



# STERLING CRANE

## Lifting capacities main boom

109,800 lb   360°  85 %

Radius ft	Main boom														Radius ft	
	ft	43.0*	43.0	58.1	73.2	88.3	103.3	118.4	133.5	148.6	163.7	178.8	193.9	209.6		
		360.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1,000 lb														
10	286.6	281.1	277.8	264.6	-	-	-	-	-	-	-	-	-	-	-	10
11	265.7	257.9	255.7	249.1	-	-	-	-	-	-	-	-	-	-	-	11
13	246.9	238.1	238.1	230.4	190.7	-	-	-	-	-	-	-	-	-	-	13
15	230.4	221.6	220.5	215.2	184.5	-	-	-	-	-	-	-	-	-	-	15
16	215.8	206.6	206.1	201.5	178.4	139.1	-	-	-	-	-	-	-	-	-	16
19	190.7	181.4	181.2	178.8	166.2	132.3	97.0	-	-	-	-	-	-	-	-	19
23	169.3	161.6	161.2	159.8	154.1	125.4	93.3	79.6	-	-	-	-	-	-	-	23
26	148.6	144.4	144.2	142.6	142.2	118.4	89.7	73.4	-	-	-	-	-	-	-	26
29	129.0	129.0	129.9	128.1	129.4	111.1	86.2	68.1	59.1	-	-	-	-	-	-	29
33	102.1	102.1	116.2	113.1	114.2	103.8	82.5	63.3	54.9	47.2	-	-	-	-	-	33
39	-	-	93.7	93.0	91.7	89.7	75.2	55.3	48.3	42.3	35.1	28.0	-	-	-	39
46	-	-	77.8	77.4	75.8	77.4	67.7	48.9	42.8	38.1	32.6	28.0	20.5	-	-	46
52	-	-	-	65.5	65.0	65.7	62.6	42.5	38.4	34.6	29.5	26.7	20.5	-	-	52
59	-	-	-	54.9	56.4	54.9	56.9	39.2	34.0	31.5	27.3	24.7	20.5	-	-	59
65	-	-	-	-	48.1	48.1	48.3	36.4	30.9	28.2	25.4	22.9	19.6	-	-	65
72	-	-	-	-	41.4	43.2	41.7	33.7	28.2	25.6	23.1	21.4	18.5	-	-	72
79	-	-	-	-	-	37.9	36.4	31.3	25.8	23.6	21.2	19.8	17.4	-	-	79
85	-	-	-	-	-	33.5	32.0	29.5	23.1	21.6	19.8	18.3	16.5	-	-	85
92	-	-	-	-	-	30.0	28.2	28.0	21.4	19.8	18.3	17.0	15.4	-	-	92
98	-	-	-	-	-	-	25.1	26.2	19.8	17.9	17.0	15.9	14.3	-	-	98
105	-	-	-	-	-	-	23.1	23.6	18.5	16.5	15.4	15.0	13.4	-	-	105
111	-	-	-	-	-	-	-	21.4	17.4	15.4	14.1	13.9	12.6	-	-	111
118	-	-	-	-	-	-	-	19.2	16.5	14.3	13.2	12.8	11.7	-	-	118
124	-	-	-	-	-	-	-	-	15.9	13.0	12.3	11.9	11.0	-	-	124
131	-	-	-	-	-	-	-	-	15.2	12.1	11.5	11.2	10.1	-	-	131
138	-	-	-	-	-	-	-	-	-	11.5	10.6	10.4	9.5	-	-	138
144	-	-	-	-	-	-	-	-	-	11.0	9.7	9.7	8.8	-	-	144
151	-	-	-	-	-	-	-	-	-	-	9.3	9.0	8.2	-	-	151
157	-	-	-	-	-	-	-	-	-	-	8.8	8.4	7.7	-	-	157
164	-	-	-	-	-	-	-	-	-	-	8.4	7.9	7.1	-	-	164
177	-	-	-	-	-	-	-	-	-	-	-	6.4	6.2	-	-	177
190	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	190

### Remarks

\* over rear

\*\* Exceptional load, additional measures required

## Lifting capacities main boom

85,300 lb   360°  85 %

		Main boom														
Radius	ft	43.0*	43.0	58.1	73.2	88.3	103.3	118.4	133.5	148.6	163.7	178.8	193.9	209.6	Radius	
	ft	1,000 lb													ft	
10		286.6	278.9	277.8	264.6	-	-	-	-	-	-	-	-	-	10	
11		265.7	255.7	255.7	249.1	-	-	-	-	-	-	-	-	-	11	
13		246.9	237.0	235.9	230.4	190.7	-	-	-	-	-	-	-	-	13	
15		230.4	219.8	219.6	215.2	184.5	-	-	-	-	-	-	-	-	15	
16		215.8	205.0	204.6	201.5	178.4	139.1	-	-	-	-	-	-	-	16	
19		190.0	179.9	179.7	178.4	166.2	132.3	97.0	-	-	-	-	-	-	19	
23		162.7	159.2	158.7	157.4	154.1	125.4	93.3	79.6	-	-	-	-	-	23	
26		140.0	140.0	139.3	137.6	138.7	118.4	89.7	73.4	-	-	-	-	-	26	
29		121.9	121.9	122.6	119.5	120.6	111.1	86.2	68.1	59.1	-	-	-	-	29	
33		102.1	102.1	108.5	107.8	106.5	103.8	82.5	63.3	54.9	47.2	-	-	-	33	
39		-	-	86.9	86.4	84.9	86.6	75.2	55.3	48.3	42.3	35.1	28.0	-	39	
46		-	-	68.8	67.9	69.7	67.9	67.7	48.9	42.8	38.1	32.6	28.0	20.5	46	
52		-	-	-	57.5	56.4	57.5	56.9	42.5	38.4	34.6	29.5	26.7	20.5	52	
59		-	-	-	47.8	46.7	48.7	47.2	39.2	34.0	31.5	27.3	24.7	20.5	59	
65		-	-	-	-	42.1	41.2	39.7	36.4	30.9	28.2	25.4	22.9	19.6	65	
72		-	-	-	-	36.6	35.5	33.7	33.7	28.2	25.6	23.1	21.4	18.5	72	
79		-	-	-	-	-	30.6	29.1	30.4	25.8	23.6	21.2	19.8	17.4	79	
85		-	-	-	-	-	26.9	27.1	26.7	23.1	21.6	19.8	18.3	16.5	85	
92		-	-	-	-	-	23.8	24.9	23.4	20.9	19.8	18.3	17.0	15.4	92	
98		-	-	-	-	-	-	22.3	20.7	19.6	17.9	17.0	15.9	14.3	98	
105		-	-	-	-	-	-	19.8	18.1	18.5	15.4	15.4	15.0	13.4	105	
111		-	-	-	-	-	-	-	16.1	16.8	14.3	14.1	13.9	12.6	111	
118		-	-	-	-	-	-	-	15.2	14.8	13.4	12.6	12.8	11.7	118	
124		-	-	-	-	-	-	-	-	13.2	12.6	11.9	11.7	11.0	124	
131		-	-	-	-	-	-	-	-	11.7	11.7	11.0	10.1	10.1	131	
138		-	-	-	-	-	-	-	-	-	10.4	9.9	8.8	8.8	138	
144		-	-	-	-	-	-	-	-	-	-	9.3	8.6	7.5	144	
151		-	-	-	-	-	-	-	-	-	-	-	7.5	6.6	151	
157		-	-	-	-	-	-	-	-	-	-	-	6.6	5.5	157	
164		-	-	-	-	-	-	-	-	-	-	-	5.7	4.6	164	
177		-	-	-	-	-	-	-	-	-	-	-	-	3.1	177	

47,200 lb   360°  85 %

		Main boom														
Radius	ft	43.0*	43.0	58.1	73.2	88.3	103.3	118.4	133.5	148.6	163.7	178.8	193.9	209.6	Radius	
	ft	1,000 lb													ft	
10		286.6	275.6	275.6	264.6	-	-	-	-	-	-	-	-	-	10	
11		265.7	253.5	252.4	249.1	-	-	-	-	-	-	-	-	-	11	
13		246.9	233.7	233.7	230.4	190.7	-	-	-	-	-	-	-	-	13	
15		230.4	217.4	217.2	215.2	184.5	-	-	-	-	-	-	-	-	15	
16		211.6	201.7	201.3	200.0	178.4	139.1	-	-	-	-	-	-	-	16	
19		175.3	174.2	173.7	171.7	166.2	132.3	97.0	-	-	-	-	-	-	19	
23		146.2	144.4	145.7	142.2	139.8	125.4	93.3	79.6	-	-	-	-	-	23	
26		124.8	122.6	123.9	123.5	116.2	112.2	89.7	73.4	-	-	-	-	-	26	
29		102.7	102.7	104.3	103.4	102.1	95.5	86.2	68.1	59.1	-	-	-	-	29	
33		85.1	85.1	86.4	86.9	88.0	81.8	80.9	63.3	54.9	47.2	-	-	-	33	
39		-	-	61.9	64.6	65.0	65.9	62.6	55.3	48.3	42.3	35.1	28.0	-	39	
46		-	-	49.4	51.6	51.8	50.5	48.7	46.5	42.8	38.1	32.6	28.0	20.5	46	
52		-	-	-	41.9	41.4	40.1	39.9	40.1	36.2	34.6	29.5	26.7	20.5	52	
59		-	-	-	34.4	34.0	32.8	34.4	32.6	30.9	29.1	27.3	24.7	20.5	59	
65		-	-	-	-	28.4	30.0	28.7	27.1	27.8	24.9	24.7	22.9	19.6	65	
72		-	-	-	-	24.5	25.6	24.3	24.0	23.4	22.0	21.2	21.4	18.5	72	
79		-	-	-	-	-	21.8	20.7	21.4	19.8	20.1	19.4	18.3	17.4	79	
85		-	-	-	-	-	19.0	18.5	18.5	17.6	17.2	16.3	15.2	14.8	85	
92		-	-	-	-	-	16.5	17.0	15.9	15.7	15.0	13.9	12.8	12.3	92	
98		-	-	-	-	-	-	14.8	13.7	13.4	12.8	11.7	10.6	10.4	98	
105		-	-	-	-	-	-	13.0	12.6	11.7	11.0	9.7	8.8	8.6	105	
111		-	-	-	-	-	-	-	11.0	9.9	9.5	8.2	7.1	7.1	111	
118		-	-	-	-	-	-	-	9.7	8.6	7.9	6.8	5.7	5.7	118	
124		-	-	-	-	-	-	-	-	7.5	6.8	5.5	4.4	4.4	124	
131		-	-	-	-	-	-	-	-	6.4	5.7	4.4	3.5	3.3	131	
138		-	-	-	-	-	-	-	-	-	4.6	3.5	2.4	2.4	138	
144		-	-	-	-	-	-	-	-	-	-	3.7	2.6	-	144	

Remarks: \* over rear

# STERLING CRANE

## Lifting capacities main boom

30,900 lb   360°  85%

		Main boom													
Radius	ft	43.0	58.1	73.2	88.3	103.3	118.4	133.5	148.6	163.7	178.8	193.9	209.6	Radius	ft
	ft	1,000 lb													ft
10		274.5	274.5	264.6	-	-	-	-	-	-	-	-	-	10	
11		252.4	251.3	249.1	-	-	-	-	-	-	-	-	-	11	
13		232.6	232.6	230.4	190.7	-	-	-	-	-	-	-	-	13	
15		215.4	215.0	213.6	184.5	-	-	-	-	-	-	-	-	15	
16		199.7	199.3	198.0	178.4	139.1	-	-	-	-	-	-	-	16	
19		163.4	164.2	158.5	147.7	132.3	97.0	-	-	-	-	-	-	19	
23		135.4	136.7	130.7	121.7	112.9	93.3	79.6	-	-	-	-	-	23	
26		108.5	110.2	106.3	102.1	93.0	89.7	73.4	-	-	-	-	-	26	
29		85.8	87.3	90.6	85.3	84.0	76.7	68.1	59.1	-	-	-	-	29	
33		69.7	71.0	73.9	73.6	72.1	65.9	60.6	54.9	47.2	-	-	-	33	
39		-	54.2	54.0	55.3	54.0	50.3	50.3	43.9	42.3	35.1	28.0	-	39	
46		-	41.2	42.8	42.3	41.0	42.8	40.1	36.6	33.5	32.6	28.0	20.5	46	
52		-	-	34.0	33.5	35.1	34.0	32.2	32.4	28.0	27.3	26.7	20.5	52	
59		-	-	27.6	28.4	28.7	27.6	28.2	26.5	25.6	24.7	22.5	20.5	59	
65		-	-	-	23.6	23.8	23.8	23.4	22.7	22.3	20.7	18.7	18.1	65	
72		-	-	-	20.5	20.1	20.5	19.6	19.4	18.7	17.2	15.4	14.6	72	
79		-	-	-	-	17.9	17.4	17.2	16.1	15.7	14.3	12.6	11.9	79	
85		-	-	-	-	15.4	14.8	14.6	13.4	13.0	11.7	10.1	9.5	85	
92		-	-	-	-	13.2	12.8	12.3	11.2	10.8	9.5	8.2	7.7	92	
98		-	-	-	-	-	10.8	10.6	9.5	8.8	7.7	6.6	6.0	98	
105		-	-	-	-	-	9.3	8.8	7.9	7.3	6.2	5.1	4.6	105	
111		-	-	-	-	-	-	7.5	6.6	6.0	4.6	3.7	3.3	111	
118		-	-	-	-	-	-	6.4	5.3	4.9	3.5	2.4	2.2	118	
124		-	-	-	-	-	-	-	4.4	3.7	2.4	-	-	124	
131		-	-	-	-	-	-	-	3.5	2.9	-	-	-	131	

8,800 lb   360°  85%

		Main boom													
Radius	ft	43.0	58.1	73.2	88.3	103.3	118.4	133.5	148.6	163.7	178.8	193.9	209.6	Radius	ft
	ft	1,000 lb													ft
10		273.4	272.3	264.6	-	-	-	-	-	-	-	-	-	10	
11		250.2	250.2	249.1	-	-	-	-	-	-	-	-	-	11	
13		229.3	229.3	228.2	190.7	-	-	-	-	-	-	-	-	13	
15		212.1	211.6	193.8	174.4	-	-	-	-	-	-	-	-	15	
16		186.3	185.8	169.1	148.6	136.9	-	-	-	-	-	-	-	16	
19		148.8	139.8	124.6	116.6	103.6	97.0	-	-	-	-	-	-	19	
23		106.9	105.8	100.5	93.7	87.5	78.0	71.7	-	-	-	-	-	23	
26		78.0	80.0	80.0	78.5	71.2	64.8	62.6	-	-	-	-	-	26	
29		60.2	61.9	65.0	65.3	59.5	57.1	52.7	47.4	-	-	-	-	29	
33		48.1	54.2	54.7	55.3	51.1	50.3	45.2	44.1	37.9	-	-	-	33	
39		-	37.9	39.7	40.8	41.2	38.1	37.5	34.2	33.1	30.2	27.3	-	39	
46		-	28.2	30.9	31.5	31.1	31.5	29.5	28.0	26.2	23.4	21.2	20.3	46	
52		-	-	24.0	24.7	25.1	24.7	24.5	22.5	20.9	18.5	16.3	15.7	52	
59		-	-	19.2	19.8	20.3	19.8	19.6	18.3	16.8	14.6	12.8	11.9	59	
65		-	-	-	16.1	16.5	16.1	15.7	14.6	13.7	11.5	9.5	8.6	65	
72		-	-	-	13.0	13.4	13.0	12.6	11.7	10.8	8.8	6.8	6.2	72	
79		-	-	-	-	11.0	10.6	10.1	9.0	8.6	6.6	4.9	4.2	79	
85		-	-	-	-	9.0	8.4	8.2	7.1	6.6	4.9	3.1	2.6	85	
92		-	-	-	-	7.3	6.8	6.4	5.5	4.9	3.3	-	-	92	
98		-	-	-	-	-	5.5	5.1	4.0	3.5	-	-	-	98	
105		-	-	-	-	-	4.2	3.7	2.9	2.2	-	-	-	105	
111		-	-	-	-	-	-	2.9	-	-	-	-	-	111	
118		-	-	-	-	-	-	-	-	-	-	-	-	118	