

# CC 24.400-1

**440 US TON CAPACITY**

TADANO  
GREEN  
SOLUTIONS

- Suitable for alternative fuels





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# Key



Track



Hook block



Counterweight + central ballast (ZB)



Hoist 1



Superlift counterweight



Hoist 2



Central ballast



Hoist 3



Superlift radius



Jib luffing



Possible load of hook block



Boom derricking



Weight of hook block



Boom hoist



Load radius



Travel speed



Main boom



Working speeds



Fly jib



Slewing



Main boom angle



Max. line pull



Fly jib angle



Rope diameter



Rope length



Number of lines



Number of sheaves



Wind speed in ft/s (feet per second)

# Key



Distance head sheave axle – hook ground

S: heavy

L: light

H/HA: Main boom

HI: Luffing jib

MA: Mast

W: Luffing fly jib

F: Fixed fly jib

SL: Superlift

SGL: Heavy base length

# Highlights

Maximum lifting capacities throughout all working ranges

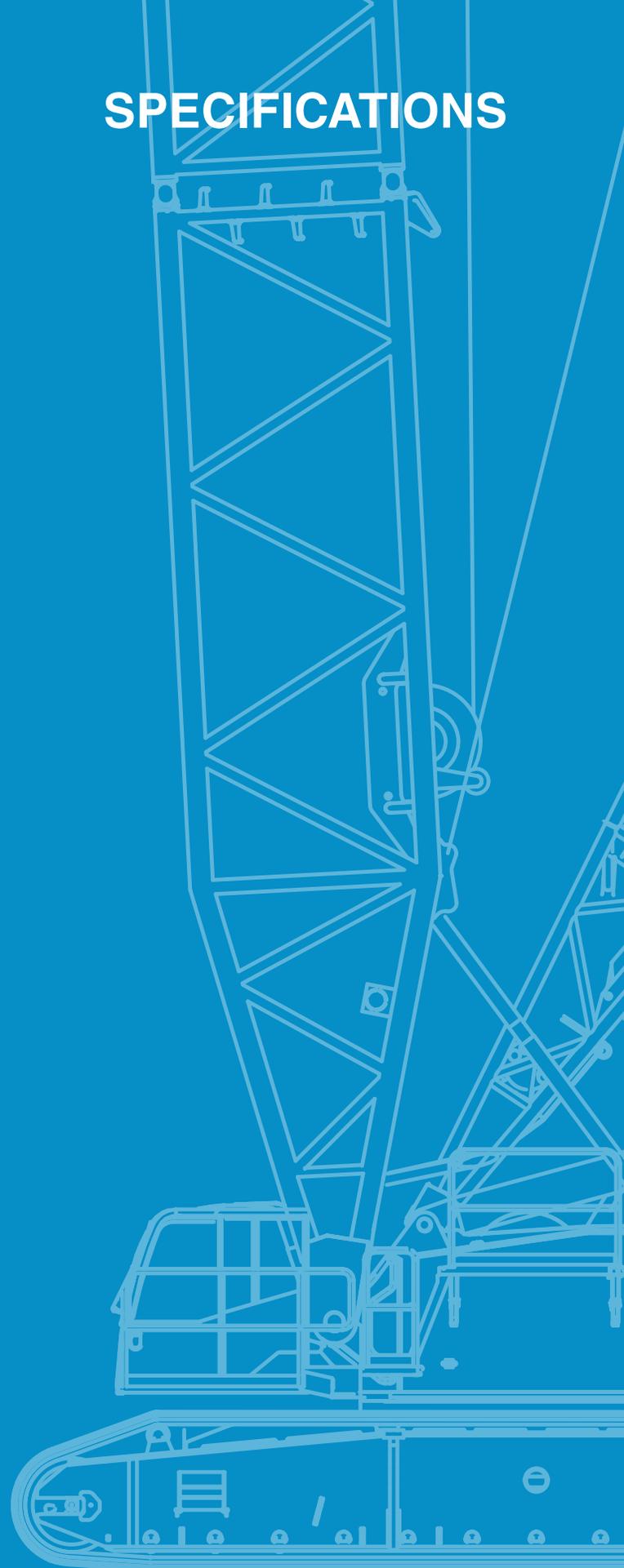
Maximum load moment 5168 tm (712,094 lb at 52'6" radius)

Variable Superlift radius

Variable offset of main boom for configuration SW and SWSL

Innovative IC-1 crane control system with touchscreen

# SPECIFICATIONS



# Specifications

Working speeds (infinitely variable)				
				
	max. 492 ft/min	33,709 lbf	1.04"	3346 ft
	max. 426 ft/min	33,709 lbf	1.04"	2296 ft
	max. 456 ft/min		1.04"	
	max. 177 ft/min		1.04"	
	max. 361 ft/min		1.04"	
	1.4 rpm			
	max. 1.24 mph			

1) top layer

# Specifications

Hook block system					
					
2 x 200*	882,000 lb 441,000 lb	2 x 7 7	2 x 15 15	14,110 lb - 16,320 lb 9,920 lb - 11,030 lb	15.1 ft 16.4 ft
2 x 160	697,000 lb 688,000 lb 348,000 lb	2 x 5 11 5	2 x 11 23 11	9,480 lb - 13,890 lb 9,700 lb - 14,110 lb 7,060 lb - 9,260 lb	15.1 ft 15.1 ft 16.4 ft

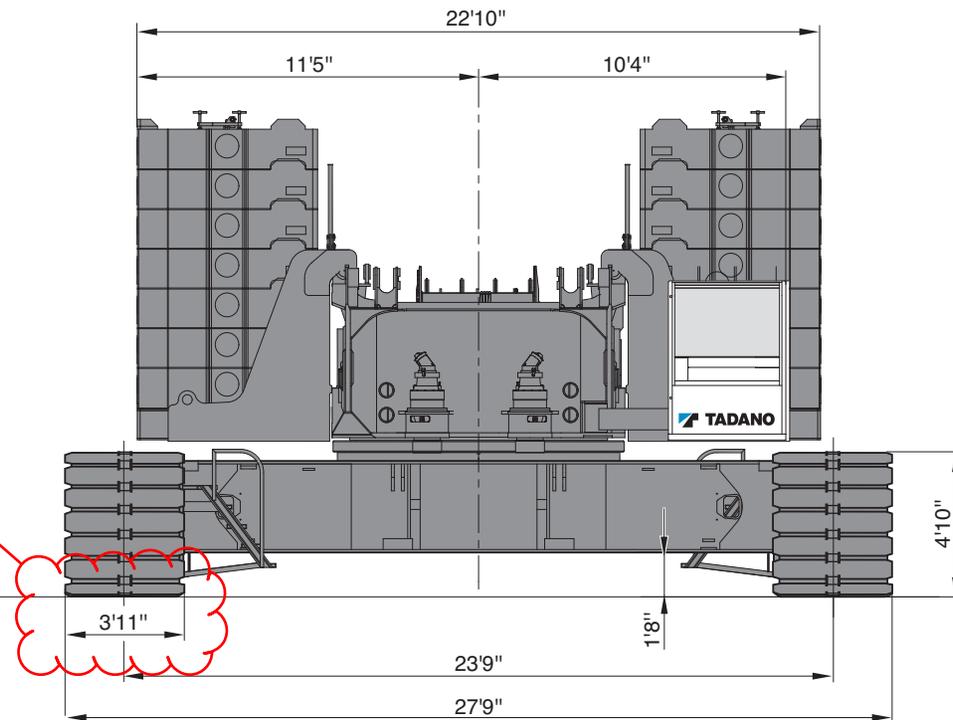
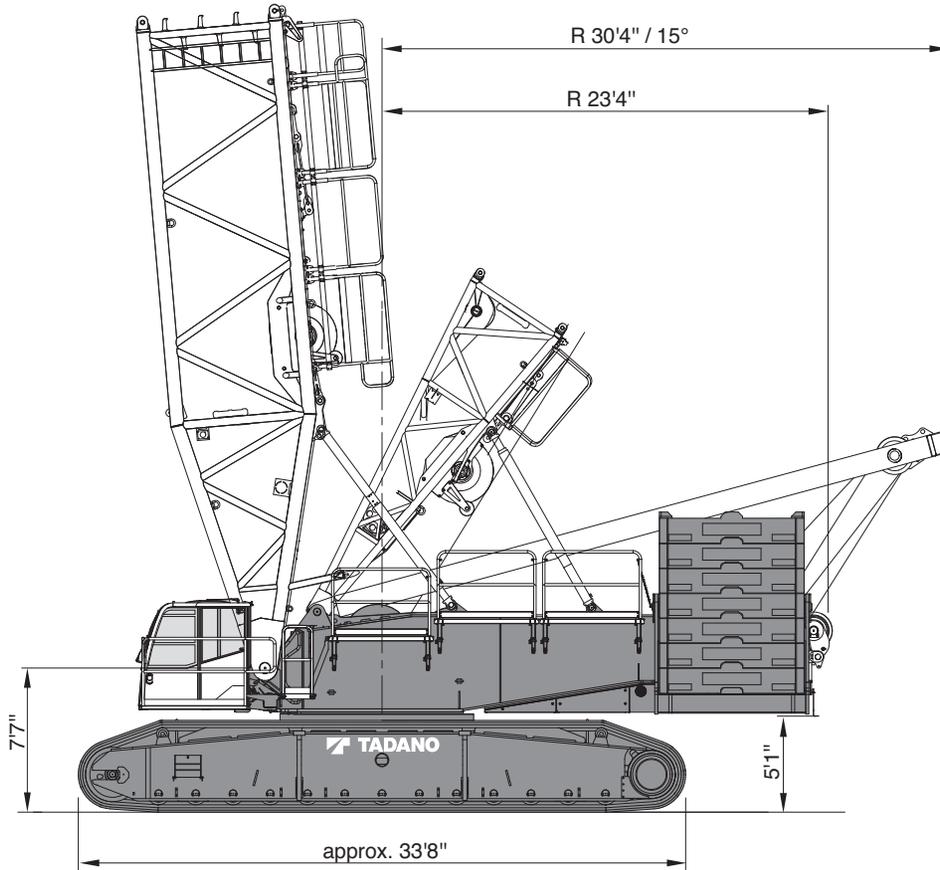
\* Capacities > 697,000 lb: Heavy-duty head HA 882,000 lb + sheave assembly 882,000 lb is required

Hook block					
					
100	220,500 lb	3	7	4,410 lb - 7,720 lb	12.1 ft
50	99,200 lb	1	3	3,750 lb	12.1 ft
15	33,100 lb	Single line hook	1	1,980 lb	11.2 ft

Number of lines																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	33,100 lb	66,200 lb	99,200 lb	130,100 lb	163,200 lb	194,000 lb	224,900 lb	258,000 lb	286,700 lb	317,500 lb	348,400 lb	379,300 lb	407,900 lb	436,600 lb	465,300 lb	493,900 lb	522,600 lb	551,300 lb	579,900 lb	606,400 lb	635,000 lb	661,500 lb	688,000 lb
 1 x 33,100 lb	X																						
 1 x 99,200 lb		X	X																				
 1 x 220,500 lb		X	X	X	X	X	X																
 1 x 348,400 lb				X	X	X	X	X	X	X	X												
 1 x 441,000 lb					X	X	X	X	X	X	X	X	X	X									
 1 x 688,000 lb							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2 x 1	2 x 2	2 x 3	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8	2 x 9	2 x 10	2 x 11	2 x 12	2 x 13	2 x 14									
		132,400 lb	198,400 lb	260,200 lb	326,400 lb	388,000 lb	449,800 lb	516,000 lb	573,400 lb	635,000 lb	696,800 lb	758,600 lb	815,800 lb	873,200 lb									
 1 x 352,800 lb				X	X	X	X	X	X	X	X												
 1 x 441,000 lb					X	X	X	X	X	X	X	X	X	X									

# Specifications

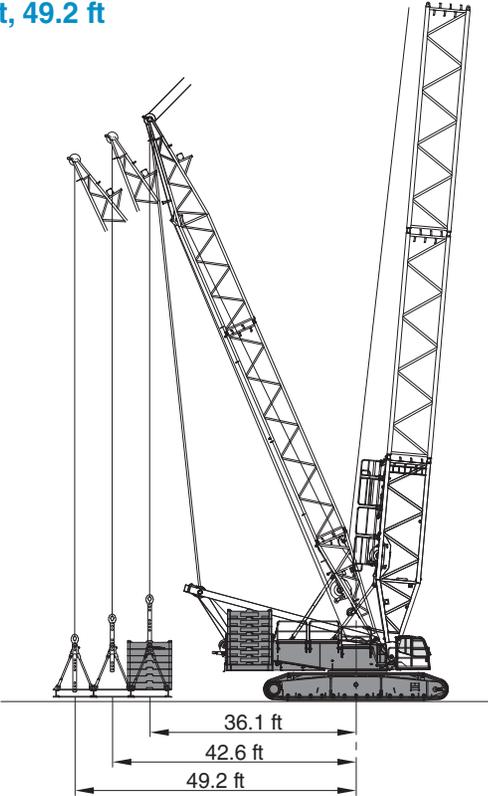
## Basic crane dimensions



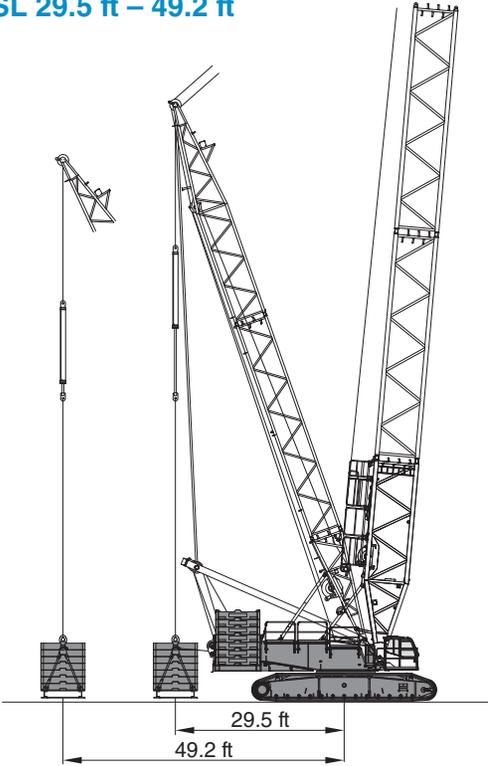
# Specifications

## Superlift Configurations

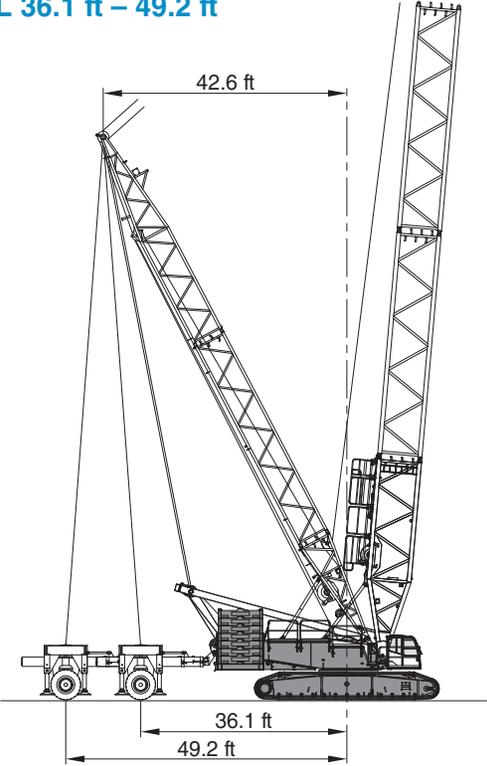
Standard-SL 36.1 ft, 42.6 ft, 49.2 ft



Vario-SL 29.5 ft – 49.2 ft

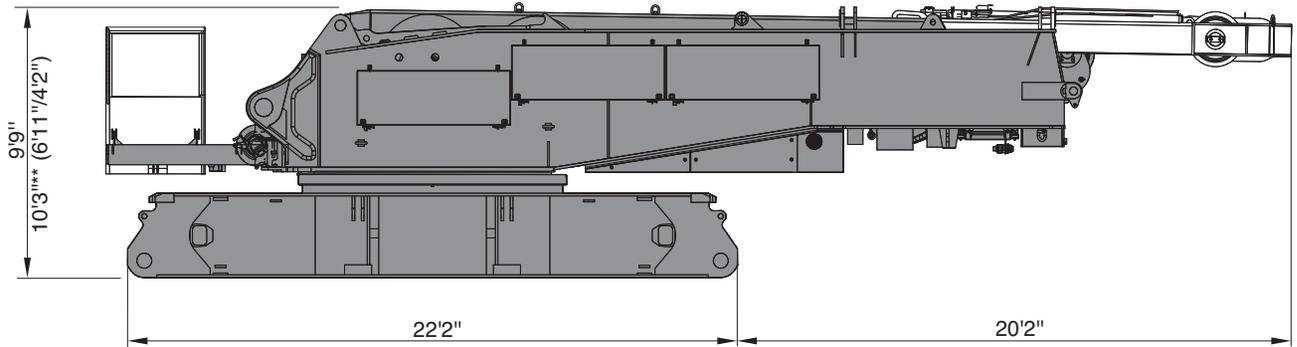


Tele-SL 36.1 ft – 49.2 ft

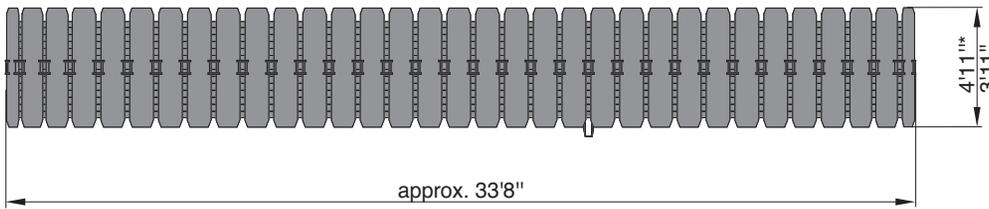


# Specifications

## Transportation



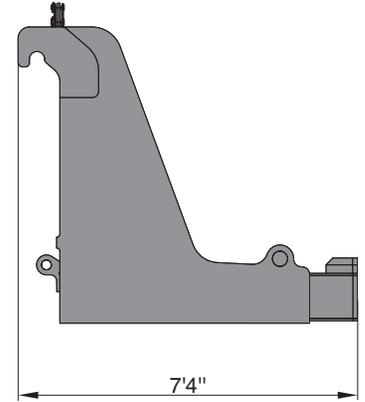
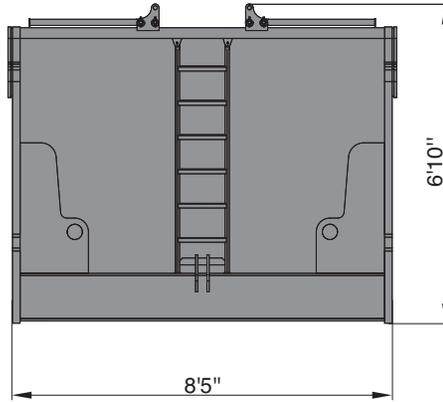
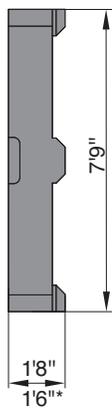
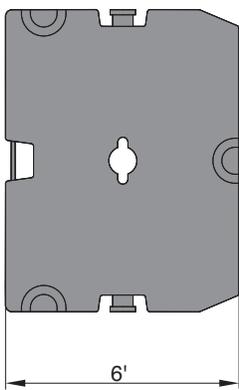
134,300 lb  
139,600 lb\*\*  
(97,500 lb / 42,100 lb)



2 x 59,500 lb\*  
2 x 57,100 lb

22,050 lb

2 x 22,050 lb



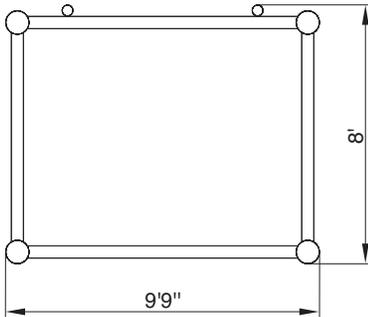
\* Option    \*\* with quick-connection

In brackets: superstructure / carbody with quick-connection

# Specifications

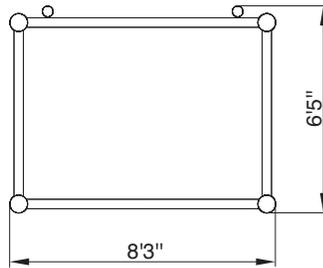
## Transportation

### Main Boom (HA)



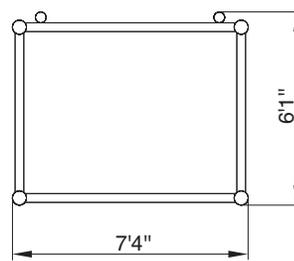
Type 2721

### Jib (HI)



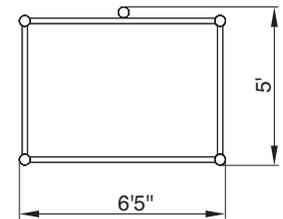
Type 2317

### Mast (MA)



Type 2116

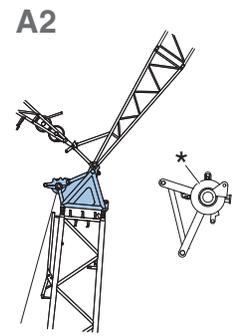
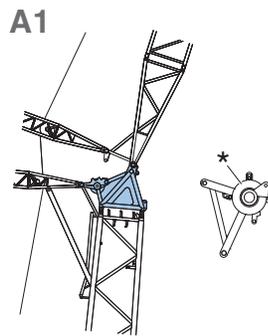
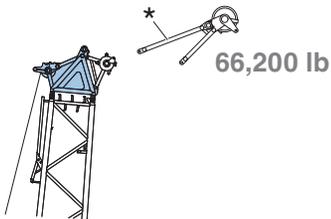
### LF



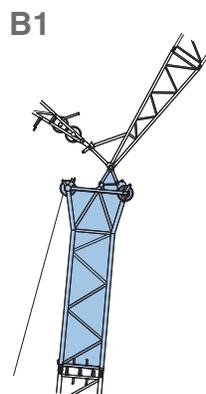
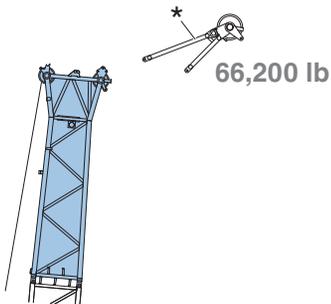
Type 1813

## Boom heads

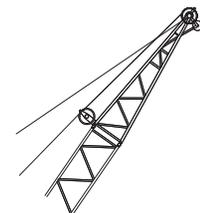
**A**  
(max. 882,000 lb\*\* / 697,000 lb)



**B**  
(max. 379,300 lb)



**C**  
(max. 258,000 lb)



\* Attachable    \*\* Option

# Specifications

Erection / lowering of the boom systems to the ground																				
																				
		ft	ft	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0	393.7
<b>SH</b>			X	X	X	X	X	X	X	X	X	X	(X)	-	-	-	-	-	-	-
<b>SH/LH</b>			-	-	-	X	X	X	X	X	X	X	X	(X)	-	-	-	-	-	-
<b>SH/LH SGL_S1</b>			-	-	-	-	-	-	-	X	X	X	(X)	[X]	-	-	-	-	-	-
<b>SW</b>  85°	78.7		-	X	X	X	X	(X)	[X]	-	-	-	-	-	-	-	-	-	-	-
	98.4		-	X	X	X	X	(X)	[X]	-	-	-	-	-	-	-	-	-	-	-
	118.1		-	X	X	X	X	X	[X]	-	-	-	-	-	-	-	-	-	-	-
	137.8		-	X	X	X	X	X	[X]	-	-	-	-	-	-	-	-	-	-	-
	157.5		-	X	X	X	X	X	(X)	-	-	-	-	-	-	-	-	-	-	-
	177.2		-	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
	196.9		-	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
	216.5		-	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
	236.2		-	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
<b>SH+LF2</b>	39.4		X	X	X	X	X	X	X	(X)	[X]	-	-	-	-	-	-	-	-	
<b>SH/LH+LF2</b>	39.4		-	-	-	X	X	X	X	(X)	[X]	[X]	-	-	-	-	-	-	-	
<b>SH/LH SGL_S1+LF2</b>	39.4		-	-	-	-	-	-	X	[X]	[X]	[X]	-	-	-	-	-	-	-	
<b>SSL</b>			-	0	0	0	0	0	0	0	0	0	22	55	99	-	-	-	-	
<b>SSL/LSL</b>			-	-	-	-	-	-	-	-	-	0	0	22	44	77	99	132	165	198
<b>SSL/LSL SGL_S1</b>			-	-	-	-	-	-	0	0	0	0	44	77	121	154	198	-	-	
<b>SSL+LF2</b>	39.4		-	-	0	0	0	0	0	33	66	110	143	187	-	-	-	-	-	
<b>SSL/LSL+LF2</b>	39.4		-	-	-	-	-	-	-	44	77	110	143	176	209	220	254	287	-	
<b>SSL/LSL SGL_S1+LF2</b>	39.4		-	-	-	-	-	-	0	11	44	88	121	165	220	254	353	-	-	
<b>SWSL</b>	78.7		-	-	0	0	0	0	44	88	132	187	231	287	342	-	-	-	-	
	98.4		-	-	0	0	0	0	44	88	143	187	243	298	364	-	-	-	-	
	118.1		-	-	0	0	0	0	44	88	143	198	254	309	353	-	-	-	-	
	137.8		-	-	0	0	0	0	33	88	143	198	265	298	364	-	-	-	-	
	157.5		-	-	0	0	0	0	22	77	143	198	265	298	364	-	-	-	-	
	177.2		-	-	0	0	0	0	11	66	121	165	231	298	364	-	-	-	-	
	196.9		-	-	0	0	0	0	22	55	110	154	220	298	419	-	-	-	-	
	216.5		-	-	0	0	0	0	22	66	110	154	209	276	397	-	-	-	-	
	236.2		-	-	0	0	0	0	33	77	121	165	209	265	386	-	-	-	-	
255.9		-	-	0	0	0	0	33	77	121	165	220	265	-	-	-	-	-		
275.6		-	-	0	0	0	0	44	88	132	176	231	-	-	-	-	-	-		

X without assisting equipment

(X) idler wheel supported

[X] with additional side jack

All Superlift combinations can be erected or lowered to the ground without assisting equipment. The figures shown represent the necessary SL-counterweight in [kip].



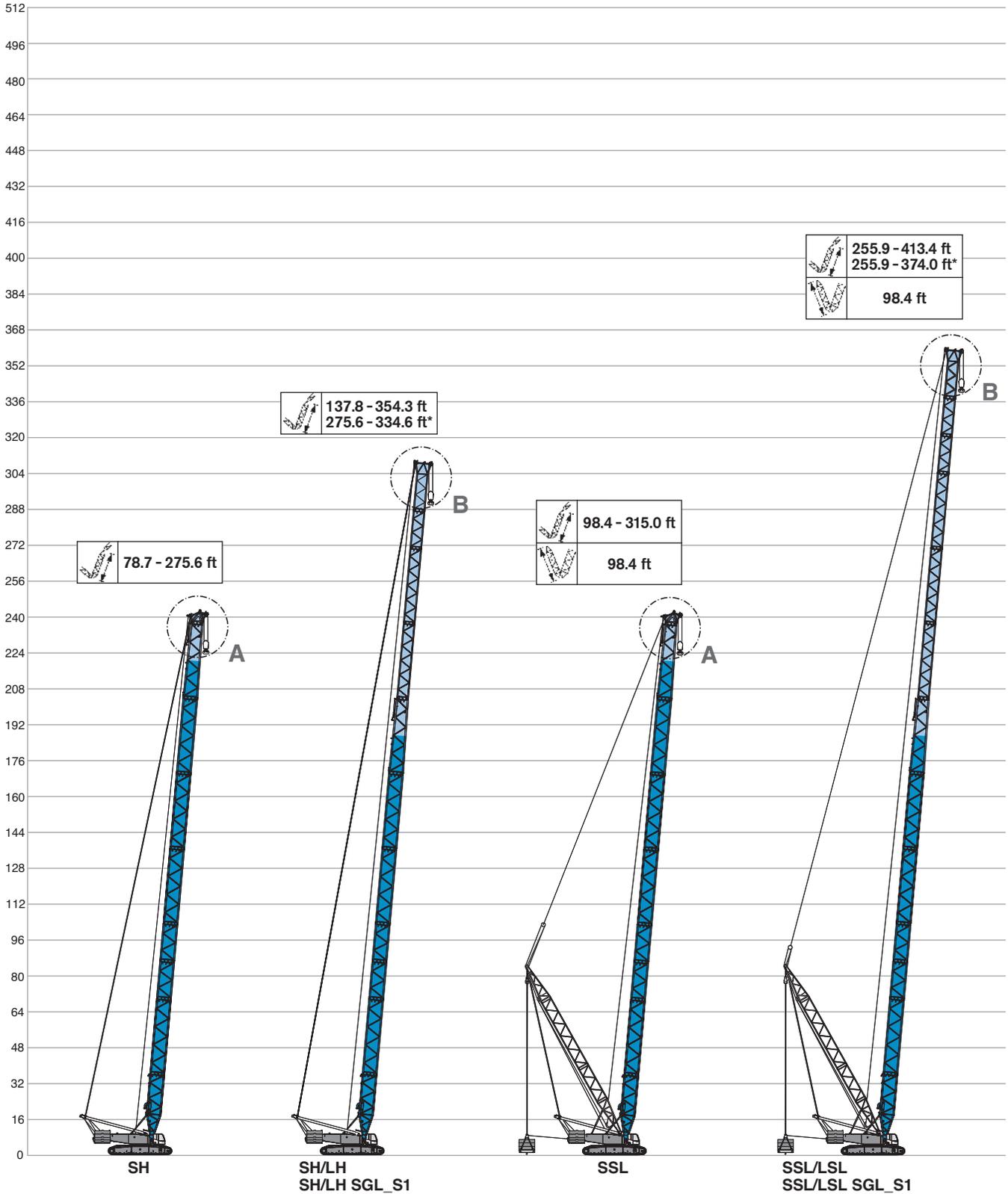
# Specifications

## Boom Combinations

Type 2721

Type 2317

\* SGL\_S1



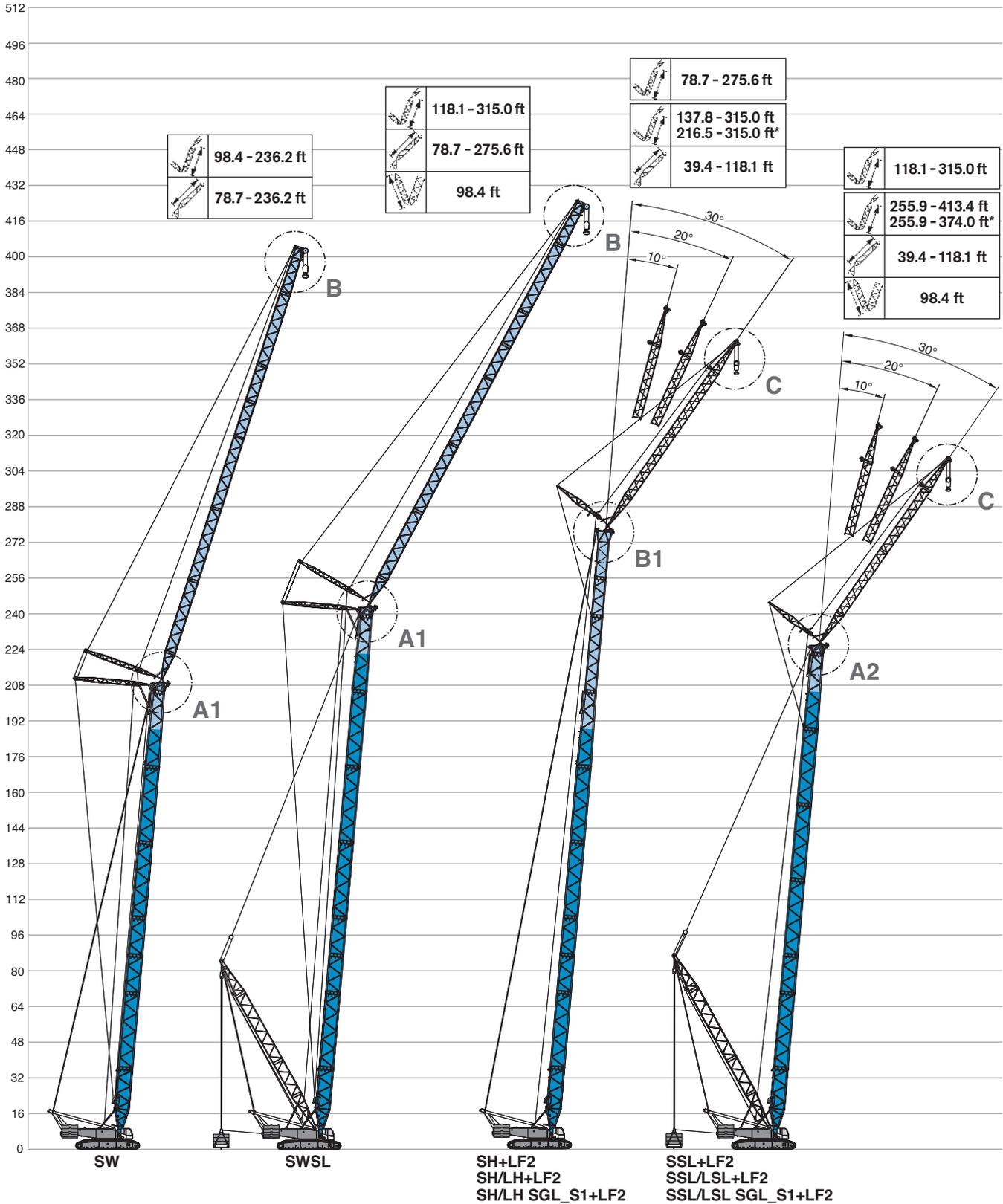
# Specifications

## Boom Combinations

Type 2721

Type 2317

\* SGL-S1



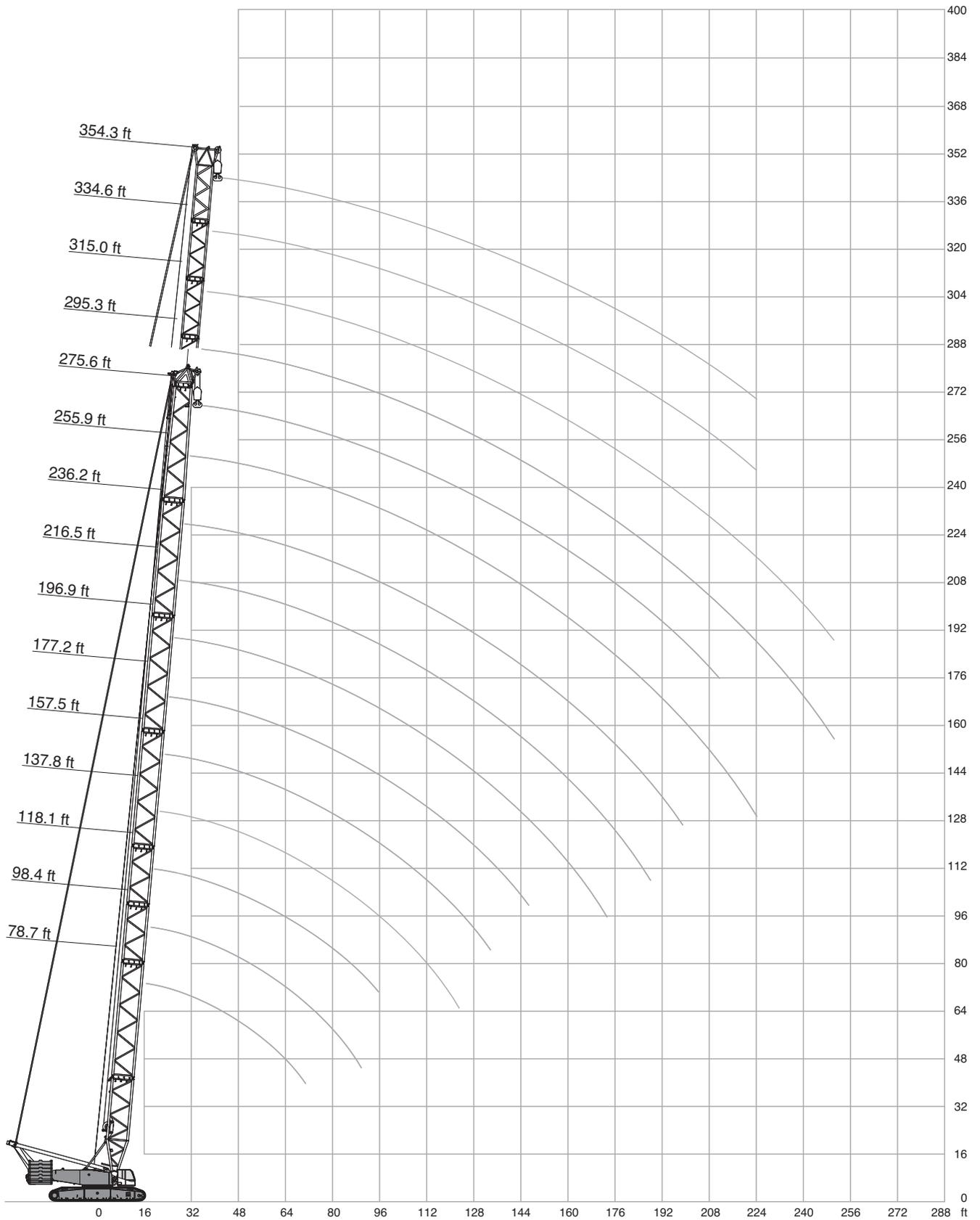


# MAIN BOOM



# Operation

# SH, SH/LH, SH/LH SGL\_S1



# Operation

+ <b>23.8 ft</b> <b>32.2 ft/s</b> <b>360°</b> <b>ASME B30.5</b>												
<b>78.7 ft</b> <b>98.4 ft</b> <b>118.1 ft</b> <b>137.8 ft</b> <b>157.5 ft</b> <b>177.2 ft</b> <b>196.9 ft</b> <b>216.5 ft</b> <b>236.2 ft</b> <b>255.9 ft</b> <b>275.6 ft</b>												
ft	1,000 lb											ft
18.0	765.0	-	-	-	-	-	-	-	-	-	-	18.0
19.7	738.5	-	-	-	-	-	-	-	-	-	-	19.7
23.0	694.5	668.0	679.0	626.1	-	-	-	-	-	-	-	23.0
26.2	612.9	566.6	582.0	542.3	507.1	476.2	-	-	-	-	-	26.2
29.5	526.9	544.5	509.3	476.2	449.7	423.3	400.1	379.2	-	-	-	29.5
32.8	511.5	480.6	451.9	425.5	402.3	380.3	360.5	342.8	326.3	310.9	-	32.8
39.4	385.8	383.6	367.1	348.3	331.8	315.3	300.9	286.6	273.4	262.4	250.2	39.4
45.9	306.4	304.2	302.0	294.3	281.1	267.9	255.7	244.7	234.8	224.9	215.6	45.9
52.5	253.5	251.3	248.0	245.8	242.5	231.5	221.6	213.4	204.1	196.4	188.1	52.5
59.1	215.8	213.0	210.3	207.9	205.9	203.7	195.1	187.8	179.7	173.3	165.8	59.1
65.6	187.0	184.3	181.4	178.8	176.8	175.0	173.3	166.9	159.8	153.9	147.3	65.6
72.2	164.7	161.8	159.0	156.3	154.3	152.3	150.8	149.5	143.1	138.0	131.8	72.2
78.7	-	144.0	140.9	138.2	136.0	134.3	132.5	131.4	129.0	124.3	118.8	78.7
85.3	-	129.2	126.1	123.5	121.3	119.3	117.7	116.4	114.9	112.7	107.4	85.3
91.9	-	117.3	114.0	111.1	108.9	106.9	105.2	104.1	102.3	101.6	97.4	91.9
98.4	-	-	103.8	100.8	98.5	96.3	94.6	93.5	91.7	91.1	88.8	98.4
111.5	-	-	-	84.4	81.8	79.8	77.8	76.5	74.7	74.1	72.1	111.5
124.7	-	-	-	72.1	69.4	67.0	65.0	63.7	61.7	60.8	58.6	124.7
137.8	-	-	-	-	59.7	57.1	54.9	53.1	50.9	50.0	47.6	137.8
150.9	-	-	-	-	-	49.2	46.5	44.5	42.3	41.2	38.8	150.9
164.0	-	-	-	-	-	-	39.5	37.5	35.1	34.0	31.7	164.0
177.2	-	-	-	-	-	-	34.0	31.7	29.3	28.0	25.6	177.2
190.3	-	-	-	-	-	-	-	27.1	24.3	22.9	20.5	190.3
203.4	-	-	-	-	-	-	-	-	20.1	18.7	16.1	203.4
216.5	-	-	-	-	-	-	-	-	-	15.0	12.3	216.5
229.7	-	-	-	-	-	-	-	-	-	11.9	9.3	229.7

<b>78.7 ft</b> <b>98.4 ft</b> <b>118.1 ft</b> <b>137.8 ft</b> <b>157.5 ft</b> <b>177.2 ft</b> <b>196.9 ft</b> <b>216.5 ft</b> <b>236.2 ft</b> <b>255.9 ft</b> <b>275.6 ft</b>												
ft	1,000 lb											ft
18.0	586.4	-	-	-	-	-	-	-	-	-	-	18.0
19.7	571.0	571.0	-	-	-	-	-	-	-	-	-	19.7
23.0	515.9	469.6	429.9	396.8	-	-	-	-	-	-	-	23.0
26.2	431.0	396.8	368.2	341.7	317.5	296.5	-	-	-	-	-	26.2
29.5	369.3	343.9	319.7	298.7	280.0	262.4	246.9	232.6	-	-	-	29.5
32.8	320.8	302.0	283.3	265.7	249.1	234.8	221.6	209.4	197.5	187.2	-	32.8
39.4	238.1	235.9	228.2	215.8	203.9	192.7	182.1	172.8	163.4	155.4	146.8	39.4
45.9	188.1	185.4	183.0	180.3	170.9	161.8	153.2	145.7	137.8	131.4	124.1	45.9
52.5	154.1	151.5	149.0	146.6	144.6	138.2	131.0	124.8	117.9	112.4	106.0	52.5
59.1	129.9	127.2	124.6	122.1	120.2	118.4	113.3	108.0	102.1	97.2	91.5	59.1
65.6	111.8	108.9	106.3	103.6	101.6	99.9	98.3	94.4	88.8	84.7	79.6	65.6
72.2	97.7	94.8	91.9	89.3	87.3	85.5	83.8	82.7	78.0	74.1	69.4	72.2
78.7	-	83.6	80.5	77.8	75.8	73.9	72.3	71.0	68.8	65.3	60.8	78.7
85.3	-	74.3	71.2	68.6	66.4	64.4	62.6	61.5	59.7	57.5	53.4	85.3
91.9	-	66.8	63.5	60.6	58.4	56.4	54.7	53.1	51.1	50.5	47.0	91.9
98.4	-	-	57.1	54.2	51.8	49.6	47.6	46.1	44.1	43.2	41.0	98.4
111.5	-	-	-	43.9	41.0	38.4	36.2	34.6	32.6	31.7	29.5	111.5
124.7	-	-	-	35.9	32.6	30.0	27.6	26.0	23.8	22.9	20.7	124.7
137.8	-	-	-	-	26.5	23.4	20.9	19.2	17.0	15.9	13.7	137.8
150.9	-	-	-	-	-	18.3	15.7	13.9	11.5	10.4	8.2	150.9
164.0	-	-	-	-	-	-	11.5	9.5	7.1	-	-	164.0
177.2	-	-	-	-	-	-	8.2	-	-	-	-	177.2

**220,500 lb** **264,600 lb** **308,700 lb** **352,800 lb**  
**0 lb** **44,100 lb** **88,200 lb**

Capacities > 697,000 lb: Only with special equipment (heavy-duty head HA 882,000 lb + sheave assembly 882,000 lb)

# Operation

# SH/LH, SH/LH SGL\_S1

+   23.8 ft  32.2 ft/s  360° <b>ASME B30.5</b>												
137.8ft  157.5ft  177.2ft  196.9ft  216.5ft  236.2ft  255.9ft  275.6ft  295.3ft												
SH/LH  SH/LH  SH/LH SGL_S1  SH/LH  SH/LH SGL_S1												
ft <span style="margin-left: 200px;">1,000 lb</span> ft												
23.0	418.9	-	-	-	-	-	-	-	-	-	-	23.0
26.2	418.9	418.9	418.9	-	-	-	-	-	-	-	-	26.2
29.5	418.9	418.9	418.9	402.3	384.7	-	-	-	-	-	-	29.5
32.8	418.9	410.1	388.0	368.2	350.5	332.9	306.4	-	-	-	-	32.8
36.1	391.3	371.5	352.7	336.2	319.7	305.3	291.0	248.0	274.5	203.3	241.4	36.1
39.4	356.0	339.5	323.0	308.6	294.3	281.1	267.9	248.0	253.5	203.3	241.4	39.4
42.7	327.4	312.0	297.6	284.4	272.3	260.1	248.0	239.2	234.8	203.3	224.9	42.7
45.9	302.0	288.8	275.6	264.6	252.4	241.4	231.5	222.7	219.4	199.1	209.7	45.9
52.5	254.6	250.2	240.3	230.4	220.5	211.9	202.8	196.0	191.8	189.2	183.6	52.5
59.1	216.5	214.5	212.1	203.7	195.3	187.4	179.7	173.7	169.8	168.0	162.3	59.1
65.6	187.6	185.4	183.4	181.4	174.6	167.6	160.5	155.4	151.2	150.4	144.6	65.6
72.2	164.9	162.7	160.7	158.5	156.5	150.8	144.6	140.0	135.8	135.6	129.9	72.2
78.7	146.8	144.6	142.4	140.4	138.2	136.2	131.0	127.0	122.8	122.8	117.3	78.7
85.3	131.8	129.6	127.4	125.4	123.2	121.3	119.3	115.5	111.3	111.8	106.3	85.3
91.9	119.5	117.3	115.1	112.9	110.9	108.7	107.1	105.6	101.6	102.3	96.6	91.9
98.4	109.1	106.7	104.5	102.3	100.3	98.1	96.6	95.9	92.6	93.9	88.2	98.4
111.5	92.6	89.9	87.7	85.5	83.3	81.1	79.6	78.9	75.6	78.0	73.9	111.5
124.7	80.0	77.4	75.0	72.5	70.3	68.3	66.6	65.9	62.6	65.0	60.4	124.7
137.8	-	67.5	64.8	62.6	60.2	58.0	56.2	55.6	51.8	54.7	49.6	137.8
150.9	-	-	56.9	54.5	52.0	49.8	47.6	46.7	43.0	45.9	40.6	150.9
164.0	-	-	-	47.8	45.4	42.5	40.6	39.5	35.7	38.6	33.3	164.0
177.2	-	-	-	42.5	39.5	36.8	34.4	33.3	29.5	32.4	27.3	177.2
190.3	-	-	-	-	34.8	31.7	29.3	28.2	24.5	27.1	22.0	190.3
203.4	-	-	-	-	-	27.6	25.1	23.8	20.1	22.7	17.6	203.4
216.5	-	-	-	-	-	-	21.4	20.3	16.3	19.0	13.9	216.5
229.7	-	-	-	-	-	-	-	17.0	13.2	15.7	10.6	229.7
242.8	-	-	-	-	-	-	-	14.1	10.4	12.8	7.7	242.8
255.9	-	-	-	-	-	-	-	-	-	10.4	-	255.9

264,600 lb   308,700 lb   352,800 lb  
 44,100 lb   88,200 lb

For SH/LH SGL\_S1 a boom power-kit is required

# Operation

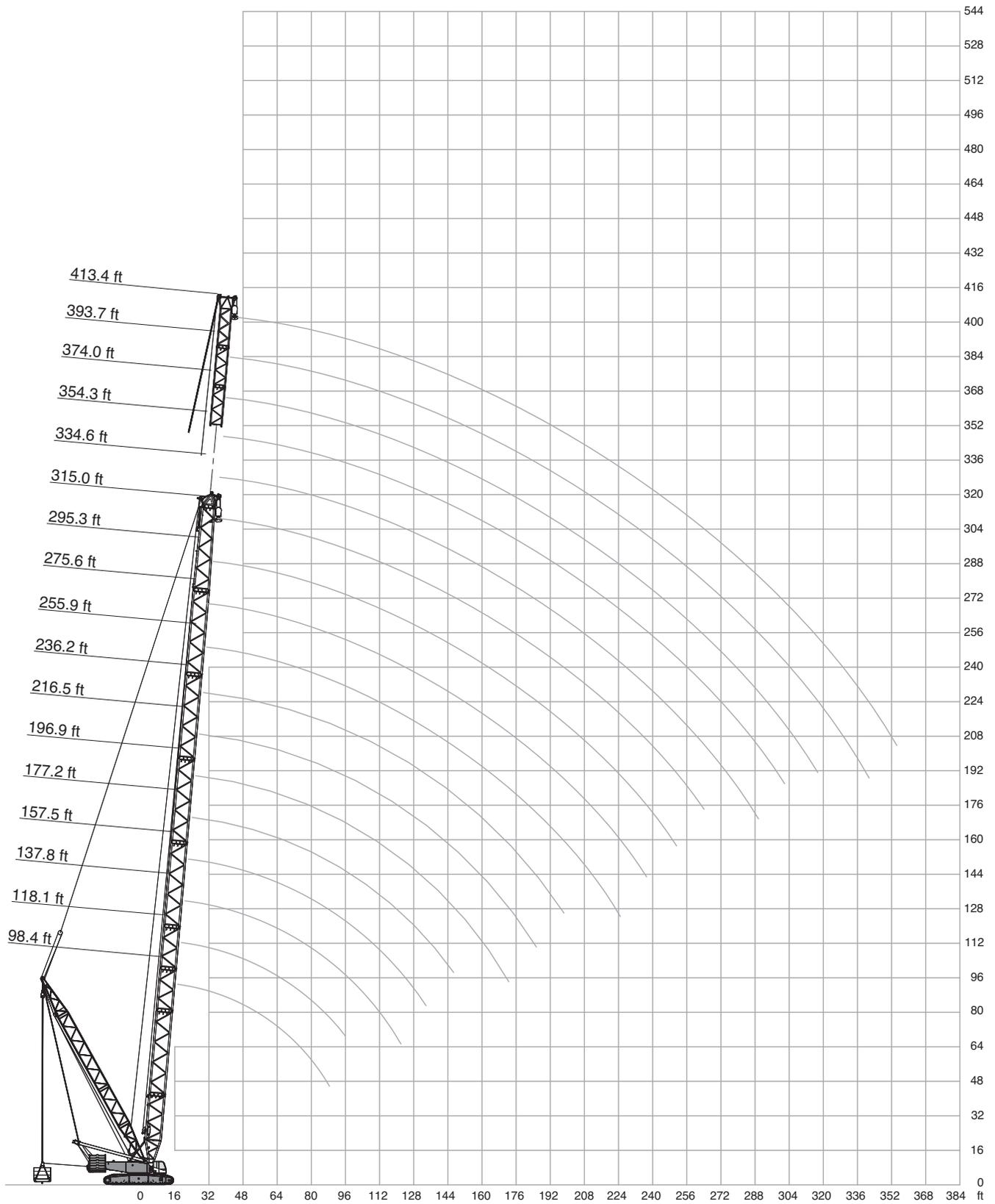
# SH/LH, SH/LH SGL\_S1

+ <span style="margin-left: 100px;"> 23.8 ft</span> <span style="margin-left: 50px;"> 32.2 ft/s</span> <span style="margin-left: 50px;">360°</span> <span style="float: right;">ASME B30.5</span>													
<span style="margin-left: 20px;"> 137.8ft</span> <span style="margin-left: 20px;">157.5ft</span> <span style="margin-left: 20px;">177.2ft</span> <span style="margin-left: 20px;">196.9ft</span> <span style="margin-left: 20px;">216.5ft</span> <span style="margin-left: 20px;">236.2ft</span> <span style="margin-left: 20px;">255.9ft</span> <span style="margin-left: 50px;">275.6ft</span> <span style="margin-left: 50px;">295.3ft</span>													
SH/LH													
1,000 lb													
ft													ft
23.0	403.4	-	-	-	-	-	-	-	-	-	-	-	23.0
26.2	348.3	325.2	304.2	-	-	-	-	-	-	-	-	-	26.2
29.5	306.4	287.7	270.1	254.6	239.2	-	-	-	-	-	-	-	29.5
32.8	273.4	256.8	242.5	229.3	216.5	204.6	193.1	-	-	-	-	-	32.8
36.1	245.8	232.6	220.0	208.1	196.9	186.3	176.4	168.2	164.2	160.5	155.0	-	36.1
39.4	222.7	211.9	200.6	190.0	180.1	170.6	161.6	154.5	150.4	147.5	142.2	-	39.4
42.7	204.6	194.0	184.1	174.8	165.8	157.2	148.8	142.4	138.5	136.2	130.7	-	42.7
45.9	188.3	178.8	170.0	161.4	153.2	145.3	137.6	131.8	127.9	126.1	120.8	-	45.9
52.5	155.2	153.2	146.6	139.3	132.3	125.4	118.8	114.0	110.0	109.1	103.6	-	52.5
59.1	130.7	128.8	126.8	121.7	115.5	109.6	103.6	99.4	95.5	95.2	89.7	-	59.1
65.6	112.2	110.2	108.0	106.0	102.1	96.6	91.3	87.5	83.3	83.8	78.3	-	65.6
72.2	97.9	95.7	93.7	91.5	89.5	85.8	80.9	77.6	73.4	74.3	68.6	-	72.2
78.7	86.4	84.2	82.0	80.0	77.8	75.8	71.9	69.0	64.8	65.9	60.4	-	78.7
85.3	76.9	74.7	72.5	70.3	68.3	66.4	64.4	61.5	57.3	58.9	53.1	-	85.3
91.9	69.0	66.8	64.6	62.4	60.4	58.4	56.9	55.1	50.9	52.5	47.0	-	91.9
98.4	62.6	60.2	58.0	55.8	53.6	51.6	49.8	48.9	45.2	47.0	41.4	-	98.4
111.5	52.0	49.6	47.2	45.0	42.5	40.1	38.1	37.3	33.5	36.4	31.3	-	111.5
124.7	44.3	41.7	39.2	36.4	34.0	31.3	29.3	28.4	24.7	27.6	22.5	-	124.7
137.8	-	35.5	32.6	29.8	27.1	24.5	22.5	21.6	17.6	20.7	15.4	-	137.8
150.9	-	-	27.3	24.5	21.6	19.0	17.0	15.9	12.1	15.0	9.9	-	150.9
164.0	-	-	-	20.1	17.2	14.6	12.3	11.2	7.5	10.4	-	-	164.0
177.2	-	-	-	16.8	13.7	10.8	8.6	7.5	-	6.4	-	-	177.2
190.3	-	-	-	-	10.8	7.7	-	-	-	-	-	-	190.3

220,500 lb

0 lb

For SH/LH SGL\_S1 a boom power-kit is required



# Operation

 <b>352,800 lb + 88,200 lb</b>  <b>29.5-49.2 ft</b>  <b>23.8 ft</b>  <b>32.2 ft/s</b>  <b>360°</b>  <b>ASME B30.5</b>													
		98.4 ft		118.1 ft		137.8 ft		157.5 ft		177.2 ft		196.9 ft	
		0 lb	0 lb-529,200 lb										
ft		1,000 lb											
19.7	791.5	881.8	-	-	-	-	-	-	-	-	-	-	-
23.0	745.2	881.8	705.5	881.8	650.4	881.8	-	-	-	-	-	-	-
26.2	650.4	881.8	604.1	881.8	564.4	881.8	526.9	844.4	493.8	771.6	-	-	-
29.5	564.4	881.8	529.1	881.8	496.0	881.8	467.4	844.4	440.9	771.6	416.7	674.6	-
32.8	489.4	881.8	469.6	881.8	443.1	881.8	418.9	844.4	396.8	771.6	375.9	670.2	-
39.4	384.7	881.8	382.5	881.8	363.8	881.8	346.1	837.8	328.5	771.6	313.1	668.0	-
45.9	314.2	791.5	312.0	804.7	306.4	798.1	293.2	771.6	280.0	743.0	267.9	668.0	-
52.5	259.0	687.8	256.8	712.1	254.6	709.9	252.4	703.3	242.5	683.4	232.6	628.3	-
59.1	220.5	586.4	218.0	632.7	215.6	630.5	213.6	628.3	212.1	623.9	204.8	586.4	-
65.6	190.9	520.3	188.3	562.2	185.6	566.6	183.9	564.4	182.1	560.0	180.6	549.0	-
72.2	167.8	478.4	165.1	485.0	162.5	507.1	160.5	507.1	158.7	507.1	157.2	504.9	-
78.7	149.3	418.9	146.6	451.9	144.0	463.0	142.0	458.6	140.0	456.4	138.5	456.4	-
85.3	134.3	363.8	131.4	418.9	128.8	421.1	126.5	417.8	124.8	416.7	123.0	416.7	-
91.9	121.9	314.2	118.8	381.4	116.0	386.9	114.0	385.8	112.0	381.4	110.2	381.4	-
98.4	-	-	108.2	339.5	105.4	357.1	103.2	356.0	101.2	354.9	99.4	351.6	-
105.0	-	-	99.4	299.8	96.3	330.7	93.9	329.6	91.9	328.5	90.2	325.2	-
111.5	-	-	-	-	88.4	308.6	86.0	307.5	84.0	305.3	82.0	304.2	-
124.7	-	-	-	-	75.8	251.3	73.2	270.1	70.8	267.9	68.8	266.8	-
137.8	-	-	-	-	-	-	63.3	235.9	60.6	238.1	58.4	237.0	-
144.4	-	-	-	-	-	-	59.1	214.5	56.4	224.9	54.2	223.8	-
150.9	-	-	-	-	-	-	-	-	52.5	213.8	50.0	212.3	-
157.5	-	-	-	-	-	-	-	-	49.2	201.9	46.3	201.5	-
164.0	-	-	-	-	-	-	-	-	-	-	43.0	191.8	-
177.2	-	-	-	-	-	-	-	-	-	-	37.3	173.9	-

 <b>216.5 ft</b>  <b>236.2 ft</b>  <b>255.9 ft</b>  <b>275.6 ft</b>  <b>295.3 ft</b>  <b>315.0 ft</b>													
		0 lb	0 lb-529,200 lb	0 lb	0 lb-529,200 lb	0 lb	0 lb-529,200 lb	0 lb	0 lb-529,200 lb	0 lb	0 lb-529,200 lb	0 lb	0 lb-529,200 lb
ft		1,000 lb											
29.5	394.6	582.0	-	-	-	-	-	-	-	-	-	-	-
32.8	357.1	582.0	339.5	502.7	324.1	435.4	-	-	-	-	-	-	-
36.1	326.3	577.6	310.9	502.7	297.6	435.4	283.3	378.1	-	-	-	-	-
39.4	299.8	577.6	285.5	500.4	273.4	434.3	261.2	378.1	250.2	320.8	239.2	278.9	-
45.9	256.8	577.6	245.8	500.4	235.9	432.1	226.0	374.8	217.2	320.8	207.9	278.9	-
52.5	222.7	564.4	214.3	500.4	206.1	432.1	197.5	372.6	190.0	320.8	182.1	278.9	-
59.1	197.1	535.7	188.9	480.6	182.1	428.8	174.6	371.5	168.0	319.7	160.9	278.9	-
65.6	175.3	507.1	168.2	463.0	162.3	412.3	155.4	363.8	149.7	318.6	143.3	278.9	-
72.2	156.1	480.6	150.8	445.3	145.5	401.2	139.6	356.0	134.3	310.9	128.5	275.6	-
78.7	137.1	456.4	135.6	425.5	131.4	390.2	125.9	349.4	121.3	306.4	115.7	270.1	-
85.3	121.9	415.6	120.2	405.7	119.3	374.8	114.0	341.7	109.8	302.0	104.7	266.8	-
91.9	108.9	381.4	107.4	380.3	106.7	358.3	103.8	328.5	99.9	295.4	95.0	263.5	-
98.4	98.1	350.5	96.3	350.5	95.7	341.7	93.9	315.3	91.1	285.5	86.6	257.9	-
111.5	80.7	302.0	78.9	300.9	78.3	300.9	76.3	288.8	75.2	264.6	72.3	241.4	-
124.7	67.5	265.7	65.7	263.5	64.8	263.5	62.8	261.2	61.5	243.6	59.5	223.8	-
137.8	57.1	235.9	54.9	234.8	53.8	234.8	51.6	231.5	50.3	223.8	48.1	209.4	-
150.9	48.3	211.2	45.9	209.9	44.8	209.7	42.5	208.1	41.2	203.3	39.0	194.0	-
164.0	41.0	190.7	38.6	189.2	37.5	188.7	35.1	187.2	33.7	182.5	31.5	178.8	-
177.2	35.1	173.3	32.4	171.7	31.3	171.3	28.9	169.5	27.3	168.9	25.1	163.4	-
190.3	30.0	158.5	27.3	156.7	26.0	156.3	23.6	154.5	22.0	153.7	19.8	152.1	-
203.4	-	-	22.7	144.0	21.6	143.3	19.0	141.5	17.4	140.4	15.0	138.9	-
216.5	-	-	-	-	17.2	131.8	14.6	130.1	13.0	129.2	10.6	127.4	-
229.7	-	-	-	-	13.4	119.7	10.6	120.2	9.0	119.0	-	117.3	-
242.8	-	-	-	-	-	-	7.3	109.1	-	110.2	-	108.5	-
255.9	-	-	-	-	-	-	-	-	-	99.2	-	100.5	-
269.0	-	-	-	-	-	-	-	-	-	-	-	91.3	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb	441,000 lb	529,200 lb
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Capacities > 697,000 lb: Only with special equipment (heavy-duty head HA 882,000 lb + sheave assembly 882,000 lb)

# Operation

# SSL/LSL, SSL/LSL SGL\_S1

352,800 lb +  88,200 lb  29.5-49.2 ft  23.8 ft  32.2 ft/s  360°  ASME B30.5															
255.9 ft				275.6 ft				295.3 ft				315.0 ft			
SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL SGL_S1	
0 lb		0 - 529,200lb		0 lb		0 - 529,200lb		0 lb		0 - 529,200lb		0 lb		0 - 529,200lb	
ft				1,000 lb											
32.8	328.5	379.2	379.2	-	-	-	-	-	-	-	-	-	-	-	-
36.1	302.0	379.2	379.2	289.9	348.3	348.3	277.8	313.1	318.6	-	-	-	-	-	-
39.4	278.9	379.2	379.2	267.9	348.3	348.3	257.9	313.1	318.6	248.0	277.8	287.7	-	-	-
45.9	240.3	379.2	379.2	231.5	348.3	348.3	223.8	310.9	318.6	215.8	277.8	287.7	-	-	-
52.5	210.8	377.0	379.2	203.7	348.3	348.3	196.9	308.6	318.6	190.0	277.8	287.7	-	-	-
59.1	186.7	371.5	379.2	180.8	348.3	348.3	174.8	306.4	318.6	168.9	277.8	287.7	-	-	-
65.6	166.9	362.7	379.2	161.6	348.3	348.3	156.5	303.1	318.6	151.5	277.8	287.7	-	-	-
72.2	150.1	354.9	379.2	145.7	348.3	348.3	141.1	297.6	318.6	136.7	275.6	287.7	-	-	-
78.7	136.0	346.1	379.2	132.1	348.3	348.3	128.1	292.1	318.6	123.9	271.2	287.7	-	-	-
85.3	121.9	323.0	379.2	120.4	347.2	348.3	116.6	291.0	318.6	112.9	267.9	287.7	-	-	-
91.9	108.9	310.9	379.2	108.2	321.9	348.3	106.7	288.8	310.9	103.2	263.5	283.3	-	-	-
98.4	98.1	295.4	350.5	97.4	309.7	347.2	96.6	271.2	299.8	94.8	257.9	275.6	-	-	-
111.5	80.5	271.2	302.0	79.8	285.5	299.8	79.1	253.5	277.8	78.3	243.6	256.8	-	-	-
124.7	67.2	248.0	263.5	66.4	263.5	262.4	65.7	233.7	255.7	64.8	223.8	237.0	-	-	-
137.8	56.4	227.1	234.8	55.6	232.6	231.5	54.7	221.6	230.4	53.6	211.9	217.8	-	-	-
150.9	47.6	210.5	210.8	46.5	210.3	208.8	45.6	208.3	205.5	44.5	202.6	198.2	-	-	-
164.0	40.1	190.3	190.0	39.0	189.6	188.3	38.1	188.9	186.3	37.0	187.0	178.8	-	-	-
177.2	34.0	172.8	172.6	32.8	172.2	170.6	32.0	171.5	168.9	30.6	170.9	159.2	-	-	-
190.3	28.9	157.9	157.9	27.8	157.2	155.9	26.7	156.5	153.9	25.4	155.9	147.5	-	-	-
203.4	24.5	145.1	145.1	23.4	144.4	142.9	22.3	143.7	140.9	20.9	142.9	136.2	-	-	-
216.5	20.3	134.0	134.0	19.0	133.2	131.8	17.9	132.5	129.6	16.5	131.6	125.2	-	-	-
229.7	-	-	-	15.4	123.5	121.9	14.1	122.6	119.7	12.8	121.7	114.0	-	-	-
242.8	-	-	-	12.3	114.9	112.2	10.8	113.8	107.4	9.5	112.9	102.7	-	-	-
255.9	-	-	-	-	-	-	7.9	106.0	94.4	6.4	104.9	92.2	-	-	-
269.0	-	-	-	-	-	-	-	-	-	-	98.1	82.5	-	-	-



# Operation

# SSL/LSL, SSL/LSL SGL\_S1

352,800 lb +  88,200 lb  29.5-49.2 ft  23.8 ft  32.2 ft/s  360° <b>ASME B30.5</b>															
334.6 ft				354.3 ft				374.0 ft				393.7 ft		413.4 ft	
SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL SGL_S1		SSL/LSL		SSL/LSL	
0 lb		0 - 529,200 lb		0 lb		0 - 529,200 lb		0 lb		0 - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb	
ft				1,000 lb											
39.4	231.5	233.7	270.1	-	-	-	-	-	-	-	-	-	-	-	-
42.7	216.1	233.7	270.1	207.7	201.7	237.0	191.1	171.3	207.2	-	-	-	-	-	-
45.9	205.7	233.7	269.0	194.0	201.7	237.0	185.4	171.3	207.2	119.0	145.3	96.1	123.0	-	-
52.5	183.6	231.5	267.9	170.6	200.2	237.0	163.1	169.1	207.0	119.0	144.2	96.1	122.1	-	-
59.1	163.4	230.4	265.7	157.9	198.6	237.0	144.6	167.1	207.0	119.0	142.0	96.1	120.2	-	-
65.6	146.6	228.2	261.2	141.5	197.1	237.0	136.9	166.0	207.0	119.0	140.0	96.1	118.4	-	-
72.2	132.3	227.1	257.9	127.9	195.6	237.0	123.7	165.6	207.0	119.0	139.1	96.1	116.6	-	-
78.7	119.9	224.9	251.3	116.0	193.6	234.8	112.0	164.9	206.8	108.7	138.2	96.1	115.5	-	-
85.3	109.3	223.8	244.7	105.6	191.4	232.6	102.1	162.5	205.7	99.0	136.7	95.5	115.1	-	-
91.9	99.9	221.6	238.1	96.6	190.5	230.4	93.3	160.1	204.6	90.4	134.0	87.1	113.1	-	-
98.4	91.7	220.5	232.6	88.4	190.0	229.3	85.3	157.6	203.7	82.7	131.6	79.6	111.1	-	-
111.5	77.6	211.6	217.8	74.7	186.7	222.7	72.1	152.6	202.2	69.7	129.0	67.0	106.9	-	-
124.7	64.6	201.1	202.8	63.7	179.0	211.4	61.3	147.3	193.1	59.1	126.3	56.7	106.3	-	-
137.8	53.4	190.7	187.6	53.1	171.3	199.5	52.2	142.2	184.1	50.3	121.7	47.8	102.3	-	-
150.9	44.1	182.5	172.6	43.9	164.0	188.3	43.2	137.1	175.0	42.8	116.8	40.6	98.5	-	-
164.0	36.6	175.9	157.6	36.4	158.1	178.1	35.5	131.8	166.0	35.3	112.0	34.0	94.8	-	-
177.2	30.2	169.5	142.6	29.8	152.1	164.9	29.1	125.7	157.0	28.9	107.1	28.0	90.8	-	-
190.3	24.9	155.9	128.5	24.5	145.7	151.0	23.1	120.4	147.9	22.9	102.3	22.3	87.1	-	-
203.4	20.3	142.9	119.3	19.8	139.6	137.8	19.2	114.9	136.5	17.6	97.7	17.0	83.1	-	-
216.5	16.1	131.4	110.0	15.7	131.4	126.3	14.8	107.1	124.8	14.6	92.8	13.9	79.4	-	-
229.7	12.1	121.5	101.0	11.7	121.3	116.2	10.8	102.1	114.6	10.6	86.0	9.7	75.6	-	-
242.8	8.8	112.4	91.7	8.2	112.4	107.1	7.3	97.2	105.6	6.8	82.2	6.2	72.1	-	-
255.9	5.7	104.5	82.9	-	104.3	99.2	-	92.8	97.7	-	78.7	-	68.6	-	-
269.0	-	97.4	74.3	-	97.2	92.2	-	88.4	90.4	-	76.1	-	65.5	-	-
282.2	-	91.3	66.6	-	90.8	85.5	-	84.2	83.8	-	73.4	-	63.5	-	-
295.3	-	85.5	58.6	-	84.9	79.8	-	79.8	78.0	-	70.8	-	61.7	-	-
308.4	-	-	-	-	79.6	74.5	-	75.4	72.5	-	68.1	-	59.7	-	-
321.5	-	-	-	-	-	-	-	71.0	67.7	-	65.5	-	58.0	-	-
334.6	-	-	-	-	-	-	-	-	-	-	62.8	-	56.2	-	-
347.8	-	-	-	-	-	-	-	-	-	-	60.2	-	54.2	-	-
360.9	-	-	-	-	-	-	-	-	-	-	-	-	52.5	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb	441,000 lb	529,200 lb
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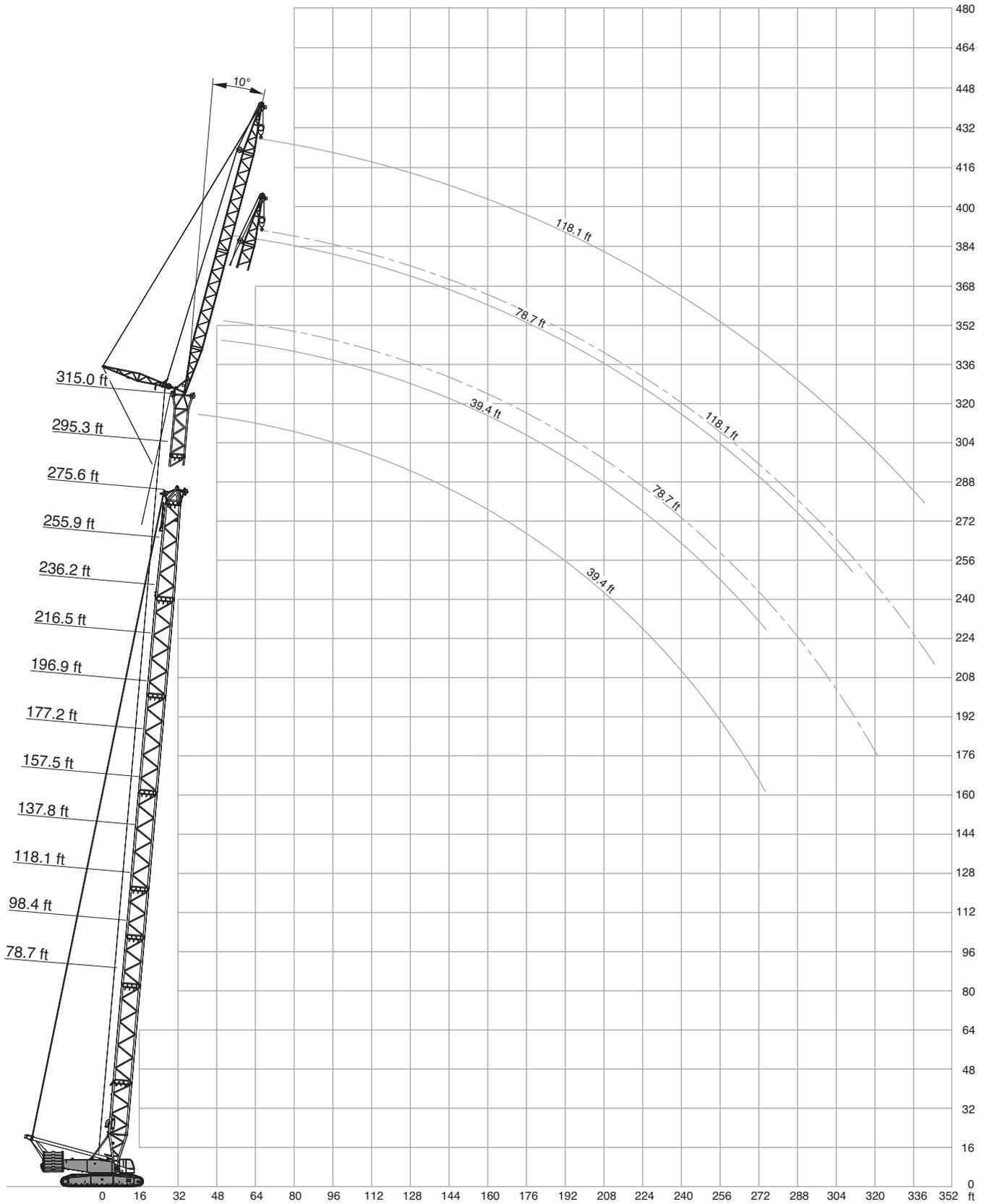


# FIXED FLY JIB



# Operation

## SH+LF2, SH/LH+LF2 SH/LH SGL\_S1+LF2



# Operation

SH+LF2

		39.4-118.1 ft									23.8 ft			32.2 ft/s			360°			ASME B30.5		
		78.7 ft									98.4 ft											
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft					
		10°	15°	20°	10°	20°	30°	10°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°			
ft		1,000 lb									1,000 lb											
26.2	257.9	-	-	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-	-		
29.5	257.9	235.9	-	-	-	-	-	-	-	-	257.9	235.9	-	-	-	-	-	-	-	-		
32.8	257.9	218.3	173.1	-	-	-	-	-	-	-	257.9	229.3	178.6	-	-	-	-	-	-	-		
36.1	251.3	202.8	163.1	142.2	-	-	-	-	-	-	257.9	215.0	168.7	-	-	-	-	-	-	-		
39.4	231.5	189.6	154.3	142.2	-	-	-	-	-	-	253.5	201.7	160.9	142.2	-	-	-	-	-	-		
45.9	201.7	167.6	138.9	131.2	-	-	-	84.2	-	-	220.5	180.8	146.6	137.8	-	-	-	-	-	-		
49.2	189.6	158.7	132.3	122.4	83.6	-	-	84.2	-	-	208.3	172.0	140.0	130.1	-	-	-	83.8	-	-		
52.5	178.6	151.0	125.7	114.6	79.6	-	-	82.9	-	-	197.3	163.1	134.5	122.4	81.8	-	-	82.9	-	-		
59.1	159.8	136.7	115.7	102.7	72.5	-	-	80.7	-	-	177.5	148.8	123.5	110.2	75.2	-	-	81.4	-	-		
62.3	152.1	131.2	111.3	97.4	69.7	52.0	-	78.5	-	-	168.7	143.3	119.0	104.9	72.3	52.9	-	80.7	-	-		
65.6	144.4	125.7	107.6	92.6	66.8	50.3	74.5	52.5	-	-	160.9	137.8	115.7	100.1	69.7	51.1	-	78.5	-	-		
72.2	132.3	115.7	100.3	84.2	61.7	47.0	67.5	48.3	-	-	147.7	126.8	108.5	91.3	64.8	48.1	71.4	49.6	-	-		
78.7	121.3	108.0	94.1	77.2	57.3	44.1	61.5	44.8	-	-	136.7	119.0	102.1	84.0	60.4	45.4	65.5	46.1	-	-		
85.3	113.5	101.2	88.8	71.2	53.6	41.4	56.7	41.4	31.3	-	126.8	111.3	96.6	77.8	56.9	43.0	60.4	43.0	31.7	-		
91.9	106.0	95.2	84.2	66.1	50.5	39.2	52.2	38.8	29.3	-	114.6	105.2	91.7	72.3	53.6	41.0	56.0	40.3	30.0	-		
98.4	99.4	89.9	80.5	61.7	47.6	37.3	48.5	36.4	27.6	-	105.2	99.6	87.3	67.7	50.7	39.0	52.0	37.9	28.2	-		
105.0	94.4	86.0	77.2	58.1	45.2	35.6	45.4	34.3	26.1	-	96.7	94.1	83.9	63.7	48.2	37.4	48.8	35.8	26.9	-		
111.5	89.3	82.0	-	54.5	42.8	34.0	42.3	32.2	24.7	-	88.2	88.6	80.5	59.7	45.6	35.7	45.6	33.7	25.6	-		
124.7	-	-	-	48.7	39.0	31.5	37.5	28.9	22.3	-	75.4	75.6	75.2	53.6	41.7	33.1	40.6	30.4	23.1	-		
131.2	-	-	-	46.4	37.5	30.5	35.5	27.4	21.3	-	-	70.1	-	51.0	40.1	32.1	38.5	29.1	22.2	-		
137.8	-	-	-	44.1	35.9	29.5	33.5	26.0	20.3	-	-	-	-	48.5	38.6	31.1	36.4	27.8	21.2	-		
144.4	-	-	-	42.1	34.8	-	31.9	24.9	19.5	-	-	-	-	46.5	37.3	30.3	34.6	26.6	20.4	-		
150.9	-	-	-	-	-	-	30.2	23.8	18.7	-	-	-	-	44.5	35.9	29.5	32.8	25.4	19.6	-		
164.0	-	-	-	-	-	-	27.6	22.0	17.6	-	-	-	-	41.2	34.2	-	30.2	23.4	18.3	-		
177.2	-	-	-	-	-	-	25.4	20.5	16.5	-	-	-	-	-	-	-	27.8	21.8	17.2	-		
190.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.8	20.5	16.5	-		
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.0	-	-	-		

		118.1 ft									137.8 ft									
ft		1,000 lb									1,000 lb									
29.5	257.9	-	-	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-	-
32.8	257.9	238.1	-	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-	-
36.1	257.9	224.9	174.2	-	-	-	-	-	-	-	257.9	231.5	178.6	-	-	-	-	-	-	-
39.4	257.9	212.7	166.4	140.0	-	-	-	-	-	-	257.9	220.5	170.9	-	-	-	-	-	-	-
42.7	253.5	201.7	158.7	140.0	-	-	-	-	-	-	257.9	210.5	164.2	138.9	-	-	-	-	-	-
45.9	238.1	191.8	152.1	138.9	-	-	-	-	-	-	255.7	200.6	157.6	137.8	-	-	-	-	-	-
49.2	224.9	181.9	146.6	136.7	-	-	-	82.5	-	-	240.3	191.8	152.1	137.8	-	-	-	-	-	-
52.5	213.8	174.2	141.1	130.1	83.6	-	-	82.5	-	-	229.3	184.1	146.6	135.6	-	-	-	81.8	-	-
55.8	203.9	166.4	135.6	123.5	80.5	-	-	82.0	-	-	218.3	176.4	141.1	129.0	82.0	-	-	81.8	-	-
59.1	194.0	159.8	131.2	116.8	77.4	-	-	81.6	-	-	207.2	169.8	136.7	123.5	79.1	-	-	81.6	-	-
65.6	176.4	147.7	122.4	106.7	72.1	52.0	80.2	-	-	-	179.7	157.6	129.0	112.4	74.1	52.7	-	80.5	-	-
72.2	158.7	137.8	114.6	97.9	67.2	49.2	75.2	50.5	-	-	156.5	146.6	121.3	103.8	69.4	50.0	78.7	51.4	-	-
78.7	140.0	129.0	108.9	90.2	63.1	46.7	69.2	47.2	-	-	137.8	137.8	114.6	96.1	65.5	47.6	72.5	48.3	-	-
85.3	125.7	121.3	103.2	83.8	59.5	44.3	63.9	44.3	-	-	123.5	123.5	109.3	89.3	61.9	45.4	67.2	45.4	-	-
91.9	112.4	113.5	98.3	78.0	56.2	42.3	59.3	41.7	30.4	-	110.2	111.3	104.3	83.6	58.6	43.4	62.6	42.8	30.6	-
98.4	102.7	103.4	93.7	73.2	53.4	40.3	55.3	39.2	28.9	-	100.3	101.2	99.6	78.3	55.8	41.7	58.6	40.6	29.3	-
111.5	85.8	86.2	86.2	64.8	48.5	37.3	48.7	35.3	26.2	-	83.3	84.0	84.4	69.7	50.7	38.6	51.8	36.6	26.7	-
124.7	72.8	73.2	73.6	58.2	44.3	34.6	43.4	32.0	23.8	-	70.3	71.0	71.2	62.8	46.7	35.9	46.3	33.3	24.5	-
137.8	62.6	62.8	63.1	52.9	41.0	32.4	39.0	29.1	22.0	-	60.2	60.6	60.8	57.1	43.2	33.7	41.7	30.4	22.7	-
144.4	58.4	58.6	-	50.7	39.6	31.5	37.3	28.0	21.3	-	56.1	56.4	56.7	54.7	41.8	32.8	39.8	29.2	21.9	-
150.9	-	-	-	48.5	38.1	30.6	35.5	26.9	20.5	-	52.0	52.2	52.5	52.2	40.3	32.0	37.9	28.0	21.2	-
157.5	-	-	-	46.6	37.0	30.0	34.0	25.9	19.8	-	48.6	48.8	48.9	50.4	39.1	31.2	36.4	27.0	20.5	-
164.0	-	-	-	44.8	35.9	29.3	32.4	24.9	19.2	-	45.2	45.4	-	48.5	37.9	30.4	34.8	26.0	19.8	-
177.2	-	-	-	41.9	34.2	-	30.0	23.1	18.1	-	-	-	-	43.0	35.9	29.1	32.0	24.3	18.7	-
190.3	-	-	-	-	-	-	27.8	21.8	17.2	-	-	-	-	37.9	34.4	-	29.8	22.9	17.6	-
203.4	-	-	-	-	-	-	26.0	20.5	16.3	-	-	-	-	-	-	-	27.8	21.6	17.0	-
216.5	-	-	-	-	-	-	24.5	19.6	-	-	-	-	-	-	-	-	26.0	20.5	16.3	-
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	19.6	-	-

220,500 lb   
 264,600 lb   
 352,800 lb  
 0 lb   
 44,100 lb   
 88,200 lb

# Operation

SH+LF2

		39.4-118.1 ft									23.8 ft			32.2 ft/s			360°			ASME B30.5		
		157.5 ft									177.2 ft											
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft					
		10°	15°	20°	10°	20°	30°	10°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°			
ft	1,000 lb	1,000 lb																				
32.8	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36.1	257.9	229.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
39.4	257.9	227.1	174.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
42.7	257.9	218.3	167.6	133.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45.9	257.9	208.3	162.0	133.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
52.5	224.9	191.8	151.0	132.3	-	-	80.9	-	-	-	-	-	-	-	-	-	-	-	-	-		
55.8	210.5	185.2	146.6	131.2	83.6	-	80.9	-	-	-	-	-	-	-	-	-	-	80.0	-	-		
59.1	198.4	177.5	142.2	127.9	80.7	-	80.7	-	-	-	-	-	-	-	-	-	-	82.2	-	80.0		
65.6	176.4	165.3	133.4	117.9	75.8	-	80.0	-	-	-	-	-	-	-	-	-	-	77.4	-	79.6		
72.2	154.3	155.4	126.8	109.3	71.4	50.7	78.9	52.2	-	-	-	-	-	-	-	-	-	69.2	51.4	80.0		
78.7	135.6	136.7	120.2	101.4	67.5	48.5	75.6	49.2	-	-	-	-	-	-	-	-	-	69.2	49.2	77.6		
85.3	121.3	122.4	114.6	94.6	63.9	46.3	70.3	46.3	-	-	-	-	-	-	-	-	-	65.9	47.2	73.2		
91.9	108.7	109.6	109.6	88.6	60.8	44.5	65.7	43.9	31.1	-	-	-	-	-	-	-	-	62.8	45.2	68.6		
98.4	98.1	99.0	99.6	83.3	58.0	42.8	61.5	41.7	29.5	-	-	-	-	-	-	-	-	60.0	43.7	64.4		
111.5	81.1	81.8	82.5	74.3	52.9	39.7	54.5	37.7	27.1	-	-	-	-	-	-	-	-	54.9	40.6	57.1		
124.7	68.1	68.6	69.2	67.0	48.9	37.0	48.9	34.4	25.1	-	-	-	-	-	-	-	-	50.7	38.1	51.4		
137.8	57.8	58.2	58.6	61.1	45.4	34.8	44.3	31.7	23.4	-	-	-	-	-	-	-	-	47.2	35.9	46.5		
150.9	49.6	49.8	50.3	53.6	42.3	32.8	40.3	29.3	21.8	-	-	-	-	-	-	-	-	44.3	34.0	42.5		
164.0	42.3	42.8	43.0	46.5	39.9	31.3	37.0	27.1	20.5	-	-	-	-	-	-	-	-	44.3	32.4	39.0		
177.2	36.4	36.6	-	40.6	37.7	30.0	34.2	25.4	19.2	-	-	-	-	-	-	-	-	37.9	30.9	36.2		
190.3	-	-	-	35.3	35.9	29.1	31.7	24.0	18.3	-	-	-	-	-	-	-	-	32.6	29.8	33.5		
203.4	-	-	-	30.6	31.5	-	29.5	22.5	17.4	-	-	-	-	-	-	-	-	28.0	29.1	30.9		
216.5	-	-	-	26.7	-	-	27.8	21.4	16.8	-	-	-	-	-	-	-	-	24.0	24.9	26.7		
229.7	-	-	-	-	-	-	25.6	20.5	16.1	-	-	-	-	-	-	-	-	20.5	-	23.1		
242.8	-	-	-	-	-	-	22.5	19.6	-	-	-	-	-	-	-	-	-	-	-	20.1		
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.2		
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.6		

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH+LF2

		39.4-118.1 ft									23.8 ft			32.2 ft/s			360°			ASME B30.5		
		196.9 ft									216.5 ft											
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft					
		10°	15°	20°	10°	20°	30°	10°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°			
ft	1,000 lb	1,000 lb																				
36.1	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
39.4	257.9	229.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
42.7	255.7	229.3	174.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45.9	235.9	220.5	168.7	129.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
49.2	220.5	213.8	164.2	129.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
52.5	206.1	206.1	158.7	127.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
55.8	194.0	196.2	154.3	127.9	-	-	78.3	-	-	-	-	-	-	-	-	-	-	-	-	-		
59.1	181.9	184.1	149.9	127.9	83.3	-	78.3	-	-	-	-	-	-	-	-	-	-	76.3	-	-		
62.3	170.9	173.1	146.6	126.8	80.9	-	78.3	-	-	-	-	-	-	-	-	-	-	76.3	-	-		
65.6	162.0	163.1	142.2	124.6	78.7	-	78.0	-	-	-	-	-	-	-	-	-	-	-	-	-		
72.2	144.4	146.6	135.6	119.0	74.5	51.8	77.8	-	-	-	-	-	-	-	-	-	-	76.1	-	-		
78.7	130.1	132.3	129.0	110.2	71.0	49.6	76.9	50.5	-	-	-	-	-	-	-	-	-	75.8	51.1	-		
85.3	116.8	117.9	119.0	104.1	67.5	47.8	75.8	47.8	-	-	-	-	-	-	-	-	-	75.4	48.5	-		
91.9	104.3	105.4	106.5	97.9	64.4	46.1	71.2	45.6	-	-	-	-	-	-	-	-	-	73.6	46.3	-		
98.4	93.7	94.6	95.7	92.2	61.7	44.3	67.0	43.4	30.2	-	-	-	-	-	-	-	-	69.4	44.3	30.4		
111.5	76.5	77.4	78.3	81.8	56.9	41.4	59.7	39.7	28.0	-	-	-	-	-	-	-	-	62.2	40.6	28.2		
124.7	63.5	64.2	64.8	68.3	52.7	39.0	53.8	36.6	26.0	-	-	-	-	-	-	-	-	56.0	37.5	26.2		
137.8	52.9	53.6	54.2	57.8	49.2	36.8	48.9	33.7	24.3	-	-	-	-	-	-	-	-	51.1	34.6	24.7		
150.9	43.9	44.5	45.2	49.2	46.1	34.8	44.8	31.3	22.7	-	-	-	-	-	-	-	-	46.7	32.4	23.1		
164.0	36.6	37.3	37.7	41.7	43.2	33.3	41.2	29.3	21.4	-	-	-	-	-	-	-	-	43.2	30.2	21.8		
177.2	30.6	30.9	31.3	35.5	37.3	31.7	38.1	27.6	20.3	-	-	-	-	-	-	-	-	36.6	28.4	20.7		
190.3	25.4	25.8	26.0	30.0	31.5	30.6	33.1	25.8	19.2	-	-	-	-	-	-	-	-	31.1	26.7	19.6		
203.4	20.9	21.2	21.4	25.4	26.7	27.8	28.4	24.5	18.3	-	-	-	-	-	-	-	-	26.5	25.4	18.7		
216.5	-	17.4	-	21.4	22.5	23.4	24.3	23.1	17.6	-	-	-	-	-	-	-	-	22.3	24.0	18.1		
229.7	-	-	-	17.9	18.7	-	20.7	22.0	17.0	-	-	-	-	-	-	-	-	18.5	20.5	17.4		
242.8	-	-	-	14.8	15.4	-	17.4	19.0	16.3	-	-	-	-	-	-	-	-	15.4	17.2	16.8		
255.9	-	-	-	-	-	-	14.6	15.9	15.9	-	-	-	-	-	-	-	-	12.6	14.1	15.4		
269.0	-	-	-	-	-	-	12.1	13.2	-	-	-	-	-	-	-	-	-	9.9	11.2	12.3		
282.2	-	-	-	-	-	-	9.9	10.8	-	-	-	-	-	-	-	-	-	7.7	8.8	-		
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	6.6	-		

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb



# Operation

## SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
137.8 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft						78.7 ft			118.1 ft			
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												1,000 lb
32.8	255.7	-	-	-	-	-	-	-	-	-	-	-
36.1	253.5	206.1	-	-	-	-	-	-	-	-	-	-
39.4	249.1	197.3	155.4	-	-	-	-	-	-	-	-	-
42.7	244.7	188.5	149.9	-	-	-	126.8	-	-	-	-	-
45.9	233.7	180.8	144.4	91.3	-	-	126.8	-	-	-	-	-
52.5	212.7	166.4	134.5	86.9	-	-	125.7	-	-	76.5	-	-
55.8	202.8	159.8	130.1	84.9	-	-	119.0	75.2	-	76.5	-	-
59.1	194.0	154.3	126.8	82.9	-	-	113.5	72.5	-	76.1	-	-
65.6	178.6	144.4	119.0	79.4	-	-	105.2	68.1	43.4	75.6	-	-
72.2	160.9	135.6	112.4	76.3	-	-	97.2	64.2	41.4	73.2	47.2	-
78.7	142.2	127.9	107.6	73.6	-	-	90.4	60.6	39.7	67.9	44.3	-
85.3	127.9	121.3	102.5	71.0	-	-	84.4	57.5	37.9	63.1	41.9	-
91.9	115.7	114.6	98.1	68.8	-	-	79.1	54.7	36.4	59.1	39.7	25.1
98.4	105.2	105.6	93.9	66.6	-	-	74.5	52.0	35.1	55.3	37.5	24.0
111.5	88.2	88.6	87.1	63.3	-	-	66.6	47.6	32.6	49.2	34.0	22.0
124.7	75.4	75.6	76.1	60.4	-	-	60.2	44.1	30.6	44.1	31.1	20.3
131.2	70.2	70.5	70.9	59.3	-	-	57.5	42.5	29.9	42.0	29.8	19.6
137.8	65.0	65.5	65.7	-	-	-	54.9	41.0	29.1	39.9	28.4	19.0
150.9	56.9	57.1	57.3	-	-	-	50.7	38.4	27.6	36.4	26.5	17.6
157.5	53.6	53.6	-	-	-	-	48.8	37.3	27.1	34.9	25.5	17.2
164.0	50.3	-	-	-	-	-	47.0	36.2	26.7	33.5	24.5	16.8
177.2	-	-	-	-	-	-	43.9	34.4	-	30.9	22.9	15.9
190.3	-	-	-	-	-	-	41.2	33.1	-	28.9	21.6	15.0
203.4	-	-	-	-	-	-	-	-	-	26.9	20.5	14.6
216.5	-	-	-	-	-	-	-	-	-	25.4	19.6	-
229.7	-	-	-	-	-	-	-	-	-	24.0	18.7	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

+ <b>39.4-118.1 ft</b> <b>23.8 ft</b> <b>32.2 ft/s</b> <b>360°</b> <b>ASME B30.5</b>												
<b>157.5 ft</b>												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
32.8	242.5	-	-	-	-	-	-	-	-	-	-	-
36.1	242.5	210.5	-	-	-	-	-	-	-	-	-	-
39.4	240.3	201.7	157.6	-	-	-	-	-	-	-	-	-
42.7	235.9	194.0	152.1	-	-	-	124.6	-	-	-	-	-
45.9	231.5	186.3	147.7	91.9	-	-	124.6	-	-	-	-	-
52.5	222.7	173.1	137.8	88.0	-	-	124.6	-	-	75.2	-	-
55.8	213.8	166.4	134.5	86.0	-	-	123.5	76.1	-	75.2	-	-
59.1	203.9	160.9	130.1	84.2	-	-	117.9	73.6	-	75.2	-	-
65.6	181.9	151.0	123.5	80.9	-	-	109.6	69.4	-	74.7	-	-
72.2	158.7	142.2	116.8	78.0	-	-	101.6	65.7	41.7	74.5	47.6	-
78.7	141.1	134.5	111.3	75.4	-	-	94.8	62.2	39.9	70.3	45.0	-
85.3	125.7	126.8	106.9	72.8	-	-	88.6	59.1	38.4	65.7	42.5	-
91.9	113.5	113.5	102.5	70.5	-	-	83.3	56.4	37.0	61.5	40.3	25.1
98.4	103.0	103.6	98.3	68.6	-	-	78.7	54.0	35.7	57.8	38.4	24.3
111.5	86.2	86.6	87.1	65.0	-	-	70.5	49.6	33.3	51.6	34.8	22.3
124.7	73.2	73.6	74.1	62.2	-	-	63.9	45.9	31.5	46.3	32.0	20.7
137.8	62.8	63.3	63.5	60.0	-	-	58.4	42.8	29.8	42.1	29.5	19.2
144.4	58.8	59.1	59.3	58.9	-	-	56.2	41.4	29.1	40.3	28.4	18.6
150.9	54.7	54.9	55.1	-	-	-	54.0	40.1	28.4	38.6	27.3	18.1
164.0	47.8	48.1	48.3	-	-	-	50.0	37.9	27.1	35.5	25.6	17.0
177.2	42.3	42.5	-	-	-	-	44.8	35.9	26.2	32.8	24.0	16.1
190.3	-	-	-	-	-	-	39.9	34.4	-	30.6	22.5	15.4
203.4	-	-	-	-	-	-	35.7	33.1	-	28.7	21.4	14.8
216.5	-	-	-	-	-	-	31.7	-	-	26.9	20.3	14.3
229.7	-	-	-	-	-	-	-	-	-	25.4	19.4	-
242.8	-	-	-	-	-	-	-	-	-	24.0	18.7	-
255.9	-	-	-	-	-	-	-	-	-	23.1	-	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

## SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
177.2 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
36.1	229.3	-	-	-	-	-	-	-	-	-	-	-
39.4	229.3	205.0	-	-	-	-	-	-	-	-	-	-
42.7	224.9	198.4	154.3	-	-	-	-	-	-	-	-	-
45.9	222.7	190.7	149.9	-	-	-	122.4	-	-	-	-	-
49.2	219.4	184.1	145.5	90.6	-	-	122.4	-	-	-	-	-
52.5	215.0	178.6	141.1	88.8	-	-	121.3	-	-	-	-	-
55.8	208.3	172.0	137.8	87.1	-	-	121.3	-	-	73.6	-	-
59.1	196.2	166.4	133.4	85.3	-	-	121.3	74.5	-	73.6	-	-
65.6	175.3	156.5	126.8	82.2	-	-	113.5	70.5	-	73.6	-	-
72.2	156.5	147.7	121.3	79.4	-	-	105.8	66.8	41.9	73.4	-	-
78.7	138.9	140.0	115.7	76.7	-	-	98.8	63.5	40.3	72.5	45.4	-
85.3	123.5	124.6	110.2	74.5	-	-	92.8	60.6	38.8	67.9	43.0	-
91.9	111.3	112.4	106.5	72.3	-	-	87.3	58.0	37.5	63.7	41.0	25.1
98.4	101.0	101.6	102.5	70.3	-	-	82.5	55.6	36.2	60.0	39.0	24.3
111.5	84.0	84.7	85.1	66.8	-	-	74.3	51.1	34.0	53.8	35.7	22.5
124.7	71.0	71.4	71.9	63.7	-	-	67.5	47.4	32.0	48.5	32.8	20.9
137.8	60.6	61.1	61.5	61.3	-	-	61.9	44.3	30.4	44.1	30.4	19.6
150.9	52.5	52.7	53.1	53.6	-	-	55.6	41.7	29.1	40.3	28.2	18.5
157.5	49.1	49.3	49.6	50.0	-	-	52.1	40.5	28.4	38.8	27.3	18.0
164.0	45.6	45.9	46.1	-	-	-	48.7	39.2	27.8	37.3	26.5	17.4
177.2	39.7	39.9	40.1	-	-	-	42.8	37.3	26.9	34.6	24.9	16.5
190.3	34.6	34.8	-	-	-	-	37.7	35.7	26.0	32.2	23.4	15.7
203.4	-	-	-	-	-	-	33.1	34.2	-	30.2	22.3	15.0
216.5	-	-	-	-	-	-	29.3	30.0	-	28.4	21.2	14.6
229.7	-	-	-	-	-	-	25.8	-	-	26.9	20.3	14.1
242.8	-	-	-	-	-	-	-	-	-	24.5	19.4	-
255.9	-	-	-	-	-	-	-	-	-	21.6	18.7	-
269.0	-	-	-	-	-	-	-	-	-	19.2	-	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
196.9 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
36.1	220.5	-	-	-	-	-	-	-	-	-	-	-
39.4	220.5	196.2	-	-	-	-	-	-	-	-	-	-
42.7	217.2	196.2	156.5	-	-	-	-	-	-	-	-	-
45.9	213.8	194.0	152.1	-	-	-	120.2	-	-	-	-	-
49.2	210.5	189.6	147.7	91.3	-	-	120.2	-	-	-	-	-
52.5	207.2	183.0	144.4	89.5	-	-	120.2	-	-	-	-	-
59.1	188.5	172.0	136.7	86.2	-	-	119.0	75.4	-	72.5	-	-
65.6	168.7	162.0	130.1	83.3	-	-	116.8	71.4	-	72.5	-	-
72.2	152.1	153.2	124.6	80.7	-	-	109.6	67.9	42.1	72.5	-	-
78.7	136.7	137.8	119.0	78.0	-	-	102.5	64.8	40.6	72.3	45.9	-
85.3	121.3	122.4	114.6	75.8	-	-	96.6	61.9	39.2	70.1	43.7	-
91.9	109.6	110.2	110.0	73.6	-	-	91.1	59.3	37.9	65.9	41.7	-
98.4	99.0	99.6	100.5	71.7	-	-	86.2	56.9	36.6	62.2	39.7	24.3
111.5	81.8	82.5	83.1	68.1	-	-	77.8	52.7	34.4	55.8	36.4	22.5
124.7	68.8	69.4	69.9	65.3	-	-	70.8	48.9	32.6	50.5	33.7	21.2
137.8	58.4	59.1	59.5	60.2	-	-	62.2	45.9	31.1	46.1	31.3	19.8
150.9	50.3	50.5	50.9	51.6	-	-	53.6	43.2	29.5	42.3	29.1	18.7
164.0	43.0	43.4	43.9	44.5	-	-	46.5	40.8	28.4	39.0	27.3	17.6
177.2	37.0	37.3	37.7	-	-	-	40.6	38.8	27.3	36.4	25.6	16.8
190.3	31.7	32.2	32.4	-	-	-	35.3	36.6	26.5	34.0	24.3	16.1
203.4	27.6	27.8	-	-	-	-	30.6	31.7	25.8	31.7	22.9	15.4
216.5	23.8	-	-	-	-	-	26.7	27.8	-	28.7	21.8	14.8
229.7	-	-	-	-	-	-	23.4	24.0	-	25.1	20.9	14.3
242.8	-	-	-	-	-	-	20.3	-	-	22.0	20.1	13.9
255.9	-	-	-	-	-	-	-	-	-	19.2	19.4	-
269.0	-	-	-	-	-	-	-	-	-	16.8	17.6	-
282.2	-	-	-	-	-	-	-	-	-	14.6	-	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
216.5 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
39.4	203.9	-	-	-	235.9	-	-	-	-	-	-	-
42.7	203.9	184.1	-	-	235.9	206.1	-	-	-	-	-	-
45.9	200.6	184.1	154.3	-	231.5	199.5	-	-	-	-	-	-
49.2	198.4	181.9	149.9	-	216.1	192.9	115.7	-	-	-	-	-
52.5	195.1	179.7	146.6	89.9	201.7	187.4	115.7	-	-	-	-	-
59.1	180.8	174.2	140.0	87.1	178.6	176.4	115.7	-	-	70.8	-	-
62.3	170.9	172.0	136.7	85.5	168.7	169.8	115.7	74.1	-	70.8	-	-
65.6	162.0	163.1	133.4	84.2	158.7	160.9	115.7	72.3	-	70.8	-	-
72.2	145.5	146.6	127.9	81.6	143.3	144.4	112.4	69.0	-	70.8	-	-
78.7	132.3	133.4	122.4	79.1	129.0	131.2	106.0	65.9	40.8	70.8	46.1	-
85.3	120.2	121.3	116.8	76.9	117.9	119.0	99.9	63.1	39.5	70.5	44.1	-
91.9	107.4	108.5	109.3	75.0	105.6	106.7	94.6	60.4	38.1	67.9	42.1	-
98.4	96.8	97.7	98.5	73.0	94.8	95.9	89.5	58.2	37.0	64.2	40.3	24.3
111.5	79.6	80.5	81.1	69.4	77.8	78.5	81.1	54.0	34.8	57.8	37.0	22.7
124.7	66.6	67.2	67.9	66.6	64.6	65.3	70.8	50.3	33.1	52.5	34.4	21.2
137.8	56.2	56.9	57.3	58.2	54.2	54.9	60.2	47.2	31.5	47.8	32.0	20.1
150.9	47.6	48.3	48.7	49.6	45.4	45.9	51.6	44.5	30.2	44.1	29.8	19.0
164.0	40.3	40.8	41.2	42.1	37.9	38.6	44.5	42.1	28.9	40.8	28.0	17.9
177.2	34.2	34.6	35.1	35.7	32.0	32.4	38.1	39.9	27.8	37.9	26.5	17.0
190.3	29.1	29.3	29.8	-	26.7	27.1	32.8	34.4	26.9	35.3	24.9	16.3
203.4	24.7	24.9	25.1	-	22.3	22.5	28.2	29.5	26.2	30.6	23.6	15.7
216.5	20.9	21.2	21.4	-	18.5	18.7	24.3	25.4	25.6	26.5	22.5	15.0
229.7	17.6	17.9	-	-	15.2	15.4	20.7	21.8	-	22.9	21.6	14.6
242.8	-	-	-	-	-	-	17.6	18.5	-	19.8	20.7	14.1
255.9	-	-	-	-	-	-	15.0	15.7	-	17.0	18.3	13.9
269.0	-	-	-	-	-	-	12.6	-	-	14.3	15.4	-
282.2	-	-	-	-	-	-	-	-	-	12.1	13.2	-
295.3	-	-	-	-	-	-	-	-	-	10.1	-	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
236.2 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
39.4	183.0	-	-	-	220.5	-	-	-	-	-	-	-
42.7	183.0	165.3	-	-	220.5	203.9	-	-	-	-	-	-
45.9	183.0	165.3	151.0	-	220.5	202.8	-	-	-	-	-	-
49.2	179.7	165.3	151.0	-	207.2	196.2	112.4	-	-	-	-	-
52.5	177.5	163.1	148.8	90.4	194.0	190.7	112.4	-	-	-	-	-
59.1	172.0	158.7	142.2	87.5	170.9	173.1	111.3	-	-	-	-	-
62.3	164.2	155.4	138.9	86.2	162.0	163.1	111.3	74.7	-	69.2	-	-
65.6	155.4	153.2	135.6	84.9	152.1	154.3	110.2	73.0	-	69.2	-	-
72.2	140.0	141.1	130.1	82.5	136.7	138.9	107.8	69.7	-	69.2	-	-
78.7	126.8	127.9	124.6	80.0	123.5	125.7	104.5	66.8	40.8	69.2	46.5	-
85.3	114.6	115.7	116.8	78.0	112.4	113.5	101.2	64.2	39.7	69.2	44.3	-
91.9	105.2	106.5	107.6	75.8	102.7	103.8	97.7	61.5	38.4	69.2	42.5	-
98.4	94.6	95.7	96.6	74.1	92.8	93.7	92.8	59.3	37.3	65.9	40.8	24.3
111.5	77.6	78.3	79.1	70.8	75.6	76.5	82.2	55.1	35.3	59.5	37.7	22.7
124.7	64.4	65.0	65.9	67.0	62.4	63.3	68.8	51.6	33.5	54.2	35.1	21.4
137.8	54.0	54.7	55.3	56.2	51.6	52.5	58.2	48.5	32.0	49.6	32.6	20.3
150.9	45.0	45.6	46.3	47.4	42.5	43.4	49.6	45.6	30.6	45.9	30.6	19.2
164.0	37.7	38.1	38.8	39.7	35.3	35.9	42.1	43.2	29.3	42.5	28.7	18.1
177.2	31.5	32.0	32.4	33.3	29.1	29.5	35.7	37.7	28.2	38.6	27.1	17.2
190.3	26.5	26.7	27.1	27.8	23.8	24.3	30.4	32.2	27.3	33.1	25.6	16.5
203.4	21.8	22.3	22.5	-	19.4	19.8	25.8	27.3	26.7	28.2	24.3	15.9
216.5	18.1	18.3	18.5	-	15.7	15.9	21.8	23.1	24.3	24.3	23.1	15.2
229.7	14.8	15.0	15.2	-	12.3	12.6	18.3	19.4	20.3	20.5	22.3	14.8
242.8	11.9	12.1	-	-	9.5	9.7	15.2	16.1	-	17.4	19.2	14.3
255.9	-	-	-	-	-	-	12.3	13.2	-	14.6	16.1	13.9
269.0	-	-	-	-	-	-	9.9	10.8	-	12.1	13.4	13.7
282.2	-	-	-	-	-	-	7.7	-	-	9.7	11.0	-
295.3	-	-	-	-	-	-	-	-	-	7.7	8.8	-
308.4	-	-	-	-	-	-	-	-	-	6.0	6.6	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
255.9 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
42.7	175.3	-	-	-	203.9	-	-	-	-	-	-	-
45.9	175.3	160.9	-	-	203.9	189.6	-	-	-	-	-	-
49.2	175.3	160.9	147.7	-	198.4	189.6	-	-	-	-	-	-
52.5	174.2	160.9	147.7	-	186.3	188.5	108.7	-	-	-	-	-
55.8	172.0	158.7	146.6	89.5	175.3	177.5	108.7	-	-	-	-	-
59.1	166.4	156.5	144.4	88.2	164.2	166.4	108.7	-	-	-	-	-
62.3	157.6	155.4	141.1	86.9	155.4	157.6	108.2	-	-	64.6	-	-
65.6	148.8	149.9	137.8	85.5	146.6	148.8	108.0	73.6	-	64.6	-	-
72.2	133.4	135.6	132.3	83.1	132.3	133.4	107.4	70.5	-	64.6	-	-
78.7	121.3	122.4	123.5	80.9	119.0	120.2	104.7	67.7	41.0	64.6	-	-
85.3	110.2	111.3	112.4	78.7	108.2	109.6	102.1	65.0	39.7	64.6	44.8	-
91.9	100.5	101.6	103.0	76.9	98.5	99.9	99.9	62.6	38.6	64.6	43.0	-
98.4	91.9	93.0	94.1	75.0	89.9	91.1	92.8	60.2	37.5	64.6	41.2	24.3
111.5	75.4	76.3	77.2	71.7	73.9	74.7	78.9	56.2	35.7	61.3	38.1	22.7
124.7	62.2	63.1	63.7	65.0	60.6	61.5	66.8	52.7	34.0	56.0	35.5	21.6
137.8	51.4	52.2	52.9	54.2	49.6	50.3	56.2	49.6	32.4	51.4	33.3	20.3
150.9	42.3	43.2	43.9	45.0	40.6	41.2	47.4	47.0	31.1	47.4	31.1	19.2
164.0	35.1	35.7	36.2	37.3	33.1	33.7	39.7	42.1	29.8	42.8	29.3	18.3
177.2	28.9	29.3	30.0	30.9	26.9	27.6	33.5	35.5	28.7	36.4	27.8	17.4
190.3	23.6	24.0	24.5	25.4	21.8	22.3	28.0	30.0	27.8	30.9	26.2	16.8
203.4	19.2	19.6	19.8	20.5	17.2	17.6	23.4	25.1	26.5	26.0	24.9	16.1
216.5	15.2	15.7	15.9	-	13.4	13.7	19.4	20.7	22.0	21.8	23.8	15.4
229.7	11.9	12.1	12.6	-	9.9	10.4	15.7	17.2	18.3	18.3	20.5	15.0
242.8	9.0	9.3	9.5	-	7.1	7.3	12.6	13.9	14.8	15.0	17.0	14.6
255.9	6.4	6.6	-	-	-	-	9.9	10.8	-	12.1	13.9	14.1
269.0	-	-	-	-	-	-	7.5	8.4	-	9.7	11.2	12.6
282.2	-	-	-	-	-	-	-	6.0	-	7.3	8.8	9.9
295.3	-	-	-	-	-	-	-	-	-	-	6.6	-

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb

# Operation

# SH/LH+LF2 SH/LH SGL\_S1+LF2

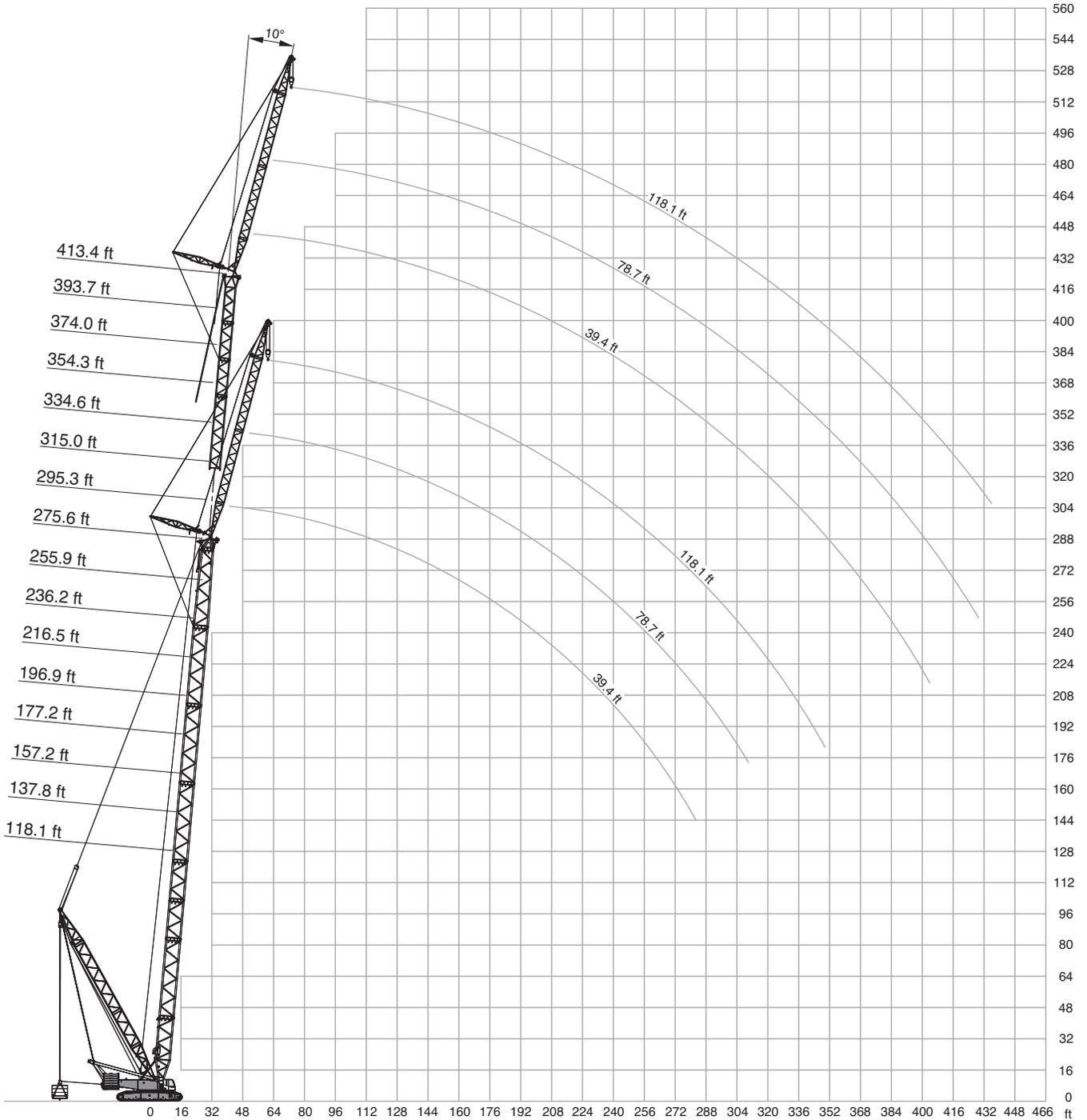
+  39.4-118.1 ft  23.8 ft  32.2 ft/s 360° ASME B30.5												
275.6 ft												
SH/LH + LF2				SH/LH SGL_S1 + LF2			SH/LH + LF2					
39.4 ft				78.7 ft			118.1 ft					
10°	15°	20°	30°	10°	15°	10°	20°	30°	10°	20°	30°	
ft												
1,000 lb												
42.7	140.0	-	-	-	180.8	-	-	-	-	-	-	-
45.9	140.0	126.8	-	-	180.8	169.8	-	-	-	-	-	-
49.2	140.0	126.8	114.6	-	180.8	169.8	-	-	-	-	-	-
52.5	138.9	126.8	114.6	-	178.6	169.8	-	-	-	-	-	-
55.8	136.7	124.6	114.6	89.7	167.6	169.8	86.4	-	-	-	-	-
59.1	134.5	122.4	113.5	88.4	157.6	159.8	86.4	-	-	-	-	-
65.6	130.1	119.0	110.2	86.0	140.0	142.2	85.1	65.7	-	59.1	-	-
72.2	126.8	116.8	108.2	83.8	125.7	127.9	82.7	65.7	-	59.1	-	-
78.7	116.8	113.5	105.8	81.6	113.5	114.6	80.2	64.8	41.0	57.5	-	-
85.3	106.5	107.8	103.4	79.6	103.2	104.7	77.8	63.5	39.9	56.0	43.9	-
91.9	97.0	98.3	99.4	77.6	93.7	95.0	75.6	62.2	38.8	54.5	43.2	-
98.4	88.6	89.9	91.1	75.8	85.3	86.6	73.6	60.8	37.7	53.1	41.7	-
105.0	81.5	82.6	83.6	74.2	78.4	79.6	71.8	59.1	36.8	51.8	40.1	23.6
111.5	74.3	75.2	76.1	72.5	71.4	72.5	69.9	57.3	35.9	50.5	38.6	22.9
124.7	61.1	61.9	62.6	64.2	58.0	59.1	65.0	53.8	34.2	47.8	36.2	21.6
137.8	49.8	50.7	51.6	53.1	47.0	47.8	55.1	50.7	32.6	45.4	33.7	20.5
150.9	41.0	41.7	42.3	43.7	37.9	38.8	46.1	48.1	31.3	43.7	31.7	19.4
164.0	33.5	34.2	34.8	35.9	30.4	31.3	38.4	41.0	30.2	41.4	30.0	18.5
177.2	27.3	28.0	28.4	29.3	24.3	24.9	32.0	34.2	29.1	35.1	28.4	17.6
190.3	22.0	22.7	23.1	23.8	19.0	19.6	26.7	28.7	28.2	29.5	26.9	17.0
203.4	17.6	18.1	18.5	19.2	14.6	15.0	21.8	23.8	25.4	24.7	25.6	16.3
216.5	13.7	14.1	14.6	15.0	10.6	11.0	17.9	19.4	20.9	20.5	22.9	15.7
229.7	10.4	10.6	11.0	-	7.3	7.5	14.3	15.7	17.0	16.8	19.2	15.2
242.8	7.3	7.7	7.9	-	-	-	11.2	12.6	13.7	13.7	15.7	14.6
255.9	-	-	-	-	-	-	8.4	9.5	10.6	10.8	12.6	14.3
269.0	-	-	-	-	-	-	6.0	6.8	-	8.2	9.9	11.5
282.2	-	-	-	-	-	-	-	-	-	6.0	7.5	8.8
295.3	-	-	-	-	-	-	-	-	-	-	-	6.4

	220,500 lb	264,600 lb	352,800 lb
	0 lb	44,100 lb	88,200 lb



# Operation

## SSL+LF2, SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2



# Operation

# SSL+LF2

352,800 lb + 88,200 lb		29.5-49.2 ft			23.8 ft			32.2 ft/s			360°			ASME B30.5				
118.1 ft		137.8 ft																
39.4 ft		78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft				
10°		15°			20°			10°			20°			30°				
ft	1,000 lb																	
29.5	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.8	257.9	238.1	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-
36.1	257.9	224.9	174.2	-	-	-	-	-	-	257.9	231.5	178.6	-	-	-	-	-	-
39.4	257.9	212.7	166.4	142.2	-	-	-	-	-	257.9	220.5	170.9	-	-	-	-	-	-
42.7	253.5	201.7	158.7	142.2	-	-	-	-	-	257.9	210.5	164.2	142.2	-	-	-	-	-
45.9	238.1	191.8	152.1	141.1	-	-	-	-	-	255.7	200.6	157.6	141.1	-	-	-	-	-
49.2	224.9	181.9	146.6	136.7	-	-	84.7	-	-	240.3	191.8	152.1	140.0	-	-	-	-	-
52.5	213.8	174.2	141.1	130.1	83.6	-	84.7	-	-	229.3	184.1	146.6	135.6	-	-	84.0	-	-
55.8	203.9	166.4	135.6	123.5	80.5	-	84.0	-	-	218.3	176.4	141.1	129.0	82.0	-	84.0	-	-
59.1	194.0	159.8	131.2	116.8	77.4	-	83.3	-	-	208.3	169.8	136.7	123.5	79.1	-	83.3	-	-
65.6	176.4	147.7	122.4	106.7	71.9	52.0	81.1	-	-	190.7	157.6	129.0	112.4	74.1	52.7	82.0	-	-
72.2	163.1	137.8	114.6	97.9	67.2	49.2	75.2	50.5	-	176.4	146.6	121.3	103.8	69.4	50.0	78.7	51.4	-
78.7	151.0	129.0	108.9	90.2	63.1	46.7	69.2	47.2	-	163.1	137.8	114.6	96.1	65.5	47.6	72.5	48.3	-
85.3	140.0	121.3	103.2	83.8	59.5	44.3	63.9	44.3	-	153.2	130.1	109.3	89.3	61.9	45.4	67.2	45.4	-
91.9	131.2	113.5	98.3	78.0	56.2	42.3	59.3	41.7	30.4	143.3	122.4	104.3	83.6	58.6	43.4	62.6	42.8	30.6
98.4	123.5	108.5	93.7	73.2	53.4	40.3	55.3	39.2	28.9	134.5	116.8	99.6	78.3	55.8	41.7	58.6	40.6	29.3
111.5	110.2	98.5	86.2	64.8	48.3	37.3	48.7	35.3	26.2	121.3	106.0	91.7	69.7	50.7	38.6	51.8	36.6	26.7
124.7	100.8	90.4	80.2	58.2	44.3	34.6	43.4	32.0	23.8	110.0	97.4	85.3	62.8	46.7	35.9	46.3	33.3	24.5
137.8	92.6	84.2	75.8	52.9	41.0	32.4	39.0	29.1	22.0	101.0	90.6	80.2	57.1	43.2	33.7	41.7	30.4	22.7
144.4	89.1	81.8	-	50.7	39.5	31.5	37.3	28.0	21.2	97.0	87.5	78.0	54.7	41.7	32.6	39.7	29.3	21.8
150.9	-	-	-	48.5	38.1	30.6	35.5	26.9	20.5	93.7	84.9	76.1	52.2	40.3	32.0	37.9	28.0	21.2
157.5	-	-	-	46.5	37.0	30.0	34.0	25.8	19.8	90.6	82.7	74.5	50.3	39.0	31.1	36.4	27.1	20.5
164.0	-	-	-	44.8	35.9	29.3	32.4	24.9	19.2	87.7	80.7	-	48.5	37.9	30.4	34.8	26.0	19.8
177.2	-	-	-	41.9	34.2	-	30.0	23.1	18.1	-	-	-	45.2	35.9	29.1	32.0	24.3	18.7
190.3	-	-	-	-	-	-	27.8	21.8	17.2	-	-	-	42.3	34.4	-	29.8	22.9	17.6
203.4	-	-	-	-	-	-	26.0	20.5	16.3	-	-	-	-	-	-	27.8	21.6	17.0
216.5	-	-	-	-	-	-	24.5	19.6	-	-	-	-	-	-	-	26.0	20.5	16.3
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	19.6	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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# Operation

SSL+LF2

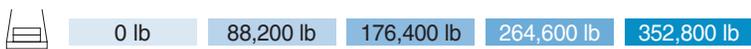
352,800 lb + 88,200 lb		29.5-49.2 ft			23.8 ft			32.2 ft/s			360°			ASME B30.5					
		157.5 ft						177.2 ft											
		39.4 ft		78.7 ft		118.1 ft		39.4 ft		78.7 ft		118.1 ft							
		10°	15°	20°	10°	20°	30°	10°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°
ft	1,000 lb																		
32.8	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.1	257.9	229.3	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-	-
39.4	257.9	227.1	174.2	-	-	-	-	-	-	257.9	233.7	-	-	-	-	-	-	-	-
42.7	257.9	218.3	167.6	140.0	-	-	-	-	-	257.9	224.9	172.0	-	-	-	-	-	-	-
45.9	257.9	208.3	162.0	140.0	-	-	-	-	-	257.9	216.1	165.3	137.8	-	-	-	-	-	-
52.5	242.5	191.8	151.0	137.8	-	-	83.1	-	-	255.7	199.5	155.4	136.7	-	-	-	-	-	-
55.8	231.5	185.2	146.6	134.5	83.6	-	83.1	-	-	244.7	191.8	151.0	136.7	-	-	82.2	-	-	-
59.1	222.7	177.5	142.2	129.0	80.7	-	82.9	-	-	233.7	185.2	146.6	133.4	82.2	-	82.2	-	-	-
65.6	203.9	165.3	133.4	117.9	75.8	-	82.0	-	-	216.1	173.1	138.9	123.5	77.4	-	81.6	-	-	-
72.2	188.5	155.4	126.8	109.3	71.4	50.7	79.8	52.2	-	200.6	163.1	131.2	113.5	73.2	51.4	80.5	-	-	-
78.7	175.3	145.5	120.2	101.4	67.5	48.5	75.6	49.2	-	187.4	153.2	124.6	106.5	69.2	49.2	78.3	49.8	-	-
85.3	164.2	137.8	114.6	94.6	63.9	46.3	70.3	46.3	-	175.3	145.5	119.0	99.4	65.9	47.2	73.2	47.2	-	-
91.9	154.3	130.1	109.6	88.6	60.8	44.5	65.7	43.9	31.1	165.3	137.8	113.5	93.3	62.8	45.2	68.6	44.8	31.3	-
98.4	145.5	123.5	104.9	83.3	58.0	42.8	61.5	41.7	29.5	155.4	131.2	109.6	88.0	60.0	43.7	64.4	42.5	30.0	-
111.5	130.1	112.4	96.8	74.3	52.9	39.7	54.5	37.7	27.1	140.0	120.2	101.4	78.7	54.9	40.6	57.1	38.8	27.6	-
124.7	119.0	104.3	90.2	67.0	48.9	37.0	48.9	34.4	25.1	127.9	110.2	94.6	71.2	50.7	38.1	51.4	35.5	25.6	-
137.8	109.3	96.8	84.7	61.1	45.4	34.8	44.3	31.7	23.4	116.8	102.7	88.8	64.8	47.2	35.9	46.5	32.8	23.8	-
150.9	101.2	90.6	80.0	56.0	42.3	32.8	40.3	29.3	21.8	108.7	96.1	84.0	59.7	44.3	34.0	42.5	30.4	22.3	-
164.0	94.4	85.5	76.3	51.8	39.9	31.3	37.0	27.1	20.5	101.2	90.4	79.8	55.3	41.7	32.4	39.0	28.2	20.9	-
177.2	89.1	81.4	-	48.3	37.7	30.0	34.2	25.4	19.2	95.0	85.8	76.5	51.4	39.5	30.9	36.2	26.5	19.8	-
190.3	-	-	-	45.2	35.9	29.1	31.7	24.0	18.3	89.9	82.0	73.9	48.3	37.5	29.8	33.5	24.9	18.7	-
203.4	-	-	-	42.8	34.4	-	29.5	22.5	17.4	-	-	-	45.4	35.9	28.9	31.3	23.6	17.9	-
216.5	-	-	-	40.6	-	-	27.8	21.4	16.8	-	-	-	43.0	34.4	-	29.5	22.3	17.2	-
229.7	-	-	-	-	-	-	26.2	20.5	16.1	-	-	-	41.0	-	-	27.8	21.4	16.5	-
242.8	-	-	-	-	-	-	24.9	19.6	-	-	-	-	-	-	-	26.2	20.5	16.1	-
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9	19.6	-	-
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.8	-	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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# Operation

SSL+LF2

352,800 lb + 88,200 lb		29.5-49.2 ft			23.8 ft			32.2 ft/s			360°			ASME B30.5																
196.9 ft		216.5 ft																												
39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft															
10° 15° 20°			10° 20° 30°			10° 20° 30°			10° 15° 20°			10° 20° 30°			10° 20° 30°															
ft	1,000 lb																													
36.1	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.4	257.9	229.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.7	257.9	229.3	174.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.9	257.9	220.5	168.7	135.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.2	257.9	213.8	164.2	135.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	257.9	206.1	158.7	135.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.8	253.5	198.4	154.3	134.5	-	-	81.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	244.7	191.8	149.9	134.5	83.3	-	81.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62.3	235.9	186.3	146.6	131.2	80.9	-	80.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.6	227.1	180.8	142.2	127.9	78.7	-	80.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.2	211.6	169.8	135.6	119.0	74.5	51.8	80.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78.7	197.3	159.8	129.0	110.2	71.0	49.6	78.5	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.3	185.2	152.1	123.5	104.1	67.5	47.8	75.8	47.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.9	175.3	144.4	117.9	97.9	64.4	46.1	71.2	45.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98.4	165.3	137.8	113.5	92.2	61.7	44.3	66.8	43.4	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111.5	148.8	125.7	105.8	82.7	56.9	41.4	59.7	39.7	28.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124.7	135.6	115.7	98.8	75.0	52.7	39.0	53.8	36.6	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137.8	124.6	108.5	92.8	68.6	49.2	36.8	48.9	33.7	24.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.9	115.7	101.4	87.7	63.1	46.1	34.8	44.8	31.3	22.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164.0	108.0	95.5	83.3	58.4	43.2	33.3	41.2	29.3	21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
177.2	101.4	90.4	79.6	54.5	41.0	31.7	38.1	27.6	20.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190.3	95.7	86.2	76.7	51.1	39.0	30.6	35.5	25.8	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203.4	90.8	82.5	74.3	48.1	37.3	29.5	33.1	24.5	18.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216.5	-	79.6	-	45.4	35.7	28.7	31.1	23.1	17.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
229.7	-	-	-	43.2	34.6	-	29.3	22.0	17.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242.8	-	-	-	41.2	33.5	-	27.8	21.2	16.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
255.9	-	-	-	-	-	-	26.2	20.3	15.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
269.0	-	-	-	-	-	-	25.1	19.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
282.2	-	-	-	-	-	-	24.0	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# Operation

SSL+LF2

352,800 lb + 88,200 lb		29.5-49.2 ft			23.8 ft			32.2 ft/s			360°			ASME B30.5				
39.4 ft		78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft				
10°		15°		20°		10°		20°		30°		10°		20°		30°		
ft	1,000 lb																	
39.4	257.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.7	257.9	229.3	-	-	-	-	-	-	-	257.9	-	-	-	-	-	-	-	-
45.9	257.9	229.3	174.2	-	-	-	-	-	-	257.9	222.7	-	-	-	-	-	-	-
49.2	257.9	222.7	169.8	126.8	-	-	-	-	-	257.9	222.7	172.0	-	-	-	-	-	-
52.5	257.9	216.1	165.3	126.8	-	-	-	-	-	257.9	218.3	167.6	122.4	-	-	-	-	-
59.1	257.9	203.9	156.5	126.8	-	-	-	77.6	-	257.9	207.2	159.8	122.4	-	-	-	-	-
62.3	249.1	198.4	153.2	126.8	83.1	-	77.6	-	-	253.5	201.7	156.5	122.4	-	-	75.4	-	-
65.6	242.5	191.8	149.9	126.8	80.9	-	77.6	-	-	246.9	197.3	152.1	122.4	81.8	-	75.4	-	-
72.2	229.3	181.9	143.3	122.4	77.2	-	77.6	-	-	233.7	187.4	145.5	121.3	78.0	-	75.4	-	-
78.7	217.2	172.0	136.7	119.0	73.6	50.5	77.4	51.6	-	222.7	177.5	140.0	117.9	74.7	50.9	75.4	-	-
85.3	205.0	164.2	131.2	112.4	70.3	48.7	76.3	49.2	-	212.7	169.8	134.5	115.7	71.7	49.2	75.2	49.8	-
91.9	192.9	156.5	125.7	106.0	67.5	47.2	75.2	47.0	-	201.7	162.0	129.0	109.8	68.8	47.6	74.5	47.6	-
98.4	183.0	149.9	121.3	100.3	64.8	45.6	71.7	45.0	30.6	191.8	154.3	124.6	104.1	66.1	46.1	73.9	45.6	30.6
111.5	165.3	137.8	112.4	90.4	60.0	42.8	64.4	41.4	28.4	173.1	142.2	116.8	94.1	61.3	43.4	66.6	42.1	28.7
124.7	151.0	126.8	106.3	82.2	55.8	40.6	58.2	38.1	26.7	158.7	132.3	109.6	85.8	57.3	41.0	60.4	39.0	26.9
137.8	138.9	117.9	100.1	75.4	52.2	38.4	53.1	35.5	24.9	146.6	123.5	103.4	78.7	53.6	39.0	55.1	36.4	25.4
150.9	129.0	111.3	94.6	69.7	49.2	36.4	48.7	33.1	23.6	135.6	115.7	97.9	72.8	50.5	37.3	50.7	34.0	23.8
164.0	120.2	104.9	89.9	64.6	46.3	34.8	45.0	31.1	22.3	126.8	109.3	93.0	67.7	47.8	35.5	47.0	32.0	22.7
177.2	113.5	99.4	86.0	60.4	43.9	33.3	41.9	29.3	21.2	119.0	103.6	88.8	63.1	45.4	34.0	43.7	30.0	21.6
190.3	106.9	94.4	82.5	56.7	41.9	32.0	39.0	27.6	20.1	112.4	98.5	85.1	59.3	43.2	32.6	40.6	28.4	20.5
203.4	101.4	90.2	79.4	53.4	39.9	30.9	36.4	26.2	19.2	102.5	93.9	82.0	55.8	41.2	31.5	38.1	26.9	19.6
216.5	94.8	86.4	76.7	50.3	38.4	30.0	34.2	24.9	18.5	93.5	89.9	79.1	52.7	39.5	30.6	35.7	25.6	18.7
229.7	86.4	82.7	74.5	47.8	36.8	29.1	32.2	23.6	17.6	85.5	83.8	76.7	50.0	37.9	29.8	33.7	24.5	18.1
242.8	78.3	76.7	-	45.6	35.5	28.4	30.6	22.7	17.0	78.5	77.2	73.4	47.6	36.6	28.9	32.0	23.4	17.4
255.9	-	-	-	43.4	34.4	-	28.9	21.8	16.5	71.7	70.5	-	45.6	35.5	28.2	30.2	22.5	16.8
269.0	-	-	-	41.9	33.5	-	27.6	20.9	16.1	-	-	-	43.7	34.4	-	28.9	21.6	16.3
282.2	-	-	-	40.3	-	-	26.5	20.3	15.7	-	-	-	41.9	33.5	-	27.6	20.7	15.9
295.3	-	-	-	-	-	-	25.4	19.6	-	-	-	-	40.6	-	-	26.5	20.1	15.7
308.4	-	-	-	-	-	-	24.3	19.2	-	-	-	-	-	-	-	25.4	19.6	-
321.5	-	-	-	-	-	-	23.6	-	-	-	-	-	-	-	-	24.5	19.2	-
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.6	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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# Operation

SSL+LF2

352,800 lb + 88,200 lb		29.5-49.2 ft			23.8 ft			32.2 ft/s			360°			ASME B30.5					
		275.6 ft									295.3 ft								
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft		
		10°	15°	20°	10°	20°	30°	10°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°
ft	1,000 lb																		
42.7	246.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.9	246.9	218.3	-	-	-	-	-	-	-	-	212.7	-	-	-	-	-	-	-	-
49.2	244.7	218.3	174.2	-	-	-	-	-	-	-	212.7	200.6	-	-	-	-	-	-	-
52.5	244.7	218.3	169.8	117.9	-	-	-	-	-	-	212.7	200.6	172.0	-	-	-	-	-	-
55.8	244.7	213.8	166.4	117.9	-	-	-	-	-	-	212.7	200.6	167.6	111.3	-	-	-	-	-
59.1	244.7	208.3	162.0	117.9	-	-	-	-	-	-	212.7	199.5	164.2	111.3	-	-	-	-	-
62.3	242.5	203.9	158.7	117.9	-	-	73.2	-	-	-	212.7	198.4	160.9	111.3	-	-	-	-	-
65.6	240.3	199.5	155.4	117.9	82.7	-	73.2	-	-	-	211.6	198.4	157.6	111.3	-	-	70.1	-	-
72.2	233.7	190.7	148.8	117.9	79.1	-	73.2	-	-	-	210.5	191.8	151.0	111.3	80.0	-	70.1	-	-
78.7	227.1	183.0	143.3	116.8	75.8	51.1	73.2	-	-	-	209.4	184.1	145.5	111.3	76.7	51.4	70.1	-	-
85.3	217.2	174.2	137.8	115.7	72.8	49.6	73.2	50.3	-	-	205.0	177.5	140.0	111.3	73.6	49.8	70.1	50.7	-
91.9	207.2	166.4	132.3	112.4	69.9	48.1	73.2	48.1	-	-	199.5	172.0	135.6	111.3	71.0	48.5	70.1	48.5	-
98.4	198.4	159.8	127.9	107.6	67.2	46.5	73.2	46.1	-	-	195.1	164.2	130.1	108.2	68.3	47.0	70.1	46.7	-
105.0	189.6	153.2	123.5	102.3	64.8	45.2	71.2	44.3	29.8	-	189.6	157.6	126.8	104.3	66.1	45.6	69.2	45.0	30.0
111.5	180.8	147.7	119.0	97.4	62.6	44.1	68.6	42.8	28.9	-	185.2	152.1	122.4	100.5	63.7	44.5	68.3	43.2	29.1
124.7	166.4	136.7	112.4	89.1	58.6	41.7	62.4	39.7	27.1	-	170.9	141.1	114.6	92.2	59.7	42.1	63.9	40.3	27.3
137.8	153.2	127.9	106.5	81.8	54.9	39.7	57.1	37.0	25.6	-	156.5	132.3	109.3	84.9	56.2	40.1	58.9	37.7	25.8
150.9	142.2	120.2	101.0	75.8	51.8	37.7	52.5	34.6	24.3	-	143.3	124.6	103.8	78.7	53.1	38.4	54.5	35.5	24.5
164.0	130.1	113.5	95.9	70.5	49.2	36.2	48.7	32.6	22.9	-	129.0	117.9	98.8	73.2	50.3	36.8	50.5	33.3	23.1
177.2	116.8	107.8	91.7	65.9	46.5	34.6	45.2	30.9	21.8	-	114.6	108.9	94.4	68.6	47.8	35.3	47.0	31.5	22.0
190.3	106.7	102.5	88.0	61.7	44.3	33.3	42.3	29.1	20.7	-	101.0	99.9	90.4	64.4	45.6	34.0	43.9	29.8	21.2
203.4	99.4	97.7	84.4	58.2	42.3	32.2	39.7	27.6	19.8	-	92.4	92.4	87.1	60.6	43.7	32.8	41.2	28.2	20.3
216.5	91.3	91.7	81.6	55.1	40.6	31.1	37.3	26.2	19.2	-	86.0	86.0	83.8	57.3	41.7	31.7	38.8	26.9	19.4
229.7	83.3	83.8	78.9	52.2	39.0	30.2	35.3	25.1	18.3	-	79.6	79.6	80.0	54.5	40.1	30.6	36.6	25.8	18.7
242.8	76.3	76.5	73.4	49.8	37.7	29.3	33.3	24.0	17.6	-	73.2	73.4	73.6	51.8	38.8	30.0	34.6	24.7	18.1
255.9	70.1	70.3	67.7	47.6	36.4	28.7	31.5	22.9	17.2	-	66.8	67.0	67.5	49.6	37.5	29.1	32.8	23.6	17.4
269.0	63.3	63.9	61.9	45.4	35.3	28.2	30.0	22.0	16.5	-	60.4	60.6	61.1	47.4	36.2	28.4	31.3	22.7	17.0
282.2	56.0	56.7	-	43.7	34.4	-	28.7	21.4	16.1	-	54.0	54.2	54.7	45.4	35.3	28.0	29.8	21.8	16.3
295.3	-	-	-	42.1	33.5	-	27.6	20.7	15.9	-	47.6	48.1	-	43.9	34.4	-	28.7	21.2	16.1
308.4	-	-	-	40.8	32.8	-	26.5	20.1	15.4	-	-	-	-	42.3	33.5	-	27.3	20.5	15.7
321.5	-	-	-	-	-	-	25.4	19.6	-	-	-	-	-	40.1	32.8	-	26.2	19.8	15.4
334.6	-	-	-	-	-	-	24.5	19.2	-	-	-	-	-	37.5	-	-	25.4	19.4	-
347.8	-	-	-	-	-	-	23.8	18.7	-	-	-	-	-	-	-	-	24.5	19.0	-
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.8	18.7	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.1	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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# Operation

SSL+LF2

<b>352,800 lb + 88,200 lb</b> <b>29.5-49.2 ft</b> <b>23.8 ft</b> <b>32.2 ft/s</b> <b>360°</b> <b>ASME B30.5</b>										
 <b>315.0 ft</b> (total length) <b>39.4 ft</b> (segment 1) <b>78.7 ft</b> (segment 2) <b>118.1 ft</b> (segment 3) <b>10°</b> <b>15°</b> <b>20°</b> <b>10°</b> <b>20°</b> <b>30°</b> <b>10°</b> <b>20°</b> <b>30°</b>										
ft	1,000 lb									
45.9	190.7	-	-	-	-	-	-	-	-	-
49.2	190.7	181.9	-	-	-	-	-	-	-	-
52.5	190.7	181.9	168.7	-	-	-	-	-	-	-
55.8	190.7	181.9	168.7	106.9	-	-	-	-	-	-
59.1	190.7	181.9	166.4	106.9	-	-	-	-	-	-
65.6	189.6	180.8	159.8	106.9	-	-	65.3	-	-	-
72.2	187.4	179.7	153.2	106.9	80.7	-	65.3	-	-	-
78.7	186.3	177.5	147.7	106.9	77.6	-	65.3	-	-	-
85.3	184.1	175.3	142.2	106.9	74.7	50.0	65.3	50.9	-	-
91.9	180.8	170.9	137.8	106.9	71.9	48.7	65.3	48.9	-	-
98.4	177.5	165.3	133.4	106.0	69.4	47.4	65.3	47.2	-	-
105.0	174.2	160.9	129.0	103.0	67.0	46.1	65.3	45.4	30.0	-
111.5	170.9	155.4	124.6	99.9	64.8	45.0	65.0	43.9	29.1	-
124.7	160.9	145.5	117.9	93.5	60.8	42.5	62.6	41.0	27.6	-
137.8	148.8	136.7	111.3	87.7	57.3	40.6	60.2	38.4	26.0	-
150.9	136.7	126.8	106.5	81.4	54.2	38.8	56.0	35.9	24.7	-
164.0	124.6	117.9	101.4	75.8	51.4	37.3	52.0	34.0	23.6	-
177.2	112.4	108.5	97.0	71.0	48.9	35.7	48.5	32.2	22.5	-
190.3	101.0	98.8	93.0	66.8	46.7	34.4	45.4	30.4	21.4	-
203.4	88.8	89.3	88.2	63.1	44.8	33.3	42.5	28.9	20.5	-
216.5	82.2	82.2	82.5	59.7	42.8	32.2	40.1	27.6	19.6	-
229.7	76.5	76.5	76.7	56.7	41.2	31.3	37.9	26.5	19.0	-
242.8	70.8	71.0	71.2	53.8	39.7	30.4	35.9	25.1	18.3	-
255.9	65.0	65.3	65.5	51.4	38.4	29.5	34.2	24.3	17.6	-
269.0	59.3	59.5	59.7	49.2	37.0	28.9	32.4	23.4	17.2	-
282.2	53.8	54.0	54.2	47.2	35.9	28.4	31.1	22.5	16.5	-
295.3	48.1	48.3	48.5	44.8	35.1	27.8	29.5	21.6	16.1	-
308.4	42.3	42.5	-	41.7	34.2	-	28.4	20.9	15.9	-
321.5	-	-	-	38.8	33.5	-	27.3	20.3	15.4	-
334.6	-	-	-	35.7	32.8	-	26.2	19.8	15.2	-
347.8	-	-	-	32.8	-	-	25.4	19.4	-	-
360.9	-	-	-	-	-	-	24.5	19.0	-	-
374.0	-	-	-	-	-	-	23.8	18.7	-	-
387.1	-	-	-	-	-	-	23.1	-	-	-



# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

352,800 lb +  88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5		
255.9 ft												
SSL/LSL+LF2				SSL/LSL SGL_S1+LF2				SSL/LSL+LF2				
39.4 ft				78.7 ft				118.1 ft				
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		
10°		15°		20°		30°		10°		30°		
ft												
1,000 lb												
42.7	201.7	201.7	-	-	-	-	-	235.9	-	-	-	
45.9	201.7	201.7	185.2	185.2	-	-	-	235.9	206.1	-	-	
49.2	199.5	199.5	185.2	185.2	154.3	154.3	-	235.9	199.5	-	-	
52.5	197.3	197.3	183.0	183.0	149.9	149.9	-	233.7	194.0	117.9	117.9	
55.8	188.5	195.1	180.8	180.8	146.6	146.6	89.5	89.5	233.7	189.6	117.9	117.9
59.1	177.5	191.8	178.6	178.6	143.3	143.3	88.0	88.0	231.5	184.1	117.9	117.9
62.3	167.6	189.6	169.8	176.4	141.1	141.1	86.9	86.9	231.5	179.7	117.9	117.9
65.6	158.7	186.3	160.9	173.1	137.8	137.8	85.5	85.5	229.3	175.3	117.9	117.9
72.2	143.3	181.9	144.4	166.4	132.3	132.3	83.1	83.1	218.3	166.4	117.9	117.9
78.7	129.0	176.4	131.2	158.7	127.9	127.9	80.9	80.9	206.1	158.7	112.4	112.4
85.3	117.9	170.9	119.0	152.1	120.2	122.4	78.7	78.7	195.1	152.1	106.3	106.3
91.9	108.0	166.4	109.1	146.6	110.2	117.9	76.9	76.9	185.2	146.6	100.8	100.8
98.4	99.0	160.9	100.1	140.0	101.2	114.6	75.0	75.0	176.4	140.0	95.7	95.7
111.5	81.6	154.3	82.9	130.1	84.0	107.8	71.7	71.7	162.0	130.1	84.9	87.1
124.7	67.5	147.7	68.3	121.3	69.0	101.6	68.8	68.8	148.8	121.3	73.0	79.8
137.8	56.2	137.8	57.1	113.5	57.8	96.3	59.1	66.1	137.8	113.5	61.3	73.6
150.9	46.7	129.0	47.4	107.8	48.1	91.7	49.4	63.9	129.0	107.8	51.8	68.3
164.0	39.0	120.2	39.5	102.1	40.1	87.5	41.2	61.9	120.2	102.1	43.9	63.9
177.2	32.4	113.5	32.8	97.0	33.5	83.8	34.4	60.4	113.5	97.0	37.0	60.0
190.3	26.9	107.8	27.3	92.6	27.8	80.5	28.4	58.9	107.8	92.6	31.3	56.4
203.4	22.0	102.3	22.5	88.8	22.9	77.8	23.6	57.8	102.3	88.8	26.5	53.1
216.5	17.9	96.6	18.3	85.3	18.7	75.4	19.2	56.7	96.6	85.3	22.0	50.5
229.7	14.1	88.8	14.3	82.5	14.8	73.2	-	-	88.8	82.5	18.3	48.1
242.8	10.6	81.1	10.8	79.8	11.0	71.4	-	-	81.1	79.8	15.0	45.9
255.9	7.3	73.4	7.5	73.0	7.7	70.1	-	-	75.0	75.2	11.9	43.9
269.0	-	-	-	65.9	-	-	-	-	-	67.2	8.8	42.1
282.2	-	-	-	-	-	-	-	-	-	-	6.2	40.8
295.3	-	-	-	-	-	-	-	-	-	-	-	39.5
308.4	-	-	-	-	-	-	-	-	-	-	-	-
321.5	-	-	-	-	-	-	-	-	-	-	-	-
334.6	-	-	-	-	-	-	-	-	-	-	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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<sup>1)</sup> 0 lb - 352,800 lb

# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

<b>352,800 lb + 88,200 lb</b> <b>29.5-49.2 ft</b> <b>23.8 ft</b> <b>32.2 ft/s</b> <b>360°</b> <b>ASME B30.5</b>																			
275.6 ft																			
SSL/LSL+LF2					SSL/LSL SGL_S1+LF2					SSL/LSL+LF2									
39.4 ft										78.7 ft					118.1 ft				
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>	
10°		15°		20°		30°		10°		15°		10°		20°		30°		10°	
ft																			
1,000 lb																			
42.7	174.2	174.2	-	-	-	-	-	-	220.5	-	-	-	-	-	-	-	-	-	-
45.9	174.2	174.2	154.3	154.3	-	-	-	-	220.5	206.1	-	-	-	-	-	-	-	-	-
49.2	172.0	172.0	154.3	154.3	137.8	137.8	-	-	220.5	202.8	-	-	-	-	-	-	-	-	-
52.5	169.8	169.8	153.2	153.2	137.8	137.8	-	-	220.5	197.3	-	-	-	-	-	-	-	-	-
55.8	167.6	167.6	151.0	151.0	136.7	136.7	89.7	89.7	220.5	191.8	104.7	104.7	-	-	-	-	-	-	-
59.1	165.3	165.3	148.8	148.8	135.6	135.6	88.4	88.4	220.5	187.4	104.7	104.7	-	-	-	-	-	-	-
65.6	154.3	159.8	145.5	145.5	132.3	132.3	86.0	86.0	219.4	178.6	101.9	101.9	74.1	74.1	-	68.8	68.8	-	-
72.2	138.9	155.4	140.0	141.1	129.0	129.0	83.8	83.8	218.3	170.9	98.8	98.8	71.0	71.0	-	68.3	68.3	-	-
78.7	125.7	149.9	126.8	136.7	125.7	125.7	81.6	81.6	212.7	163.1	95.9	95.9	68.3	68.3	41.0	67.5	67.5	-	-
85.3	113.5	145.5	115.7	133.4	116.8	123.5	79.6	79.6	201.7	156.5	92.8	92.8	65.7	65.7	39.9	66.6	66.6	45.0	45.0
91.9	104.5	141.1	105.8	130.1	107.1	120.2	77.6	77.6	191.8	149.9	90.2	90.2	63.5	63.5	38.8	64.8	64.8	43.2	43.2
98.4	95.7	136.7	96.8	125.7	98.1	116.8	75.8	75.8	183.0	144.4	87.5	87.5	61.3	61.3	37.7	63.1	63.1	41.7	41.7
111.5	80.2	129.0	81.6	120.2	82.9	110.2	72.5	72.5	167.6	134.5	82.0	82.0	57.3	57.3	35.9	59.5	59.5	38.6	38.6
124.7	66.4	123.5	67.2	114.6	68.1	104.3	69.7	69.7	154.3	125.7	70.5	77.6	53.8	53.8	34.2	56.2	56.2	36.2	36.2
137.8	54.9	116.8	55.8	109.8	56.7	98.8	58.2	67.2	143.3	117.9	60.0	74.3	50.7	50.7	32.6	52.9	52.9	33.7	33.7
150.9	45.4	111.3	46.3	104.7	47.0	94.1	48.3	65.0	134.5	111.3	50.5	70.8	47.8	47.8	31.3	48.9	48.9	31.7	31.7
164.0	37.7	105.2	38.4	99.6	38.8	89.9	39.9	63.1	125.7	105.6	42.5	66.4	45.2	45.2	30.2	45.4	45.4	30.0	30.0
177.2	31.1	99.0	31.5	94.6	32.2	86.2	33.1	61.3	117.9	100.5	35.7	62.2	38.1	38.1	29.1	38.8	42.5	28.4	28.4
190.3	25.4	93.3	26.0	89.7	26.5	82.9	27.3	59.7	109.3	95.9	30.0	58.6	32.2	32.2	28.2	32.8	39.7	26.9	26.9
203.4	20.7	88.2	21.2	85.1	21.6	79.8	22.3	58.4	102.3	91.9	25.1	55.3	26.9	26.9	27.3	28.0	37.5	25.6	25.6
216.5	16.5	83.3	17.0	80.7	17.2	77.4	17.9	57.3	94.6	88.4	20.7	52.5	22.5	22.5	26.7	23.6	35.3	24.5	24.5
229.7	12.6	78.3	13.0	76.1	13.2	74.1	13.9	56.4	86.6	85.1	17.0	50.0	18.5	18.5	26.0	19.6	33.3	22.0	23.4
242.8	9.0	73.2	9.3	71.7	9.7	70.1	-	-	79.4	79.8	13.7	47.6	15.0	15.0	25.4	16.3	31.7	18.3	22.3
255.9	5.7	68.1	6.2	67.0	6.4	65.9	-	-	73.2	73.4	10.6	45.6	11.9	11.9	24.9	13.2	30.2	15.0	21.6
269.0	-	63.1	-	62.6	-	61.9	-	-	66.4	66.8	7.5	43.9	8.8	8.8	24.7	10.6	28.7	12.1	20.7
282.2	-	58.2	-	58.2	-	-	-	-	59.3	59.5	-	42.3	5.7	5.7	23.6	-	27.6	9.7	20.1
295.3	-	-	-	-	-	-	-	-	-	-	-	40.8	-	32.0	-	-	26.5	6.8	19.4
308.4	-	-	-	-	-	-	-	-	-	-	-	39.5	-	31.5	-	-	25.4	-	19.0
321.5	-	-	-	-	-	-	-	-	-	-	-	38.6	-	-	-	-	24.5	-	18.5
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.6	-	18.1
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.9	-	17.9

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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<sup>1)</sup> 0 lb -352,800 lb

# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

352,800 lb +  88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5	
295.3 ft											
SSL/LSL+LF2				SSL/LSL SGL_S1+LF2				SSL/LSL+LF2			
39.4 ft				78.7 ft				118.1 ft			
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>	
10°		15°		20°		30°		10°		30°	
1,000 lb											
45.9	157.6	157.6	-	-	-	-	-	-	207.2	-	-
49.2	157.6	157.6	142.2	142.2	-	-	-	-	207.2	194.0	-
52.5	156.5	156.5	142.2	142.2	130.1	130.1	-	-	207.2	194.0	-
55.8	154.3	154.3	141.1	141.1	130.1	130.1	-	-	207.2	194.0	100.1
59.1	153.2	153.2	140.0	140.0	129.0	129.0	88.8	88.8	207.2	190.7	100.1
65.6	148.8	148.8	136.7	136.7	125.7	125.7	86.4	86.4	207.2	181.9	97.7
72.2	134.5	145.5	133.4	133.4	123.5	123.5	84.2	84.2	206.1	174.2	95.2
78.7	121.3	141.1	122.4	130.1	120.2	120.2	82.2	82.2	206.1	166.4	92.8
85.3	110.2	136.7	111.3	126.8	113.5	117.9	80.2	80.2	203.9	159.8	90.4
91.9	101.0	132.3	102.3	123.5	103.6	114.6	78.3	78.3	198.4	153.2	87.7
98.4	92.6	129.0	93.7	119.0	95.0	112.4	76.7	76.7	189.6	147.7	85.3
111.5	78.0	121.3	79.1	112.4	80.2	106.7	73.4	73.4	174.2	137.8	79.4
124.7	65.3	115.7	66.1	108.5	67.0	102.3	68.6	70.5	160.9	129.0	67.9
137.8	53.6	110.2	54.5	103.8	55.3	98.3	56.9	68.1	148.8	121.3	58.4
150.9	44.1	104.9	44.8	99.0	45.6	94.4	47.0	65.9	138.9	114.6	49.4
164.0	36.2	99.4	36.8	94.4	37.5	90.2	38.8	63.9	131.2	109.1	41.2
177.2	29.5	93.9	30.2	89.5	30.9	86.2	32.0	61.9	121.3	103.8	34.4
190.3	24.0	88.4	24.5	84.9	25.1	82.0	25.8	60.4	106.0	99.2	28.7
203.4	19.2	83.6	19.6	80.5	20.3	78.0	20.9	59.1	96.3	95.0	23.8
216.5	15.0	79.1	15.4	76.5	15.9	74.5	16.5	58.0	89.9	90.4	19.4
229.7	11.0	74.7	11.5	72.5	11.9	70.8	12.6	56.9	83.6	84.0	15.7
242.8	7.5	70.3	7.9	68.6	8.2	67.0	8.8	56.2	77.2	77.6	12.3
255.9	-	65.9	-	64.6	-	63.5	-	55.6	71.0	71.2	9.0
269.0	-	61.5	-	60.6	-	59.7	-	-	64.6	65.0	6.0
282.2	-	57.1	-	56.7	-	56.0	-	-	58.2	58.9	-
295.3	-	52.9	-	52.7	-	-	-	-	52.0	52.5	-
308.4	-	-	-	-	-	-	-	-	-	-	40.8
321.5	-	-	-	-	-	-	-	-	-	-	39.7
334.6	-	-	-	-	-	-	-	-	-	-	38.6
347.8	-	-	-	-	-	-	-	-	-	-	-
360.9	-	-	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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<sup>1)</sup> 0 lb - 352,800 lb

# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

<b>352,800 lb + 88,200 lb</b> <b>29.5-49.2 ft</b> <b>23.8 ft</b> <b>32.2 ft/s</b> <b>360°</b> <b>ASME B30.5</b>																			
315.0 ft																			
SSL/LSL+LF2						SSL/LSL SGL_S1+LF2				SSL/LSL+LF2									
39.4 ft										78.7 ft			118.1 ft						
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>	
10°		15°		20°		30°		10°		15°		10°		20°		30°		10°	
ft																			
1,000 lb																			
45.9	148.8	148.8	-	-	-	-	-	-	195.1	-	-	-	-	-	-	-	-	-	-
49.2	148.8	148.8	133.4	133.4	-	-	-	-	195.1	184.1	-	-	-	-	-	-	-	-	-
52.5	148.8	148.8	133.4	133.4	121.3	121.3	-	-	195.1	184.1	-	-	-	-	-	-	-	-	-
59.1	146.6	146.6	132.3	132.3	121.3	121.3	89.1	89.1	195.1	184.1	92.2	92.2	-	-	-	-	-	-	-
65.6	143.3	143.3	131.2	131.2	120.2	120.2	86.9	86.9	195.1	184.1	91.5	91.5	-	-	-	-	-	-	-
72.2	130.1	141.1	129.0	129.0	119.0	119.0	84.7	84.7	195.1	176.4	89.7	89.7	69.9	69.9	-	60.4	60.4	-	-
78.7	116.8	137.8	119.0	125.7	116.8	116.8	82.7	82.7	195.1	169.8	88.2	88.2	69.4	69.4	-	60.4	60.4	-	-
85.3	106.9	134.5	108.5	123.5	109.8	113.5	80.7	80.7	195.1	163.1	86.0	86.0	67.2	67.2	40.1	60.0	60.0	-	-
91.9	97.4	131.2	98.8	120.2	100.1	111.3	78.9	78.9	194.0	156.5	84.0	84.0	64.8	64.8	39.0	59.7	59.7	43.9	43.9
98.4	89.1	127.9	90.4	117.9	91.7	110.0	77.4	77.4	192.9	151.0	81.8	81.8	62.8	62.8	38.1	58.4	58.4	42.3	42.3
111.5	75.0	121.3	76.1	112.4	77.2	105.4	74.1	74.1	179.7	141.1	76.5	77.8	58.9	58.9	36.4	55.8	55.8	39.5	39.5
124.7	62.8	115.7	63.7	108.0	64.8	101.2	67.0	71.4	166.4	132.3	65.3	73.6	55.6	55.6	34.6	53.1	53.1	37.0	37.0
137.8	52.0	111.3	53.1	104.1	54.0	97.9	55.6	68.8	154.3	124.6	56.0	70.3	52.5	52.5	33.3	50.7	50.7	34.8	34.8
150.9	42.5	106.9	43.4	100.1	44.1	94.6	45.6	66.6	144.4	117.9	47.4	67.7	49.8	49.8	32.0	48.3	48.3	32.8	32.8
164.0	34.6	102.1	35.3	96.1	36.2	91.3	37.3	64.6	133.4	111.3	39.7	65.0	42.5	42.5	30.9	42.5	42.5	31.1	31.1
177.2	28.0	97.4	28.7	92.2	29.3	88.0	30.4	62.8	120.2	106.9	33.1	62.4	35.5	35.5	29.8	36.2	36.2	29.3	29.3
190.3	21.8	92.8	22.5	88.2	23.1	84.7	24.3	61.3	107.6	102.1	27.1	59.7	29.5	29.5	28.9	30.2	30.2	28.0	28.0
203.4	17.6	88.2	18.1	84.2	18.7	81.4	19.4	59.7	92.8	93.5	22.3	56.9	24.3	24.3	28.0	25.1	25.1	26.7	26.7
216.5	13.4	83.3	13.9	80.0	14.3	77.6	15.2	58.6	85.3	85.3	17.4	54.2	19.8	19.8	27.1	20.7	20.7	23.6	23.6
229.7	9.3	78.3	9.7	75.6	10.1	73.4	11.0	57.5	79.6	79.8	14.1	51.6	15.9	15.9	26.5	16.8	16.8	19.4	19.4
242.8	5.7	73.4	6.2	71.2	6.6	69.2	7.1	56.7	74.1	74.3	10.8	49.8	12.3	12.3	25.8	13.0	13.0	15.9	15.9
255.9	-	68.6	-	66.6	-	65.3	-	56.0	68.3	68.6	7.5	48.3	9.0	9.0	25.4	10.4	10.4	12.1	12.1
269.0	-	63.7	-	62.2	-	61.1	-	55.3	62.8	63.1	-	47.0	6.0	6.0	24.9	7.5	7.5	9.7	9.7
282.2	-	58.9	-	57.8	-	56.9	-	57.1	57.3	57.3	-	45.4	-	-	24.5	-	-	6.8	6.8
295.3	-	54.0	-	53.4	-	52.7	-	51.4	51.8	51.8	-	43.7	-	-	23.3	24.3	-	28.2	28.2
308.4	-	49.2	-	48.7	-	-	-	45.9	46.1	46.1	-	42.3	-	-	22.6	24.0	-	27.1	27.1
321.5	-	-	-	-	-	-	-	-	-	-	-	41.0	-	-	22.0	-	-	26.2	26.2
334.6	-	-	-	-	-	-	-	-	-	-	-	39.5	-	-	21.5	-	-	25.1	25.1
347.8	-	-	-	-	-	-	-	-	-	-	-	37.9	-	-	21.0	-	-	24.5	24.5
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.6	-	-	23.6	23.6
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.1	-	-	23.1	23.1
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	-	-	22.5	22.5



<sup>1)</sup> 0 lb - 352,800 lb

# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

352,800 lb +  88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5	
334.6 ft											
SSL/LSL+LF2				SSL/LSL SGL_S1+LF2				SSL/LSL+LF2			
39.4 ft				78.7 ft				118.1 ft			
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>	
10°		15°		20°		30°		10°		30°	
1,000 lb											
49.2	130.1	130.1	-	-	-	-	-	-	179.7	-	-
52.5	130.1	130.1	119.0	119.0	-	-	-	-	179.7	170.9	-
55.8	129.0	129.0	119.0	119.0	110.2	110.2	-	-	179.7	170.9	-
59.1	127.9	127.9	119.0	119.0	110.2	110.2	-	-	179.7	170.9	84.0
62.3	126.8	126.8	117.9	117.9	109.8	109.8	88.2	88.2	179.7	170.9	84.0
65.6	126.8	126.8	116.8	116.8	108.9	108.9	87.1	87.1	179.7	170.9	84.0
72.2	124.6	124.6	114.6	114.6	107.4	107.4	85.1	85.1	179.7	170.9	82.5
78.7	113.5	121.3	112.4	112.4	105.8	105.8	83.1	83.1	179.7	170.9	81.1
85.3	103.2	119.0	104.7	111.3	103.8	103.8	81.1	81.1	179.7	166.4	79.4
91.9	94.1	116.8	95.5	109.1	96.8	102.1	79.6	79.6	179.7	159.8	77.8
98.4	86.0	114.6	87.3	106.9	88.6	100.1	77.8	77.8	178.6	154.3	76.1
111.5	72.3	109.3	73.4	102.3	74.5	96.3	74.7	74.7	177.5	144.4	72.8
124.7	60.6	104.5	61.9	97.9	63.1	92.4	64.8	72.1	170.9	135.6	62.6
137.8	50.7	100.5	51.6	94.6	52.5	89.3	54.2	69.7	159.8	127.9	53.6
150.9	41.0	96.6	41.9	91.1	42.8	86.4	44.3	67.5	146.6	121.3	45.6
164.0	33.1	92.4	34.0	87.5	34.6	83.3	35.9	65.5	132.3	114.6	38.4
177.2	26.2	88.4	27.1	84.0	27.8	80.2	29.1	63.5	117.9	110.0	31.5
190.3	20.3	84.4	20.9	80.5	21.6	77.2	22.9	61.9	106.3	105.2	25.8
203.4	16.1	80.2	15.7	76.9	16.3	74.1	17.4	60.4	93.0	93.5	20.7
216.5	11.7	76.3	12.3	73.6	12.8	71.2	13.7	59.3	79.4	80.7	15.9
229.7	7.7	72.1	8.2	69.7	8.6	67.7	9.5	58.2	74.3	74.5	12.6
242.8	-	67.9	-	65.9	-	64.2	5.7	57.1	69.2	69.4	9.3
255.9	-	63.7	-	61.9	-	60.4	-	56.2	64.2	64.4	6.0
269.0	-	59.5	-	58.0	-	56.9	-	54.7	59.1	59.3	-
282.2	-	55.3	-	54.2	-	53.1	-	51.6	54.0	54.2	-
295.3	-	51.1	-	50.3	-	49.6	-	-	48.9	49.2	-
308.4	-	47.0	-	46.3	-	45.9	-	-	43.9	44.3	-
321.5	-	42.8	-	42.5	-	42.3	-	-	39.0	39.2	-
334.6	-	38.6	-	38.6	-	-	-	-	34.0	34.2	-
347.8	-	-	-	-	-	-	-	-	-	-	34.0
360.9	-	-	-	-	-	-	-	-	-	-	32.4
374.0	-	-	-	-	-	-	-	-	-	-	-
387.1	-	-	-	-	-	-	-	-	-	-	-
400.3	-	-	-	-	-	-	-	-	-	-	-

	0 lb	88,200 lb	176,400 lb	264,600 lb	352,800 lb
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<sup>1)</sup> 0 lb - 352,800 lb

# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

352,800 lb + 88,200 lb    29.5-49.2 ft    23.8 ft    32.2 ft/s    360°    ASME B30.5																
354.3 ft																
SSL/LSL+LF2					SSL/LSL SGL_S1+LF2					SSL/LSL+LF2						
39.4 ft										78.7 ft			118.1 ft			
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>				0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>
10°		15°		20°		30°		10°		15°		10°		20°		30°
ft																
1,000 lb																
52.5	117.9	117.9	-	-	-	-	-	-	160.9	-	-	-	-	-	-	-
55.8	117.9	117.9	110.0	110.0	102.3	102.3	-	-	160.9	153.2	-	-	-	-	-	-
59.1	117.9	117.9	110.0	110.0	102.3	102.3	-	-	160.9	153.2	-	-	-	-	-	-
62.3	116.8	116.8	109.6	109.6	102.3	102.3	88.4	88.4	160.9	153.2	78.7	78.7	-	-	-	-
65.6	116.8	116.8	108.9	108.9	101.9	101.9	87.3	87.3	160.9	153.2	78.7	78.7	-	-	-	-
72.2	115.7	115.7	108.0	108.0	101.0	101.0	85.3	85.3	159.8	153.2	78.0	78.0	-	-	53.4	53.4
78.7	109.8	113.5	106.7	106.7	100.1	100.1	83.3	83.3	158.7	153.2	76.9	76.9	61.5	61.5	53.4	53.4
85.3	99.6	112.4	101.2	105.4	99.0	99.0	81.6	81.6	157.6	151.0	75.6	75.6	61.3	61.3	40.1	52.9
91.9	90.6	110.2	92.2	104.1	93.5	97.9	80.0	80.0	156.5	149.9	74.1	74.1	60.6	60.6	39.0	52.5
98.4	82.7	109.1	84.0	102.3	85.3	96.6	78.3	78.3	154.3	148.8	72.8	72.8	59.7	59.7	38.1	52.0
111.5	69.2	105.2	70.5	99.0	71.7	93.7	73.6	75.4	149.9	144.4	69.9	69.9	58.2	58.2	36.6	50.0
124.7	58.4	101.4	59.3	95.7	60.4	90.8	62.2	72.8	144.4	138.9	60.0	67.0	56.4	56.4	35.1	48.3
137.8	48.5	97.9	49.4	92.6	50.3	88.0	52.0	70.3	136.7	131.2	51.1	64.2	54.2	54.2	33.7	46.3
150.9	39.5	94.4	40.3	89.7	41.2	85.5	42.8	68.1	126.8	123.5	43.4	61.9	46.5	51.6	32.4	44.3
164.0	31.5	91.1	32.4	86.9	33.1	82.9	34.6	66.1	116.8	114.6	36.4	59.7	39.2	49.2	31.3	38.4
177.2	24.5	87.5	25.4	84.0	26.2	80.5	27.6	64.4	108.0	106.3	30.0	57.8	32.8	47.0	30.2	32.4
190.3	18.5	84.2	19.2	81.1	20.1	77.8	21.4	62.6	98.3	97.2	24.3	55.8	26.9	45.0	29.3	26.5
203.4	13.2	80.7	13.9	78.0	14.6	75.4	15.7	61.1	88.6	88.2	19.2	53.8	21.6	43.2	28.4	21.6
216.5	9.9	77.4	10.6	75.2	9.9	72.8	10.8	59.7	78.9	79.1	14.3	51.6	17.0	41.7	27.8	17.4
229.7	6.0	73.9	6.4	72.3	7.1	70.3	7.9	58.6	69.7	70.3	10.1	49.6	12.3	40.1	26.9	13.7
242.8	-	69.7	-	68.3	-	66.6	-	57.5	65.3	65.3	7.7	47.6	8.6	38.8	26.5	9.9
255.9	-	65.3	-	64.2	-	62.8	-	56.7	60.6	60.8	-	45.4	6.2	37.5	25.8	6.4
269.0	-	61.1	-	60.0	-	58.9	-	56.0	56.0	56.2	-	43.7	-	36.4	25.4	-
282.2	-	56.7	-	56.0	-	54.9	-	53.1	51.6	51.6	-	41.9	-	35.5	24.9	-
295.3	-	52.5	-	51.8	-	50.9	-	49.4	47.0	47.2	-	40.1	-	34.6	24.5	-
308.4	-	48.1	-	47.6	-	47.0	-	-	42.3	42.5	-	38.1	-	33.7	24.3	-
321.5	-	43.9	-	43.7	-	43.2	-	-	37.9	37.9	-	36.4	-	32.8	24.0	-
334.6	-	39.5	-	39.5	-	39.2	-	-	33.3	33.5	-	34.6	-	32.4	23.8	-
347.8	-	35.3	-	35.3	-	-	-	-	28.7	28.9	-	32.6	-	31.3	-	-
360.9	-	-	-	-	-	-	-	-	-	-	-	30.9	-	30.0	-	-
374.0	-	-	-	-	-	-	-	-	-	-	-	29.1	-	28.4	-	-
387.1	-	-	-	-	-	-	-	-	-	-	-	27.3	-	-	-	-
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	0 lb		88,200 lb		176,400 lb		264,600 lb		352,800 lb
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<sup>1)</sup> 0 lb - 352,800 lb



# Operation

# SSL/LSL+LF2 SSL/LSL SGL\_S1+LF2

352,800 lb +  88,200 lb		 29.5-49.2 ft		 23.8 ft		 32.2 ft/s		360°		ASME B30.5	
393.7 ft											
SSL/LSL+LF2				SSL/LSL SGL_S1+LF2				SSL/LSL+LF2			
39.4 ft				78.7 ft				118.1 ft			
0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>		0 lb <sup>1)</sup>	
10°		15°		20°		30°		10°		30°	
ft		1,000 lb									
55.8	87.7	87.7	-	-	-	-	-	-	-	-	-
59.1	87.7	87.7	81.8	81.8	-	-	-	-	-	-	-
62.3	87.1	87.1	81.8	81.8	76.7	76.7	-	-	-	-	-
65.6	86.4	86.4	81.4	81.4	76.7	76.7	67.2	67.2	-	-	-
72.2	85.3	85.3	80.2	80.2	75.6	75.6	67.2	67.2	-	-	-
78.7	84.0	84.0	79.1	79.1	74.5	74.5	66.4	66.4	-	-	-
85.3	82.7	82.7	77.8	77.8	73.6	73.6	65.7	65.7	-	-	-
91.9	81.1	81.1	76.5	76.5	72.3	72.3	64.8	64.8	-	-	-
98.4	76.9	79.6	75.4	75.4	71.2	71.2	63.9	63.9	-	-	-
111.5	64.2	76.5	65.3	72.5	66.6	69.0	62.2	62.2	-	-	-
124.7	53.6	73.4	54.7	69.9	55.8	66.6	57.8	60.4	-	-	-
137.8	44.3	70.3	45.6	67.0	46.7	64.2	48.3	58.6	-	-	-
150.9	35.3	68.1	36.4	64.8	37.3	61.9	39.0	56.9	-	-	-
164.0	28.0	65.7	28.9	62.8	29.5	60.2	31.3	55.3	-	-	-
177.2	21.6	63.3	22.5	60.6	23.1	58.2	24.7	53.8	-	-	-
190.3	15.7	60.8	16.5	58.4	17.2	56.2	18.7	52.2	-	-	-
203.4	10.4	58.6	11.0	56.4	11.7	54.5	13.0	50.7	-	-	-
216.5	5.7	56.2	6.4	54.2	7.1	52.5	8.2	49.2	-	-	-
229.7	-	53.8	-	52.0	-	50.5	-	47.6	-	-	-
242.8	-	51.4	-	50.0	-	48.7	-	46.3	-	-	-
255.9	-	48.9	-	47.8	-	46.7	-	44.8	-	-	-
269.0	-	46.5	-	45.4	-	44.5	-	42.8	-	-	-
282.2	-	44.1	-	43.2	-	42.3	-	40.6	-	-	-
295.3	-	41.7	-	40.8	-	40.1	-	38.6	-	-	-
308.4	-	39.2	-	38.6	-	37.9	-	36.6	-	-	-
321.5	-	36.8	-	36.2	-	35.7	-	34.4	-	-	-
334.6	-	34.4	-	34.0	-	33.5	-	-	-	-	-
347.8	-	32.0	-	31.5	-	31.3	-	-	-	-	-
360.9	-	29.3	-	29.3	-	29.1	-	-	-	-	-
374.0	-	26.9	-	26.9	-	-	-	-	-	-	-
387.1	-	24.5	-	24.7	-	-	-	-	-	-	-
400.3	-	-	-	-	-	-	-	-	-	-	-
413.4	-	-	-	-	-	-	-	-	-	-	-
426.5	-	-	-	-	-	-	-	-	-	-	-
439.6	-	-	-	-	-	-	-	-	-	-	-
452.8	-	-	-	-	-	-	-	-	-	-	-



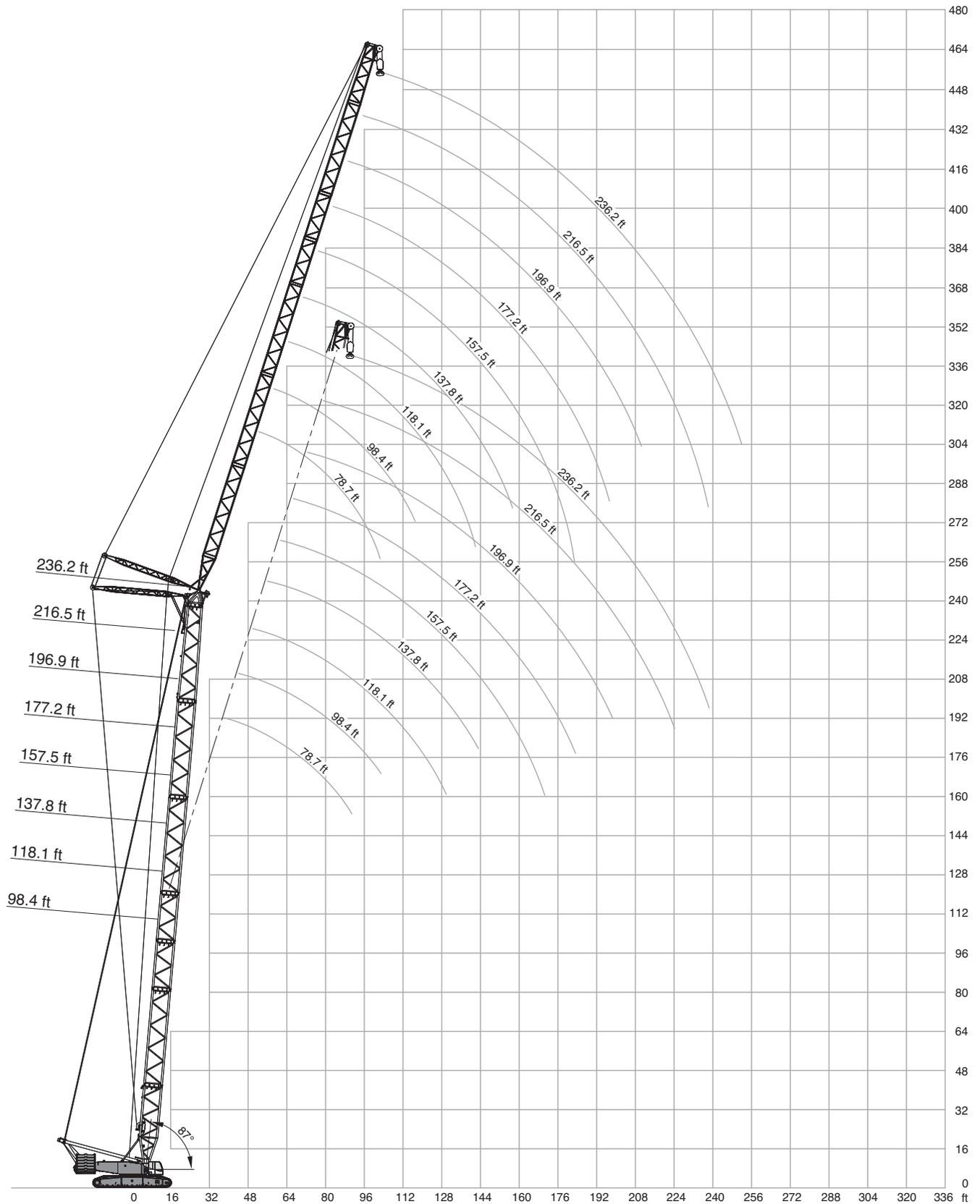
<sup>1)</sup> 0 lb - 352,800 lb





# LUFFING FLY JIB





# Operation

352,800 lb + 88,200 lb													23.8 ft			32.2 ft/s			360°			ASME B30.5								
98.4 ft													78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft					
													87°/85°			75°			65°			87°/85°			75°			65°		
ft													1,000 lb																	
36.1	370.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
39.4	340.6	-	-	325.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
42.7	315.3	-	-	302.0	-	-	288.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
45.9	293.2	-	-	281.1	-	-	270.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
49.2	274.5	-	-	263.5	-	-	252.4	-	-	243.6	-	-	-	-	-	-	-	-	-	-	-	-								
52.5	257.9	-	-	246.9	-	-	238.1	-	-	229.3	-	-	220.5	-	-	-	-	-	-	-	-	-								
59.1	229.3	-	-	220.5	-	-	212.7	-	-	205.0	-	-	197.8	-	-	-	-	-	-	-	-	-								
65.6	201.1	-	-	199.3	-	-	192.0	-	-	185.2	-	-	178.8	-	-	-	-	-	-	-	-	-								
72.2	177.5	164.5	-	175.7	-	-	174.6	-	-	168.4	-	-	162.7	-	-	-	-	-	-	-	-	-								
78.7	158.5	146.8	-	156.7	144.4	-	155.6	-	-	153.9	-	-	149.3	-	-	-	-	-	-	-	-	-								
85.3	143.1	132.3	-	141.3	130.1	-	140.2	-	-	138.5	-	-	137.6	-	-	-	-	-	-	-	-	-								
91.9	128.5*	120.4	-	128.5	118.2	-	127.2	116.6	-	125.4	-	-	125.0	-	-	-	-	-	-	-	-	-								
98.4	-	110.2	103.0	117.7	108.0	-	116.4	106.5	-	114.6	104.3	-	114.2	-	-	-	-	-	-	-	-	-								
105.0	-	101.4	94.6	108.2	99.4	-	107.1	97.9	-	105.2	95.7	-	104.7	95.0	-	-	-	-	-	-	-	-								
111.5	-	-	87.5	99.0*	91.9	85.1	99.0	90.4	-	97.2	88.2	-	96.6	87.5	-	-	-	-	-	-	-	-								
124.7	-	-	76.1	-	79.6	73.6	85.8	78.0	71.9	83.8	75.8	-	83.1	75.2	-	-	-	-	-	-	-	-								
131.2	-	-	-	-	-	68.8	-	73.0	67.0	78.3	70.8	64.8	77.6	69.9	-	-	-	-	-	-	-	-								
137.8	-	-	-	-	-	64.6	-	68.3	62.8	73.4	66.1	60.4	72.8	65.3	-	-	-	-	-	-	-	-								
144.4	-	-	-	-	-	60.8	-	64.4	58.9	69.2	62.2	56.7	68.3	61.3	55.8	-	-	-	-	-	-	-								
150.9	-	-	-	-	-	-	-	-	55.6	-	58.4	53.1	64.2	57.5	52.2	-	-	-	-	-	-	-								
164.0	-	-	-	-	-	-	-	-	49.8	-	52.2	47.4	57.3	51.1	46.3	-	-	-	-	-	-	-								
177.2	-	-	-	-	-	-	-	-	-	-	42.5	-	45.9	41.0	36.8	-	-	-	-	-	-	-								
190.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

177.2 ft													196.9 ft			216.5 ft			236.2 ft											
													87°/85°			75°			65°			87°/85°			75°			65°		
ft													1,000 lb																	
55.8	201.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
59.1	191.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
62.3	181.7	-	-	173.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
65.6	172.8	-	-	166.9	-	-	141.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
72.2	157.6	-	-	152.1	-	-	141.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
78.7	144.6	-	-	139.6	-	-	135.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
82.0	139.0	-	-	134.2	-	-	130.1	-	-	112.2	-	-	-	-	-	-	-	-	-	-	-	-								
85.3	133.4	-	-	128.8	-	-	124.8	-	-	112.4*	-	-	-	-	-	-	-	-	-	-	-	-								
91.9	123.5	-	-	119.0	-	-	115.5	-	-	110.0	-	-	-	-	-	-	-	-	-	-	-	-								
98.4	113.1	-	-	110.9	-	-	107.6	-	-	103.6	-	-	-	-	-	-	-	-	-	-	-	-								
111.5	95.7	86.2	-	94.4	-	-	93.7	-	-	90.2	-	-	-	-	-	-	-	-	-	-	-	-								
124.7	82.2	73.9	-	80.9	72.5	-	80.2	-	-	78.7	-	-	-	-	-	-	-	-	-	-	-	-								
131.2	76.7	68.8	-	75.4	67.2	-	74.7	66.4	-	73.2	-	-	-	-	-	-	-	-	-	-	-	-								
137.8	71.7	64.2	-	70.3	62.6	-	69.7	61.9	-	68.1	60.0	-	-	-	-	-	-	-	-	-	-	-								
150.9	63.1	56.4	-	61.9	54.9	-	61.1	54.0	-	59.5	52.2	-	-	-	-	-	-	-	-	-	-	-								
157.5	59.5	52.9	47.8	58.2	51.6	-	57.5	50.7	-	55.8	48.7	-	-	-	-	-	-	-	-	-	-	-								
164.0	56.2	49.8	44.8	54.9	48.5	-	54.0	47.6	-	52.5	45.6	-	-	-	-	-	-	-	-	-	-	-								
177.2	50.5	44.5	39.5	48.9	43.0	37.7	48.1	42.1	36.6	46.5	40.1	-	-	-	-	-	-	-	-	-	-	-								
190.3	-	39.9	35.1	44.1	38.4	33.3	43.2	37.3	32.0	41.4	35.3	29.8	-	-	-	-	-	-	-	-	-	-								
203.4	-	36.2	31.3	39.9	34.2	29.3	38.8	33.1	28.2	37.3	31.1	26.0	-	-	-	-	-	-	-	-	-	-								
216.5	-	-	28.2	-	30.9	26.2	35.3	29.5	24.9	33.5	27.6	22.7	-	-	-	-	-	-	-	-	-	-								
229.7	-	-	-	-	-	23.4	-	26.5	22.0	30.0	24.3	19.8	-	-	-	-	-	-	-	-	-	-								
242.8	-	-	-	-	-	-	-	24.0	19.6	26.2*	21.6	17.4	-	-	-	-	-	-	-	-	-	-								
255.9	-	-	-	-	-	-	-	-	17.6	-	19.4	15.2	-	-	-	-	-	-	-	-	-	-								
269.0	-	-	-	-	-	-	-	-	-	-	-	13.4	-	-	-	-	-	-	-	-	-	-								

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SW

352,800 lb + 88,200 lb		23.8 ft		32.2 ft/s		360°		ASME B30.5						
118.1 ft														
78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft		
87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°		
ft			1,000 lb											
36.1	352.7	-	-	-	-	-	-	-	-	-	-	-	-	-
39.4	325.2	-	-	310.9	-	-	-	-	-	-	-	-	-	-
45.9	281.1	-	-	270.1	-	-	259.0	-	-	-	-	-	-	-
49.2	263.5	-	-	252.4	-	-	242.5	-	-	233.7	-	-	-	-
52.5	248.0	-	-	238.1	-	-	229.3	-	-	220.5	-	-	212.5	-
59.1	221.6	-	-	213.2	-	-	205.3	-	-	197.5	-	-	190.7	-
65.6	200.0	-	-	192.5	-	-	185.6	-	-	178.8	-	-	172.6	-
72.2	176.6	-	-	174.8	-	-	169.1	-	-	162.9	-	-	157.4	-
78.7	157.6	142.9	-	155.9	-	-	154.8	-	-	149.7	-	-	144.6	-
85.3	142.2	128.8	-	140.4	126.3	-	139.3	-	-	137.6	-	-	133.4	-
91.9	127.2*	116.8	-	127.6	114.6	-	126.5	113.1	-	124.8	-	-	123.7	-
98.4	-	106.9	-	116.8	104.7	-	115.7	103.2	-	113.8	-	-	113.3	-
105.0	-	98.5	-	107.6	96.3	-	106.3	94.8	-	104.5	92.6	-	104.1	-
111.5	-	91.1	83.1	97.9*	88.8	-	98.3	87.3	-	96.3	85.1	-	95.9	84.4
118.1	-	-	77.2	-	82.5	74.5	91.3	80.9	-	89.3	78.7	-	88.8	78.0
124.7	-	-	71.9	-	76.9	69.4	85.1	75.4	-	83.1	73.2	-	82.7	72.5
131.2	-	-	67.2	-	71.9	64.8	78.0*	70.3	63.1	77.6	68.1	-	77.2	67.5
137.8	-	-	-	-	-	60.6	-	65.9	59.1	72.8	63.7	-	72.1	63.1
144.4	-	-	-	-	-	57.1	-	61.9	55.3	68.6	59.7	52.9	67.7	58.9
150.9	-	-	-	-	-	53.8	-	58.4	52.0	63.3*	56.2	49.6	63.7	55.3
164.0	-	-	-	-	-	-	-	-	46.3	-	50.0	43.7	56.9	48.9
177.2	-	-	-	-	-	-	-	-	-	-	-	38.8	-	43.9
190.3	-	-	-	-	-	-	-	-	-	-	-	34.8	-	39.7
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	30.0

177.2 ft		196.9 ft			216.5 ft			236.2 ft						
87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°					
ft			1,000 lb											
59.1	184.3	-	-	-	-	-	-	-	-	-	-	-	-	-
62.3	175.3	-	-	156.5	-	-	-	-	-	-	-	-	-	-
65.6	166.9	-	-	156.5	-	-	133.2	-	-	-	-	-	-	-
72.2	152.3	-	-	147.0	-	-	133.2	-	-	-	-	-	-	-
78.7	140.0	-	-	134.9	-	-	131.0	-	-	-	-	-	-	-
82.0	134.6	-	-	129.7	-	-	125.9	-	-	106.9	-	-	-	-
85.3	129.2	-	-	124.6	-	-	120.8	-	-	107.4*	-	-	-	-
91.9	119.7	-	-	115.5	-	-	112.0	-	-	105.2	-	-	-	-
98.4	111.6	-	-	107.4	-	-	104.3	-	-	100.3	-	-	-	-
111.5	95.0	-	-	93.9	-	-	91.1	-	-	87.5	-	-	-	-
118.1	88.0	76.9	-	86.6	-	-	85.3	-	-	82.0	-	-	-	-
124.7	81.6	71.2	-	80.5	69.7	-	79.8	-	-	77.2	-	-	-	-
137.8	71.2	61.7	-	69.9	60.2	-	69.2	59.3	-	67.7	-	-	-	-
144.4	66.6	57.8	-	65.5	56.2	-	64.8	55.3	-	63.1	53.6	-	-	-
150.9	62.6	54.0	-	61.3	52.7	-	60.6	51.8	-	59.1	49.8	-	-	-
164.0	55.8	47.8	41.0	54.2	46.3	-	53.6	45.4	-	52.0	43.2	-	-	-
177.2	49.8	42.5	35.9	48.5	40.8	34.0	47.8	39.9	-	46.1	37.7	-	-	-
190.3	-	37.9	31.7	43.7	36.2	29.8	42.8	35.1	28.7	41.0	33.1	-	-	-
203.4	-	34.2	28.2	39.5	32.2	26.2	38.6	31.1	25.1	36.8	28.9	22.7	-	-
216.5	-	-	25.1	-	28.9	23.1	34.8	27.6	21.8	33.1	25.6	19.6	-	-
229.7	-	-	22.7	-	-	20.5	-	24.7	19.2	29.5	22.5	17.0	-	-
242.8	-	-	-	-	-	18.3	-	22.0	17.0	25.6*	19.8	14.6	-	-
255.9	-	-	-	-	-	-	-	-	14.8	-	17.6	12.6	-	-
269.0	-	-	-	-	-	-	-	-	-	-	-	10.8	-	-
282.2	-	-	-	-	-	-	-	-	-	-	-	-	9.3	-

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

352,800 lb + 88,200 lb		23.8 ft			32.2 ft/s			360°			ASME B30.5		
137.8 ft													
78.7 ft		98.4 ft			118.1 ft			137.8 ft			157.5 ft		
87°/85° 75° 65°		87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°		
ft		1,000 lb											
36.1	335.1	-	-	-	-	-	-	-	-	-	-	-	
39.4	309.7	-	-	-	-	-	-	-	-	-	-	-	
42.7	287.7	-	-	275.6	-	-	-	-	-	-	-	-	
45.9	269.0	-	-	257.9	-	-	248.0	-	-	-	-	-	
49.2	252.4	-	-	242.5	-	-	232.6	-	-	223.8	-	-	
52.5	238.1	-	-	228.2	-	-	220.2	-	-	211.9	-	-	
55.8	224.9	-	-	216.5	-	-	208.3	-	-	200.6	-	-	
59.1	213.4	-	-	205.3	-	-	197.8	-	-	190.3	-	-	
65.6	193.1	-	-	185.8	-	-	179.0	-	-	172.6	-	-	
72.2	175.5	-	-	169.5	-	-	163.4	-	-	157.6	-	-	
78.7	156.7	-	-	155.0	-	-	150.1	-	-	144.8	-	-	
85.3	141.3	124.8	-	139.6	-	-	138.5	-	-	133.8	-	-	
91.9	125.9*	113.3	-	126.8	110.9	-	125.7	-	-	123.9	-	-	
98.4	-	103.4	-	116.0	101.2	-	114.9	99.6	-	113.1	-	-	
105.0	-	95.2	-	106.7	92.8	-	105.6	91.3	-	103.6	89.1	-	
111.5	-	88.0	-	96.6*	85.8	-	97.4	84.2	-	95.7	82.0	-	
118.1	-	81.8	72.5	-	79.6	-	90.6	78.0	-	88.6	75.6	-	
124.7	-	-	67.5	-	74.1	-	84.4	72.5	-	82.5	70.3	-	
131.2	-	-	63.1	-	69.2	60.4	76.9*	67.7	-	76.9	65.5	-	
137.8	-	-	59.1	-	65.0	56.7	-	63.3	54.7	72.1	61.1	-	
150.9	-	-	-	-	-	49.8	-	56.0	47.8	62.2*	53.6	45.0	
157.5	-	-	-	-	-	47.0	-	52.9	45.0	-	50.5	42.1	
164.0	-	-	-	-	-	-	-	-	42.3	-	47.6	39.5	
177.2	-	-	-	-	-	-	-	-	37.7	-	43.0	34.8	
190.3	-	-	-	-	-	-	-	-	-	-	31.1	-	
203.4	-	-	-	-	-	-	-	-	-	-	-	37.3	
216.5	-	-	-	-	-	-	-	-	-	-	-	29.8	
												26.5	
												23.6	

177.2 ft		196.9 ft			216.5 ft			236.2 ft				
87°/85° 75° 65°		87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°				
ft		1,000 lb										
59.1	169.5	-	-	-	-	-	-	-	-	-	-	-
62.3	168.9	-	-	146.2	-	-	-	-	-	-	-	-
65.6	160.9	-	-	146.2	-	-	-	-	-	-	-	-
72.2	147.0	-	-	142.0	-	-	125.0	-	-	103.6	-	-
78.7	135.4	-	-	130.5	-	-	123.9	-	-	103.6	-	-
85.3	125.0	-	-	120.6	-	-	116.8	-	-	103.2*	-	-
91.9	116.0	-	-	111.8	-	-	108.2	-	-	101.6	-	-
98.4	108.0	-	-	104.1	-	-	100.8	-	-	97.0	-	-
111.5	94.4	-	-	91.1	-	-	88.2	-	-	84.7	-	-
124.7	81.1	68.3	-	79.8	-	-	77.8	-	-	74.5	-	-
131.2	75.4	63.5	-	74.3	61.9	-	73.4	-	-	70.3	-	-
137.8	70.5	59.1	-	69.2	57.5	-	68.8	-	-	66.4	-	-
144.4	66.1	55.3	-	64.8	53.8	-	64.2	52.7	-	62.6	-	-
150.9	62.2	51.8	-	60.8	50.3	-	60.2	49.2	-	58.6	46.7	-
164.0	55.1	45.6	-	53.8	43.9	-	53.1	42.8	-	51.6	40.6	-
177.2	49.4	40.1	32.0	48.1	38.4	-	47.2	37.5	-	45.6	35.3	-
190.3	43.2*	35.7	28.0	43.2	34.0	26.2	42.3	32.8	-	40.6	30.6	-
203.4	-	32.0	24.7	39.0	30.0	22.7	38.1	28.9	21.6	36.4	26.9	-
216.5	-	-	21.8	-	26.7	19.8	34.4	25.6	18.7	32.4	23.4	16.3
229.7	-	-	19.4	-	24.0	17.4	-	22.7	16.1	29.1	20.5	13.9
242.8	-	-	-	-	-	15.2	-	20.3	13.9	26.2	18.1	11.7
255.9	-	-	-	-	-	13.4	-	-	12.1	-	15.9	9.7
269.0	-	-	-	-	-	-	-	-	10.4	-	13.9	7.9
282.2	-	-	-	-	-	-	-	-	-	-	-	6.6

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SW

352,800 lb + 88,200 lb		23.8 ft			32.2 ft/s			360°			ASME B30.5			
157.5 ft														
78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft		
87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°		
ft			1,000 lb											
39.4	295.4	-	-	-	-	-	-	-	-	-	-	-		
42.7	275.6	-	-	263.5	-	-	-	-	-	-	-	-		
45.9	257.9	-	-	246.9	-	-	237.0	-	-	-	-	-		
52.5	228.2	-	-	220.0	-	-	211.6	-	-	203.5	-	-		
55.8	216.5	-	-	208.3	-	-	200.4	-	-	192.9	-	-		
59.1	205.5	-	-	197.5	-	-	190.3	-	-	183.2	-	-		
65.6	186.3	-	-	179.2	-	-	172.6	-	-	166.2	-	-		
72.2	170.4	-	-	163.8	-	-	157.9	-	-	152.1	-	-		
78.7	155.6	-	-	150.8	-	-	145.3	-	-	140.0	-	-		
85.3	140.4	120.4	-	138.7	-	-	134.5	-	-	129.4	-	-		
91.9	127.6	109.1	-	125.9	-	-	124.8	-	-	120.4	-	-		
98.4	-	99.6	-	115.1	97.2	-	114.0	-	-	112.2	-	-		
105.0	-	91.7	-	105.8	89.3	-	104.7	87.7	-	102.7	-	-		
111.5	-	84.7	-	95.2*	82.2	-	96.8	80.9	-	94.8	78.5	-		
118.1	-	78.5	-	-	76.3	-	89.7	74.7	-	87.7	72.3	-		
124.7	-	73.2	62.6	-	71.0	-	83.6	69.4	-	81.6	67.0	-		
131.2	-	-	58.4	-	66.1	-	75.8*	64.6	-	76.3	62.4	-		
137.8	-	-	54.7	-	61.9	51.6	-	60.4	-	71.4	58.2	-		
150.9	-	-	48.3	-	-	45.2	-	53.4	43.0	61.1*	50.9	-		
157.5	-	-	-	-	-	42.3	-	50.3	40.3	-	47.8	37.5		
164.0	-	-	-	-	-	39.9	-	-	37.7	-	45.0	34.8		
177.2	-	-	-	-	-	-	-	-	33.5	-	40.1	30.4		
190.3	-	-	-	-	-	-	-	-	-	-	26.9	-		
203.4	-	-	-	-	-	-	-	-	-	-	24.0	-		
216.5	-	-	-	-	-	-	-	-	-	-	-	20.1		

177.2 ft			196.9 ft			216.5 ft			236.2 ft					
87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°					
ft			1,000 lb											
59.1	155.0	-	-	-	-	-	-	-	-	-	-	-		
65.6	155.0	-	-	132.9	-	-	-	-	-	-	-	-		
72.2	142.0	-	-	132.9	-	-	115.3	-	-	-	-	-		
78.7	130.7	-	-	125.9	-	-	114.2	-	-	-	-	-		
85.3	120.8	-	-	116.4	-	-	112.2	-	-	96.1	-	-		
91.9	112.2	-	-	108.0	-	-	104.7	-	-	96.1*	-	-		
98.4	104.7	-	-	100.5	-	-	97.4	-	-	93.7	-	-		
111.5	91.7	-	-	88.2	-	-	85.3	-	-	81.8	-	-		
124.7	80.5	-	-	78.0	-	-	75.4	-	-	72.1	-	-		
131.2	75.0	60.6	-	73.6	-	-	71.0	-	-	67.9	-	-		
137.8	69.9	56.2	-	68.8	54.0	-	67.0	-	-	63.9	-	-		
144.4	65.5	52.5	-	64.4	50.7	-	63.5	48.5	-	60.4	-	-		
150.9	61.5	48.9	-	60.2	47.2	-	59.7	45.6	-	57.3	-	-		
157.5	57.8	45.6	-	56.7	43.9	-	56.0	43.0	-	54.2	40.1	-		
164.0	54.7	42.8	-	53.4	41.0	-	52.7	39.9	-	50.9	37.7	-		
177.2	48.9	37.5	-	47.4	35.7	-	46.7	34.8	-	45.2	32.6	-		
190.3	42.3*	33.3	24.3	42.5	31.5	22.3	41.9	30.4	-	40.1	28.2	-		
203.4	-	29.5	21.2	38.6	27.8	19.2	37.7	26.7	17.9	35.9	24.5	-		
216.5	-	26.5	18.3	-	24.5	16.3	34.0	23.4	15.2	32.0	21.2	12.8		
229.7	-	-	16.1	-	21.8	14.1	29.1*	20.7	12.8	28.7	18.5	10.6		
242.8	-	-	14.3	-	-	12.1	-	18.3	10.8	25.8	15.9	8.4		
255.9	-	-	-	-	-	10.4	-	16.1	9.0	-	13.9	6.6		
269.0	-	-	-	-	-	-	-	-	7.5	-	12.1	-		
282.2	-	-	-	-	-	-	-	-	6.2	-	-	-		

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SW

352,800 lb + 88,200 lb		23.8 ft			32.2 ft/s			360°			ASME B30.5		
177.2 ft													
78.7 ft		98.4 ft			118.1 ft			137.8 ft			157.5 ft		
87°/85° 75° 65°		87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°		
ft		1,000 lb											
39.4	281.1	-	-	-	-	-	-	-	-	-	-	-	-
42.7	263.5	-	-	252.4	-	-	-	-	-	-	-	-	-
45.9	246.9	-	-	237.0	-	-	-	-	-	-	-	-	-
49.2	232.6	-	-	222.7	-	-	214.7	-	-	-	-	-	-
52.5	219.8	-	-	211.2	-	-	203.0	-	-	189.8	-	-	-
55.8	208.1	-	-	200.2	-	-	192.5	-	-	185.2	-	-	165.3
59.1	197.5	-	-	190.0	-	-	183.0	-	-	176.1	-	-	165.3
65.6	179.7	-	-	172.6	-	-	166.2	-	-	160.3	-	-	154.5
72.2	164.5	-	-	158.1	-	-	152.3	-	-	146.6	-	-	141.5
78.7	151.7	-	-	145.7	-	-	140.2	-	-	135.1	-	-	130.3
85.3	139.3	-	-	134.9	-	-	129.9	-	-	125.0	-	-	120.6
91.9	126.5	104.9	-	124.8	-	-	121.0	-	-	116.4	-	-	112.2
98.4	112.4*	95.7	-	114.0	93.3	-	113.1	-	-	108.7	-	-	104.7
111.5	-	81.1	-	97.0	78.7	-	95.9	77.2	-	93.9	-	-	91.9
118.1	-	75.2	-	87.1*	72.8	-	88.8	71.2	-	87.1	68.8	-	86.6
124.7	-	69.9	-	-	67.5	-	82.9	66.1	-	80.9	63.7	-	80.5
131.2	-	-	52.7	-	63.1	-	77.4	61.5	-	75.4	59.1	-	75.2
137.8	-	-	49.2	-	58.9	-	70.1*	57.3	-	70.5	55.1	-	70.1
144.4	-	-	45.9	-	55.3	42.8	-	53.8	-	66.4	51.1	-	65.7
150.9	-	-	43.0	-	-	39.9	-	50.5	-	60.0*	47.8	-	61.9
157.5	-	-	40.6	-	-	37.5	-	47.4	35.3	-	44.8	-	58.2
164.0	-	-	-	-	-	35.1	-	44.8	33.1	-	41.9	-	55.1
177.2	-	-	-	-	-	31.3	-	-	28.9	-	37.0	26.0	36.2
190.3	-	-	-	-	-	-	-	-	25.6	-	-	22.7	32.2
203.4	-	-	-	-	-	-	-	-	-	-	-	19.8	28.7
216.5	-	-	-	-	-	-	-	-	-	-	-	17.9	16.3
229.7	-	-	-	-	-	-	-	-	-	-	-	-	14.3

177.2 ft		196.9 ft			216.5 ft			236.2 ft					
87°/85° 75° 65°		87°/85° 75° 65°			87°/85° 75° 65°			87°/85° 75° 65°					
ft		1,000 lb											
62.3	142.4	-	-	-	-	-	-	-	-	-	-	-	-
65.6	142.4	-	-	123.5	-	-	-	-	-	-	-	-	-
72.2	136.9	-	-	123.5	-	-	106.7	-	-	-	-	-	-
78.7	126.1	-	-	120.8	-	-	106.7	-	-	91.9	-	-	-
85.3	116.6	-	-	112.2	-	-	104.9	-	-	91.3	-	-	-
91.9	108.5	-	-	104.3	-	-	101.0	-	-	89.7	-	-	-
98.4	101.2	-	-	97.2	-	-	93.9	-	-	88.4	-	-	-
111.5	88.8	-	-	85.1	-	-	82.2	-	-	78.9	-	-	-
124.7	78.7	-	-	75.4	-	-	72.8	-	-	69.4	-	-	-
137.8	69.2	52.5	-	67.2	-	-	64.8	-	-	61.7	-	-	-
144.4	64.8	49.2	-	63.7	46.3	-	61.3	-	-	58.4	-	-	-
150.9	60.8	45.6	-	59.7	43.7	-	58.0	41.2	-	55.1	-	-	-
157.5	57.3	42.5	-	56.0	40.8	-	55.1	38.8	-	52.2	35.9	-	-
164.0	54.0	39.7	-	52.7	37.9	-	52.0	36.6	-	49.6	33.7	-	-
177.2	48.3	34.8	-	47.0	33.1	-	46.3	32.0	-	44.5	29.8	-	-
190.3	41.4*	30.6	20.1	42.1	28.9	-	41.4	27.8	-	39.7	25.6	-	-
203.4	-	27.1	17.2	37.9	25.4	15.2	37.0	24.3	-	35.3	22.0	-	-
216.5	-	24.0	14.8	-	22.3	12.8	33.5	21.2	11.5	31.3	19.0	-	-
229.7	-	-	12.6	-	19.6	10.6	28.2*	18.5	9.3	28.0	16.1	-	-
242.8	-	-	10.8	-	17.4	8.6	-	16.1	7.5	25.1	13.9	-	-
255.9	-	-	-	-	-	7.1	-	14.1	5.7	-	11.9	-	-
269.0	-	-	-	-	-	5.7	-	-	-	-	10.1	-	-
282.2	-	-	-	-	-	-	-	-	-	-	8.6	-	-

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

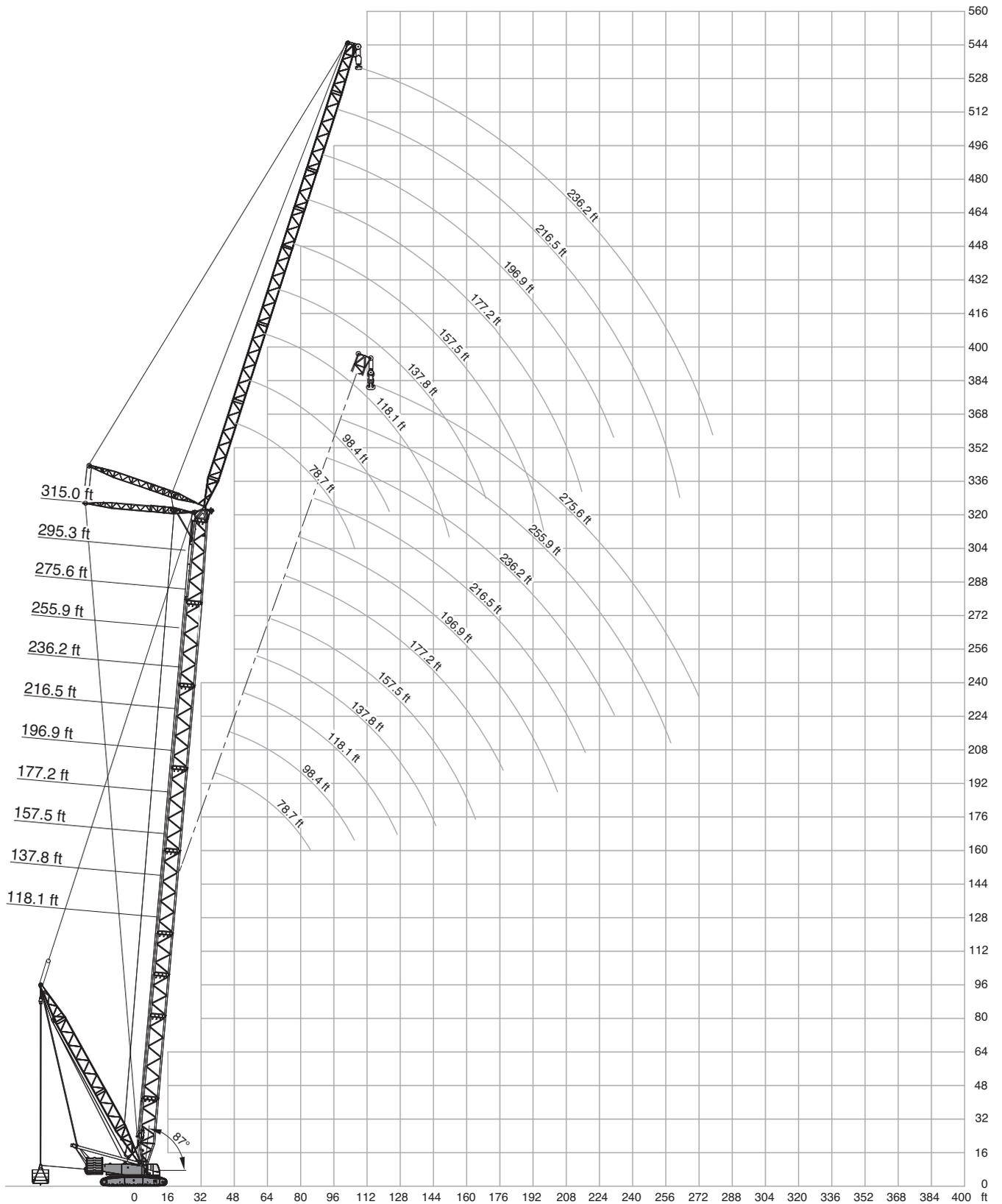
SW

352,800 lb + 88,200 lb		23.8 ft			32.2 ft/s			360°			ASME B30.5		
196.9 ft													
78.7 ft		98.4 ft			118.1 ft			137.8 ft			157.5 ft		
87°/85°   75°   65°		87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°			87°/85°   75°   65°		
ft	1,000 lb												
39.4	263.5	-	-	-	-	-	-	-	-	-	-	-	
45.9	235.9	-	-	226.0	-	-	-	-	-	-	-	-	
49.2	222.7	-	-	214.1	-	-	194.4	-	-	-	-	-	
52.5	210.8	-	-	202.4	-	-	194.4	-	-	170.4	-	-	
59.1	190.0	-	-	182.5	-	-	175.7	-	-	169.1	-	146.4	
65.6	172.8	-	-	166.2	-	-	160.1	-	-	154.1	-	146.4	
72.2	158.5	-	-	152.3	-	-	146.8	-	-	141.3	-	136.2	
78.7	146.4	-	-	140.7	-	-	135.4	-	-	130.3	-	125.7	
85.3	136.0	-	-	130.5	-	-	125.4	-	-	120.6	-	116.4	
91.9	125.7	-	-	121.5	-	-	116.8	-	-	112.2	-	108.2	
98.4	110.9*	91.3	-	113.1	-	-	109.1	-	-	104.9	-	101.0	
105.0	-	83.8	-	103.8	81.1	-	102.5	-	-	98.3	-	94.6	
111.5	-	77.2	-	96.1	74.7	-	95.0	72.3	-	92.4	-	88.8	
118.1	-	71.4	-	85.8*	69.0	-	88.0	67.7	-	86.0	-	83.8	
124.7	-	66.6	-	-	64.2	-	82.0	62.6	-	80.0	59.7	78.9	
131.2	-	62.2	-	-	59.5	-	76.7	58.0	-	74.5	55.3	74.3	
137.8	-	-	-	-	55.8	-	68.8*	54.0	-	69.7	51.1	69.4	
144.4	-	-	40.3	-	52.0	-	-	50.3	-	65.5	47.6	65.0	
150.9	-	-	37.7	-	48.9	34.6	-	47.0	-	61.7	44.3	61.1	
157.5	-	-	35.3	-	-	32.2	-	44.1	-	55.6*	41.2	57.5	
164.0	-	-	33.1	-	-	30.0	-	41.4	28.0	-	38.6	54.5	
177.2	-	-	-	-	-	26.2	-	-	24.3	-	34.0	46.5*	
190.3	-	-	-	-	-	-	-	-	21.2	-	30.4	18.1	
203.4	-	-	-	-	-	-	-	-	18.7	-	-	15.7	
216.5	-	-	-	-	-	-	-	-	-	-	-	13.7	
229.7	-	-	-	-	-	-	-	-	-	-	-	-	
242.8	-	-	-	-	-	-	-	-	-	-	-	-	

\* Main boom angle 85°

Main boom angle 87°/85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1





# Operation

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

118.1 ft + 78.7 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
36.1	-	418.9*	-	-	-	-
39.4	-	418.9*	-	-	-	-
45.9	-	418.9	-	-	-	-
52.5	-	418.9	-	-	-	-
59.1	-	418.9	-	-	-	-
65.6	-	418.9	-	-	-	-
72.2	-	364.9	-	-	-	-
78.7	-	321.9	368.2	-	-	-
85.3	-	287.7	336.2	-	-	-
91.9	-	242.5	308.6	-	-	-
98.4	-	-	284.4	-	-	-
111.5	-	-	246.9	239.2	-	-
124.7	-	-	-	211.0	-	-
131.2	-	-	-	198.9	-	-
137.8	-	-	-	-	184.3	-
150.9	-	-	-	-	166.0	-

118.1 ft + 157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
52.5	-	249.1*	-	-	-	-
59.1	-	246.9*	-	-	-	-
65.6	-	248.0	-	-	-	-
72.2	-	241.4	-	-	-	-
78.7	-	233.7	-	-	-	-
85.3	-	223.8	-	-	-	-
91.9	-	213.2	-	-	-	-
98.4	-	203.3	-	-	-	-
111.5	-	183.6	211.9	-	-	-
124.7	-	163.8	197.5	-	-	-
137.8	-	149.0	177.7	-	-	-
150.9	-	132.1	158.3	158.5	-	-
164.0	-	110.2	142.2	146.2	-	-
177.2	-	-	128.5	133.6	-	-
190.3	-	-	107.8	122.8	112.4	-
203.4	-	-	-	113.3	109.3	-
216.5	-	-	-	-	102.3	-
229.7	-	-	-	-	-	90.2
242.8	-	-	-	-	-	85.8

118.1 ft + 118.1 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
45.9	-	349.4*	-	-	-	-
52.5	-	352.7	-	-	-	-
59.1	-	349.4	-	-	-	-
65.6	-	339.5	-	-	-	-
72.2	-	326.3	-	-	-	-
78.7	-	309.7	-	-	-	-
85.3	-	292.1	-	-	-	-
91.9	-	273.4	299.8	-	-	-
98.4	-	248.0	282.2	-	-	-
111.5	-	208.3	243.6	-	-	-
124.7	-	167.6	215.0	-	-	-
131.2	-	146.6	202.6	195.8	-	-
137.8	-	-	191.4	185.0	-	-
150.9	-	-	160.1	166.4	-	-
164.0	-	-	-	151.0	145.3	-
177.2	-	-	-	-	134.7	-
190.3	-	-	-	-	123.9	110.5
203.4	-	-	-	-	-	105.8

118.1 ft + 196.9 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
62.3	-	175.3*	-	-	-	-
65.6	-	175.3*	-	-	-	-
72.2	-	171.7	-	-	-	-
78.7	-	171.7	-	-	-	-
85.3	-	168.2	-	-	-	-
91.9	-	164.5	-	-	-	-
98.4	-	160.7	-	-	-	-
111.5	-	152.8	-	-	-	-
124.7	-	145.1	152.1	-	-	-
137.8	-	137.3	149.5	-	-	-
150.9	-	129.6	143.7	-	-	-
164.0	-	118.8	135.6	-	-	-
177.2	-	106.5	126.8	130.1	-	-
190.3	-	92.6	114.0	119.9	-	-
203.4	-	78.5	102.3	110.7	-	-
216.5	-	-	92.2	102.5	-	-
229.7	-	-	-	95.2	92.2	-
242.8	-	-	-	88.4	86.0	-
255.9	-	-	-	-	80.5	67.2
269.0	-	-	-	-	-	65.7
282.2	-	-	-	-	-	62.8

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1


**352,800 lb +**

**88,200 lb**

**29.5-49.2 ft**

**23.8 ft**

**32.2 ft/s**
**360°**
**ASME B30.5**

**118.1 ft + 236.2 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	<b>1,000 lb</b>					
72.2	-	117.9*	-	-	-	-
78.7	-	117.1*	-	-	-	-
85.3	-	115.7	-	-	-	-
91.9	-	114.9	-	-	-	-
98.4	-	113.1	-	-	-	-
111.5	-	109.6	-	-	-	-
124.7	-	106.0	-	-	-	-
137.8	-	103.0	-	-	-	-
144.4	-	101.4	103.8	-	-	-
150.9	-	99.9	103.2	-	-	-
164.0	-	96.6	101.0	-	-	-
177.2	-	93.7	99.0	-	-	-
190.3	-	87.5	96.8	-	-	-
203.4	-	81.4	94.8	91.7	-	-
216.5	-	75.0	90.6	91.3	-	-
229.7	-	66.6	82.0	89.7	-	-
242.8	-	56.9	74.5	86.2	-	-
255.9	-	-	67.2	78.5	71.0	-
269.0	-	-	-	71.7	67.9	-
282.2	-	-	-	65.3	65.0	-
295.3	-	-	-	-	62.4	56.2
308.4	-	-	-	-	-	53.8

**118.1 ft + 275.6 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	<b>1,000 lb</b>					
85.3	-	81.8*	-	-	-	-
91.9	-	80.2*	-	-	-	-
98.4	-	79.4	-	-	-	-
111.5	-	76.7	-	-	-	-
124.7	-	74.1	-	-	-	-
137.8	-	71.2	-	-	-	-
150.9	-	69.0	-	-	-	-
164.0	-	66.8	68.1	-	-	-
177.2	-	64.8	66.8	-	-	-
190.3	-	62.6	65.3	-	-	-
203.4	-	60.4	63.7	-	-	-
216.5	-	57.8	62.4	-	-	-
229.7	-	55.1	60.8	58.6	-	-
242.8	-	52.5	59.5	58.0	-	-
255.9	-	49.8	57.5	57.1	-	-
269.0	-	47.2	55.3	56.0	-	-
282.2	-	41.7	53.4	55.1	52.2	-
295.3	-	-	50.0	52.7	52.2	-
308.4	-	-	-	50.5	52.0	-
321.5	-	-	-	48.1	50.9	45.2
334.6	-	-	-	-	48.9	45.0
347.8	-	-	-	-	-	43.4

**137.8 ft + 78.7 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	<b>1,000 lb</b>					
36.1	-	418.9*	-	-	-	-
39.4	-	418.9*	-	-	-	-
45.9	277.8	418.9	-	-	-	-
52.5	245.8	418.9	-	-	-	-
59.1	220.2	418.9	-	-	-	-
65.6	199.3	418.9	-	-	-	-
72.2	179.9	377.0	-	-	-	-
78.7	160.7	331.8	-	-	-	-
85.3	145.1	295.4	332.9	-	-	-
91.9	131.8	250.2	305.3	-	-	-
98.4	-	-	282.2	-	-	-
111.5	-	-	243.6	-	-	-
118.1	-	-	228.2	220.2	-	-
124.7	-	-	-	207.0	-	-
137.8	-	-	-	184.5	-	-
150.9	-	-	-	-	161.6	-
157.5	-	-	-	-	153.9	-

**137.8 ft + 118.1 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	<b>1,000 lb</b>					
45.9	-	328.5*	-	-	-	-
52.5	-	327.4*	-	-	-	-
55.8	215.0	334.0	-	-	-	-
59.1	203.9	334.0	-	-	-	-
65.6	184.7	327.4	-	-	-	-
72.2	168.7	316.4	-	-	-	-
78.7	155.0	303.1	-	-	-	-
85.3	142.0	285.5	-	-	-	-
91.9	128.8	270.1	-	-	-	-
98.4	117.7	254.6	278.9	-	-	-
111.5	99.9	211.4	241.4	-	-	-
124.7	86.4	169.5	212.3	-	-	-
131.2	80.9	149.3	200.2	-	-	-
137.8	-	-	189.2	181.2	-	-
150.9	-	-	170.2	162.9	-	-
157.5	-	-	152.3	155.0	-	-
164.0	-	-	-	147.7	-	-
177.2	-	-	-	135.1	130.7	-
190.3	-	-	-	-	120.2	-


0 lb
88,200 lb
176,400 lb
264,600 lb
308,700 lb
352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

137.8 ft + 157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
55.8	-	233.7*	-	-	-	-
59.1	-	233.7*	-	-	-	-
65.6	172.0	234.8	-	-	-	-
72.2	157.0	232.6	-	-	-	-
78.7	144.4	227.1	-	-	-	-
85.3	133.4	219.6	-	-	-	-
91.9	123.9	210.5	-	-	-	-
98.4	115.3	201.3	-	-	-	-
111.5	97.7	183.0	-	-	-	-
118.1	90.4	173.7	204.1	-	-	-
124.7	84.0	164.7	199.5	-	-	-
137.8	73.4	149.7	182.1	-	-	-
150.9	64.8	132.9	163.8	-	-	-
164.0	57.8	110.9	146.2	143.1	-	-
177.2	-	-	132.7	130.5	-	-
190.3	-	-	114.6	119.9	-	-
203.4	-	-	-	110.7	106.7	-
216.5	-	-	-	102.7	98.8	-
229.7	-	-	-	-	91.9	-
242.8	-	-	-	-	-	75.4
255.9	-	-	-	-	-	72.1

137.8 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
72.2	-	114.4*	-	-	-	-
78.7	-	113.5*	-	-	-	-
85.3	107.8	112.4	-	-	-	-
91.9	107.8	111.8	-	-	-	-
98.4	100.3	110.0	-	-	-	-
111.5	87.7	106.9	-	-	-	-
124.7	77.4	103.6	-	-	-	-
137.8	68.8	100.8	-	-	-	-
150.9	60.0	97.9	100.8	-	-	-
164.0	52.9	95.2	99.4	-	-	-
177.2	47.0	92.6	97.7	-	-	-
190.3	41.9	87.7	95.9	-	-	-
203.4	37.3	82.2	93.9	-	-	-
216.5	33.1	76.3	92.2	89.1	-	-
229.7	29.5	66.6	88.2	89.1	-	-
242.8	26.5	56.7	79.1	83.8	-	-
255.9	-	-	69.7	78.3	-	-
269.0	-	-	60.0	73.2	67.5	-
282.2	-	-	-	68.8	64.8	-
295.3	-	-	-	-	61.5	-
308.4	-	-	-	-	58.0	52.9
321.5	-	-	-	-	-	50.7

137.8 ft + 196.9 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
62.3	-	168.0*	-	-	-	-
65.6	-	168.0*	-	-	-	-
72.2	-	164.7*	-	-	-	-
78.7	134.7	165.6	-	-	-	-
85.3	124.6	162.3	-	-	-	-
91.9	115.5	159.2	-	-	-	-
98.4	107.6	155.9	-	-	-	-
111.5	94.1	149.3	-	-	-	-
124.7	81.8	142.2	-	-	-	-
131.2	76.1	138.7	146.8	-	-	-
137.8	71.0	135.1	146.8	-	-	-
150.9	62.4	128.1	142.4	-	-	-
164.0	55.3	119.0	136.2	-	-	-
177.2	49.4	107.1	128.3	-	-	-
190.3	44.3	92.6	120.6	117.3	-	-
203.4	40.1	78.5	110.0	108.0	-	-
216.5	-	-	96.1	99.9	-	-
229.7	-	-	82.2	92.8	80.7	-
242.8	-	-	-	86.6	78.9	-
255.9	-	-	-	81.1	75.4	-
269.0	-	-	-	-	72.1	63.3
282.2	-	-	-	-	-	61.9
295.3	-	-	-	-	-	59.3

137.8 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
85.3	-	79.4*	-	-	-	-
91.9	-	78.0*	-	-	-	-
98.4	73.9	77.2	-	-	-	-
111.5	72.5	75.2	-	-	-	-
124.7	70.5	72.5	-	-	-	-
137.8	63.3	70.1	-	-	-	-
150.9	56.2	67.9	-	-	-	-
164.0	50.3	65.9	65.7	-	-	-
177.2	45.2	63.7	65.0	-	-	-
190.3	40.1	61.7	63.5	-	-	-
203.4	35.3	59.7	62.2	-	-	-
216.5	31.1	57.8	60.8	-	-	-
229.7	27.1	55.6	59.7	56.7	-	-
242.8	23.8	53.4	58.6	56.7	-	-
255.9	20.9	51.1	56.9	56.4	-	-
269.0	18.3	48.7	54.5	55.6	-	-
282.2	15.9	41.2	52.0	54.9	-	-
295.3	-	-	49.6	53.6	50.9	-
308.4	-	-	44.3	51.6	50.9	-
321.5	-	-	-	49.4	50.9	-
334.6	-	-	-	-	49.2	42.5
347.8	-	-	-	-	46.3	42.3
360.9	-	-	-	-	-	40.8

0 lb 88,200 lb 176,400 lb 264,600 lb 308,700 lb 352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

352,800 lb + 88,200 lb   
 29.5-49.2 ft   
 23.8 ft   
 32.2 ft/s   
 360°   
 ASME B30.5

157.5 ft + 78.7 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
39.4	312.0*	407.9*	-	-	-	-
45.9	272.3*	407.9	-	-	-	-
52.5	241.4*	407.9	-	-	-	-
59.1	216.9*	407.9	-	-	-	-
65.6	196.7*	396.8	-	-	-	-
72.2	179.9*	380.3	-	-	-	-
78.7	162.7*	341.7	-	-	-	-
85.3	146.8*	303.1	328.5	-	-	-
91.9	133.6*	264.6	302.0	-	-	-
98.4	-	-	278.9	-	-	-
111.5	-	-	241.4	-	-	-
124.7	-	-	212.3	202.6	-	-
137.8	-	-	-	180.6	-	-
150.9	-	-	-	162.5	-	-
157.5	-	-	-	-	149.3	-
164.0	-	-	-	-	142.2	-

157.5 ft + 157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
55.8	196.7*	215.6*	-	-	-	-
59.1	187.0*	215.6*	-	-	-	-
65.6	170.0*	216.9	-	-	-	-
72.2	155.6*	216.7	-	-	-	-
78.7	143.3*	214.1	-	-	-	-
85.3	132.5*	209.0	-	-	-	-
91.9	123.2*	201.7	-	-	-	-
98.4	114.9*	193.8	-	-	-	-
111.5	99.2*	177.9	-	-	-	-
118.1	91.9*	170.0	197.5	-	-	-
124.7	85.5*	162.0	196.9	-	-	-
137.8	74.5*	147.9	181.2	-	-	-
150.9	65.9*	134.9	162.9	-	-	-
164.0	58.9*	114.4	147.7	-	-	-
177.2	-	-	134.9	127.2	-	-
190.3	-	-	123.5	116.8	-	-
203.4	-	-	-	107.8	-	-
216.5	-	-	-	99.9	95.2	-
229.7	-	-	-	-	88.4	-
242.8	-	-	-	-	82.7	-
255.9	-	-	-	-	-	70.1
269.0	-	-	-	-	-	67.0

157.5 ft + 118.1 ft

ft	1,000 lb					
45.9	250.2*	300.9*	-	-	-	-
52.5	222.7*	298.7*	-	-	-	-
59.1	201.1*	306.4	-	-	-	-
65.6	182.5*	300.9	-	-	-	-
72.2	166.9*	294.3	-	-	-	-
78.7	153.7*	286.6	-	-	-	-
85.3	142.4*	274.5	-	-	-	-
91.9	130.7*	262.4	-	-	-	-
98.4	119.5*	251.3	-	-	-	-
105.0	109.8*	237.0	255.7	-	-	-
111.5	101.4*	218.0	238.1	-	-	-
124.7	87.7*	175.7	209.7	-	-	-
131.2	79.8	155.6	197.5	-	-	-
137.8	-	-	186.5	-	-	-
150.9	-	-	167.8	159.2	-	-
157.5	-	-	159.6	151.2	-	-
164.0	-	-	-	144.2	-	-
177.2	-	-	-	131.8	-	-
190.3	-	-	-	-	116.0	-
203.4	-	-	-	-	107.1	-

157.5 ft + 196.9 ft

ft	1,000 lb					
65.6	150.6*	155.0*	-	-	-	-
72.2	145.3*	153.4*	-	-	-	-
78.7	133.8*	153.4	-	-	-	-
85.3	123.7*	152.3	-	-	-	-
91.9	114.9*	149.9	-	-	-	-
98.4	107.1*	147.3	-	-	-	-
111.5	93.9*	141.5	-	-	-	-
124.7	83.3*	135.4	-	-	-	-
137.8	72.5*	129.2	139.6	-	-	-
150.9	63.7*	123.0	137.8	-	-	-
164.0	56.4*	115.7	133.6	-	-	-
177.2	50.3*	108.0	127.4	-	-	-
190.3	45.2*	95.0	121.5	113.8	-	-
203.4	41.0*	80.9	112.0	104.9	-	-
216.5	-	-	101.6	97.2	-	-
229.7	-	-	88.2	90.2	-	-
242.8	-	-	-	84.2	75.6	-
255.9	-	-	-	78.7	73.9	-
269.0	-	-	-	-	69.7	-
282.2	-	-	-	-	65.5	-
288.7	-	-	-	-	-	58.6
295.3	-	-	-	-	-	57.3
308.4	-	-	-	-	-	54.5

	0 lb	88,200 lb	176,400 lb
	264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

157.5 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
72.2	102.7*	107.6*	-	-	-	-
78.7	102.7*	107.6*	-	-	-	-
85.3	101.9*	105.8*	-	-	-	-
91.9	102.5	106.3	-	-	-	-
98.4	100.1*	104.9	-	-	-	-
111.5	87.5*	102.1	-	-	-	-
124.7	77.4*	99.4	-	-	-	-
137.8	68.8*	96.8	-	-	-	-
150.9	61.3*	94.4	-	-	-	-
157.5	57.5*	93.3	95.7	-	-	-
164.0	54.0*	92.2	95.5	-	-	-
177.2	48.1*	89.7	94.4	-	-	-
190.3	42.8*	86.0	93.0	-	-	-
203.4	38.4*	81.4	91.7	-	-	-
216.5	34.4*	76.9	90.2	85.3	-	-
229.7	30.9*	68.1	88.0	85.3	-	-
242.8	27.6*	58.4	82.7	81.4	-	-
255.9	-	-	73.6	75.8	-	-
269.0	-	-	64.2	70.8	63.7	-
282.2	-	-	-	66.6	62.4	-
295.3	-	-	-	62.6	58.4	-
308.4	-	-	-	-	55.1	-
321.5	-	-	-	-	52.0	48.1
334.6	-	-	-	-	-	45.4
347.8	-	-	-	-	-	43.0

157.5 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
85.3	71.2*	75.4*	-	-	-	-
91.9	71.0*	74.7*	-	-	-	-
98.4	70.5	74.1	-	-	-	-
111.5	69.9	72.3	-	-	-	-
124.7	68.3	69.9	-	-	-	-
137.8	63.3*	67.7	-	-	-	-
150.9	56.4*	65.7	-	-	-	-
164.0	50.5*	63.9	-	-	-	-
177.2	45.4*	61.9	62.8	-	-	-
190.3	40.8*	60.2	61.7	-	-	-
203.4	36.6*	58.4	60.6	-	-	-
216.5	32.4*	56.7	59.7	-	-	-
229.7	28.7*	54.9	58.6	-	-	-
242.8	25.1*	53.1	57.5	54.2	-	-
255.9	22.0*	51.1	56.4	54.2	-	-
269.0	19.4*	49.4	54.5	54.2	-	-
282.2	17.0*	42.8	52.2	53.8	-	-
295.3	-	-	50.0	53.4	-	-
308.4	-	-	47.6	52.0	47.0	-
321.5	-	-	-	50.3	47.0	-
334.6	-	-	-	48.3	46.5	-
347.8	-	-	-	-	43.9	38.8
360.9	-	-	-	-	41.4	37.9
374.0	-	-	-	-	-	35.7

177.2 ft + 78.7 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
39.4	297.6*	379.2*	-	-	-	-
45.9	260.1*	379.2*	-	-	-	-
52.5	231.5*	379.2	-	-	-	-
59.1	208.8*	374.8	-	-	-	-
65.6	189.8*	360.5	-	-	-	-
72.2	173.9*	347.2	-	-	-	-
78.7	160.5*	332.9	-	-	-	-
85.3	145.7*	308.6	-	-	-	-
91.9	132.5*	276.7	297.6	-	-	-
98.4	117.9	230.4	274.5	-	-	-
111.5	-	-	238.1	-	-	-
124.7	-	-	209.4	-	-	-
131.2	-	-	-	186.5	-	-
137.8	-	-	-	176.1	-	-
150.9	-	-	-	158.5	-	-
157.5	-	-	-	151.0	-	-

177.2 ft + 118.1 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
49.2	227.1*	278.9*	-	-	-	-
52.5	214.7*	275.6*	-	-	-	-
59.1	193.6*	278.9	-	-	-	-
65.6	176.1*	275.6	-	-	-	-
72.2	161.4*	270.1	-	-	-	-
78.7	148.6*	263.5	-	-	-	-
85.3	137.8*	255.7	-	-	-	-
91.9	128.3*	249.1	-	-	-	-
98.4	118.6*	241.4	-	-	-	-
111.5	100.5*	221.6	234.8	-	-	-
124.7	87.1*	181.4	206.6	-	-	-
131.2	81.4*	161.6	194.7	-	-	-
137.8	73.9	139.8	183.9	-	-	-
150.9	-	-	165.1	-	-	-
157.5	-	-	157.2	147.5	-	-
164.0	-	-	149.9	140.4	-	-
177.2	-	-	-	128.1	-	-
190.3	-	-	-	117.7	-	-
203.4	-	-	-	-	103.0	-
216.5	-	-	-	-	95.5	-

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

177.2 ft + 157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
55.8	189.2*	202.6*	-	-	-	-
59.1	179.9*	202.6*	-	-	-	-
65.6	163.8*	200.4*	-	-	-	-
72.2	150.1*	204.8	-	-	-	-
78.7	138.5*	202.2	-	-	-	-
85.3	128.1*	199.1	-	-	-	-
91.9	119.3*	194.0	-	-	-	-
98.4	111.3*	188.3	-	-	-	-
111.5	98.1*	174.2	-	-	-	-
124.7	84.7*	160.1	187.8	-	-	-
137.8	73.9*	146.8	178.6	-	-	-
150.9	65.3*	134.7	160.5	-	-	-
164.0	58.2*	117.5	145.5	-	-	-
177.2	-	-	132.7	123.7	-	-
190.3	-	-	121.9	113.5	-	-
203.4	-	-	110.5	104.7	-	-
216.5	-	-	-	97.0	-	-
229.7	-	-	-	90.2	84.0	-
242.8	-	-	-	-	79.1	-
255.9	-	-	-	-	74.1	-
269.0	-	-	-	-	-	64.2
282.2	-	-	-	-	-	60.8

177.2 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
78.7	98.3*	103.2*	-	-	-	-
85.3	97.9*	101.6*	-	-	-	-
91.9	98.8	101.6	-	-	-	-
98.4	96.3*	101.2	-	-	-	-
111.5	84.7*	98.5	-	-	-	-
124.7	74.7*	96.1	-	-	-	-
137.8	66.6*	93.9	-	-	-	-
150.9	59.5*	91.7	-	-	-	-
157.5	56.4*	90.6	92.6	-	-	-
164.0	53.6*	89.5	92.6	-	-	-
177.2	47.4*	87.3	92.2	-	-	-
190.3	42.3*	84.2	91.1	-	-	-
203.4	37.9*	80.2	89.7	-	-	-
216.5	33.7*	76.3	88.4	-	-	-
229.7	30.4*	69.7	86.9	80.5	-	-
242.8	27.1*	60.0	82.9	78.5	-	-
255.9	-	-	77.4	73.2	-	-
269.0	-	-	68.1	68.3	-	-
282.2	-	-	58.2	64.2	59.1	-
295.3	-	-	-	60.2	55.3	-
308.4	-	-	-	56.7	52.0	-
321.5	-	-	-	-	48.9	-
334.6	-	-	-	-	46.3	41.9
347.8	-	-	-	-	-	39.5
360.9	-	-	-	-	-	37.5

177.2 ft + 196.9 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
65.6	142.2*	146.8*	-	-	-	-
72.2	140.0*	145.5*	-	-	-	-
78.7	129.2*	146.6	-	-	-	-
85.3	119.5*	145.7	-	-	-	-
91.9	111.1*	143.7	-	-	-	-
98.4	103.6*	141.5	-	-	-	-
111.5	91.1*	136.5	-	-	-	-
124.7	80.7*	130.7	-	-	-	-
137.8	71.9*	125.2	-	-	-	-
144.4	67.2*	122.4	133.8	-	-	-
150.9	63.1*	119.5	133.4	-	-	-
164.0	55.8*	113.5	130.5	-	-	-
177.2	49.8*	106.7	126.1	-	-	-
190.3	44.8*	97.0	119.5	-	-	-
203.4	40.3*	83.1	110.0	101.9	-	-
216.5	-	-	101.9	94.1	-	-
229.7	-	-	93.5	87.3	-	-
242.8	-	-	79.6	81.4	-	-
255.9	-	-	-	76.1	71.0	-
269.0	-	-	-	71.4	66.4	-
282.2	-	-	-	-	62.2	-
295.3	-	-	-	-	58.6	-
308.4	-	-	-	-	-	50.7
321.5	-	-	-	-	-	48.1

177.2 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
85.3	68.6*	72.3*	-	-	-	-
91.9	68.6*	71.9*	-	-	-	-
98.4	68.1	70.8	-	-	-	-
111.5	67.9	69.9	-	-	-	-
124.7	65.5	68.1	-	-	-	-
137.8	61.1*	65.9	-	-	-	-
150.9	54.5*	64.2	-	-	-	-
164.0	48.7*	62.4	-	-	-	-
177.2	43.7*	60.6	60.8	-	-	-
190.3	39.2*	58.9	60.4	-	-	-
203.4	35.5*	57.3	59.7	-	-	-
216.5	32.0*	55.6	59.1	-	-	-
229.7	28.2*	54.0	58.0	-	-	-
242.8	24.9*	52.5	56.9	-	-	-
255.9	21.8*	50.7	56.0	52.7	-	-
269.0	19.2*	49.2	54.2	52.7	-	-
282.2	16.8*	44.1	52.2	52.5	-	-
295.3	-	-	50.3	52.5	-	-
308.4	-	-	48.3	52.5	44.5	-
321.5	-	-	-	50.9	44.5	-
334.6	-	-	-	48.3	43.9	-
347.8	-	-	-	45.4	41.2	-
360.9	-	-	-	-	38.8	-
374.0	-	-	-	-	36.6	31.7
387.1	-	-	-	-	-	29.5
400.3	-	-	-	-	-	27.6

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

352,800 lb + 88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5	
196.9 ft + 78.7 ft		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb	
87°/85°		87°/85°		75°		65°		55°		45°	
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
39.4	283.3*	339.5*	-	-	-	-	-	-	-	-	-
45.9	249.1*	335.1*	-	-	-	-	-	-	-	-	-
52.5	222.7*	342.8	-	-	-	-	-	-	-	-	-
59.1	200.8*	332.9	-	-	-	-	-	-	-	-	-
65.6	183.0*	320.8	-	-	-	-	-	-	-	-	-
72.2	167.8*	308.6	-	-	-	-	-	-	-	-	-
78.7	155.0*	296.5	-	-	-	-	-	-	-	-	-
85.3	144.2*	283.3	-	-	-	-	-	-	-	-	-
91.9	131.4*	267.9	-	-	-	-	-	-	-	-	-
98.4	116.4	243.6	271.2	-	-	-	-	-	-	-	-
111.5	-	-	233.7	-	-	-	-	-	-	-	-
124.7	-	-	206.4	-	-	-	-	-	-	-	-
131.2	-	-	194.4	-	-	-	-	-	-	-	-
144.4	-	-	-	162.5	-	-	-	-	-	-	-
150.9	-	-	-	154.3	-	-	-	-	-	-	-
164.0	-	-	-	140.0	-	-	-	-	-	-	-

196.9 ft + 118.1 ft		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb	
87°/85°		87°/85°		75°		65°		55°		45°	
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
49.2	217.6*	246.9*	-	-	-	-	-	-	-	-	-
52.5	206.1*	246.9*	-	-	-	-	-	-	-	-	-
59.1	186.3*	249.1	-	-	-	-	-	-	-	-	-
65.6	169.8*	246.9	-	-	-	-	-	-	-	-	-
72.2	155.6*	241.4	-	-	-	-	-	-	-	-	-
78.7	143.5*	235.9	-	-	-	-	-	-	-	-	-
85.3	133.2*	229.3	-	-	-	-	-	-	-	-	-
91.9	124.1*	222.7	-	-	-	-	-	-	-	-	-
98.4	116.2*	216.7	-	-	-	-	-	-	-	-	-
111.5	99.6*	202.4	231.5	-	-	-	-	-	-	-	-
124.7	86.2*	186.1	203.3	-	-	-	-	-	-	-	-
131.2	80.5*	167.1	191.4	-	-	-	-	-	-	-	-
137.8	72.5	146.4	180.8	-	-	-	-	-	-	-	-
150.9	-	-	162.5	-	-	-	-	-	-	-	-
164.0	-	-	147.3	136.5	-	-	-	-	-	-	-
177.2	-	-	-	124.3	-	-	-	-	-	-	-
190.3	-	-	-	114.2	-	-	-	-	-	-	-
203.4	-	-	-	105.4	-	-	-	-	-	-	-
216.5	-	-	-	-	91.3	-	-	-	-	-	-
229.7	-	-	-	-	84.9	-	-	-	-	-	-

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

196.9 ft + 157.5 ft		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb	
87°/85°		87°/85°		75°		65°		55°		45°	
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
59.1	173.1*	183.0*	-	-	-	-	-	-	-	-	-
65.6	157.6*	181.4*	-	-	-	-	-	-	-	-	-
72.2	144.8*	185.0	-	-	-	-	-	-	-	-	-
78.7	133.6*	182.5	-	-	-	-	-	-	-	-	-
85.3	123.9*	179.9	-	-	-	-	-	-	-	-	-
91.9	115.3*	176.6	-	-	-	-	-	-	-	-	-
98.4	107.6*	173.1	-	-	-	-	-	-	-	-	-
111.5	94.8*	162.9	-	-	-	-	-	-	-	-	-
124.7	84.0*	152.8	-	-	-	-	-	-	-	-	-
131.2	78.3*	147.9	174.6	-	-	-	-	-	-	-	-
137.8	73.2*	142.6	174.2	-	-	-	-	-	-	-	-
150.9	64.6*	131.8	157.9	-	-	-	-	-	-	-	-
164.0	57.5*	120.6	142.9	-	-	-	-	-	-	-	-
177.2	49.4	97.9	130.3	-	-	-	-	-	-	-	-
190.3	-	-	119.7	110.0	-	-	-	-	-	-	-
203.4	-	-	110.5	101.4	-	-	-	-	-	-	-
216.5	-	-	-	93.9	-	-	-	-	-	-	-
229.7	-	-	-	87.3	-	-	-	-	-	-	-
242.8	-	-	-	81.6	75.2	-	-	-	-	-	-
255.9	-	-	-	-	70.3	-	-	-	-	-	-
269.0	-	-	-	-	66.1	-	-	-	-	-	-
282.2	-	-	-	-	-	56.7	-	-	-	-	-
295.3	-	-	-	-	-	53.6	-	-	-	-	-

196.9 ft + 196.9 ft		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb		0 lb - 529,200 lb	
87°/85°		87°/85°		75°		65°		55°		45°	
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
65.6	131.2*	135.1*	-	-	-	-	-	-	-	-	-
72.2	131.2*	134.5*	-	-	-	-	-	-	-	-	-
78.7	124.3*	135.6	-	-	-	-	-	-	-	-	-
85.3	115.3*	135.6	-	-	-	-	-	-	-	-	-
91.9	107.1*	133.8	-	-	-	-	-	-	-	-	-
98.4	100.1*	132.1	-	-	-	-	-	-	-	-	-
111.5	88.0*	127.9	-	-	-	-	-	-	-	-	-
124.7	78.0*	123.0	-	-	-	-	-	-	-	-	-
137.8	69.7*	118.2	-	-	-	-	-	-	-	-	-
150.9	62.4*	113.3	124.6	-	-	-	-	-	-	-	-
164.0	55.1*	108.0	123.0	-	-	-	-	-	-	-	-
177.2	49.2*	102.5	120.4	-	-	-	-	-	-	-	-
190.3	44.1*	97.0	116.2	-	-	-	-	-	-	-	-
203.4	39.9*	85.1	108.0	-	-	-	-	-	-	-	-
216.5	-	-	99.9	91.1	-	-	-	-	-	-	-
229.7	-	-	92.8	84.4	-	-	-	-	-	-	-
242.8	-	-	85.3	78.5	-	-	-	-	-	-	-
255.9	-	-	-	73.4	-	-	-	-	-	-	-
269.0	-	-	-	68.8	62.8	-	-	-	-	-	-
282.2	-	-	-	-	58.9	-	-	-	-	-	-
295.3	-	-	-	-	55.3	-	-	-	-	-	-
308.4	-	-	-	-	52.2	-	-	-	-	-	-
321.5	-	-	-	-	-	44.3	-	-	-	-	-
334.6	-	-	-	-	-	41.9	-	-	-	-	-

# Operation

SWSL

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

196.9 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
78.7	92.2*	96.1*	-	-	-	-
85.3	91.7*	95.0*	-	-	-	-
91.9	92.6	95.2	-	-	-	-
98.4	90.4*	94.8	-	-	-	-
111.5	81.6*	92.8	-	-	-	-
124.7	72.1*	90.8	-	-	-	-
137.8	64.2*	88.8	-	-	-	-
150.9	57.5*	87.1	-	-	-	-
164.0	51.6*	85.1	87.3	-	-	-
177.2	46.7*	83.3	87.3	-	-	-
190.3	41.9*	80.9	87.1	-	-	-
203.4	37.3*	77.2	86.2	-	-	-
216.5	33.3*	73.4	85.1	-	-	-
229.7	29.8*	69.7	84.2	74.5	-	-
242.8	26.7*	61.5	81.8	74.5	-	-
255.9	-	-	78.0	70.3	-	-
269.0	-	-	71.7	65.7	-	-
282.2	-	-	62.4	61.5	-	-
295.3	-	-	-	57.8	52.2	-
308.4	-	-	-	54.2	48.9	-
321.5	-	-	-	-	46.1	-
334.6	-	-	-	-	43.4	-
347.8	-	-	-	-	41.0	35.5
360.9	-	-	-	-	-	33.3
374.0	-	-	-	-	-	31.1

196.9 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
85.3	64.6*	68.3*	-	-	-	-
91.9	64.6*	67.9*	-	-	-	-
98.4	64.2*	66.8*	-	-	-	-
111.5	64.2	66.4	-	-	-	-
124.7	62.4	64.4	-	-	-	-
137.8	58.6*	62.6	-	-	-	-
150.9	52.2*	60.8	-	-	-	-
164.0	46.7*	59.3	-	-	-	-
177.2	41.9*	58.0	-	-	-	-
190.3	37.7*	56.4	58.2	-	-	-
203.4	34.0*	54.9	57.5	-	-	-
216.5	30.6*	53.4	56.7	-	-	-
229.7	27.6*	51.8	56.0	-	-	-
242.8	24.5*	50.3	55.1	-	-	-
255.9	21.4*	48.7	54.5	50.5	-	-
269.0	18.7*	47.0	53.4	50.5	-	-
282.2	16.3*	45.2	51.8	50.3	-	-
295.3	-	-	50.3	50.3	-	-
308.4	-	-	48.5	50.3	-	-
321.5	-	-	46.3	48.9	42.5	-
334.6	-	-	-	46.1	41.0	-
347.8	-	-	-	43.4	38.4	-
360.9	-	-	-	-	35.9	-
374.0	-	-	-	-	33.5	-
387.1	-	-	-	-	31.3	25.4
400.3	-	-	-	-	-	23.6
413.4	-	-	-	-	-	21.8

216.5 ft + 78.7 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
42.7	253.5*	295.4*	-	-	-	-
45.9	239.2*	291.0*	-	-	-	-
52.5	213.8*	295.4	-	-	-	-
59.1	193.3*	288.8	-	-	-	-
65.6	176.4*	278.9	-	-	-	-
72.2	162.0*	269.0	-	-	-	-
78.7	149.9*	257.9	-	-	-	-
85.3	139.3*	248.0	-	-	-	-
91.9	130.5*	239.2	-	-	-	-
98.4	114.9	230.4	-	-	-	-
105.0	-	-	248.0	-	-	-
111.5	-	-	230.4	-	-	-
124.7	-	-	203.3	-	-	-
137.8	-	-	181.0	-	-	-
150.9	-	-	-	150.4	-	-
164.0	-	-	-	136.2	-	-
190.3	-	-	-	-	106.5	-
203.4	-	-	-	-	98.3	-

216.5 ft + 118.1 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
49.2	208.8*	218.5*	-	-	-	-
52.5	198.0*	218.5*	-	-	-	-
59.1	179.2*	213.6*	-	-	-	-
65.6	163.6*	218.9	-	-	-	-
72.2	150.1*	214.3	-	-	-	-
78.7	138.7*	208.8	-	-	-	-
85.3	128.8*	203.0	-	-	-	-
91.9	120.2*	197.3	-	-	-	-
98.4	112.4*	191.4	-	-	-	-
111.5	98.8*	179.7	-	-	-	-
118.1	91.5*	174.4	208.3	-	-	-
124.7	85.3*	169.3	200.2	-	-	-
131.2	79.8*	164.0	188.5	-	-	-
137.8	71.4	152.1	177.9	-	-	-
150.9	-	-	159.8	-	-	-
164.0	-	-	144.8	-	-	-
177.2	-	-	132.3	120.8	-	-
190.3	-	-	-	110.7	-	-
203.4	-	-	-	102.1	-	-
229.7	-	-	-	-	80.9	-
242.8	-	-	-	-	75.6	-

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb 29.5-49.2 ft 23.8 ft 32.2 ft/s 360° ASME B30.5

216.5 ft + 157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
59.1	159.0*	164.5*	-	-	-	-
65.6	151.9*	162.9*	-	-	-	-
72.2	139.6*	165.3	-	-	-	-
78.7	128.8*	164.0	-	-	-	-
85.3	119.5*	161.4	-	-	-	-
91.9	111.3*	158.3	-	-	-	-
98.4	104.1*	155.2	-	-	-	-
111.5	91.7*	148.2	-	-	-	-
124.7	81.8*	141.1	-	-	-	-
137.8	72.5*	133.8	157.0	-	-	-
150.9	63.9*	125.7	154.8	-	-	-
164.0	56.9*	117.5	140.4	-	-	-
177.2	48.3	101.2	128.1	-	-	-
190.3	-	-	117.5	-	-	-
203.4	-	-	108.5	98.1	-	-
216.5	-	-	100.5	90.8	-	-
229.7	-	-	-	84.2	-	-
242.8	-	-	-	78.7	-	-
255.9	-	-	-	-	66.8	-
269.0	-	-	-	-	62.6	-
282.2	-	-	-	-	58.9	-
295.3	-	-	-	-	-	49.6
308.4	-	-	-	-	-	46.7

216.5 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
78.7	85.5*	88.8*	-	-	-	-
85.3	85.5*	88.2*	-	-	-	-
91.9	86.2	88.4	-	-	-	-
98.4	84.4	88.4	-	-	-	-
111.5	78.7*	86.9	-	-	-	-
124.7	69.4*	85.3	-	-	-	-
137.8	61.9*	83.6	-	-	-	-
150.9	55.3*	81.4	-	-	-	-
164.0	49.8*	79.6	-	-	-	-
177.2	45.0*	77.6	82.0	-	-	-
190.3	40.8*	75.4	82.0	-	-	-
203.4	36.6*	72.1	81.6	-	-	-
216.5	32.6*	69.0	80.5	-	-	-
229.7	29.3*	65.7	79.6	-	-	-
242.8	26.0*	62.4	78.7	69.0	-	-
255.9	-	-	75.8	67.7	-	-
269.0	-	-	71.7	63.3	-	-
282.2	-	-	66.1	59.1	-	-
295.3	-	-	-	55.3	-	-
308.4	-	-	-	52.0	45.9	-
321.5	-	-	-	48.9	43.0	-
334.6	-	-	-	-	40.6	-
347.8	-	-	-	-	38.1	-
360.9	-	-	-	-	35.9	28.9
374.0	-	-	-	-	-	26.9
387.1	-	-	-	-	-	25.1

216.5 ft + 196.9 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
72.2	118.8*	123.0*	-	-	-	-
78.7	118.4*	121.5*	-	-	-	-
85.3	111.1*	123.7	-	-	-	-
91.9	103.4*	122.1	-	-	-	-
98.4	96.6*	120.8	-	-	-	-
111.5	84.9*	117.3	-	-	-	-
124.7	75.4*	113.3	-	-	-	-
137.8	67.5*	109.1	-	-	-	-
150.9	60.6*	104.7	114.9	-	-	-
164.0	54.7*	100.3	114.6	-	-	-
177.2	48.7*	95.7	113.3	-	-	-
190.3	43.7*	90.8	110.2	-	-	-
203.4	39.2*	86.0	106.0	-	-	-
216.5	33.1	72.5	98.1	84.7	-	-
229.7	-	-	91.1	81.6	-	-
242.8	-	-	84.9	75.8	-	-
255.9	-	-	-	70.8	-	-
269.0	-	-	-	66.1	-	-
282.2	-	-	-	62.2	55.8	-
295.3	-	-	-	-	52.2	-
308.4	-	-	-	-	49.2	-
321.5	-	-	-	-	46.3	-
334.6	-	-	-	-	-	38.1
347.8	-	-	-	-	-	35.7

216.5 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
85.3	60.2*	62.6*	-	-	-	-
91.9	60.2*	62.6*	-	-	-	-
98.4	59.7*	61.7*	-	-	-	-
111.5	60.0	61.5	-	-	-	-
124.7	59.1	60.2	-	-	-	-
137.8	56.4*	58.9	-	-	-	-
150.9	50.3*	57.5	-	-	-	-
164.0	45.0*	56.2	-	-	-	-
177.2	40.1*	54.9	-	-	-	-
190.3	36.2*	53.6	54.7	-	-	-
203.4	32.4*	52.2	54.5	-	-	-
216.5	29.1*	50.9	54.0	-	-	-
229.7	26.2*	49.2	53.6	-	-	-
242.8	23.6*	47.6	52.9	-	-	-
255.9	20.9*	46.1	52.2	-	-	-
269.0	18.3*	44.5	51.6	46.5	-	-
282.2	15.9*	43.0	50.7	46.5	-	-
295.3	-	-	49.4	46.5	-	-
308.4	-	-	48.1	46.5	-	-
321.5	-	-	46.7	46.5	-	-
334.6	-	-	-	43.9	37.7	-
347.8	-	-	-	41.2	34.8	-
360.9	-	-	-	39.0	32.4	-
374.0	-	-	-	-	30.2	-
387.1	-	-	-	-	28.0	-
400.3	-	-	-	-	-	19.6
413.4	-	-	-	-	-	18.1
426.5	-	-	-	-	-	16.5

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5	
<b>236.2 ft + 78.7 ft</b>						<b>236.2 ft + 157.5 ft</b>					
0 lb - 529,200 lb						0 lb - 529,200 lb					
87°/85° 87°/85° 75° 65° 55° 45°						87°/85° 87°/85° 75° 65° 55° 45°					
ft						ft					
1,000 lb						1,000 lb					
42.7	242.5*	255.7*	-	-	-	59.1	139.8*	145.7*	-	-	-
45.9	228.2*	252.4*	-	-	-	65.6	139.8*	144.4*	-	-	-
52.5	205.0*	254.6	-	-	-	72.2	134.3*	144.8	-	-	-
59.1	185.8*	250.2	-	-	-	78.7	123.9*	144.8	-	-	-
65.6	169.5*	242.5	-	-	-	85.3	115.1*	142.4	-	-	-
72.2	156.1*	233.7	-	-	-	91.9	107.4*	139.6	-	-	-
78.7	144.4*	224.9	-	-	-	98.4	100.3*	136.5	-	-	-
85.3	134.5*	217.2	-	-	-	111.5	88.6*	130.1	-	-	-
91.9	125.9*	209.2	-	-	-	124.7	78.9*	123.7	-	-	-
98.4	112.0	201.7	-	-	-	137.8	71.0*	117.3	-	-	-
111.5	-	-	227.1	-	-	144.4	67.2*	114.4	134.9	-	-
124.7	-	-	199.5	-	-	150.9	63.1*	111.6	134.3	-	-
137.8	-	-	177.7	-	-	164.0	56.2*	106.0	130.3	-	-
144.4	-	-	168.2	-	-	177.2	47.2	100.3	124.3	-	-
157.5	-	-	-	138.5	-	190.3	-	-	115.1	-	-
164.0	-	-	-	131.8	-	203.4	-	-	106.0	92.6	-
177.2	-	-	-	120.4	-	216.5	-	-	98.3	87.3	-
203.4	-	-	-	-	93.5	229.7	-	-	-	80.9	-
216.5	-	-	-	-	86.6	242.8	-	-	-	75.4	-
						255.9	-	-	-	70.5	-
						269.0	-	-	-	-	58.9
						282.2	-	-	-	-	55.1
						295.3	-	-	-	-	52.0
						308.4	-	-	-	-	42.5
						321.5	-	-	-	-	39.9
<b>236.2 ft + 118.1 ft</b>						<b>236.2 ft + 196.9 ft</b>					
0 lb - 529,200 lb						0 lb - 529,200 lb					
87°/85° 87°/85° 75° 65° 55° 45°						87°/85° 87°/85° 75° 65° 55° 45°					
ft						ft					
1,000 lb						1,000 lb					
52.5	184.1*	192.2*	-	-	-	72.2	105.8*	110.5*	-	-	-
59.1	172.0*	187.6*	-	-	-	78.7	105.2*	108.5*	-	-	-
65.6	157.2*	192.0	-	-	-	85.3	104.1*	109.8	-	-	-
72.2	144.6*	187.6	-	-	-	91.9	99.6*	108.9	-	-	-
78.7	133.6*	183.0	-	-	-	98.4	93.0*	107.6	-	-	-
85.3	124.1*	177.9	-	-	-	111.5	81.8*	104.1	-	-	-
91.9	116.0*	172.6	-	-	-	124.7	72.5*	100.3	-	-	-
98.4	108.5*	167.3	-	-	-	137.8	64.8*	96.3	-	-	-
111.5	96.1*	157.2	-	-	-	150.9	58.4*	92.2	-	-	-
124.7	84.4*	147.9	179.0	-	-	157.5	55.6*	90.2	101.6	-	-
131.2	78.7*	143.3	177.3	-	-	164.0	52.9*	88.2	101.6	-	-
137.8	70.1	138.7	173.5	-	-	177.2	48.1*	84.4	100.3	-	-
150.9	-	-	156.7	-	-	190.3	43.0*	80.7	98.1	-	-
164.0	-	-	142.0	-	-	203.4	38.8*	77.2	94.6	-	-
177.2	-	-	129.4	-	-	216.5	32.0	73.4	91.3	-	-
190.3	-	-	-	106.7	-	229.7	-	-	87.1	77.2	-
203.4	-	-	-	98.3	-	242.8	-	-	82.9	72.5	-
216.5	-	-	-	91.1	-	255.9	-	-	77.4	67.7	-
229.7	-	-	-	-	76.5	269.0	-	-	-	63.3	-
242.8	-	-	-	-	71.4	282.2	-	-	-	59.3	-
255.9	-	-	-	-	66.8	295.3	-	-	-	55.8	48.7
						308.4	-	-	-	45.6	-
						321.5	-	-	-	43.0	-
						347.8	-	-	-	-	30.6
						360.9	-	-	-	-	28.7

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°  
 Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

352,800 lb + 88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5	
236.2 ft + 236.2 ft						236.2 ft + 275.6 ft					
0 lb - 529,200 lb						0 lb - 529,200 lb					
87°/85° 87°/85° 75° 65° 55° 45°						87°/85° 87°/85° 75° 65° 55° 45°					
ft						ft					
1,000 lb						1,000 lb					
78.7	79.1*	82.0*	-	-	-	85.3	55.6*	58.4*	-	-	-
85.3	79.1*	81.4*	-	-	-	91.9	55.6*	58.4*	-	-	-
91.9	78.5*	80.5*	-	-	-	98.4	55.3*	57.5*	-	-	-
98.4	80.0	81.6	-	-	-	111.5	55.6	57.3	-	-	-
111.5	75.6*	80.2	-	-	-	124.7	55.1	56.0	-	-	-
124.7	66.8*	78.5	-	-	-	137.8	52.5*	54.9	-	-	-
137.8	59.3*	76.3	-	-	-	150.9	48.1*	53.8	-	-	-
150.9	53.1*	73.9	-	-	-	164.0	42.8*	52.2	-	-	-
164.0	47.8*	71.4	-	-	-	177.2	38.4*	50.9	-	-	-
177.2	43.0*	68.8	74.7	-	-	190.3	34.4*	49.4	51.4	-	-
190.3	39.0*	66.4	74.5	-	-	203.4	30.9*	47.8	51.4	-	-
203.4	35.3*	63.7	73.9	-	-	216.5	27.8*	46.5	51.4	-	-
216.5	32.0*	60.8	72.5	-	-	229.7	24.9*	44.5	50.9	-	-
229.7	28.7*	58.2	70.5	-	-	242.8	22.5*	42.8	50.0	-	-
242.8	25.6*	55.6	68.8	-	-	255.9	20.1*	41.0	49.2	-	-
255.9	19.6	52.9	66.6	61.9	-	269.0	17.9*	39.0	48.1	43.0	-
269.0	-	-	63.9	60.2	-	282.2	15.4*	37.3	47.0	43.0	-
282.2	-	-	61.3	56.2	-	295.3	-	-	45.4	43.0	-
295.3	-	-	58.6	52.7	-	308.4	-	-	44.1	43.0	-
308.4	-	-	-	49.4	-	321.5	-	-	42.5	43.0	-
321.5	-	-	-	46.5	39.2	334.6	-	-	41.2	41.4	-
334.6	-	-	-	43.9	36.6	347.8	-	-	-	39.0	30.9
347.8	-	-	-	-	34.0	360.9	-	-	-	36.6	28.4
360.9	-	-	-	-	31.7	374.0	-	-	-	34.4	26.2
374.0	-	-	-	-	-	387.1	-	-	-	-	24.3
387.1	-	-	-	-	22.3	400.3	-	-	-	-	22.5
400.3	-	-	-	-	20.5	413.4	-	-	-	-	13.7
					19.0	426.5	-	-	-	-	12.3
						439.6	-	-	-	-	11.0

255.9 ft + 78.7 ft						255.9 ft + 118.1 ft					
0 lb - 529,200 lb						0 lb - 529,200 lb					
87°/85° 87°/85° 75° 65° 55° 45°						87°/85° 87°/85° 75° 65° 55° 45°					
ft						ft					
1,000 lb						1,000 lb					
42.7	211.0*	219.4*	-	-	-	52.5	158.3*	165.6*	-	-	-
45.9	211.0*	219.4*	-	-	-	59.1	156.7*	163.4*	-	-	-
52.5	196.9*	212.7*	-	-	-	65.6	151.2*	164.5	-	-	-
59.1	178.6*	217.4	-	-	-	72.2	139.3*	162.5	-	-	-
65.6	163.4*	210.8	-	-	-	78.7	129.0*	158.5	-	-	-
72.2	150.6*	203.5	-	-	-	85.3	119.9*	154.3	-	-	-
78.7	139.6*	196.2	-	-	-	91.9	112.0*	149.7	-	-	-
85.3	129.9*	188.9	-	-	-	98.4	104.9*	145.1	-	-	-
91.9	121.7*	181.9	-	-	-	111.5	93.0*	135.8	-	-	-
98.4	107.6	174.6	-	-	-	124.7	83.3*	127.2	-	-	-
105.0	101.6	167.6	-	-	-	131.2	77.8*	122.8	147.0	-	-
111.5	-	-	194.0	-	-	137.8	68.8	118.4	145.1	-	-
124.7	-	-	187.2	-	-	144.4	64.6	114.0	141.3	-	-
137.8	-	-	171.5	-	-	150.9	-	-	136.7	-	-
144.4	-	-	162.9	-	-	164.0	-	-	127.4	-	-
164.0	-	-	-	127.9	-	177.2	-	-	117.5	-	-
177.2	-	-	-	116.6	-	190.3	-	-	-	103.2	-
190.3	-	-	-	106.9	-	203.4	-	-	-	95.0	-
216.5	-	-	-	-	82.5	216.5	-	-	-	88.0	-
229.7	-	-	-	-	76.7	229.7	-	-	-	81.8	-
						242.8	-	-	-	-	67.5
						255.9	-	-	-	-	63.1
						269.0	-	-	-	-	59.1

0 lb	88,200 lb	176,400 lb
264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

# Operation

SWSL

 352,800 lb +  88,200 lb  29.5-49.2 ft  23.8 ft  32.2 ft/s  360°  ASME B30.5

 255.9 ft +  157.5 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
62.3	119.7*	125.7*	-	-	-	-
65.6	119.7*	125.7*	-	-	-	-
72.2	117.5*	123.0*	-	-	-	-
78.7	115.3*	125.4	-	-	-	-
85.3	110.9*	122.8	-	-	-	-
91.9	103.6*	120.4	-	-	-	-
98.4	96.8*	117.7	-	-	-	-
111.5	85.5*	112.0	-	-	-	-
124.7	76.3*	106.3	-	-	-	-
137.8	68.6*	100.3	-	-	-	-
144.4	65.3*	97.7	112.0	-	-	-
150.9	62.2*	94.8	112.0	-	-	-
164.0	55.3*	89.3	107.6	-	-	-
177.2	46.3	84.0	102.3	-	-	-
190.3	-	-	96.6	-	-	-
203.4	-	-	90.4	-	-	-
216.5	-	-	84.0	84.0	-	-
229.7	-	-	-	78.0	-	-
242.8	-	-	-	72.5	-	-
255.9	-	-	-	67.7	-	-
269.0	-	-	-	-	55.3	-
282.2	-	-	-	-	51.8	-
295.3	-	-	-	-	48.7	-
321.5	-	-	-	-	-	35.1
334.6	-	-	-	-	-	32.8

 255.9 ft +  236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
78.7	67.7*	72.3*	-	-	-	-
85.3	67.7*	71.9*	-	-	-	-
91.9	66.8*	70.8*	-	-	-	-
98.4	67.5	71.2	-	-	-	-
111.5	66.6	69.7	-	-	-	-
124.7	62.2*	67.7	-	-	-	-
137.8	57.1*	65.5	-	-	-	-
150.9	51.1*	62.8	-	-	-	-
164.0	45.9*	60.4	-	-	-	-
177.2	41.2*	58.0	61.3	-	-	-
190.3	37.3*	55.3	61.1	-	-	-
203.4	34.0*	52.9	59.7	-	-	-
216.5	30.9*	50.5	58.0	-	-	-
229.7	28.0*	48.1	55.8	-	-	-
242.8	24.9*	45.6	53.4	-	-	-
255.9	18.7	43.2	51.1	49.6	-	-
269.0	-	-	48.3	49.4	-	-
282.2	-	-	45.4	47.8	-	-
295.3	-	-	42.5	45.9	-	-
308.4	-	-	-	43.9	-	-
321.5	-	-	-	41.2	-	-
334.6	-	-	-	38.6	32.6	-
347.8	-	-	-	-	30.2	-
360.9	-	-	-	-	28.0	-
374.0	-	-	-	-	26.0	-
387.1	-	-	-	-	-	16.3
400.3	-	-	-	-	-	14.8
413.4	-	-	-	-	-	13.4

 255.9 ft +  196.9 ft

ft	1,000 lb					
	72.2	89.9*	95.9*	-	-	-
78.7	89.3*	94.4*	-	-	-	-
85.3	89.3	94.8	-	-	-	-
91.9	89.3	94.1	-	-	-	-
98.4	85.1*	92.6	-	-	-	-
111.5	78.7*	89.3	-	-	-	-
124.7	69.9*	85.8	-	-	-	-
137.8	62.6*	82.0	-	-	-	-
150.9	56.2*	78.3	-	-	-	-
164.0	50.9*	74.5	83.6	-	-	-
177.2	46.3*	70.8	82.7	-	-	-
190.3	42.1*	67.2	79.8	-	-	-
203.4	38.1*	63.5	76.3	-	-	-
216.5	31.1	59.7	72.8	-	-	-
229.7	-	-	68.8	-	-	-
242.8	-	-	64.6	66.4	-	-
255.9	-	-	60.4	63.9	-	-
269.0	-	-	-	60.6	-	-
282.2	-	-	-	56.7	-	-
295.3	-	-	-	53.1	-	-
308.4	-	-	-	-	42.5	-
321.5	-	-	-	-	39.7	-
334.6	-	-	-	-	37.0	-
360.9	-	-	-	-	-	24.3
374.0	-	-	-	-	-	22.5

 255.9 ft +  275.6 ft

ft	1,000 lb					
	91.9	48.7*	52.2*	-	-	-
98.4	48.5*	51.6*	-	-	-	-
111.5	48.5	51.4	-	-	-	-
124.7	47.6	50.3	-	-	-	-
137.8	46.7	48.9	-	-	-	-
150.9	43.2*	47.2	-	-	-	-
164.0	41.0*	45.6	-	-	-	-
177.2	36.6*	43.9	-	-	-	-
190.3	32.8*	42.3	-	-	-	-
203.4	29.3*	40.8	43.7	-	-	-
216.5	26.2*	39.2	43.2	-	-	-
229.7	23.6*	37.5	42.3	-	-	-
242.8	21.2*	35.7	41.0	-	-	-
255.9	19.0*	34.0	39.7	-	-	-
269.0	17.0*	32.4	38.4	-	-	-
282.2	15.0*	30.6	36.8	34.4	-	-
295.3	9.9	28.9	35.1	34.4	-	-
308.4	-	-	33.3	34.0	-	-
321.5	-	-	31.5	32.8	-	-
334.6	-	-	29.8	31.7	-	-
347.8	-	-	-	30.2	-	-
360.9	-	-	-	28.4	24.7	-
374.0	-	-	-	26.7	22.7	-
387.1	-	-	-	-	20.7	-
400.3	-	-	-	-	19.2	-
413.4	-	-	-	-	17.4	-
426.5	-	-	-	-	-	8.6
439.6	-	-	-	-	-	7.3
452.8	-	-	-	-	-	6.2

	0 lb	88,200 lb	176,400 lb
	264,600 lb	308,700 lb	352,800 lb

For explanations see page 83

# Operation

 352,800 lb +  88,200 lb  29.5-49.2 ft  23.8 ft  32.2 ft/s  360° ASME B30.5

**275.6 ft + 78.7 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
45.9	180.8*	191.8*	-	-	-	-
52.5	178.6*	186.3*	-	-	-	-
59.1	171.3*	189.8	-	-	-	-
65.6	157.0*	184.1	-	-	-	-
72.2	144.6*	178.1	-	-	-	-
78.7	134.3*	172.0	-	-	-	-
85.3	125.2*	165.8	-	-	-	-
91.9	117.3*	160.1	-	-	-	-
98.4	110.7*	154.5	-	-	-	-
105.0	97.0	148.8	-	-	-	-
118.1	-	-	166.9	-	-	-
124.7	-	-	164.0	-	-	-
137.8	-	-	150.6	-	-	-
150.9	-	-	136.2	-	-	-
177.2	-	-	-	112.0	-	-
190.3	-	-	-	102.7	-	-
229.7	-	-	-	-	72.1	-
242.8	-	-	-	-	67.2	-

**275.6 ft + 157.5 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
62.3	104.9*	111.3*	-	-	-	-
65.6	104.9*	111.3*	-	-	-	-
72.2	104.1*	108.9*	-	-	-	-
78.7	104.1	110.0	-	-	-	-
85.3	99.6*	108.9	-	-	-	-
91.9	97.2*	106.5	-	-	-	-
98.4	93.0*	104.1	-	-	-	-
111.5	82.2*	99.0	-	-	-	-
124.7	73.4*	93.7	-	-	-	-
137.8	65.9*	88.6	-	-	-	-
150.9	59.7*	83.8	94.8	-	-	-
164.0	54.5*	78.9	92.6	-	-	-
177.2	45.2	74.1	87.7	-	-	-
190.3	-	-	82.5	-	-	-
203.4	-	-	76.9	-	-	-
216.5	-	-	71.4	-	-	-
229.7	-	-	65.7	70.1	-	-
242.8	-	-	-	65.7	-	-
255.9	-	-	-	61.1	-	-
269.0	-	-	-	56.2	-	-
282.2	-	-	-	-	47.8	-
295.3	-	-	-	-	44.8	-
308.4	-	-	-	-	41.9	-
334.6	-	-	-	-	-	27.3
347.8	-	-	-	-	-	25.4

**275.6 ft + 118.1 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
52.5	137.3*	145.5*	-	-	-	-
59.1	137.3*	143.7*	-	-	-	-
65.6	136.0	144.8	-	-	-	-
72.2	131.2*	143.1	-	-	-	-
78.7	123.9*	139.6	-	-	-	-
85.3	115.3*	135.6	-	-	-	-
91.9	107.8*	131.6	-	-	-	-
98.4	101.0*	127.6	-	-	-	-
111.5	89.7*	119.7	-	-	-	-
124.7	80.5*	112.2	-	-	-	-
131.2	76.5*	108.7	-	-	-	-
137.8	67.2	104.9	124.6	-	-	-
144.4	63.3	101.2	122.8	-	-	-
150.9	-	-	119.0	-	-	-
164.0	-	-	110.7	-	-	-
177.2	-	-	102.1	-	-	-
190.3	-	-	93.0	-	-	-
203.4	-	-	-	90.8	-	-
216.5	-	-	-	84.0	-	-
229.7	-	-	-	78.0	-	-
255.9	-	-	-	-	58.6	-
269.0	-	-	-	-	54.9	-

**275.6 ft + 196.9 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
72.2	78.9*	84.9*	-	-	-	-
78.7	78.9*	84.0*	-	-	-	-
85.3	77.6*	82.2*	-	-	-	-
91.9	78.5	83.8	-	-	-	-
98.4	77.8	82.5	-	-	-	-
111.5	71.9*	79.1	-	-	-	-
124.7	67.2*	75.8	-	-	-	-
137.8	60.0*	72.3	-	-	-	-
150.9	54.0*	68.8	-	-	-	-
164.0	48.7*	65.5	-	-	-	-
177.2	44.3*	61.9	71.2	-	-	-
190.3	40.3*	58.6	68.8	-	-	-
203.4	37.0*	55.1	65.5	-	-	-
216.5	29.8	51.8	61.9	-	-	-
229.7	-	-	58.4	-	-	-
242.8	-	-	54.5	53.1	-	-
255.9	-	-	50.7	52.5	-	-
269.0	-	-	46.7	49.4	-	-
282.2	-	-	-	46.3	-	-
295.3	-	-	-	43.0	-	-
308.4	-	-	-	39.7	37.5	-
321.5	-	-	-	-	34.8	-
334.6	-	-	-	-	32.4	-
347.8	-	-	-	-	30.2	-
374.0	-	-	-	-	-	17.4
387.1	-	-	-	-	-	16.1

	0 lb	88,200 lb	176,400 lb
	264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

 352,800 lb + 
  88,200 lb 
  29.5-49.2 ft 
  23.8 ft 
  32.2 ft/s 
 360° ASME B30.5

275.6 ft + 236.2 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
78.7	58.2*	63.5*	-	-	-	-
85.3	58.2*	63.5*	-	-	-	-
91.9	57.8*	62.4*	-	-	-	-
98.4	57.5	62.4	-	-	-	-
111.5	57.1	61.1	-	-	-	-
124.7	55.6	59.1	-	-	-	-
137.8	50.7*	56.9	-	-	-	-
150.9	48.3*	54.5	-	-	-	-
164.0	43.9*	51.8	-	-	-	-
177.2	39.5*	49.4	-	-	-	-
190.3	35.5*	46.7	52.0	-	-	-
203.4	32.2*	44.5	51.1	-	-	-
216.5	29.1*	42.3	49.4	-	-	-
229.7	26.5*	39.9	47.0	-	-	-
242.8	24.0*	37.7	44.8	-	-	-
255.9	17.9	35.5	42.3	-	-	-
269.0	-	-	39.7	39.0	-	-
282.2	-	-	37.0	38.4	-	-
295.3	-	-	34.4	36.4	-	-
308.4	-	-	-	34.2	-	-
321.5	-	-	-	32.2	-	-
334.6	-	-	-	29.5	-	-
347.8	-	-	-	27.1	25.8	-
360.9	-	-	-	-	23.6	-
374.0	-	-	-	-	21.8	-
387.1	-	-	-	-	20.1	-
400.3	-	-	-	-	-	9.9
413.4	-	-	-	-	-	8.8
426.5	-	-	-	-	-	7.7

275.6 ft + 275.6 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
91.9	42.5*	46.1*	-	-	-	-
98.4	42.5*	45.6*	-	-	-	-
111.5	41.9	45.0	-	-	-	-
124.7	41.4	44.1	-	-	-	-
137.8	40.3	43.0	-	-	-	-
150.9	38.6	41.2	-	-	-	-
164.0	35.3*	39.5	-	-	-	-
177.2	33.7*	37.7	-	-	-	-
190.3	30.9*	35.9	-	-	-	-
203.4	27.6*	34.2	36.6	-	-	-
216.5	24.7*	32.4	36.2	-	-	-
229.7	22.0*	30.9	35.3	-	-	-
242.8	19.6*	29.3	34.0	-	-	-
255.9	17.6*	27.8	32.6	-	-	-
269.0	15.7*	26.2	31.1	-	-	-
282.2	13.9*	24.7	29.8	-	-	-
295.3	9.0	23.1	28.2	26.5	-	-
308.4	-	-	26.5	26.0	-	-
321.5	-	-	24.7	25.1	-	-
334.6	-	-	22.9	23.8	-	-
347.8	-	-	-	22.3	-	-
360.9	-	-	-	20.5	-	-
374.0	-	-	-	18.7	16.3	-
387.1	-	-	-	17.2	15.7	-
400.3	-	-	-	-	14.6	-
413.4	-	-	-	-	13.2	-
426.5	-	-	-	-	11.7	-

295.3 ft + 78.7 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
45.9	147.3*	164.0*	-	-	-	-
52.5	145.1*	159.6*	-	-	-	-
59.1	144.0	160.5	-	-	-	-
65.6	140.7	158.5	-	-	-	-
72.2	129.6	153.9	-	-	-	-
78.7	124.3*	149.0	-	-	-	-
85.3	119.0*	144.4	-	-	-	-
91.9	113.1*	139.8	-	-	-	-
98.4	106.7*	135.6	-	-	-	-
105.0	92.8	131.4	-	-	-	-
124.7	-	-	149.7	-	-	-
137.8	-	-	144.2	-	-	-
150.9	-	-	135.8	-	-	-
157.5	-	-	131.0	-	-	-
190.3	-	-	-	98.8	-	-
203.4	-	-	-	91.1	-	-

295.3 ft + 118.1 ft

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
	1,000 lb					
55.8	110.7*	124.1*	-	-	-	-
59.1	110.7*	122.6*	-	-	-	-
65.6	107.6*	119.5*	-	-	-	-
72.2	109.1	122.1	-	-	-	-
78.7	107.6	119.3	-	-	-	-
85.3	102.7	116.2	-	-	-	-
91.9	95.9	113.1	-	-	-	-
98.4	90.6*	110.0	-	-	-	-
111.5	84.0*	103.6	-	-	-	-
124.7	77.6*	97.9	-	-	-	-
131.2	73.9*	95.2	-	-	-	-
137.8	64.4	92.4	111.8	-	-	-
144.4	61.5	89.7	111.8	-	-	-
150.9	-	-	109.8	-	-	-
164.0	-	-	104.9	-	-	-
177.2	-	-	99.6	-	-	-
190.3	-	-	93.5	-	-	-
203.4	-	-	-	82.2	-	-
216.5	-	-	-	80.5	-	-
229.7	-	-	-	74.5	-	-
242.8	-	-	-	69.4	-	-
269.0	-	-	-	-	50.7	-
282.2	-	-	-	-	47.6	-

	0 lb	88,200 lb	176,400 lb
	264,600 lb	308,700 lb	352,800 lb

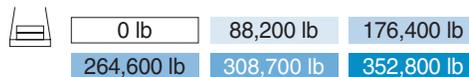
\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

352,800 lb + 88,200 lb		29.5-49.2 ft		23.8 ft		32.2 ft/s		360°		ASME B30.5					
295.3 ft + 157.5 ft		0 lb		0 lb - 529,200 lb						295.3 ft + 236.2 ft					
ft		87°/85°	87°/85°	75°	65°	55°	45°	ft		87°/85°	87°/85°	75°	65°	55°	45°
1,000 lb															
62.3	83.1*	94.4*	-	-	-	-	-	85.3	44.8*	53.1*	-	-	-	-	-
65.6	83.1*	94.4*	-	-	-	-	-	91.9	44.3*	52.0*	-	-	-	-	-
72.2	82.2*	92.4*	-	-	-	-	-	98.4	43.9	51.6	-	-	-	-	-
78.7	82.2	93.0	-	-	-	-	-	111.5	43.4	50.7	-	-	-	-	-
85.3	82.2	92.2	-	-	-	-	-	124.7	41.7	48.7	-	-	-	-	-
91.9	80.5	90.2	-	-	-	-	-	137.8	39.5	46.7	-	-	-	-	-
98.4	78.5	88.2	-	-	-	-	-	150.9	37.5	44.8	-	-	-	-	-
111.5	72.3	84.0	-	-	-	-	-	164.0	35.3	42.8	-	-	-	-	-
124.7	64.4	80.0	-	-	-	-	-	177.2	32.8	40.8	-	-	-	-	-
137.8	59.7*	75.8	-	-	-	-	-	190.3	29.3	38.8	44.8	-	-	-	-
150.9	55.8*	72.1	-	-	-	-	-	203.4	26.2	36.8	44.3	-	-	-	-
157.5	53.6*	70.1	85.1	-	-	-	-	216.5	24.5*	35.1	43.2	-	-	-	-
164.0	51.6*	68.3	84.4	-	-	-	-	229.7	22.5*	33.3	41.9	-	-	-	-
177.2	43.0	64.6	82.0	-	-	-	-	242.8	20.7*	31.5	40.3	-	-	-	-
190.3	-	-	78.7	-	-	-	-	255.9	16.8	29.8	38.8	-	-	-	-
203.4	-	-	75.4	-	-	-	-	269.0	-	-	37.3	-	-	-	-
216.5	-	-	71.4	-	-	-	-	282.2	-	-	35.5	37.0	-	-	-
229.7	-	-	67.5	67.2	-	-	-	295.3	-	-	33.7	36.8	-	-	-
242.8	-	-	-	65.9	-	-	-	308.4	-	-	32.0	35.9	-	-	-
255.9	-	-	-	61.5	-	-	-	321.5	-	-	-	35.1	-	-	-
269.0	-	-	-	57.3	-	-	-	334.6	-	-	-	34.0	-	-	-
282.2	-	-	-	53.8	-	-	-	347.8	-	-	-	32.4	21.6	-	-
295.3	-	-	-	-	40.1	-	-	360.9	-	-	-	30.9	19.6	-	-
308.4	-	-	-	-	37.3	-	-	374.0	-	-	-	-	17.9	-	-
321.5	-	-	-	-	34.6	-	-	387.1	-	-	-	-	16.3	-	-
								400.3	-	-	-	-	15.0	-	-

295.3 ft + 196.9 ft		0 lb		0 lb - 529,200 lb					
ft		87°/85°	87°/85°	75°	65°	55°	45°	ft	
1,000 lb									
72.2	62.6*	71.7*	-	-	-	-	-		
78.7	62.6*	71.0*	-	-	-	-	-		
85.3	61.3*	69.7*	-	-	-	-	-		
91.9	61.7	70.3	-	-	-	-	-		
98.4	61.7	69.7	-	-	-	-	-		
111.5	59.3	67.2	-	-	-	-	-		
124.7	56.2	64.2	-	-	-	-	-		
137.8	51.8	61.3	-	-	-	-	-		
150.9	46.3	58.4	-	-	-	-	-		
164.0	42.8*	55.6	-	-	-	-	-		
177.2	39.9*	52.9	61.7	-	-	-	-		
190.3	37.0*	50.5	60.6	-	-	-	-		
203.4	34.2*	47.8	58.6	-	-	-	-		
216.5	28.2	45.4	56.4	-	-	-	-		
229.7	-	-	54.2	-	-	-	-		
242.8	-	-	51.8	-	-	-	-		
255.9	-	-	49.2	52.9	-	-	-		
269.0	-	-	46.5	52.5	-	-	-		
282.2	-	-	-	50.9	-	-	-		
295.3	-	-	-	47.6	-	-	-		
308.4	-	-	-	44.8	-	-	-		
321.5	-	-	-	42.1	30.4	-	-		
334.6	-	-	-	-	28.2	-	-		
347.8	-	-	-	-	26.0	-	-		
360.9	-	-	-	-	24.3	-	-		
387.1	-	-	-	-	-	11.5	-		
400.3	-	-	-	-	-	10.4	-		

315.0 ft + 78.7 ft		0 lb		0 lb - 529,200 lb					
ft		87°/85°	87°/85°	75°	65°	55°	45°	ft	
1,000 lb									
45.9	127.9*	143.5*	-	-	-	-	-		
52.5	127.9*	141.8*	-	-	-	-	-		
59.1	128.8	143.3	-	-	-	-	-		
65.6	128.8	141.8	-	-	-	-	-		
72.2	123.2	138.2	-	-	-	-	-		
78.7	114.4	134.7	-	-	-	-	-		
85.3	106.9*	131.0	-	-	-	-	-		
91.9	103.0*	127.4	-	-	-	-	-		
98.4	98.8*	124.8	-	-	-	-	-		
111.5	83.8	119.0	-	-	-	-	-		
131.2	-	-	138.5	-	-	-	-		
137.8	-	-	137.1	-	-	-	-		
150.9	-	-	131.4	-	-	-	-		
164.0	-	-	125.9	-	-	-	-		
190.3	-	-	-	90.4	-	-	-		
203.4	-	-	-	86.6	-	-	-		
216.5	-	-	-	80.2	-	-	-		



\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1

352,800 lb + 88,200 lb   
 29.5-49.2 ft   
 23.8 ft   
 32.2 ft/s   
 360°   
 ASME B30.5

**315.0 ft + 118.1 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
55.8	95.9*	109.6*	-	-	-	-
59.1	95.9*	109.6*	-	-	-	-
65.6	94.6*	107.1*	-	-	-	-
72.2	95.9	109.8	-	-	-	-
78.7	95.9	107.6	-	-	-	-
85.3	93.5	105.2	-	-	-	-
91.9	90.8	102.7	-	-	-	-
98.4	85.3	100.1	-	-	-	-
111.5	75.6	95.0	-	-	-	-
124.7	69.9*	90.8	-	-	-	-
137.8	64.8*	87.1	-	-	-	-
144.4	58.2	85.1	104.5	-	-	-
150.9	-	-	104.5	-	-	-
164.0	-	-	101.9	-	-	-
177.2	-	-	98.5	-	-	-
190.3	-	-	95.2	-	-	-
203.4	-	-	92.2	-	-	-
216.5	-	-	-	74.5	-	-
229.7	-	-	-	70.5	-	-
242.8	-	-	-	65.7	-	-
255.9	-	-	-	61.3	-	-
282.2	-	-	-	-	42.1	-
295.3	-	-	-	-	39.2	-

**315.0 ft + 196.9 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
72.2	52.0*	63.1*	-	-	-	-
78.7	52.0*	63.1*	-	-	-	-
85.3	51.6*	61.7*	-	-	-	-
91.9	52.2	62.6	-	-	-	-
98.4	52.2	62.2	-	-	-	-
111.5	50.5	60.0	-	-	-	-
124.7	47.8	57.5	-	-	-	-
137.8	45.2	54.9	-	-	-	-
150.9	42.8	52.5	-	-	-	-
164.0	39.0	50.0	-	-	-	-
177.2	35.3	47.6	58.4	-	-	-
190.3	31.7	45.6	58.2	-	-	-
203.4	28.9	43.4	57.3	-	-	-
216.5	26.2	41.2	55.6	-	-	-
229.7	-	-	54.0	-	-	-
242.8	-	-	52.2	-	-	-
255.9	-	-	50.7	-	-	-
269.0	-	-	48.9	47.0	-	-
282.2	-	-	-	46.3	-	-
295.3	-	-	-	44.3	-	-
308.4	-	-	-	41.2	-	-
321.5	-	-	-	38.4	-	-
334.6	-	-	-	-	23.1	-
347.8	-	-	-	-	21.2	-
360.9	-	-	-	-	19.4	-
374.0	-	-	-	-	17.9	-

**315.0 ft + 157.5 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
65.6	71.7*	83.8*	-	-	-	-
72.2	71.7*	82.9*	-	-	-	-
78.7	69.9*	81.1*	-	-	-	-
85.3	72.1	83.3	-	-	-	-
91.9	71.4	81.8	-	-	-	-
98.4	69.7	80.0	-	-	-	-
111.5	66.1	76.7	-	-	-	-
124.7	60.8	73.2	-	-	-	-
137.8	54.7	69.9	-	-	-	-
150.9	49.6*	66.8	-	-	-	-
164.0	46.3*	64.2	77.8	-	-	-
177.2	40.6	61.3	76.9	-	-	-
190.3	-	-	75.0	-	-	-
203.4	-	-	72.8	-	-	-
216.5	-	-	70.3	-	-	-
229.7	-	-	68.3	-	-	-
242.8	-	-	-	60.4	-	-
255.9	-	-	-	57.8	-	-
269.0	-	-	-	54.0	-	-
282.2	-	-	-	50.5	-	-
308.4	-	-	-	-	32.0	-
321.5	-	-	-	-	29.5	-
334.6	-	-	-	-	27.6	-

**315.0 ft + 236.2 ft**

ft	0 lb - 529,200 lb					
	87°/85°	87°/85°	75°	65°	55°	45°
85.3	37.0*	47.0*	-	-	-	-
91.9	37.0*	46.3*	-	-	-	-
98.4	36.2*	45.4*	-	-	-	-
111.5	37.0	45.6	-	-	-	-
124.7	35.5	44.1	-	-	-	-
137.8	33.7	42.3	-	-	-	-
150.9	32.0	40.6	-	-	-	-
164.0	30.2	38.8	-	-	-	-
177.2	28.4	37.0	-	-	-	-
190.3	26.5	35.1	-	-	-	-
203.4	24.3	33.3	42.1	-	-	-
216.5	21.6	31.5	41.9	-	-	-
229.7	19.2	29.8	41.0	-	-	-
242.8	17.2	28.0	39.9	-	-	-
255.9	15.2	26.2	38.8	-	-	-
269.0	-	-	37.7	-	-	-
282.2	-	-	36.4	35.3	-	-
295.3	-	-	35.3	35.3	-	-
308.4	-	-	34.0	35.1	-	-
321.5	-	-	-	34.2	-	-
334.6	-	-	-	31.7	-	-
347.8	-	-	-	29.3	-	-
360.9	-	-	-	27.1	15.0	-
374.0	-	-	-	-	13.4	-
387.1	-	-	-	-	11.9	-
400.3	-	-	-	-	10.6	-
413.4	-	-	-	-	9.5	-

	0 lb	88,200 lb	176,400 lb
	264,600 lb	308,700 lb	352,800 lb

\* Main boom angle 87°

Main boom angle 87°/85°, 75°, 65°, 55° and 45°, capacities for intermediate boom positions are calculated by the crane control system IC-1



# Notes to Lifting Capacity

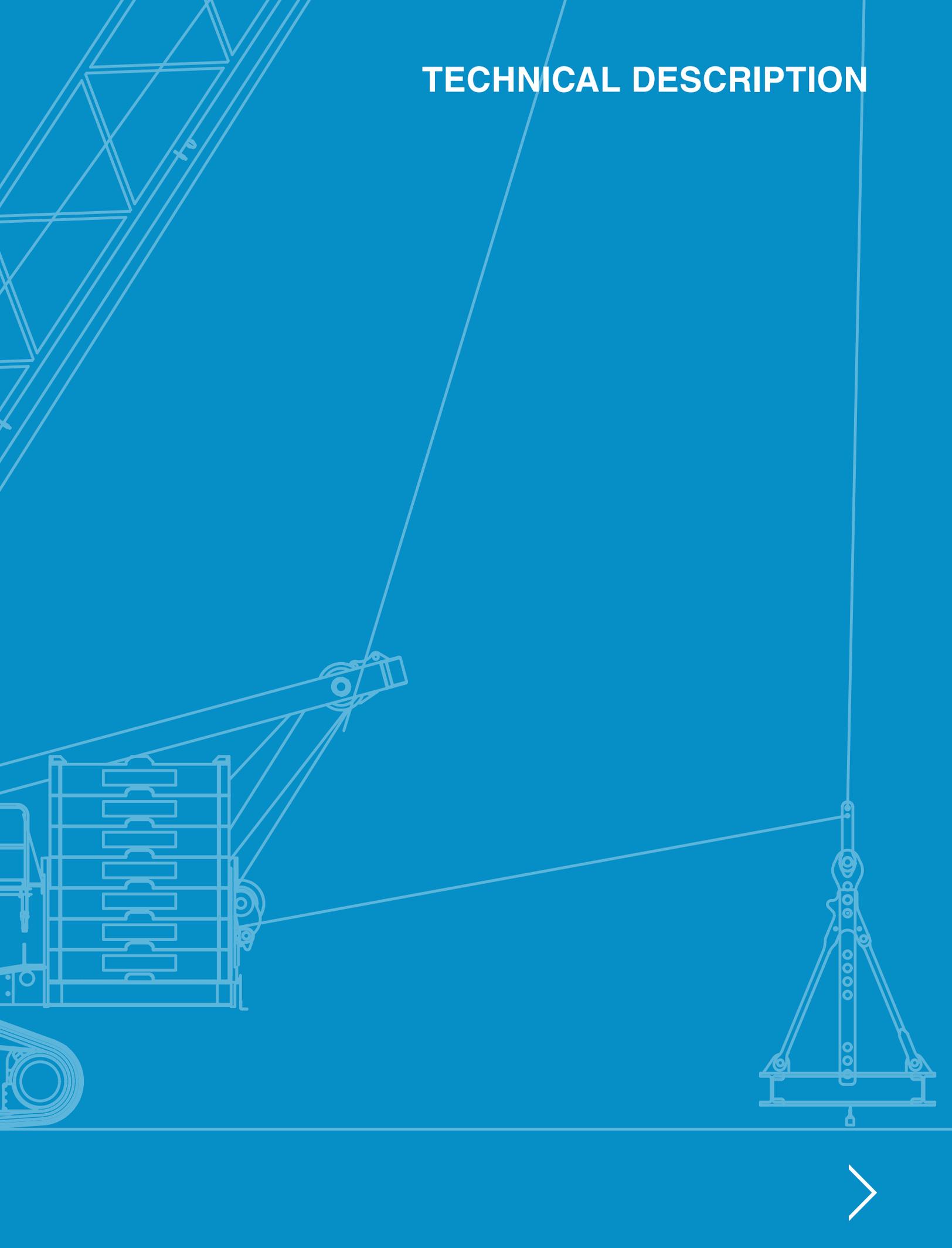
Ratings are in compliance with EN 13000. They do not exceed 75% of tipping load, according to ASME B30.5.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.  
Consult operation manual for further details.

**Note:** Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.  
Crane operation is subject to the computer charts and operation manual both supplied with the crane.

In some instances the superlift counterweight does not lift off the ground with the indicated load.

# TECHNICAL DESCRIPTION



# Technical Description

## Crawler carrier

3-section carrier comprising of carbody and two crawlers. Hydraulic pin connections between crawlers and carbody provide for easy assembly and removal to minimise width and weight for transportation.

<b>Carbody</b>	Bending- and torsion-resistant welded structure of box type construction, fabricated of high-strength fine-grain structural steel.
<b>Crawlers</b>	Side frames: bending-resistant welded structure of high-strength fine-grain structural steel. Track shoes and sprockets are fabricated of heat-treated high-strength cast steel. 14 rollers on each side frame with hardened rolling surfaces. Automatic centralized lubrication is included as standard.
<b>Power train</b>	The tracks are powered by one hydraulic motor each through closed planetary gear reduction units running in oil bath, equipped with spring-applied hydraulically released holding brakes; the gear units are of extremely compact design to fit within the width of the crawlers. Each crawler is infinitely variable controlled, both independently and in opposite direction.

## Superstructure

<b>Counterweight</b>	352,800 lb in combination with 88,200 lb central ballast on carrier.
<b>A-frame</b>	Hydraulic raising system for A-frame as standard.
<b>Frame</b>	Torsion-resistant welded structure fabricated of high-strength fine-grain structural steel. Connected to carrier by triple-row roller bearing slew ring.
<b>Drive EU Stage V / EPA Tier 4f</b>	Mercedes-Benz diesel engine, type OM470LA, 6 cylinder, 280 kW (375 HP) at 1600 1/min, torque 1900 Nm at 1300 1/min. The engine complies with emission standard EU Stage V / EPA Tier 4f. Pump distribution gearbox with six variable displacement axial piston pumps and additional gear pumps. Stainless steel exhaust system with particle filter, SCR catalyzer and spark arrestor certificate. Sound insulation covering. Fuel: 109 gallons, AdBlue: 22.5 gallons.
<b>Rope drums</b>	The standard superstructure equipment includes three rope drums – hoist 1, hoist 2 and boom hoist. The drums are powered by hydraulic motors through closed planetary gear units running in oil bath. All rope drums have spring-applied, hydraulically released multi-disk brakes and non-wearing hydraulic braking for load lowering. Rope ends H 1, 2 and W 1, 2 equipped with quick-connect rope end fittings. Hoist H 1 (and optionally H 2) is removable to minimise weight for transportation.
<b>Reeving winch</b>	Mounted on superstructure.
<b>Slew units</b>	Powered by two hydraulic motors through closed, planetary gear unit running in oil bath. Spring-applied, hydraulically released holding brake and non-wearing hydraulic braking.
<b>Control system</b>	IC-1: Electronic proportional valve pilot control integrated in stored-program control system incl. diagnostics. 2 colour monitors, safe load indicator operated via a touchscreen. Working speeds infinitely variable controlled by the lever position. Automatic power control for optimal utilisation of engine output.
<b>Cabin</b>	Comfortable cab with large windscreen and air-conditioning. Laminated glass all around, roof window, self-contained hot air heater, full instrumentation and crane controls. The cab can be tilted back for improved operator view of boom point. A camera system is installed to monitor the rope drums. For transportation, the cab swings in front of the superstructure to minimise width.
<b>Electrical equipment</b>	24 V d. c. system.

## Optional equipment

<b>Engine ECE R96</b>	<b>Optional for non-regulated markets:</b> Mercedes-Benz diesel engine, type OM470LA, 6 cylinder, 280 kW (375 HP) at 1700 1/min, torque 1900 Nm at 1300 1/min. The engine complies with emission standard ECE R96 (similar to EU Stage III / EPA Tier 3). Stainless steel exhaust system with spark arrestor certificate. Fuel: 109 gallons.
<b>Hydraulic cylinder A-frame</b>	For self-assembly of crawlers.
<b>Sideways outriggers</b>	For erection of long boom systems.
<b>Counterweight carrier</b>	Drive 4 x 2, total weight max. 529,200 lb.
<b>Quick-connection</b>	Hydraulic quick-disconnect fittings on carrier and superstructure facilitate removal to minimise weight for transportation.
<b>Track shoes</b>	Width 4.9 ft.
<b>Heavy-duty head HA</b>	882,000 lb + sheave assembly 882,000 lb, for capacities > 697,000 lb.

# Technical Description

Boom configurations	
<b>SH:</b>	Main boom: foot section 34.5 ft, inserts 39.4 ft and 19.7 ft (type 2721) and tapered insert 39.4 ft, boom head 4.9 ft. Main boom lengths: 78.7-275.6 ft.
<b>SH / LH: (SGL variable)</b>	Main boom: foot section 34.5 ft, inserts 39.4 ft and 19.7 ft (type 2721), tapered insert 39.4 ft, extended by inserts 39.4 ft and 19.7 ft (type 2317), top section 24.6 ft. Main boom lengths: 137.8-354.3 ft.
<b>SH / LH: (SGL_S1)</b>	Main boom: foot section 34.5 ft, inserts 39.4 ft and 19.7 ft (type 2721), extended by additional inserts 39.4 ft (type 2721), tapered insert 39.4 ft, top section 24.6 ft. Main boom lengths: 275.6-334.6 ft.
<b>SW:</b>	Main boom: same as SH. Offset 87° to 65°. Luffing fly jib: foot section 14.8 ft, inserts 39.4 ft and 19.7 ft (type 2317), top section 24.6 ft. Main boom lengths: 98.4-236.2 ft. Fly jib lengths: 78.7-236.2 ft.
<b>SSL:</b>	Main boom: same as SH. Superlift equipment. Main boom lengths: 98.4-315.0 ft.
<b>SSL / LSL: (SGL 231.3 ft)</b>	Main boom: foot section 34.5 ft, inserts 39.4 ft and 19.7 ft (type 2721), tapered insert 39.4 ft, extended by additional inserts 39.4 ft and 19.7 ft (type 2317), top section 24.6 ft. Superlift equipment. Main boom lengths: 255.9-413.4 ft.
<b>SSL / LSL: (SGL_S1)</b>	Main boom: foot section 34.5 ft, inserts 39.4 ft and 19.7 ft (type 2721), extended by additional inserts 39.4 ft (type 2721), tapered insert 39.4 ft, top section 24.6 ft. Superlift equipment. Main boom lengths: 255.9-374.0 ft.
<b>SWSL:</b>	Main boom: same as SH. Offset 87° to 45°. Luffing fly jib: same as SW. Superlift equipment. Main boom lengths: 118.1-315.0 ft. Fly jib lengths: 78.7-275.6 ft.
<b>+LF2:</b>	Addition to SH, SH/LH, SSL or SSL/LSL. Fixed fly jib: foot section 19.7 ft, inserts 39.4 ft (type 1813), top section 19.7 ft. Fly jib lengths: 39.4 ft, 78.7 ft, 118.1 ft. Offset: 10°, 15°, 20° and 30°
<b>Runner</b>	Max. capacity 66,100 lb.
<b>Operator aids</b>	Load moment indicator, hoist limit switch, limit switches for boom movements, hydraulic boom backstops, anemometer.
<b>Hydraulic pinning</b>	The boom sections are prepared for hydraulic pinning.

Superlift combinations	
<b>Standard-SL</b>	Mast 98.4 ft (type 2116), counterweight tray for max. 529,200 lb. Superlift radii 29.5 ft, 36.1 ft, 42.6 ft, 49.2 ft.
<b>Vario-SL</b>	Mast 98.4 ft (type 2116), counterweight tray for max. 529,200 lb. Superlift radius infinitely variable during operation 29.5 ft to 49.2 ft.
<b>Tele-SL</b>	Mast 98.4 ft (type 2116), counterweight carrier for max. 529,200 lb. Superlift radius infinitely variable during operation 36.1 ft to 49.2 ft.

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