-	23.1	22.4	21.8	21.0	20.0	18.7	16.5	14.0	11.9	100
105	-	-	-	20.9	20.5	19.8	19.0	17.9	16.3	13.7	11.7	105
110	-	-	-	19.4	19.2	18.7	17.9	17.0	15.8	13.5	11.3	110
115	-	-	-	-	17.8	17.5	16.9	16.2	15.2	13.2	11.0	115
120	-	-	-	-	16.5	16.4	15.9	15.3	14.5	12.9	10.7	120
125	-	-	-	-	-	15.4	14.9	14.5	13.8	12.6	10.6	125
130	-	-	-	-	-	14.4	14.1	13.7	13.2	12.4	10.2	130
135	-	-	-	-	-	-	13.1	12.8	12.5	11.8	10.0	135
140	-	-	-	-	-	-	12.3	12.0	11.8	11.2	9.7	140
145	-	-	-	-	-	-	-	11.4	11.2	10.7	9.2	145
150	-	-	-	-	-	-	-	10.7	10.5	10.0	8.7	150
155	-	-	-	-	-	-	-	-	9.8	9.4	8.0	155
160	-	-	-	-	-	-	-	-	9.2	8.7	7.4	160
165	-	-	-	-	-	-	-	-	-	8.0	6.7	165
170	-	-	-	-	-	-	-	-	-	7.4	6.2	170
175	-	-	-	-	-	-	-	-	-	-	5.7	175
180	-	-	-	-	-	-	-	-	-	-	5.2	180
Parts of line	3	2	2	2	2	2	1	1	1	1	1	Parts of line

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 5/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
60	67.0	-	-	-	-	-	-	-	-	-	-	60
65	60.9	-	-	-	-	-	-	-	-	-	-	65
70	56.1	55.9	54.8	-	-	-	-	-	-	-	-	70
75	51.8	51.5	51.5	47.2	-	-	-	-	-	-	-	75
80	48.0	47.6	47.9	45.3	40.7	33.9	-	-	-	-	-	80
85	44.5	44.3	44.5	42.9	39.5	33.5	-	-	-	-	-	85
90	39.2	41.2	41.5	40.7	37.4	33.0	27.5	23.1	-	-	-	90
95	-	37.5	38.4	38.2	35.4	32.2	27.1	22.7	19.1	-	-	95
100	-	-	35.3	35.4	33.5	31.0	26.7	22.3	18.6	15.8	13.1	100
105	-	-	31.9	32.4	31.5	29.3	26.2	21.8	18.3	15.4	12.8	105
110	-	-	28.1	29.7	29.8	27.6	25.2	21.5	18.0	14.9	12.5	110
115	-	-	-	27.0	27.9	26.1	23.9	21.0	17.6	14.5	12.1	115
120	-	-	-	-	25.8	24.5	22.4	20.3	17.3	14.3	11.8	120
125	-	-	-	-	23.6	22.8	21.1	19.1	16.9	14.1	11.5	125
130	-	-	-	-	20.8	21.3	19.7	18.1	16.3	13.8	11.3	130
135	-	-	-	-	-	19.9	18.5	17.0	15.3	13.4	11.0	135
140	-	-	-	-	-	-	17.3	15.9	14.4	12.9	10.7	140
145	-	-	-	-	-	-	16.2	14.9	13.6	12.0	10.3	145
150	-	-	-	-	-	-	15.0	13.8	12.7	11.2	9.6	150
155	-	-	-	-	-	-	-	12.8	11.7	10.3	8.9	155
160	-	-	-	-	-	-	-	-	10.9	9.6	8.3	160
165	-	-	-	-	-	-	-	-	-	8.9	7.6	165
170	-	-	-	-	-	-	-	-	-	8.0	6.9	170
175	-	-	-	-	-	-	-	-	-	7.5	6.4	175
180	-	-	-	-	-	-	-	-	-	-	5.8	180
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Unit:klb

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 6/12

On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
70	47.6	-	-	-	-	-	-	-	-	-	-	70
75	44.0	43.2	43.1	-	-	-	-	-	-	-	-	75
80	40.7	39.9	39.7	39.8	-	-	-	-	-	-	-	80
85	37.7	37.2	37.0	37.0	-	-	-	-	-	-	-	85
90	35.3	34.8	34.6	34.6	34.0	31.7	-	-	-	-	-	90
95	33.0	32.8	32.5	32.4	31.8	31.0	26.2	-	-	-	-	95
100	-	30.9	30.6	30.3	29.9	29.8	25.9	21.7	18.4	-	-	100
105	-	28.9	28.9	28.4	28.2	28.0	25.6	21.4	18.1	15.2	12.8	105
110	-	27.5	27.2	26.9	26.7	26.5	25.2	21.0	17.7	14.9	12.5	110
115	-	-	25.7	25.5	25.2	25.0	24.6	20.8	17.4	14.5	12.1	115
120	-	-	-	24.2	23.9	23.6	23.5	20.6	17.1	14.2	11.8	120
125	-	-	-	-	22.8	22.4	22.2	20.3	16.7	13.9	11.7	125
130	-	-	-	-	21.5	21.2	20.8	19.9	16.4	13.7	11.3	130
135	-	-	-	-	20.5	20.2	19.9	19.0	16.2	13.4	11.0	135
140	-	-	-	-	-	19.2	19.0	17.8	15.8	13.2	10.7	140
145	-	-	-	-	-	-	18.0	16.6	15.1	12.9	10.5	145
150	-	-	-	-	-	-	17.3	15.6	14.3	12.4	10.2	150
155	-	-	-	-	-	-	16.2	14.7	13.4	11.8	10.0	155
160	-	-	-	-	-	-	-	13.8	12.6	11.1	9.6	160
165	-	-	-	-	-	-	-	-	11.7	10.4	8.9	165
170	-	-	-	-	-	-	-	-	10.9	9.6	8.2	170
175	-	-	-	-	-	-	-	-	10.1	8.9	7.6	175
180	-	-	-	-	-	-	-	-	-	8.2	6.9	180
185	-	-	-	-	-	-	-	-	-	-	6.3	185
190	-	-	-	-	-	-	-	-	-	-	5.8	190
195	-	-	-	-	-	-	-	-	-	-	5.3	195
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 7/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
75	38.2	-	-	-	-	-	-	-	-	-	-	75
80	35.3	35.3	-	-	-	-	-	-	-	-	-	80
85	33.0	32.6	-	-	-	-	-	-	-	-	-	85
90	31.0	30.5	30.3	29.9	-	-	-	-	-	-	-	90
95	29.0	28.7	28.5	27.9	27.7	27.3	-	-	-	-	-	95
100	27.3	27.0	26.8	26.3	26.0	25.5	24.4	-	-	-	-	100
105	-	25.3	25.1	24.9	24.5	24.0	23.6	20.5	17.4	-	-	105
110	-	23.8	23.8	23.4	23.0	22.7	22.2	20.3	17.1	-	-	110
115	-	22.6	22.4	22.1	21.7	21.5	21.0	20.1	16.9	14.2	-	115
120	-	-	21.2	20.9	20.6	20.3	19.9	19.5	16.6	14.0	11.6	120
125	-	-	-	19.8	19.6	19.1	18.9	18.5	16.3	13.7	11.5	125
130	-	-	-	18.8	18.5	18.3	18.1	17.6	16.1	13.5	11.3	130
135	-	-	-	17.9	17.7	17.3	17.1	16.8	16.0	13.2	11.0	135
140	-	-	-	-	16.8	16.5	16.2	15.9	15.6	12.9	10.7	140
145	-	-	-	-	-	15.8	15.3	15.1	14.9	12.8	10.5	145
150	-	-	-	-	-	15.1	14.7	14.3	14.0	12.6	10.2	150
155	-	-	-	-	-	-	14.1	13.7	13.3	12.3	10.0	155
160	-	-	-	-	-	-	13.5	13.1	12.7	12.0	9.8	160
165	-	-	-	-	-	-	-	12.5	12.1	11.5	9.6	165
170	-	-	-	-	-	-	-	12.0	11.7	10.7	9.1	170
175	-	-	-	-	-	-	-	-	11.1	10.0	8.6	175
180	-	-	-	-	-	-	-	-	10.5	9.3	8.0	180
185	-	-	-	-	-	-	-	-	-	8.6	7.3	185
190	-	-	-	-	-	-	-	-	-	8.0	6.6	190
195	-	-	-	-	-	-	-	-	-	-	6.1	195
200	-	-	-	-	-	-	-	-	-	-	5.6	200
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Unit:klb

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 8/12

On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
80	31.3	-	-	-	-	-	-	-	-	-	-	80
85	28.8	-	-	-	-	-	-	-	-	-	-	85
90	27.1	26.9	-	-	-	-	-	-	-	-	-	90
95	25.4	25.1	24.7	24.3	-	-	-	-	-	-	-	95
100	23.8	23.4	23.3	22.7	22.4	-	-	-	-	-	-	100
105	22.5	22.0	21.8	21.4	20.9	20.7	20.3	-	-	-	-	105
110	21.3	20.7	20.5	20.2	19.8	19.4	18.9	-	-	-	-	110
115	-	19.7	19.4	19.1	18.7	18.3	17.8	17.6	-	-	-	115
120	-	18.7	18.4	18.1	17.7	17.3	16.8	16.5	15.5	13.2	-	120
125	-	-	17.4	16.9	16.7	16.5	15.8	15.4	15.2	13.0	11.0	125
130	-	-	16.7	16.3	15.9	15.5	15.0	14.7	14.5	12.8	10.8	130
135	-	-	-	15.5	15.0	14.7	14.4	14.0	13.7	12.7	10.5	135
140	-	-	-	14.6	14.3	14.0	13.7	13.3	12.9	12.3	10.3	140
145	-	-	-	-	13.6	13.4	12.9	12.5	12.3	11.8	10.1	145
150	-	-	-	-	12.9	12.7	12.2	11.8	11.6	11.1	10.0	150
155	-	-	-	-	-	12.2	11.7	11.3	11.1	10.6	9.8	155
160	-	-	-	-	-	11.6	11.1	10.8	10.5	10.1	9.5	160
165	-	-	-	-	-	-	10.5	10.3	10.0	9.6	9.2	165
170	-	-	-	-	-	-	10.2	9.8	9.5	9.3	8.7	170
175	-	-	-	-	-	-	-	9.4	9.0	8.8	8.5	175
180	-	-	-	-	-	-	-	9.0	8.6	8.3	8.1	180
185	-	-	-	-	-	-	-	-	8.3	7.8	7.6	185
190	-	-	-	-	-	-	-	-	8.0	7.5	7.1	190
195	-	-	-	-	-	-	-	-	-	7.2	6.7	195
200	-	-	-	-	-	-	-	-	-	-	6.4	200
205	-	-	-	-	-	-	-	-	-	-	6.0	205
Parts of line	2	2	1	1	1	1	1	1	1	1	1	Parts of line

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 9/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
80	48.5	-	-	-	-	-	-	-	-	-	-	80
85	45.0	-	-	-	-	-	-	-	-	-	-	85
90	42.1	41.7	-	-	-	-	-	-	-	-	-	90
95	39.4	39.0	38.8	-	-	-	-	-	-	-	-	95
100	37.0	36.6	36.4	36.1	-	-	-	-	-	-	-	100
105	-	34.6	34.4	33.9	33.7	-	-	-	-	-	-	105
110	-	32.6	32.4	32.1	31.9	-	-	-	-	-	-	110
115	-	-	30.7	30.4	30.1	28.8	-	-	-	-	-	115
120	-	-	29.2	28.7	28.5	28.1	23.5	19.6	-	-	-	120
125	-	-	-	27.3	27.0	26.8	23.4	19.4	16.1	-	-	125
130	-	-	-	26.1	25.9	25.6	23.4	19.2	15.7	-	-	130
135	-	-	-	-	24.7	24.5	22.5	18.9	15.5	12.9	-	135
140	-	-	-	-	23.2	23.2	21.2	18.5	15.4	12.7	10.4	140
145	-	-	-	-	-	21.9	19.9	17.9	15.2	12.5	10.1	145
150	-	-	-	-	-	20.5	18.7	16.9	15.0	12.2	10.0	150
155	-	-	-	-	-	-	17.6	15.9	14.4	12.0	9.8	155
160	-	-	-	-	-	-	-	14.9	13.6	11.6	-	160
165	-	-	-	-	-	-	-	13.9	12.6	-	-	165
170	-	-	-	-	-	-	-	13.1	11.8	-	-	170
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Unit:klb

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 10/12

On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
95	33.2	-	-	-	-	-	-	-	-	-	-	95
100	31.2	31.0	-	-	-	-	-	-	-	-	-	100
105	29.5	29.3	28.9	-	-	-	-	-	-	-	-	105
110	27.9	27.5	27.2	-	-	-	-	-	-	-	-	110
115	26.3	26.0	25.7	25.3	-	-	-	-	-	-	-	115
120	-	24.7	24.4	24.0	23.6	-	-	-	-	-	-	120
125	-	-	23.1	22.9	22.4	22.4	-	-	-	-	-	125
130	-	-	21.9	21.9	21.4	21.0	-	-	-	-	-	130
135	-	-	20.8	20.7	20.4	20.1	19.7	18.4	-	-	-	135
140	-	-	-	19.7	19.5	19.2	18.7	18.1	15.1	-	-	140
145	-	-	-	-	18.6	18.4	17.8	17.5	15.0	12.3	-	145
150	-	-	-	-	17.6	17.6	17.1	16.7	14.8	12.2	-	150
155	-	-	-	-	-	16.7	16.3	16.0	14.6	12.0	9.8	155
160	-	-	-	-	-	16.0	15.5	15.3	14.5	11.8	9.6	160
165	-	-	-	-	-	-	14.9	14.6	14.2	11.7	9.4	165
170	-	-	-	-	-	-	14.2	14.0	13.7	11.5	9.3	170
175	-	-	-	-	-	-	-	13.3	13.1	11.3	9.1	175
180	-	-	-	-	-	-	-	12.7	12.4	11.0	8.9	180
185	-	-	-	-	-	-	-	-	11.7	10.4	8.7	185
190	-	-	-	-	-	-	-	-	11.1	9.7	8.2	190
195	-	-	-	-	-	-	-	-	-	9.1	-	195
Parts of line	2	2	2	1	1	1	1	1	1	1	1	Parts of line

LJ Load Chart

SCA1350A crawler crane - LJ configuration load chart 11/12												
On luffing jib hook, Boom 72.2ft, Boom angle 85°, Rear counterweight 119klbs, Carbody counterweight 44.1klbs, with aux tip extension hook												
Luffing Jib Length (ft) \ Radius (ft)	72.2	82	91.9	101.7	111.5	121.4	131.2	141.1	150.9	160.8	170.6	Luffing Jib Length (ft) \ Radius (ft)
105	25.1	-	-	-	-	-	-	-	-	-	-	105
110	23.6	-	-	-	-	-	-	-	-	-	-	110
115	22.2	22.1	-	-	-	-	-	-	-	-	-	115
120	21.0	20.9	20.6	-	-	-	-	-	-	-	-	120
125	20.0	19.6	19.5	18.9	-	-	-	-	-	-	-	125
130	19.0	18.7	18.4	17.9	-	-	-	-	-	-	-	130
135	-	17.8	17.4	17.1	16.8	-	-	-	-	-	-	135
140	-	-	16.6	16.4	15.9	15.6	15.1	-	-	-	-	140
145	-	-	-	15.6	15.1	14.9	14.5	14.0	-	-	-	145
150	-	-	-	14.9	14.5	14.0	13.8	13.3	-	-	-	150
155	-	-	-	14.2	13.8	13.5	13.1	12.7	12.5	-	-	155
160	-	-	-	-	13.2	13.0	12.4	12.1	11.8	11.4	-	160
165	-	-	-	-	-	12.4	11.8	11.6	11.1	10.9	9.4	165
170	-	-	-	-	-	11.8	11.3	11.1	10.6	10.2	9.3	170
175	-	-	-	-	-	11.1	10.8	10.4	10.1	9.7	9.1	175
180	-	-	-	-	-	-	10.4	9.9	9.6	9.3	8.8	180
185	-	-	-	-	-	-	-	9.6	9.2	9.0	-	185
190	-	-	-	-	-	-	-	9.3	8.8	8.6	-	190
195	-	-	-	-	-	-	-	8.8	8.5	-	-	195
Parts of line	1	1	1	1	1	1	1	1	1	1	1	Parts of line