



SUPERLIFT 3800

715 USt capacity
Lattice Boom Crawler Crane
Datasheet
imperial



SUPERLIFT 3800

WORKS FOR YOU.™

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Track



Counterweight + central ballast (ZB)



Superlift counterweight



Superlift radius



Possible load of hook block



Weight of hook block



Load radius



Main boom



Fly jib



Main boom angle



Fly jib angle



Wind speed in ft/s (feet per second)



Track shoe width

„D“



S: heavy

L: light

H: Main boom

W: Luffing fly jib

F: Fixed fly jib

SL: Superlift

V: Vessellift



Central ballast

HIGHLIGHTS

SUPERLIFT 3800

- ▶ 715 USt at 39.4 ft radius
- ▶ Load moment of 60.945 ft-kips
- ▶ Erection of wind turbines up to 383.9 ft hub height without superlift
- ▶ Erection of main boom 374.0 ft with 39.4 ft LF and hook block mounted: without superlift mast and without assist crane
- ▶ Erection of wind turbines up to 511.8 ft hub height with superlift
- ▶ Best in class ergonomics for operator
- ▶ Suitable for worldwide operation



Working speeds (infinitely variable)

Mechanism		Rope ø	Speeds ¹⁾	Single line pull	Length of hoist rope
Hoist I+II	(H1+H2)	28 mm	max. 426.5 ft / min	40.500 lbf	3281 ft
Hoist III	(H3)	28 mm	max. 262.5 ft / min	40.500 lbf	2133 ft
Boom derricking	(W2)	28 mm	max. 426.5 ft / min		
Boom hoist	(E)	28 mm	max. 410.1 ft / min		
Jib luffing	(W1)	28 mm	max. 393.7 ft / min		
Slewing (rpm)			0 - 1		

¹⁾ top layer

Carrier performance

Travel speed	max. 0.68 mph
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Hook block system

Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 325	1433,000 lb	4 x 5	2 x 20	22,270 lb – 29,110 lb	18.4 ft
	838,000 lb	1 x 10	1 x 21	16,100 lb – 24,920 lb (8,380 lb – 24,260 lb*)	18.4 ft (16.1 ft*)
2 x 190	838,000 lb	2 x 5	2 x 11	16,100 lb – 24,920 lb (8,380 lb – 24,260 lb*)	18.4 ft (16.1 ft*)
	419,000 lb	1 x 5	1 x 11	13,670 lb (5,950 lb – 10,580 lb*)	18.4 ft (17.1 ft*)

* with optional equipment 882,000 lb hook

Hook block

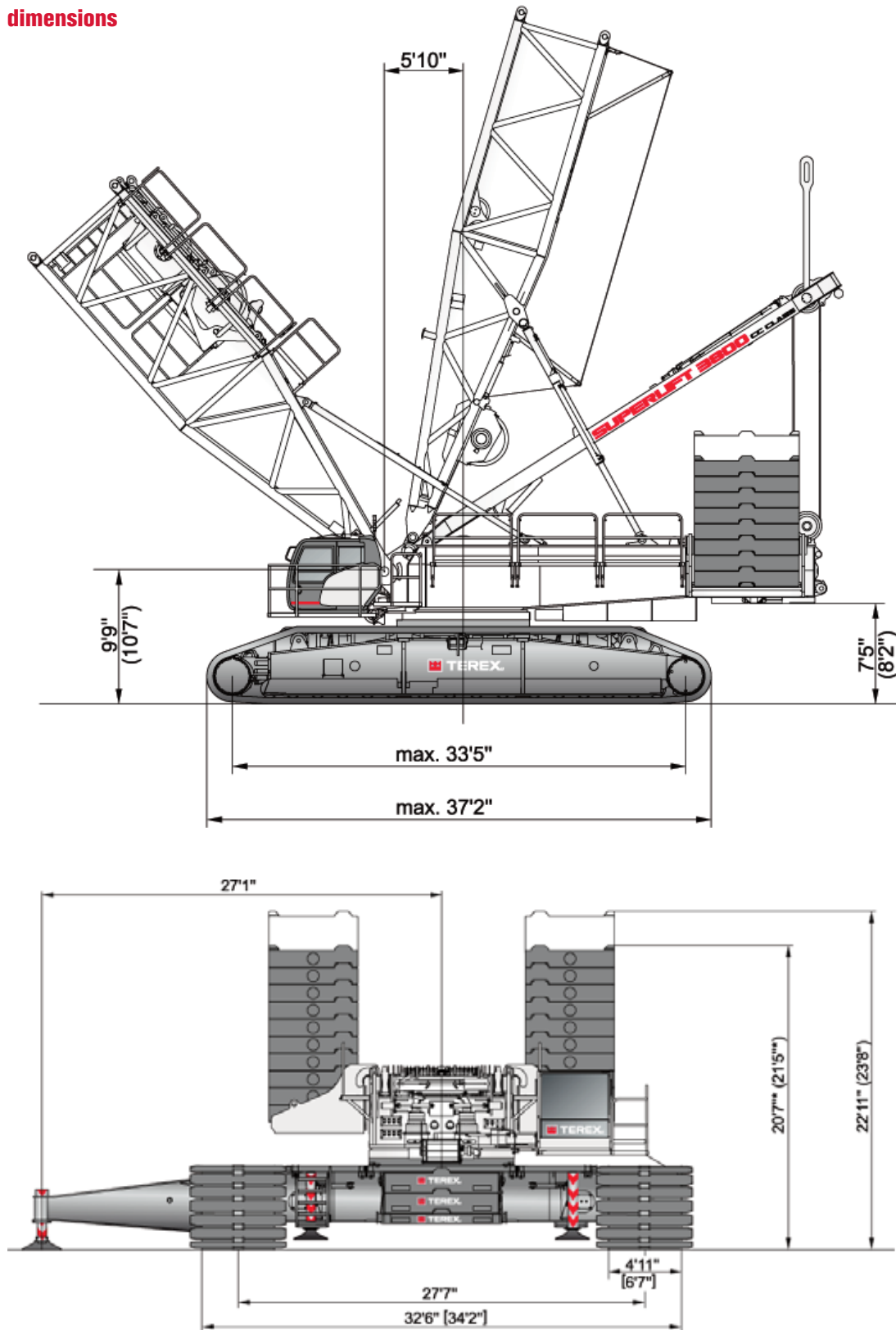
Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
125	272,300 lb	3	1 x 7	4,000 lb – 11,250 lb	15.1 ft
54	119,000 lb	1	1 x 3	2,430 lb – 7,280 lb	15.1 ft
18*	39,700 lb	–	1 x 1	2,430 lb	12.5 ft

* Single line hook

SPECIFICATIONS

SUPERLIFT 3800

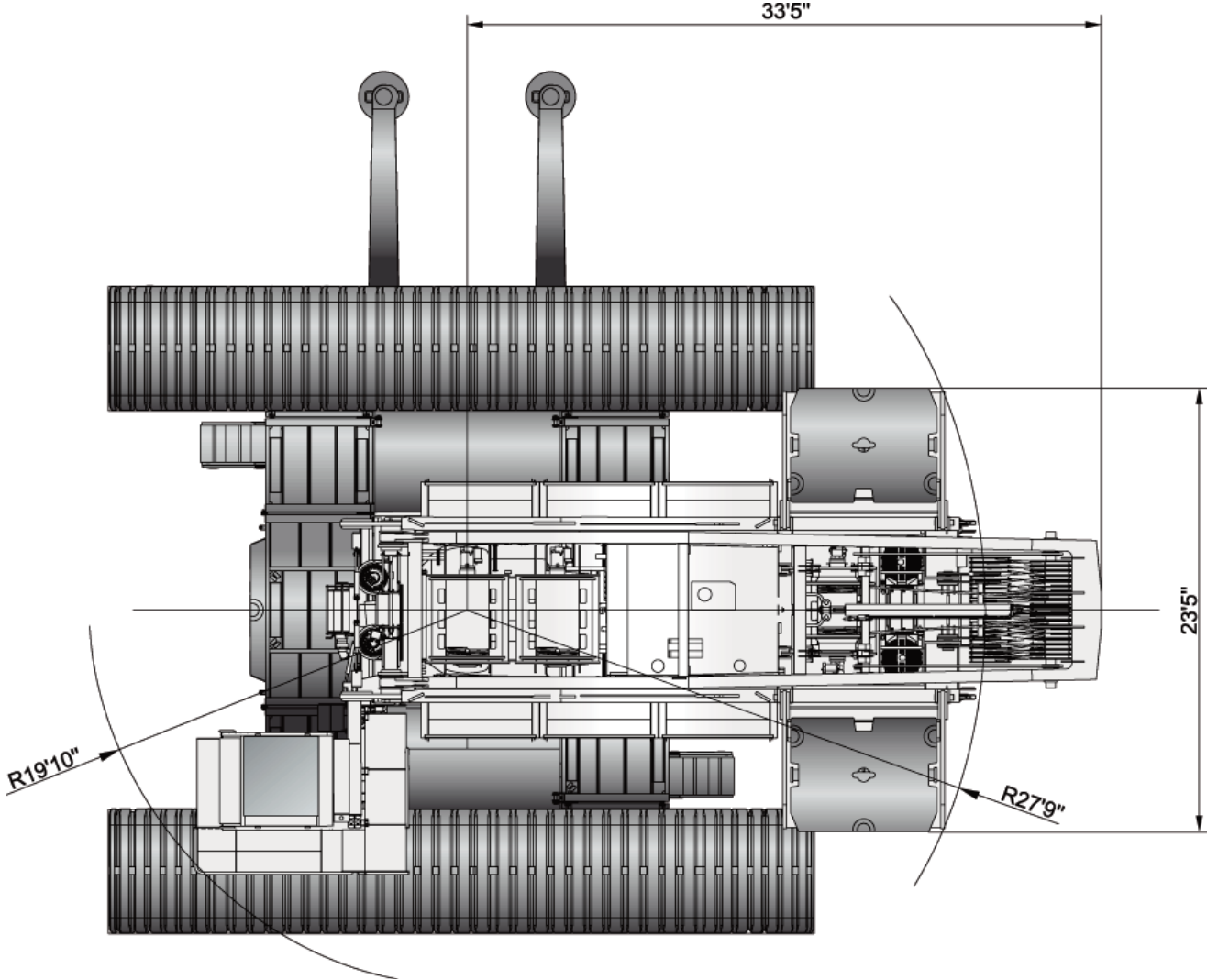
Basic crane dimensions



() with optional quick-connection [] Option * Optional cast iron

SPECIFICATIONS

SUPERLIFT 3800

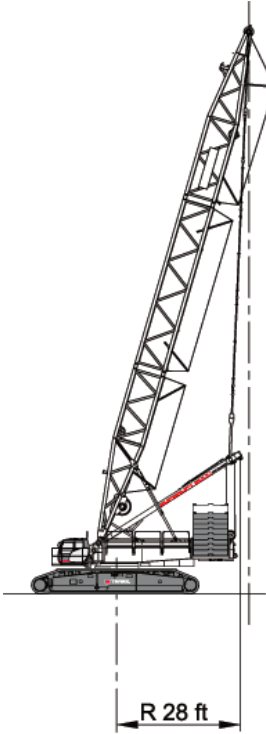


SUPERLIFT CONFIGURATIONS

SUPERLIFT 3800

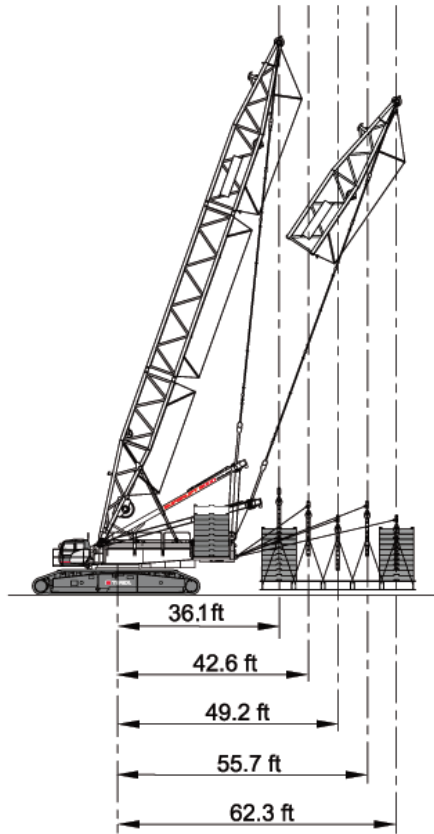
SL 0 lb 29.5 ft

R 29.5 ft



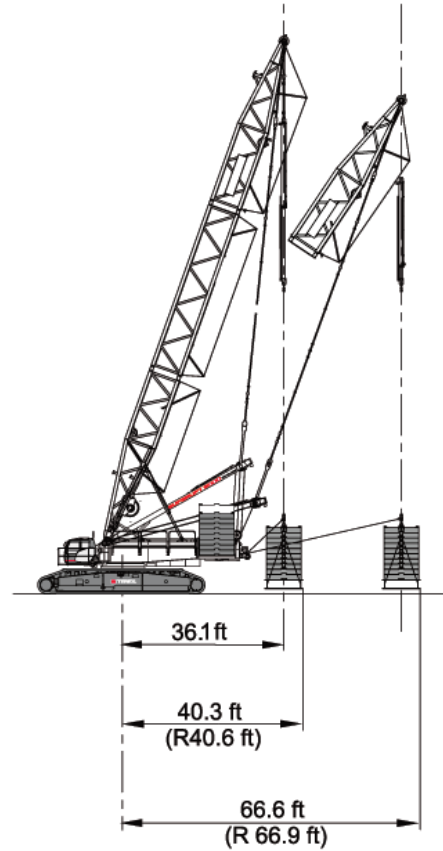
Standard-SL

R 37.7 50.8 64 ft
44.3 57.4



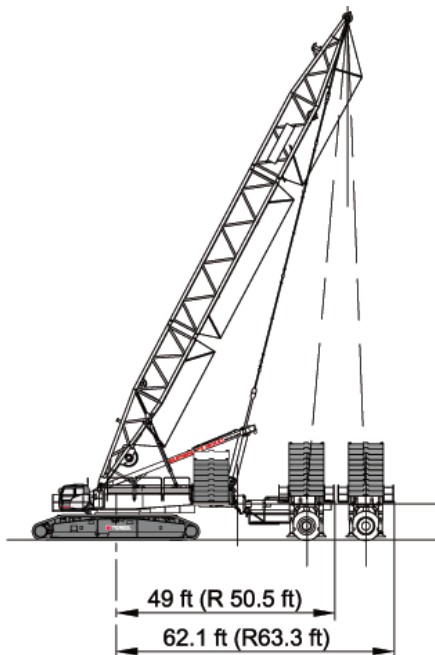
Vario-SL 36.1-62.3 ft

R 37.7 - 64 ft



42.6-55.7 ft

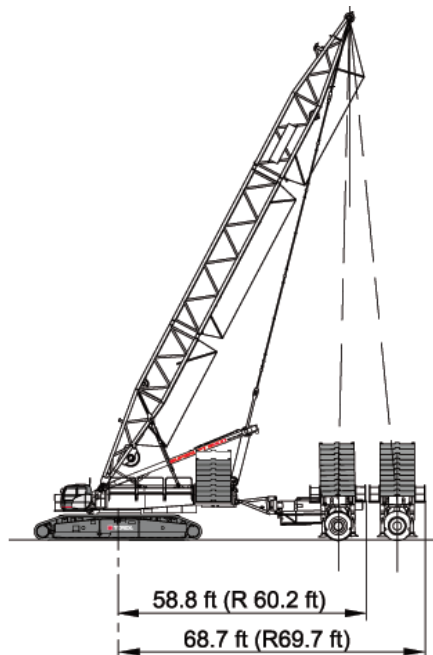
R 51.7 ft



SL Carrier

49.2-62.3 ft

R 51.7 ft



SPECIFICATIONS

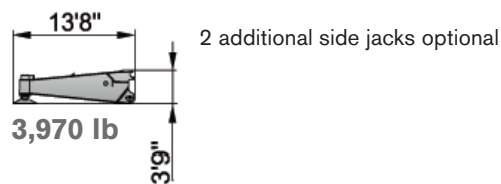
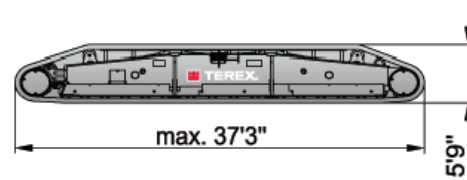
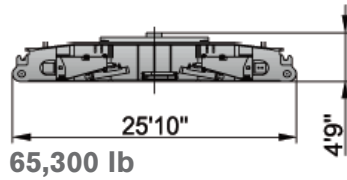
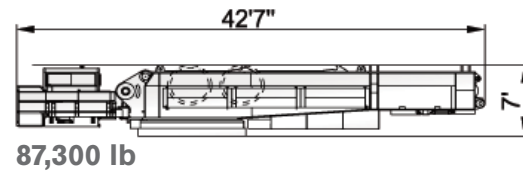
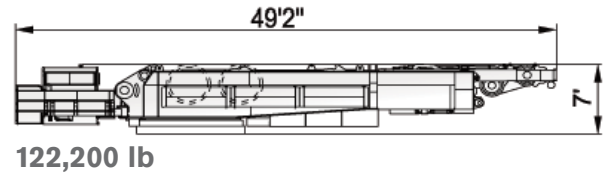
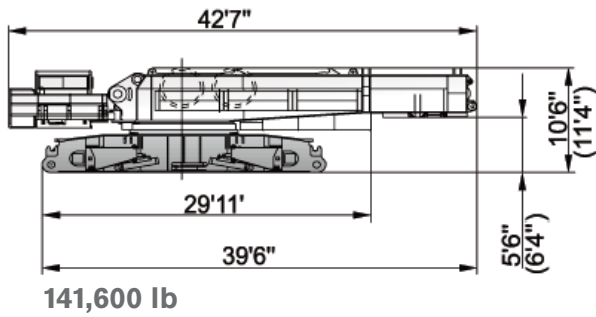
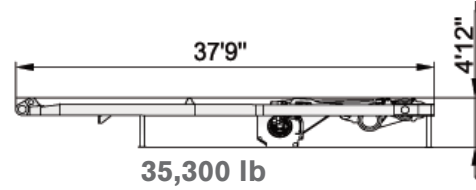
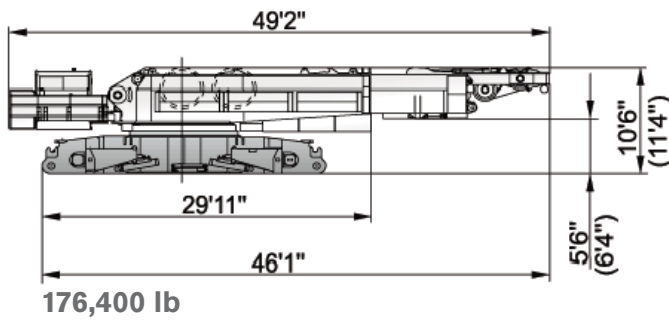
SUPERLIFT 3800

Weights

Total weight incl. 363,800 lb counterweight, 78.7 ft boom and hook block	approx. 860,000 lb
Superstructure (with 3 winches, A-frame and quick-connection)	150,000 lb
Superstructure without winches and A-frame, with quick-connection	87,300 lb
Carbody with jacks and quick-connection	65,300 lb
Max. counterweight	452,000 lb
Max. central ballast	110,200 lb

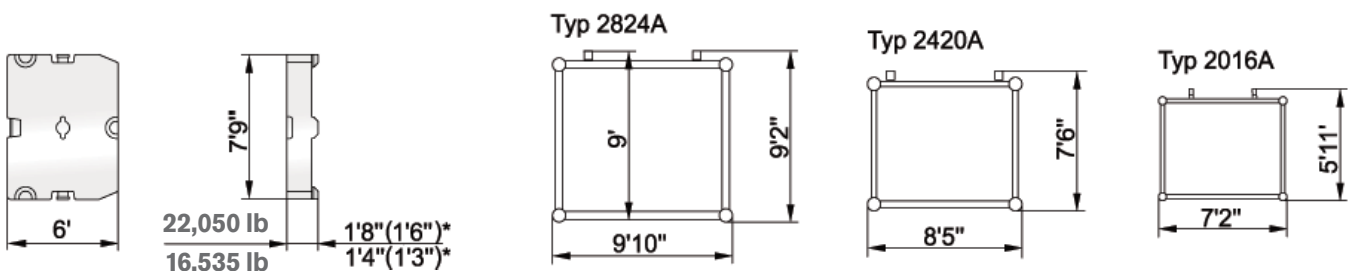
SPECIFICATIONS

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	Duo	Quadro
4.9 ft	82,250 lb	89,700 lb
6.6 ft	86,000 lb	93,500 lb

Without winches H1 + H2 (14,110 lb each)







* Optional cast iron

ERECTION / LOWERING

SUPERLIFT 3800

Erection / lowering of the Superlift 3800 boom systems to the ground

Boom combination	Fly jib	Main boom																
		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
SH_1			X	X	X	X	X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-
LH_1			-	-	X	X	X	X	X	X	X	X	X	[X]	[X]	[X]	[X]	[X]
SW_1  65°, 75°, 85°, 87°	78.7 ft		X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-
	98.4 ft		X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-
	118.1 ft		X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-
	137.8 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	157.5 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	177.2 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	196.9 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	216.5 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	236.2 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	255.9 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	275.6 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
	295.3 ft		X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-
315.0 ft		X	X	X	X	[X]	[X]	[X]	[X]	[X]	-	-	-	-	-	-	-	
SH+LF_1  15°, 20°, 30°	39.4 ft		-	X	X	X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	
	78.7 ft		-	X	X	X	X	X	X	X	[X]	[X]	[X]	[X]	-	-	-	
	118.1 ft		-	X	X	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	
LH+LF_1  15°, 20°, 30°	39.4 ft		-	-	-	-	X	X	X	X	X	X	[X]	[X]	[X]	[X]	[X]	
	78.7 ft		-	-	-	-	X	X	X	X	X	X	[X]	[X]	[X]	[X]	[X]	
	118.1 ft		-	-	-	-	X	X	X	X	X	[X]	[X]	[X]	[X]	[X]	-	
		ft			236.2	246.1	255.9	265.8	275.6	285.5	295.3	305.1	315.0	324.8	334.6	344.5	354.3	364.2
LH+LF_3  15°, 20°	39.4 ft				X	X	X	X	X	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	

X without assisting equipment







[X] with additional side jack

All Superlift combinations can be erected or lowered to the ground without assisting equipment.

ERECTION / LOWERING

SUPERLIFT 3800

Erection / lowering of the Superlift 3800 boom systems to the ground

Boom combination	Fly jib	Main boom																							
		ft	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	413.4	433.1	452.8	472.5				
SSL_1			X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-				
LSL_1			-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X				
LSL_2			-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
LVSL_1 15°	59.0 ft		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-				
SWSL_1  55°, 65°, 75°, 85°, 87°	78.7 ft		X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-					
	98.4 ft		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-					
	118.1 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-					
	137.8 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-					
SFSL_1  15°	157.5 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-					
	177.2 ft		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-				
	196.9 ft		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-				
	216.5 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
	236.2 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
	255.9 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
	275.6 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
	295.3 ft		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
315.0 ft		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-					
SSL+LF_1  15°, 20°, 30°	39.4 ft		-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-					
	78.7 ft		-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
	118.1 ft		-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-				
LSL+LF_2  15°, 20°, 30°	39.4 ft		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X					
	78.7 ft		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
	118.1 ft		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
		ft	255.9	275.6	295.3	315.0	334.6	354.3	364.2	374.0	383.9	393.7	403.6	413.4	423.3	433.1	442.9	452.8	462.6	472.5	482.3	492.2	502.0	511.8	521.7
LSL+LF_3  15°, 20°	39.4 ft		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
LSL+LF_4  15°, 20°	39.4 ft		-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	

X without assisting equipment

The amount of Superlift counterweight required for erecting the boom system depends on the configuration and the Superlift radius.

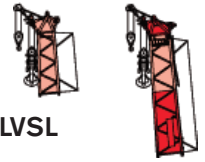
BOOM COMBINATIONS

SUPERLIFT 3800



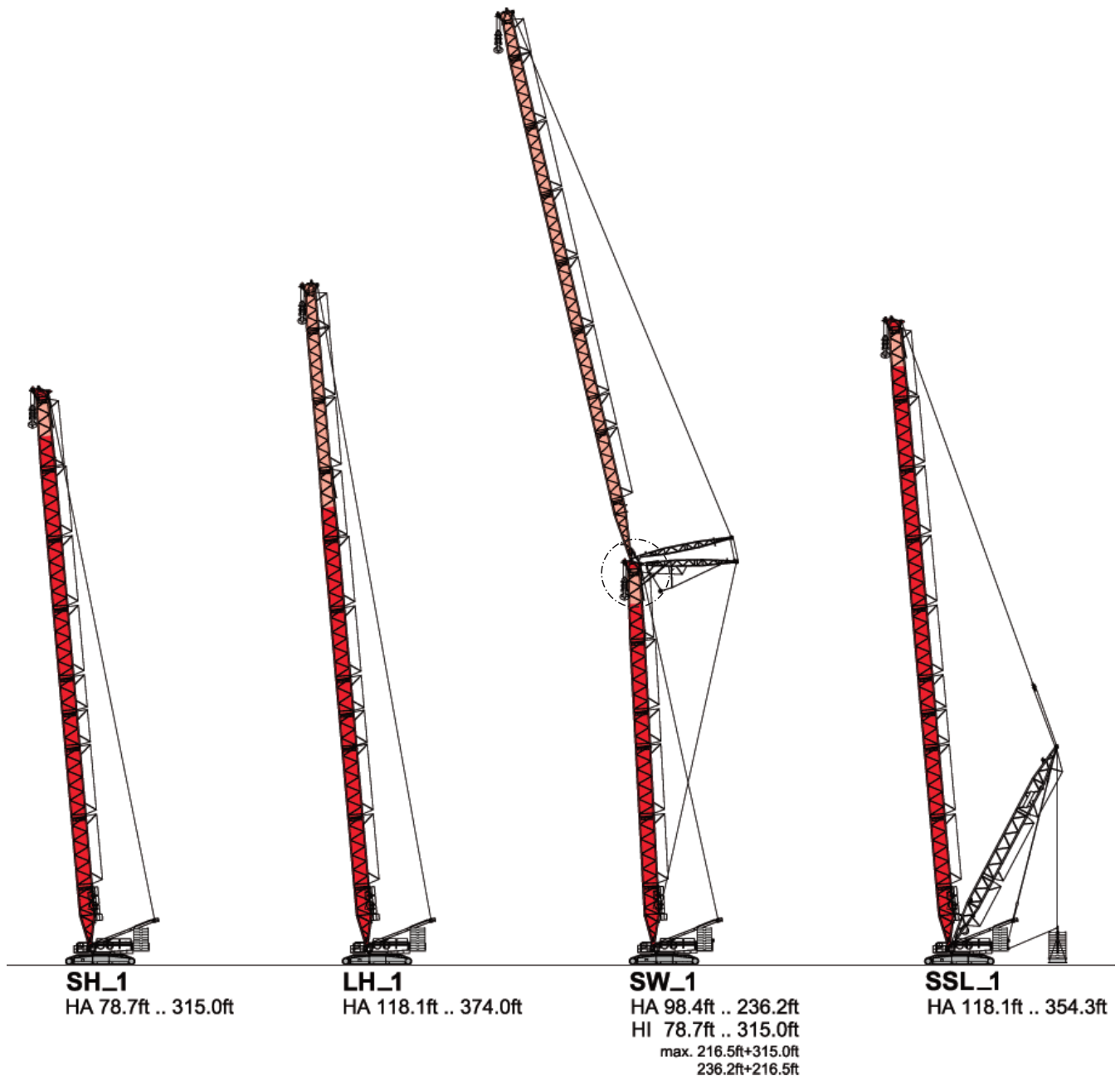
* Attachable

Runner
119,000 lb



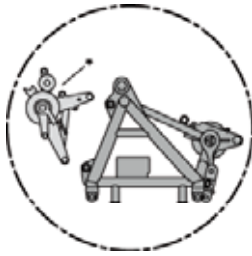
LH, LSL, SW, SWSL, LVSL

SH, SSL



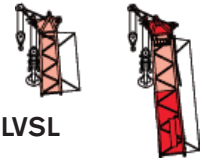
BOOM COMBINATIONS

SUPERLIFT 3800



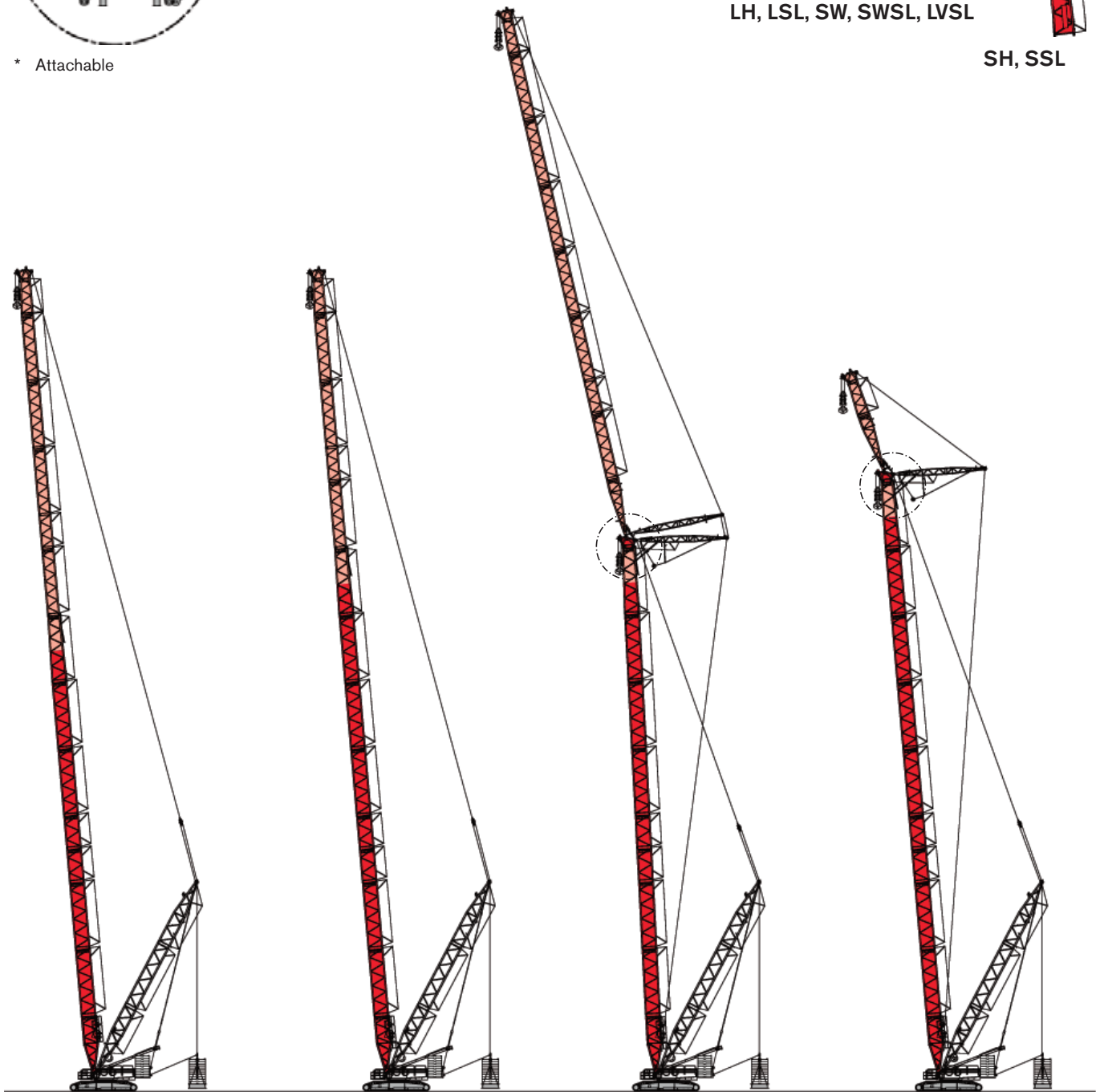
* Attachable

Runner
119,000 lb



LH, LSL, SW, SWSL, LVSL

SH, SSL



LSL_1

HA 236.2ft .. 472.4ft

LSL_2

HA 177.2ft .. 472.4ft

SWSL_1

HA 118.1ft .. 354.3ft

HI 78.7ft .. 315.0ft

max. 315.0ft+315.0ft

334.6ft+295.3ft

354.3ft+196.9ft

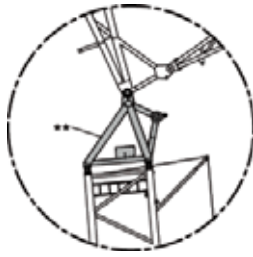
LVSL_1

HA 118.1ft .. 354.3ft

HI 59.0ft

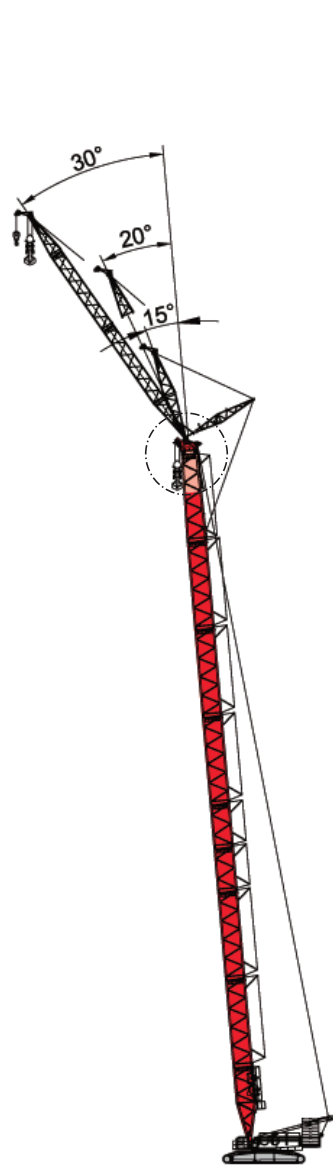
BOOM COMBINATIONS

SUPERLIFT 3800

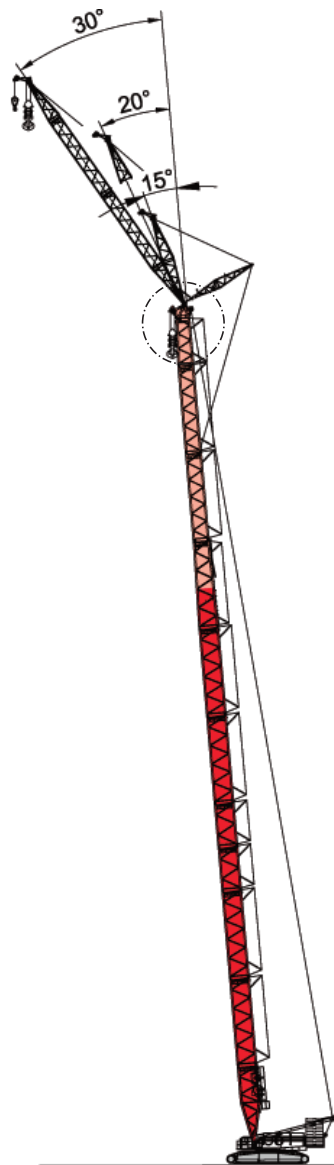


* Attachable
 ** Option

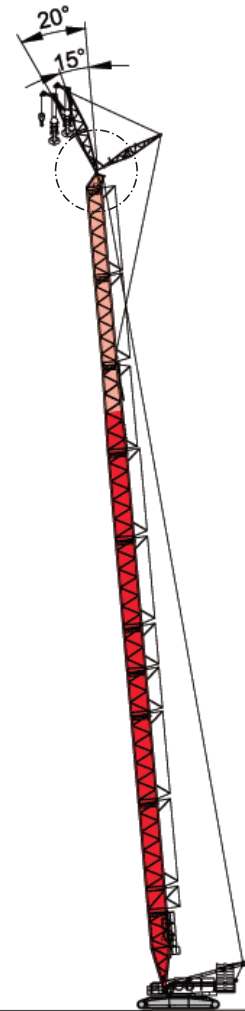
Runner 39,700 lb on LF standard



SH+LF_1
 HA 98.4ft .. 315.0ft
 HI 39.4ft .. 118.1ft
 max. 275.6ft+118.1ft
 295.3ft+78.7ft
 315.0ft+39.4ft



LH+LF_1
 HA 157.5ft .. 374.0ft
 HI 39.4ft .. 118.1ft
 max. 334.6ft+118.1ft
 354.3ft+78.7ft
 374.0ft+39.4ft

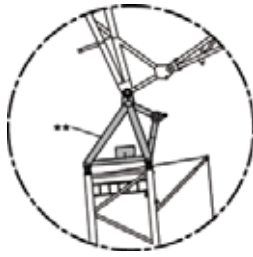
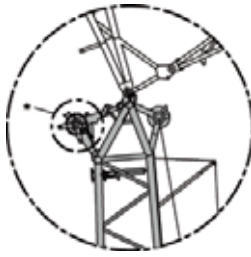


LH+LF_3
 HA 236.2ft .. 364.2ft
 HI 39.4ft



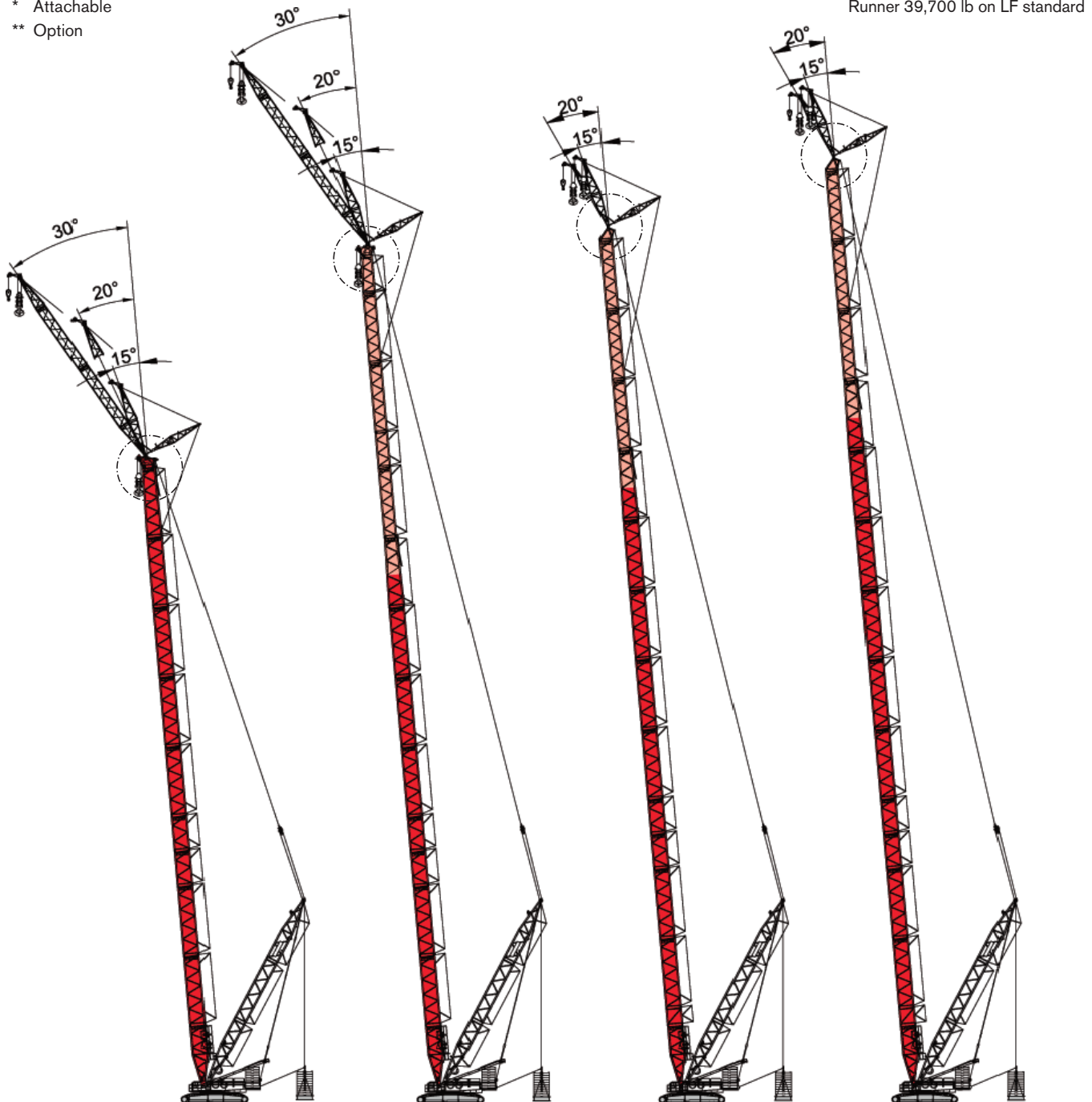
BOOM COMBINATIONS

SUPERLIFT 3800



* Attachable
** Option

Runner 39,700 lb on LF standard



SSL+LF_1

HA 137.8ft .. 354.3ft
HI 39.4ft .. 118.1ft

LSL+LF_2

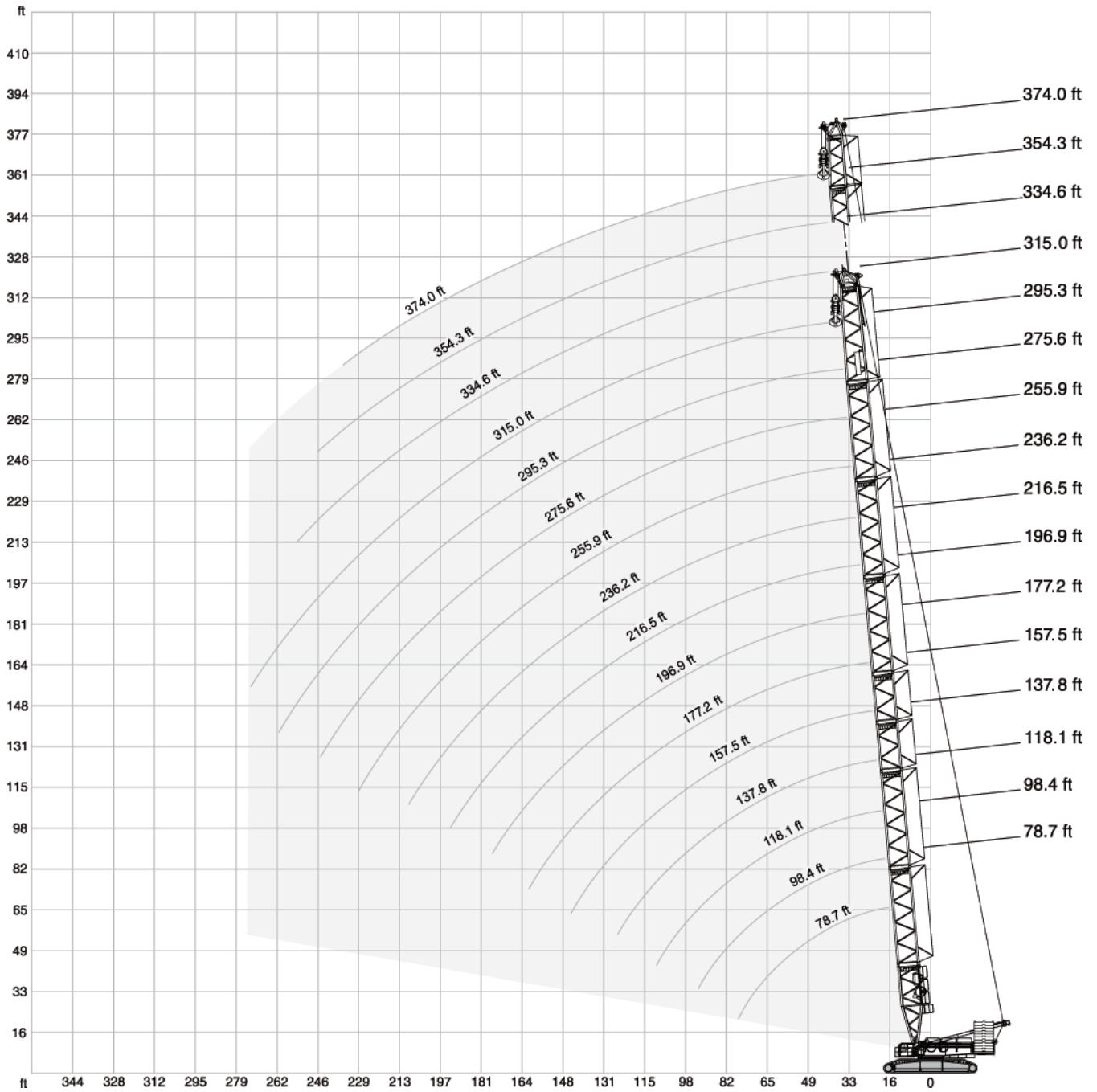
HA 236.2ft .. 472.4ft
HI 39.4ft .. 118.1ft

LSL+LF_3

HA 255.9ft .. 482.3ft
HI 39.4ft



LSL+LF_4

HA 452.8ft .. 521.7ft
HI 39.4ft



 +   27.6 ft  32.2 ft/s 360° **75%**

SH_1														
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	ft
1,000 lb														
18.0	1406.6	-	-	-	-	-	-	-	-	-	-	-	-	18.0
19.7	1327.2	1320.6	-	-	-	-	-	-	-	-	-	-	-	19.7
23.0	1190.5	1186.1	1179.5	1095.7	-	-	-	-	-	-	-	-	-	23.0
26.2	1064.8	1060.4	1007.5	937.0	873.0	817.9	-	-	-	-	-	-	-	26.2
29.5	941.4	934.8	870.8	815.7	765.0	720.9	679.0	-	-	-	-	-	-	29.5
32.8	842.2	815.7	767.2	723.1	681.2	643.8	610.7	579.8	551.2	-	-	-	-	32.8
36.1	744.1	729.7	691.1	653.7	618.4	586.4	556.7	530.2	504.9	480.6	456.4	-	-	36.1
39.4	646.0	643.8	615.1	584.2	555.6	529.1	502.7	480.6	458.6	440.9	421.1	405.7	385.8	39.4
45.9	502.7	502.7	500.4	489.4	467.4	445.3	425.5	410.1	390.2	377.0	359.4	348.3	332.9	45.9
52.5	410.1	407.9	407.9	403.4	401.2	383.6	368.2	352.7	339.5	326.3	313.1	304.2	291.0	52.5
59.1	346.1	343.9	341.7	337.3	337.3	335.1	321.9	310.9	297.6	286.6	275.6	266.8	255.7	59.1
65.6	297.6	293.2	291.0	288.8	286.6	284.4	282.2	275.6	262.4	255.7	244.7	238.1	227.1	65.6
72.2	260.1	255.7	253.5	251.3	249.1	246.9	244.7	242.5	233.7	227.1	218.3	212.7	202.8	72.2
75.5	244.7	241.4	239.2	235.9	234.2	232.0	229.3	228.2	222.1	216.1	207.2	202.3	192.9	75.5
78.7	-	227.1	224.9	220.5	219.4	217.2	213.8	213.8	210.5	205.0	196.2	191.8	183.0	78.7
85.3	-	202.8	199.5	196.2	194.0	191.8	189.6	188.5	185.2	184.1	177.5	173.1	164.2	85.3
91.9	-	183.0	179.7	176.4	174.2	170.9	168.7	167.6	165.3	164.2	160.9	156.5	148.8	91.9
98.4	-	-	163.1	159.8	156.5	154.3	151.0	149.9	147.7	146.6	143.3	143.3	135.6	98.4
108.3	-	-	142.2	139.2	135.9	133.7	130.3	129.2	125.7	124.6	122.4	122.4	118.2	108.3
111.5	-	-	-	132.3	129.0	126.8	123.5	122.4	120.2	117.9	115.7	115.7	112.4	111.5
124.7	-	-	-	112.4	109.3	106.3	103.4	102.1	99.0	97.4	94.1	93.5	90.6	124.7
137.8	-	-	-	-	93.5	89.9	86.9	85.1	81.4	79.8	76.5	75.6	72.8	137.8
144.4	-	-	-	-	86.9	83.4	79.7	77.6	74.3	72.6	69.3	68.5	65.5	144.4
150.9	-	-	-	-	-	76.9	73.0	71.0	67.2	65.5	62.2	61.3	58.2	150.9
160.8	-	-	-	-	-	68.6	64.5	62.4	58.5	56.7	53.1	52.4	49.4	160.8
164.0	-	-	-	-	-	-	61.7	59.5	55.6	53.8	50.3	49.6	46.5	164.0
177.2	-	-	-	-	-	-	52.5	50.0	46.1	44.1	40.6	39.7	36.6	177.2
190.3	-	-	-	-	-	-	-	42.3	37.9	36.2	32.4	31.5	28.2	190.3
193.6	-	-	-	-	-	-	-	40.6	36.2	34.4	30.6	29.8	26.4	193.6
203.4	-	-	-	-	-	-	-	-	31.1	29.1	25.4	24.5	20.9	203.4
210.0	-	-	-	-	-	-	-	-	28.2	26.2	22.3	21.4	17.9	210.0
216.5	-	-	-	-	-	-	-	-	-	23.4	19.4	18.3	14.8	216.5
223.1	-	-	-	-	-	-	-	-	-	20.9	16.8	15.7	12.1	223.1
229.7	-	-	-	-	-	-	-	-	-	18.3	14.1	13.0	-	229.7
232.9	-	-	-	-	-	-	-	-	-	-	13.0	11.9	-	232.9
236.2	-	-	-	-	-	-	-	-	-	-	11.9	-	-	236.2





 408,000 lb 452,000 lb
 66,100 lb 110,200 lb

		27.6 ft					32.2 ft/s					360°			75%
		SH_1													
		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	
		1,000 lb													
18.0		1382.3	-	-	-	-	-	-	-	-	-	-	-	-	18.0
19.7		1208.1	1280.9	-	-	-	-	-	-	-	-	-	-	-	19.7
23.0		1137.6	1034.0	945.8	866.4	-	-	-	-	-	-	-	-	-	23.0
26.2		939.2	862.0	798.1	740.8	687.8	643.8	-	-	-	-	-	-	-	26.2
29.5		795.9	738.5	687.8	643.8	604.1	566.6	533.5	-	-	-	-	-	-	29.5
32.8		687.8	643.8	604.1	568.8	535.7	504.9	476.2	451.9	427.7	-	-	-	-	32.8
36.1		597.5	575.4	543.4	513.7	485.0	458.6	434.3	412.3	391.3	370.4	352.7	-	-	36.1
39.4		507.1	507.1	482.8	458.6	434.3	412.3	392.4	372.6	354.9	339.5	324.1	310.9	295.4	39.4
45.9		394.6	392.4	392.4	381.4	363.8	346.1	328.5	315.3	299.8	288.8	275.6	264.6	251.3	45.9
52.5		319.7	319.7	317.5	315.3	310.9	295.4	282.2	271.2	257.9	249.1	235.9	229.3	218.3	52.5
59.1		269.0	266.8	264.6	260.1	260.1	257.9	244.7	235.9	224.9	217.2	207.2	200.6	190.7	59.1
65.6		229.3	227.1	224.9	222.7	220.5	218.3	216.1	208.3	197.3	190.7	181.9	176.4	167.6	65.6
72.2		200.6	197.3	195.1	191.8	189.6	187.4	185.2	184.1	175.3	169.8	160.9	156.5	147.7	72.2
75.5		188.5	185.7	183.0	179.7	177.5	175.3	173.1	172.0	165.9	160.4	152.1	147.7	139.4	75.5
78.7		-	174.2	170.9	167.6	165.3	163.1	160.9	159.8	156.5	151.0	143.3	138.9	131.2	78.7
85.3		-	154.3	151.0	147.7	145.5	143.3	141.1	140.0	136.7	135.6	127.9	124.6	116.8	85.3
91.9		-	138.9	135.6	132.3	130.1	126.8	124.6	123.5	120.2	119.0	114.6	111.3	104.5	91.9
98.4		-	-	122.4	117.9	115.7	113.5	110.2	109.8	106.9	105.8	103.0	100.3	93.5	98.4
108.3		-	-	106.0	102.6	99.9	97.0	94.2	92.9	89.1	87.7	84.9	84.0	79.6	108.3
111.5		-	-	-	97.4	94.6	91.5	88.8	87.3	83.8	82.2	79.1	78.5	75.0	111.5
124.7		-	-	-	81.4	78.0	74.3	71.0	69.4	65.7	64.2	61.1	60.4	57.3	124.7
137.8		-	-	-	-	64.6	60.8	57.1	55.3	51.6	50.0	46.7	46.1	43.0	137.8
144.4		-	-	-	-	59.3	55.4	51.4	49.4	46.0	44.3	41.0	40.3	37.3	144.4
150.9		-	-	-	-	-	50.0	46.1	44.1	40.3	38.6	35.3	34.6	31.5	150.9
160.8		-	-	-	-	-	43.4	39.5	37.3	33.4	31.6	28.0	27.3	24.3	160.8
164.0		-	-	-	-	-	-	37.3	35.1	31.1	29.3	25.8	25.1	22.0	164.0
177.2		-	-	-	-	-	-	30.0	27.6	23.4	21.6	18.1	17.2	14.1	177.2
180.4		-	-	-	-	-	-	-	26.0	21.8	20.0	16.4	15.5	12.3	180.4
187.0		-	-	-	-	-	-	-	22.9	18.7	16.8	13.1	12.1	-	187.0
190.3		-	-	-	-	-	-	-	21.4	17.2	15.2	11.5	-	-	190.3
193.6		-	-	-	-	-	-	-	20.1	15.8	13.8	-	-	-	193.6
200.1		-	-	-	-	-	-	-	-	13.1	11.0	-	-	-	200.1
203.4		-	-	-	-	-	-	-	-	11.7	-	-	-	-	203.4

275,600 lb 363,800 lb

 +
 
 27.6 ft
  32.2 ft/s
 360°
 75%

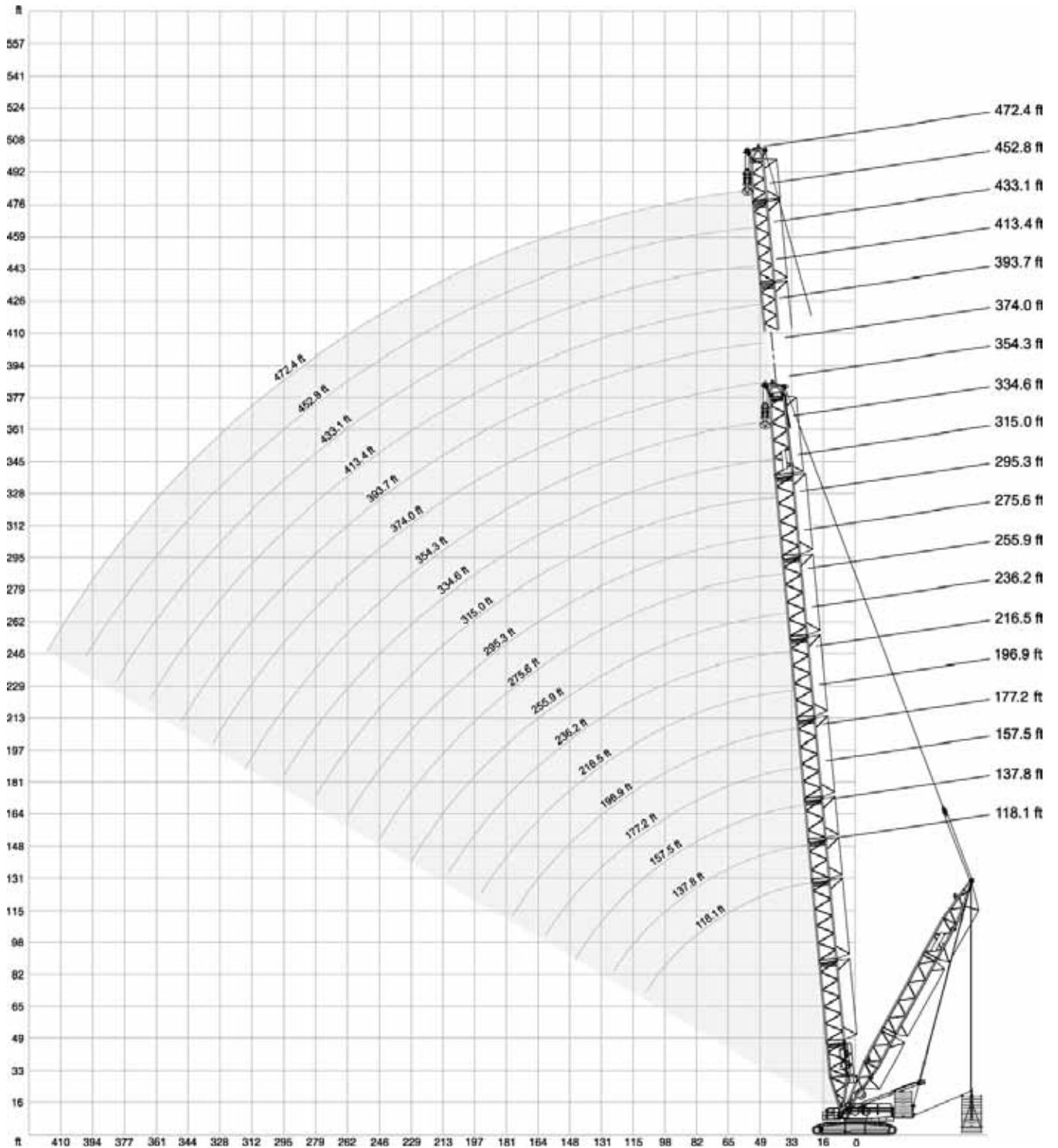
LH-1															
ft	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0	ft
	1,000 lb														
23.0	765.0	765.0	-	-	-	-	-	-	-	-	-	-	-	-	23.0
26.2	765.0	765.0	765.0	765.0	-	-	-	-	-	-	-	-	-	-	26.2
29.5	765.0	765.0	765.0	734.1	692.3	654.8	-	-	-	-	-	-	-	-	29.5
32.8	765.0	729.7	694.5	657.0	621.7	590.8	562.2	535.7	-	-	-	-	-	-	32.8
36.1	694.5	660.3	631.6	599.7	568.8	542.3	517.0	493.8	456.4	421.1	-	-	-	-	36.1
39.4	623.9	590.8	568.8	542.3	515.9	493.8	471.8	451.9	434.3	412.3	352.7	321.9	-	-	39.4
42.7	566.6	543.4	524.7	500.4	478.4	457.5	438.7	420.0	404.5	385.8	347.2	316.4	297.6	271.2	42.7
45.9	509.3	496.0	480.6	458.6	440.9	421.1	405.7	388.0	374.8	359.4	341.7	310.9	295.4	269.0	45.9
52.5	416.7	414.5	414.5	396.8	381.4	366.0	352.7	339.5	328.5	315.3	304.2	291.0	280.0	262.4	52.5
59.1	350.5	346.1	348.3	346.1	335.1	321.9	310.9	299.8	291.0	277.8	269.0	257.9	246.9	238.1	59.1
65.6	299.8	297.6	299.8	297.6	295.4	286.6	277.8	266.8	260.1	249.1	240.3	231.5	222.7	212.7	65.6
72.2	262.4	260.1	262.4	257.9	255.7	253.5	249.1	240.3	233.7	224.9	217.2	208.3	199.5	190.7	72.2
78.7	233.7	229.3	231.5	227.1	227.1	222.7	222.7	217.2	211.6	202.8	196.2	188.5	180.8	173.1	78.7
85.3	208.3	205.0	207.2	203.9	201.7	198.4	197.3	195.1	192.9	185.2	178.6	170.9	164.2	156.5	85.3
91.9	188.5	185.2	186.3	183.0	181.9	177.5	176.4	174.2	174.2	168.7	163.1	156.5	148.8	142.2	91.9
98.4	172.0	167.6	169.8	166.4	164.2	160.9	158.7	156.5	156.5	153.2	149.9	143.3	136.7	130.1	98.4
108.3	151.0	147.7	149.1	145.8	143.6	139.4	138.1	135.9	135.9	132.6	130.9	125.9	119.6	114.0	108.3
111.5	-	141.1	142.2	138.9	136.7	132.3	131.2	129.0	129.0	125.7	124.6	120.2	114.6	108.7	111.5
124.7	-	120.2	121.3	117.9	115.7	111.3	110.2	107.8	107.8	104.5	103.6	100.3	97.4	91.5	124.7
137.8	-	-	105.8	102.1	99.4	95.7	93.9	91.1	91.1	87.5	86.4	82.5	80.2	76.5	137.8
141.1	-	-	102.5	98.9	96.0	92.4	90.6	87.6	87.6	83.9	82.8	78.7	76.5	72.9	141.1
150.9	-	-	-	89.3	86.4	82.5	80.7	77.4	77.4	73.2	72.1	68.1	65.9	61.9	150.9
160.8	-	-	-	81.4	78.3	74.4	72.1	68.6	68.5	64.4	63.2	59.2	57.0	52.9	160.8
164.0	-	-	-	-	75.6	71.7	69.2	65.7	65.5	61.5	60.2	56.2	54.0	49.8	164.0
177.2	-	-	-	-	67.0	62.2	59.7	56.0	55.8	51.6	50.3	46.3	43.9	39.9	177.2
190.3	-	-	-	-	-	54.5	51.6	47.8	47.6	43.4	41.9	37.9	35.5	31.5	190.3
193.6	-	-	-	-	-	52.7	49.9	46.1	45.8	41.6	40.1	36.1	33.7	29.5	193.6
203.4	-	-	-	-	-	-	45.0	41.0	40.6	36.2	34.8	30.6	28.2	24.3	203.4
210.0	-	-	-	-	-	-	42.1	38.0	37.6	33.2	31.7	27.6	25.1	21.1	210.0
216.5	-	-	-	-	-	-	-	35.1	34.6	30.2	28.7	24.5	22.0	17.9	216.5
226.4	-	-	-	-	-	-	-	31.3	30.6	26.2	24.6	20.5	17.9	13.7	226.4
229.7	-	-	-	-	-	-	-	-	29.3	24.9	23.4	19.2	16.5	12.3	229.7
236.2	-	-	-	-	-	-	-	-	27.1	22.6	20.9	16.8	14.1	9.9	236.2
242.8	-	-	-	-	-	-	-	-	24.9	20.3	18.5	14.3	11.7	-	242.8
246.1	-	-	-	-	-	-	-	-	23.8	19.3	17.5	13.3	10.6	-	246.1
249.3	-	-	-	-	-	-	-	-	-	18.4	16.5	12.2	9.5	-	249.3
255.9	-	-	-	-	-	-	-	-	-	16.5	14.6	10.1	-	-	255.9
259.2	-	-	-	-	-	-	-	-	-	15.7	13.6	9.3	-	-	259.2
262.5	-	-	-	-	-	-	-	-	-	14.8	12.7	-	-	-	262.5
269.0	-	-	-	-	-	-	-	-	-	-	10.8	-	-	-	269.0
275.6	-	-	-	-	-	-	-	-	-	-	9.3	-	-	-	275.6

 408,000 lb
  452,000 lb
 66,100 lb
  110,200 lb

	27.6 ft	32.2 ft/s	360°	75%
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LH-1															
ft	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	ft
1,000 lb															
23.0	765.0	765.0	-	-	-	-	-	-	-	-	-	-	-	-	23.0
26.2	765.0	745.2	701.1	654.8	-	-	-	-	-	-	-	-	-	-	26.2
29.5	694.5	650.4	615.1	579.8	546.7	515.9	-	-	-	-	-	-	-	-	29.5
32.8	610.7	575.4	546.7	518.1	489.4	465.2	440.9	418.9	-	-	-	-	-	-	32.8
36.1	551.2	520.3	497.1	471.8	447.5	425.5	404.5	384.7	366.0	348.3	-	-	-	-	36.1
39.4	491.6	465.2	447.5	425.5	405.7	385.8	368.2	350.5	337.3	321.9	308.6	293.2	-	-	39.4
42.7	446.4	426.6	412.3	392.4	374.8	357.1	340.6	325.2	313.1	298.7	286.6	273.4	260.1	246.9	42.7
45.9	401.2	388.0	377.0	359.4	343.9	328.5	313.1	299.8	288.8	275.6	264.6	253.5	240.3	229.3	45.9
52.5	326.3	324.1	324.1	310.9	295.4	284.4	271.2	260.1	251.3	240.3	231.5	220.5	210.5	200.6	52.5
59.1	273.4	271.2	271.2	269.0	260.1	249.1	238.1	229.3	220.5	211.6	203.9	194.0	185.2	176.4	59.1
65.6	233.7	231.5	233.7	229.3	227.1	220.5	212.7	202.8	197.3	188.5	180.8	172.0	164.2	155.4	65.6
72.2	203.9	200.6	202.8	199.5	197.3	195.1	189.6	180.8	176.4	167.6	162.0	154.3	146.6	138.9	72.2
78.7	179.7	176.4	178.6	175.3	173.1	169.8	168.7	163.1	158.7	151.0	145.5	137.8	131.2	123.5	78.7
85.3	159.8	156.5	158.7	155.4	153.2	149.9	148.8	146.6	143.3	136.7	131.2	123.5	117.9	110.2	85.3
91.9	144.4	141.1	142.2	138.9	136.7	133.4	132.3	130.1	130.1	123.5	117.9	111.3	106.0	99.4	91.9
98.4	130.1	126.8	129.0	125.7	123.5	119.0	117.9	115.7	115.7	112.4	107.8	101.6	95.7	89.3	98.4
108.3	113.5	111.1	112.6	109.1	106.9	103.2	101.6	99.2	99.2	95.9	93.9	88.1	82.2	76.6	108.3
111.5	-	105.8	107.1	103.6	101.4	97.9	96.1	93.7	93.7	90.4	89.3	83.6	78.0	72.3	111.5
124.7	-	89.5	90.6	87.1	84.7	80.9	79.4	76.1	76.1	72.1	71.0	67.2	63.9	58.2	124.7
137.8	-	-	78.0	74.3	71.4	67.2	65.3	61.9	61.9	58.0	56.7	52.9	50.7	46.7	137.8
141.1	-	-	75.4	71.7	68.7	64.5	62.4	59.1	59.1	55.1	53.8	49.8	47.6	43.8	141.1
150.9	-	-	-	63.9	60.6	56.2	54.0	50.5	50.5	46.3	45.2	41.2	39.0	35.1	150.9
160.8	-	-	-	57.5	54.0	49.4	47.1	43.5	43.4	39.3	38.1	34.1	31.9	27.8	160.8
164.0	-	-	-	-	51.8	47.2	44.8	41.2	41.0	37.0	35.7	31.7	29.5	25.4	164.0
177.2	-	-	-	-	44.5	39.7	37.3	33.5	33.3	29.1	27.8	23.8	21.4	17.4	177.2
190.3	-	-	-	-	-	33.5	30.9	27.1	26.7	22.5	21.2	17.2	14.8	10.6	190.3
193.6	-	-	-	-	-	32.2	29.5	25.7	25.3	21.1	19.7	15.7	13.3	9.0	193.6
203.4	-	-	-	-	-	-	25.6	21.6	21.2	17.0	15.4	11.2	8.8	-	203.4
206.7	-	-	-	-	-	-	24.5	20.4	20.0	15.8	14.2	10.1	-	-	206.7
210.0	-	-	-	-	-	-	23.4	19.3	18.7	14.6	13.0	-	-	-	210.0
216.5	-	-	-	-	-	-	-	17.0	16.3	12.1	10.6	-	-	-	216.5
219.8	-	-	-	-	-	-	-	16.0	15.3	11.0	9.5	-	-	-	219.8
226.4	-	-	-	-	-	-	-	14.1	13.3	8.8	-	-	-	-	226.4
229.7	-	-	-	-	-	-	-	-	12.3	-	-	-	-	-	229.7
242.8	-	-	-	-	-	-	-	-	8.8	-	-	-	-	-	242.8

	275,600 lb	363,800 lb
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363,800 lb +		110,200 lb		36.0-62.3 ft		27.6 ft		32.2 ft/s		360°		75%			
118.1 ft		137.8 ft		157.5 ft		177.2 ft		196.9 ft		216.5 ft		236.2 ft			
SSL_1															
0 lb		0 lb-716.6klb		0 lb		0 lb-716.6klb		0 lb		0 lb-716.6klb		0 lb-716.6klb			
1,000 lb															
ft													ft		
23.0	1175.1	1433.0	-	-	-	-	-	-	-	-	-	-	23.0		
26.2	994.3	1433.0	923.7	1433.0	-	1433.0	-	-	-	-	-	-	26.2		
29.5	859.8	1433.0	804.7	1433.0	756.2	1433.0	712.1	1433.0	-	-	-	-	29.5		
32.8	756.2	1433.0	712.1	1433.0	672.4	1433.0	637.1	1428.6	601.9	1311.8	573.2	1124.4	32.8		
36.1	682.3	1433.0	644.9	1433.0	610.7	1429.7	579.8	1423.1	550.1	1287.5	524.7	1124.4	493.8	1003.1	36.1
39.4	608.5	1433.0	577.6	1433.0	549.0	1426.4	522.5	1422.0	498.2	1287.5	476.2	1113.3	454.2	1003.1	39.4
45.9	500.4	1265.5	482.8	1258.8	460.8	1252.2	440.9	1247.8	421.1	1241.2	403.4	1095.7	385.8	989.9	45.9
52.5	407.9	1126.6	403.4	1122.2	394.6	1115.5	379.2	1108.9	363.8	1104.5	350.5	1086.9	335.1	970.0	52.5
59.1	341.7	1014.1	337.3	1009.7	335.1	1003.1	330.7	998.7	317.5	992.1	306.4	992.1	293.2	961.2	59.1
65.6	291.0	923.7	288.8	917.1	284.4	910.5	282.2	906.1	277.8	899.5	271.2	899.5	260.1	895.1	65.6
72.2	253.5	844.4	251.3	840.0	246.9	833.3	242.5	828.9	240.3	822.3	240.3	822.3	233.7	817.9	72.2
78.7	224.9	758.4	220.5	773.8	217.2	767.2	213.8	762.8	209.4	756.2	209.4	756.2	207.2	751.8	78.7
85.3	200.6	674.6	196.2	712.1	192.9	707.7	188.5	701.1	185.2	696.7	185.2	694.5	183.0	692.3	85.3
91.9	180.8	612.9	176.4	659.2	172.0	654.8	168.7	648.2	164.2	643.8	164.2	641.5	162.0	639.3	91.9
98.4	163.1	544.5	159.8	606.3	155.4	608.5	151.0	601.9	147.7	597.5	146.6	595.2	144.4	593.0	98.4
108.3	143.3	465.2	141.1	523.6	136.1	553.4	132.3	547.8	128.5	543.4	127.6	541.2	125.2	537.9	108.3
111.5	-	-	134.8	496.0	129.7	535.0	126.0	529.8	122.1	525.4	121.3	523.2	118.8	519.6	111.5
124.7	-	-	112.4	410.1	108.8	457.1	105.1	466.6	100.6	462.2	99.7	460.0	96.8	456.4	124.7
137.8	-	-	-	-	92.8	385.8	88.2	412.3	83.1	407.9	81.8	405.7	78.3	403.4	137.8
144.4	-	-	-	-	86.4	350.5	82.1	382.1	76.8	386.5	75.3	385.1	71.7	382.1	144.4
150.9	-	-	-	-	-	-	76.0	352.0	70.5	365.2	68.9	364.5	65.0	360.8	150.9
160.8	-	-	-	-	-	-	67.5	315.3	61.9	332.9	60.0	335.8	56.0	331.4	160.8
164.0	-	-	-	-	-	-	-	-	59.7	321.9	57.6	327.8	53.6	323.3	164.0
177.2	-	-	-	-	-	-	-	-	50.7	277.8	48.1	295.4	43.9	291.0	177.2
190.3	-	-	-	-	-	-	-	-	-	-	41.0	261.9	36.5	267.5	190.3
193.6	-	-	-	-	-	-	-	-	-	-	39.2	253.5	34.7	261.6	193.6
203.4	-	-	-	-	-	-	-	-	-	-	-	-	30.0	242.5	203.4
210.0	-	-	-	-	-	-	-	-	-	-	-	-	27.1	229.3	210.0

	0 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb + 110,200 lb 36.0-62.3 ft 27.6 ft 32.2 ft/s 360° 75%														
255.9 ft 275.6 ft 295.3 ft 315.0 ft 334.6 ft 354.3 ft														
SSL_1														
0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb 0 lb 0 lb-716.6klb														
1,000 lb														
ft														ft
36.1	-	828.9	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	434.3	828.9	414.5	745.2	-	670.2	-	-	-	-	-	-	-	39.4
42.7	403.4	828.9	384.7	745.2	370.4	670.2	352.7	595.2	-	-	-	-	-	42.7
45.9	372.6	828.9	354.9	745.2	343.9	670.2	328.5	595.2	315.3	524.7	302.0	463.0	-	45.9
52.5	324.1	820.1	308.6	745.2	299.8	670.2	286.6	595.2	275.6	524.7	262.4	460.8	-	52.5
59.1	284.4	813.5	273.4	738.5	264.6	670.2	253.5	595.2	242.5	524.7	231.5	460.8	-	59.1
65.6	251.3	806.9	242.5	729.7	235.9	661.4	224.9	595.2	216.1	524.7	206.1	458.6	-	65.6
72.2	224.9	800.3	216.1	723.1	210.5	652.6	201.7	593.0	192.9	524.7	184.1	456.4	-	72.2
78.7	203.9	751.8	195.1	718.7	189.6	648.2	180.8	584.2	173.1	520.3	165.3	454.2	-	78.7
85.3	183.0	692.3	176.4	687.8	172.0	643.8	164.2	577.6	156.5	511.5	148.8	447.5	-	85.3
91.9	162.0	637.1	158.7	632.7	156.5	632.7	148.8	571.0	141.1	504.9	133.4	440.9	-	91.9
98.4	144.4	590.8	142.2	586.4	142.2	586.4	134.5	560.0	127.9	502.7	121.3	436.5	-	98.4
111.5	118.8	518.8	115.7	514.4	115.9	514.4	111.3	502.7	107.3	476.9	101.0	421.1	-	111.5
124.7	96.7	456.4	93.1	451.9	93.3	451.9	90.2	448.3	87.5	444.6	82.5	404.9	-	124.7
137.8	78.0	403.4	74.3	399.0	74.5	399.0	71.2	396.8	68.6	394.6	65.7	390.2	-	137.8
150.9	64.7	360.8	60.9	356.4	61.0	356.4	57.5	354.2	54.9	352.0	51.9	349.1	-	150.9
164.0	53.1	323.3	49.2	319.7	49.2	319.7	45.6	316.7	42.9	314.5	39.8	312.3	-	164.0
177.2	43.2	291.0	39.0	288.8	39.0	288.8	35.3	284.4	32.6	282.2	29.3	280.0	-	177.2
190.3	35.6	266.0	31.4	263.8	31.1	262.4	27.3	259.4	24.5	257.2	21.2	255.0	-	190.3
203.4	28.8	244.0	24.5	241.0	24.0	239.6	20.3	237.0	17.2	234.6	13.8	230.8	-	203.4
206.7	27.3	239.2	23.0	235.9	22.5	234.8	18.7	232.0	15.6	229.5	12.1	224.9	-	206.7
213.3	24.4	229.6	20.0	225.6	19.4	225.2	15.7	222.1	12.3	219.4	-	216.1	-	213.3
216.5	22.9	224.9	18.5	220.5	17.9	220.5	14.1	217.2	-	215.0	-	211.6	-	216.5
223.1	20.7	215.0	16.2	212.7	15.4	212.1	11.2	208.3	-	206.5	-	203.6	-	223.1
229.7	18.5	205.0	13.8	205.0	12.9	203.7	-	200.6	-	198.0	-	195.5	-	229.7
232.9	-	-	12.6	201.2	11.7	199.5	-	196.8	-	193.8	-	191.4	-	232.9
236.2	-	-	11.5	197.3	-	196.2	-	192.9	-	189.6	-	187.4	-	236.2
242.8	-	-	-	189.2	-	189.6	-	185.9	-	183.0	-	180.4	-	242.8
246.1	-	-	-	185.2	-	186.3	-	182.4	-	179.7	-	176.9	-	246.1
255.9	-	-	-	-	-	176.4	-	172.0	-	169.8	-	166.4	-	255.9
262.5	-	-	-	-	-	169.8	-	166.4	-	163.9	-	160.6	-	262.5
269.0	-	-	-	-	-	-	-	160.9	-	158.0	-	154.7	-	269.0
278.9	-	-	-	-	-	-	-	152.1	-	149.7	-	146.2	-	278.9
282.2	-	-	-	-	-	-	-	-	-	147.3	-	143.7	-	282.2
295.3	-	-	-	-	-	-	-	-	-	137.8	-	133.4	-	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	124.6	-	308.4
315.0	-	-	-	-	-	-	-	-	-	-	-	120.2	-	315.0

0 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb + 110,200 lb 36.0-62.3 ft 27.6 ft 32.2 ft/s 360° 75%																	
177.2 ft 196.9 ft 216.5 ft 236.2 ft 255.9 ft 275.6 ft																	
LSL_2 LSL_1 LSL_2 LSL_1 LSL_2 LSL_1 LSL_2																	
0 lb 0 lb-716.6klb 0 lb-716.6klb 0 lb-716.6klb 0 t 0 lb-716.6klb 0 t 0 lb-716.6klb 0 t 0 lb-716.6klb																	
1,000 lb																	
ft																	ft
26.2	765.0	765.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.2
29.5	705.5	765.0	665.8	765.0	630.5	765.0	-	-	-	-	-	-	-	-	-	-	29.5
32.8	632.7	765.0	599.7	765.0	568.8	765.0	531.3	765.0	765.0	504.9	716.5	729.7	-	-	-	-	32.8
36.1	576.5	765.0	547.8	765.0	521.4	765.0	488.3	765.0	765.0	465.2	716.5	729.7	445.3	597.5	661.4	-	36.1
39.4	520.3	765.0	496.0	765.0	474.0	765.0	445.3	765.0	765.0	425.5	716.5	729.7	410.1	597.5	661.4	-	39.4
45.9	440.9	765.0	421.1	765.0	403.4	765.0	381.4	765.0	765.0	366.0	716.5	729.7	354.9	597.5	661.4	-	45.9
52.5	381.4	765.0	366.0	765.0	350.5	765.0	332.9	765.0	765.0	319.7	712.1	723.1	310.9	595.2	659.2	-	52.5
59.1	332.9	765.0	321.9	765.0	308.6	765.0	293.2	765.0	765.0	282.2	709.9	723.1	273.4	582.0	643.8	-	59.1
65.6	288.8	765.0	284.4	765.0	273.4	765.0	262.4	765.0	765.0	251.3	709.9	723.1	244.7	575.4	639.3	-	65.6
72.2	251.3	765.0	249.1	765.0	244.7	765.0	235.9	743.0	756.2	224.9	707.7	716.5	220.5	571.0	637.1	-	72.2
78.7	220.5	765.0	219.4	765.0	215.0	762.8	212.7	718.7	731.9	205.0	679.0	690.0	200.6	565.8	623.9	-	78.7
85.3	197.3	712.1	194.0	707.7	190.7	703.3	188.5	696.7	703.3	185.2	652.6	661.4	183.0	537.9	599.7	-	85.3
91.9	177.5	659.2	174.2	654.8	170.9	650.4	168.7	648.2	650.4	165.3	626.1	634.9	166.4	518.1	575.4	-	91.9
98.4	159.8	612.9	157.6	608.5	153.2	604.1	152.1	604.1	604.1	147.7	597.5	599.7	149.9	498.2	553.4	-	98.4
111.5	134.8	540.9	131.9	536.5	127.5	532.0	127.1	532.0	532.0	122.7	525.4	527.6	124.9	457.1	506.3	-	111.5
124.7	114.0	476.9	110.6	472.5	106.3	468.1	106.2	468.1	468.9	101.9	462.2	464.4	103.9	418.9	458.6	-	124.7
137.8	97.2	421.1	93.7	416.7	89.5	412.3	89.3	412.3	414.5	85.3	407.9	410.1	86.9	383.6	410.1	-	137.8
150.9	85.2	365.2	81.5	375.5	76.9	371.1	76.9	371.1	371.8	72.5	366.7	368.9	74.1	351.3	367.4	-	150.9
160.8	76.7	324.1	73.1	344.7	68.2	342.5	68.4	342.5	342.8	63.7	338.0	340.2	65.3	328.1	338.0	-	160.8
164.0	-	-	70.8	334.4	65.8	334.4	66.0	334.4	335.1	61.3	330.0	332.2	62.8	321.1	330.0	-	164.0
177.2	-	-	61.5	293.2	56.2	302.0	56.4	302.0	304.2	51.6	297.6	299.8	53.1	293.2	297.6	-	177.2
190.3	-	-	-	-	48.8	272.1	49.2	277.0	279.3	44.4	274.1	274.8	45.5	266.8	272.6	-	190.3
193.6	-	-	-	-	47.0	264.6	47.4	270.8	273.0	42.6	268.2	268.6	43.6	260.1	266.4	-	193.6
203.4	-	-	-	-	-	-	42.8	254.6	256.8	37.9	252.1	252.8	38.7	241.4	248.4	-	203.4
210.0	-	-	-	-	-	-	39.9	244.7	246.9	35.1	241.8	243.2	35.8	229.3	236.6	-	210.0
216.5	-	-	-	-	-	-	-	-	-	32.2	231.5	233.7	32.8	217.2	224.9	-	216.5
226.4	-	-	-	-	-	-	-	-	-	28.9	219.4	218.3	29.4	202.8	207.8	-	226.4
229.7	-	-	-	-	-	-	-	-	-	-	-	-	28.3	198.8	202.1	-	229.7
242.8	-	-	-	-	-	-	-	-	-	-	-	-	24.1	181.1	184.1	-	242.8
246.1	-	-	-	-	-	-	-	-	-	-	-	-	23.1	176.4	180.8	-	246.1

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb + 110,200 lb 36.0-62.3 ft 27.6 ft 32.2 ft/s 360° 75%																		
		295.3 ft			315.0 ft			334.6 ft			354.3 ft			374.0 ft				
		LSL_1		LSL_2		LSL_1		LSL_2		LSL_1		LSL_2		LSL_1		LSL_2		
		0 t		0 lb-716.6 klb		0 t		0 lb-716.6 klb		0 t		0 lb-716.6 klb		0 t		0 lb-716.6 klb		
1,000 lb																		
ft	425.5	551.2	608.5	-	-	-	-	361.6	432.1	480.6	-	-	-	-	-	-	36.1	
39.4	392.4	551.2	608.5	377.0	476.2	533.5	361.6	432.1	480.6	-	-	-	-	-	-	-	39.4	
42.7	366.0	549.0	607.4	351.6	474.0	531.3	337.3	432.1	478.4	319.7	390.2	429.9	306.4	357.1	388.0	-	42.7	
45.9	339.5	546.7	606.3	326.3	471.8	529.1	313.1	432.1	476.2	299.8	390.2	429.9	286.6	357.1	385.8	-	45.9	
52.5	297.6	546.7	604.1	286.6	467.4	529.1	275.6	432.1	476.2	262.4	390.2	429.9	251.3	357.1	385.8	-	52.5	
59.1	262.4	533.5	588.6	253.5	458.6	529.1	244.7	432.1	476.2	233.7	390.2	429.9	222.7	354.9	385.8	-	59.1	
65.6	235.9	520.3	575.4	227.1	449.7	529.1	218.3	429.9	476.2	208.3	388.0	429.9	199.5	354.9	385.8	-	65.6	
72.2	212.7	511.5	566.6	205.0	440.9	529.1	196.2	427.7	476.2	187.4	388.0	429.9	178.6	352.7	385.8	-	72.2	
78.7	192.9	500.4	555.6	186.3	432.1	529.1	178.6	427.7	474.0	168.7	385.8	429.9	160.9	352.7	385.8	-	78.7	
85.3	175.3	485.0	537.9	169.8	423.3	529.1	162.0	425.5	474.0	153.2	385.8	427.7	145.5	350.5	385.8	-	85.3	
91.9	159.8	465.2	518.1	154.3	407.9	515.9	147.7	423.3	474.0	140.0	383.6	427.7	132.3	350.5	383.6	-	91.9	
98.4	146.6	447.5	498.2	142.2	394.6	509.3	135.6	418.9	471.8	127.9	383.6	427.7	120.2	350.5	383.6	-	98.4	
111.5	122.2	412.3	457.1	119.4	365.2	474.7	115.6	396.1	459.3	108.3	374.8	421.8	101.6	343.2	380.7	-	111.5	
124.7	101.4	377.0	416.7	99.3	335.8	448.3	96.8	375.5	438.0	90.9	357.9	406.4	85.3	330.7	374.1	-	124.7	
137.8	84.2	341.7	377.0	81.8	306.4	405.7	79.1	363.8	401.2	75.6	348.3	399.0	71.2	321.9	368.2	-	137.8	
150.9	71.1	313.8	344.7	68.6	281.5	363.0	65.9	345.4	358.6	62.2	332.9	356.4	58.1	310.1	343.9	-	150.9	
164.0	59.7	287.3	313.8	57.0	257.9	325.5	54.3	323.3	321.9	50.6	315.3	318.9	46.5	296.2	316.7	-	164.0	
177.2	49.8	262.4	284.4	47.2	235.9	293.2	44.3	291.0	291.0	40.6	288.8	286.6	36.4	284.4	284.4	-	177.2	
190.3	42.2	240.3	256.5	39.5	217.5	268.2	36.5	267.5	264.6	32.8	263.8	261.6	28.6	259.4	259.4	-	190.3	
203.4	35.3	219.4	230.8	32.7	199.2	246.2	29.6	245.4	241.8	25.8	241.0	239.2	21.6	237.4	237.0	-	203.4	
216.5	29.3	199.5	209.4	26.7	181.9	227.1	23.6	224.9	222.7	19.6	220.5	219.4	15.4	218.3	217.2	-	216.5	
229.7	24.5	181.9	189.6	21.8	166.4	210.2	18.6	208.7	206.5	14.5	205.0	202.6	10.1	201.5	199.9	-	229.7	
232.9	23.3	177.5	184.6	20.6	162.6	205.9	17.3	204.7	202.5	13.2	201.2	198.4	8.8	197.3	195.8	-	232.9	
242.8	20.1	166.4	170.5	17.4	151.8	195.1	14.0	193.6	191.1	9.7	189.6	187.4	-	187.0	184.8	-	242.8	
255.9	16.3	153.2	152.1	13.4	137.8	181.9	9.9	179.7	177.5	-	176.4	174.2	-	173.1	170.9	-	255.9	
259.2	15.5	149.4	149.9	12.7	135.6	178.9	9.0	177.5	174.5	-	173.4	171.2	-	170.1	167.9	-	259.2	
262.5	14.8	145.5	147.7	11.9	133.4	176.0	-	174.6	171.6	-	170.5	168.3	-	167.2	165.0	-	262.5	
269.0	-	-	-	10.3	127.3	170.1	-	168.9	165.7	-	164.6	162.4	-	161.3	159.1	-	269.0	
272.3	-	-	-	9.5	124.3	167.2	-	166.0	162.8	-	161.7	159.5	-	158.4	156.2	-	272.3	
278.9	-	-	-	-	119.0	162.0	-	160.8	157.4	-	156.3	154.0	-	153.0	150.8	-	278.9	
282.2	-	-	-	-	-	-	-	158.4	155.1	-	154.0	151.4	-	150.6	148.4	-	282.2	
295.3	-	-	-	-	-	-	-	148.8	145.5	-	144.4	141.1	-	141.1	138.9	-	295.3	
308.4	-	-	-	-	-	-	-	-	-	-	135.6	133.2	-	132.3	130.1	-	308.4	
311.7	-	-	-	-	-	-	-	-	-	-	133.4	131.2	-	130.1	127.9	-	311.7	
321.5	-	-	-	-	-	-	-	-	-	-	-	-	-	123.9	121.7	-	321.5	
331.4	-	-	-	-	-	-	-	-	-	-	-	-	-	117.9	115.7	-	331.4	

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb +

110,200 lb

36.0-62.3 ft

27.6 ft

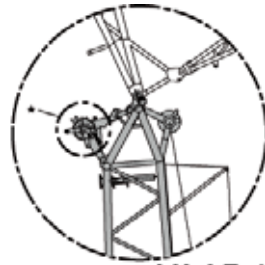
32.2 ft/s
360°
75%

		393.7 ft		413.4 ft		433.1 ft		452.8 ft		472.4 ft				
		LSL_1		LSL_2		LSL_1		LSL_2		LSL_1		LSL_2		
		0 t		0 lb-716.6 klb		0 t		0 lb-716.6 klb		0 t		0 lb-716.6 klb		
		1,000 lb												
ft														ft
45.9	275.6	304.2	337.3	255.7	262.4	293.2	-	-	-	-	-	-	-	45.9
49.2	259.0	303.1	336.2	244.7	261.2	292.1	217.2	222.7	253.5	186.3	192.9	217.2	-	49.2
52.5	242.5	302.0	335.1	233.7	260.1	291.0	216.1	222.7	253.5	186.3	191.8	217.2	160.9	52.5
59.1	215.0	302.0	335.1	208.3	260.1	291.0	200.6	220.5	253.5	185.2	190.7	216.1	159.8	59.1
65.6	191.8	302.0	335.1	186.3	260.1	291.0	179.7	220.5	251.3	174.2	189.6	215.0	158.7	65.6
72.2	172.0	299.8	332.9	167.6	257.9	291.0	160.9	219.4	251.3	156.5	187.4	213.8	149.9	72.2
78.7	155.4	297.6	332.9	151.0	255.7	288.8	145.5	217.2	249.1	141.1	186.3	212.7	134.5	78.7
85.3	140.0	297.6	332.9	136.7	253.5	286.6	131.2	216.1	249.1	126.8	184.1	211.6	121.3	85.3
91.9	127.9	295.4	332.9	123.5	251.3	286.6	119.0	213.8	246.9	114.6	181.9	209.4	110.2	91.9
98.4	115.7	295.4	330.7	112.4	251.3	286.6	108.2	211.6	246.9	104.7	180.8	208.3	99.9	98.4
111.5	97.4	291.0	327.8	94.4	247.7	283.7	90.5	209.4	245.4	87.2	177.8	206.1	82.8	111.5
124.7	81.2	285.9	324.8	78.5	244.0	280.0	74.9	205.8	242.5	71.9	175.3	203.2	67.8	124.7
137.8	67.2	280.0	321.9	64.8	238.1	275.6	61.5	200.6	238.1	58.9	170.9	199.5	54.9	137.8
150.9	56.2	272.6	310.9	54.2	233.7	271.2	51.1	195.8	233.7	48.6	167.2	195.8	44.9	150.9
164.0	45.6	261.6	299.8	44.0	226.7	262.4	41.7	191.8	229.3	39.3	163.1	192.2	35.9	164.0
177.2	35.5	255.7	282.2	34.2	220.5	257.9	33.3	187.4	224.9	31.1	158.7	189.6	27.8	177.2
190.3	27.7	247.7	257.2	26.4	213.1	247.7	25.8	181.1	218.3	24.3	155.8	185.9	21.0	190.3
203.4	20.6	235.5	234.8	19.3	206.5	234.8	18.9	173.4	211.0	18.0	151.7	181.3	14.8	203.4
216.5	14.3	217.2	215.0	13.0	200.6	215.0	12.6	169.8	207.2	12.1	147.7	177.5	9.3	216.5
223.1	11.7	208.9	206.4	10.2	198.4	206.4	9.7	166.7	200.6	9.3	145.5	173.4	-	223.1
226.4	10.4	204.8	202.2	8.8	197.3	202.2	-	164.7	197.3	-	144.4	172.5	-	226.4
229.7	9.0	200.6	198.0	-	195.5	198.0	-	163.1	194.0	-	143.3	171.6	-	229.7
242.8	-	185.9	182.6	-	184.8	182.6	-	158.7	180.4	-	138.2	166.1	-	242.8
255.9	-	172.0	168.7	-	170.9	168.7	-	154.3	166.4	-	134.5	163.1	-	255.9
269.0	-	160.2	156.9	-	159.1	156.9	-	148.8	154.7	-	129.7	153.6	-	269.0
282.2	-	149.2	146.2	-	148.1	145.9	-	141.5	143.7	-	124.9	144.0	-	282.2
295.3	-	138.9	136.7	-	137.8	135.6	-	131.2	133.4	-	119.0	134.5	-	295.3
308.4	-	130.8	127.9	-	129.0	126.8	-	120.9	124.6	-	110.8	124.8	-	308.4
321.5	-	122.7	119.0	-	121.0	119.0	-	110.9	117.3	-	102.1	116.4	-	321.5
334.6	-	114.6	112.4	-	113.5	111.3	-	101.6	109.3	-	93.3	106.7	-	334.6
347.8	-	108.9	105.6	-	104.7	104.7	-	91.3	102.3	-	84.4	93.6	-	347.8
360.9	-	-	-	-	94.1	95.4	-	81.1	92.4	-	75.8	80.9	-	360.9
364.2	-	-	-	-	91.1	92.4	-	78.5	89.3	-	74.1	77.8	-	364.2
374.0	-	-	-	-	-	-	-	71.2	79.8	-	68.8	68.6	-	374.0
380.6	-	-	-	-	-	-	-	65.9	72.5	-	64.6	61.8	-	380.6
387.1	-	-	-	-	-	-	-	-	-	-	60.2	55.3	-	387.1
397.0	-	-	-	-	-	-	-	-	-	-	53.6	46.3	-	397.0
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	400.3
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	413.4
416.7	-	-	-	-	-	-	-	-	-	-	-	-	-	416.7

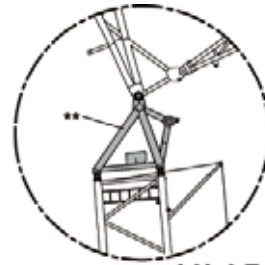

0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

SH+LF, LH+LF

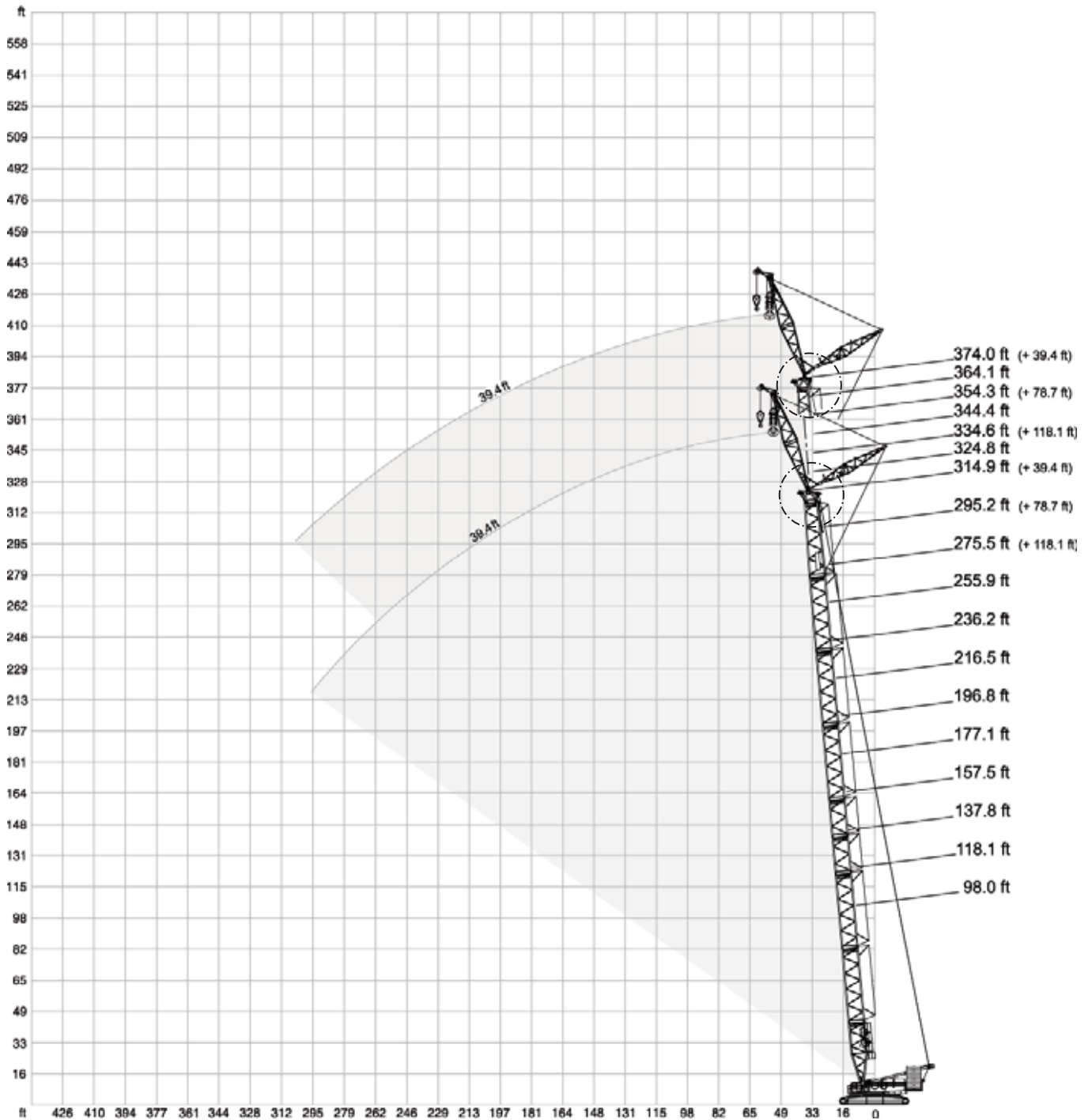
SUPERLIFT 3800



LH+LF_1



LH+LF_3




* Attachable


** Option

39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ISO												
98.4 ft					118.1 ft															
SH+LF_1																				
39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft					
15° 20° 30°			15° 20° 30°			15° 20° 30°			15° 20° 30°			15° 20° 30°			15° 20° 30°					
1,000 lb																				
ft																			ft	
29.5	377.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5
32.8	352.7	-	-	-	-	-	-	-	-	366.0	-	-	-	-	-	-	-	-	-	32.8
36.1	331.8	262.4	-	-	-	-	-	-	-	346.1	269.0	-	-	-	-	-	-	-	-	36.1
39.4	310.9	249.1	169.8	-	-	-	-	-	-	326.3	257.9	-	-	-	-	-	-	-	-	39.4
42.7	294.3	238.1	163.7	-	-	-	-	-	-	310.9	246.9	166.4	-	-	-	-	-	-	-	42.7
45.9	277.8	227.1	157.6	173.1	-	-	-	-	-	295.4	235.9	160.9	178.6	-	-	-	-	-	-	45.9
52.5	251.3	209.4	147.7	156.5	126.8	-	-	-	-	269.0	219.4	152.1	162.0	130.1	-	-	-	-	-	52.5
59.1	231.5	192.9	138.9	142.2	116.8	-	111.3	-	-	246.9	203.9	144.4	148.8	120.2	-	113.5	-	-	-	59.1
62.3	222.7	186.8	135.6	136.1	112.9	79.6	106.8	-	-	238.1	197.3	140.5	142.7	116.3	-	109.0	-	-	-	62.3
65.6	213.8	180.8	132.3	130.1	108.9	77.2	102.3	-	-	229.3	190.7	136.7	136.7	112.4	78.3	104.5	-	-	-	65.6
68.9	206.1	174.7	129.0	125.1	105.2	75.0	98.4	81.4	-	221.6	185.2	133.9	131.7	108.9	76.2	100.8	82.9	-	-	68.9
72.2	198.4	168.7	125.7	120.2	101.4	72.8	94.6	78.5	-	213.8	179.7	131.2	126.8	105.4	74.1	97.0	80.0	-	-	72.2
78.7	185.2	158.7	120.2	111.3	94.8	68.8	87.5	73.0	-	200.6	169.8	125.7	117.9	99.0	70.3	90.4	75.0	-	-	78.7
85.3	173.1	151.0	114.6	104.7	89.1	65.3	81.1	68.3	48.5	188.5	160.9	120.2	110.2	93.5	67.0	84.7	70.3	-	-	85.3
88.6	168.7	147.2	112.4	101.4	86.5	63.7	78.5	66.1	47.2	183.0	157.1	117.9	107.4	90.9	65.6	81.9	68.2	47.6	-	88.6
91.9	164.2	143.3	110.2	98.1	84.0	62.2	75.8	63.9	45.9	177.5	153.2	115.7	104.5	88.4	64.2	79.1	66.1	46.5	-	91.9
98.4	155.4	136.7	107.1	92.4	79.6	59.3	71.0	60.2	43.4	168.7	146.6	111.3	98.5	83.8	61.5	74.3	62.6	44.1	-	98.4
111.5	141.1	125.7	101.2	82.7	72.1	54.7	62.8	53.8	39.2	145.5	134.5	105.8	88.6	76.3	56.7	66.1	56.2	40.3	-	111.5
124.7	126.8	117.9	-	75.0	65.9	50.7	56.4	48.7	35.7	124.6	124.6	100.8	80.5	69.9	52.9	59.7	50.9	37.0	-	124.7
128.0	122.4	-	-	73.4	64.7	49.9	55.1	47.6	35.1	120.4	120.5	99.9	78.8	68.6	52.1	58.4	49.9	36.3	-	128.0
131.2	117.9	-	-	71.8	63.4	49.2	53.8	46.5	34.4	116.2	116.4	-	77.2	67.4	51.4	57.0	48.8	35.6	-	131.2
137.8	-	-	-	68.6	60.8	47.6	51.1	44.3	33.1	107.8	108.2	-	73.9	64.8	49.8	54.2	46.7	34.2	-	137.8
141.1	-	-	-	67.3	59.9	47.1	50.0	43.4	32.5	104.4	104.5	-	72.5	63.7	49.2	53.1	45.8	33.6	-	141.1
147.6	-	-	-	64.8	57.9	46.0	47.7	41.7	31.3	97.4	-	-	69.7	61.5	47.8	50.8	43.9	32.4	-	147.6
150.9	-	-	-	63.5	56.9	45.4	46.5	40.8	30.6	-	-	-	68.3	60.4	47.2	49.6	43.0	31.7	-	150.9
164.0	-	-	-	59.5	53.8	-	42.8	37.7	28.7	-	-	-	63.9	56.9	45.2	45.9	39.9	29.8	-	164.0
167.3	-	-	-	58.6	-	-	42.0	37.0	28.2	-	-	-	63.0	56.2	-	45.0	39.2	29.3	-	167.3
177.2	-	-	-	-	-	-	39.7	35.1	26.9	-	-	-	60.2	54.2	-	42.5	37.3	28.0	-	177.2
183.7	-	-	-	-	-	-	38.4	34.1	26.3	-	-	-	58.6	-	-	41.1	36.0	27.3	-	183.7
190.3	-	-	-	-	-	-	37.0	33.1	25.8	-	-	-	-	-	-	39.7	34.8	26.7	-	190.3
200.1	-	-	-	-	-	-	35.5	31.7	-	-	-	-	-	-	-	37.9	33.5	25.8	-	200.1
203.4	-	-	-	-	-	-	35.1	-	-	-	-	-	-	-	-	37.3	33.1	25.6	-	203.4
206.7	-	-	-	-	-	-	34.6	-	-	-	-	-	-	-	-	36.7	32.7	-	-	206.7
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	31.5	-	-	216.5
223.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-	-	-	223.1

99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb	452,000 lb
0 lb		66,100 lb	110,200 lb		

39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ISO										
SH+LF_1																		
157.5 ft					177.2 ft													
39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft			
15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	
1,000 lb																		
36.1	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	350.5	269.0	-	-	-	-	-	-	-	-	-	359.4	-	-	-	-	-	39.4
42.7	336.2	260.1	-	-	-	-	-	-	-	-	-	345.0	264.6	-	-	-	-	42.7
45.9	321.9	251.3	166.4	-	-	-	-	-	-	-	-	330.7	257.9	168.7	-	-	-	45.9
49.2	308.6	242.5	162.6	178.6	-	-	-	-	-	-	-	318.6	249.1	164.8	-	-	-	49.2
52.5	295.4	233.7	158.7	172.0	-	-	-	-	-	-	-	306.4	240.3	160.9	175.3	-	-	52.5
55.8	284.4	227.1	154.9	165.3	130.1	-	-	-	-	-	-	296.5	233.7	157.6	169.2	-	-	55.8
59.1	273.4	220.5	151.0	158.7	125.7	-	-	-	-	-	-	286.6	227.1	154.3	163.1	127.9	-	59.1
62.3	264.6	214.4	147.7	153.2	121.8	-	-	111.3	-	-	-	276.7	221.6	151.0	157.6	124.0	-	62.3
65.6	255.7	208.3	144.4	147.7	117.9	-	-	108.0	-	-	-	266.8	216.1	147.7	152.1	120.2	-	65.6
68.9	248.0	202.8	141.6	142.7	114.6	78.0	104.5	-	-	-	-	259.0	210.5	145.0	147.2	116.8	78.7	68.9
72.2	240.3	197.3	138.9	137.8	111.3	76.3	101.0	82.0	-	-	-	251.3	205.0	142.2	142.2	113.5	76.9	72.2
75.5	232.6	192.4	136.1	133.4	108.6	74.6	97.9	79.8	-	-	-	240.3	200.1	139.4	137.8	111.1	75.4	75.5
78.7	224.9	187.4	133.4	129.0	105.8	73.0	94.8	77.6	-	-	-	229.3	195.1	136.7	133.4	108.7	73.9	78.7
85.3	207.2	178.6	129.0	121.3	100.3	69.9	89.5	73.4	-	-	-	205.0	186.3	132.3	126.8	103.4	71.0	85.3
91.9	186.3	170.9	124.6	114.6	95.5	67.2	84.4	69.7	47.4	-	-	184.1	178.6	127.9	120.2	98.5	68.3	91.9
98.4	168.7	163.1	120.2	109.3	91.1	64.6	79.8	66.4	45.4	-	-	165.3	166.4	124.6	113.5	94.1	65.9	98.4
111.5	140.0	141.1	113.5	99.0	83.3	60.2	71.7	60.2	41.9	-	-	136.7	137.8	116.8	103.6	86.4	61.5	111.5
124.7	117.9	119.0	108.2	90.4	76.9	56.4	64.8	55.1	38.8	-	-	115.7	115.7	111.3	95.0	80.0	58.0	124.7
137.8	101.6	102.3	103.2	83.3	71.7	53.1	59.5	50.7	36.2	-	-	98.8	99.4	100.8	87.5	74.5	54.7	137.8
150.9	88.0	88.4	89.1	77.4	67.0	50.5	55.3	47.0	33.7	-	-	85.1	85.5	86.6	81.4	69.9	52.0	150.9
154.2	84.9	85.3	86.0	76.1	66.0	49.9	54.3	46.2	33.2	-	-	82.3	82.7	83.7	80.0	68.9	51.4	154.2
164.0	76.7	77.2	-	72.1	63.1	48.3	51.1	43.9	31.7	-	-	73.9	74.3	75.0	76.1	65.9	49.6	164.0
167.3	74.4	74.7	-	71.0	62.2	47.8	50.3	43.2	31.3	-	-	71.4	71.8	72.3	74.5	65.0	49.1	167.3
173.9	69.8	69.9	-	68.8	60.4	46.8	48.5	41.7	30.4	-	-	66.4	66.9	-	71.4	63.3	48.1	173.9
177.2	67.5	-	-	67.9	59.7	46.3	47.6	41.0	30.0	-	-	63.9	64.4	-	69.9	62.4	47.6	177.2
180.4	65.3	-	-	67.0	59.0	45.9	46.8	40.4	29.7	-	-	61.8	62.2	-	67.8	61.6	47.2	180.4
190.3	-	-	-	64.2	56.9	44.8	44.5	38.6	28.7	-	-	55.6	55.8	-	61.5	59.3	46.1	190.3
193.6	-	-	-	62.4	56.3	44.5	43.9	38.0	28.3	-	-	53.7	-	-	59.6	58.1	45.7	193.6
196.9	-	-	-	60.6	55.8	-	43.2	37.5	28.0	-	-	51.8	-	-	57.8	57.0	45.4	196.9
203.4	-	-	-	57.1	54.7	-	41.9	36.4	27.3	-	-	-	-	-	54.0	54.7	44.8	203.4
206.7	-	-	-	55.5	54.1	-	41.3	35.9	27.1	-	-	-	-	-	52.2	52.9	44.3	206.7
210.0	-	-	-	53.9	53.6	-	40.7	35.5	26.8	-	-	-	-	-	50.6	51.1	-	210.0
216.5	-	-	-	50.7	-	-	39.5	34.6	26.2	-	-	-	-	-	47.4	48.1	-	216.5
219.8	-	-	-	49.2	-	-	39.0	34.2	26.0	-	-	-	-	-	46.0	46.5	-	219.8
226.4	-	-	-	-	-	-	38.0	33.5	25.6	-	-	-	-	-	43.1	43.4	-	226.4
229.7	-	-	-	-	-	-	37.5	33.1	25.4	-	-	-	-	-	41.7	-	-	229.7
236.2	-	-	-	-	-	-	36.6	32.4	-	-	-	-	-	-	39.0	-	-	236.2
242.8	-	-	-	-	-	-	35.7	31.7	-	-	-	-	-	-	-	-	-	242.8
249.3	-	-	-	-	-	-	35.1	31.3	-	-	-	-	-	-	-	-	-	249.3
255.9	-	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	-	-	255.9
265.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269.0
272.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272.3

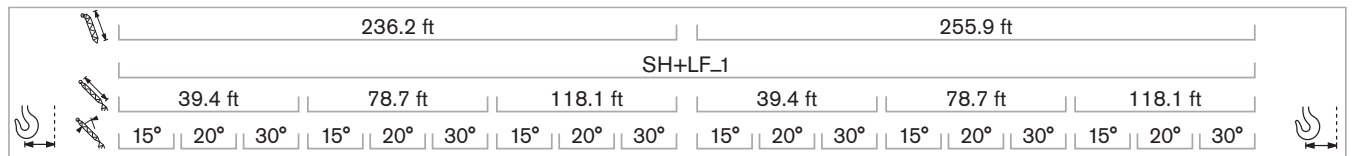

99,200 lb
187,400 lb
275,600 lb
363,800 lb
408,000 lb
452,000 lb


0 lb
66,100 lb
110,200 lb

39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ISO											
196.9 ft										216.5 ft									
SH+LF_1																			
39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft				
15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°		
1,000 lb																			
ft																			ft
39.4	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4
42.7	354.9	271.2	-	-	-	-	-	-	-	-	-	361.6	-	-	-	-	-	-	42.7
45.9	341.7	262.4	-	-	-	-	-	-	-	-	-	348.3	266.8	-	-	-	-	-	45.9
49.2	329.6	254.6	166.4	-	-	-	-	-	-	-	-	337.3	259.0	-	-	-	-	-	49.2
52.5	317.5	246.9	162.0	178.6	-	-	-	-	-	-	-	326.3	251.3	164.2	-	-	-	-	52.5
55.8	306.4	240.3	159.3	172.5	-	-	-	-	-	-	-	314.2	244.7	160.9	175.3	-	-	-	55.8
59.1	295.4	233.7	156.5	166.4	130.1	-	-	-	-	-	-	302.0	238.1	157.6	169.8	-	-	-	59.1
62.3	286.6	227.1	153.2	161.5	126.2	-	-	-	-	-	-	285.5	232.6	154.9	164.8	127.9	-	-	62.3
65.6	277.8	220.5	149.9	156.5	122.4	-	110.2	-	-	-	-	269.0	227.1	152.1	159.8	124.6	-	-	65.6
68.9	264.6	216.1	147.2	151.6	119.6	-	107.0	-	-	-	-	255.7	222.1	149.9	154.9	121.3	-	107.8	68.9
72.2	251.3	211.6	144.4	146.6	116.8	77.6	103.8	-	-	-	-	242.5	217.2	147.7	149.9	117.9	-	104.9	72.2
75.5	239.2	206.7	142.2	142.2	113.5	76.1	101.0	81.1	-	-	-	230.9	212.2	145.0	146.1	115.2	76.7	102.1	75.5
78.7	227.1	201.7	140.0	137.8	110.2	74.5	98.1	78.9	-	-	-	219.4	207.2	142.2	142.2	112.4	75.2	99.2	78.7
85.3	201.7	192.9	135.6	131.2	105.8	71.9	92.8	75.2	-	-	-	199.5	199.5	137.8	134.5	108.2	72.8	94.1	85.3
91.9	180.8	181.9	131.2	124.6	101.2	69.4	88.4	71.9	-	-	-	178.6	180.8	133.4	127.9	103.6	70.3	89.7	91.9
95.1	172.0	173.1	129.0	121.3	99.1	68.2	86.2	70.3	46.7	-	-	169.8	171.4	131.7	125.1	101.5	69.1	87.6	95.1
98.4	163.1	164.2	126.8	117.9	97.0	67.0	84.0	68.8	45.9	-	-	160.9	162.0	130.1	122.4	99.4	67.9	85.5	98.4
111.5	134.5	135.6	120.2	108.0	89.3	62.8	76.3	63.1	42.8	-	-	132.3	133.4	123.5	111.3	91.9	63.9	78.0	111.5
124.7	112.4	113.5	114.6	99.2	82.9	59.1	69.4	58.2	39.9	-	-	110.2	111.3	113.5	103.2	85.5	60.4	71.4	124.7
137.8	95.5	96.3	97.7	91.7	77.4	56.0	63.9	54.0	37.5	-	-	93.5	94.4	95.9	95.5	80.0	57.3	65.9	137.8
150.9	81.6	82.2	83.6	85.3	72.5	53.4	59.3	50.3	35.3	-	-	79.6	80.5	81.8	86.6	75.2	54.5	61.1	150.9
164.0	69.9	70.5	71.7	76.7	68.6	50.9	55.6	47.2	33.5	-	-	67.5	68.3	69.4	75.0	71.0	52.0	57.1	164.0
177.2	59.7	60.2	61.1	66.8	64.8	48.9	52.2	44.3	31.7	-	-	57.3	58.0	59.1	64.6	66.1	50.0	54.0	177.2
180.4	57.6	58.0	58.9	64.6	63.4	48.5	51.4	43.7	31.3	-	-	55.2	55.8	56.8	62.3	63.8	49.6	53.2	180.4
190.3	51.1	51.6	-	58.0	59.1	47.2	48.9	41.7	30.2	-	-	48.7	49.4	50.0	55.8	56.9	48.3	50.9	190.3
196.9	47.5	48.0	-	54.1	54.9	46.4	47.5	40.6	29.5	-	-	45.1	45.6	46.1	51.9	52.9	47.4	49.6	196.9
203.4	43.9	44.3	-	50.3	51.1	45.6	46.1	39.5	28.9	-	-	41.4	41.9	-	48.1	48.9	46.7	48.3	203.4
213.3	39.2	-	-	45.3	46.0	44.8	44.2	38.1	28.1	-	-	36.6	37.0	-	42.9	43.8	44.4	46.3	213.3
216.5	-	-	-	43.7	44.3	44.5	43.7	37.5	27.8	-	-	35.1	35.5	-	41.2	42.1	43.7	45.6	216.5
219.8	-	-	-	42.2	42.8	44.1	43.1	37.0	27.4	-	-	33.7	34.0	-	39.8	40.6	42.1	44.2	219.8
229.7	-	-	-	37.7	38.4	-	41.4	35.7	26.7	-	-	29.5	-	-	35.5	36.2	37.5	39.9	229.7
232.9	-	-	-	36.4	37.0	-	40.3	35.4	26.5	-	-	28.4	-	-	34.2	34.8	36.2	38.6	232.9
242.8	-	-	-	32.6	33.1	-	36.8	34.4	25.8	-	-	-	-	-	30.2	30.9	-	34.6	242.8
252.6	-	-	-	29.1	-	-	33.3	33.2	25.3	-	-	-	-	-	26.9	27.4	-	31.1	252.6
255.9	-	-	-	-	-	-	32.2	32.8	25.1	-	-	-	-	-	25.8	26.2	-	30.0	255.9
259.2	-	-	-	-	-	-	31.1	31.7	24.9	-	-	-	-	-	24.8	25.1	-	28.9	259.2
269.0	-	-	-	-	-	-	27.8	28.4	-	-	-	-	-	-	21.6	-	-	25.6	269.0
272.3	-	-	-	-	-	-	26.8	27.4	-	-	-	-	-	-	-	-	-	24.6	272.3
282.2	-	-	-	-	-	-	24.0	24.5	-	-	-	-	-	-	-	-	-	21.8	282.2
292.0	-	-	-	-	-	-	21.4	-	-	-	-	-	-	-	-	-	-	19.2	292.0
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	295.3
298.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.5	298.6
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.0	308.4

99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb	452,000 lb
0 lb					
			66,100 lb	110,200 lb	

+ **39.4-118.1 ft** **27.6 ft** **32.2 ft/s** **360°** **ISO**



		1,000 lb																				
ft																						ft
42.7	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7
45.9	357.1	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	342.8	262.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.2
52.5	328.5	255.7	165.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5
55.8	309.7	249.1	162.6	178.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.8
59.1	291.0	242.5	159.8	173.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1
62.3	275.6	237.0	157.1	168.1	129.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.3
65.6	260.1	231.5	154.3	163.1	125.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.6
68.9	246.9	227.1	151.6	158.7	122.9	-	108.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.9
72.2	233.7	222.7	148.8	154.3	120.2	-	105.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.2
75.5	222.1	217.7	146.6	149.9	117.4	77.2	103.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.5
78.7	210.5	212.7	144.4	145.5	114.6	75.8	100.3	79.8	-	-	-	-	-	-	-	-	-	-	-	-	-	78.7
82.0	201.2	203.4	142.2	142.2	112.4	74.6	97.9	78.2	-	-	-	-	-	-	-	-	-	-	-	-	-	82.0
85.3	191.8	194.0	140.0	138.9	110.2	73.4	95.5	76.5	-	-	-	-	-	-	-	-	-	-	-	-	-	85.3
91.9	174.2	176.4	136.7	132.3	105.8	71.0	91.1	73.2	-	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	157.6	159.8	132.3	125.7	101.6	68.8	87.1	70.3	46.1	-	-	-	-	-	-	-	-	-	-	-	-	98.4
101.7	150.5	152.4	130.6	123.2	99.8	67.8	85.3	69.1	45.4	-	-	-	-	-	-	-	-	-	-	-	-	101.7
111.5	129.0	130.1	125.7	115.7	94.4	64.8	79.8	65.3	43.2	-	-	-	-	-	-	-	-	-	-	-	-	111.5
124.7	107.6	108.7	110.2	106.7	88.0	61.3	73.4	60.4	40.6	-	-	-	-	-	-	-	-	-	-	-	-	124.7
137.8	90.2	91.3	93.0	98.1	82.5	58.4	67.9	56.4	38.4	-	-	-	-	-	-	-	-	-	-	-	-	137.8
150.9	75.6	76.7	78.5	83.8	77.6	55.6	62.8	52.7	36.4	-	-	-	-	-	-	-	-	-	-	-	-	150.9
164.0	63.5	64.4	65.7	71.7	73.4	53.1	58.9	49.6	34.4	-	-	-	-	-	-	-	-	-	-	-	-	164.0
177.2	53.1	54.0	55.1	61.1	62.6	51.1	55.6	47.0	32.8	-	-	-	-	-	-	-	-	-	-	-	-	177.2
190.3	44.5	45.2	46.3	52.0	53.4	49.2	52.7	44.5	31.5	-	-	-	-	-	-	-	-	-	-	-	-	190.3
203.4	37.3	37.7	38.6	44.3	45.4	47.6	49.6	42.3	30.2	-	-	-	-	-	-	-	-	-	-	-	-	203.4
210.0	34.1	34.5	35.1	40.9	42.0	44.1	46.2	41.3	29.5	-	-	-	-	-	-	-	-	-	-	-	-	210.0
216.5	30.9	31.3	-	37.5	38.6	40.6	42.8	40.3	28.9	-	-	-	-	-	-	-	-	-	-	-	-	216.5
223.1	28.1	28.4	-	34.6	35.6	37.3	39.7	39.2	28.4	-	-	-	-	-	-	-	-	-	-	-	-	223.1
229.7	25.4	25.6	-	31.7	32.6	34.2	36.6	38.1	28.0	-	-	-	-	-	-	-	-	-	-	-	-	229.7
236.2	22.9	23.1	-	29.1	30.0	31.4	34.0	35.3	27.4	-	-	-	-	-	-	-	-	-	-	-	-	236.2
242.8	20.5	-	-	26.5	27.3	28.7	31.3	32.6	26.9	-	-	-	-	-	-	-	-	-	-	-	-	242.8
246.1	19.4	-	-	25.2	26.1	27.3	30.1	31.4	26.7	-	-	-	-	-	-	-	-	-	-	-	-	246.1
249.3	18.3	-	-	24.0	24.8	-	28.9	30.1	26.6	-	-	-	-	-	-	-	-	-	-	-	-	249.3
252.6	-	-	-	22.9	23.6	-	27.7	28.8	26.4	-	-	-	-	-	-	-	-	-	-	-	-	252.6
255.9	-	-	-	21.8	22.5	-	26.5	27.6	26.2	-	-	-	-	-	-	-	-	-	-	-	-	255.9
262.5	-	-	-	19.7	20.4	-	24.3	25.4	25.6	-	-	-	-	-	-	-	-	-	-	-	-	262.5
265.7	-	-	-	18.7	19.3	-	23.1	24.3	25.2	-	-	-	-	-	-	-	-	-	-	-	-	265.7
269.0	-	-	-	17.6	18.3	-	22.0	23.1	24.9	-	-	-	-	-	-	-	-	-	-	-	-	269.0
275.6	-	-	-	15.9	16.3	-	20.2	21.1	22.7	-	-	-	-	-	-	-	-	-	-	-	-	275.6
282.2	-	-	-	14.1	-	-	18.3	19.2	20.7	-	-	-	-	-	-	-	-	-	-	-	-	282.2
285.4	-	-	-	13.2	-	-	17.4	18.2	19.6	-	-	-	-	-	-	-	-	-	-	-	-	285.4
292.0	-	-	-	-	-	-	15.7	16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	292.0
295.3	-	-	-	-	-	-	14.8	15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	295.3
298.6	-	-	-	-	-	-	13.9	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-	298.6
308.4	-	-	-	-	-	-	11.5	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-	308.4
311.7	-	-	-	-	-	-	10.7	11.2	-	-	-	-	-	-	-	-	-	-	-	-	-	311.7
315.0	-	-	-	-	-	-	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315.0
318.2	-	-	-	-	-	-	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	318.2
321.5	-	-	-	-	-	-	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	321.5
324.8	-	-	-	-	-	-	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	324.8

99,200 lb | 187,400 lb | 275,600 lb | 363,800 lb | 408,000 lb | 452,000 lb
 0 lb | 66,100 lb | 110,200 lb

39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ISO				
275.6 ft		295.3 ft		315.0 ft		SH+LF.1						
39.4 ft		78.7 ft		118.1 ft		39.4 ft		78.7 ft		39.4 ft		
15° 20° 30°		15° 20° 30°		15° 20° 30°		15° 20° 30°		15° 20° 30°		15° 20° 30°		
1,000 lb												
ft											ft	
45.9	348.3	-	-	-	-	-	-	-	-	-	-	45.9
49.2	327.4	269.0	-	-	-	-	-	-	-	-	-	49.2
52.5	306.4	262.4	-	-	-	-	-	-	-	-	-	52.5
55.8	288.8	256.8	165.3	-	-	-	-	-	-	-	-	55.8
59.1	271.2	251.3	162.0	177.5	-	-	-	-	-	-	-	59.1
62.3	255.7	245.8	159.8	173.1	-	-	-	-	-	-	-	62.3
65.6	240.3	240.3	157.6	168.7	129.0	-	-	-	-	-	-	65.6
68.9	228.7	229.8	154.9	164.2	126.2	-	-	-	-	-	-	68.9
72.2	217.2	219.4	152.1	159.8	123.5	-	-	-	-	-	-	72.2
78.7	196.2	198.4	147.7	152.1	117.9	76.7	106.7	101.6	-	-	-	78.7
82.0	186.8	189.0	146.1	148.8	115.7	75.5	99.4	-	-	-	-	82.0
85.3	177.5	179.7	144.4	145.5	113.5	74.3	97.2	77.2	-	-	-	85.3
91.9	162.0	164.2	140.0	138.9	109.8	72.3	93.0	74.1	-	-	-	91.9
98.4	147.7	149.9	136.7	132.3	105.8	70.1	89.3	71.4	-	-	-	98.4
101.7	141.9	143.9	134.8	129.8	104.0	69.2	87.6	70.2	45.4	-	-	101.7
111.5	124.6	125.7	129.0	122.4	98.5	66.4	82.7	66.6	43.4	-	-	111.5
124.7	103.0	104.3	106.5	110.0	92.2	63.1	76.5	62.4	41.0	-	-	124.7
137.8	85.1	86.2	88.6	93.9	86.9	60.2	71.0	58.4	39.0	81.6	83.1	137.8
150.9	70.1	71.2	73.2	79.4	81.4	57.5	66.1	54.9	37.0	66.6	67.9	150.9
164.0	57.8	58.6	60.4	66.6	68.6	55.1	61.9	51.8	35.3	54.2	55.3	164.0
177.2	47.4	48.3	49.8	55.8	57.8	53.1	58.4	48.9	33.7	43.9	44.8	177.2
190.3	38.6	39.5	40.8	46.7	48.3	51.1	52.9	46.5	32.4	35.1	35.9	190.3
203.4	31.3	32.0	33.1	39.0	40.3	43.0	44.8	44.8	31.1	27.6	28.4	203.4
216.5	24.7	25.4	26.2	32.2	33.5	35.7	37.7	39.7	30.0	21.2	21.8	216.5
229.7	19.2	19.6	20.5	26.2	27.3	29.3	31.5	33.3	28.9	15.4	16.1	229.7
236.2	16.7	17.1	17.9	23.6	24.5	26.5	28.8	30.5	28.4	12.9	13.6	236.2
239.5	15.4	15.9	-	22.3	23.3	25.1	27.4	29.2	28.2	11.6	12.3	239.5
242.8	14.1	14.6	-	20.9	22.0	23.8	26.0	27.8	28.0	10.4	11.0	242.8
249.3	12.0	12.3	-	18.6	19.6	21.3	23.6	25.3	26.7	8.2	8.6	249.3
255.9	9.9	10.1	-	16.3	17.2	18.7	21.2	22.7	25.4	-	-	255.9
262.5	7.9	8.2	-	14.2	15.0	16.4	19.1	20.5	22.9	-	-	262.5
269.0	-	-	-	12.1	12.8	14.1	17.0	18.3	20.5	-	-	269.0
272.3	-	-	-	11.2	11.8	13.1	16.0	17.3	19.5	-	-	272.3
275.6	-	-	-	10.3	10.9	12.1	15.0	16.2	18.4	-	-	275.6
278.9	-	-	-	9.3	10.0	-	14.0	15.2	17.4	-	-	278.9
282.2	-	-	-	8.4	9.0	-	13.0	14.1	16.3	-	-	282.2
285.4	-	-	-	-	8.2	-	12.1	13.2	15.3	-	-	285.4
295.3	-	-	-	-	-	-	9.5	10.6	12.3	-	-	295.3
301.8	-	-	-	-	-	-	7.7	8.8	10.5	-	-	301.8
305.1	-	-	-	-	-	-	-	7.9	9.5	-	-	305.1
308.4	-	-	-	-	-	-	-	-	8.6	-	-	308.4
311.7	-	-	-	-	-	-	-	-	7.9	-	-	311.7

99,200 lb
 187,400 lb
 275,600 lb
 363,800 lb
 408,000 lb
 452,000 lb

0 lb
 66,100 lb
 110,200 lb

		39.4-118.1 ft			27.6 ft			32.2 ft/s			360°			ISO						
		157.5 ft						177.2 ft												
		LH+LF_1																		
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft			
		15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	
ft		1,000 lb																		ft
32.8	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8
36.1	374.8	291.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	357.1	280.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4
42.7	342.8	270.1	180.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7
45.9	328.5	260.1	176.4	190.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	316.4	252.4	172.0	183.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.2
52.5	304.2	244.7	167.6	176.4	140.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5
55.8	293.2	237.0	163.7	169.8	135.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.8
59.1	282.2	229.3	159.8	163.1	131.2	-	117.9	-	-	-	-	-	-	-	-	-	-	-	-	59.1
62.3	273.4	223.8	156.5	157.6	127.3	-	114.1	-	-	-	-	-	-	-	-	-	-	114.6	-	62.3
65.6	264.6	218.3	153.2	152.1	123.5	84.4	110.2	-	-	-	-	-	-	-	-	-	-	111.3	-	65.6
68.9	256.8	212.7	150.5	147.2	120.2	82.7	106.7	86.2	-	-	-	-	-	-	-	-	-	108.1	-	68.9
72.2	249.1	207.2	147.7	142.2	116.8	80.9	103.2	83.8	-	-	-	-	-	-	-	-	-	104.9	84.4	72.2
78.7	233.7	196.2	142.2	134.5	110.2	77.6	97.2	79.4	-	-	-	-	-	-	-	-	-	80.2	-	78.7
85.3	213.8	187.4	136.7	126.8	105.4	74.3	91.9	75.4	-	-	-	-	-	-	-	-	-	76.3	-	85.3
88.6	203.4	183.5	134.5	123.5	102.8	72.9	89.5	73.6	49.2	-	-	-	-	-	-	-	-	74.6	49.2	88.6
91.9	192.9	179.7	132.3	120.2	100.3	71.4	87.1	71.9	48.1	-	-	-	-	-	-	-	-	73.0	48.3	91.9
98.4	175.3	172.0	127.9	113.5	95.9	68.8	82.5	68.3	46.1	-	-	-	-	-	-	-	-	70.3	84.7	98.4
111.5	146.6	147.7	120.2	103.6	88.0	64.2	74.3	62.4	42.8	-	-	-	-	-	-	-	-	65.7	76.7	111.5
124.7	125.7	125.7	114.6	95.0	81.4	60.2	67.7	57.3	39.7	-	-	-	-	-	-	-	-	61.9	69.9	124.7
137.8	108.9	109.3	110.0	87.7	75.8	56.9	62.4	52.9	37.3	-	-	-	-	-	-	-	-	58.4	64.4	137.8
150.9	95.2	95.5	96.1	81.6	71.0	54.0	58.2	49.6	35.1	-	-	-	-	-	-	-	-	55.6	60.2	150.9
154.2	92.4	92.6	93.0	80.2	69.9	53.4	57.2	48.8	34.6	-	-	-	-	-	-	-	-	55.0	59.2	154.2
164.0	84.0	84.2	-	76.3	66.8	51.6	54.2	46.5	33.1	-	-	-	-	-	-	-	-	53.1	56.4	164.0
167.3	81.7	81.9	-	75.2	66.0	51.1	53.3	45.8	32.7	-	-	-	-	-	-	-	-	52.6	55.6	167.3
173.9	77.1	77.2	-	73.0	64.3	50.1	51.4	44.4	31.9	-	-	-	-	-	-	-	-	51.5	53.8	173.9
177.2	74.7	-	-	71.9	63.5	49.6	50.5	43.7	31.5	-	-	-	-	-	-	-	-	50.9	52.9	177.2
180.4	72.8	-	-	70.9	62.8	49.2	49.7	43.0	31.1	-	-	-	-	-	-	-	-	50.5	52.1	180.4
187.0	-	-	-	68.9	61.3	48.4	48.2	41.8	30.4	-	-	-	-	-	-	-	-	49.6	50.4	187.0
190.3	-	-	-	67.9	60.6	48.1	47.4	41.2	30.0	-	-	-	-	-	-	-	-	49.2	49.6	190.3
193.6	-	-	-	67.1	60.0	47.6	46.7	40.7	29.7	-	-	-	-	-	-	-	-	48.9	48.9	193.6
196.9	-	-	-	66.4	59.3	-	46.0	40.1	29.4	-	-	-	-	-	-	-	-	48.4	48.3	196.9
203.4	-	-	-	63.1	58.2	-	44.5	39.0	28.9	-	-	-	-	-	-	-	-	47.8	47.0	203.4
206.7	-	-	-	61.6	57.7	-	44.0	38.5	28.6	-	-	-	-	-	-	-	-	47.4	46.3	206.7
210.0	-	-	-	60.1	57.1	-	43.4	38.0	28.3	-	-	-	-	-	-	-	-	45.6	39.7	210.0
216.5	-	-	-	57.1	-	-	42.1	37.0	27.8	-	-	-	-	-	-	-	-	44.3	38.8	216.5
226.4	-	-	-	-	-	-	40.6	35.9	27.3	-	-	-	-	-	-	-	-	42.7	37.5	226.4
229.7	-	-	-	-	-	-	40.1	35.5	27.1	-	-	-	-	-	-	-	-	42.1	37.0	229.7
236.2	-	-	-	-	-	-	39.2	34.8	-	-	-	-	-	-	-	-	-	41.1	36.3	236.2
242.8	-	-	-	-	-	-	38.4	34.2	-	-	-	-	-	-	-	-	-	40.1	35.5	242.8
246.1	-	-	-	-	-	-	38.0	33.8	-	-	-	-	-	-	-	-	-	39.7	35.2	246.1
249.3	-	-	-	-	-	-	37.6	33.5	-	-	-	-	-	-	-	-	-	39.2	34.9	249.3
255.9	-	-	-	-	-	-	36.8	-	-	-	-	-	-	-	-	-	-	38.6	34.2	255.9
265.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.4	33.5	265.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.0	-	269.0
272.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.6	-	272.3

99,200 lb
 187,400 lb
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 110,200 lb

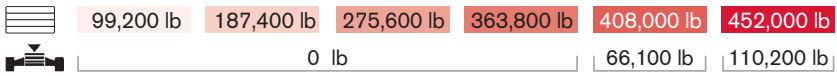
39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ISO											
196.9 ft										216.5 ft									
LH+LF_1																			
39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft				
15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°		
ft																			
1,000 lb																			
ft																			
36.1	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	379.2	291.0	-	-	-	-	-	-	-	-	-	370.4	-	-	-	-	-	-	39.4
42.7	364.9	282.2	-	-	-	-	-	-	-	-	-	359.4	286.6	-	-	-	-	-	42.7
45.9	350.5	273.4	180.8	-	-	-	-	-	-	-	-	348.3	277.8	181.9	-	-	-	-	45.9
49.2	338.4	265.7	176.9	190.7	-	-	-	-	-	-	-	337.3	271.2	178.6	-	-	-	-	49.2
52.5	326.3	257.9	173.1	184.1	-	-	-	-	-	-	-	326.3	264.6	175.3	186.3	-	-	-	52.5
55.8	316.4	251.3	169.8	178.0	140.0	-	-	-	-	-	-	317.5	257.9	172.0	180.8	-	-	-	55.8
59.1	306.4	244.7	166.4	172.0	135.6	-	-	-	-	-	-	308.6	251.3	168.7	175.3	137.8	-	-	59.1
62.3	296.5	238.1	163.1	167.0	132.3	-	-	115.7	-	-	-	292.1	244.7	165.3	170.3	134.5	-	-	62.3
65.6	286.6	231.5	159.8	162.0	129.0	-	-	112.4	-	-	-	275.6	238.1	162.0	165.3	131.2	-	112.4	65.6
68.9	272.3	226.0	157.1	157.1	125.7	83.8	109.2	-	-	-	-	262.4	232.6	159.3	160.9	127.9	84.0	109.8	68.9
72.2	257.9	220.5	154.3	152.1	122.4	82.0	106.0	85.1	-	-	-	249.1	227.1	156.5	156.5	124.6	82.5	107.1	72.2
75.5	245.8	216.1	151.6	147.7	119.6	80.6	103.2	83.0	-	-	-	237.0	222.7	154.3	152.1	121.8	81.0	104.4	75.5
78.7	233.7	211.6	148.8	143.3	116.8	79.1	100.3	80.9	-	-	-	224.9	218.3	152.1	147.7	119.0	79.6	101.6	78.7
85.3	209.4	202.8	144.4	136.7	111.3	76.5	95.5	77.2	-	-	-	206.1	208.3	146.6	141.1	113.5	77.2	96.6	85.3
91.9	188.5	189.6	140.0	129.0	106.7	73.9	90.8	73.9	48.5	-	-	185.2	186.3	142.2	133.4	109.3	74.7	92.4	91.9
98.4	169.8	170.9	135.6	123.5	102.3	71.4	86.6	70.8	46.7	-	-	167.6	168.7	138.9	127.9	104.9	72.3	88.2	98.4
111.5	141.1	142.2	127.9	112.4	94.4	67.2	78.9	65.0	43.7	-	-	138.9	140.0	131.2	116.8	97.2	68.1	80.7	111.5
124.7	120.2	120.2	122.4	104.1	87.7	63.3	72.1	60.2	40.8	-	-	116.8	117.9	119.0	108.2	90.6	64.6	74.1	124.7
137.8	103.2	103.8	104.9	96.3	82.0	60.0	66.6	56.0	38.4	-	-	100.1	101.0	102.1	100.5	84.9	61.3	68.6	137.8
150.9	89.3	89.9	90.8	89.9	76.9	57.1	61.9	52.2	36.2	-	-	86.2	86.9	88.0	91.9	79.8	58.4	63.7	150.9
164.0	78.0	78.5	79.4	83.1	72.8	54.5	58.2	49.4	34.4	-	-	75.0	75.4	76.3	80.2	75.4	55.8	59.7	164.0
177.2	68.6	69.0	69.7	73.2	69.0	52.2	54.9	46.7	32.8	-	-	65.3	65.7	66.6	70.5	71.4	53.6	56.7	177.2
183.7	64.5	64.9	65.3	69.1	67.4	51.4	53.3	45.5	32.1	-	-	61.0	61.4	62.2	66.4	67.2	52.7	55.1	183.7
190.3	60.4	60.8	-	65.0	65.7	50.5	51.8	44.3	31.3	-	-	56.7	57.1	57.8	62.2	63.1	51.8	53.6	190.3
196.9	56.8	57.2	-	61.4	62.1	49.7	50.4	43.1	30.7	-	-	53.0	53.3	53.8	58.4	59.3	50.9	52.1	196.9
203.4	53.1	53.6	-	57.8	58.4	48.9	48.9	42.1	30.0	-	-	49.4	49.6	-	54.7	55.6	50.0	50.7	203.4
213.3	48.5	-	-	53.0	53.6	48.0	47.0	40.6	29.2	-	-	44.6	44.8	-	49.5	50.4	48.9	48.7	213.3
216.5	-	-	-	51.4	52.0	47.6	46.3	40.1	28.9	-	-	43.0	43.2	-	47.8	48.7	48.5	48.1	216.5
219.8	-	-	-	49.8	50.5	47.4	45.7	39.7	28.7	-	-	41.6	41.9	-	46.4	47.2	47.3	47.5	219.8
229.7	-	-	-	45.6	46.1	-	44.1	38.4	28.0	-	-	37.5	-	-	42.1	42.8	43.9	45.6	229.7
232.9	-	-	-	44.4	44.8	-	43.5	38.0	27.8	-	-	36.4	-	-	40.8	41.4	42.4	44.3	232.9
236.2	-	-	-	43.1	43.4	-	43.0	37.6	27.7	-	-	-	-	-	39.6	40.1	41.0	43.0	236.2
242.8	-	-	-	40.6	40.8	-	42.1	36.8	27.3	-	-	-	-	-	37.0	37.5	-	40.3	242.8
252.6	-	-	-	37.0	-	-	39.6	35.8	26.8	-	-	-	-	-	33.5	34.0	-	36.9	252.6
255.9	-	-	-	-	-	-	38.8	35.5	26.7	-	-	-	-	-	32.4	32.8	-	35.7	255.9
259.2	-	-	-	-	-	-	37.8	35.2	26.5	-	-	-	-	-	31.4	31.7	-	34.6	259.2
269.0	-	-	-	-	-	-	34.6	34.2	-	-	-	-	-	-	28.4	-	-	31.3	269.0
272.3	-	-	-	-	-	-	33.6	33.4	-	-	-	-	-	-	-	-	-	30.4	272.3
282.2	-	-	-	-	-	-	30.6	31.1	-	-	-	-	-	-	-	-	-	27.6	282.2
288.7	-	-	-	-	-	-	28.9	-	-	-	-	-	-	-	-	-	-	25.8	288.7
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.0	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	308.4

99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb	452,000 lb
0 lb					
66,100 lb		110,200 lb			

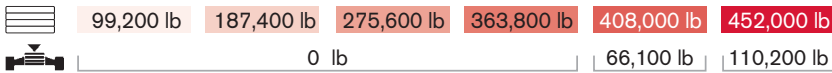
39.4-118.1 ft														27.6 ft				32.2 ft/s				360°		ISO	
236.2 ft														246.1 ft											
LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3													
39.4 ft				78.7 ft				118.1 ft				39.4 ft													
15°		20°		30°		15°		20°		30°		15°		20°		30°		15°		20°					
ft														1,000 lb				ft							
39.4	352.7	-	-	341.7	-	-	-	-	-	-	-	-	-	339.5	-	-	39.4								
42.7	342.8	291.0	-	335.1	251.3	-	-	-	-	-	-	-	-	334.0	-	-	42.7								
45.9	332.9	282.2	-	328.5	244.7	-	-	-	-	-	-	-	-	328.5	246.9	-	45.9								
49.2	324.1	275.6	179.7	319.7	239.2	-	-	-	-	-	-	-	-	321.9	240.3	-	49.2								
52.5	315.3	269.0	176.4	310.9	233.7	187.4	-	-	-	-	-	-	-	315.3	233.7	-	52.5								
59.1	297.6	255.7	170.9	293.2	222.7	176.4	138.9	-	-	-	-	-	-	291.0	224.9	-	59.1								
65.6	266.8	244.7	164.2	266.8	212.7	167.6	132.3	-	113.5	-	-	-	-	262.4	215.0	-	65.6								
72.2	240.3	233.7	159.8	240.3	202.8	158.7	126.8	82.7	107.8	-	-	-	-	235.9	205.0	-	72.2								
75.5	229.8	227.1	157.1	229.3	199.0	155.4	124.0	81.4	105.2	83.6	-	-	-	224.9	201.2	-	75.5								
78.7	219.4	220.5	154.3	218.3	195.1	152.1	121.3	80.0	102.5	81.6	-	-	-	213.8	197.3	-	78.7								
85.3	199.5	201.7	149.9	199.5	187.4	144.4	115.7	77.6	97.7	78.3	-	-	-	195.1	189.6	-	85.3								
91.9	183.0	185.2	145.5	183.0	180.8	137.8	111.3	75.2	93.3	75.2	-	-	-	179.7	180.8	-	91.9								
95.1	174.2	175.8	143.3	174.2	173.6	134.5	109.5	74.1	91.4	73.7	47.6	-	-	172.0	173.1	-	95.1								
98.4	165.3	166.4	141.1	165.3	166.4	131.2	107.6	73.0	89.5	72.3	46.7	-	-	164.2	165.3	-	98.4								
111.5	136.7	137.8	134.5	136.7	137.8	121.3	99.9	69.0	82.2	67.0	44.1	-	-	134.5	136.7	-	111.5								
124.7	114.6	115.7	116.8	114.6	115.7	111.3	93.3	65.5	75.8	62.4	41.4	-	-	113.5	113.5	-	124.7								
137.8	98.1	98.8	100.3	97.7	98.5	104.3	87.3	62.4	70.1	58.4	39.2	-	-	96.1	97.0	-	137.8								
150.9	84.2	84.9	86.0	83.8	84.7	90.2	82.5	59.7	65.3	54.7	37.3	-	-	82.2	82.9	-	150.9								
164.0	72.8	73.2	74.3	72.3	73.0	78.5	77.8	57.1	61.3	51.6	35.3	-	-	70.3	71.2	-	164.0								
177.2	62.6	63.1	64.2	62.2	62.8	68.6	69.7	54.9	58.0	48.9	33.7	-	-	60.2	60.8	-	177.2								
190.3	54.0	54.5	55.3	53.6	54.0	60.0	61.1	52.9	55.1	46.5	32.4	-	-	51.6	52.0	-	190.3								
203.4	46.5	47.0	47.6	46.1	46.5	52.2	53.1	51.1	52.2	44.5	31.1	-	-	44.1	44.5	-	203.4								
210.0	43.3	43.8	44.3	43.0	43.3	48.8	49.7	50.3	50.9	43.4	30.5	-	-	40.9	41.3	-	210.0								
216.5	40.1	40.6	-	39.9	40.1	45.4	46.3	47.8	49.4	42.3	30.0	-	-	37.7	38.1	-	216.5								
229.7	34.6	35.1	-	34.4	34.6	39.7	40.3	41.7	43.4	40.6	28.9	-	-	32.2	32.4	-	229.7								
236.2	32.3	32.4	-	32.0	32.2	37.1	37.7	38.9	40.8	39.8	28.4	-	-	29.8	30.0	-	236.2								
242.8	30.0	-	-	29.5	-	34.6	35.1	36.2	38.1	39.0	28.0	-	-	27.3	27.6	-	242.8								
249.3	27.8	-	-	27.3	-	32.3	32.8	33.7	35.7	36.7	27.7	-	-	25.2	-	-	249.3								
255.9	-	-	-	-	-	30.0	30.4	-	33.3	34.4	27.3	-	-	23.1	-	-	255.9								
269.0	-	-	-	-	-	25.8	26.2	-	29.1	30.0	26.7	-	-	-	-	-	269.0								
275.6	-	-	-	-	-	24.0	24.5	-	27.2	28.0	26.5	-	-	-	-	-	275.6								
282.2	-	-	-	-	-	22.3	-	-	25.4	26.0	26.2	-	-	-	-	-	282.2								
285.4	-	-	-	-	-	21.4	-	-	24.5	25.1	26.0	-	-	-	-	-	285.4								
295.3	-	-	-	-	-	-	-	-	21.8	22.5	-	-	-	-	-	-	295.3								
308.4	-	-	-	-	-	-	-	-	18.7	19.2	-	-	-	-	-	-	308.4								
311.7	-	-	-	-	-	-	-	-	18.0	18.3	-	-	-	-	-	-	311.7								
321.5	-	-	-	-	-	-	-	-	15.7	-	-	-	-	-	-	-	321.5								
324.8	-	-	-	-	-	-	-	-	15.0	-	-	-	-	-	-	-	324.8								

	99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb	452,000 lb
	0 lb		66,100 lb		110,200 lb	

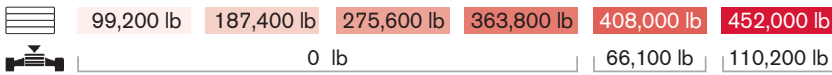
		39.4-118.1 ft				27.6 ft				32.2 ft/s				360°		ISO			
		255.9 ft								265.7 ft									
		LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3					
		39.4 ft				78.7 ft				118.1 ft				39.4 ft					
		15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°					
ft		1,000 lb																ft	
42.7	319.7	-	-	348.3	-	-	-	-	-	-	-	-	-	350.5	-	42.7			
45.9	310.9	275.6	-	337.3	249.1	-	-	-	-	-	-	-	-	341.7	249.1	45.9			
52.5	293.2	262.4	178.6	317.5	235.9	-	-	-	-	-	-	-	-	319.7	238.1	52.5			
55.8	285.5	255.7	175.3	303.1	230.4	177.5	-	-	-	-	-	-	-	302.0	232.6	55.8			
59.1	277.8	249.1	172.0	288.8	224.9	174.2	-	-	-	-	-	-	-	284.4	227.1	59.1			
62.3	266.8	243.6	169.2	274.5	221.0	170.3	136.7	-	-	-	-	-	-	269.0	222.7	62.3			
65.6	255.7	238.1	166.4	260.1	217.2	166.4	133.4	-	-	-	-	-	-	253.5	218.3	65.6			
68.9	243.6	232.6	163.7	246.9	212.2	162.6	130.6	-	110.2	-	-	-	-	241.4	213.8	68.9			
72.2	231.5	227.1	160.9	233.7	207.2	158.7	127.9	82.9	108.2	-	-	-	-	229.3	209.4	72.2			
78.7	210.5	212.7	156.5	213.8	199.5	152.1	122.4	80.2	103.2	81.8	-	-	-	208.3	201.7	78.7			
85.3	191.8	194.0	152.1	195.1	191.8	145.5	117.9	78.0	98.3	78.7	-	-	-	190.7	192.9	85.3			
91.9	176.4	177.5	147.7	179.7	180.8	138.9	113.5	75.8	94.1	75.6	-	-	-	175.3	176.4	91.9			
95.1	169.2	170.3	146.1	172.5	173.6	136.1	111.7	74.7	92.3	74.2	47.6	-	-	168.1	169.2	95.1			
98.4	162.0	163.1	144.4	165.3	166.4	133.4	109.8	73.6	90.4	72.8	47.0	-	-	160.9	162.0	98.4			
111.5	133.4	134.5	136.7	136.7	137.8	123.5	102.3	69.9	83.6	67.9	44.1	-	-	134.5	135.6	111.5			
124.7	111.3	112.4	114.6	114.6	115.7	113.5	95.7	66.4	77.4	63.3	41.7	-	-	112.4	113.5	124.7			
137.8	95.0	95.9	97.4	97.7	98.3	101.9	89.7	63.3	71.9	59.3	39.5	-	-	95.5	96.3	137.8			
150.9	80.9	81.8	83.1	83.8	84.4	87.5	84.7	60.6	67.0	55.8	37.5	-	-	81.4	82.2	150.9			
164.0	69.0	69.7	71.0	72.1	72.8	75.6	76.9	58.2	62.8	52.7	35.7	-	-	69.4	70.1	164.0			
177.2	58.6	59.3	60.6	61.9	62.6	65.5	67.0	56.0	59.3	49.8	34.2	-	-	59.1	59.7	177.2			
190.3	50.0	50.7	51.6	53.4	53.8	56.4	57.8	54.0	56.4	47.6	32.8	-	-	50.5	51.1	190.3			
203.4	42.5	43.2	44.1	45.9	46.3	48.7	49.8	52.0	53.4	45.4	31.5	-	-	43.0	43.7	203.4			
216.5	36.2	36.6	37.5	39.5	39.9	42.1	43.0	44.8	46.5	43.4	30.4	-	-	36.6	37.0	216.5			
223.1	33.4	33.8	34.4	36.7	37.0	39.1	40.0	41.7	43.4	42.5	29.9	-	-	33.8	34.3	223.1			
229.7	30.6	31.1	-	34.0	34.4	36.2	37.0	38.6	40.3	41.7	29.3	-	-	31.1	31.5	229.7			
242.8	25.8	26.0	-	29.1	29.3	31.1	31.7	33.1	35.1	36.2	28.4	-	-	26.2	26.5	242.8			
252.6	22.6	22.9	-	26.0	26.0	27.6	28.3	29.4	31.4	32.5	27.8	-	-	22.9	23.1	252.6			
255.9	21.6	-	-	24.9	-	26.5	27.1	28.2	30.2	31.3	27.6	-	-	21.8	22.0	255.9			
259.2	20.6	-	-	23.9	-	25.4	26.1	27.1	29.2	30.2	27.4	-	-	20.9	21.2	259.2			
262.5	19.7	-	-	22.9	-	24.4	25.0	26.0	28.1	29.1	27.2	-	-	20.0	-	262.5			
265.7	18.7	-	-	22.0	-	23.3	24.0	-	27.1	28.0	27.1	-	-	19.0	-	265.7			
269.0	-	-	-	-	-	22.3	22.9	-	26.0	26.9	26.9	-	-	18.1	-	269.0			
272.3	-	-	-	-	-	21.3	22.0	-	25.0	25.9	26.3	-	-	17.2	-	272.3			
282.2	-	-	-	-	-	18.5	19.2	-	22.0	22.9	24.5	-	-	-	-	282.2			
292.0	-	-	-	-	-	16.0	16.5	-	19.4	20.3	21.6	-	-	-	-	292.0			
295.3	-	-	-	-	-	15.2	-	-	18.5	19.4	20.7	-	-	-	-	295.3			
301.8	-	-	-	-	-	13.7	-	-	17.0	17.7	19.0	-	-	-	-	301.8			
308.4	-	-	-	-	-	-	-	-	15.4	16.1	-	-	-	-	-	308.4			
321.5	-	-	-	-	-	-	-	-	12.6	13.0	-	-	-	-	-	321.5			
328.1	-	-	-	-	-	-	-	-	11.1	11.7	-	-	-	-	-	328.1			
334.6	-	-	-	-	-	-	-	-	9.7	-	-	-	-	-	-	334.6			
341.2	-	-	-	-	-	-	-	-	8.6	-	-	-	-	-	-	341.2			



39.4-118.1 ft														27.6 ft		32.2 ft/s		360°		ISO	
275.6 ft														285.4 ft							
LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3									
39.4 ft				78.7 ft				118.1 ft				39.4 ft									
15°		20°		30°		15°		20°		30°		15°		20°		30°					
1,000 lb																					
ft													ft								
42.7	302.0	-	-	339.5	-	-	-	-	-	-	-	-	-	-	-	-	42.7				
45.9	297.6	273.4	-	332.9	251.3	-	-	-	-	-	-	-	-	-	321.9	-	45.9				
49.2	294.3	271.2	-	323.0	245.8	-	-	-	-	-	-	-	-	-	314.2	246.9	49.2				
52.5	291.0	269.0	179.7	313.1	240.3	-	-	-	-	-	-	-	-	-	306.4	240.3	52.5				
55.8	283.3	265.7	176.9	296.5	234.8	177.5	-	-	-	-	-	-	-	-	289.9	235.9	55.8				
59.1	275.6	262.4	174.2	280.0	229.3	174.2	-	-	-	-	-	-	-	-	273.4	231.5	59.1				
62.3	262.4	256.8	171.4	264.6	224.9	172.0	136.7	-	-	-	-	-	-	-	259.0	227.1	62.3				
65.6	249.1	251.3	168.7	249.1	220.5	169.8	133.4	-	-	-	-	-	-	-	244.7	222.7	65.6				
68.9	237.0	239.2	165.9	237.0	216.1	166.4	131.2	-	-	110.2	-	-	-	-	232.6	218.3	68.9				
72.2	224.9	227.1	163.1	224.9	211.6	163.1	129.0	-	-	108.0	-	-	-	-	220.5	213.8	72.2				
75.5	215.0	217.2	160.9	215.5	207.8	159.3	126.2	81.6	-	105.7	-	-	-	-	210.5	208.3	75.5				
78.7	205.0	207.2	158.7	206.1	203.9	155.4	123.5	80.5	103.4	81.6	-	-	-	-	200.6	202.8	78.7				
85.3	187.4	188.5	154.3	187.4	189.6	148.8	119.0	78.3	99.0	78.7	-	-	-	-	183.0	185.2	85.3				
91.9	170.9	173.1	149.9	172.0	174.2	143.3	115.7	76.1	95.0	75.8	-	-	-	-	167.6	169.8	91.9				
98.4	157.6	158.7	146.6	158.7	159.8	137.8	111.3	74.3	91.3	73.2	46.7	-	-	-	154.3	155.4	98.4				
111.5	133.4	134.5	136.7	133.4	134.5	127.9	104.5	70.5	84.9	68.3	44.1	-	-	-	131.2	132.3	111.5				
124.7	111.3	112.4	113.5	111.3	112.4	117.9	97.9	67.2	78.9	64.2	41.9	-	-	-	109.6	110.2	124.7				
137.8	93.9	94.8	96.6	94.6	95.5	101.0	92.2	64.4	73.6	60.4	39.9	-	-	-	92.4	93.3	137.8				
150.9	80.0	80.7	82.2	80.7	81.4	86.4	87.1	61.7	68.8	56.9	37.9	-	-	-	77.8	78.9	150.9				
164.0	67.7	68.6	70.1	68.3	69.2	74.7	76.1	59.3	64.6	53.8	36.2	-	-	-	65.7	66.6	164.0				
177.2	57.5	58.2	59.5	58.2	58.9	64.4	65.9	57.1	61.1	50.9	34.6	-	-	-	55.3	56.2	177.2				
190.3	48.7	49.4	50.5	49.6	50.0	55.3	56.7	54.9	58.0	48.7	33.3	-	-	-	46.5	47.4	190.3				
203.4	41.4	41.9	42.8	42.1	42.5	47.6	48.7	50.9	52.2	46.7	32.0	-	-	-	39.2	39.7	203.4				
216.5	34.8	35.5	36.2	35.7	36.2	40.8	41.9	43.9	45.2	44.8	30.9	-	-	-	32.6	33.3	216.5				
229.7	29.3	29.8	30.4	30.0	30.4	35.1	35.9	37.5	39.2	40.6	29.8	-	-	-	27.1	27.6	229.7				
239.5	25.7	26.0	26.7	26.3	26.8	31.1	32.0	33.4	35.1	36.4	29.1	-	-	-	23.3	23.7	239.5				
242.8	24.5	24.7	-	25.1	25.6	29.8	30.6	32.0	33.7	35.1	28.9	-	-	-	22.0	22.5	242.8				
255.9	20.1	20.5	-	20.7	21.2	25.1	25.8	27.1	28.9	30.2	28.2	-	-	-	17.9	18.1	255.9				
265.7	17.3	17.5	-	17.9	18.1	21.9	22.7	23.8	25.7	26.9	27.6	-	-	-	14.8	15.2	265.7				
269.0	16.3	16.5	-	17.0	-	20.9	21.6	22.7	24.7	25.8	27.3	-	-	-	13.9	14.1	269.0				
275.6	14.6	-	-	15.4	-	19.2	19.7	20.7	22.8	23.8	25.5	-	-	-	12.2	12.3	275.6				
282.2	13.0	-	-	13.7	-	17.4	17.9	-	20.7	21.8	23.6	-	-	-	10.6	-	282.2				
292.0	-	-	-	-	-	14.8	15.4	-	18.1	19.0	20.6	-	-	-	8.4	-	292.0				
295.3	-	-	-	-	-	13.9	14.6	-	17.2	18.1	19.6	-	-	-	-	-	295.3				
308.4	-	-	-	-	-	11.0	11.5	-	14.1	15.0	16.1	-	-	-	-	-	308.4				
315.0	-	-	-	-	-	9.7	-	-	12.7	13.4	14.6	-	-	-	-	-	315.0				
321.5	-	-	-	-	-	8.4	-	-	11.2	11.9	-	-	-	-	-	-	321.5				
334.6	-	-	-	-	-	-	-	-	8.6	9.0	-	-	-	-	-	-	334.6				
337.9	-	-	-	-	-	-	-	-	7.9	8.4	-	-	-	-	-	-	337.9				
341.2	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	-	-	341.2				



39.4-118.1 ft														27.6 ft		32.2 ft/s		360°		ISO	
295.3 ft														305.1 ft							
LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3									
39.4 ft				78.7 ft				118.1 ft				39.4 ft									
15°		20°		30°		15°		20°		30°		15°		20°		30°					
ft														1,000 lb		ft					
45.9	277.8	-	-	299.8	-	-	-	-	-	-	-	-	-	288.8	-	45.9					
49.2	274.5	249.1	-	295.4	249.1	-	-	-	-	-	-	-	-	284.4	249.1	49.2					
52.5	271.2	246.9	-	291.0	242.5	-	-	-	-	-	-	-	-	280.0	244.7	52.5					
55.8	265.7	243.6	177.5	280.0	238.1	-	-	-	-	-	-	-	-	272.3	239.2	55.8					
59.1	260.1	240.3	175.3	269.0	233.7	163.1	-	-	-	-	-	-	-	264.6	233.7	59.1					
65.6	240.3	233.7	169.8	242.5	222.7	158.7	133.4	-	-	-	-	-	-	235.9	224.9	65.6					
72.2	217.2	219.4	165.3	219.4	215.0	155.4	129.0	-	-	106.3	-	-	-	213.8	216.1	72.2					
75.5	207.2	208.9	163.1	209.4	208.3	153.2	126.8	81.6	104.5	-	-	-	-	203.9	206.1	75.5					
78.7	197.3	198.4	160.9	199.5	201.7	151.0	124.6	80.5	102.7	-	-	-	-	194.0	196.2	78.7					
82.0	188.5	190.1	158.7	190.7	192.9	148.8	122.4	79.4	101.0	80.0	-	-	-	185.7	187.4	82.0					
85.3	179.7	181.9	156.5	181.9	184.1	146.6	120.2	78.3	99.2	78.7	-	-	-	177.5	178.6	85.3					
91.9	164.2	166.4	152.1	166.4	168.7	142.2	115.7	76.3	95.5	75.8	-	-	-	162.0	164.2	91.9					
98.4	151.0	152.1	148.8	153.2	154.3	137.8	112.4	74.5	91.9	73.4	46.5	-	-	148.8	151.0	98.4					
111.5	127.9	130.1	132.3	131.2	132.3	129.0	106.3	71.0	85.5	68.8	44.1	-	-	126.8	127.9	111.5					
124.7	108.2	109.6	111.3	110.0	110.2	112.4	99.9	67.9	79.8	64.8	41.9	-	-	107.8	109.1	124.7					
137.8	90.8	91.9	93.7	92.8	93.7	98.1	94.1	65.0	74.7	61.1	39.9	-	-	90.4	91.5	137.8					
150.9	76.3	77.4	79.1	78.5	79.4	84.0	85.8	62.4	70.1	57.5	38.1	-	-	75.8	76.7	150.9					
164.0	63.9	65.0	66.6	66.1	67.0	71.9	73.6	60.2	65.9	54.5	36.4	-	-	63.5	64.4	164.0					
177.2	53.8	54.5	56.0	56.0	56.7	61.1	62.8	58.0	62.2	51.8	34.8	-	-	53.1	54.0	177.2					
190.3	45.0	45.6	47.0	47.2	47.8	52.0	53.6	56.0	57.3	49.4	33.5	-	-	44.3	45.0	190.3					
203.4	37.5	38.1	39.2	39.7	40.3	44.3	45.6	48.1	49.2	47.4	32.4	-	-	36.8	37.5	203.4					
216.5	31.1	31.5	32.6	33.3	33.7	37.5	38.6	40.8	42.1	44.1	31.3	-	-	30.4	30.9	216.5					
229.7	25.4	26.0	26.7	27.6	28.0	31.5	32.6	34.4	36.2	37.7	30.2	-	-	24.7	25.1	229.7					
242.8	20.5	20.9	21.6	22.7	23.1	26.2	27.3	28.9	30.6	32.2	29.3	-	-	19.8	20.3	242.8					
252.6	17.2	17.6	18.1	19.4	19.8	22.7	23.6	25.2	27.0	28.4	28.7	-	-	16.5	16.8	252.6					
255.9	16.1	16.5	-	18.3	18.7	21.6	22.5	24.0	25.8	27.1	28.4	-	-	15.4	15.7	255.9					
269.0	12.3	12.6	-	14.6	14.8	17.4	18.3	19.6	21.6	22.7	24.9	-	-	11.5	11.9	269.0					
282.2	8.8	9.0	-	11.0	11.2	13.7	14.3	15.4	17.6	18.7	20.7	-	-	7.9	8.4	282.2					
285.4	8.2	8.4	-	10.3	-	12.8	13.5	14.6	16.8	17.8	19.7	-	-	-	-	285.4					
292.0	-	-	-	8.9	-	11.2	11.8	12.8	15.0	15.9	17.7	-	-	-	-	292.0					
295.3	-	-	-	8.2	-	10.4	11.0	-	14.1	15.0	16.8	-	-	-	-	295.3					
305.1	-	-	-	-	-	8.2	8.7	-	11.6	12.6	14.1	-	-	-	-	305.1					
308.4	-	-	-	-	-	-	7.9	-	10.8	11.7	13.2	-	-	-	-	308.4					
321.5	-	-	-	-	-	-	-	-	7.9	8.8	10.1	-	-	-	-	321.5					
324.8	-	-	-	-	-	-	-	-	-	7.9	9.4	-	-	-	-	324.8					
328.1	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-	-	328.1					



		39.4-118.1 ft						27.6 ft		32.2 ft/s			360°		ISO		
		315.0 ft												324.8 ft			
		LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3			
		39.4 ft				78.7 ft				118.1 ft				39.4 ft			
		15°		20°		30°		15°		20°		30°		15°		20°	
ft		1,000 lb														ft	
45.9	246.9	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	243.6	224.9	-	271.2	251.3	-	-	-	-	-	-	-	-	260.1	-	-	49.2
52.5	240.3	222.7	-	266.8	244.7	-	-	-	-	-	-	-	-	255.7	246.9	-	52.5
55.8	238.1	219.9	178.6	262.4	240.3	-	-	-	-	-	-	-	-	251.3	241.4	-	55.8
59.1	235.9	217.2	176.4	257.9	235.9	147.7	-	-	-	-	-	-	-	246.9	235.9	-	59.1
65.6	229.3	211.6	170.9	233.7	227.1	144.4	124.6	-	-	-	-	-	-	227.1	227.1	-	65.6
72.2	209.4	206.1	166.4	210.5	212.7	140.0	121.3	-	-	-	-	-	-	205.0	208.3	-	72.2
75.5	200.1	199.5	164.2	201.2	203.4	137.8	120.2	-	96.8	-	-	-	-	195.7	198.4	-	75.5
78.7	190.7	192.9	162.0	191.8	194.0	135.6	119.0	80.2	95.7	-	-	-	-	186.3	188.5	-	78.7
82.0	181.9	184.1	159.8	183.0	185.2	133.9	117.4	79.3	94.5	79.4	-	-	-	178.0	180.2	-	82.0
85.3	173.1	175.3	157.6	174.2	176.4	132.3	115.7	78.3	93.3	78.0	-	-	-	169.8	172.0	-	85.3
91.9	158.7	160.9	154.3	159.8	162.0	127.9	112.4	76.3	90.8	75.6	-	-	-	155.4	156.5	-	91.9
98.4	145.5	147.7	149.9	146.6	148.8	123.5	110.0	74.5	88.4	73.2	-	-	-	142.2	144.4	-	98.4
101.7	140.0	141.9	144.4	141.1	143.0	121.8	108.5	73.7	87.2	72.1	45.6	-	-	136.7	138.9	-	101.7
111.5	123.5	124.6	127.9	124.6	125.7	116.8	104.1	71.2	83.6	68.8	44.1	-	-	120.2	122.4	-	111.5
124.7	106.0	107.4	109.8	107.1	108.2	108.9	98.8	68.1	78.9	64.8	41.9	-	-	103.2	104.5	-	124.7
137.8	89.1	89.9	91.9	89.7	90.8	94.1	93.5	65.5	74.5	61.3	39.9	-	-	87.1	88.4	-	137.8
150.9	74.1	75.2	77.2	75.0	75.8	81.8	83.8	62.8	70.3	58.0	38.1	-	-	72.1	73.2	-	150.9
164.0	61.7	62.6	64.4	62.6	63.5	69.7	71.7	60.6	66.6	55.1	36.6	-	-	59.7	60.6	-	164.0
177.2	51.4	52.2	53.8	52.2	53.1	59.1	60.8	58.6	63.1	52.5	35.1	-	-	49.4	50.3	-	177.2
190.3	42.5	43.4	44.8	43.4	44.1	49.8	51.4	54.2	55.3	50.0	33.7	-	-	40.6	41.4	-	190.3
203.4	35.1	35.7	37.0	35.9	36.6	42.1	43.4	46.1	47.2	47.8	32.6	-	-	33.1	33.7	-	203.4
216.5	28.7	29.1	30.2	29.3	30.0	35.3	36.6	38.8	40.1	42.1	31.5	-	-	26.5	27.1	-	216.5
229.7	22.9	23.4	24.5	23.8	24.3	29.3	30.4	32.6	34.0	35.7	30.4	-	-	20.7	21.4	-	229.7
242.8	17.9	18.5	19.2	18.7	19.2	24.0	25.1	26.9	28.7	30.2	29.5	-	-	15.9	16.3	-	242.8
255.9	13.7	13.9	14.8	14.3	14.8	19.4	20.3	22.0	23.8	25.1	28.0	-	-	11.2	11.9	-	255.9
265.7	10.7	11.1	11.7	11.5	11.8	16.3	17.1	18.6	20.5	21.8	24.4	-	-	8.4	8.8	-	265.7
269.0	9.7	10.1	-	10.6	10.8	15.2	16.1	17.4	19.4	20.7	23.1	-	-	-	7.7	-	269.0
275.6	7.9	8.2	-	8.8	9.0	13.3	14.0	15.5	17.4	18.7	21.0	-	-	-	-	-	275.6
278.9	-	-	-	7.9	8.2	12.4	13.1	14.6	16.4	17.7	20.0	-	-	-	-	-	278.9
282.2	-	-	-	-	-	11.5	12.1	13.4	15.4	16.8	19.0	-	-	-	-	-	282.2
295.3	-	-	-	-	-	8.2	8.8	9.9	11.9	13.0	15.0	-	-	-	-	-	295.3
298.6	-	-	-	-	-	-	7.9	9.0	11.1	12.2	14.1	-	-	-	-	-	298.6
301.8	-	-	-	-	-	-	-	8.2	10.4	11.4	13.2	-	-	-	-	-	301.8
308.4	-	-	-	-	-	-	-	-	8.8	9.7	11.5	-	-	-	-	-	308.4
311.7	-	-	-	-	-	-	-	-	7.9	8.9	10.6	-	-	-	-	-	311.7
315.0	-	-	-	-	-	-	-	-	-	8.2	9.8	-	-	-	-	-	315.0
321.5	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	321.5

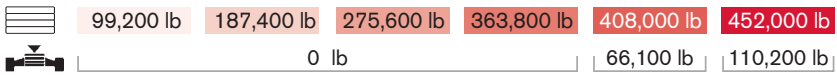
	99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb	452,000 lb
	0 lb		66,100 lb		110,200 lb	

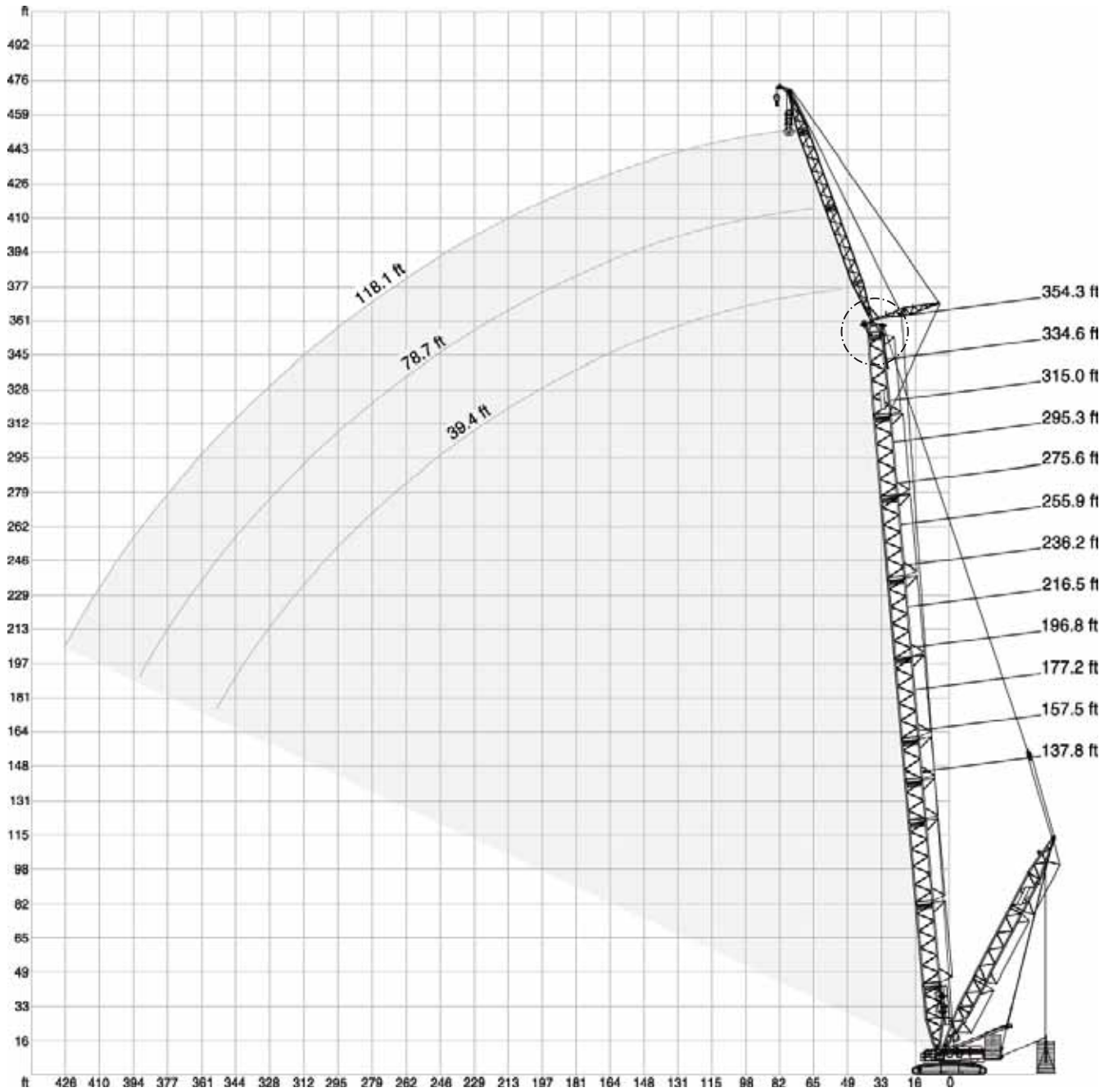
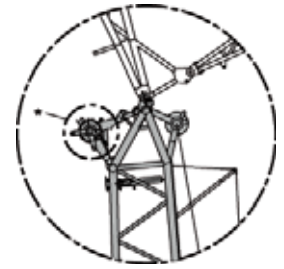
39.4-118.1 ft														27.6 ft		32.2 ft/s		360°		ISO	
334.6 ft														344.5 ft							
LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3									
39.4 ft				78.7 ft				118.1 ft				39.4 ft									
15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°						
ft														1,000 lb		ft					
49.2	227.1	-	-	253.5	-	-	-	-	-	-	-	-	-	242.5	-	49.2					
52.5	224.9	207.2	-	249.1	242.5	-	-	-	-	-	-	-	-	238.1	233.7	52.5					
59.1	219.4	201.7	167.6	244.7	238.1	-	-	-	-	-	-	-	-	233.7	229.3	59.1					
62.3	216.6	198.4	165.3	233.7	231.5	136.7	-	-	-	-	-	-	-	226.5	224.9	62.3					
65.6	213.8	195.1	163.1	222.7	224.9	134.5	-	-	-	-	-	-	-	219.4	220.5	65.6					
68.9	207.8	192.4	161.5	212.2	214.4	132.8	115.7	-	-	-	-	-	-	208.3	210.0	68.9					
72.2	201.7	189.6	159.8	201.7	203.9	131.2	113.5	-	-	-	-	-	-	197.3	199.5	72.2					
75.5	192.4	186.8	157.6	192.4	194.6	129.0	112.4	-	90.6	-	-	-	-	187.9	190.1	75.5					
78.7	183.0	184.1	155.4	183.0	185.2	126.8	111.3	80.0	89.5	-	-	-	-	178.6	180.8	78.7					
85.3	166.4	168.7	151.0	166.4	168.7	123.5	108.5	78.0	87.1	74.7	-	-	-	163.1	165.3	85.3					
91.9	152.1	153.2	146.6	152.1	154.3	119.0	105.4	76.3	84.7	73.0	-	-	-	148.8	151.0	91.9					
98.4	138.9	141.1	143.3	138.9	141.1	114.6	102.3	74.5	82.5	71.2	-	-	-	135.6	137.8	98.4					
101.7	133.7	135.6	138.1	133.7	135.6	113.0	100.9	73.7	81.2	70.3	45.4	-	-	130.1	132.3	101.7					
111.5	117.9	119.0	122.4	117.9	119.0	108.2	96.6	71.4	77.6	67.7	43.9	-	-	114.6	115.7	111.5					
124.7	100.3	101.9	104.3	100.5	101.9	101.4	91.3	68.6	73.2	64.4	41.9	-	-	97.7	99.0	124.7					
137.8	85.5	86.9	89.3	85.5	86.9	89.1	86.2	65.9	68.8	61.1	39.9	-	-	83.1	84.4	137.8					
150.9	70.3	71.7	73.9	70.5	71.7	76.9	79.1	63.3	64.8	58.0	38.4	-	-	68.6	69.9	150.9					
164.0	58.0	59.1	61.1	58.2	59.1	66.6	68.6	61.1	61.1	54.9	36.6	-	-	56.2	57.3	164.0					
177.2	47.6	48.5	50.3	47.8	48.7	55.8	57.8	59.1	57.5	52.2	35.3	-	-	45.9	46.7	177.2					
190.3	38.8	39.7	41.2	39.0	39.7	46.7	48.3	51.4	52.0	49.6	34.0	-	-	37.0	37.9	190.3					
203.4	31.3	32.0	33.3	31.3	32.2	38.8	40.3	43.2	44.3	46.5	32.6	-	-	29.3	30.2	203.4					
216.5	24.7	25.4	26.7	24.9	25.6	32.0	33.3	35.9	37.3	39.2	31.5	-	-	22.9	23.6	216.5					
229.7	19.2	19.6	20.7	19.2	19.8	26.0	27.1	29.5	31.1	32.8	30.9	-	-	17.2	17.9	229.7					
242.8	14.1	14.6	15.4	14.1	14.6	20.7	21.8	23.8	25.6	27.3	30.0	-	-	12.1	12.6	242.8					
252.6	10.8	11.2	12.1	10.8	11.2	17.1	18.2	20.0	21.9	23.4	26.3	-	-	8.6	9.3	252.6					
255.9	9.7	10.1	11.0	9.7	10.1	15.9	17.0	18.7	20.7	22.3	25.1	-	-	-	8.2	255.9					
259.2	8.6	9.1	9.9	8.6	9.1	14.8	15.9	17.6	19.6	21.1	23.9	-	-	-	-	259.2					
262.5	-	8.2	8.8	-	8.2	13.7	14.8	16.5	18.5	20.0	22.7	-	-	-	-	262.5					
265.7	-	-	7.7	-	-	12.7	13.8	15.4	17.4	18.8	21.6	-	-	-	-	265.7					
269.0	-	-	-	-	-	11.7	12.8	14.3	16.3	17.6	20.5	-	-	-	-	269.0					
282.2	-	-	-	-	-	7.9	8.8	10.4	12.3	13.7	16.1	-	-	-	-	282.2					
285.4	-	-	-	-	-	-	7.9	9.4	11.5	12.7	15.1	-	-	-	-	285.4					
288.7	-	-	-	-	-	-	-	8.4	10.6	11.8	14.1	-	-	-	-	288.7					
295.3	-	-	-	-	-	-	-	-	8.8	9.9	12.1	-	-	-	-	295.3					
298.6	-	-	-	-	-	-	-	-	7.9	9.0	11.2	-	-	-	-	298.6					
301.8	-	-	-	-	-	-	-	-	-	8.2	10.4	-	-	-	-	301.8					
308.4	-	-	-	-	-	-	-	-	-	-	8.6	-	-	-	-	308.4					
311.7	-	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	311.7					

99,200 lb
 187,400 lb
 275,600 lb
 363,800 lb
 408,000 lb
 452,000 lb

0 lb
 66,100 lb
 110,200 lb

		39.4-118.1 ft						27.6 ft		32.2 ft/s		360°			ISO
		354.3 ft						364.2 ft		374.0 ft					
		LH+LF_1		LH+LF_3		LH+LF_1		LH+LF_3		LH+LF_1					
		39.4 ft						78.7 ft		39.4 ft					
		15°		20°		30°		15°		20°		30°			
ft	1,000 lb														ft
49.2	212.7	-	-	231.5	-	-	-	-	-	-	-	-	-	-	49.2
52.5	210.5	194.0	-	229.3	222.7	-	-	-	-	219.4	-	196.2	-	-	52.5
55.8	207.8	191.3	-	227.1	221.0	-	-	-	-	216.6	212.7	193.5	185.2	-	55.8
59.1	205.0	188.5	157.6	224.9	219.4	-	-	-	-	213.8	210.5	190.7	183.0	-	59.1
62.3	202.3	186.3	156.0	219.9	217.2	129.0	-	-	-	211.1	208.9	188.5	180.8	152.1	62.3
65.6	199.5	184.1	154.3	215.0	215.0	126.8	-	-	-	208.3	207.2	186.3	178.6	151.0	65.6
68.9	196.8	181.3	152.1	203.9	205.6	124.6	109.1	-	-	199.0	199.5	183.5	176.4	149.4	68.9
72.2	194.0	178.6	149.9	192.9	196.2	122.4	107.6	-	-	189.6	191.8	180.8	174.2	147.7	72.2
78.7	175.3	173.1	145.5	175.3	177.5	119.0	104.5	-	-	170.9	173.1	167.6	169.8	144.4	78.7
82.0	167.0	167.0	143.9	167.0	169.2	117.4	103.1	78.5	-	163.1	165.3	159.8	162.0	142.7	82.0
85.3	158.7	160.9	142.2	158.7	160.9	115.7	101.6	77.6	-	155.4	157.6	152.1	154.3	141.1	85.3
91.9	145.5	147.7	137.8	145.5	146.6	111.3	98.8	75.8	-	141.1	143.3	138.9	140.0	137.8	91.9
98.4	132.3	134.5	134.5	132.3	134.5	108.5	95.9	74.1	-	129.0	131.2	126.8	127.9	132.3	98.4
111.5	111.3	113.5	116.8	111.3	113.5	101.6	90.6	71.0	-	108.9	110.2	106.0	107.8	110.2	111.5
124.7	95.0	96.3	99.2	94.6	96.1	95.2	85.3	68.3	-	91.7	93.3	89.3	90.8	93.7	124.7
137.8	80.7	82.0	84.4	80.5	81.8	84.4	80.7	65.7	-	77.6	78.9	75.2	76.5	79.1	137.8
150.9	67.0	68.3	70.5	66.8	68.1	72.3	74.5	63.3	-	64.8	66.1	63.3	64.6	66.8	150.9
164.0	54.5	55.8	57.8	54.2	55.3	61.9	64.2	61.1	-	52.5	53.6	50.7	52.0	54.2	164.0
177.2	44.1	45.2	47.0	43.9	45.0	52.7	54.7	58.4	-	41.9	43.0	40.3	41.4	43.4	177.2
190.3	35.3	36.2	37.9	35.1	35.9	43.7	45.4	48.7	-	33.1	34.0	31.5	32.4	34.2	190.3
203.4	27.8	28.7	30.0	27.3	28.2	35.7	37.3	40.3	-	25.4	26.2	23.8	24.7	26.2	203.4
216.5	21.2	21.8	23.1	20.9	21.6	28.7	30.2	33.1	-	18.7	19.6	17.2	18.1	19.4	216.5
229.7	15.4	16.1	17.2	15.2	15.9	22.7	24.0	26.7	-	13.0	13.7	11.5	12.1	13.4	229.7
236.2	12.9	13.6	14.6	12.7	13.2	20.1	21.4	23.7	-	10.5	11.1	8.8	9.5	10.8	236.2
239.5	11.6	12.3	13.2	11.4	11.9	18.7	20.1	22.3	-	9.2	9.9	-	8.2	9.5	239.5
242.8	10.4	11.0	11.9	10.1	10.6	17.4	18.7	20.9	-	7.9	8.6	-	-	8.2	242.8
249.3	8.2	8.6	9.6	7.7	8.4	14.9	16.2	18.4	-	-	-	-	-	-	249.3
252.6	-	-	8.4	-	-	13.7	15.0	17.1	-	-	-	-	-	-	252.6
255.9	-	-	-	-	-	12.6	13.9	15.9	-	-	-	-	-	-	255.9
269.0	-	-	-	-	-	8.4	9.5	11.2	-	-	-	-	-	-	269.0
272.3	-	-	-	-	-	-	8.4	10.2	-	-	-	-	-	-	272.3
278.9	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	278.9





* Attachable


363,800 lb +
 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	1,000 lb											
	0 t	716.6klb	0 t	716.6klb	0 t	716.6klb	0 t	716.6klb	0 t	716.6klb	0 t	716.6klb
36.1	357.1	357.1	-	-	-	-	-	-	-	-	-	-
39.4	339.5	339.5	264.6	264.6	-	-	-	-	-	-	-	-
42.7	324.1	324.1	254.6	254.6	168.7	168.7	-	-	-	-	-	-
45.9	308.6	308.6	244.7	244.7	164.2	164.2	-	-	-	-	-	-
49.2	295.4	295.4	235.9	235.9	159.8	159.8	174.2	174.2	-	-	-	-
52.5	282.2	282.2	227.1	227.1	155.4	155.4	166.4	166.4	-	-	-	-
55.8	272.3	272.3	219.9	219.9	151.6	151.6	159.8	159.8	127.9	127.9	-	-
59.1	262.4	262.4	212.7	212.7	147.7	147.7	153.2	153.2	123.5	123.5	-	-
62.3	252.4	252.4	206.7	206.7	144.4	144.4	147.7	147.7	119.6	119.6	110.2	111.3
65.6	242.5	242.5	200.6	200.6	141.1	141.1	142.2	142.2	115.7	115.7	79.1	79.1
72.2	227.1	227.1	189.6	189.6	135.6	135.6	132.3	132.3	108.7	108.7	75.2	75.2
78.7	213.8	213.8	179.7	179.7	130.1	130.1	123.5	123.5	102.5	102.5	71.7	71.7
85.3	201.7	201.7	170.9	170.9	124.6	124.6	116.8	116.8	97.0	97.0	68.6	68.6
88.6	196.2	196.2	166.4	166.4	122.4	122.4	113.4	113.4	94.6	94.6	67.1	67.1
91.9	190.7	190.7	162.0	162.0	120.2	120.2	110.0	110.0	92.2	92.2	65.7	65.7
98.4	173.1	181.9	155.4	155.4	116.8	116.8	104.1	104.1	87.7	87.7	63.1	63.1
111.5	146.6	165.7	140.7	143.7	110.4	110.4	94.4	94.4	80.4	80.4	58.8	58.8
124.7	124.4	152.1	124.6	133.7	104.9	104.9	85.9	85.9	73.9	73.9	55.0	55.0
137.8	106.5	141.1	106.9	125.7	100.5	100.5	78.7	78.7	68.3	68.3	51.6	51.6
144.4	100.0	137.1	100.4	122.7	94.6	98.8	75.9	75.9	66.2	66.2	50.3	50.3
150.9	93.5	133.0	93.8	119.8	-	-	73.1	73.1	64.1	64.1	49.1	49.1
157.5	87.1	129.0	87.3	116.8	-	-	70.3	70.3	61.9	61.9	47.8	47.8
164.0	81.8	125.7	-	-	-	-	68.2	68.2	60.3	60.3	46.9	46.9
177.2	-	-	-	-	-	-	63.9	63.9	56.9	56.9	45.0	45.0
180.4	-	-	-	-	-	-	63.1	63.1	56.3	56.3	44.8	44.8
190.3	-	-	-	-	-	-	60.7	60.7	54.5	54.5	-	-
196.9	-	-	-	-	-	-	59.1	59.1	53.4	53.4	-	-
203.4	-	-	-	-	-	-	58.0	58.0	-	-	-	-
216.5	-	-	-	-	-	-	-	-	-	-	37.5	37.5
219.8	-	-	-	-	-	-	-	-	-	-	37.0	37.0
229.7	-	-	-	-	-	-	-	-	-	-	35.7	35.7
236.2	-	-	-	-	-	-	-	-	-	-	34.8	34.8
239.5	-	-	-	-	-	-	-	-	-	-	34.4	34.4




 **363,800 lb +**
 **110,200 lb**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

ft	1,000 lb											
	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb
	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°
36.1	368.2	368.2	-	-	-	-	-	-	-	-	-	-
39.4	350.5	350.5	269.0	269.0	-	-	-	-	-	-	-	-
45.9	319.7	319.7	251.3	251.3	166.4	166.4	-	-	-	-	-	-
49.2	307.5	307.5	242.5	242.5	162.6	162.6	178.6	178.6	-	-	-	-
52.5	295.4	295.4	233.7	233.7	158.7	158.7	172.0	172.0	-	-	-	-
55.8	284.4	284.4	227.1	227.1	154.9	154.9	165.3	165.3	130.1	130.1	-	-
59.1	273.4	273.4	220.5	220.5	151.0	151.0	158.7	158.7	125.7	125.7	-	-
62.3	264.6	264.6	214.4	214.4	147.7	147.7	153.2	153.2	121.8	121.8	-	-
65.6	255.7	255.7	208.3	208.3	144.4	144.4	147.7	147.7	117.9	117.9	-	-
68.9	248.0	248.0	202.8	202.8	141.6	141.6	142.7	142.7	114.6	114.6	78.0	78.0
72.2	240.3	240.3	197.3	197.3	138.9	138.9	137.8	137.8	111.3	111.3	76.3	76.3
78.7	224.9	224.9	187.4	187.4	133.4	133.4	129.0	129.0	105.8	105.8	73.0	73.0
85.3	209.4	213.8	178.6	178.6	129.0	129.0	121.3	121.3	100.3	100.3	69.9	69.9
91.9	188.5	202.8	170.9	170.9	124.6	124.6	114.6	114.6	95.5	95.5	67.2	67.2
98.4	169.8	192.9	163.1	163.1	120.2	120.2	109.3	109.3	91.1	91.1	64.6	64.6
111.5	143.3	176.7	141.8	151.4	113.5	113.5	99.5	99.5	83.7	83.7	60.3	60.3
124.7	121.2	162.8	122.1	141.1	108.0	108.0	90.8	90.8	77.2	77.2	56.5	56.5
137.8	103.4	151.0	104.1	132.3	103.6	103.6	83.3	83.3	71.7	71.7	53.1	53.1
150.9	90.3	141.5	90.8	125.7	91.1	100.2	77.5	77.5	67.1	67.1	50.6	50.6
157.5	83.8	136.7	84.2	122.4	84.9	98.5	74.5	74.5	64.8	64.8	49.4	49.4
164.0	78.9	133.4	79.1	119.7	-	-	72.2	72.2	63.1	63.1	48.4	48.4
173.9	71.5	128.4	71.4	115.7	-	-	68.8	68.8	60.6	60.6	46.8	46.8
177.2	69.0	126.8	-	-	-	-	67.7	67.7	59.7	59.7	46.3	46.3
180.4	67.0	125.7	-	-	-	-	66.7	66.8	59.1	59.1	45.9	45.9
190.3	-	-	-	-	-	-	63.9	64.2	57.1	57.1	44.9	44.9
193.6	-	-	-	-	-	-	62.9	63.3	56.4	56.4	44.5	44.5
203.4	-	-	-	-	-	-	58.7	61.1	54.7	54.7	-	-
213.3	-	-	-	-	-	-	53.9	59.1	53.1	53.1	-	-
216.5	-	-	-	-	-	-	52.2	58.4	-	-	-	-
219.8	-	-	-	-	-	-	50.7	58.0	-	-	-	-
229.7	-	-	-	-	-	-	-	-	-	-	37.6	37.6
232.9	-	-	-	-	-	-	-	-	-	-	37.1	37.1
242.8	-	-	-	-	-	-	-	-	-	-	35.9	35.9
249.3	-	-	-	-	-	-	-	-	-	-	35.1	35.1
255.9	-	-	-	-	-	-	-	-	-	-	34.4	34.4


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb


 **363,800 lb +**
 **110,200 lb**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

ft	177.2 ft															
	SSL+LF_1															
	39.4 ft				78.7 ft				118.1 ft							
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb
	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	
39.4	359.4	359.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.7	345.0	345.0	264.6	264.6	-	-	-	-	-	-	-	-	-	-	-	-
45.9	330.7	330.7	257.9	257.9	168.7	168.7	-	-	-	-	-	-	-	-	-	-
52.5	306.4	306.4	240.3	240.3	160.9	160.9	175.3	175.3	-	-	-	-	-	-	-	-
59.1	286.6	286.6	227.1	227.1	154.3	154.3	163.1	163.1	127.9	127.9	-	-	-	-	-	-
65.6	266.8	266.8	216.1	216.1	147.7	147.7	152.1	152.1	120.2	120.2	-	-	109.6	110.2	-	-
68.9	259.0	259.0	210.5	210.5	145.0	145.0	147.2	147.2	116.8	116.8	78.7	78.7	106.2	106.7	-	-
72.2	251.3	251.3	205.0	205.0	142.2	142.2	142.2	142.2	113.5	113.5	76.9	76.9	102.7	103.2	-	-
75.5	241.4	244.7	200.1	200.1	139.4	139.4	137.8	137.8	111.1	111.1	75.4	75.4	99.8	100.2	80.7	80.9
78.7	231.5	238.1	195.1	195.1	136.7	136.7	133.4	133.4	108.7	108.7	73.9	73.9	96.8	97.2	78.5	78.7
85.3	207.2	224.9	186.3	186.3	132.3	132.3	126.8	126.8	103.4	103.4	71.0	71.0	91.5	91.9	74.5	74.7
91.9	185.2	213.8	178.6	178.6	127.9	127.9	120.2	120.2	98.5	98.5	68.3	68.3	86.6	87.1	71.0	71.2
98.4	167.6	203.9	168.7	170.9	124.6	124.6	113.5	113.5	94.1	94.1	65.9	65.9	82.2	82.7	67.9	67.9
111.5	141.1	187.0	142.2	159.1	117.9	117.9	103.8	103.8	86.8	86.8	61.8	61.8	74.6	74.9	62.2	62.2
124.7	118.8	172.3	119.8	148.4	110.6	112.1	95.2	95.2	80.2	80.2	58.1	58.1	67.8	68.0	57.0	57.0
137.8	100.8	159.8	101.4	138.9	102.5	106.9	87.5	87.5	74.5	74.5	54.7	54.7	61.9	62.2	52.5	52.5
150.9	87.5	150.3	88.2	131.5	89.0	103.1	81.6	81.6	70.1	70.1	52.0	52.0	57.8	57.9	48.9	48.9
164.0	76.0	141.8	76.6	125.3	76.9	99.9	76.3	76.3	66.1	66.1	49.7	49.7	53.9	53.9	45.7	45.7
170.6	71.1	138.2	71.6	122.7	71.7	98.5	73.9	73.9	64.2	64.2	48.6	48.6	52.0	52.0	44.2	44.2
177.2	66.1	134.5	66.6	120.2	-	-	71.4	71.4	62.4	62.4	47.6	47.6	50.0	50.0	42.8	42.8
190.3	57.9	128.6	58.0	115.7	-	-	63.5	67.6	59.5	59.5	46.0	46.0	47.0	47.0	40.3	40.3
196.9	53.8	125.7	-	-	-	-	59.5	65.7	58.0	58.0	45.2	45.2	45.4	45.4	39.0	39.0
203.4	-	-	-	-	-	-	56.1	64.2	55.3	56.9	44.6	44.6	44.2	44.2	38.1	38.1
210.0	-	-	-	-	-	-	52.6	62.8	52.5	55.8	44.1	44.1	42.9	42.9	37.1	37.1
216.5	-	-	-	-	-	-	49.2	61.3	49.8	54.7	-	-	41.7	41.7	36.2	36.2
229.7	-	-	-	-	-	-	43.6	58.9	43.9	53.1	-	-	39.5	39.5	34.5	34.5
236.2	-	-	-	-	-	-	40.8	57.8	-	-	-	-	38.4	38.4	33.7	33.7
242.8	-	-	-	-	-	-	-	-	-	-	-	-	37.6	37.6	33.1	33.1
246.1	-	-	-	-	-	-	-	-	-	-	-	-	37.1	37.1	32.7	32.7
255.9	-	-	-	-	-	-	-	-	-	-	-	-	35.9	35.9	31.7	31.7
265.7	-	-	-	-	-	-	-	-	-	-	-	-	33.4	34.9	31.1	31.1
269.0	-	-	-	-	-	-	-	-	-	-	-	-	32.6	34.6	-	-
275.6	-	-	-	-	-	-	-	-	-	-	-	-	30.9	34.0	-	-


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

 **363,800 lb +**
 **110,200 lb**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

ft	1,000 lb											
	0 lb	716.6klb	0 lb	716.6klb	0 lb	716.6klb	0 lb	716.6klb	0 lb	716.6klb	0 lb	716.6klb
39.4	368.2	368.2	-	-	-	-	-	-	-	-	-	-
42.7	354.9	354.9	271.2	271.2	-	-	-	-	-	-	-	-
45.9	341.7	341.7	262.4	262.4	-	-	-	-	-	-	-	-
49.2	329.6	329.6	254.6	254.6	166.4	166.4	-	-	-	-	-	-
52.5	317.5	317.5	246.9	246.9	162.0	162.0	178.6	178.6	-	-	-	-
59.1	295.4	295.4	233.7	233.7	156.5	156.5	166.4	166.4	130.1	130.1	-	-
65.6	277.8	277.8	220.5	220.5	149.9	149.9	155.4	155.4	122.4	122.4	-	-
72.2	249.1	262.4	211.6	211.6	144.4	144.4	146.6	146.6	116.8	116.8	77.6	77.6
75.5	237.0	254.6	206.7	206.7	142.2	142.2	142.2	142.2	113.5	113.5	76.1	76.1
78.7	224.9	246.9	201.7	201.7	140.0	140.0	137.8	137.8	110.2	110.2	74.5	74.5
85.3	203.9	235.9	192.9	192.9	135.6	135.6	131.2	131.2	105.8	105.8	71.9	71.9
91.9	183.0	222.7	184.1	185.2	131.2	131.2	124.6	124.6	101.2	101.2	69.4	69.4
95.1	173.6	218.3	175.3	181.3	129.0	129.0	121.3	121.3	99.1	99.1	68.2	68.2
98.4	164.2	213.8	166.4	177.5	126.8	126.8	117.9	117.9	97.0	97.0	67.0	67.0
111.5	137.8	196.9	139.3	165.7	120.2	120.2	108.2	108.2	89.7	89.7	62.9	62.9
124.7	115.5	181.9	116.5	155.1	111.0	114.6	99.5	99.5	83.1	83.1	59.2	59.2
137.8	97.4	168.7	98.1	145.5	99.4	110.0	91.7	91.7	77.4	77.4	56.0	56.0
150.9	84.2	158.4	84.9	137.4	85.9	105.9	85.5	85.5	72.8	72.8	53.4	53.4
164.0	72.4	149.2	73.0	130.4	73.9	102.4	77.7	80.0	68.6	68.6	51.0	51.0
177.2	61.9	141.1	62.4	124.6	63.3	99.4	68.3	75.0	64.8	64.8	48.9	48.9
183.7	57.8	137.8	58.3	122.4	58.6	98.1	64.2	73.0	62.1	63.3	48.1	48.1
190.3	53.7	134.5	54.2	120.2	-	-	60.0	71.0	59.4	61.9	47.2	47.2
203.4	46.4	129.0	46.5	116.5	-	-	52.3	67.4	53.1	59.2	45.7	45.7
206.7	44.8	127.9	44.8	115.7	-	-	50.6	66.6	51.4	58.5	45.4	45.4
216.5	39.9	124.6	-	-	-	-	45.4	64.2	46.1	56.7	44.5	44.5
223.1	-	-	-	-	-	-	42.6	62.8	43.2	55.7	43.9	43.9
229.7	-	-	-	-	-	-	39.8	61.5	40.3	54.7	-	-
242.8	-	-	-	-	-	-	34.7	59.2	35.0	53.2	-	-
246.1	-	-	-	-	-	-	33.5	58.7	33.7	52.9	-	-
252.6	-	-	-	-	-	-	31.1	57.8	-	-	-	-
255.9	-	-	-	-	-	-	-	-	-	-	33.7	37.7
262.5	-	-	-	-	-	-	-	-	-	-	31.6	37.0
269.0	-	-	-	-	-	-	-	-	-	-	29.5	36.2
282.2	-	-	-	-	-	-	-	-	-	-	25.6	34.9
292.0	-	-	-	-	-	-	-	-	-	-	22.9	34.0


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

363,800 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	216.5 ft																	
	SSL+LF_1																	
	39.4 ft				78.7 ft				118.1 ft									
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb				
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
42.7	361.6	361.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.9	348.3	348.3	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	326.3	326.3	251.3	251.3	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	-
55.8	313.1	316.4	244.7	244.7	160.9	160.9	175.3	175.3	-	-	-	-	-	-	-	-	-	-
59.1	299.8	306.4	238.1	238.1	157.6	157.6	169.8	169.8	-	-	-	-	-	-	-	-	-	-
62.3	283.3	296.5	232.6	232.6	154.9	154.9	164.8	164.8	127.9	127.9	-	-	-	-	-	-	-	-
65.6	266.8	286.6	227.1	227.1	152.1	152.1	159.8	159.8	124.6	124.6	-	-	-	-	-	-	-	-
68.9	253.5	278.9	222.1	222.1	149.9	149.9	154.9	154.9	121.3	121.3	-	-	108.2	108.7	-	-	-	-
72.2	240.3	271.2	217.2	217.2	147.7	147.7	149.9	149.9	117.9	117.9	-	-	105.2	105.6	-	-	-	-
75.5	229.3	264.6	212.2	212.2	145.0	145.0	146.1	146.1	115.2	115.2	76.7	76.7	102.3	102.7	-	-	-	-
78.7	218.3	257.9	207.2	207.2	142.2	142.2	142.2	142.2	112.4	112.4	75.2	75.2	99.4	99.9	79.6	80.0	-	-
85.3	198.4	244.7	199.5	199.5	137.8	137.8	134.5	134.5	108.2	108.2	72.8	72.8	94.4	94.8	76.1	76.3	-	-
91.9	180.8	233.7	183.0	190.7	133.4	133.4	127.9	127.9	103.6	103.6	70.3	70.3	89.9	90.4	72.8	73.0	-	-
98.4	163.1	222.7	164.2	184.1	130.1	130.1	122.4	122.4	99.4	99.4	67.9	67.9	85.8	86.2	69.7	69.9	46.1	46.1
111.5	136.0	205.8	137.1	171.6	123.5	123.5	112.4	112.4	92.2	92.2	63.9	63.9	78.6	78.9	64.5	64.6	43.1	43.3
124.7	113.4	190.7	114.4	160.6	112.7	117.6	103.4	103.4	85.8	85.8	60.4	60.4	71.9	72.2	59.7	59.8	40.5	40.6
137.8	95.5	177.5	96.3	151.0	97.9	112.4	95.5	95.5	80.0	80.0	57.3	57.3	65.9	66.1	55.3	55.6	38.1	38.1
150.9	82.2	166.4	83.0	142.9	84.2	108.5	86.5	89.1	75.3	75.3	54.7	54.7	61.4	61.7	51.8	52.0	36.1	36.1
164.0	70.3	156.5	70.9	136.0	71.9	104.9	76.9	83.5	71.1	71.1	52.2	52.2	57.5	57.8	48.6	48.8	34.2	34.2
177.2	59.5	147.7	60.2	130.1	61.1	101.6	66.6	78.5	67.2	67.2	50.0	50.0	54.2	54.5	45.9	45.9	32.4	32.4
190.3	51.3	141.1	51.8	124.9	52.5	99.1	57.9	74.2	58.9	64.2	48.3	48.3	51.1	51.2	43.4	43.4	30.9	30.9
200.1	45.5	136.5	46.0	121.4	46.5	97.4	51.8	71.2	52.9	61.9	47.1	47.1	48.9	48.9	41.6	41.6	29.9	29.9
203.4	43.9	135.2	44.3	120.5	-	-	50.1	70.4	51.1	61.3	46.7	46.7	48.3	48.3	41.1	41.1	29.6	29.6
216.5	37.3	130.1	37.7	116.8	-	-	43.2	67.0	44.1	58.6	45.4	45.4	45.6	45.6	39.0	39.0	28.4	28.4
223.1	34.6	127.9	34.8	114.6	-	-	40.3	65.6	41.2	57.6	42.4	44.9	43.4	44.5	38.1	38.1	27.9	27.9
229.7	32.0	125.7	-	-	-	-	37.5	64.2	38.2	56.6	39.4	44.4	41.1	43.3	37.3	37.3	27.4	27.4
232.9	30.6	124.6	-	-	-	-	36.0	63.5	36.7	56.1	37.9	44.1	39.9	42.7	36.8	36.8	27.2	27.2
236.2	-	-	-	-	-	-	34.6	62.8	35.3	55.6	36.4	43.9	38.8	42.1	36.4	36.4	26.9	26.9
242.8	-	-	-	-	-	-	32.3	61.7	32.8	54.8	-	-	36.4	41.2	35.1	35.6	26.5	26.5
255.9	-	-	-	-	-	-	27.6	59.5	28.0	53.4	-	-	31.5	39.2	32.4	34.2	25.6	25.6
262.5	-	-	-	-	-	-	25.6	58.6	26.0	52.7	-	-	29.4	38.4	30.3	33.6	25.3	25.3
269.0	-	-	-	-	-	-	23.6	57.8	-	-	-	-	27.3	37.6	28.1	33.0	25.0	25.0
275.6	-	-	-	-	-	-	-	-	-	-	-	-	25.1	36.8	26.0	32.4	24.7	24.7
282.2	-	-	-	-	-	-	-	-	-	-	-	-	23.4	36.2	24.2	32.0	-	-
295.3	-	-	-	-	-	-	-	-	-	-	-	-	19.8	34.8	20.5	31.1	-	-
298.6	-	-	-	-	-	-	-	-	-	-	-	-	19.1	34.6	19.6	30.9	-	-
308.4	-	-	-	-	-	-	-	-	-	-	-	-	16.8	34.0	-	-	-	-

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

363,800 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	236.2 ft																	
	SSL+LF_1																	
	39.4 ft				78.7 ft				118.1 ft									
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb		
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
42.7	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.9	357.1	357.1	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	326.3	332.9	255.7	255.7	165.3	165.3	-	-	-	-	-	-	-	-	-	-	-	-
55.8	307.5	323.0	249.1	249.1	162.6	162.6	178.6	178.6	-	-	-	-	-	-	-	-	-	-
59.1	288.8	313.1	242.5	242.5	159.8	159.8	173.1	173.1	-	-	-	-	-	-	-	-	-	-
62.3	273.4	304.2	237.0	237.0	157.1	157.1	168.1	168.1	129.0	129.0	-	-	-	-	-	-	-	-
65.6	257.9	295.4	231.5	231.5	154.3	154.3	163.1	163.1	125.7	125.7	-	-	-	-	-	-	-	-
68.9	244.7	287.7	227.1	227.1	151.6	151.6	158.7	158.7	122.9	122.9	-	-	109.1	109.6	-	-	-	-
72.2	231.5	280.0	222.7	222.7	148.8	148.8	154.3	154.3	120.2	120.2	-	-	106.3	106.7	-	-	-	-
75.5	220.5	273.4	217.2	217.2	146.6	146.6	149.9	149.9	117.4	117.4	77.2	77.2	103.5	103.9	-	-	-	-
78.7	209.4	266.8	211.6	212.7	144.4	144.4	145.5	145.5	114.6	114.6	75.8	75.8	100.8	101.2	80.2	80.5	-	-
85.3	190.7	253.5	192.9	205.0	140.0	140.0	138.9	138.9	110.2	110.2	73.4	73.4	95.7	96.1	76.7	76.9	-	-
91.9	174.2	242.5	175.3	196.2	136.7	136.7	132.3	132.3	105.8	105.8	71.0	71.0	91.3	91.7	73.4	73.9	-	-
98.4	158.7	231.5	160.9	189.6	132.3	132.3	125.7	125.7	101.6	101.6	68.8	68.8	87.3	87.7	70.5	70.8	46.1	46.3
111.5	132.3	213.8	133.7	177.1	125.7	125.7	115.4	115.4	94.6	94.6	65.0	65.0	80.2	80.5	65.4	65.8	43.3	43.5
124.7	110.1	198.4	111.1	166.1	113.2	119.8	106.6	106.6	88.2	88.2	61.5	61.5	73.8	74.0	60.7	61.1	40.7	40.9
137.8	92.2	185.2	93.0	156.5	94.8	114.6	99.2	99.2	82.5	82.5	58.4	58.4	67.9	68.1	56.4	56.7	38.4	38.6
150.9	78.3	174.2	79.2	148.4	80.8	110.8	85.8	92.7	77.7	77.7	55.8	55.8	63.2	63.4	52.9	53.1	36.4	36.5
164.0	66.1	164.2	66.9	141.1	68.3	107.2	73.8	86.9	71.7	73.5	53.4	53.4	59.1	59.4	49.8	50.0	34.7	34.7
177.2	55.6	155.4	56.2	134.5	57.3	103.8	63.1	81.8	64.4	69.7	51.1	51.1	55.6	56.0	47.2	47.2	33.1	33.1
190.3	47.2	148.1	47.7	129.3	48.6	101.0	54.4	77.4	55.6	66.4	49.4	49.4	52.8	53.1	44.7	44.7	31.6	31.6
203.4	39.7	141.5	40.1	124.6	40.9	98.7	46.5	73.4	47.6	63.4	46.4	47.8	49.0	50.2	42.4	42.4	30.2	30.2
213.3	34.7	137.1	35.2	121.3	35.7	97.2	41.2	70.8	42.3	61.3	43.4	46.7	45.5	48.1	40.9	40.9	29.2	29.2
216.5	33.1	135.6	33.5	120.2	-	-	39.5	69.9	40.6	60.6	42.3	46.3	44.3	47.4	40.3	40.3	28.9	28.9
229.7	27.6	130.4	28.1	117.2	-	-	33.7	66.8	34.7	58.4	36.2	45.1	38.4	45.0	38.0	38.4	27.9	27.9
239.5	23.8	127.0	24.0	114.6	-	-	29.7	64.7	30.5	56.9	31.7	44.3	34.2	43.4	35.5	37.1	27.2	27.2
242.8	22.7	126.2	-	-	-	-	28.5	64.1	29.3	56.4	30.4	44.1	33.0	42.8	34.2	36.7	27.0	27.0
249.3	20.5	124.6	-	-	-	-	26.2	62.9	26.9	55.6	27.8	43.7	30.5	41.8	31.7	36.0	26.6	26.6
252.6	-	-	-	-	-	-	25.0	62.3	25.7	55.1	24.0	43.4	29.2	41.3	30.4	35.6	26.4	26.4
255.9	-	-	-	-	-	-	23.8	61.7	24.5	54.7	-	-	28.0	40.8	29.1	35.3	26.2	26.2
269.0	-	-	-	-	-	-	19.7	59.7	20.4	53.4	-	-	23.9	39.2	24.8	34.0	24.9	25.5
278.9	-	-	-	-	-	-	16.8	58.3	17.2	52.5	-	-	20.9	38.0	21.8	33.0	23.3	25.0
282.2	-	-	-	-	-	-	16.0	58.0	-	-	-	-	20.0	37.6	20.9	32.8	22.3	24.9
288.7	-	-	-	-	-	-	14.3	57.3	-	-	-	-	18.2	36.9	19.0	32.3	20.3	24.7
295.3	-	-	-	-	-	-	-	-	-	-	-	-	16.3	36.2	17.2	31.7	-	-
308.4	-	-	-	-	-	-	-	-	-	-	-	-	13.2	35.1	13.8	31.0	-	-
315.0	-	-	-	-	-	-	-	-	-	-	-	-	11.7	34.6	12.1	30.6	-	-
321.5	-	-	-	-	-	-	-	-	-	-	-	-	10.2	34.2	-	-	-	-
324.8	-	-	-	-	-	-	-	-	-	-	-	-	9.5	34.0	-	-	-	-

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

 **363,800 lb +**
 **110,200 lb**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

ft	255.9 ft																	
	SSL+LF_1																	
	39.4 ft				78.7 ft				118.1 ft									
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb		
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
1,000 lb																		
45.9	359.4	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.2	337.3	352.7	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	315.3	341.7	260.1	260.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.8	297.6	331.8	253.5	253.5	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	-
59.1	280.0	321.9	246.9	246.9	160.9	160.9	176.4	176.4	-	-	-	-	-	-	-	-	-	-
65.6	249.1	304.2	235.9	235.9	155.4	155.4	166.4	166.4	127.9	127.9	-	-	-	-	-	-	-	-
72.2	224.9	288.8	227.1	227.1	151.0	151.0	157.6	157.6	122.4	122.4	-	-	106.5	107.1	-	-	-	-
78.7	202.8	273.4	205.0	218.3	146.6	146.6	148.8	148.8	116.8	116.8	76.3	76.3	101.2	101.9	-	-	-	-
82.0	194.0	267.9	195.7	213.8	144.4	144.4	145.5	145.5	114.6	114.6	75.1	75.1	98.9	99.4	78.5	78.9	-	-
85.3	185.2	262.4	186.3	209.4	142.2	142.2	142.2	142.2	112.4	112.4	73.9	73.9	96.6	97.0	76.9	77.4	-	-
91.9	168.7	249.1	170.9	201.7	138.9	138.9	135.6	135.6	107.8	107.8	71.7	71.7	92.2	92.8	73.9	74.3	-	-
98.4	154.3	240.3	156.5	195.1	134.5	134.5	129.0	129.0	103.8	103.8	69.4	69.4	88.4	88.8	71.0	71.4	-	-
101.7	148.3	235.9	150.3	192.0	132.3	133.0	126.6	126.6	102.1	102.1	68.5	68.5	86.7	87.1	69.8	70.2	45.4	45.6
111.5	130.1	222.7	131.5	182.6	125.7	128.6	119.4	119.4	96.8	96.8	65.8	65.8	81.5	81.9	66.1	66.4	43.4	43.7
124.7	108.9	206.5	109.9	171.2	112.0	122.7	109.2	110.6	90.4	90.4	62.4	62.4	75.2	75.6	61.7	61.9	41.0	41.2
137.8	90.8	191.8	91.7	160.9	93.5	116.8	98.3	102.5	84.7	84.7	59.3	59.3	69.4	69.9	57.5	57.8	38.8	38.8
150.9	76.9	180.8	77.7	152.9	79.4	113.2	84.7	96.0	80.0	80.0	56.7	56.7	64.7	65.2	54.0	54.2	36.9	36.9
164.0	64.5	170.5	65.3	145.5	66.8	109.6	72.3	90.2	72.7	75.6	54.2	54.2	60.6	61.0	50.9	51.1	35.1	35.1
177.2	53.8	160.9	54.5	138.9	55.8	106.0	61.3	84.9	62.8	71.7	52.0	52.0	57.1	57.3	48.1	48.3	33.3	33.5
190.3	45.4	153.6	45.9	133.7	47.1	103.1	52.6	80.5	54.0	68.4	50.3	50.3	54.3	54.5	45.9	45.9	32.0	32.2
203.4	37.8	147.0	38.4	128.6	39.3	100.5	44.8	76.4	46.0	65.4	46.5	48.6	49.5	51.8	43.7	43.7	30.7	30.9
216.5	31.1	141.1	31.7	123.5	32.4	98.3	37.7	72.5	38.8	62.6	40.8	47.2	42.8	49.2	41.4	41.4	29.5	29.5
226.4	27.1	136.7	27.6	121.3	28.0	97.0	33.4	70.2	34.4	60.8	36.2	46.2	38.3	47.4	38.4	40.1	28.8	28.8
229.7	25.8	135.2	26.2	120.5	-	-	32.0	69.4	32.9	60.3	34.6	45.9	36.7	46.8	37.3	39.7	28.5	28.5
242.8	20.9	130.4	21.2	117.6	-	-	26.7	66.6	27.6	58.1	29.0	44.8	31.3	44.6	32.7	38.0	27.6	27.6
255.9	16.3	126.8	16.8	114.6	-	-	22.0	63.9	22.7	56.2	24.0	43.9	26.5	42.5	27.6	36.4	26.7	26.7
265.7	13.4	124.6	-	-	-	-	19.0	62.3	19.6	55.1	20.5	43.2	23.3	41.2	24.4	35.4	24.8	26.1
269.0	-	-	-	-	-	-	17.9	61.7	18.6	54.7	-	-	22.2	40.8	23.3	35.1	24.2	25.9
282.2	-	-	-	-	-	-	14.2	59.8	14.8	53.4	-	-	18.2	39.1	19.3	33.9	20.9	25.3
295.3	-	-	-	-	-	-	10.8	58.2	10.6	52.2	-	-	14.6	37.5	15.4	32.8	17.0	24.7
305.1	-	-	-	-	-	-	8.6	57.1	-	-	-	-	12.2	36.6	13.0	32.1	11.5	24.5
308.4	-	-	-	-	-	-	-	-	-	-	-	-	11.5	36.3	12.2	31.8	-	-
321.5	-	-	-	-	-	-	-	-	-	-	-	-	8.5	35.2	9.1	31.1	-	-
324.8	-	-	-	-	-	-	-	-	-	-	-	-	7.7	35.0	8.4	31.0	-	-
331.4	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-	30.6	-	-
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	34.2	-	-	-	-
341.2	-	-	-	-	-	-	-	-	-	-	-	-	-	33.7	-	-	-	-


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
275.6 ft										
SSL+LF_1										
39.4 ft			78.7 ft				118.1 ft			
0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	
15°	20°	30°	15°	20°	30°	15°	20°	30°		
ft	1,000 lb									
45.9	346.1	368.2	-	-	-	-	-	-	-	-
49.2	324.1	358.3	269.0	269.0	-	-	-	-	-	-
52.5	302.0	348.3	262.4	262.4	-	-	-	-	-	-
55.8	285.5	338.4	256.8	256.8	164.2	164.2	-	-	-	-
59.1	269.0	328.5	251.3	251.3	162.0	162.0	177.5	178.6	-	-
65.6	240.3	310.9	240.3	240.3	157.6	157.6	168.7	168.7	129.0	129.0
72.2	216.1	295.4	218.3	231.5	152.1	152.1	159.8	159.8	123.5	123.5
78.7	195.1	282.2	197.3	222.7	147.7	147.7	152.1	152.1	117.9	117.9
85.3	177.5	269.0	179.7	213.8	144.4	144.4	145.5	145.5	113.5	113.5
91.9	160.9	257.9	163.1	206.1	140.0	140.0	138.9	138.9	109.8	109.8
98.4	147.7	246.9	149.9	199.5	136.7	136.7	132.3	132.3	105.8	105.8
101.7	142.2	242.5	144.2	196.4	133.7	135.2	129.9	129.9	104.1	104.1
111.5	125.7	229.3	127.1	187.0	124.9	130.8	122.7	122.7	98.8	98.8
124.7	105.5	213.5	106.7	176.0	109.6	124.9	110.2	113.9	92.4	92.4
137.8	87.3	199.5	88.6	166.4	90.6	119.0	94.6	105.8	86.6	86.6
150.9	73.0	187.8	74.1	158.4	76.1	115.4	81.2	99.2	80.0	81.9
164.0	60.5	177.1	61.4	150.6	63.2	111.7	68.9	93.2	71.0	77.7
177.2	49.6	167.6	50.5	143.3	52.0	108.0	57.8	87.7	59.5	73.9
190.3	41.2	159.5	42.0	137.4	43.4	104.9	49.1	83.2	50.6	70.5
203.4	33.7	152.1	34.3	132.3	35.5	102.2	41.2	79.0	42.5	67.4
216.5	26.9	145.5	27.6	127.9	28.4	99.9	34.2	75.2	35.3	64.6
229.7	21.5	140.4	22.0	124.2	22.9	98.1	28.3	71.9	29.4	62.1
242.8	16.5	135.6	16.9	120.5	15.7	96.3	23.0	69.0	24.0	59.9
255.9	12.1	131.2	12.3	116.8	-	-	18.3	66.4	19.2	58.0
269.0	8.2	127.3	8.6	115.2	-	-	14.2	64.0	14.9	56.2
272.3	-	126.5	-	114.6	-	-	13.2	63.4	13.9	55.8
278.9	-	125.1	-	-	-	-	11.2	62.4	11.9	55.0
282.2	-	124.6	-	-	-	-	10.4	61.9	11.0	54.7
292.0	-	-	-	-	-	-	7.7	60.5	8.4	53.7
295.3	-	-	-	-	-	-	-	60.0	-	53.4
308.4	-	-	-	-	-	-	-	58.3	-	52.3
311.7	-	-	-	-	-	-	-	57.9	-	52.0
318.2	-	-	-	-	-	-	-	57.3	-	-
321.5	-	-	-	-	-	-	-	57.1	-	-
334.6	-	-	-	-	-	-	-	-	-	36.3
347.8	-	-	-	-	-	-	-	-	-	35.3
357.6	-	-	-	-	-	-	-	-	-	34.4
										33.7

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb +
 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	295.3 ft															
	SSL+LF_1															
	39.4 ft				78.7 ft				118.1 ft							
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb
	15°		20°		30°		15°		20°		30°		15°		30°	
1,000 lb																
49.2	310.9	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	291.0	352.7	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-
59.1	257.9	335.1	255.7	255.7	163.1	163.1	-	-	-	-	-	-	-	-	-	-
62.3	243.6	326.3	244.7	250.2	160.9	160.9	175.3	176.4	-	-	-	-	-	-	-	-
65.6	229.3	317.5	233.7	244.7	158.7	158.7	170.9	170.9	-	-	-	-	-	-	-	-
68.9	218.3	309.7	221.6	240.3	156.5	156.5	167.0	167.0	127.9	127.9	-	-	-	-	-	-
72.2	207.2	302.0	209.4	235.9	154.3	154.3	163.1	163.1	124.6	124.6	-	-	-	-	-	-
75.5	197.3	295.4	199.5	231.5	152.1	152.1	159.3	159.3	122.4	122.4	-	-	105.2	105.8	-	-
78.7	187.4	288.8	189.6	227.1	149.9	149.9	155.4	155.4	120.2	120.2	-	-	102.7	103.4	-	-
82.0	178.6	282.2	180.8	222.7	147.7	147.7	151.6	151.6	117.9	117.9	75.8	75.8	100.5	101.2	-	-
85.3	169.8	275.6	172.0	218.3	145.5	145.5	147.7	147.7	115.7	115.7	74.7	74.7	98.3	99.0	77.6	78.0
91.9	154.3	264.6	156.5	210.5	142.2	142.2	142.2	142.2	111.3	111.3	72.8	72.8	94.4	94.8	74.7	75.2
98.4	141.1	253.5	143.3	203.9	138.9	138.9	135.6	135.6	107.6	107.6	70.8	70.8	90.6	91.1	72.1	72.5
105.0	130.5	244.7	132.3	197.7	130.4	130.4	127.9	127.9	104.1	104.1	69.0	69.0	87.4	87.9	69.8	70.3
111.5	119.9	235.9	121.3	191.4	122.0	122.0	120.2	120.2	100.7	100.7	67.2	67.2	84.1	84.7	67.5	68.0
124.7	100.9	220.1	101.9	180.4	104.9	104.9	104.9	104.9	116.4	94.4	63.9	63.9	78.2	78.8	63.3	63.7
137.8	84.0	206.1	85.3	170.9	87.7	87.7	89.7	89.7	108.9	88.6	60.8	60.8	72.8	73.2	59.3	59.7
150.9	69.6	194.4	70.8	162.8	72.9	72.9	77.7	77.7	102.3	83.9	58.3	58.3	68.0	68.5	55.9	56.4
164.0	57.0	183.7	58.1	155.1	59.9	59.9	66.0	66.0	96.2	79.6	56.0	56.0	63.8	64.2	52.8	53.2
177.2	46.1	174.2	47.2	147.7	48.7	48.7	54.7	54.7	90.6	66.7	53.8	53.8	60.0	60.4	50.0	50.3
190.3	37.7	166.1	38.5	141.8	39.9	39.9	45.9	45.9	86.1	61.4	51.6	51.6	57.3	57.7	47.7	48.1
203.4	30.1	158.4	30.8	136.3	32.0	32.0	37.9	37.9	81.8	56.4	49.2	49.2	54.5	54.9	43.9	44.3
216.5	23.4	151.0	24.0	131.2	25.1	25.1	30.9	30.9	77.8	52.2	46.4	46.4	52.0	52.4	41.9	42.3
229.7	17.9	145.1	18.4	127.5	19.4	19.4	25.1	25.1	74.4	48.2	43.4	43.4	49.8	50.2	39.4	39.8
242.8	12.9	140.0	13.4	123.9	14.2	14.2	19.8	19.8	71.4	44.6	40.4	40.4	47.7	48.1	37.4	37.8
255.9	8.4	135.6	8.8	120.2	9.5	9.5	15.0	15.0	68.6	41.4	37.4	37.4	45.6	46.0	35.4	35.8
269.0	-	131.2	-	117.2	-	-	10.9	10.9	66.1	38.2	34.2	34.2	43.7	44.1	33.4	33.8
278.9	-	128.2	-	115.2	-	-	7.9	7.9	64.4	35.0	31.0	31.0	42.4	42.8	31.4	31.8
282.2	-	127.5	-	114.6	-	-	-	-	63.8	32.8	28.8	28.8	41.1	41.5	29.4	29.8
285.4	-	126.8	-	114.1	-	-	-	-	63.3	30.6	26.6	26.6	40.8	41.2	27.4	27.8
288.7	-	126.0	-	113.5	-	-	-	-	62.8	28.4	24.4	24.4	40.5	40.9	25.4	25.8
295.3	-	124.6	-	-	-	-	-	-	61.7	26.2	22.2	22.2	40.2	40.6	23.4	23.8
298.6	-	123.5	-	-	-	-	-	-	61.3	24.0	20.0	20.0	40.0	40.4	21.4	21.8
305.1	-	-	-	-	-	-	-	-	60.5	21.8	17.8	17.8	39.7	40.1	19.4	19.8
308.4	-	-	-	-	-	-	-	-	60.1	19.6	15.6	15.6	39.4	39.8	17.4	17.8
321.5	-	-	-	-	-	-	-	-	58.6	17.4	13.4	13.4	38.1	38.5	15.2	15.6
328.1	-	-	-	-	-	-	-	-	57.8	15.2	11.2	11.2	37.8	38.2	13.0	13.4
331.4	-	-	-	-	-	-	-	-	57.5	13.0	9.0	9.0	37.5	37.9	10.8	11.2
334.6	-	-	-	-	-	-	-	-	57.1	10.8	6.8	6.8	37.2	37.6	8.6	9.0
337.9	-	-	-	-	-	-	-	-	56.9	8.6	4.6	4.6	36.9	37.3	6.4	6.8
347.8	-	-	-	-	-	-	-	-	-	-	-	-	35.3	35.7	4.2	4.6
360.9	-	-	-	-	-	-	-	-	-	-	-	-	34.5	34.9	2.0	2.4
364.2	-	-	-	-	-	-	-	-	-	-	-	-	34.3	34.7	0.0	0.4
374.0	-	-	-	-	-	-	-	-	-	-	-	-	33.7	34.1	-	-
377.3	-	-	-	-	-	-	-	-	-	-	-	-	33.5	33.9	-	-

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
315.0 ft									
SSL+LF_1									
39.4 ft			78.7 ft				118.1 ft		
0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb
15°	20°	30°	15°	20°	30°	15°	20°	30°	
ft	1,000 lb								
49.2	297.6	368.2	-	-	-	-	-	-	-
52.5	280.0	359.4	269.0	269.0	-	-	-	-	-
59.1	246.9	341.7	251.3	257.9	164.2	164.2	-	-	-
62.3	233.7	332.9	238.1	252.4	162.0	162.0	176.4	177.5	-
65.6	220.5	324.1	224.9	246.9	159.8	159.8	172.0	173.1	-
68.9	209.4	316.4	213.3	242.5	157.6	157.6	168.1	169.2	129.0
72.2	198.4	308.6	201.7	238.1	155.4	155.4	164.2	165.3	125.7
75.5	189.0	302.0	191.8	233.7	153.2	153.2	160.9	161.5	123.5
78.7	179.7	295.4	181.9	229.3	151.0	151.0	157.6	157.6	121.3
82.0	170.9	288.8	173.1	226.0	149.4	149.4	154.3	154.3	119.0
85.3	162.0	282.2	164.2	222.7	147.7	147.7	151.0	151.0	116.8
88.6	154.9	276.7	157.1	218.8	145.5	145.5	147.7	147.7	114.6
91.9	147.7	271.2	149.9	215.0	143.3	143.3	144.4	144.4	112.4
98.4	134.5	260.1	136.7	208.3	140.0	140.0	137.8	138.9	109.1
105.0	124.0	251.3	126.0	202.1	129.3	137.1	127.7	133.7	105.7
111.5	113.6	242.5	115.4	195.8	118.5	134.1	117.7	128.6	102.4
124.7	95.4	226.7	96.9	184.8	99.7	128.6	99.9	119.4	95.0
137.8	79.8	212.7	81.1	175.3	83.6	123.5	84.4	111.3	87.1
150.9	65.6	201.0	66.9	166.4	69.2	119.0	72.4	104.9	74.9
164.0	53.0	190.0	54.2	158.7	56.3	115.0	61.3	98.9	63.6
177.2	42.1	179.7	43.2	152.1	45.0	111.3	51.1	93.5	53.1
190.3	33.6	171.6	34.5	146.2	36.2	108.5	42.3	88.8	44.2
203.4	25.9	163.9	26.7	140.7	28.2	105.8	34.3	84.4	36.0
216.5	19.2	156.5	19.8	135.6	21.2	103.2	27.1	80.2	28.7
229.7	13.6	150.6	14.3	131.2	15.4	101.0	21.4	76.9	22.6
242.8	8.4	145.3	9.0	127.1	10.1	99.0	16.0	73.7	17.1
246.1	-	144.0	7.7	126.2	8.8	98.5	14.8	73.0	15.9
255.9	-	140.0	-	123.5	-	97.2	11.0	70.8	12.1
265.7	-	136.7	-	121.3	-	96.3	7.9	68.9	9.0
269.0	-	135.6	-	120.5	-	96.0	-	68.3	7.9
272.3	-	134.5	-	119.8	-	95.7	-	67.6	-
282.2	-	131.5	-	117.6	-	-	-	65.9	-
285.4	-	130.6	-	116.8	-	-	-	65.4	-
295.3	-	127.9	-	114.6	-	-	-	63.7	-
308.4	-	124.9	-	96.6	-	-	-	61.8	-
318.2	-	123.5	-	-	-	-	-	60.5	-
321.5	-	-	-	-	-	-	-	60.1	-
334.6	-	-	-	-	-	-	-	58.6	-
344.5	-	-	-	-	-	-	-	57.8	-
347.8	-	-	-	-	-	-	-	57.5	-
354.3	-	-	-	-	-	-	-	56.9	-
360.9	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-
380.6	-	-	-	-	-	-	-	-	-
387.1	-	-	-	-	-	-	-	-	-
393.7	-	-	-	-	-	-	-	-	-



363,800 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

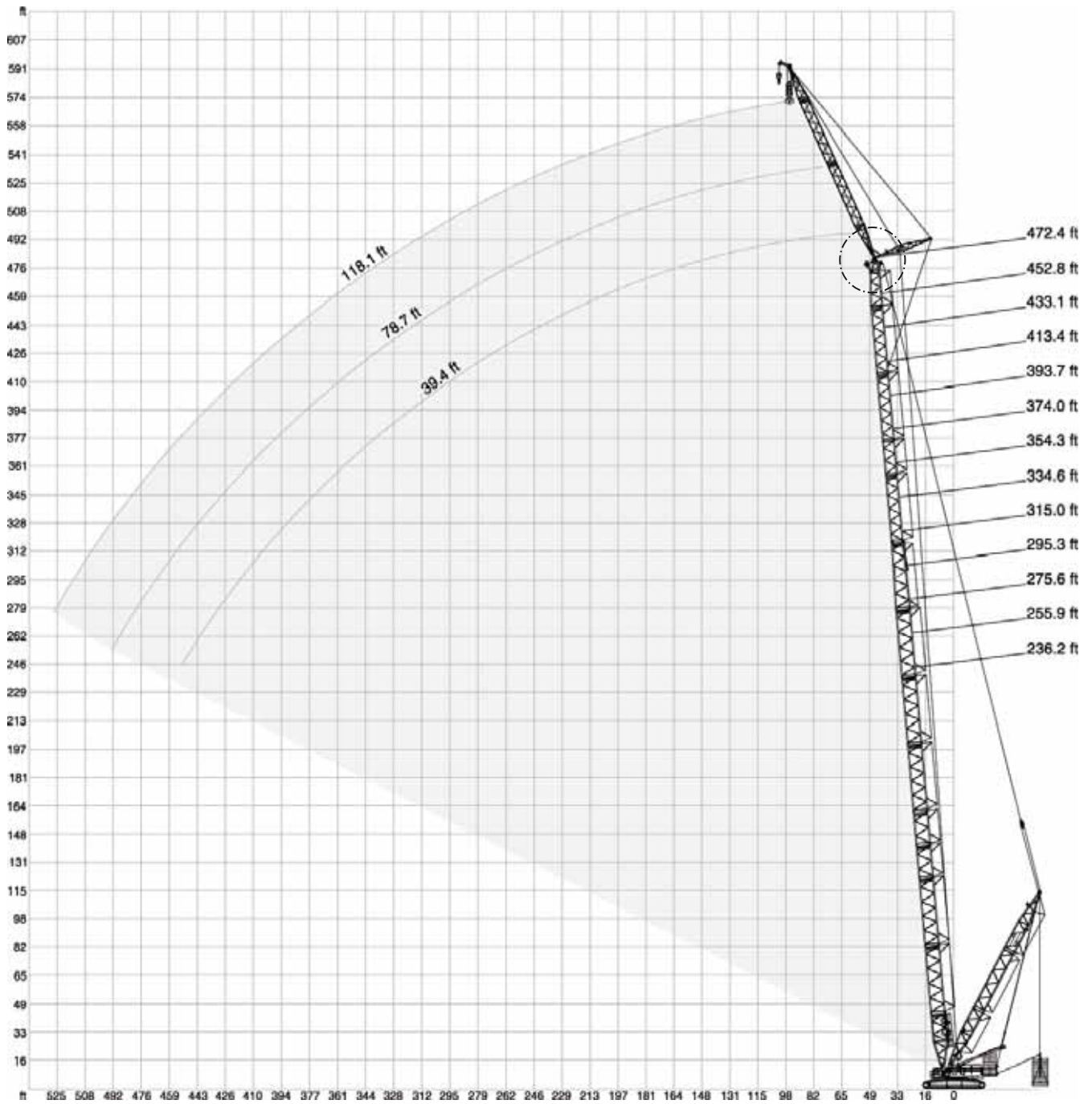
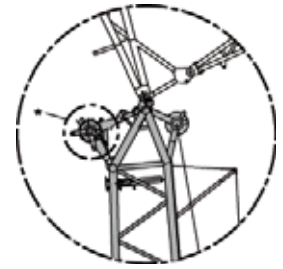
ft	334.6 ft																	
	SSL+LF_1																	
	39.4 ft				78.7 ft				118.1 ft									
	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb	0 lb- 0 t	716.6klb		
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
1,000 lb																		
52.5	269.0	354.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.8	253.5	350.5	255.7	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	238.1	346.1	240.3	260.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62.3	225.4	338.4	228.2	255.7	162.0	162.0	-	-	-	-	-	-	-	-	-	-	-	-
65.6	212.7	330.7	216.1	251.3	159.8	159.8	173.1	174.2	-	-	-	-	-	-	-	-	-	-
72.2	190.7	315.3	192.9	242.5	156.5	156.5	165.3	167.6	126.8	126.8	-	-	-	-	-	-	-	-
78.7	172.0	302.0	174.2	233.7	152.1	152.1	158.7	159.8	122.4	122.4	-	-	104.1	104.7	-	-	-	-
85.3	155.4	288.8	157.6	224.9	148.8	148.8	153.2	153.2	117.9	117.9	75.4	75.4	99.9	100.5	-	-	-	-
88.6	148.3	283.3	150.5	221.6	147.2	147.2	148.8	149.9	115.7	115.7	74.4	74.4	97.9	98.5	76.7	77.2	-	-
91.9	141.1	277.8	143.3	218.3	145.5	145.5	144.4	146.6	113.5	113.5	73.4	73.4	95.9	96.6	75.6	75.8	-	-
98.4	127.9	266.8	130.1	211.6	134.5	142.2	132.3	141.1	110.2	110.2	71.7	71.7	92.4	93.0	73.0	73.4	-	-
108.3	112.7	253.5	114.6	202.8	118.5	137.2	117.3	133.9	105.4	105.4	69.1	69.1	87.9	88.5	69.8	70.2	44.3	44.3
111.5	107.6	249.1	109.5	199.9	113.2	135.6	112.3	131.5	103.8	103.8	68.3	68.3	86.3	87.0	68.7	69.2	43.7	43.8
124.7	89.8	233.0	91.5	188.9	94.6	130.1	94.7	122.4	94.4	97.7	65.2	65.2	80.7	81.4	64.7	65.1	41.6	41.8
137.8	74.5	218.3	76.1	178.6	78.7	125.7	79.6	113.5	82.2	92.2	62.4	62.4	75.4	76.1	61.1	61.3	39.7	39.9
150.9	61.4	206.5	62.8	170.5	65.3	121.3	67.7	107.5	70.2	87.5	59.9	59.9	68.8	71.4	57.8	58.1	37.9	38.1
164.0	49.5	195.5	50.7	162.8	53.0	117.2	57.0	101.6	59.3	83.1	57.0	57.5	60.8	67.1	54.7	55.0	36.3	36.4
177.2	38.6	185.2	39.7	155.4	41.7	113.5	47.6	95.9	49.6	79.1	53.6	55.3	51.4	63.3	51.8	52.2	34.8	34.8
190.3	30.1	177.1	31.0	149.5	32.7	110.3	38.9	91.2	40.9	75.8	44.5	53.6	43.6	60.0	45.5	49.8	33.5	33.5
203.4	22.3	169.4	23.2	144.0	24.7	107.4	31.0	86.8	32.9	72.6	36.1	51.9	36.5	57.2	39.0	47.5	32.3	32.3
216.5	15.4	162.0	16.3	138.9	17.6	104.7	23.8	82.7	25.6	69.7	28.4	50.3	30.2	54.7	32.4	45.6	31.1	31.3
229.7	9.8	155.9	10.6	134.5	11.8	102.4	17.9	79.1	19.5	67.0	22.1	48.8	24.2	52.5	26.2	43.9	28.4	30.3
232.9	8.4	154.3	9.1	133.4	10.3	101.9	16.5	78.3	18.0	66.4	20.5	48.4	22.7	51.9	24.7	43.4	27.8	30.0
236.2	-	152.1	7.7	132.3	8.8	101.2	15.0	77.4	16.5	65.7	19.0	48.1	21.2	51.4	23.1	43.0	27.1	29.8
242.8	-	149.5	-	130.1	-	100.2	12.5	75.9	14.0	64.6	16.3	47.5	18.6	50.3	20.5	42.2	24.3	29.3
252.6	-	145.7	-	126.8	-	98.8	8.8	73.7	10.1	63.1	12.3	46.6	14.7	48.8	16.5	41.0	20.1	28.7
255.9	-	144.4	-	125.7	-	98.3	-	73.0	8.8	62.4	11.0	46.3	13.4	48.3	15.2	40.6	18.7	28.4
259.2	-	143.3	-	124.9	-	98.0	-	72.3	7.7	61.9	9.8	46.1	12.3	47.8	14.1	40.2	17.5	28.3
262.5	-	142.2	-	124.2	-	97.6	-	71.7	-	61.5	8.6	45.9	11.2	47.3	13.0	39.8	16.3	28.1
269.0	-	140.0	-	122.7	-	96.9	-	70.3	-	60.5	-	45.4	9.0	46.3	10.8	39.1	13.9	27.7
272.3	-	138.9	-	122.0	-	96.5	-	69.7	-	60.0	-	45.2	7.9	45.9	9.7	38.7	12.7	27.5
275.6	-	137.8	-	121.3	-	96.1	-	69.0	-	59.5	-	45.0	-	45.4	8.6	38.4	11.5	27.3
282.2	-	135.6	-	119.8	-	95.5	-	67.8	-	58.7	-	44.5	-	44.5	-	37.7	9.4	27.0
285.4	-	134.5	-	119.0	-	95.2	-	67.2	-	58.3	-	44.3	-	44.1	-	37.4	8.4	26.8
295.3	-	131.2	-	116.8	-	-	-	65.5	-	57.1	-	43.7	-	42.8	-	36.4	-	26.2
308.4	-	127.5	-	114.6	-	-	-	63.6	-	55.8	-	43.1	-	41.3	-	35.2	-	25.6
321.5	-	121.3	-	113.5	-	-	-	61.8	-	54.5	-	42.5	-	39.9	-	34.2	-	25.1
324.8	-	119.0	-	96.3	-	-	-	61.4	-	54.2	-	-	-	39.6	-	34.0	-	25.0
334.6	-	112.4	-	-	-	-	-	60.2	-	53.4	-	-	-	38.6	-	33.3	-	24.7
347.8	-	-	-	-	-	-	-	58.7	-	52.5	-	-	-	37.4	-	32.4	-	24.3
360.9	-	-	-	-	-	-	-	57.5	-	51.6	-	-	-	36.3	-	31.6	-	23.8
370.7	-	-	-	-	-	-	-	56.7	-	-	-	-	-	35.5	-	31.1	-	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	-	30.9	-	-
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	-	30.4	-	-
397.0	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	-	30.0	-	-
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8	-	-	-	-
410.1	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3	-	-	-	-

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

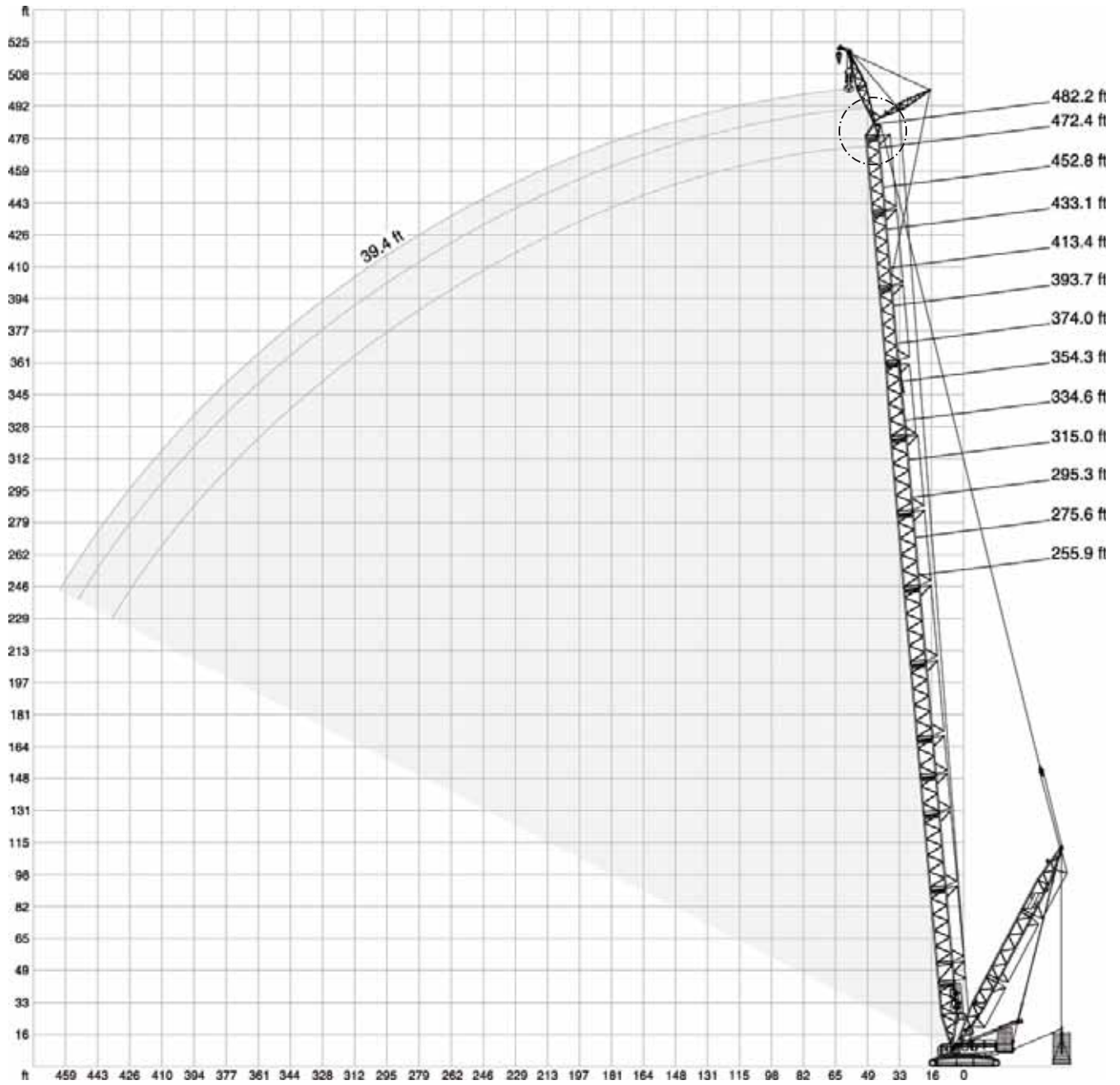
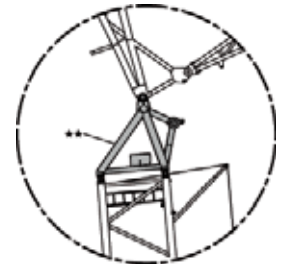
363,800 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

354.3 ft																		
SSL+LF_1																		
39.4 ft				78.7 ft				118.1 ft										
0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb	0 t	0 lb-716.6klb					
15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°							
1,000 lb																		
52.5	257.9	339.5	-	-	-	-	-	-	-	-	-	-	-					
55.8	242.5	339.5	244.7	269.0	-	-	-	-	-	-	-	-	-					
59.1	227.1	339.5	231.5	262.4	-	-	-	-	-	-	-	-	-					
62.3	215.0	335.1	218.8	257.9	163.1	163.1	-	-	-	-	-	-	-					
65.6	202.8	330.7	206.1	253.5	160.9	160.9	174.2	175.3	-	-	-	-	-					
72.2	181.9	319.7	185.2	244.7	157.6	157.6	166.4	168.7	127.9	127.9	-	-	-					
78.7	164.2	306.4	166.4	235.9	153.2	153.2	160.9	162.0	123.5	123.5	-	-	-					
85.3	147.7	295.4	149.9	229.3	149.9	149.9	152.1	155.4	119.0	119.0	75.8	75.8	100.5	101.2	-	-	-	
91.9	133.4	284.4	135.6	222.7	141.1	146.6	137.8	149.9	115.7	115.7	73.9	73.9	96.8	97.4	75.8	76.3	-	-
98.4	121.3	273.4	123.5	215.0	127.9	143.3	125.7	143.3	111.3	111.3	72.1	72.1	93.3	93.9	73.4	73.9	-	-
108.3	106.4	260.1	108.4	206.1	112.2	138.9	111.1	136.1	105.6	106.7	69.6	69.6	88.7	89.4	70.2	70.7	44.3	44.3
111.5	101.4	255.7	103.3	203.2	107.0	137.4	106.3	133.7	103.7	105.2	68.7	68.7	87.2	87.9	69.2	69.6	43.7	43.8
124.7	83.9	239.6	85.6	192.5	88.8	131.9	89.1	124.9	92.3	99.4	65.6	65.6	81.7	82.3	65.3	65.7	41.7	41.8
137.8	68.8	224.9	70.3	183.0	73.2	126.8	74.1	116.8	77.2	93.9	62.8	62.8	76.7	77.2	61.7	62.2	39.9	39.9
150.9	56.9	212.4	58.3	174.2	61.0	122.4	62.5	110.2	65.3	89.2	60.5	60.5	66.0	72.8	58.5	58.9	38.1	38.3
164.0	45.4	201.0	46.7	166.1	49.2	118.3	52.0	104.1	54.5	84.9	55.9	55.9	58.2	68.6	54.5	55.9	36.5	36.7
177.2	34.4	190.7	35.7	158.7	37.7	114.6	42.8	98.5	45.0	80.9	48.9	48.9	56.0	64.6	49.8	53.1	35.1	35.3
190.3	25.9	181.9	26.9	152.9	28.9	111.7	35.0	93.7	37.0	77.4	40.7	40.7	54.2	61.4	41.9	50.8	33.7	34.0
203.4	18.2	173.8	19.0	147.3	20.9	108.9	27.4	89.2	29.3	74.1	32.8	32.8	52.5	58.4	34.7	48.6	32.6	32.7
216.5	11.2	166.4	12.1	142.2	13.7	106.3	20.1	85.1	21.8	71.2	25.1	25.1	50.9	55.8	28.2	46.5	31.5	31.5
223.1	8.4	163.6	9.0	140.0	10.6	105.0	17.1	83.3	18.8	69.9	22.0	22.0	50.2	54.7	25.4	45.7	29.0	31.1
226.4	-	161.8	-	138.9	9.0	104.4	15.7	82.5	17.3	69.2	20.4	20.4	49.8	54.2	23.9	45.3	27.7	30.9
229.7	-	160.1	-	137.8	-	103.7	14.2	81.6	15.8	68.6	18.8	18.8	49.5	53.7	22.5	44.9	26.4	30.6
242.8	-	154.0	-	133.4	-	101.6	8.6	78.2	10.1	66.2	12.9	12.9	48.2	51.7	17.0	43.2	21.1	29.8
246.1	-	152.7	-	132.3	-	101.1	-	77.4	8.8	65.7	11.6	11.6	47.9	51.1	15.8	42.8	19.7	29.5
252.6	-	150.1	-	130.1	-	100.1	-	75.8	-	64.5	8.8	8.8	47.3	50.1	13.2	41.9	17.0	29.1
255.9	-	148.8	-	129.0	-	99.6	-	75.0	-	63.9	-	63.9	47.0	49.6	11.9	41.4	15.7	28.9
259.2	-	147.5	-	128.1	-	99.2	-	74.3	-	63.4	-	63.4	46.7	49.2	10.7	41.1	14.4	28.7
265.7	-	145.0	-	126.2	-	98.4	-	73.0	-	62.4	-	62.4	46.2	48.2	8.4	40.4	12.0	28.2
269.0	-	143.7	-	125.3	-	98.0	-	72.3	-	61.9	-	61.9	45.9	47.7	-	40.0	10.8	28.0
275.6	-	141.1	-	123.5	-	97.2	-	71.0	-	60.8	-	60.8	45.4	46.7	-	39.2	8.4	27.6
282.2	-	139.3	-	122.4	-	96.6	-	69.8	-	60.0	-	60.0	45.0	45.9	-	38.6	-	27.3
295.3	-	135.6	-	120.2	-	95.2	-	67.5	-	58.4	-	58.4	44.1	44.1	-	37.3	-	26.7
301.8	-	130.8	-	118.7	-	92.8	-	66.4	-	57.7	-	57.7	43.8	43.3	-	36.7	-	26.3
308.4	-	126.0	-	117.2	-	-	-	65.4	-	57.0	-	57.0	43.4	42.5	-	36.1	-	25.9
321.5	-	118.2	-	114.6	-	-	-	63.5	-	55.6	-	55.6	42.9	41.1	-	35.1	-	25.4
334.6	-	110.2	-	110.2	-	-	-	61.7	-	54.2	-	54.2	42.3	39.7	-	34.0	-	24.9
337.9	-	108.1	-	108.6	-	-	-	61.4	-	54.0	-	54.0	42.1	39.5	-	33.7	-	24.8
341.2	-	105.9	-	106.9	-	-	-	61.0	-	53.8	-	53.8	-	39.2	-	33.5	-	24.7
347.8	-	101.6	-	-	-	-	-	60.3	-	53.3	-	53.3	-	38.5	-	33.1	-	24.5
351.1	-	99.4	-	-	-	-	-	59.9	-	53.0	-	53.0	-	38.2	-	32.8	-	24.4
360.9	-	-	-	-	-	-	-	58.9	-	52.3	-	52.3	-	37.4	-	32.3	-	24.1
374.0	-	-	-	-	-	-	-	57.5	-	51.6	-	51.6	-	36.4	-	31.5	-	23.8
377.3	-	-	-	-	-	-	-	57.3	-	51.4	-	51.4	-	36.2	-	31.4	-	-
387.1	-	-	-	-	-	-	-	56.7	-	-	-	-	-	35.5	-	30.9	-	-
390.4	-	-	-	-	-	-	-	56.4	-	-	-	-	-	35.3	-	30.8	-	-
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	34.7	-	30.4	-	-
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	-	30.0	-	-
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb





* Attachable



** Option

 275,600 lb +  110,200 lb
  27.6 ft
  32.2 ft/s
  360°
  75%

236.2 ft																					
LSL+LF_2						LSL+LF_3				LSL+LF_2											
39.4 ft						78.7 ft				118.1 ft											
0 lb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb			
15°		20°		30°		15°		20°		15°		20°		30°		15°		20°		30°	
ft	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	
39.4	321.9	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42.7	298.7	380.3	291.0	291.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	275.6	368.2	280.0	282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49.2	257.9	357.1	261.2	275.6	179.7	179.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	240.3	346.1	242.5	269.0	176.4	176.4	-	-	190.7	190.7	-	-	-	-	-	-	-	-	-	-	
59.1	211.6	326.3	215.0	255.7	170.9	170.9	-	-	179.7	179.7	140.0	140.0	-	-	-	-	-	-	-	-	
65.6	188.5	308.6	190.7	244.7	164.2	164.2	-	-	169.8	169.8	133.4	133.4	-	-	114.6	114.6	-	-	-	-	
72.2	168.7	291.0	170.9	233.7	159.8	159.8	-	-	159.8	159.8	126.8	126.8	83.3	83.6	108.9	109.3	-	-	-	-	
75.5	160.4	284.4	162.6	229.3	157.1	157.1	-	-	156.0	156.0	124.0	124.0	82.0	82.2	106.3	106.7	84.2	84.7	-	-	
78.7	152.1	277.8	154.3	224.9	154.3	154.3	-	-	152.1	152.1	121.3	121.3	80.7	80.9	103.6	104.1	82.5	82.9	-	-	
85.3	137.8	264.6	140.0	216.1	142.2	149.9	-	-	138.9	144.4	115.7	115.7	78.3	78.5	98.8	99.2	79.1	79.4	-	-	
91.9	125.7	253.5	126.8	207.2	130.1	145.5	-	-	126.8	137.8	111.3	111.3	75.8	76.1	94.4	95.0	75.8	76.1	-	-	
95.1	120.2	248.0	121.3	203.4	124.0	143.3	-	-	121.3	134.5	109.5	109.5	74.8	75.0	92.4	92.9	74.4	74.6	48.1	48.1	
98.4	114.6	242.5	115.7	199.5	117.9	141.1	-	-	115.7	131.2	107.6	107.6	73.9	73.9	90.4	90.8	73.0	73.2	47.2	47.4	
111.5	96.4	224.9	97.4	187.0	99.3	134.5	-	-	99.4	120.9	98.0	100.1	69.7	69.7	83.3	83.6	67.8	68.0	44.4	44.6	
124.7	80.1	208.7	81.0	175.6	82.7	128.2	-	-	84.9	111.9	86.7	93.3	66.0	66.0	76.9	77.1	63.1	63.3	41.8	42.0	
137.8	65.7	194.0	66.6	165.3	68.1	122.4	-	-	72.1	104.3	73.6	87.3	62.6	62.6	71.0	71.2	58.9	59.1	39.5	39.7	
150.9	54.8	183.0	55.6	157.3	57.0	117.9	-	-	61.4	97.7	62.9	82.5	59.8	59.8	63.5	66.5	55.3	55.6	37.6	37.6	
164.0	45.3	172.7	45.9	149.5	47.1	113.9	-	-	51.7	91.7	53.1	78.0	54.5	57.2	55.7	62.5	52.2	52.4	35.8	35.8	
177.2	37.0	163.1	37.7	142.2	38.6	110.2	-	-	43.2	86.4	44.3	74.1	46.5	54.9	47.6	59.1	49.4	49.6	34.2	34.2	
190.3	30.7	155.8	31.2	137.1	32.0	107.6	-	-	36.4	81.9	37.6	70.7	39.5	53.0	40.7	56.0	42.3	47.3	32.7	32.8	
203.4	25.1	149.2	25.4	132.3	26.0	105.2	-	-	30.4	77.7	31.4	67.6	33.1	51.2	34.5	53.1	35.9	45.0	31.4	31.6	
213.3	21.3	144.8	21.6	129.0	19.0	103.6	-	-	26.5	75.0	27.2	65.5	28.8	50.0	30.3	51.0	31.6	43.5	30.5	30.7	
216.5	20.1	143.3	20.3	127.9	-	-	-	-	25.1	74.1	25.8	64.8	27.3	49.6	28.9	50.3	30.2	43.0	30.2	30.4	
229.7	15.9	138.2	16.2	124.2	-	-	-	-	20.7	71.0	21.4	62.5	22.6	48.4	24.3	47.9	25.5	41.2	26.8	29.4	
239.5	13.1	134.8	13.2	122.4	-	-	-	-	17.6	68.8	18.2	60.8	19.3	47.6	21.1	46.2	22.2	39.9	24.1	28.7	
242.8	12.2	133.9	-	-	-	-	-	-	16.7	68.2	17.3	60.3	18.3	47.3	20.1	45.7	21.2	39.5	23.1	28.5	
249.3	10.6	132.3	-	-	-	-	-	-	14.8	66.9	15.4	59.4	16.3	46.7	18.2	44.7	19.2	38.7	21.0	28.1	
255.9	-	-	-	-	-	-	-	-	13.0	65.7	13.4	58.4	-	-	16.3	43.7	17.2	37.9	19.0	27.8	
269.0	-	-	-	-	-	-	-	-	9.9	63.6	10.4	57.0	-	-	13.1	41.9	13.8	36.6	15.3	27.0	
275.6	-	-	-	-	-	-	-	-	8.4	62.6	8.8	56.2	-	-	11.5	41.0	12.1	35.9	13.4	26.7	
278.9	-	-	-	-	-	-	-	-	7.7	62.2	-	-	-	-	10.8	40.7	11.4	35.7	12.7	26.6	
282.2	-	-	-	-	-	-	-	-	-	61.7	-	-	-	-	10.1	40.3	10.7	35.4	11.9	26.6	
285.4	-	-	-	-	-	-	-	-	-	61.3	-	-	-	-	9.3	40.0	10.0	35.2	11.1	26.5	
288.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	39.6	9.3	34.9	10.4	26.5	
292.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	39.2	8.6	34.6	-	-	
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.8	7.9	34.4	-	-	
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.6	-	33.5	-	-	
315.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.0	-	33.1	-	-	
321.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.6	-	-	-	-	
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.4	-	-	-	-	

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  540,200 lb
  628,400 lb
  716,600 lb

		275,600 lb + 110,200 lb						27.6 ft						32.2 ft/s						360°		75%	
		LSL+LF_2						LSL+LF_3						LSL+LF_2									
		39.4 ft						78.7 ft						118.1 ft									
		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb			
		15°		20°		30°		15°		20°		15°		20°		30°		15°		20°		30°	
ft	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	
42.7	284.4	388.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	262.4	374.8	266.8	286.6	-	-	343.9	273.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	229.3	352.7	231.5	273.4	178.6	178.6	326.3	260.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
55.8	216.1	342.8	218.3	266.8	175.3	175.3	317.5	254.6	186.3	187.4	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	202.8	332.9	205.0	260.1	172.0	172.0	308.6	249.1	180.8	183.0	-	-	-	-	-	-	-	-	-	-	-	-	
62.3	191.3	324.1	194.0	254.6	169.2	169.2	302.0	244.7	176.4	178.0	137.8	137.8	-	-	-	-	-	-	-	-	-	-	
65.6	179.7	315.3	183.0	249.1	166.4	166.4	295.4	240.3	172.0	173.1	134.5	134.5	-	-	-	-	-	-	-	-	-	-	
68.9	170.3	307.5	173.1	243.6	164.2	164.2	288.3	234.8	167.0	168.7	131.7	131.7	-	-	112.4	112.4	-	-	-	-	-	-	
72.2	160.9	299.8	163.1	238.1	162.0	162.0	281.1	229.3	162.0	164.2	129.0	129.0	83.6	84.0	109.8	110.2	-	-	-	-	-	-	
78.7	145.5	286.6	146.6	229.3	151.0	156.5	266.8	220.5	146.6	155.4	123.5	123.5	81.1	81.4	104.7	105.2	82.9	83.3	-	-	-	-	
85.3	131.2	273.4	132.3	220.5	135.6	152.1	255.7	212.7	132.3	147.7	117.9	117.9	78.7	78.9	99.9	100.5	79.6	79.8	-	-	-	-	
91.9	119.0	262.4	120.2	212.7	123.5	147.7	244.7	205.0	121.3	141.1	113.5	113.5	76.5	76.7	95.7	96.1	76.5	76.7	-	-	-	-	
95.1	113.8	256.8	115.1	209.4	117.9	146.1	239.8	201.7	115.7	138.3	111.7	111.7	75.5	75.7	93.8	94.2	75.1	75.4	48.1	48.1	-	-	
98.4	108.5	251.3	110.0	206.1	112.4	144.4	234.8	198.4	110.2	135.6	109.8	109.8	74.5	74.7	91.9	92.4	73.6	74.1	47.4	47.4	-	-	
111.5	91.6	232.2	92.8	192.9	95.1	137.1	216.6	185.9	94.1	125.3	95.4	102.4	70.7	70.8	85.0	85.3	68.8	69.1	44.6	44.8	-	-	
124.7	76.1	215.7	77.2	181.1	79.2	130.8	202.5	174.9	79.8	116.0	81.9	95.8	67.1	67.1	77.5	78.9	64.2	64.4	42.1	42.3	-	-	
137.8	61.9	201.7	63.1	170.9	64.8	125.7	190.7	165.3	67.5	107.8	69.4	89.9	63.7	63.7	69.4	73.0	60.0	60.2	39.9	39.9	-	-	
150.9	50.9	190.7	51.9	162.0	53.5	120.5	180.4	157.3	57.6	101.2	59.5	85.0	59.6	60.9	60.0	68.3	56.4	56.7	38.0	38.0	-	-	
164.0	41.3	180.4	42.1	154.3	43.6	116.1	170.9	149.5	48.4	95.1	50.0	80.4	52.9	58.3	51.6	64.1	51.8	53.5	36.2	36.2	-	-	
177.2	33.1	170.9	33.7	147.7	35.1	112.4	162.0	142.2	39.7	89.5	41.2	76.3	43.7	56.0	44.1	60.4	46.1	50.7	34.6	34.6	-	-	
190.3	26.7	162.8	27.3	141.8	28.3	109.8	154.7	136.3	33.1	85.0	34.3	72.9	36.4	54.1	37.5	57.6	39.3	48.5	33.3	33.3	-	-	
203.4	21.0	155.4	21.5	136.3	22.3	107.2	147.7	131.2	27.0	80.8	28.1	69.7	30.0	52.2	31.4	54.8	33.1	46.3	31.7	32.0	-	-	
216.5	15.9	148.8	16.3	131.2	17.0	104.7	141.1	126.8	21.6	76.9	22.5	66.8	24.3	50.5	25.8	52.0	27.3	44.1	30.0	30.9	-	-	
226.4	12.8	145.0	13.1	128.7	13.7	103.4	137.2	124.1	18.3	74.5	19.1	64.9	20.6	49.5	22.3	50.3	23.7	42.8	26.2	30.1	-	-	
229.7	11.8	143.7	12.1	127.9	-	-	136.0	123.2	17.2	73.7	17.9	64.3	19.4	49.2	21.1	49.7	22.5	42.3	25.0	29.8	-	-	
242.8	7.9	138.9	8.2	124.8	-	-	131.5	120.6	13.1	70.8	13.7	62.1	15.0	48.0	16.8	47.5	18.1	40.6	20.4	28.9	-	-	
255.9	-	134.5	-	121.3	-	-	127.9	117.9	9.3	68.1	9.9	60.2	11.0	47.0	13.0	45.4	14.1	39.0	16.1	28.0	-	-	
262.5	-	133.0	-	-	-	-	126.4	-	7.7	66.9	8.4	59.4	9.3	46.5	11.4	44.5	12.4	38.4	14.3	27.7	-	-	
265.7	-	132.3	-	-	-	-	125.7	-	-	66.4	-	59.0	-	-	10.6	44.0	11.6	38.1	13.3	27.6	-	-	
269.0	-	-	-	-	-	-	-	-	-	65.8	-	58.6	-	-	9.8	43.5	10.7	37.8	12.4	27.4	-	-	
275.6	-	-	-	-	-	-	-	-	-	64.6	-	57.8	-	-	8.2	42.5	9.0	37.0	10.6	27.1	-	-	
278.9	-	-	-	-	-	-	-	-	-	64.2	-	57.5	-	-	-	42.2	8.4	36.8	9.8	27.0	-	-	
282.2	-	-	-	-	-	-	-	-	-	63.7	-	57.1	-	-	-	41.8	-	36.5	9.0	26.9	-	-	
285.4	-	-	-	-	-	-	-	-	-	63.3	-	56.8	-	-	-	41.4	-	36.2	8.2	26.8	-	-	
292.0	-	-	-	-	-	-	-	-	-	62.4	-	56.2	-	-	-	40.7	-	35.6	-	26.6	-	-	
295.3	-	-	-	-	-	-	-	-	-	61.9	-	-	-	-	-	40.3	-	35.3	-	26.5	-	-	
301.8	-	-	-	-	-	-	-	-	-	61.3	-	-	-	-	-	39.7	-	34.8	-	26.2	-	-	
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.0	-	34.4	-	-	-	-	
321.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.8	-	33.5	-	-	-	-	
331.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.1	-	32.8	-	-	-	-	
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.8	-	-	-	-	-	-	
341.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.4	-	-	-	-	-	-	

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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275,600 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	275.6 ft																	
	LSL+LF_2						LSL+LF_3			LSL+LF_2								
	39.4 ft									78.7 ft						118.1 ft		
	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	
t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	
42.7	271.2	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	253.5	381.4	255.7	291.0	-	-	341.7	277.8	-	-	-	-	-	-	-	-	-	
52.5	220.5	361.6	222.7	277.8	179.7	179.7	328.5	264.6	-	-	-	-	-	-	-	-	-	
55.8	207.8	351.6	210.0	271.2	176.9	176.9	321.9	259.0	187.4	188.5	-	-	-	-	-	-	-	
59.1	195.1	341.7	197.3	264.6	174.2	174.2	315.3	253.5	183.0	184.1	-	-	-	-	-	-	-	
62.3	184.1	332.9	186.3	259.0	171.4	171.4	307.5	248.0	178.0	179.7	138.9	138.9	-	-	-	-	-	
65.6	173.1	324.1	175.3	253.5	168.7	168.7	299.8	242.5	173.1	175.3	135.6	136.7	-	-	-	-	-	
68.9	163.7	316.4	165.9	249.1	164.8	165.9	293.8	238.1	164.2	170.9	132.8	133.4	-	-	112.4	113.5	-	
72.2	154.3	308.6	156.5	244.7	160.9	163.1	287.7	233.7	155.4	166.4	130.1	130.1	-	-	110.2	110.2	-	
75.5	146.6	300.9	148.8	239.2	153.2	160.9	281.6	229.3	148.3	162.6	127.3	127.3	82.7	82.9	107.8	108.1	-	
78.7	138.9	293.2	141.1	233.7	145.5	158.7	275.6	224.9	141.1	158.7	124.6	124.6	81.4	81.6	105.4	106.0	83.1	
85.3	125.7	282.2	127.9	224.9	131.2	154.3	263.5	217.2	127.9	152.1	120.2	120.2	79.1	79.4	100.8	101.4	79.8	
91.9	113.5	269.0	115.7	218.3	119.0	149.9	251.3	209.4	115.7	145.5	115.7	115.7	76.9	77.4	96.8	97.2	76.9	
98.4	103.8	257.9	105.4	210.5	108.2	146.6	241.4	202.8	106.5	138.9	109.3	111.3	75.0	75.2	93.0	93.5	74.3	
111.5	87.2	240.3	88.6	198.0	91.1	140.0	223.8	190.3	90.2	128.6	92.7	104.4	71.4	71.5	86.3	86.7	69.6	
124.7	72.5	224.1	73.7	186.7	75.8	133.7	209.8	179.3	76.0	119.4	78.3	98.0	68.0	68.0	77.2	80.5	65.2	
137.8	59.5	209.4	60.6	176.4	62.6	127.9	197.3	169.8	63.9	111.3	65.9	92.2	64.8	64.8	65.9	74.7	61.1	
150.9	48.5	197.7	49.5	167.6	51.1	123.5	187.0	162.4	54.5	104.6	56.4	87.2	58.1	62.0	56.7	70.0	56.7	
164.0	38.9	187.0	39.7	159.5	41.2	119.0	177.5	155.1	45.7	98.4	47.4	82.6	50.3	59.5	48.4	65.8	50.7	
177.2	30.6	177.5	31.3	152.1	32.6	114.6	168.7	147.7	37.5	92.8	39.0	78.5	41.7	57.1	41.0	61.9	43.2	
190.3	24.2	168.7	24.8	146.2	25.9	111.7	160.6	141.8	30.7	88.1	32.1	75.0	34.5	55.0	35.0	59.0	36.9	
203.4	18.4	160.9	19.0	140.7	19.8	109.0	153.2	136.3	24.6	83.8	25.9	71.7	28.0	53.2	29.2	56.2	30.9	
216.5	13.2	154.3	13.7	135.6	14.6	106.5	146.6	131.2	19.2	79.8	20.3	68.8	22.3	51.6	23.6	53.6	25.1	
229.7	9.0	149.0	9.4	131.2	10.1	104.6	140.7	126.8	14.8	76.4	15.7	66.3	17.4	50.1	18.9	51.2	20.4	
232.9	7.9	147.7	8.4	130.1	9.0	104.1	139.3	125.7	13.7	75.6	14.6	65.7	16.2	49.8	17.7	50.6	19.3	
236.2	-	145.5	-	129.0	7.9	103.6	137.8	124.6	12.6	74.7	13.4	65.0	15.0	49.4	16.5	50.0	18.1	
239.5	-	144.4	-	128.2	-	103.2	136.7	123.8	11.6	74.1	12.5	64.5	14.0	49.1	15.6	49.5	17.1	
242.8	-	143.3	-	127.5	-	-	135.6	123.1	10.6	73.4	11.5	64.0	13.0	48.9	14.6	49.0	16.1	
252.6	-	140.0	-	125.3	-	-	132.3	120.9	7.7	71.3	8.6	62.4	10.0	48.1	11.8	47.5	13.1	
255.9	-	138.9	-	124.6	-	-	131.2	120.2	-	70.5	-	61.7	9.0	47.8	10.8	47.0	12.1	
259.2	-	138.0	-	123.9	-	-	130.4	119.7	-	69.9	-	61.3	8.2	47.6	9.9	46.4	11.2	
265.7	-	136.1	-	122.6	-	-	129.0	118.8	-	68.7	-	60.4	-	47.2	8.2	45.4	9.5	
269.0	-	135.2	-	121.9	-	-	128.2	118.4	-	68.0	-	60.0	-	47.0	-	45.0	8.6	
272.3	-	134.3	-	121.3	-	-	127.5	117.9	-	67.4	-	59.5	-	46.7	-	44.5	-	
278.9	-	132.3	-	-	-	-	126.2	-	-	66.3	-	58.8	-	46.3	-	43.7	-	
282.2	-	131.2	-	-	-	-	125.7	-	-	65.8	-	58.4	-	-	-	43.3	-	
295.3	-	-	-	-	-	-	-	-	-	63.9	-	57.1	-	-	-	41.7	-	
308.4	-	-	-	-	-	-	-	-	-	62.3	-	56.0	-	-	-	40.3	-	
315.0	-	-	-	-	-	-	-	-	-	61.5	-	-	-	-	-	39.7	-	
321.5	-	-	-	-	-	-	-	-	-	60.8	-	-	-	-	-	39.1	-	
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.9	-	
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.9	-	
357.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2	-	

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

275,600 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

ft	295.3 ft																	
	LSL+LF_2						LSL+LF_3			LSL+LF_2								
	39.4 ft									78.7 ft						118.1 ft		
	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb
	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°
t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
45.9	240.3	379.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.2	226.0	373.7	229.3	286.6	-	-	324.1	271.2	-	-	-	-	-	-	-	-	-	-
52.5	211.6	368.2	213.8	280.0	-	-	319.7	266.8	-	-	-	-	-	-	-	-	-	-
55.8	199.0	358.3	201.2	274.5	177.5	177.5	315.3	261.2	-	-	-	-	-	-	-	-	-	-
59.1	186.3	348.3	188.5	269.0	175.3	175.3	310.9	255.7	184.1	185.2	-	-	-	-	-	-	-	-
65.6	165.3	330.7	167.6	257.9	169.8	169.8	302.0	246.9	166.4	176.4	136.7	137.8	-	-	-	-	-	-
72.2	147.7	315.3	149.9	249.1	154.3	165.3	291.0	238.1	148.8	168.7	132.3	132.3	-	-	110.2	111.3	-	-
75.5	140.0	308.6	142.2	243.6	146.1	163.1	285.5	233.7	141.6	165.3	129.5	129.5	82.9	83.1	108.2	109.1	-	-
78.7	132.3	302.0	134.5	238.1	137.8	160.9	280.0	229.3	134.5	162.0	126.8	126.8	81.8	82.0	106.3	106.9	-	-
82.0	125.7	295.4	127.9	233.7	131.2	158.7	274.5	224.9	127.9	158.2	124.6	124.6	80.7	80.9	104.1	104.6	81.8	82.2
85.3	119.0	288.8	121.3	229.3	124.6	156.5	269.0	220.5	121.3	154.3	122.4	122.4	79.6	79.8	101.9	102.3	80.2	80.7
91.9	107.8	277.8	109.6	222.7	112.4	152.1	257.9	213.8	110.2	148.8	113.5	117.9	77.4	77.8	97.7	98.3	77.4	77.8
98.4	97.7	266.8	99.4	216.1	102.5	148.8	249.1	207.2	101.0	142.2	104.1	113.5	75.6	75.8	94.1	94.6	74.7	75.2
111.5	81.5	247.7	83.0	202.8	85.6	142.2	231.5	194.7	85.0	131.9	87.7	106.6	72.1	72.3	84.1	88.1	70.2	70.6
124.7	67.4	231.1	68.6	191.1	70.9	136.0	216.1	183.7	71.0	122.7	73.5	100.2	68.6	68.9	73.3	82.1	65.9	66.3
137.8	55.3	217.2	56.4	180.8	58.4	130.1	202.8	174.2	59.1	114.6	61.3	94.1	65.3	65.7	61.5	76.5	61.9	62.2
150.9	44.6	204.7	45.6	172.0	47.4	125.7	193.3	166.8	49.8	107.7	51.9	89.3	55.4	62.9	52.4	71.7	54.3	58.8
164.0	35.1	193.3	35.9	163.9	37.6	121.3	183.7	159.5	41.5	101.4	43.4	84.8	46.5	60.3	44.2	67.3	46.7	55.6
177.2	26.7	183.0	27.6	156.5	28.9	116.8	174.2	152.1	34.2	95.7	35.7	80.7	38.6	58.0	36.8	63.5	39.0	52.7
190.3	20.2	174.9	20.9	150.6	22.1	113.9	166.1	146.2	27.3	91.0	28.8	77.0	31.4	56.1	30.8	60.4	32.8	50.5
203.4	14.4	167.3	15.0	145.1	16.0	111.1	158.7	140.7	21.1	86.6	22.5	73.7	24.8	54.2	25.3	57.6	27.2	48.4
216.5	9.3	159.8	9.7	140.0	10.6	108.5	152.1	135.6	15.7	82.5	16.8	70.8	19.0	52.5	20.3	55.1	22.0	46.3
219.8	7.9	158.7	8.6	138.9	9.5	107.9	150.6	134.5	14.5	81.6	15.6	70.1	17.7	52.1	19.1	54.5	20.9	45.9
223.1	-	157.2	-	137.8	8.4	107.3	149.2	133.4	13.4	80.8	14.5	69.4	16.5	51.7	18.0	53.9	19.7	45.4
229.7	-	154.1	-	135.6	-	106.1	146.2	131.2	11.1	79.1	12.2	68.1	14.1	51.0	15.7	52.8	17.3	44.5
239.5	-	149.7	-	132.5	-	104.5	142.0	128.1	7.9	76.6	8.9	66.2	10.7	50.0	12.4	51.1	14.0	43.2
242.8	-	148.4	-	131.5	-	104.1	140.7	127.1	-	75.8	7.9	65.7	9.6	49.7	11.4	50.5	12.9	42.8
246.1	-	147.2	-	130.6	-	103.7	139.4	126.2	-	75.1	-	65.1	8.6	49.4	10.4	50.0	11.9	42.4
252.6	-	144.6	-	128.8	-	103.0	136.9	124.4	-	73.5	-	64.0	-	48.8	8.4	48.9	9.8	41.6
255.9	-	143.3	-	127.9	-	102.5	135.6	123.5	-	72.8	-	63.5	-	48.5	-	48.3	8.8	41.2
259.2	-	142.2	-	127.1	-	-	134.7	122.7	-	72.1	-	63.0	-	48.2	-	47.8	7.9	40.9
265.7	-	140.0	-	125.7	-	-	132.8	121.3	-	70.9	-	62.1	-	47.7	-	46.8	-	40.1
269.0	-	138.9	-	124.9	-	-	131.9	120.5	-	70.3	-	61.6	-	47.5	-	46.4	-	39.8
282.2	-	135.2	-	122.4	-	-	128.6	117.9	-	67.9	-	59.9	-	46.6	-	44.6	-	38.4
288.7	-	133.7	-	121.3	-	-	127.1	116.8	-	66.8	-	59.2	-	46.3	-	43.8	-	37.8
292.0	-	133.0	-	-	-	-	126.4	-	-	66.2	-	58.8	-	46.1	-	43.4	-	37.6
295.3	-	132.3	-	-	-	-	125.7	-	-	65.7	-	58.4	-	-	-	43.0	-	37.3
298.6	-	131.2	-	-	-	-	125.7	-	-	65.3	-	58.1	-	-	-	42.6	-	37.0
308.4	-	-	-	-	-	-	-	-	-	63.9	-	57.1	-	-	-	41.5	-	36.2
321.5	-	-	-	-	-	-	-	-	-	62.4	-	56.0	-	-	-	40.2	-	35.2
324.8	-	-	-	-	-	-	-	-	-	62.1	-	55.8	-	-	-	39.9	-	34.9
331.4	-	-	-	-	-	-	-	-	-	61.4	-	-	-	-	-	39.3	-	34.4
334.6	-	-	-	-	-	-	-	-	-	61.1	-	-	-	-	-	39.0	-	34.2
337.9	-	-	-	-	-	-	-	-	-	60.6	-	-	-	-	-	38.8	-	34.0
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.0	-	33.5
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.0	-	32.8
364.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.8	-	32.6
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

275,600 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

ft	315.0 ft																		
	LSL+LF_2						LSL+LF_3			LSL+LF_2									
	39.4 ft									78.7 ft						118.1 ft			
	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 lb	0-716.6 klb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°		
45.9	231.5	346.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.2	217.2	345.0	220.5	291.0	-	-	317.5	271.2	-	-	-	-	-	-	-	-	-	-	-
52.5	202.8	343.9	206.1	284.4	-	-	315.3	269.0	-	-	-	-	-	-	-	-	-	-	-
55.8	190.7	342.8	194.0	278.9	178.6	178.6	312.0	264.6	-	-	-	-	-	-	-	-	-	-	-
59.1	178.6	341.7	181.9	273.4	176.4	176.4	308.6	260.1	179.7	185.2	-	-	-	-	-	-	-	-	-
65.6	158.7	337.3	160.9	262.4	166.4	170.9	302.0	249.1	159.8	177.5	137.8	137.8	-	-	-	-	-	-	-
72.2	142.2	321.9	144.4	251.3	148.8	166.4	292.1	240.3	143.3	169.8	132.3	133.4	-	-	-	-	-	-	-
75.5	134.5	315.3	136.7	246.9	141.1	164.2	287.2	237.0	136.7	166.4	130.1	130.6	-	-	108.7	109.3	-	-	-
78.7	126.8	308.6	129.0	242.5	133.4	162.0	282.2	233.7	130.1	163.1	127.9	127.9	81.8	82.0	106.5	107.1	-	-	-
82.0	120.7	302.0	122.4	238.1	126.8	159.8	277.2	229.3	123.5	159.8	124.0	125.7	80.8	80.9	104.4	104.9	81.8	82.2	-
85.3	114.6	295.4	115.7	233.7	120.2	157.6	272.3	224.9	116.8	156.5	121.3	123.5	79.8	79.8	102.3	102.7	80.5	80.9	-
91.9	103.6	284.4	105.4	227.1	108.9	154.3	262.4	218.3	106.7	151.0	110.2	119.0	77.8	77.8	98.3	99.0	77.6	78.0	-
98.4	93.7	273.4	95.5	220.5	98.5	149.9	254.6	211.6	97.0	145.5	100.3	115.7	75.8	75.8	94.4	95.2	75.2	75.4	-
101.7	89.7	268.6	91.4	217.2	94.4	148.4	250.8	208.5	93.1	142.9	96.3	114.0	75.0	75.2	90.9	93.7	74.0	74.3	46.5
111.5	77.8	254.3	79.3	207.2	82.1	144.0	239.2	199.2	81.3	135.2	84.1	108.7	72.5	72.7	81.9	88.9	70.7	71.0	44.8
124.7	64.0	237.4	65.3	195.5	67.7	138.2	224.5	188.1	67.6	125.7	70.1	102.2	67.8	69.5	70.1	83.0	65.8	66.9	42.6
137.8	52.2	222.7	53.4	185.2	55.3	132.3	210.5	178.6	56.0	116.8	58.2	96.3	62.4	66.6	58.6	77.6	61.7	63.1	40.6
150.9	42.3	210.9	43.2	176.4	45.2	127.9	199.5	171.2	46.9	110.5	48.9	91.3	52.7	63.8	49.5	72.9	52.5	59.7	38.8
164.0	33.1	199.9	34.0	168.3	35.8	123.5	189.6	163.9	38.7	104.5	40.6	86.7	43.9	61.2	41.4	68.6	44.1	56.5	37.1
177.2	24.7	189.6	25.6	160.9	27.1	119.0	180.8	156.5	31.5	98.8	33.1	82.5	36.2	58.9	34.2	64.6	36.6	53.6	35.5
190.3	18.1	180.8	19.0	155.1	20.2	115.4	172.7	150.6	25.2	93.8	26.7	78.9	29.5	57.0	28.3	61.4	30.4	51.1	32.7
203.4	12.1	172.8	12.9	149.4	14.0	112.4	165.0	144.8	19.3	89.2	20.7	75.6	23.3	55.1	22.9	58.4	24.8	48.8	28.6
213.3	8.2	167.6	8.8	145.0	10.0	110.8	159.5	140.4	15.1	86.1	16.4	73.3	18.9	53.8	19.1	56.4	20.9	47.3	24.5
216.5	-	165.3	-	143.3	8.6	110.2	157.6	138.9	13.7	85.1	15.0	72.5	17.4	53.4	17.9	55.8	19.6	46.7	23.1
229.7	-	159.5	-	138.9	-	107.9	151.8	134.5	9.1	81.6	10.4	69.9	12.6	51.9	13.6	53.5	15.4	45.0	18.4
232.9	-	158.0	-	137.8	-	107.3	150.3	133.4	7.9	80.7	9.3	69.2	11.4	51.5	12.5	52.9	14.3	44.5	17.3
236.2	-	156.5	-	136.7	-	106.7	148.8	132.3	-	79.8	8.2	68.6	10.1	51.1	11.5	52.2	13.2	44.1	16.1
242.8	-	153.6	-	134.8	-	105.7	145.9	130.4	-	78.3	-	67.4	7.9	50.5	9.6	51.2	11.2	43.3	14.0
246.1	-	152.1	-	133.9	-	105.3	144.4	129.5	-	77.5	-	66.8	-	50.2	8.6	50.7	10.2	42.9	13.0
252.6	-	149.2	-	132.1	-	104.3	141.5	127.7	-	75.9	-	65.6	-	49.5	-	49.7	8.2	42.1	10.9
255.9	-	147.7	-	131.2	-	103.8	140.0	126.8	-	75.2	-	65.0	-	49.2	-	49.2	-	41.7	9.9
262.5	-	145.5	-	129.3	-	103.1	138.2	124.9	-	73.9	-	64.1	-	48.6	-	48.2	-	40.9	7.9
269.0	-	143.3	-	127.5	-	102.3	136.3	123.1	-	72.5	-	63.1	-	48.1	-	47.3	-	40.2	-
282.2	-	139.3	-	124.6	-	-	132.6	120.2	-	70.1	-	61.4	-	47.3	-	45.5	-	38.9	-
295.3	-	135.6	-	122.4	-	-	129.0	117.9	-	67.9	-	59.7	-	46.5	-	43.9	-	37.7	-
305.1	-	129.5	-	121.3	-	-	125.1	116.8	-	66.4	-	58.6	-	45.9	-	42.8	-	36.9	-
308.4	-	127.5	-	-	-	-	123.8	-	-	65.8	-	58.3	-	-	-	42.4	-	36.7	-
315.0	-	123.5	-	-	-	-	121.3	-	-	64.8	-	57.5	-	-	-	41.7	-	36.2	-
321.5	-	-	-	-	-	-	-	-	-	64.0	-	57.1	-	-	-	41.1	-	35.7	-
334.6	-	-	-	-	-	-	-	-	-	62.4	-	56.0	-	-	-	39.9	-	34.8	-
344.5	-	-	-	-	-	-	-	-	-	61.5	-	55.3	-	-	-	39.1	-	34.3	-
347.8	-	-	-	-	-	-	-	-	-	61.2	-	-	-	-	-	38.9	-	34.2	-
354.3	-	-	-	-	-	-	-	-	-	60.6	-	-	-	-	-	38.4	-	33.7	-
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.9	-	33.5	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.0	-	32.8	-
380.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.7	-	32.6	-
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	-	-	-
393.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.9	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

275,600 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	334.6 ft																				
	LSL+LF_2						LSL+LF_3			LSL+LF_2											
	39.4 ft									78.7 ft						118.1 ft					
	0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb			0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb			
	15°		20°		30°		15°			20°			30°			15°		20°		30°	
t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	
49.2	207.2	324.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	194.0	324.1	197.3	286.6	-	-	306.4	264.6	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	170.9	321.9	173.1	275.6	177.5	177.5	302.0	260.1	-	-	-	-	-	-	-	-	-	-	-	-	
62.3	160.9	320.8	163.1	270.1	168.1	174.7	298.7	255.7	162.0	183.0	-	-	-	-	-	-	-	-	-	-	
65.6	151.0	319.7	153.2	264.6	158.7	172.0	295.4	251.3	153.2	178.6	-	-	-	-	-	-	-	-	-	-	
68.9	142.7	318.6	145.0	260.1	150.5	169.8	292.1	246.9	145.0	175.3	135.6	136.7	-	-	-	-	-	-	-	-	
72.2	134.5	317.5	136.7	255.7	142.2	167.6	288.8	242.5	136.7	172.0	133.4	134.5	-	-	-	-	-	-	-	-	
75.5	127.3	314.2	129.5	251.3	134.5	165.3	285.5	239.2	130.1	168.7	130.6	132.3	-	-	109.1	110.0	-	-	-	-	
78.7	120.2	310.9	122.4	246.9	126.8	163.1	282.2	235.9	123.5	165.3	127.9	130.1	82.0	82.2	107.1	107.8	-	-	-	-	
85.3	108.2	302.0	110.2	238.1	113.5	159.8	274.5	229.3	111.3	158.7	114.6	125.7	80.0	80.2	103.0	103.6	80.7	81.1	-	-	
91.9	97.4	291.0	99.2	231.5	103.0	155.4	266.8	222.7	101.0	153.2	104.7	121.3	78.0	78.3	99.2	99.9	78.0	78.5	-	-	
98.4	87.7	280.0	89.5	224.9	92.8	152.1	259.0	216.1	91.5	147.7	95.0	116.8	76.3	76.5	93.9	96.3	75.6	76.1	-	-	
101.7	83.8	275.2	85.5	221.6	88.8	150.5	255.2	212.9	87.6	145.1	91.1	115.2	75.5	75.7	90.1	94.8	74.5	75.0	46.5	46.7	
111.5	72.2	260.9	73.6	211.6	76.6	145.5	244.7	203.6	76.1	137.4	79.1	110.2	73.0	73.3	78.8	90.2	71.2	71.7	44.9	45.0	
124.7	58.6	244.0	59.9	199.9	62.5	139.6	231.9	192.5	62.6	128.2	65.3	104.0	66.8	70.2	65.6	84.4	65.2	67.6	42.8	42.9	
137.8	47.0	229.3	48.3	189.6	50.5	134.5	219.4	183.0	51.1	120.2	53.6	98.1	58.0	67.2	54.2	79.1	57.5	63.9	40.8	41.0	
150.9	37.8	217.5	39.2	180.8	41.1	129.3	206.9	174.9	42.2	113.5	44.3	93.3	48.4	64.6	45.3	74.4	48.3	60.6	39.2	39.2	
164.0	29.1	206.1	30.3	172.7	32.0	124.9	195.5	167.6	34.1	107.3	36.0	88.7	39.8	62.1	37.2	70.1	40.0	57.5	37.4	37.6	
177.2	20.7	195.1	21.6	165.3	23.4	121.3	185.2	160.9	26.9	101.4	28.7	84.4	32.0	59.7	30.0	66.1	32.6	54.7	35.9	36.2	
190.3	14.1	186.3	15.0	159.2	16.5	117.6	177.8	155.1	21.0	96.6	22.6	80.8	25.6	57.7	24.1	62.9	26.5	52.2	30.3	34.7	
203.4	8.2	178.8	8.8	153.2	10.2	114.6	170.5	148.6	15.5	92.0	17.0	77.4	19.7	55.9	18.7	60.0	20.8	49.9	24.8	33.4	
206.7	-	176.8	-	151.8	8.8	113.8	168.7	147.3	14.2	90.9	15.7	76.6	18.3	55.4	17.4	59.3	19.5	49.4	23.5	33.2	
216.5	-	170.9	-	147.7	-	111.3	163.1	143.3	10.4	87.7	11.7	74.3	14.1	54.2	13.7	57.3	15.7	47.8	19.4	32.4	
223.1	-	167.6	-	145.1	-	110.3	159.8	141.1	7.9	85.9	9.2	73.0	11.6	53.5	11.6	56.1	13.5	47.0	17.1	31.9	
226.4	-	165.9	-	143.9	-	109.8	158.2	140.0	-	85.0	7.9	72.3	10.4	53.1	10.5	55.5	12.5	46.5	16.0	31.6	
229.7	-	164.2	-	142.6	-	109.3	156.5	138.9	-	84.1	-	71.7	9.2	52.7	9.4	54.9	11.4	46.1	14.8	31.4	
232.9	-	162.6	-	141.3	-	108.8	154.9	137.8	-	83.2	-	71.0	7.9	52.2	8.4	54.4	10.3	45.6	13.7	31.1	
239.5	-	159.7	-	139.1	-	107.7	151.9	135.6	-	81.4	-	69.7	-	51.5	-	53.2	8.2	44.8	11.5	30.6	
242.8	-	158.4	-	138.2	-	107.2	150.6	134.5	-	80.6	-	69.2	-	51.2	-	52.7	-	44.4	10.5	30.4	
249.3	-	155.8	-	136.3	-	106.2	148.1	132.3	-	79.0	-	68.0	-	50.6	-	51.6	-	43.6	8.4	29.9	
255.9	-	153.2	-	134.5	-	105.2	145.5	130.1	-	77.4	-	66.8	-	50.0	-	50.5	-	42.8	-	29.3	
269.0	-	148.1	-	130.8	-	103.5	141.1	127.1	-	74.7	-	64.7	-	48.9	-	48.6	-	41.3	-	28.6	
282.2	-	141.1	-	127.5	-	102.1	136.0	124.2	-	72.2	-	62.8	-	47.8	-	46.8	-	39.9	-	27.9	
285.4	-	138.9	-	126.8	-	100.3	134.5	123.5	-	71.7	-	62.4	-	47.6	-	46.4	-	39.6	-	27.8	
295.3	-	132.3	-	124.6	-	130.1	121.3	121.3	-	69.9	-	61.1	-	47.0	-	45.2	-	38.6	-	27.3	
308.4	-	124.2	-	121.6	-	122.4	118.6	118.6	-	67.8	-	59.6	-	46.3	-	43.7	-	37.6	-	26.7	
321.5	-	116.3	-	116.8	-	114.7	114.6	114.6	-	65.9	-	58.3	-	45.6	-	42.3	-	36.6	-	26.2	
324.8	-	114.7	-	66.8	-	113.1	-	-	-	65.5	-	58.0	-	-	-	42.0	-	36.4	-	26.1	
334.6	-	109.8	-	-	-	108.2	-	-	-	64.2	-	57.1	-	-	-	41.0	-	35.7	-	25.8	
347.8	-	-	-	-	-	-	-	-	-	62.7	-	56.1	-	-	-	40.0	-	34.8	-	25.6	
357.6	-	-	-	-	-	-	-	-	-	61.6	-	55.3	-	-	-	39.2	-	34.4	-	25.4	
360.9	-	-	-	-	-	-	-	-	-	61.3	-	55.1	-	-	-	38.9	-	34.2	-	-	
370.7	-	-	-	-	-	-	-	-	-	60.4	-	-	-	-	-	38.2	-	33.7	-	-	
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.9	-	33.5	-	-	
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.2	-	32.9	-	-	
397.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.6	-	32.4	-	-	
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.5	-	-	-	-	
410.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.9	-	-	-	-	

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

		275,600 lb + 110,200 lb				27.6 ft				32.2 ft/s				360°		75%			
		393.7 ft								403.5 ft									
		LSL+LF_2				LSL+LF_3				LSL+LF_2				LSL+LF_3					
		39.4 ft				78.7 ft				118.1 ft				39.4 ft					
		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb			
		15°		20°		30°		15°		20°		30°		15°		20°			
ft	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t		
52.5	167.6	251.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
55.8	157.1	250.2	159.8	238.1	-	-	271.2	240.3	-	-	-	-	-	-	-	-	-		
59.1	146.6	249.1	149.9	238.1	-	-	271.2	240.3	-	-	-	-	-	-	-	262.4	233.7		
62.3	137.8	249.1	141.1	238.1	146.6	177.5	271.2	240.3	-	-	-	-	-	-	-	-	262.4		
65.6	129.0	249.1	132.3	238.1	137.8	175.3	271.2	240.3	-	-	-	-	-	-	-	-	262.4		
68.9	121.8	248.0	124.6	238.1	130.1	173.1	270.6	239.2	125.7	165.3	-	-	-	-	-	-	262.4		
72.2	114.6	246.9	116.8	238.1	122.4	170.9	270.1	238.1	119.0	164.2	123.5	134.5	-	-	-	-	262.4		
78.7	101.4	246.9	104.1	238.1	108.9	167.6	269.0	238.1	106.3	162.0	110.2	130.1	-	-	-	-	262.4		
82.0	95.7	245.8	98.2	238.1	102.8	165.3	266.8	237.0	100.5	160.4	104.8	128.4	-	-	101.6	105.4	261.2		
85.3	89.9	244.7	92.4	238.1	96.8	163.1	264.6	235.9	94.8	158.7	99.4	126.8	80.0	80.5	98.3	103.6	260.1		
91.9	79.8	242.5	82.0	235.9	86.2	159.8	260.1	229.3	84.9	156.5	89.1	123.5	78.5	78.7	88.4	100.8	257.9		
98.4	71.0	242.5	73.0	233.7	76.9	156.5	255.7	222.7	76.1	152.1	79.8	121.3	76.9	77.2	79.6	97.7	254.6		
108.3	60.0	240.3	61.8	225.4	65.4	152.1	248.6	215.0	65.1	146.1	68.6	116.3	70.1	75.1	68.8	93.5	76.5	45.4	249.7
111.5	56.3	239.6	58.1	222.7	61.5	150.6	245.8	212.4	61.5	144.0	64.8	114.6	68.0	74.4	65.2	92.1	72.5	44.9	248.0
124.7	43.5	235.9	45.1	212.0	48.1	144.8	235.2	202.5	48.7	136.0	51.7	108.6	57.7	71.7	52.5	87.0	68.9	43.0	240.3
137.8	32.6	231.5	34.0	201.7	36.6	138.9	224.9	192.9	37.7	127.9	40.3	103.2	45.6	69.2	41.4	82.5	65.7	41.2	231.5
150.9	24.0	220.5	25.3	192.2	27.6	134.5	210.9	184.1	29.0	121.3	31.5	98.2	36.2	66.6	32.9	78.2	62.8	39.8	213.0
164.0	16.2	211.6	17.4	183.9	19.5	130.5	192.9	175.3	21.2	115.0	23.5	93.6	27.8	64.2	25.1	74.1	59.9	38.3	201.0
177.2	9.5	202.8	10.4	176.4	12.3	126.8	181.9	168.7	14.3	109.1	16.3	89.5	20.3	61.9	18.1	70.1	57.1	36.8	190.7
180.4	7.9	200.1	9.0	174.7	10.8	125.8	178.9	164.6	12.8	107.8	14.8	88.6	18.7	61.5	16.6	69.2	56.5	36.5	185.9
187.0	-	194.6	-	171.4	7.7	124.0	173.1	159.3	9.9	105.3	11.8	86.7	15.7	60.5	13.8	67.5	55.2	35.8	178.0
190.3	-	192.9	-	169.8	-	123.1	170.1	157.3	8.4	104.0	10.3	85.8	14.1	60.0	12.3	66.7	54.6	35.5	175.6
193.6	-	191.3	-	168.1	-	122.2	167.2	155.2	-	102.7	8.8	84.9	12.6	59.5	10.9	65.8	54.0	35.2	173.2
200.1	-	187.8	-	165.0	-	120.5	160.4	151.2	-	100.3	-	83.2	9.6	58.5	8.2	64.3	52.8	34.5	168.5
203.4	-	185.9	-	163.5	-	119.8	158.7	149.2	-	99.2	-	82.4	8.2	58.1	-	63.6	52.2	34.2	166.1
216.5	-	178.6	-	157.6	-	116.8	152.1	141.1	-	94.8	-	79.1	-	56.4	-	60.6	50.0	33.1	156.5
229.7	-	172.3	-	152.5	-	113.9	143.7	136.7	-	91.0	-	76.4	-	54.8	-	58.1	48.1	32.0	151.4
242.8	-	164.2	-	147.7	-	111.4	138.9	130.6	-	87.4	-	73.7	-	53.4	-	55.8	46.4	31.1	144.4
255.9	-	153.2	-	143.3	-	109.3	134.5	126.8	-	84.0	-	71.2	-	52.0	-	53.6	44.8	30.2	140.0
269.0	-	142.2	-	138.9	-	107.3	130.1	123.5	-	81.1	-	69.0	-	50.9	-	51.6	43.3	29.5	135.4
282.2	-	131.9	-	131.9	-	105.5	125.3	121.3	-	78.3	-	67.0	-	49.8	-	49.8	41.9	28.7	127.5
295.3	-	122.4	-	122.4	-	103.8	120.2	119.0	-	75.6	-	65.0	-	48.7	-	48.1	40.6	28.0	117.9
308.4	-	114.3	-	114.3	-	102.4	111.8	111.7	-	73.3	-	63.4	-	47.8	-	46.4	39.5	27.4	109.3
321.5	-	106.4	-	106.5	-	101.2	103.8	104.1	-	71.1	-	61.9	-	47.0	-	45.0	38.4	26.8	101.1
328.1	-	102.6	-	102.7	-	100.8	99.9	100.2	-	70.2	-	61.1	-	46.7	-	44.3	37.8	26.5	97.3
334.6	-	98.8	-	99.0	-	-	96.1	96.3	-	69.2	-	60.4	-	46.3	-	43.7	37.3	26.2	93.5
347.8	-	92.0	-	92.4	-	-	89.5	89.7	-	67.5	-	59.1	-	45.7	-	42.5	36.4	25.8	86.6
360.9	-	85.7	-	86.1	-	-	83.2	83.4	-	65.8	-	57.9	-	45.2	-	41.4	35.6	25.4	80.6
364.2	-	84.3	-	84.6	-	-	81.7	81.9	-	65.4	-	57.7	-	45.0	-	41.1	35.4	25.4	79.1
374.0	-	79.8	-	80.0	-	-	77.4	66.8	-	64.2	-	56.9	-	-	-	40.3	34.8	25.1	74.7
383.9	-	75.8	-	-	-	-	73.4	-	-	63.2	-	56.2	-	-	-	39.6	34.4	25.0	70.9
387.1	-	-	-	-	-	-	-	-	-	62.8	-	56.0	-	-	-	39.3	34.2	25.0	69.6
393.7	-	-	-	-	-	-	-	-	-	62.2	-	55.6	-	-	-	38.8	34.0	24.9	67.0
400.3	-	-	-	-	-	-	-	-	-	61.7	-	55.2	-	-	-	38.4	33.7	24.7	-
403.5	-	-	-	-	-	-	-	-	-	61.4	-	55.1	-	-	-	38.3	33.5	24.7	-
410.1	-	-	-	-	-	-	-	-	-	60.9	-	54.7	-	-	-	37.9	33.2	-	-
413.4	-	-	-	-	-	-	-	-	-	60.6	-	-	-	-	-	37.7	33.1	-	-
423.2	-	-	-	-	-	-	-	-	-	60.0	-	-	-	-	-	37.3	32.8	-	-
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.1	32.8	-	-
439.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.5	32.4	-	-
446.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2	32.2	-	-
452.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.9	-	-	-
459.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	-	-	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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		275,600 lb + 110,200 lb						27.6 ft						32.2 ft/s						360°		75%	
		LSL+LF_2						LSL+LF_3						LSL+LF_2						LSL+LF_3			
		39.4 ft			78.7 ft			118.1 ft			39.4 ft												
		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb		0-716.6 klb							
		15°		20°		30°		15°		20°		30°		15°		20°							
ft	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t						
55.8	144.4	191.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
59.1	134.5	190.7	137.8	187.4	-	-	217.2	212.7	-	-	-	-	-	-	-	-	-						
62.3	126.8	190.7	129.5	186.8	-	-	216.6	212.2	-	-	-	-	-	-	-	-	206.1						
65.6	119.0	190.7	121.3	186.3	127.9	169.8	216.1	211.6	-	-	-	-	-	-	-	-	206.1						
72.2	104.7	189.6	107.6	185.2	112.4	168.7	215.5	211.6	109.6	135.6	-	-	-	-	-	-	206.1						
78.7	92.6	188.5	95.0	185.2	100.1	168.7	215.0	210.5	97.4	134.5	102.5	120.2	-	-	-	-	206.1						
85.3	81.6	187.4	84.0	184.1	88.6	165.3	214.4	209.4	86.9	133.4	91.3	120.2	-	-	87.5	93.3	205.0						
88.6	76.8	186.3	79.1	183.0	83.6	163.7	214.1	208.9	82.0	133.4	86.4	119.6	78.7	79.1	83.7	93.1	204.5						
91.9	72.1	185.2	74.3	181.9	78.5	162.0	213.8	208.3	77.2	133.4	81.6	119.0	78.0	78.5	81.1	93.0	203.9						
95.1	67.8	184.6	69.9	181.3	74.1	160.4	213.3	207.8	73.0	132.8	77.2	118.5	76.9	77.8	76.9	92.6	203.4						
98.4	63.5	184.1	65.5	180.8	69.7	158.7	212.7	207.2	68.8	132.3	72.8	117.9	76.3	77.2	72.8	92.2	202.8						
111.5	49.5	181.9	51.4	178.6	55.0	152.9	210.0	205.0	54.8	130.1	58.3	114.3	63.5	74.7	58.8	89.5	200.6						
124.7	37.3	180.0	38.9	176.4	42.0	147.3	206.9	202.1	42.5	127.5	45.6	110.0	51.7	72.1	46.5	86.3	199.5						
137.8	26.7	178.6	28.0	174.2	30.9	142.2	203.9	198.4	31.7	124.6	34.6	105.2	40.1	69.4	35.9	82.0	197.3						
150.9	18.3	174.9	19.6	170.5	22.2	137.8	199.5	193.1	23.4	120.9	26.1	100.6	31.0	67.1	27.4	78.0	190.0						
164.0	10.7	171.2	11.9	167.8	14.2	133.4	192.9	185.9	15.8	116.8	18.3	96.2	22.8	64.9	19.8	74.2	188.5						
167.3	9.0	170.3	10.1	166.9	12.4	132.3	191.8	184.6	14.1	115.7	16.5	95.2	20.9	64.4	18.1	73.3	187.9						
170.6	-	169.4	8.4	166.0	10.6	131.2	190.7	183.4	12.4	114.6	14.8	94.1	19.1	63.9	16.4	72.4	187.0						
173.9	-	168.5	-	165.1	8.8	130.1	189.6	182.1	10.7	113.5	13.0	93.1	17.3	63.3	14.7	71.5	186.1						
177.2	-	167.6	-	164.2	-	129.0	188.5	180.8	9.0	112.4	11.2	92.2	15.4	62.8	13.0	70.5	185.2						
183.7	-	162.4	-	159.1	-	127.5	184.1	174.9	-	110.3	8.2	90.4	12.2	61.9	10.1	68.9	182.2						
187.0	-	161.5	-	158.2	-	126.8	183.0	173.6	-	109.2	-	89.5	10.6	61.4	8.6	68.1	181.3						
190.3	-	160.6	-	157.3	-	126.0	181.9	172.3	-	108.2	-	88.6	9.0	60.9	-	67.3	180.4						
203.4	-	154.7	-	151.4	-	122.7	174.2	165.3	-	103.8	-	85.2	-	59.2	-	64.2	174.5						
216.5	-	151.0	-	147.7	-	119.0	169.8	159.8	-	99.2	-	82.0	-	57.5	-	61.3	170.9						
229.7	-	145.1	-	141.1	-	116.8	162.4	154.7	-	94.5	-	79.2	-	56.1	-	58.6	167.7						
242.8	-	141.1	-	137.1	-	114.3	155.8	148.8	-	89.9	-	76.5	-	54.6	-	56.3	163.2						
255.9	-	136.7	-	133.4	-	111.3	147.7	144.4	-	87.1	-	74.1	-	53.1	-	54.0	160.4						
269.0	-	133.9	-	129.3	-	109.8	136.7	136.0	-	84.3	-	71.9	-	52.0	-	52.2	157.1						
282.2	-	127.9	-	124.9	-	107.8	126.0	126.4	-	81.4	-	69.7	-	50.9	-	50.5	153.8						
295.3	-	119.0	-	119.0	-	106.0	115.7	116.8	-	78.9	-	67.7	-	49.8	-	48.7	150.5						
308.4	-	110.2	-	110.5	-	104.4	107.5	108.3	-	76.7	-	65.9	-	48.8	-	47.3	147.2						
321.5	-	101.9	-	102.4	-	100.8	99.6	100.2	-	74.6	-	64.2	-	47.9	-	45.8	143.9						
334.6	-	94.1	-	94.6	-	95.2	91.9	92.4	-	72.5	-	62.6	-	47.2	-	44.5	140.6						
347.8	-	87.4	-	87.7	-	88.5	85.1	84.9	-	70.6	-	61.3	-	46.4	-	43.2	137.3						
360.9	-	81.1	-	81.4	-	84.5	78.9	75.1	-	68.8	-	60.0	-	45.8	-	42.1	134.0						
374.0	-	75.2	-	75.4	-	-	73.0	64.4	-	67.0	-	58.6	-	45.2	-	41.0	130.7						
387.1	-	69.9	-	70.1	-	-	62.4	53.6	-	65.6	-	57.6	-	44.8	-	40.0	127.4						
393.7	-	67.2	-	67.5	-	-	57.1	48.5	-	64.8	-	57.1	-	44.5	-	39.5	124.1						
400.3	-	65.0	-	65.1	-	-	51.4	43.0	-	64.2	-	56.7	-	-	-	39.1	120.8						
403.5	-	63.8	-	64.0	-	-	48.6	40.1	-	63.8	-	56.4	-	-	-	38.9	117.5						
410.1	-	61.5	-	22.7	-	-	42.9	-	-	63.2	-	56.0	-	-	-	38.5	114.2						
413.4	-	60.4	-	-	-	-	40.1	-	-	62.8	-	55.8	-	-	-	38.4	110.9						
419.9	-	58.2	-	-	-	-	34.4	-	-	61.4	-	55.4	-	-	-	38.0	107.6						
426.5	-	-	-	-	-	-	-	-	-	60.0	-	55.0	-	-	-	37.6	104.3						
433.1	-	-	-	-	-	-	-	-	-	58.6	-	54.7	-	-	-	37.3	101.0						
439.6	-	-	-	-	-	-	-	-	-	56.5	-	54.5	-	-	-	37.0	97.7						
446.2	-	-	-	-	-	-	-	-	-	54.5	-	19.2	-	-	-	36.8	94.4						
452.8	-	-	-	-	-	-	-	-	-	52.5	-	-	-	-	-	36.6	91.1						
456.0	-	-	-	-	-	-	-	-	-	51.6	-	-	-	-	-	36.5	87.8						
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2	84.5						
479.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.8	81.2						
482.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	77.9						
492.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.5	74.6						
495.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	71.3						

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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275,600 lb + 110,200 lb
 27.6 ft
 32.2 ft/s
 360°
 75%

ft	492.1 ft		502.0 ft				511.8 ft				521.7 ft					
	t	t	t	t	t	t	t	t	t	t	t	t	t	t		
62.3	103.8	158.7	-	-	100.5	152.1	-	-	-	-	-	-	-	-		
65.6	97.0	157.6	100.1	154.3	93.5	152.1	96.8	148.8	90.2	145.5	-	-	86.9	138.9	-	-
68.9	91.0	157.4	93.7	153.8	87.6	151.8	90.4	148.3	84.3	145.2	86.9	142.2	81.1	138.6	83.8	136.7
72.2	85.0	157.1	87.3	153.2	81.7	151.6	84.0	147.7	78.5	145.0	80.7	142.2	75.4	138.3	77.8	136.7
78.7	73.0	156.5	75.8	152.1	69.9	151.0	72.8	147.7	66.8	144.4	69.7	141.1	63.9	137.8	66.8	135.6
85.3	63.7	155.4	65.7	152.1	60.6	149.9	62.8	146.6	57.7	143.3	59.7	140.0	54.9	137.2	57.1	135.6
91.9	54.5	154.3	56.7	151.0	51.4	148.8	54.0	145.5	48.5	142.2	51.1	140.0	45.9	136.7	48.3	134.5
98.4	46.8	153.2	48.7	149.9	44.0	147.7	45.9	144.4	41.2	141.1	43.2	138.9	38.6	136.1	40.6	133.4
111.5	33.2	150.5	35.5	147.7	30.5	145.5	32.9	142.2	27.9	139.4	30.3	136.7	25.4	134.5	27.6	131.9
124.7	22.1	147.9	23.9	145.3	19.5	143.7	21.4	140.5	16.9	137.8	18.9	134.8	14.3	132.3	16.2	130.4
131.2	17.1	147.0	18.9	144.0	14.6	142.6	16.3	140.0	11.9	136.7	14.0	134.1	9.3	131.7	11.3	129.5
134.5	14.6	146.6	16.4	143.3	12.2	141.8	13.8	139.4	9.5	136.1	11.5	133.7	-	131.5	8.8	129.2
137.8	12.1	145.5	13.9	142.2	9.7	141.1	11.2	138.9	-	135.6	9.0	133.4	-	131.2	-	129.0
141.1	10.0	144.8	11.8	141.6	-	140.5	9.3	138.2	-	135.0	-	132.8	-	130.6	-	128.4
144.4	7.9	144.0	9.7	141.1	-	140.0	-	137.4	-	134.5	-	132.3	-	130.1	-	127.9
150.9	-	142.6	-	140.0	-	138.9	-	136.0	-	133.4	-	131.2	-	129.0	-	126.8
164.0	-	139.6	-	137.4	-	136.3	-	133.4	-	131.2	-	129.0	-	126.8	-	124.9
177.2	-	136.7	-	134.5	-	133.4	-	131.2	-	129.0	-	126.8	-	124.6	-	123.5
190.3	-	133.7	-	131.5	-	131.2	-	129.0	-	125.7	-	124.1	-	123.1	-	120.9
203.4	-	129.5	-	127.2	-	127.5	-	125.7	-	123.5	-	121.3	-	120.2	-	118.6
216.5	-	126.8	-	124.6	-	124.6	-	122.4	-	120.2	-	119.0	-	117.9	-	116.8
229.7	-	121.9	-	119.6	-	121.3	-	119.0	-	117.2	-	115.0	-	114.6	-	113.5
242.8	-	117.6	-	115.4	-	117.6	-	115.4	-	113.5	-	112.2	-	111.6	-	110.5
255.9	-	114.6	-	112.4	-	114.6	-	112.4	-	111.3	-	109.6	-	110.0	-	108.7
269.0	-	111.0	-	110.1	-	111.0	-	109.3	-	108.2	-	106.9	-	107.0	-	105.7
282.2	-	108.5	-	106.8	-	108.6	-	107.1	-	106.1	-	104.1	-	104.7	-	103.7
295.3	-	105.8	-	104.3	-	106.3	-	104.7	-	104.1	-	101.9	-	102.1	-	101.6
308.4	-	98.6	-	98.5	-	97.2	-	97.9	-	95.3	-	96.0	-	93.3	-	93.9
321.5	-	91.2	-	91.8	-	89.1	-	89.7	-	87.2	-	87.8	-	85.0	-	85.6
334.6	-	83.6	-	84.0	-	81.4	-	82.0	-	79.4	-	80.0	-	77.2	-	77.8
347.8	-	76.8	-	77.2	-	74.6	-	75.1	-	72.5	-	73.1	-	70.4	-	70.8
360.9	-	70.3	-	70.8	-	68.2	-	68.6	-	66.2	-	66.7	-	64.0	-	64.6
374.0	-	64.4	-	64.8	-	62.2	-	62.6	-	60.2	-	60.6	-	58.0	-	58.4
387.1	-	59.1	-	59.4	-	56.9	-	57.2	-	54.7	-	55.2	-	52.7	-	53.1
400.3	-	54.0	-	54.3	-	51.8	-	52.1	-	49.7	-	50.0	-	47.6	-	48.0
413.4	-	49.2	-	49.6	-	47.0	-	47.4	-	45.0	-	45.4	-	42.8	-	43.2
426.5	-	44.9	-	45.3	-	42.7	-	43.1	-	40.7	-	41.0	-	38.5	-	38.8
439.6	-	40.9	-	41.3	-	38.7	-	39.1	-	36.7	-	36.9	-	34.4	-	34.7
452.8	-	37.3	-	37.5	-	34.8	-	35.3	-	32.8	-	33.1	-	30.6	-	30.9
459.3	-	35.5	-	27.1	-	33.2	-	33.5	-	31.1	-	31.3	-	28.9	-	29.2
465.9	-	33.7	-	-	-	31.5	-	31.7	-	29.5	-	29.7	-	27.1	-	27.5
469.2	-	32.8	-	-	-	30.6	-	-	-	28.6	-	28.8	-	26.2	-	26.6
475.7	-	-	-	-	-	29.0	-	-	-	26.8	-	27.1	-	23.4	-	24.9
479.0	-	-	-	-	-	28.2	-	-	-	25.9	-	-	-	21.5	-	-
485.6	-	-	-	-	-	-	-	-	-	24.0	-	-	-	17.6	-	-
492.1	-	-	-	-	-	-	-	-	-	-	-	-	-	13.7	-	-
495.4	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	-	-

0 lb
 143,300 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	236.2 ft													
	LSL+LF_2				LSL+LF_3				LSL+LF_2					
	39.4 ft			78.7 ft				118.1 ft						
	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb
	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°
39.4	392.4	392.4	-	-	-	-	-	-	-	-	-	-	-	-
42.7	377.0	380.3	291.0	291.0	-	-	-	-	-	-	-	-	-	-
45.9	361.6	368.2	282.2	282.2	-	-	-	-	-	-	-	-	-	-
49.2	339.5	357.1	275.6	275.6	179.7	179.7	-	-	-	-	-	-	-	-
52.5	317.5	346.1	269.0	269.0	176.4	176.4	-	-	190.7	190.7	-	-	-	-
59.1	280.0	326.3	255.7	255.7	170.9	170.9	-	-	179.7	179.7	140.0	140.0	-	-
65.6	251.3	308.6	244.7	244.7	164.2	164.2	-	-	169.8	169.8	133.4	133.4	-	-
72.2	227.1	291.0	227.1	233.7	159.8	159.8	-	-	159.8	159.8	126.8	126.8	83.3	83.6
75.5	216.6	284.4	217.2	229.3	157.1	157.1	-	-	156.0	156.0	124.0	124.0	82.0	82.2
78.7	206.1	277.8	207.2	224.9	154.3	154.3	-	-	152.1	152.1	121.3	121.3	80.7	80.9
85.3	187.4	264.6	189.6	216.1	149.9	149.9	-	-	144.4	144.4	115.7	115.7	78.3	78.5
91.9	172.0	253.5	173.1	207.2	145.5	145.5	-	-	137.8	137.8	111.3	111.3	75.8	76.1
95.1	164.8	248.0	166.4	203.4	143.3	143.3	-	-	134.5	134.5	109.5	109.5	74.8	75.0
98.4	157.6	242.5	159.8	199.5	141.1	141.1	-	-	131.2	131.2	107.6	107.6	73.9	73.9
111.5	132.6	224.9	134.1	187.0	128.6	134.5	-	-	120.9	120.9	100.1	100.1	69.7	69.7
124.7	111.4	208.7	112.4	175.6	113.6	128.2	-	-	110.5	111.9	93.3	93.3	66.0	66.0
137.8	93.9	194.0	94.6	165.3	96.1	122.4	-	-	100.1	104.3	87.3	87.3	62.6	62.6
150.9	81.1	183.0	81.8	157.3	83.0	117.9	-	-	87.0	97.7	82.5	82.5	59.8	59.8
164.0	69.7	172.7	70.3	149.5	71.4	113.9	-	-	75.5	91.7	75.5	78.0	57.2	57.2
177.2	59.5	163.1	60.2	142.2	61.1	110.2	-	-	65.5	86.4	66.6	74.1	54.9	54.9
190.3	51.6	155.8	52.1	137.1	52.8	107.6	-	-	57.2	81.9	58.3	70.7	53.0	53.0
203.4	44.5	149.2	44.8	132.3	45.4	105.2	-	-	49.8	77.7	50.9	67.6	49.8	51.2
213.3	39.7	144.8	40.0	129.0	37.5	103.6	-	-	44.9	75.0	45.8	65.5	46.5	50.0
216.5	38.1	143.3	38.4	127.9	-	-	-	-	43.2	74.1	44.1	64.8	45.4	49.6
229.7	33.0	138.2	33.2	124.2	-	-	-	-	37.8	71.0	38.5	62.5	39.7	48.4
239.5	29.3	134.8	29.5	122.4	-	-	-	-	33.9	68.8	34.5	60.8	35.5	47.6
242.8	28.2	133.9	-	-	-	-	-	-	32.8	68.2	33.4	60.3	34.3	47.3
249.3	26.0	132.3	-	-	-	-	-	-	30.5	66.9	31.0	59.4	31.7	46.7
255.9	-	-	-	-	-	-	-	-	28.2	65.7	28.7	58.4	-	31.5
269.0	-	-	-	-	-	-	-	-	24.4	63.6	24.8	57.0	-	27.4
275.6	-	-	-	-	-	-	-	-	22.5	62.6	22.9	56.2	-	25.4
282.2	-	-	-	-	-	-	-	-	20.7	61.7	-	-	-	23.7
285.4	-	-	-	-	-	-	-	-	19.8	61.3	-	-	-	22.8
288.7	-	-	-	-	-	-	-	-	-	-	-	-	-	22.0
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	20.3
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	17.3
315.0	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9
321.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.6
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	255.9 ft											
	LSL+LF_2				LSL+LF_3				LSL+LF_2			
	39.4 ft			78.7 ft			118.1 ft					
	0 lb- 0 lb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	
1,000 lb												
42.7	372.6	388.0	-	-	-	-	-	-	-	-	-	-
45.9	346.1	374.8	286.6	286.6	-	343.9	273.4	-	-	-	-	-
52.5	304.2	352.7	273.4	273.4	178.6	178.6	326.3	260.1	-	-	-	-
55.8	286.6	342.8	266.8	266.8	175.3	175.3	317.5	254.6	186.3	187.4	-	-
59.1	269.0	332.9	260.1	260.1	172.0	172.0	308.6	249.1	180.8	183.0	-	-
62.3	254.6	324.1	251.3	254.6	169.2	169.2	302.0	244.7	176.4	178.0	137.8	137.8
65.6	240.3	315.3	242.5	249.1	166.4	166.4	295.4	240.3	172.0	173.1	134.5	134.5
68.9	228.7	307.5	230.9	243.6	164.2	164.2	288.3	234.8	167.6	168.7	131.7	131.7
72.2	217.2	299.8	219.4	238.1	162.0	162.0	281.1	229.3	163.1	164.2	129.0	129.0
78.7	197.3	286.6	199.5	229.3	156.5	156.5	266.8	220.5	155.4	155.4	123.5	123.5
85.3	179.7	273.4	181.9	220.5	152.1	152.1	255.7	212.7	147.7	147.7	117.9	117.9
91.9	164.2	262.4	166.4	212.7	147.7	147.7	244.7	205.0	141.1	141.1	113.5	113.5
95.1	157.6	256.8	159.3	209.4	146.1	146.1	239.8	201.7	138.3	138.3	111.7	111.7
98.4	151.0	251.3	152.1	206.1	144.4	144.4	234.8	198.4	135.6	135.6	109.8	109.8
111.5	128.2	232.2	129.3	192.9	128.2	137.1	216.6	185.9	125.3	125.3	102.4	102.4
124.7	108.1	215.7	109.1	181.1	111.1	130.8	202.5	174.9	112.6	116.0	95.8	95.8
137.8	90.6	201.7	91.5	170.9	93.0	125.7	190.7	165.3	97.4	107.8	89.9	89.9
150.9	77.7	190.7	78.4	162.0	80.0	120.5	180.4	157.3	84.2	101.2	82.7	85.0
164.0	66.0	180.4	66.7	154.3	68.1	116.1	170.9	149.5	72.5	95.1	74.0	80.4
177.2	55.6	170.9	56.2	147.7	57.5	112.4	162.0	142.2	62.2	89.5	63.7	76.3
190.3	47.6	162.8	48.1	141.8	49.2	109.8	154.7	136.3	53.9	85.0	55.2	72.9
203.4	40.4	155.4	40.9	136.3	41.7	107.2	147.7	131.2	46.4	80.8	47.5	69.7
216.5	34.0	148.8	34.4	131.2	35.1	104.7	141.1	126.8	39.7	76.9	40.6	66.8
226.4	30.1	145.0	30.4	128.4	30.9	103.4	137.2	124.0	35.5	74.5	36.4	64.9
229.7	28.8	143.7	29.1	127.5	-	-	136.0	123.1	34.1	73.7	35.0	64.3
242.8	24.1	138.9	24.3	124.2	-	-	131.5	120.2	29.0	70.8	29.8	62.1
255.9	19.8	134.5	20.1	121.3	-	-	127.9	117.9	24.5	68.1	25.1	60.2
262.5	18.1	133.0	-	-	-	-	126.4	-	22.6	66.9	23.1	59.4
265.7	17.2	132.3	-	-	-	-	125.7	-	21.6	66.4	22.2	59.0
269.0	-	-	-	-	-	-	-	-	20.6	65.8	21.2	58.6
282.2	-	-	-	-	-	-	-	-	17.1	63.7	17.5	57.1
292.0	-	-	-	-	-	-	-	-	14.7	62.4	15.0	56.2
295.3	-	-	-	-	-	-	-	-	13.9	61.9	-	-
301.8	-	-	-	-	-	-	-	-	12.3	61.3	-	-
308.4	-	-	-	-	-	-	-	-	-	-	-	-
321.5	-	-	-	-	-	-	-	-	-	-	-	-
331.4	-	-	-	-	-	-	-	-	-	-	-	-
334.6	-	-	-	-	-	-	-	-	-	-	-	-
337.9	-	-	-	-	-	-	-	-	-	-	-	-
341.2	-	-	-	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	275.6 ft											
	LSL+LF_2				LSL+LF_3				LSL+LF_2			
	39.4 ft			78.7 ft			118.1 ft					
	0 lb- 0 lb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb	0 lb- 716.6klb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	
42.7	357.1	392.4	-	-	-	-	-	-	-	-	-	-
45.9	332.9	381.4	291.0	291.0	-	341.7	277.8	-	-	-	-	-
52.5	293.2	361.6	277.8	277.8	179.7	179.7	328.5	264.6	-	-	-	-
55.8	276.7	351.6	270.1	271.2	176.9	176.9	321.9	259.0	187.4	188.5	-	-
59.1	260.1	341.7	262.4	264.6	174.2	174.2	315.3	253.5	183.0	184.1	-	-
62.3	246.9	332.9	249.1	259.0	171.4	171.4	307.5	248.0	178.6	179.7	138.9	138.9
65.6	233.7	324.1	235.9	253.5	168.7	168.7	299.8	242.5	174.2	175.3	135.6	136.7
68.9	222.1	316.4	224.3	249.1	165.9	165.9	293.8	238.1	169.8	170.9	132.8	133.4
72.2	210.5	308.6	212.7	244.7	163.1	163.1	287.7	233.7	165.3	166.4	130.1	130.1
75.5	200.6	300.9	202.8	239.2	160.9	160.9	281.6	229.3	162.0	162.6	127.3	127.3
78.7	190.7	293.2	192.9	233.7	158.7	158.7	275.6	224.9	158.7	158.7	124.6	124.6
85.3	174.2	282.2	175.3	224.9	154.3	154.3	263.5	217.2	152.1	152.1	120.2	120.2
91.9	158.7	269.0	160.9	218.3	149.9	149.9	251.3	209.4	145.5	145.5	115.7	115.7
98.4	145.5	257.9	147.7	210.5	146.6	146.6	241.4	202.8	138.9	138.9	111.3	111.3
111.5	124.9	240.3	126.4	198.0	127.5	140.0	223.8	190.3	124.2	128.6	104.4	104.4
124.7	106.0	224.1	107.0	186.7	109.1	133.7	209.8	179.3	109.4	119.4	98.0	98.0
137.8	88.6	209.4	89.5	176.4	91.3	127.9	197.3	169.8	94.6	111.3	92.2	92.2
150.9	75.3	197.7	76.1	167.6	77.7	123.5	187.0	162.4	82.1	104.6	82.3	87.2
164.0	63.4	187.0	64.2	159.5	65.7	119.0	177.5	155.1	70.5	98.4	72.1	82.6
177.2	53.1	177.5	53.8	152.1	55.1	114.6	168.7	147.7	60.0	92.8	61.5	78.5
190.3	45.0	168.7	45.7	146.2	46.7	111.7	160.6	141.8	51.6	88.1	53.0	75.0
203.4	37.8	160.9	38.4	140.7	39.2	109.0	153.2	136.3	44.0	83.8	45.3	71.7
216.5	31.3	154.3	31.7	135.6	32.6	106.5	146.6	131.2	37.3	79.8	38.4	68.8
229.7	26.2	148.4	26.5	131.2	27.2	104.6	140.7	126.8	31.8	76.4	32.8	66.3
239.5	22.5	144.4	22.7	128.2	23.4	103.2	136.7	123.8	27.9	74.0	28.8	64.5
242.8	21.4	143.3	21.7	127.5	-	-	135.6	123.1	26.7	73.3	27.6	63.9
255.9	17.0	138.9	17.4	124.6	-	-	131.2	120.2	22.0	70.5	22.9	61.7
269.0	13.4	135.2	13.7	121.9	-	-	128.2	118.4	18.2	68.0	19.0	60.0
272.3	12.6	134.3	12.8	121.3	-	-	127.5	117.9	17.3	67.4	18.0	59.5
278.9	10.9	132.3	-	-	-	-	126.8	-	15.5	66.3	16.1	58.8
282.2	10.1	131.2	-	-	-	-	125.7	-	14.6	65.8	15.3	58.4
295.3	-	-	-	-	-	-	-	-	11.2	63.9	11.9	57.1
308.4	-	-	-	-	-	-	-	-	8.4	62.3	8.8	56.0
311.7	-	-	-	-	-	-	-	-	7.7	61.9	-	-
315.0	-	-	-	-	-	-	-	-	-	61.5	-	-
321.5	-	-	-	-	-	-	-	-	-	60.8	-	-
324.8	-	-	-	-	-	-	-	-	-	-	8.8	8.2
328.1	-	-	-	-	-	-	-	-	-	-	8.8	8.2
334.6	-	-	-	-	-	-	-	-	-	-	37.9	-
347.8	-	-	-	-	-	-	-	-	-	-	36.9	-
357.6	-	-	-	-	-	-	-	-	-	-	36.2	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	295.3 ft											
	LSL+LF_2				LSL+LF_3				LSL+LF_2			
	39.4 ft			78.7 ft			118.1 ft					
	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb
	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	
	1,000 lb											
45.9	319.7	379.2	-	-	-	-	-	-	-	-	-	-
49.2	300.9	373.7	286.6	286.6	-	-	324.1	271.2	-	-	-	-
52.5	282.2	368.2	280.0	280.0	-	-	319.7	266.8	-	-	-	-
55.8	265.7	358.3	266.8	274.5	177.5	177.5	315.3	261.2	-	-	-	-
59.1	249.1	348.3	253.5	269.0	175.3	175.3	310.9	255.7	184.1	185.2	-	-
65.6	222.7	330.7	227.1	257.9	169.8	169.8	302.0	246.9	175.3	176.4	136.7	137.8
72.2	201.7	315.3	203.9	249.1	165.3	165.3	291.0	238.1	167.6	168.7	132.3	132.3
75.5	192.4	308.6	194.6	243.6	163.1	163.1	285.5	233.7	164.2	165.3	129.5	129.5
78.7	183.0	302.0	185.2	238.1	160.9	160.9	280.0	229.3	160.9	162.0	126.8	126.8
82.0	174.7	295.4	176.9	233.7	158.7	158.7	274.5	224.9	157.6	158.2	124.6	124.6
85.3	166.4	288.8	168.7	229.3	156.5	156.5	269.0	220.5	154.3	154.3	122.4	122.4
91.9	152.1	277.8	153.2	222.7	152.1	152.1	257.9	213.8	148.8	148.8	117.9	117.9
98.4	138.9	266.8	141.1	216.1	144.4	148.8	249.1	207.2	141.1	142.2	113.5	113.5
111.5	118.9	247.7	120.5	202.8	123.1	142.2	231.5	194.7	121.3	131.9	106.6	106.6
124.7	101.1	231.1	102.3	191.1	104.4	136.0	216.1	183.7	104.0	122.7	99.3	100.2
137.8	85.5	217.2	86.4	180.8	88.4	130.1	202.8	174.2	89.3	114.6	91.5	94.1
150.9	71.7	204.7	72.6	172.0	74.4	125.7	193.3	166.8	77.8	107.7	79.9	89.3
164.0	59.6	193.3	60.5	163.9	62.1	121.3	183.7	159.5	66.9	101.4	68.8	84.8
177.2	49.2	183.0	50.0	156.5	51.4	116.8	174.2	152.1	56.7	95.7	58.2	80.7
190.3	41.1	174.9	41.8	150.6	43.0	113.9	166.1	146.2	48.1	91.0	49.7	77.0
203.4	33.8	167.2	34.4	145.1	35.5	111.1	158.7	140.7	40.5	86.6	42.0	73.7
216.5	27.3	159.8	27.8	140.0	28.9	108.5	152.1	135.6	33.7	82.5	35.1	70.8
229.7	22.0	154.0	22.5	135.6	23.3	106.1	146.2	131.2	28.1	79.1	29.3	68.1
242.8	17.2	148.4	17.6	131.5	18.2	104.1	140.7	127.1	23.1	75.8	24.1	65.7
255.9	12.8	143.3	13.2	127.9	11.2	102.5	135.6	123.5	18.5	72.8	19.4	63.5
269.0	9.3	138.9	9.6	124.9	-	-	132.3	120.8	14.6	70.3	15.3	61.6
272.3	8.4	137.8	8.6	124.2	-	-	131.2	120.2	13.6	69.6	14.3	61.1
275.6	-	136.7	7.7	123.5	-	-	130.1	119.0	12.6	69.0	13.2	60.6
282.2	-	135.2	-	122.4	-	-	128.6	117.9	10.9	67.9	11.5	59.9
288.7	-	133.7	-	121.3	-	-	127.1	116.8	9.2	66.9	9.8	59.2
292.0	-	133.0	-	-	-	-	126.4	-	8.4	66.4	9.0	58.8
295.3	-	132.3	-	-	-	-	125.7	-	-	65.7	8.2	58.4
298.6	-	131.2	-	-	-	-	125.7	-	-	65.3	-	58.1
308.4	-	-	-	-	-	-	-	-	63.9	-	57.1	-
311.7	-	-	-	-	-	-	-	-	63.5	-	56.8	-
318.2	-	-	-	-	-	-	-	-	62.7	-	56.2	-
321.5	-	-	-	-	-	-	-	-	62.4	-	56.0	-
324.8	-	-	-	-	-	-	-	-	62.1	-	55.8	-
331.4	-	-	-	-	-	-	-	-	61.4	-	-	-
334.6	-	-	-	-	-	-	-	-	61.1	-	-	-
337.9	-	-	-	-	-	-	-	-	60.6	-	-	-
347.8	-	-	-	-	-	-	-	-	-	-	-	-
360.9	-	-	-	-	-	-	-	-	-	-	-	-
364.2	-	-	-	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	315.0 ft												
	LSL+LF_2				LSL+LF_3				LSL+LF_2				
	39.4 ft			78.7 ft			118.1 ft						
	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	
	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°		
	1,000 lb												
45.9	308.6	346.1	-	-	-	-	-	-	-	-	-	-	-
49.2	289.9	345.0	291.0	291.0	-	-	317.5	271.2	-	-	-	-	-
52.5	271.2	343.9	275.6	284.4	-	-	315.3	269.0	-	-	-	-	-
55.8	255.7	342.8	260.1	278.9	178.6	178.6	312.0	264.6	-	-	-	-	-
59.1	240.3	341.7	244.7	273.4	176.4	176.4	308.6	260.1	184.1	185.2	-	-	-
65.6	217.2	337.3	219.4	262.4	170.9	170.9	302.0	249.1	176.4	177.5	137.8	137.8	-
72.2	195.1	321.9	197.3	251.3	166.4	166.4	292.1	240.3	168.7	169.8	132.3	133.4	-
75.5	185.7	315.3	187.9	246.9	164.2	164.2	287.2	237.0	165.3	166.4	130.1	130.6	-
78.7	176.4	308.6	178.6	242.5	162.0	162.0	282.2	233.7	162.0	163.1	127.9	127.9	81.8
82.0	168.7	302.0	170.9	238.1	159.8	159.8	277.2	229.3	158.7	159.8	125.7	125.7	80.8
85.3	160.9	295.4	163.1	233.7	157.6	157.6	272.3	224.9	155.4	156.5	123.5	123.5	79.8
91.9	146.6	284.4	148.8	227.1	152.1	154.3	262.4	218.3	148.8	151.0	119.0	119.0	77.8
98.4	134.5	273.4	135.6	220.5	138.9	149.9	254.6	211.6	136.7	145.5	115.7	115.7	75.8
101.7	129.6	268.6	130.7	217.2	133.9	148.4	250.8	208.5	131.9	142.9	114.0	114.0	75.0
111.5	114.8	254.3	116.0	207.2	118.9	144.0	239.2	199.2	117.4	135.2	108.7	108.7	72.5
124.7	97.6	237.4	98.8	195.5	101.3	138.2	224.5	188.1	100.5	125.7	99.5	102.2	69.3
137.8	82.9	222.7	84.0	185.2	86.2	132.3	210.5	178.6	86.0	116.8	88.2	96.3	66.4
150.9	69.5	210.9	70.6	176.4	72.5	127.9	199.5	171.2	74.7	110.5	76.7	91.3	63.7
164.0	57.6	199.9	58.6	168.3	60.3	123.5	189.6	163.9	64.3	104.5	66.2	86.7	61.1
177.2	47.2	189.6	48.1	160.9	49.6	119.0	180.8	156.5	54.9	98.8	56.7	82.5	58.9
190.3	38.9	180.8	39.8	155.1	41.1	115.4	172.7	150.6	46.4	93.8	48.0	78.9	50.5
203.4	31.6	172.7	32.4	149.2	33.5	112.4	165.0	144.8	38.7	89.2	40.1	75.6	42.7
216.5	25.1	165.3	25.8	143.3	26.9	110.2	157.6	138.9	32.0	85.1	33.1	72.5	35.5
229.7	19.8	159.5	20.4	138.9	21.3	107.9	151.8	134.5	26.4	81.6	27.5	69.9	29.5
242.8	15.0	153.6	15.4	134.8	16.2	105.7	145.9	130.4	21.2	78.3	22.3	67.4	24.0
255.9	10.6	147.7	11.0	131.2	11.7	103.8	140.0	126.8	16.5	75.2	17.4	65.0	19.2
265.7	7.7	144.4	8.2	128.3	8.9	102.7	137.2	124.0	13.6	73.2	14.4	63.6	16.0
269.0	-	143.3	-	127.4	7.9	102.3	136.3	123.1	12.6	72.5	13.4	63.1	14.9
282.2	-	139.3	-	124.6	-	-	132.6	120.2	8.8	70.1	9.7	61.4	10.9
285.4	-	138.3	-	124.0	-	-	131.7	119.6	7.9	69.6	8.8	61.0	10.0
288.7	-	137.4	-	123.5	-	-	130.8	119.0	-	69.0	7.9	60.6	9.1
292.0	-	136.5	-	122.9	-	-	129.9	118.5	-	68.5	-	60.1	8.2
295.3	-	135.6	-	122.4	-	-	129.0	117.9	-	67.9	-	59.7	-
301.8	-	134.1	-	121.6	-	-	127.9	117.2	-	66.9	-	59.0	-
305.1	-	133.4	-	121.3	-	-	127.3	116.8	-	66.4	-	58.6	-
308.4	-	132.6	-	-	-	-	126.8	-	-	65.8	-	58.3	-
311.7	-	131.9	-	-	-	-	126.2	-	-	65.3	-	57.9	-
315.0	-	131.2	-	-	-	-	125.7	-	-	64.8	-	57.5	-
321.5	-	-	-	-	-	-	-	-	-	64.0	-	57.0	-
334.6	-	-	-	-	-	-	-	-	-	62.4	-	56.0	-
344.5	-	-	-	-	-	-	-	-	-	61.5	-	55.3	-
347.8	-	-	-	-	-	-	-	-	-	61.2	-	-	-
354.3	-	-	-	-	-	-	-	-	-	60.6	-	-	-
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-
380.6	-	-	-	-	-	-	-	-	-	-	-	-	-
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-
393.7	-	-	-	-	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	334.6 ft												
	LSL+LF_2				LSL+LF_3				LSL+LF_2				
	39.4 ft			78.7 ft			118.1 ft						
	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	
	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°		
	1,000 lb												
49.2	277.8	324.1	-	-	-	-	-	-	-	-	-	-	-
52.5	260.1	324.1	264.6	286.6	-	-	-	-	-	-	-	-	-
59.1	231.5	321.9	233.7	275.6	177.5	177.5	306.4	264.6	-	-	-	-	-
62.3	219.4	320.8	222.1	270.1	174.7	174.7	302.0	260.1	-	-	-	-	-
65.6	207.2	319.7	210.5	264.6	172.0	172.0	298.7	255.7	180.8	183.0	-	-	-
68.9	197.3	318.6	200.1	260.1	169.8	169.8	295.4	251.3	177.5	178.6	-	-	-
72.2	187.4	317.5	189.6	255.7	167.6	167.6	292.1	246.9	174.2	175.3	135.6	136.7	-
75.5	178.0	314.2	180.8	251.3	165.3	165.3	288.8	242.5	170.9	172.0	133.4	134.5	-
78.7	168.7	310.9	172.0	246.9	163.1	163.1	285.5	239.2	167.6	168.7	131.2	132.3	-
85.3	153.2	302.0	155.4	238.1	159.8	159.8	282.2	235.9	164.2	165.3	129.0	130.1	82.0
91.9	140.0	291.0	142.2	231.5	145.5	155.4	279.3	229.3	155.4	158.7	124.6	125.7	80.0
98.4	127.9	280.0	130.1	224.9	133.4	152.1	274.5	222.7	142.2	153.2	121.3	121.3	78.0
101.7	123.1	275.2	125.1	221.6	128.4	150.5	271.8	216.1	130.1	147.7	116.8	116.8	76.3
111.5	108.6	260.9	110.4	211.6	113.4	145.5	266.8	212.9	125.4	145.1	114.9	115.2	75.5
124.7	91.8	244.0	93.2	199.9	95.9	139.6	262.7	203.6	111.6	137.4	109.1	110.2	73.0
137.8	77.4	229.3	78.5	189.6	80.9	134.5	259.0	192.5	95.2	128.2	97.9	104.0	70.0
150.9	65.2	217.5	66.3	180.8	68.4	129.3	255.2	183.0	80.9	120.2	83.3	98.1	67.2
164.0	53.8	206.1	54.8	172.7	56.7	124.9	252.7	174.9	69.7	113.5	71.9	93.3	64.6
177.2	43.2	195.1	44.1	165.3	45.9	121.3	249.3	170.9	59.7	107.3	61.6	88.7	60.6
190.3	35.1	186.3	35.9	158.7	37.5	117.6	244.7	167.6	50.7	101.4	52.5	84.4	55.8
203.4	27.8	178.2	28.4	152.9	29.8	114.3	240.7	160.9	42.6	96.6	44.4	80.8	47.4
216.5	21.2	170.9	21.8	147.7	22.9	111.3	237.2	155.1	35.2	92.0	36.8	77.4	39.6
229.7	15.9	164.2	16.4	142.6	17.5	109.3	233.7	149.2	28.4	87.7	29.8	74.3	32.4
242.8	10.9	158.2	11.5	138.2	12.5	107.2	230.2	143.3	22.7	84.1	24.0	71.7	26.4
249.3	8.6	155.4	9.3	136.5	10.2	106.2	226.7	138.9	17.6	80.6	18.7	69.2	20.9
252.6	-	154.3	8.2	135.6	9.1	105.7	223.2	135.1	15.3	79.0	16.3	68.0	18.4
255.9	-	153.2	-	134.5	7.9	105.2	219.7	131.2	14.1	78.2	15.1	67.4	17.1
269.0	-	148.1	-	130.8	-	103.5	216.2	127.1	13.0	77.4	13.9	66.8	15.9
272.3	-	146.8	-	129.9	-	103.1	212.7	123.1	11.6	74.7	9.9	64.7	11.6
275.6	-	145.5	-	129.0	-	102.7	209.2	119.2	9.0	74.7	9.9	64.7	11.6
278.9	-	144.6	-	128.2	-	102.4	205.7	115.3	7.9	74.1	8.9	64.2	10.5
282.2	-	143.7	-	127.5	-	102.1	202.2	111.4	7.9	73.4	7.9	63.7	9.5
285.4	-	142.7	-	126.8	-	101.6	198.7	107.5	7.2	72.8	-	63.3	8.4
288.7	-	141.8	-	126.0	-	101.3	195.2	103.6	7.2	72.2	-	62.8	8.4
292.0	-	140.9	-	125.3	-	101.0	191.7	99.7	7.1	71.7	-	62.4	8.4
295.3	-	140.0	-	124.6	-	100.7	188.2	95.8	7.1	71.1	-	61.9	8.4
301.8	-	137.1	-	123.5	-	100.2	184.7	91.9	7.1	70.5	-	61.5	8.4
308.4	-	134.1	-	122.4	-	100.0	181.2	88.0	7.0	70.0	-	61.0	8.4
321.5	-	127.5	-	120.2	-	100.0	177.7	84.1	7.0	69.5	-	60.5	8.4
324.8	-	125.7	-	78.5	-	123.5	174.2	80.2	7.0	69.0	-	60.0	8.4
334.6	-	120.2	-	-	-	119.0	170.7	76.3	7.0	68.5	-	59.5	8.4
347.8	-	-	-	-	-	-	167.2	72.4	7.0	68.0	-	59.0	8.4
357.6	-	-	-	-	-	-	163.7	68.5	7.0	67.5	-	58.5	8.4
360.9	-	-	-	-	-	-	160.2	64.6	7.0	67.0	-	58.0	8.4
370.7	-	-	-	-	-	-	156.7	60.7	7.0	66.5	-	57.5	8.4
374.0	-	-	-	-	-	-	153.2	56.8	7.0	66.0	-	57.0	8.4
387.1	-	-	-	-	-	-	149.7	52.9	7.0	65.5	-	56.5	8.4
397.0	-	-	-	-	-	-	146.2	49.0	7.0	65.0	-	56.0	8.4
400.3	-	-	-	-	-	-	142.7	45.1	7.0	64.5	-	55.5	8.4
410.1	-	-	-	-	-	-	139.2	41.2	7.0	64.0	-	55.0	8.4

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

		363,800 lb + 110,200 lb ZB						27.6 ft			32.2 ft/s			360°		75%	
		393.7 ft						403.5 ft									
		LSL+LF_2			LSL+LF_3			LSL+LF_2			LSL+LF_3						
		39.4 ft			78.7 ft			118.1 ft			39.4 ft						
		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb		0 lb- 0 lb 716.6klb			
		15°		20°		30°		15°		20°		30°		15°		20°	
ft		1,000 lb															
52.5	229.3	251.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.8	217.2	250.2	220.5	238.1	-	-	271.2	240.3	-	-	-	-	-	-	-	-	-
59.1	205.0	249.1	208.3	238.1	-	-	271.2	240.3	-	-	-	-	-	-	-	-	262.4 233.7
62.3	194.0	249.1	197.3	238.1	177.5	177.5	271.2	240.3	-	-	-	-	-	-	-	-	262.4 233.7
65.6	183.0	249.1	186.3	238.1	175.3	175.3	271.2	240.3	-	-	-	-	-	-	-	-	262.4 233.7
68.9	173.6	248.0	176.4	238.1	173.1	173.1	270.6	239.2	158.7	165.3	-	-	-	-	-	-	262.4 233.7
72.2	164.2	246.9	166.4	238.1	170.9	170.9	270.1	238.1	158.7	164.2	132.3	134.5	-	-	-	-	262.4 233.7
78.7	147.7	246.9	149.9	238.1	155.4	167.6	269.0	238.1	151.0	162.0	129.0	130.1	-	-	-	-	262.4 233.7
82.0	140.5	245.8	142.7	238.1	147.7	165.3	266.8	237.0	143.9	160.4	127.9	128.4	-	-	102.3	105.4	261.2 233.7
85.3	133.4	244.7	135.6	238.1	140.0	163.1	264.6	235.9	136.7	158.7	126.8	126.8	80.0	80.5	101.4	103.6	260.1 233.7
91.9	120.2	242.5	122.4	235.9	126.8	159.8	260.1	229.3	124.6	156.5	122.4	123.5	78.5	78.7	99.9	100.8	257.9 227.1
98.4	109.8	242.5	111.3	233.7	115.7	156.5	255.7	222.7	113.5	152.1	117.9	121.3	76.9	77.2	97.0	97.7	254.6 222.7
108.3	96.1	240.3	97.8	225.4	101.6	152.1	248.6	215.0	100.2	146.1	104.1	116.3	74.8	75.1	92.2	93.5	249.7 216.1
111.5	91.6	239.6	93.3	222.7	96.9	150.6	245.8	212.4	95.8	144.0	99.4	114.6	74.1	74.4	90.7	92.1	248.0 213.8
124.7	75.6	235.9	77.2	212.0	80.4	144.8	235.2	202.5	80.0	136.0	83.2	108.6	71.4	71.7	81.5	87.0	240.3 205.0
137.8	61.9	231.5	63.3	201.7	66.1	138.9	224.9	192.9	66.4	127.9	69.2	103.2	68.8	69.2	69.9	82.5	231.5 196.2
150.9	51.2	225.6	52.5	192.2	55.0	134.5	213.1	184.1	55.8	121.3	58.3	98.2	60.9	66.6	59.2	78.2	221.2 188.1
164.0	41.4	214.2	42.7	183.7	44.8	130.4	201.4	176.0	46.2	115.0	48.5	93.6	52.8	64.2	49.5	74.1	207.2 180.0
177.2	32.6	208.3	33.7	176.4	35.7	126.8	189.6	168.7	37.5	109.1	39.7	89.5	43.7	61.9	41.0	70.1	191.8 172.0
190.3	24.3	196.9	25.4	169.8	27.2	123.1	172.0	162.0	30.4	104.0	32.5	85.8	36.0	59.9	33.8	66.7	181.5 164.6
203.4	16.8	188.9	17.8	163.5	19.5	119.8	162.0	153.6	24.0	99.2	25.8	82.4	29.0	58.1	27.3	63.6	172.0 157.6
216.5	10.1	179.7	11.0	157.6	12.6	116.8	155.4	144.4	18.1	94.8	19.6	79.1	22.7	56.4	21.4	60.6	159.8 152.1
219.8	8.6	178.2	9.6	156.5	11.1	116.1	152.5	143.1	16.7	93.8	18.3	78.4	21.3	56.0	20.1	60.0	158.4 149.4
223.1	-	176.7	8.2	155.4	9.6	115.4	149.5	141.8	15.4	92.9	16.9	77.7	19.9	55.6	18.9	59.4	156.9 146.6
226.4	-	175.3	-	154.0	8.2	114.6	147.7	140.5	14.0	91.9	15.5	77.1	18.5	55.2	17.6	58.8	155.4 144.4
229.7	-	173.8	-	152.7	-	113.9	146.2	139.3	12.6	91.0	14.2	76.4	17.1	54.8	16.4	58.1	154.0 143.3
239.5	-	168.5	-	148.8	-	111.9	142.0	134.1	8.8	88.2	10.2	74.3	13.0	53.7	12.8	56.2	148.1 139.8
242.8	-	167.2	-	147.7	-	111.4	140.7	132.3	-	87.4	9.0	73.7	11.7	53.4	11.7	55.7	146.2 138.5
246.1	-	165.9	-	146.6	-	110.9	139.4	131.2	-	86.5	7.7	73.1	10.4	53.0	10.6	55.2	145.0 137.2
252.6	-	163.3	-	144.4	-	109.9	136.9	129.0	-	84.8	-	71.8	7.7	52.4	8.4	54.1	142.4 134.7
255.9	-	162.0	-	143.3	-	109.3	135.6	127.9	-	84.0	-	71.2	-	52.0	-	53.6	141.1 133.4
269.0	-	154.0	-	139.6	-	107.3	130.1	123.8	-	81.1	-	69.0	-	50.9	-	51.7	136.3 129.7
282.2	-	144.8	-	136.0	-	105.5	126.8	121.3	-	78.3	-	66.9	-	49.8	-	49.8	133.0 126.4
295.3	-	134.5	-	132.3	-	103.8	124.6	119.0	-	75.6	-	65.0	-	48.7	-	48.1	130.1 123.5
308.4	-	125.7	-	124.9	-	102.4	122.4	117.3	-	73.3	-	63.4	-	47.8	-	46.4	121.3 119.6
321.5	-	117.3	-	118.2	-	101.2	115.2	113.8	-	71.2	-	61.9	-	47.0	-	45.0	112.9 113.0
328.1	-	113.8	-	114.2	-	100.8	111.4	110.8	-	70.2	-	61.1	-	46.7	-	44.3	108.9 109.2
334.6	-	110.2	-	110.2	-	107.6	107.8	107.8	-	69.2	-	60.4	-	46.3	-	43.7	104.9 105.4
347.8	-	103.0	-	103.2	-	100.4	100.8	100.8	-	67.5	-	59.1	-	45.7	-	42.5	97.9 98.2
360.9	-	96.3	-	96.6	-	93.7	94.0	94.0	-	65.8	-	57.9	-	45.2	-	41.2	91.2 91.4
364.2	-	94.8	-	95.0	-	92.2	92.5	92.5	-	65.4	-	57.7	-	45.0	-	41.0	89.6 89.8
374.0	-	90.2	-	90.4	-	87.5	87.9	87.9	-	64.2	-	56.9	-	-	-	40.3	84.9 85.1
383.9	-	85.8	-	-	-	83.3	-	-	-	63.2	-	56.2	-	-	-	39.6	80.6 39.2
387.1	-	-	-	-	-	-	-	-	-	62.8	-	56.0	-	-	-	39.3	79.2 -
393.7	-	-	-	-	-	-	-	-	-	62.2	-	55.6	-	-	-	38.8	76.5 -
400.3	-	-	-	-	-	-	-	-	-	61.7	-	55.2	-	-	-	38.4	24.7 -
403.5	-	-	-	-	-	-	-	-	-	61.4	-	55.1	-	-	-	38.3	24.7 -
410.1	-	-	-	-	-	-	-	-	-	60.9	-	54.7	-	-	-	37.9	33.2 -
413.4	-	-	-	-	-	-	-	-	-	60.6	-	-	-	-	-	37.7	33.1 -
423.2	-	-	-	-	-	-	-	-	-	60.0	-	-	-	-	-	37.3	32.8 -
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.1	32.8 -
439.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.5	32.4 -
446.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2	32.2 -
452.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.9	- -
459.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	- -

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	413.4 ft												423.2 ft			
	LSL+LF_2				LSL+LF_3				LSL+LF_2				LSL+LF_3			
	39.4 ft			78.7 ft						118.1 ft			39.4 ft			
	0 lb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	0 lb-716.6klb	
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	
1,000 lb																
55.8	209.4	218.3	-	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	198.4	218.3	201.7	212.7	-	-	-	235.9	231.5	-	-	-	-	-	224.9	222.7
65.6	176.4	217.2	179.7	211.6	176.4	176.4	-	235.9	229.3	-	-	-	-	-	-	224.9
68.9	167.6	216.6	170.3	211.6	170.3	174.2	-	235.3	229.3	144.4	151.0	-	-	-	-	224.3
72.2	158.7	216.1	160.9	211.6	166.4	172.0	-	234.8	229.3	144.4	149.9	-	-	-	-	223.8
75.5	151.0	216.1	153.2	211.1	158.2	169.8	-	234.2	229.3	142.2	149.9	125.7	129.0	-	-	223.2
78.7	143.3	216.1	145.5	210.5	149.9	167.6	-	233.7	229.3	141.1	149.9	125.7	127.9	-	-	222.7
82.0	136.1	215.5	138.3	210.5	142.7	165.9	-	233.1	228.2	135.0	149.4	125.7	126.8	-	-	222.7
85.3	129.0	215.0	131.2	210.5	135.6	164.2	-	232.6	227.1	132.3	148.8	125.7	125.7	-	-	222.7
88.6	122.9	213.8	125.1	210.0	129.5	162.6	-	232.0	227.1	126.2	148.8	122.4	124.6	79.1	79.4	97.2
91.9	116.8	212.7	119.0	209.4	123.5	160.9	-	231.5	227.1	120.2	148.8	120.2	123.5	78.3	78.7	97.2
98.4	106.0	211.6	108.0	207.2	111.3	157.6	-	230.4	224.9	110.2	147.7	113.5	120.2	76.9	77.2	95.9
108.3	92.6	209.4	94.5	205.0	97.8	153.2	-	228.7	222.7	97.0	142.7	100.3	116.3	74.8	75.1	89.1
111.5	88.1	209.1	89.9	204.3	93.3	151.8	-	228.2	221.9	92.6	141.1	95.9	115.0	74.1	74.4	87.7
124.7	72.5	206.5	74.1	200.6	77.2	146.2	-	224.9	218.6	77.1	134.5	80.2	109.8	70.8	71.7	79.5
137.8	59.1	202.8	60.6	196.2	63.3	141.1	-	220.5	215.0	63.7	127.9	66.4	104.5	68.3	69.2	67.0
150.9	48.5	198.4	49.9	191.1	52.4	136.7	-	216.1	210.5	53.1	122.0	55.6	99.6	59.2	66.9	56.4
164.0	39.0	193.6	40.3	185.6	42.5	132.3	-	209.4	203.2	43.6	116.1	45.9	95.2	50.3	64.6	47.0
177.2	30.6	188.5	31.7	179.7	33.7	127.9	-	205.0	196.2	35.1	110.2	37.3	91.1	41.2	62.4	38.6
190.3	22.6	180.8	23.5	171.2	25.5	124.2	-	197.3	188.1	28.1	105.7	30.1	87.4	33.7	60.5	31.5
203.4	15.1	172.6	16.0	165.6	17.9	121.0	-	189.6	181.4	21.8	101.2	23.4	83.9	26.8	58.6	25.1
216.5	8.4	166.4	9.3	159.8	11.0	117.9	-	184.1	176.4	15.9	96.8	17.4	80.7	20.5	56.9	19.2
219.8	-	164.4	7.9	156.3	9.5	117.4	-	181.7	172.7	14.6	95.7	16.2	80.0	19.2	56.5	17.9
223.1	-	162.4	-	152.9	7.9	116.8	-	179.3	170.5	13.4	94.6	14.9	79.3	17.9	56.1	16.7
229.7	-	158.4	-	150.3	-	115.2	-	176.7	167.9	10.9	92.7	12.4	77.9	15.2	55.4	14.2
236.2	-	154.3	-	147.7	-	113.5	-	174.2	165.3	8.4	90.8	9.9	76.5	12.6	54.7	11.7
239.5	-	153.2	-	145.9	-	113.0	-	172.7	163.0	-	90.0	8.8	75.9	11.4	54.3	10.6
242.8	-	152.1	-	144.0	-	112.4	-	171.2	160.9	-	89.2	-	75.3	10.2	54.0	9.5
246.1	-	151.0	-	142.2	-	111.9	-	169.8	159.8	-	88.4	-	74.6	9.0	53.7	8.4
255.9	-	147.7	-	138.9	-	110.2	-	165.3	156.5	-	86.0	-	72.8	-	52.7	-
269.0	-	142.2	-	136.0	-	108.5	-	153.6	150.6	-	83.0	-	70.5	-	51.4	-
282.2	-	137.8	-	132.3	-	106.7	-	142.6	142.9	-	80.2	-	68.4	-	50.2	-
295.3	-	133.4	-	130.1	-	104.9	-	132.3	133.4	-	77.6	-	66.4	-	49.2	-
308.4	-	124.6	-	123.9	-	103.5	-	123.5	123.7	-	75.3	-	64.6	-	48.3	-
321.5	-	116.2	-	116.3	-	102.1	-	115.2	116.1	-	73.0	-	63.0	-	47.5	-
334.6	-	108.2	-	108.7	-	101.0	-	107.6	108.0	-	70.8	-	61.5	-	46.7	-
344.5	-	103.0	-	103.3	-	80.2	-	102.3	102.6	-	69.4	-	60.5	-	46.2	-
347.8	-	101.2	-	101.5	-	-	-	100.5	100.8	-	69.0	-	60.2	-	46.0	-
360.9	-	94.5	-	94.7	-	-	-	93.8	93.8	-	67.3	-	58.9	-	45.4	-
374.0	-	88.2	-	88.4	-	-	-	87.5	86.9	-	65.7	-	57.8	-	45.0	-
380.6	-	85.4	-	85.6	-	-	-	83.3	82.7	-	65.0	-	57.2	-	44.8	-
387.1	-	82.6	-	82.8	-	-	-	79.1	78.5	-	64.2	-	56.7	-	-	-
390.4	-	81.2	-	81.4	-	-	-	77.1	-	-	63.9	-	56.5	-	-	-
397.0	-	78.5	-	-	-	-	-	72.5	-	-	63.2	-	56.0	-	-	-
400.3	-	77.2	-	-	-	-	-	70.1	-	-	62.9	-	55.9	-	-	-
410.1	-	-	-	-	-	-	-	-	-	-	62.0	-	55.3	-	-	-
413.4	-	-	-	-	-	-	-	-	-	-	61.7	-	55.1	-	-	-
416.7	-	-	-	-	-	-	-	-	-	-	61.5	-	55.0	-	-	-
426.5	-	-	-	-	-	-	-	-	-	-	60.7	-	54.5	-	-	-
439.6	-	-	-	-	-	-	-	-	-	-	59.7	-	-	-	-	-
452.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
479.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	433.1 ft												442.9 ft			
	LSL+LF_2				LSL+LF_3				LSL+LF_2				LSL+LF_3			
	39.4 ft			78.7 ft						118.1 ft			39.4 ft			
	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	
	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	716.6klb	
	15°	20°	30°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	
1,000 lb																
55.8	185.2	191.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	185.2	190.7	181.9	187.4	-	-	217.2	212.7	-	-	-	-	-	-	-	-
62.3	176.9	190.7	175.8	186.8	-	-	216.6	212.2	-	-	-	-	-	-	-	-
65.6	169.8	190.7	173.1	186.3	163.1	169.8	216.1	211.6	-	-	-	-	-	-	206.1	203.9
72.2	152.1	189.6	155.4	185.2	157.6	168.7	215.5	211.6	131.2	135.6	-	-	-	-	206.1	202.8
78.7	136.7	188.5	140.0	185.2	144.4	168.7	215.0	210.5	131.2	134.5	114.6	120.2	-	-	-	-
85.3	123.5	187.4	125.7	184.1	131.2	165.3	214.4	209.4	125.7	133.4	114.6	120.2	-	-	89.3	93.3
88.6	117.4	186.3	119.6	183.0	124.6	163.7	214.1	208.9	120.2	133.4	114.1	119.6	78.7	79.1	89.3	93.1
91.9	111.3	185.2	113.5	181.9	117.9	162.0	213.8	208.3	115.7	133.4	113.5	119.0	78.0	78.5	89.3	93.0
95.1	106.4	184.6	108.5	181.3	112.8	160.4	213.3	207.8	110.8	132.8	109.6	118.5	77.5	77.8	89.2	92.6
98.4	101.4	184.1	103.4	180.8	107.6	158.7	212.7	207.2	105.8	132.3	109.1	117.9	76.9	77.2	89.1	92.2
111.5	83.9	181.9	85.8	178.6	89.4	152.9	210.0	205.0	88.5	130.1	91.8	114.3	74.4	74.7	83.3	89.5
124.7	68.6	180.0	70.3	176.4	73.4	147.3	206.9	202.1	73.2	127.5	76.4	110.0	70.0	72.1	76.1	86.3
137.8	55.3	178.6	56.9	174.2	59.7	142.2	203.9	198.4	60.0	124.6	62.8	105.2	67.7	69.4	63.5	82.0
150.9	45.0	174.9	46.4	170.5	48.9	137.8	199.5	193.3	49.7	120.9	52.2	100.6	57.1	67.1	53.2	78.0
164.0	35.7	171.2	37.0	167.2	39.2	133.4	194.4	188.5	40.3	116.8	42.7	96.3	47.3	64.9	43.9	74.2
177.2	27.3	167.6	28.4	164.2	30.6	129.0	188.5	184.1	32.0	112.4	34.2	92.2	38.4	62.8	35.5	70.5
190.3	19.8	163.9	20.9	160.6	22.9	126.0	182.6	175.6	25.1	108.2	27.1	88.6	30.9	60.9	28.6	67.3
203.4	12.6	157.6	13.8	154.3	15.5	122.9	177.5	170.9	18.7	103.8	20.6	85.2	24.0	59.2	22.2	64.2
210.0	9.0	155.4	10.3	152.1	12.1	121.3	174.7	164.8	15.7	101.5	17.6	83.6	20.9	58.3	19.3	62.8
213.3	-	154.3	8.6	151.0	10.3	120.2	173.3	163.4	14.3	100.3	16.1	82.8	19.4	57.9	17.8	62.0
216.5	-	153.2	-	149.9	8.6	119.0	172.0	162.0	12.8	99.2	14.6	82.0	17.9	57.5	16.3	61.3
229.7	-	147.3	-	143.3	-	116.8	164.6	155.4	7.7	94.5	9.4	79.2	12.6	56.0	11.3	58.6
232.9	-	146.4	-	142.2	-	116.3	163.3	154.3	-	93.3	8.2	78.5	11.2	55.7	10.1	58.0
236.2	-	145.5	-	141.1	-	115.7	162.0	153.2	-	92.2	-	77.8	9.9	55.3	8.8	57.3
239.5	-	143.7	-	140.0	-	115.0	159.5	151.9	-	91.3	-	77.2	8.6	55.0	-	56.8
242.8	-	141.8	-	138.9	-	114.3	157.6	150.6	-	90.5	-	76.6	-	54.6	-	56.2
255.9	-	137.8	-	134.5	-	111.3	153.2	145.5	-	87.1	-	74.1	-	53.1	-	54.0
269.0	-	134.1	-	129.7	-	109.6	147.3	140.0	-	84.3	-	71.9	-	52.0	-	52.2
282.2	-	131.2	-	126.4	-	107.8	139.3	134.5	-	81.7	-	69.7	-	50.9	-	50.5
295.3	-	129.0	-	123.5	-	106.0	129.0	127.9	-	79.1	-	67.7	-	49.8	-	48.7
308.4	-	121.8	-	120.9	-	104.4	120.2	117.7	-	76.7	-	65.9	-	48.8	-	47.3
321.5	-	113.8	-	114.0	-	103.0	111.6	107.1	-	74.6	-	64.2	-	47.9	-	45.9
334.6	-	105.6	-	106.0	-	101.6	103.4	96.6	-	72.5	-	62.6	-	47.2	-	44.5
347.8	-	98.4	-	98.8	-	97.8	95.2	85.8	-	70.6	-	61.3	-	46.5	-	43.2
360.9	-	91.6	-	92.1	-	59.1	85.4	75.5	-	68.8	-	60.0	-	45.8	-	42.0
374.0	-	85.3	-	85.8	-	-	74.1	64.6	-	67.0	-	58.6	-	45.2	-	41.0
387.1	-	79.7	-	80.0	-	-	62.7	53.9	-	65.6	-	57.7	-	44.8	-	40.0
393.7	-	76.9	-	77.2	-	-	57.1	48.5	-	64.8	-	57.1	-	44.5	-	39.5
400.3	-	74.4	-	74.6	-	-	51.4	43.0	-	64.2	-	56.7	-	-	-	39.1
403.5	-	73.2	-	73.4	-	-	48.6	40.1	-	63.8	-	56.4	-	-	-	38.9
410.1	-	70.7	-	32.0	-	-	43.0	-	-	63.2	-	56.0	-	-	-	38.5
413.4	-	69.4	-	-	-	-	40.1	-	-	62.8	-	55.8	-	-	-	38.4
419.9	-	67.2	-	-	-	-	34.4	-	-	62.3	-	55.4	-	-	-	38.0
426.5	-	-	-	-	-	-	-	-	-	61.8	-	55.0	-	-	-	37.6
433.1	-	-	-	-	-	-	-	-	-	61.3	-	54.7	-	-	-	37.3
439.6	-	-	-	-	-	-	-	-	-	60.8	-	54.4	-	-	-	37.1
446.2	-	-	-	-	-	-	-	-	-	60.4	-	27.8	-	-	-	36.9
452.8	-	-	-	-	-	-	-	-	-	60.0	-	-	-	-	-	36.6
456.0	-	-	-	-	-	-	-	-	-	59.7	-	-	-	-	-	36.5
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.2
479.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.8
482.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7
492.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.5
495.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3


0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

LSL+LF

SUPERLIFT 3800

363,800 lb + 110,200 lb ZB  27.6 ft  32.2 ft/s **360°** **75%**

ft	452.8 ft												462.6 ft							
	LSL+LF_2			LSL+LF_3			LSL+LF_4			LSL+LF_2			LSL+LF_3		LSL+LF_4					
	12 m			24 m			36 m			12 m										
	0t	0t-325t	0t	0t-325t	0t	0t-325t	0t	0t-325t	0t	0t-325t	0t	0t-325t	0t	0t-325t	0t	0t-325t				
	15°	20°	30°	15°	20°	15°	20°	15°	20°	30°	15°	20°	30°	15°	20°	15°	20°			
	1,000 lb																			
59.1	160.9	165.3	-	-	-	-	196.2	-	-	-	-	-	-	-	-	196.2	-			
62.3	159.8	165.3	157.6	162.0	-	-	179.7	175.3	196.2	196.2	-	-	-	-	-	172.0	168.7	196.2	194.0	
65.6	159.8	165.3	156.5	160.9	-	-	179.7	175.3	196.2	196.2	-	-	-	-	-	172.0	168.7	196.2	194.0	
68.9	153.2	164.2	152.7	160.4	145.5	149.9	179.1	174.7	196.2	196.2	-	-	-	-	-	171.4	168.1	195.9	193.5	
72.2	147.7	163.1	151.0	159.8	145.5	148.8	178.6	174.2	196.2	196.2	119.0	-	-	-	-	170.9	167.6	195.7	192.9	
78.7	132.3	162.0	135.6	158.7	140.0	148.8	177.5	173.1	196.2	196.2	117.9	107.8	-	-	-	169.8	166.4	195.1	192.9	
85.3	120.2	162.0	122.4	157.6	126.8	147.7	176.4	172.0	196.2	196.2	116.8	107.6	-	83.6	-	169.2	165.3	195.1	191.8	
91.9	108.2	160.9	110.2	157.6	114.6	147.7	175.3	170.9	196.2	196.2	115.7	107.1	78.0	83.3	-	168.7	165.3	195.1	191.8	
95.1	103.1	160.4	105.2	157.1	109.3	147.2	174.4	170.3	196.2	196.2	115.7	106.8	77.4	83.2	72.1	168.1	164.8	194.6	191.3	
98.4	97.9	159.8	100.1	156.5	104.1	146.6	173.6	169.8	196.2	196.2	115.7	106.5	76.7	83.1	71.9	167.6	164.2	194.0	190.7	
111.5	80.8	156.9	82.7	153.6	86.3	145.1	170.9	167.6	196.2	196.2	113.5	104.9	74.1	81.9	69.7	165.3	162.0	192.4	189.2	
114.8	76.6	156.2	78.4	152.9	81.8	144.8	170.3	167.0	196.2	196.2	113.0	104.5	73.4	81.6	69.2	164.8	161.5	192.1	188.9	
124.7	65.8	154.0	67.5	151.0	70.6	143.3	168.7	165.0	196.2	194.4	111.7	102.9	71.5	80.2	67.5	162.8	159.8	191.1	187.8	
137.8	52.9	152.1	54.5	148.8	57.1	141.1	166.4	162.0	196.2	192.9	110.2	100.5	69.0	77.8	64.8	160.9	157.6	189.6	186.3	
150.9	42.6	149.2	44.0	145.9	46.5	138.2	162.8	159.1	193.3	189.2	108.2	98.2	66.8	75.0	62.0	158.0	154.7	186.7	183.4	
164.0	33.4	145.9	34.7	142.9	37.0	134.8	159.1	155.8	189.2	185.9	105.6	95.5	64.7	72.3	59.4	155.1	152.1	184.1	180.8	
177.2	25.4	142.2	26.5	140.0	28.4	131.2	155.4	152.1	185.2	183.0	102.5	92.4	62.6	69.7	56.9	152.1	149.9	181.9	178.6	
190.3	18.2	139.3	19.3	137.1	21.2	127.5	152.5	149.2	181.9	177.5	99.4	89.3	60.7	67.0	54.5	149.5	147.3	176.4	174.5	
203.4	11.0	136.0	12.1	134.5	14.1	124.2	146.8	144.8	175.3	170.1	96.4	86.1	59.0	64.4	52.3	145.1	142.9	171.6	170.5	
206.7	9.3	135.4	10.4	133.7	12.3	123.5	145.9	143.6	173.6	169.2	95.6	85.3	58.6	63.8	51.8	144.4	142.2	170.9	169.8	
210.0	-	134.7	8.6	132.8	10.6	122.4	145.1	142.7	172.7	168.3	94.9	84.5	58.3	63.2	51.3	143.7	141.5	170.1	169.0	
213.3	-	134.0	-	132.0	8.8	121.3	144.2	141.9	171.8	167.4	94.1	83.7	57.9	62.6	50.8	142.9	140.7	169.4	168.3	
216.5	-	133.4	-	131.2	-	120.2	143.3	141.1	170.9	166.4	93.3	82.9	57.5	61.9	50.3	142.2	140.0	168.7	167.6	
229.7	-	128.2	-	126.0	-	117.9	138.5	137.4	165.7	159.1	90.3	79.8	56.0	59.4	48.5	33.0	138.2	135.6	163.5	161.7
242.8	-	123.8	-	122.4	-	115.4	135.2	132.6	161.3	152.5	87.3	77.0	54.7	57.0	46.8	31.1	134.5	132.3	160.2	155.8
255.9	-	120.2	-	117.9	-	112.4	132.3	129.0	157.6	148.8	84.2	74.5	53.6	54.7	45.2	30.2	130.1	130.1	156.5	152.1
269.0	-	117.2	-	115.0	-	110.5	127.1	124.9	145.9	143.7	81.3	72.5	52.4	52.5	43.9	29.5	127.9	125.7	144.8	143.3
282.2	-	113.0	-	111.6	-	108.5	124.2	121.8	134.5	136.0	78.5	70.5	51.3	50.6	42.5	28.7	124.0	123.5	133.4	134.0
295.3	-	110.2	-	109.8	-	105.4	120.2	117.9	124.6	125.7	75.8	68.8	50.3	48.9	41.2	28.0	121.3	119.0	122.4	123.5
308.4	-	108.2	-	106.8	-	103.6	117.2	112.8	115.0	116.1	73.3	67.0	49.2	47.4	40.1	27.5	116.1	113.9	113.4	114.2
321.5	-	106.1	-	104.9	-	101.7	111.6	105.7	106.4	107.3	70.0	65.3	48.4	46.1	38.9	26.8	109.4	106.9	104.8	105.5
334.6	-	104.1	-	103.2	-	100.5	103.4	98.3	98.8	99.2	67.9	63.7	47.6	44.8	37.9	26.2	101.2	98.1	96.6	97.2
347.8	-	96.9	-	96.9	-	96.4	94.9	91.0	91.6	92.0	66.3	62.2	46.9	43.4	37.0	25.9	94.0	89.1	89.5	90.0
360.9	-	90.1	-	90.5	-	91.1	86.4	83.6	84.7	85.2	64.4	60.9	46.2	42.3	36.2	25.4	86.0	80.1	82.6	83.1
374.0	-	83.8	-	84.0	-	73.9	78.0	76.1	78.5	78.9	63.3	59.7	45.4	41.2	35.3	25.1	77.2	71.0	76.3	76.7
387.1	-	78.0	-	78.3	-	69.5	68.7	68.7	72.9	73.2	62.5	58.6	45.0	40.2	34.7	24.8	67.5	62.5	70.7	71.0
400.3	-	72.7	-	73.0	-	61.0	61.4	61.4	67.6	67.8	61.9	57.5	44.5	39.3	34.1	24.5	57.9	53.8	65.4	65.6
410.1	-	68.9	-	69.2	-	55.1	55.9	63.9	64.1	61.5	56.7	56.7	44.3	38.8	33.7	24.3	51.6	47.0	61.7	61.9
413.4	-	67.7	-	67.9	-	53.1	54.0	62.6	62.8	61.3	56.4	-	-	38.6	33.5	24.3	48.9	45.2	60.4	60.6
419.9	-	65.5	-	65.7	-	48.7	50.3	60.3	60.5	61.1	56.1	-	-	38.2	33.3	24.3	44.1	40.6	58.1	58.3
426.5	-	63.3	-	66.0	-	44.4	-	60.1	48.9	61.0	55.7	-	-	37.9	33.1	24.1	39.2	35.9	55.9	56.1
433.1	-	61.1	-	-	-	40.1	-	56.0	-	60.8	55.3	-	-	37.5	32.8	24.0	35.1	-	53.6	53.8
436.4	-	60.0	-	-	-	38.1	-	54.9	-	60.6	55.2	-	-	37.3	32.7	24.0	32.6	-	52.5	-
439.6	-	-	-	-	-	-	-	-	-	60.3	55.0	-	-	37.2	32.6	24.0	30.2	-	51.5	-
442.9	-	-	-	-	-	-	-	-	-	60.1	54.9	-	-	37.0	32.5	24.0	28.2	-	50.5	-
446.2	-	-	-	-	-	-	-	-	-	59.8	54.7	-	-	36.9	32.4	23.8	-	-	-	-
452.8	-	-	-	-	-	-	-	-	-	59.3	54.5	-	-	36.6	32.2	-	-	-	-	-
462.6	-	-	-	-	-	-	-	-	-	56.4	53.1	-	-	36.3	32.0	-	-	-	-	-
465.9	-	-	-	-	-	-	-	-	-	55.5	-	-	-	36.2	31.9	-	-	-	-	-
472.4	-	-	-	-	-	-	-	-	-	53.6	-	-	-	35.9	31.7	-	-	-	-	-
479.0	-	-	-	-	-	-	-	-	-	-	-	-	-	35.8	31.7	-	-	-	-	-
492.1	-	-	-	-	-	-	-	-	-	-	-	-	-	35.5	31.5	-	-	-	-	-
498.7	-	-	-	-	-	-	-	-	-	-	-	-	-	35.4	31.5	-	-	-	-	-
511.8	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	-	-	-	-	-	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

472.4 ft 482.3 ft

LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_2 LSL+LF_3 LSL+LF_4

12 m 24 m 36 m 12 m

0 t 0t-325t 0 t 0t-325t 0 t 0t-325t 0t-325t

15° 20° 30° 15° 20° 15° 20° 15° 20° 30° 15° 20° 30° 15° 20° 15° 20°

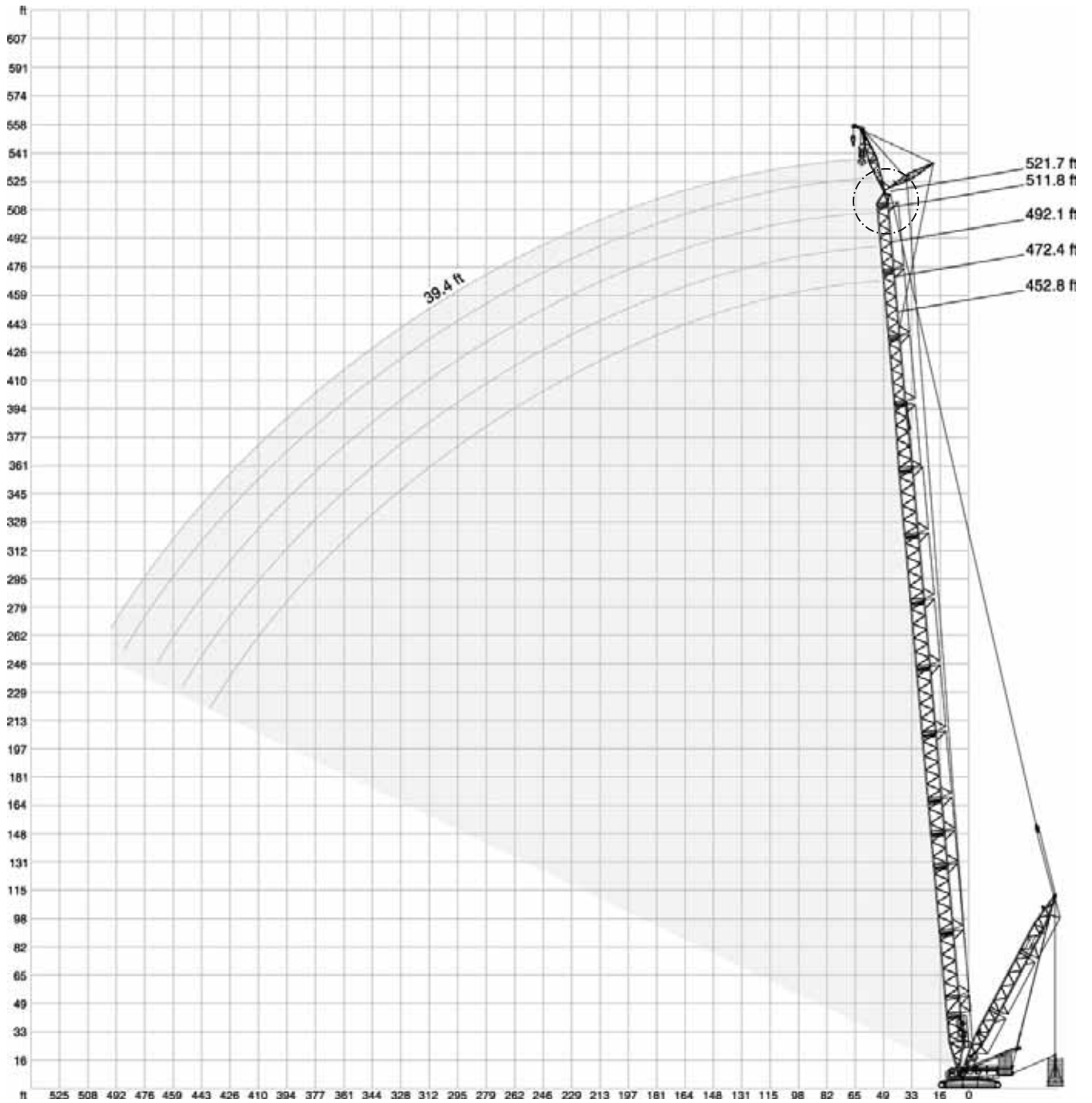
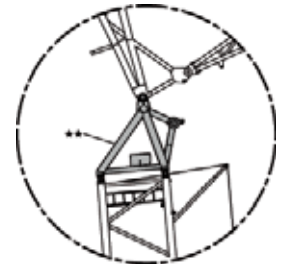
ft	1,000 lb																			
62.3	138.9	143.3	136.7	140.0	-	-	-	162.0	187.4	-	-	-	-	-	-	-	179.7			
65.6	138.9	143.3	135.6	140.0	-	-	165.3	162.0	187.4	184.1	-	-	-	-	-	158.7	155.4	178.6	177.5	
68.9	137.8	142.7	135.6	139.4	127.9	131.2	164.8	161.5	187.1	184.1	-	-	-	-	-	158.2	154.9	178.6	176.9	
72.2	137.8	142.2	135.6	138.9	127.9	131.2	164.2	160.9	186.8	184.1	-	-	-	-	-	157.6	154.3	178.6	176.4	
75.5	132.3	141.6	131.7	138.3	126.8	130.6	163.7	160.4	186.6	183.5	104.5	-	-	-	-	157.1	154.3	178.6	176.4	
78.7	127.9	141.1	130.1	137.8	126.8	130.1	163.1	159.8	186.3	183.0	104.1	-	-	-	-	156.5	154.3	178.6	176.4	
82.0	121.3	140.5	123.5	137.2	122.9	130.1	162.9	159.3	186.3	183.0	103.6	95.7	-	-	-	156.3	153.8	178.3	175.8	
85.3	114.6	140.0	116.8	136.7	121.3	130.1	162.6	158.7	186.3	183.0	103.2	95.5	-	-	-	156.0	153.2	178.0	175.3	
88.6	109.1	139.4	111.3	136.1	115.7	129.5	162.3	158.2	186.3	182.4	102.7	95.2	-	74.3	-	155.7	152.7	177.7	175.3	
91.9	103.6	138.9	105.8	135.6	110.2	129.0	162.0	157.6	186.3	181.9	102.3	95.0	76.7	74.1	-	155.4	152.1	177.5	175.3	
98.4	93.3	137.8	95.5	134.5	99.6	127.9	160.4	156.5	185.2	181.9	101.4	94.4	75.6	73.6	64.8	-	154.3	151.0	176.9	174.2
111.5	76.5	134.8	78.6	132.3	82.2	125.7	157.6	154.3	183.0	179.7	99.6	93.2	73.1	72.6	64.2	-	152.1	148.8	176.3	172.7
114.8	72.3	134.1	74.3	131.7	77.8	125.1	157.1	153.8	182.4	179.1	99.2	92.9	72.5	72.3	64.1	43.2	151.6	148.3	174.7	172.3
124.7	61.8	132.3	63.6	129.7	66.8	123.8	155.4	152.1	181.1	177.8	97.9	91.9	70.7	71.4	63.3	42.0	149.9	146.6	173.4	171.2
137.8	49.2	130.1	50.7	126.8	53.6	122.4	153.2	149.9	179.7	176.4	96.1	90.4	68.3	70.1	62.2	40.3	147.7	144.4	172.0	169.8
150.9	39.2	127.1	40.6	124.6	43.1	119.4	149.5	146.2	176.7	173.4	94.4	88.9	66.1	68.6	60.0	38.9	145.5	142.2	170.5	167.6
164.0	30.1	124.2	31.4	122.0	33.7	116.8	146.2	142.9	173.8	170.5	92.4	87.2	64.1	67.2	57.8	37.6	142.9	140.0	168.7	165.6
177.2	22.0	121.3	23.1	119.0	25.4	114.6	143.3	140.0	170.9	167.6	90.2	85.1	62.2	65.7	55.8	36.4	140.0	137.8	166.4	163.1
190.3	15.3	118.6	16.4	116.1	18.4	112.4	140.0	136.7	166.7	162.3	87.8	82.7	60.4	63.8	53.9	35.1	137.2	134.5	162.4	159.8
203.4	8.6	115.4	9.6	113.5	11.6	109.8	136.3	134.1	162.8	156.5	85.5	80.5	58.7	61.9	52.0	33.8	134.1	131.9	158.7	155.4
206.7	-	114.6	7.9	113.0	9.9	109.3	135.6	133.4	162.0	154.9	85.0	79.9	58.3	61.4	51.6	33.6	133.4	131.2	158.2	154.9
210.0	-	113.9	-	112.4	8.2	108.9	134.8	132.6	161.3	154.0	84.4	79.4	57.9	60.9	51.1	33.4	132.6	130.4	157.6	154.3
216.5	-	112.4	-	111.3	-	108.0	133.4	131.2	159.8	152.1	83.3	78.3	57.1	59.7	50.3	32.8	131.2	129.0	156.5	153.2
229.7	-	110.1	-	108.4	-	105.5	128.6	126.0	154.7	147.0	81.1	75.9	55.8	57.8	48.5	31.8	127.9	125.7	152.1	148.1
242.8	-	106.2	-	105.3	-	103.0	124.2	122.0	149.2	142.6	78.9	73.6	54.5	55.9	46.8	30.9	123.5	121.3	148.4	144.0
255.9	-	103.0	-	101.4	-	100.5	121.3	119.0	145.5	138.9	76.5	71.4	53.1	53.8	45.2	30.2	121.3	119.0	145.5	140.0
269.0	-	100.3	-	98.9	-	96.7	117.2	115.7	141.1	134.3	74.0	69.2	52.1	51.9	43.6	29.3	116.8	115.3	140.4	136.7
282.2	-	96.5	-	95.2	-	93.3	114.3	112.4	131.2	128.6	71.6	67.0	51.0	49.9	42.2	28.6	114.0	112.4	129.0	129.3
295.3	-	94.1	-	93.0	-	91.3	111.3	110.0	120.2	121.3	69.2	65.0	50.0	48.1	41.0	28.0	111.3	110.2	117.9	119.0
308.4	-	91.1	-	90.1	-	89.5	108.5	105.5	111.3	112.1	67.0	63.3	49.2	46.4	39.8	27.2	109.0	107.3	109.1	109.9
321.5	-	89.1	-	88.2	-	86.7	104.3	98.8	102.8	103.4	64.7	61.5	48.4	44.9	38.7	26.7	104.2	101.5	100.6	101.3
334.6	-	87.3	-	86.4	-	85.1	98.5	89.3	94.6	95.0	61.9	60.0	47.6	43.4	37.7	26.2	97.0	92.4	92.4	93.0
347.8	-	85.0	-	84.3	-	83.3	88.7	80.4	87.3	87.8	60.4	57.6	47.0	41.9	36.8	25.6	89.8	81.9	85.1	85.5
360.9	-	83.1	-	82.8	-	82.1	78.8	71.3	80.6	81.0	58.3	56.4	46.4	40.6	36.0	25.2	81.7	71.4	78.4	78.9
374.0	-	80.9	-	81.4	-	80.9	69.0	61.7	74.3	74.5	57.1	55.3	45.9	39.5	35.3	24.9	71.0	61.9	72.1	72.5
387.1	-	75.3	-	75.6	-	76.1	59.5	52.0	68.6	68.9	56.1	54.1	45.3	38.4	34.6	24.6	60.3	51.4	66.4	66.8
390.4	-	73.9	-	74.2	-	33.7	57.3	49.9	67.1	67.5	55.8	53.9	45.2	38.1	34.4	24.5	58.9	48.7	64.9	65.4
400.3	-	70.0	-	70.2	-	-	50.0	43.2	63.2	63.5	55.3	53.6	44.8	37.3	33.9	24.3	50.9	41.8	61.0	61.3
413.4	-	64.8	-	65.0	-	-	41.0	34.0	58.2	58.4	54.7	53.1	44.3	36.2	33.3	24.0	41.2	31.7	56.0	56.2
426.5	-	60.4	-	60.6	-	-	31.1	24.1	53.6	53.9	54.2	52.8	39.0	35.6	32.8	23.9	30.3	21.0	51.4	51.7
433.1	-	58.2	-	58.4	-	-	26.7	19.4	51.4	51.6	54.0	52.7	-	35.3	32.6	23.8	25.6	16.1	49.2	49.4
439.6	-	56.1	-	56.2	-	-	21.7	-	49.2	49.6	53.9	52.7	-	35.1	32.4	23.7	20.1	10.7	47.1	47.3
442.9	-	55.1	-	19.4	-	-	19.2	-	48.1	-	53.8	52.7	-	35.1	32.3	23.7	17.4	7.9	46.1	46.2
446.2	-	54.1	-	-	-	-	16.7	-	47.0	-	53.7	52.7	-	35.0	32.2	23.7	14.7	-	45.1	45.2
452.8	-	52.0	-	-	-	-	12.1	-	44.8	-	53.6	52.7	-	34.8	32.0	23.6	9.9	-	43.2	-
462.6	-	-	-	-	-	-	-	-	-	-	52.5	52.4	-	34.6	31.8	23.6	-	-	39.0	-
465.9	-	-	-	-	-	-	-	-	-	-	52.0	52.0	-	34.5	31.7	-	-	-	-	-
479.0	-	-	-	-	-	-	-	-	-	-	49.1	41.2	-	34.3	31.5	-	-	-	-	-
492.1	-	-	-	-	-	-	-	-	-	-	45.4	-	-	34.2	31.3	-	-	-	-	-
518.4	-	-	-	-	-	-	-	-	-	-	-	-	-	34.2	12.1	-	-	-	-	-
528.2	-	-	-	-	-	-	-	-	-	-	-	-	-	34.2	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

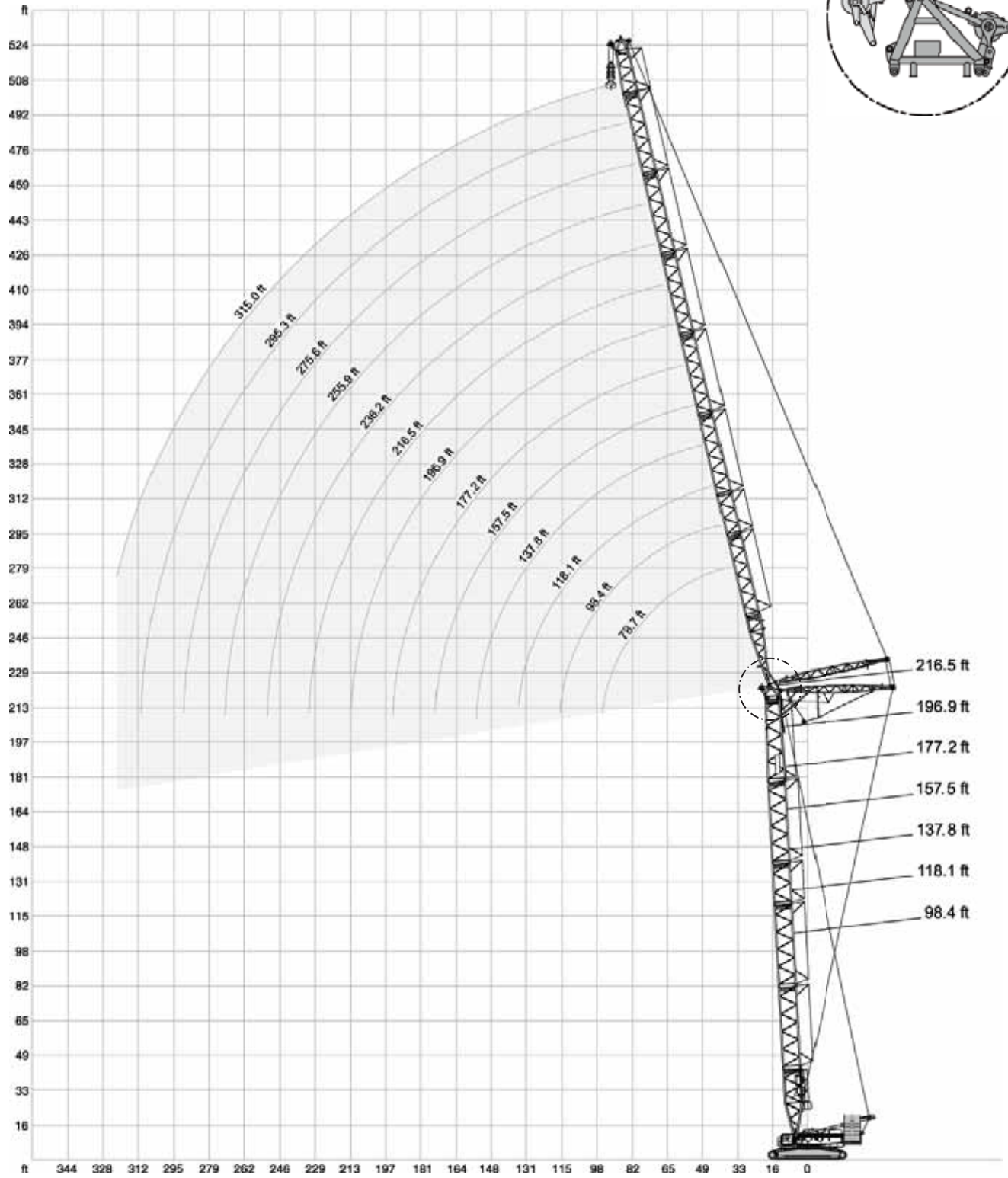
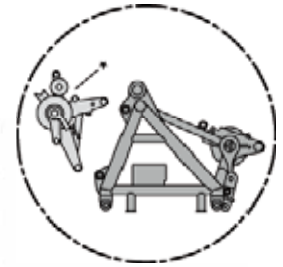
363,800 lb + 110,200 lb ZB 27.6 ft 32.2 ft/s 360° 75%

ft	492.1 ft		502.0 ft		511.8 ft		521.7 ft		LSL+LF_4							
	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t	0 t	0t-325t
	15°		20°		15°		20°		15°		20°		15°		20°	
	1,000 lb															
62.3	152.1	158.7	-	-	147.7	152.1	-	-	-	-	-	-	-	-	-	-
65.6	145.5	157.6	147.7	154.3	142.2	152.1	142.2	148.8	137.8	145.5	-	-	-	-	-	-
68.9	138.1	157.4	140.0	153.8	134.8	151.8	135.6	148.3	130.7	145.2	133.4	142.2	127.4	138.6	130.1	136.7
72.2	130.6	157.1	132.3	153.2	127.3	151.6	129.0	147.7	123.6	145.0	125.7	142.2	120.3	138.3	122.4	136.7
78.7	115.7	156.5	119.0	152.1	112.4	151.0	114.6	147.7	109.3	144.4	111.3	141.1	106.0	137.8	108.9	135.6
85.3	104.3	155.4	106.5	152.1	101.1	149.9	103.2	146.6	98.0	143.3	100.1	140.0	94.8	137.2	96.8	135.6
91.9	92.8	154.3	95.2	151.0	89.7	148.8	92.2	145.5	86.6	142.2	89.1	140.0	83.6	136.7	86.0	134.5
98.4	83.4	153.2	85.3	149.9	80.5	147.7	82.2	144.4	77.4	141.1	79.4	138.9	74.4	136.1	76.5	133.4
111.5	66.4	150.5	68.9	147.7	63.5	145.5	65.9	142.2	60.6	139.4	63.2	136.7	57.8	134.5	60.5	131.9
124.7	52.5	147.7	54.4	145.1	49.7	143.3	51.6	140.4	47.0	137.8	48.9	134.8	44.2	132.6	46.4	130.4
137.8	40.1	145.5	41.9	142.2	37.5	141.1	39.2	138.9	34.8	135.6	36.6	133.4	32.2	131.2	34.2	129.0
150.9	30.4	142.6	31.9	140.0	27.8	138.9	29.4	136.0	25.3	133.4	26.9	131.2	22.8	129.0	24.3	126.8
164.0	21.6	139.6	22.9	137.4	19.0	136.5	20.5	133.6	16.6	130.8	18.1	129.0	14.1	126.8	15.5	124.9
173.9	15.7	137.4	17.0	135.2	13.2	134.5	14.6	132.3	10.8	129.3	12.1	127.3	8.2	125.1	9.7	123.8
177.2	13.7	136.7	15.0	134.5	11.2	133.4	12.6	131.2	8.8	129.0	10.1	126.8	-	124.6	7.7	123.5
180.4	12.0	136.0	13.3	133.4	9.5	132.8	10.8	130.6	-	128.2	8.4	126.2	-	124.2	-	122.9
183.7	10.3	135.2	11.6	132.7	7.7	132.3	9.0	130.1	-	127.5	-	125.7	-	123.8	-	122.4
187.0	8.6	134.5	9.9	132.1	-	131.7	-	129.5	-	126.8	-	125.1	-	123.5	-	121.8
190.3	-	133.7	8.2	131.4	-	131.2	-	129.0	-	126.0	-	124.6	-	123.1	-	121.3
203.4	-	130.8	-	128.6	-	128.6	-	126.4	-	123.5	-	122.0	-	121.3	-	119.0
216.5	-	127.9	-	125.7	-	125.7	-	123.5	-	121.3	-	119.0	-	119.0	-	116.8
229.7	-	123.1	-	121.6	-	122.4	-	120.2	-	117.9	-	116.1	-	116.2	-	114.6
242.8	-	118.7	-	117.4	-	118.5	-	117.9	-	114.3	-	112.9	-	112.4	-	111.3
255.9	-	115.7	-	113.5	-	115.7	-	113.5	-	112.4	-	110.2	-	110.2	-	109.6
269.0	-	111.9	-	110.5	-	111.6	-	110.2	-	109.3	-	107.2	-	108.0	-	106.6
282.2	-	109.0	-	107.6	-	108.7	-	108.0	-	106.7	-	104.9	-	105.2	-	104.5
295.3	-	106.5	-	104.9	-	106.3	-	105.6	-	104.1	-	102.7	-	103.0	-	102.3
308.4	-	103.5	-	102.1	-	104.1	-	102.7	-	101.9	-	99.8	-	101.0	-	99.7
321.5	-	99.9	-	99.1	-	99.6	-	98.8	-	97.4	-	96.3	-	96.3	-	95.8
334.6	-	95.0	-	95.5	-	92.8	-	93.3	-	90.8	-	91.5	-	88.6	-	89.3
347.8	-	87.6	-	88.1	-	85.5	-	86.0	-	83.6	-	84.1	-	81.4	-	81.9
360.9	-	80.8	-	81.4	-	78.8	-	79.2	-	76.8	-	77.2	-	74.6	-	75.1
374.0	-	74.5	-	75.0	-	72.3	-	72.8	-	70.3	-	70.8	-	68.1	-	68.8
387.1	-	68.8	-	69.2	-	66.6	-	67.0	-	64.6	-	64.9	-	62.4	-	62.8
400.3	-	63.4	-	63.7	-	61.2	-	61.6	-	59.2	-	59.6	-	57.0	-	57.5
413.4	-	58.4	-	58.6	-	56.2	-	56.4	-	54.2	-	54.5	-	52.0	-	52.5
426.5	-	53.9	-	54.1	-	51.7	-	51.9	-	49.7	-	49.9	-	47.4	-	47.8
439.6	-	49.6	-	49.8	-	47.4	-	47.6	-	45.2	-	45.6	-	42.5	-	43.0
452.8	-	45.6	-	45.9	-	43.2	-	43.7	-	41.2	-	41.4	-	37.3	-	38.1
459.3	-	43.7	-	35.3	-	41.4	-	41.8	-	37.8	-	39.6	-	33.4	-	34.8
465.9	-	41.6	-	-	-	39.7	-	39.9	-	34.3	-	37.8	-	29.5	-	31.5
469.2	-	40.6	-	-	-	38.8	-	13.4	-	32.6	-	36.9	-	27.5	-	29.9
475.7	-	-	-	-	-	36.5	-	-	-	29.2	-	35.1	-	23.6	-	26.5
479.0	-	-	-	-	-	35.1	-	-	-	27.4	-	-	-	22.0	-	-
485.6	-	-	-	-	-	-	-	-	-	24.3	-	-	-	19.0	-	-
492.1	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	-	-
495.4	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb



** Option



* Attachable

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°			75%					
118.1 ft																
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft		
SW_1																
		87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
1,000 lb																
36.1	597.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
39.4	549.0	-	-	524.7	-	-	-	-	-	-	-	-	-	-	-	
45.9	471.8	-	-	454.2	-	-	434.3	-	-	-	-	-	-	-	-	
49.2	440.9	-	-	423.3	-	-	407.9	-	-	392.4	-	-	-	-	-	
52.5	414.5	-	-	399.0	-	-	383.6	-	-	370.4	-	-	-	-	-	
55.8	390.2	-	-	374.8	-	-	361.6	-	-	348.3	-	-	335.1	-	-	
59.1	368.2	-	-	354.9	-	-	341.7	-	-	330.7	-	-	317.5	-	-	
65.6	328.5	-	-	319.7	-	-	308.6	-	-	297.6	-	-	286.6	-	-	
72.2	288.8	-	-	284.4	-	-	280.0	-	-	271.2	-	-	260.1	-	-	
75.5	272.3	242.5	-	269.0	-	-	265.7	-	-	260.1	-	-	249.1	-	-	
78.7	255.7	229.3	-	253.5	-	-	251.3	-	-	249.1	-	-	238.1	-	-	
85.3	229.3	207.2	-	227.1	203.9	-	227.1	-	-	224.9	-	-	220.5	-	-	
91.9	205.0*	187.4	-	207.2	184.1	-	205.0	181.9	-	203.9	-	-	201.7	-	-	
98.4	-	170.9	-	188.5	167.6	-	187.4	165.3	-	186.3	-	-	184.1	-	-	
101.7	-	164.2	-	181.1	161.2	-	180.2	159.0	-	179.1	156.5	-	176.6	-	-	
108.3	-	151.0	135.6	166.4	148.5	-	165.9	146.3	-	164.8	144.0	-	161.8	141.1	-	
111.5	-	144.4	131.2	157.6*	142.2	-	158.7	140.0	-	157.6	137.8	-	154.3	134.5	-	
114.8	-	138.9	126.5	-	137.2	-	153.2	135.0	-	152.1	132.8	-	148.8	129.5	-	
118.1	-	-	121.8	-	132.3	117.9	147.7	130.1	-	146.6	127.9	-	143.3	124.6	-	
124.7	-	-	112.4	-	122.4	109.6	136.7	120.2	-	135.6	117.9	-	132.3	114.6	-	
131.2	-	-	105.7	-	114.6	102.4	125.7*	112.5	99.6	126.8	110.7	-	124.0	107.4	-	
134.5	-	-	102.3	-	-	98.8	-	108.7	96.3	122.4	107.0	-	119.9	103.7	-	
137.8	-	-	-	-	-	95.5	-	104.9	93.0	117.9	103.4	-	115.7	100.1	-	
141.1	-	-	-	-	-	92.7	-	101.9	90.2	114.6	100.3	88.4	112.3	97.0	-	
150.9	-	-	-	-	-	84.4	-	92.8	81.8	103.0*	91.1	80.0	102.1	87.7	-	
154.2	-	-	-	-	-	-	-	-	79.5	-	88.6	77.7	99.3	85.2	73.2	
164.0	-	-	-	-	-	-	-	-	72.8	-	81.1	70.5	91.1	77.6	66.1	
170.6	-	-	-	-	-	-	-	-	68.8	-	76.9	66.6	84.0*	73.4	62.2	
177.2	-	-	-	-	-	-	-	-	-	-	-	62.6	-	69.2	58.2	
190.3	-	-	-	-	-	-	-	-	-	-	-	56.4	-	62.4	51.6	
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.1	
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.9	

* 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

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°		75%		
118.1 ft												
SW_1												
1,000 lb												
ft	177.2 ft			196.9 ft			216.5 ft			236.2 ft		
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
59.1	306.4	-	-	-	-	-	-	-	-	-	-	-
62.3	291.0	-	-	282.2	-	-	-	-	-	-	-	-
65.6	277.8	-	-	266.8	-	-	-	-	-	-	-	-
68.9	265.7	-	-	255.7	-	-	246.9	-	-	-	-	-
72.2	253.5	-	-	244.7	-	-	235.9	-	-	218.3	-	-
78.7	231.5	-	-	222.7	-	-	217.2	-	-	209.4	-	-
85.3	213.8	-	-	206.1	-	-	200.6	-	-	192.9	-	-
91.9	198.4	-	-	191.8	-	-	185.2	-	-	178.6	-	-
98.4	183.0	-	-	177.5	-	-	172.0	-	-	166.4	-	-
111.5	154.3	-	-	152.1	-	-	149.9	-	-	144.4	-	-
118.1	143.3	123.5	-	141.1	-	-	139.4	-	-	135.6	-	-
124.7	132.3	114.6	-	130.1	-	-	129.0	-	-	126.8	-	-
128.0	127.9	110.8	-	125.9	108.5	-	124.6	-	-	122.6	-	-
134.5	119.0	103.2	-	117.7	101.0	-	115.7	99.0	-	114.4	-	-
137.8	114.6	99.4	-	113.5	97.2	-	111.3	95.5	-	110.2	-	-
144.4	108.1	93.1	-	106.6	90.8	-	104.8	89.3	-	103.6	87.3	-
150.9	101.6	87.1	-	99.6	84.7	-	98.3	83.1	-	97.0	81.4	-
164.0	90.2	76.7	65.0	88.2	74.5	-	86.9	72.8	-	85.3	70.8	-
173.9	83.1	70.4	59.1	80.9	67.9	56.0	79.6	66.1	-	78.0	64.0	-
177.2	80.7	68.3	57.1	78.5	65.7	54.0	77.2	63.9	-	75.6	61.7	-
187.0	72.5*	62.7	52.0	72.5	60.1	49.1	71.0	58.0	46.7	69.5	56.1	-
190.3	-	60.8	50.3	70.5	58.2	47.4	69.0	56.2	45.2	67.5	54.2	-
196.9	-	57.8	47.4	67.1	54.9	44.4	65.6	53.0	42.1	63.9	50.9	39.9
203.4	-	54.7	44.5	63.7	51.8	41.4	62.2	49.8	39.5	60.4	47.6	37.0
206.7	-	53.1	43.3	60.4*	50.4	40.2	60.7	48.4	38.2	58.9	46.2	35.8
210.0	-	51.8	42.1	-	49.1	39.0	59.2	47.0	36.9	57.3	44.8	34.5
216.5	-	-	39.7	-	46.3	36.6	56.2	44.1	34.4	54.2	41.9	32.0
226.4	-	-	36.5	-	42.5	33.5	50.5*	40.5	31.1	50.1	38.1	28.7
229.7	-	-	35.5	-	-	32.4	-	39.2	30.0	48.7	37.0	27.6
242.8	-	-	-	-	-	28.7	-	35.1	26.2	42.1*	32.6	23.8
246.1	-	-	-	-	-	27.8	-	34.2	25.5	41.0*	31.7	23.0
255.9	-	-	-	-	-	-	-	-	23.1	-	28.9	20.5
265.7	-	-	-	-	-	-	-	-	20.9	-	26.5	18.2
269.0	-	-	-	-	-	-	-	-	-	-	-	17.4
282.2	-	-	-	-	-	-	-	-	-	-	-	14.8
285.4	-	-	-	-	-	-	-	-	-	-	-	14.3

* 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

452,000 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

118.1 ft

ft	255.9 ft			275.6 ft			295.3 ft			315.0 ft		
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
	SW_1											
	1,000 lb											
75.5	186.3	-	-	-	-	-	-	-	-	-	-	-
78.7	185.2	-	-	-	-	-	-	-	-	-	-	-
82.0	184.1	-	-	157.6	-	-	-	-	-	-	-	-
85.3	183.0	-	-	156.5	-	-	134.5	-	-	-	-	-
88.6	178.0	-	-	155.4	-	-	133.4	-	-	115.7	-	-
91.9	173.1	-	-	154.3	-	-	132.3	-	-	114.6	-	-
98.4	160.9	-	-	153.2	-	-	131.2	-	-	113.5	-	-
111.5	140.0	-	-	134.5	-	-	129.0	-	-	111.3	-	-
124.7	122.4	-	-	117.9	-	-	113.5	-	-	108.7	-	-
137.8	108.9	-	-	104.1	-	-	100.3	-	-	95.5	-	-
150.9	95.5	79.4	-	92.6	-	-	88.8	-	-	84.2	-	-
160.8	86.9	71.6	-	84.3	67.9	-	81.4	-	-	77.1	-	-
164.0	84.0	69.0	-	81.6	65.7	-	78.9	-	-	74.7	-	-
167.3	81.6	66.6	-	79.1	63.4	-	76.8	60.2	-	72.6	-	-
177.2	74.3	60.0	-	71.9	56.7	-	70.5	54.7	-	66.4	50.3	-
190.3	65.9	52.2	-	63.5	48.9	-	62.4	47.4	-	59.1	44.1	-
203.4	58.9	45.6	-	56.2	42.3	-	54.9	40.8	-	52.7	38.4	-
210.0	55.7	42.8	32.4	52.9	39.6	-	51.6	37.9	-	49.5	35.6	-
216.5	52.5	39.9	30.0	49.8	36.8	-	48.3	35.1	-	46.3	32.8	-
219.8	51.0	38.6	28.8	48.4	35.5	25.4	46.8	33.8	-	44.9	31.6	-
229.7	47.0	35.1	25.6	44.1	31.7	22.0	42.5	30.2	-	40.6	27.8	-
232.9	45.7	34.0	24.6	42.8	30.6	21.1	41.3	29.1	19.2	39.2	26.7	-
242.8	41.9	30.6	21.6	39.0	27.3	18.3	37.5	25.8	16.3	35.3	23.4	13.9
255.9	37.5	26.7	18.3	34.6	23.6	14.8	32.8	21.8	13.0	30.9	19.4	10.4
262.5	33.7*	25.0	16.7	32.6	21.8	13.3	30.9	20.1	11.5	28.8	17.7	8.8
265.7	32.8*	24.2	15.9	31.6	20.9	12.6	29.9	19.2	10.7	27.7	16.9	-
269.0	-	23.4	15.2	30.6	20.1	11.9	28.9	18.3	9.9	26.7	16.1	-
272.3	-	22.6	14.6	29.8	19.3	11.2	28.0	17.5	9.3	25.8	15.3	-
282.2	-	20.3	12.6	25.4*	17.0	9.0	25.4	15.2	-	23.1	12.8	-
285.4	-	19.6	12.0	-	16.3	-	24.5	14.5	-	22.3	12.1	-
295.3	-	-	10.1	-	14.3	-	22.0	12.3	-	19.8	9.9	-
298.6	-	-	9.6	-	13.7	-	21.4	11.7	-	19.1	9.3	-
301.8	-	-	9.0	-	13.2	-	19.2*	11.1	-	18.4	-	-
305.1	-	-	-	-	12.6	-	-	10.5	-	17.7	-	-
308.4	-	-	-	-	-	-	-	9.9	-	17.0	-	-
311.7	-	-	-	-	-	-	-	9.3	-	16.2	-	-
321.5	-	-	-	-	-	-	-	-	-	12.8*	-	-

* 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

452,000 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%			
137.8 ft											
78.7 ft		98.4 ft			118.1 ft			137.8 ft		157.5 ft	
SW_1											
87°		75°		65°		87°		75°		65°	
ft											
1,000 lb											
39.4	524.7	-	-	-	-	-	-	-	-	-	-
42.7	485.0	-	-	465.2	-	-	-	-	-	-	-
45.9	451.9	-	-	434.3	-	-	416.7	-	-	-	-
49.2	423.3	-	-	407.9	-	-	390.2	-	-	377.0	-
52.5	399.0	-	-	383.6	-	-	368.2	-	-	354.9	-
55.8	374.8	-	-	361.6	-	-	348.3	-	-	335.1	-
59.1	354.9	-	-	341.7	-	-	328.5	-	-	319.7	-
65.6	319.7	-	-	308.6	-	-	297.6	-	-	288.8	-
72.2	286.6	-	-	282.2	-	-	271.2	-	-	262.4	-
78.7	253.5	-	-	251.3	-	-	249.1	-	-	240.3	-
82.0	241.4	211.6	-	239.2	-	-	237.0	-	-	231.5	-
85.3	229.3	200.6	-	227.1	-	-	224.9	-	-	222.7	-
91.9	203.9*	181.9	-	205.0	178.6	-	203.9	-	-	202.8	-
95.1	194.0*	173.6	-	196.2	170.3	-	195.1	-	-	194.0	-
98.4	-	165.3	-	187.4	162.0	-	186.3	159.8	-	185.2	-
108.3	-	146.3	-	165.3	143.0	-	164.8	140.8	-	163.7	138.9
111.5	-	140.0	-	155.4*	136.7	-	157.6	134.5	-	156.5	133.4
114.8	-	135.0	-	149.9*	132.0	-	152.1	129.8	-	151.0	128.4
118.1	-	130.1	113.5	-	127.3	-	146.6	125.1	-	145.5	123.5
124.7	-	-	106.0	-	117.9	-	135.6	115.7	-	134.5	113.5
128.0	-	-	102.7	-	114.3	98.8	131.2	112.0	-	130.3	110.0
131.2	-	-	99.3	-	110.6	95.5	123.5*	108.2	-	126.2	106.5
137.8	-	-	92.6	-	103.2	89.1	-	100.8	86.2	117.9	99.4
141.1	-	-	89.7	-	-	86.3	-	97.8	83.4	114.5	96.4
150.9	-	-	-	-	-	78.0	-	88.8	75.2	101.6*	87.3
157.5	-	-	-	-	-	73.6	-	84.0	70.7	-	82.5
160.8	-	-	-	-	-	71.4	-	-	68.4	-	80.0
164.0	-	-	-	-	-	-	-	-	66.1	-	77.6
170.6	-	-	-	-	-	-	-	-	62.5	-	73.6
177.2	-	-	-	-	-	-	-	-	58.9	-	69.7
180.4	-	-	-	-	-	-	-	-	57.3	-	55.0
190.3	-	-	-	-	-	-	-	-	-	-	50.5
193.6	-	-	-	-	-	-	-	-	-	-	49.2
200.1	-	-	-	-	-	-	-	-	-	-	46.7
203.4	-	-	-	-	-	-	-	-	-	-	-
216.5	-	-	-	-	-	-	-	-	-	-	-

* 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

452,000 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

137.8 ft

ft	177.2 ft			196.9 ft			216.5 ft			236.2 ft		
	SW_1											
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
	1,000 lb											
59.1	295.4	-	-	-	-	-	-	-	-	-	-	-
65.6	266.8	-	-	257.9	-	-	-	-	-	-	-	-
68.9	255.7	-	-	246.9	-	-	238.1	-	-	-	-	-
72.2	244.7	-	-	235.9	-	-	229.3	-	-	209.4	-	-
78.7	224.9	-	-	217.2	-	-	210.5	-	-	202.8	-	-
85.3	207.2	-	-	200.6	-	-	194.0	-	-	187.4	-	-
91.9	191.8	-	-	185.2	-	-	179.7	-	-	173.1	-	-
98.4	178.6	-	-	172.0	-	-	167.6	-	-	160.9	-	-
111.5	153.2	-	-	151.0	-	-	145.5	-	-	140.0	-	-
124.7	131.2	110.2	-	130.1	-	-	129.0	-	-	123.5	-	-
131.2	122.9	102.7	-	121.3	100.1	-	120.2	-	-	116.7	-	-
137.8	114.6	95.5	-	112.4	93.0	-	111.3	-	-	110.0	-	-
141.1	111.2	92.4	-	109.1	90.0	-	107.9	88.2	-	106.6	-	-
147.6	104.2	86.4	-	102.3	83.9	-	101.1	82.3	-	99.8	79.6	-
150.9	100.8	83.3	-	99.0	80.9	-	97.7	79.4	-	96.3	77.2	-
164.0	89.5	73.4	-	87.5	70.8	-	86.2	68.8	-	84.9	66.8	-
173.9	82.4	67.0	52.9	80.2	64.2	-	78.9	62.2	-	77.5	60.2	-
177.2	80.0	64.8	51.1	77.8	61.9	-	76.5	60.2	-	75.2	58.0	-
183.7	75.8	61.2	48.0	73.9	58.3	44.8	72.3	56.4	-	71.1	54.3	-
190.3	69.7*	57.5	44.8	69.9	54.7	41.7	68.3	52.7	-	67.0	50.7	-
193.6	-	55.9	43.2	68.2	53.1	40.3	66.6	51.1	37.9	65.3	49.1	-
203.4	-	51.1	39.2	63.1	48.5	36.2	61.5	46.5	34.0	60.0	44.3	-
206.7	-	49.9	38.1	59.4*	47.1	35.0	60.0	45.1	32.8	58.4	42.9	30.4
210.0	-	48.6	36.9	58.0*	45.7	33.8	58.5	43.8	31.6	56.9	41.5	29.2
213.3	-	47.4	35.8	-	44.4	32.7	57.0	42.4	30.5	55.3	40.1	28.1
216.5	-	-	34.6	-	43.0	31.5	55.6	41.0	29.3	53.8	38.8	26.9
226.4	-	-	31.6	-	39.7	28.5	49.4*	37.5	26.2	49.7	35.2	23.9
229.7	-	-	30.6	-	38.6	27.6	-	36.4	25.4	48.3	34.0	22.9
232.9	-	-	29.8	-	37.5	26.7	-	35.3	24.5	47.1	32.9	22.0
236.2	-	-	28.9	-	-	25.8	-	34.3	23.6	45.9	31.9	21.1
242.8	-	-	-	-	-	24.0	-	32.2	21.8	43.4	29.8	19.2
246.1	-	-	-	-	-	23.3	-	31.3	21.1	39.9*	28.9	18.4
252.6	-	-	-	-	-	21.9	-	29.5	19.5	-	27.1	16.9
255.9	-	-	-	-	-	21.2	-	-	18.7	-	26.2	16.1
269.0	-	-	-	-	-	-	-	-	16.1	-	22.9	13.2
272.3	-	-	-	-	-	-	-	-	15.4	-	22.3	12.6
275.6	-	-	-	-	-	-	-	-	15.0	-	-	12.0
282.2	-	-	-	-	-	-	-	-	-	-	-	10.8
292.0	-	-	-	-	-	-	-	-	-	-	-	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

452,000 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

137.8 ft

ft	255.9 ft			275.6 ft			295.3 ft			315.0 ft		
	SW_1											
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
	1,000 lb											
78.7	177.5	-	-	-	-	-	-	-	-	-	-	-
82.0	176.4	-	-	151.0	-	-	-	-	-	-	-	-
85.3	175.3	-	-	149.9	-	-	129.0	-	-	-	-	-
91.9	167.6	-	-	148.8	-	-	127.9	-	-	110.2	-	-
98.4	155.4	-	-	146.6	-	-	125.7	-	-	109.6	-	-
111.5	135.6	-	-	130.1	-	-	123.5	-	-	107.4	-	-
124.7	119.0	-	-	113.5	-	-	110.0	-	-	104.9	-	-
137.8	105.6	-	-	100.8	-	-	96.8	-	-	92.2	-	-
150.9	94.1	-	-	89.5	-	-	85.8	-	-	81.4	-	-
157.5	88.8	68.6	-	84.7	-	-	81.0	-	-	76.7	-	-
164.0	83.3	64.6	-	79.8	60.0	-	76.3	-	-	72.1	-	-
173.9	76.1	58.3	-	73.4	54.5	-	70.2	50.9	-	66.0	-	-
177.2	73.6	56.2	-	71.2	52.7	-	68.1	49.4	-	63.9	-	-
180.4	71.6	54.3	-	69.2	50.9	-	66.3	47.8	-	62.2	43.2	-
190.3	65.5	48.7	-	63.1	45.4	-	60.8	43.2	-	56.9	38.8	-
203.4	58.4	42.3	-	55.8	39.0	-	54.2	37.5	-	50.5	33.5	-
216.5	52.0	36.8	24.7	49.2	33.5	-	47.8	32.0	-	45.0	28.9	-
229.7	46.3	32.0	20.7	43.4	28.9	17.2	42.1	27.1	-	39.9	24.7	-
239.5	42.7	28.8	18.1	39.6	25.6	14.6	38.3	24.0	12.6	36.1	21.6	-
242.8	41.4	27.8	17.2	38.4	24.5	13.7	37.0	22.9	11.7	34.8	20.5	-
252.6	38.1	25.0	14.7	35.1	21.8	11.2	33.6	20.1	9.3	31.5	17.7	-
255.9	37.0	24.0	13.9	34.0	20.9	10.4	32.4	19.2	-	30.4	16.8	-
262.5	35.1	22.4	12.5	32.1	19.2	9.0	30.4	17.5	-	28.3	15.1	-
265.7	32.0*	21.6	11.7	31.1	18.3	-	29.4	16.7	-	27.3	14.3	-
269.0	-	20.7	11.0	30.2	17.4	-	28.4	15.9	-	26.2	13.4	-
278.9	-	18.6	9.0	27.6	15.2	-	25.8	13.6	-	23.6	11.1	-
282.2	-	17.9	-	24.7*	14.6	-	24.9	12.8	-	22.7	10.4	-
285.4	-	17.2	-	23.8*	13.9	-	24.1	12.1	-	21.9	9.7	-
288.7	-	16.5	-	-	13.2	-	23.3	11.5	-	21.1	9.0	-
295.3	-	-	-	-	11.9	-	21.6	10.1	-	19.4	-	-
301.8	-	-	-	-	10.8	-	18.3*	8.8	-	18.0	-	-
305.1	-	-	-	-	10.3	-	17.6*	-	-	17.3	-	-
308.4	-	-	-	-	9.7	-	-	-	-	16.5	-	-
321.5	-	-	-	-	-	-	-	-	-	11.9*	-	-

* 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

452,000 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

157.5 ft

ft	78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft		
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
	SW_1														
	1,000 lb														
39.4	498.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.7	463.0	-	-	445.3	-	-	-	-	-	-	-	-	-	-	-
45.9	434.3	-	-	416.7	-	-	399.0	-	-	-	-	-	-	-	-
52.5	381.4	-	-	368.2	-	-	354.9	-	-	341.7	-	-	-	-	-
55.8	361.6	-	-	348.3	-	-	335.1	-	-	324.1	-	-	310.9	-	-
59.1	341.7	-	-	328.5	-	-	317.5	-	-	306.4	-	-	295.4	-	-
65.6	308.6	-	-	297.6	-	-	286.6	-	-	277.8	-	-	266.8	-	-
72.2	282.2	-	-	271.2	-	-	262.4	-	-	253.5	-	-	244.7	-	-
78.7	253.5	-	-	249.1	-	-	240.3	-	-	233.7	-	-	224.9	-	-
85.3	227.1	-	-	224.9	-	-	222.7	-	-	216.1	-	-	207.2	-	-
88.6	216.6	184.1	-	214.4	-	-	212.7	-	-	208.3	-	-	199.5	-	-
91.9	206.1	175.3	-	203.9	-	-	202.8	-	-	200.6	-	-	191.8	-	-
95.1	191.8*	167.6	-	195.1	163.1	-	194.0	-	-	192.4	-	-	185.2	-	-
98.4	-	159.8	-	186.3	155.4	-	185.2	-	-	184.1	-	-	178.6	-	-
105.0	-	147.2	-	172.0	143.3	-	170.9	141.1	-	169.8	-	-	165.3	-	-
111.5	-	134.5	-	157.6	131.2	-	156.5	129.0	-	155.4	127.9	-	152.1	-	-
114.8	-	129.8	-	147.7*	126.5	-	151.0	124.3	-	149.9	123.3	-	146.9	-	-
121.4	-	120.4	-	-	117.1	-	140.0	114.9	-	138.9	114.1	-	136.4	110.2	-
124.7	-	115.7	98.3	-	112.4	-	134.5	110.2	-	133.4	109.6	-	131.2	106.0	-
134.5	-	-	88.2	-	102.0	-	117.9*	99.8	-	121.0	98.3	-	117.9	95.1	-
137.8	-	-	84.9	-	98.5	80.7	-	96.3	-	116.8	95.0	-	113.5	91.5	-
144.4	-	-	79.8	-	92.6	75.4	-	90.5	-	110.1	89.1	-	106.9	85.6	-
147.6	-	-	77.3	-	-	72.8	-	87.6	69.9	106.7	86.1	-	103.6	82.7	-
150.9	-	-	74.7	-	-	70.3	-	84.7	67.5	100.1*	83.1	-	100.3	79.8	-
154.2	-	-	-	-	-	68.2	-	82.3	65.3	97.2*	80.7	-	97.6	77.3	-
160.8	-	-	-	-	-	64.0	-	77.6	61.0	-	76.0	58.9	92.0	72.2	-
164.0	-	-	-	-	-	61.9	-	-	58.9	-	73.6	56.9	89.3	69.7	-
167.3	-	-	-	-	-	60.2	-	-	57.2	-	71.7	55.1	86.9	67.6	-
170.6	-	-	-	-	-	-	-	-	55.4	-	69.7	53.4	81.4*	65.6	48.7
173.9	-	-	-	-	-	-	-	-	53.7	-	67.7	51.6	79.1*	63.5	47.1
177.2	-	-	-	-	-	-	-	-	52.0	-	65.7	49.8	-	61.5	45.4
180.4	-	-	-	-	-	-	-	-	50.6	-	63.9	48.4	-	59.7	43.9
187.0	-	-	-	-	-	-	-	-	47.8	-	-	45.5	-	56.2	41.0
190.3	-	-	-	-	-	-	-	-	-	-	-	44.1	-	54.5	39.5
200.1	-	-	-	-	-	-	-	-	-	-	-	40.4	-	50.3	35.7
203.4	-	-	-	-	-	-	-	-	-	-	-	39.2	-	-	34.4
206.7	-	-	-	-	-	-	-	-	-	-	-	38.4	-	-	33.4
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.4
226.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.0

* 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

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°			75%		
157.5 ft													
		177.2 ft			196.9 ft			216.5 ft			236.2 ft		
SW_1													
		87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
1,000 lb													
ft													
62.3	271.2	-	-	-	-	-	-	-	-	-	-	-	-
65.6	257.9	-	-	249.1	-	-	-	-	-	-	-	-	-
68.9	246.9	-	-	238.1	-	-	224.9	-	-	-	-	-	-
72.2	235.9	-	-	227.1	-	-	220.5	-	-	-	-	-	-
75.5	226.5	-	-	218.3	-	-	211.6	-	-	195.1	-	-	-
78.7	217.2	-	-	209.4	-	-	202.8	-	-	194.0	-	-	-
85.3	200.6	-	-	194.0	-	-	187.4	-	-	180.8	-	-	-
91.9	186.3	-	-	179.7	-	-	174.2	-	-	167.6	-	-	-
98.4	173.1	-	-	167.6	-	-	162.0	-	-	155.4	-	-	-
111.5	152.1	-	-	146.6	-	-	141.1	-	-	135.6	-	-	-
124.7	131.2	-	-	129.0	-	-	124.6	-	-	119.0	-	-	-
128.0	126.8	101.6	-	124.6	-	-	121.0	-	-	115.9	-	-	-
137.8	113.5	91.1	-	111.3	88.6	-	110.2	-	-	106.5	-	-	-
144.4	106.8	85.1	-	104.7	82.6	-	103.6	80.2	-	100.8	-	-	-
150.9	100.1	79.1	-	98.1	76.5	-	97.0	74.5	-	95.0	-	-	-
154.2	97.2	76.7	-	95.3	74.0	-	94.1	71.9	-	92.3	68.3	-	-
164.0	88.6	69.2	-	86.9	66.4	-	85.5	64.4	-	84.2	62.4	-	-
177.2	79.4	60.6	-	77.2	58.0	-	75.8	56.0	-	74.5	54.0	-	-
180.4	77.4	58.9	43.0	75.1	56.2	-	73.9	54.2	-	72.5	52.2	-	-
190.3	68.6*	53.6	38.6	69.2	50.9	-	67.9	48.9	-	66.4	47.0	-	-
193.6	-	52.1	37.3	67.5	49.4	34.2	66.1	47.4	-	64.6	45.3	-	-
203.4	-	47.6	33.5	62.4	44.8	30.4	60.8	42.8	28.2	59.3	40.8	-	-
210.0	-	45.1	31.3	56.9*	42.2	28.2	57.9	40.1	26.0	56.2	38.1	-	-
216.5	-	42.5	29.1	-	39.7	26.0	54.9	37.7	23.8	53.1	35.5	21.4	-
219.8	-	41.4	28.1	-	38.4	25.1	53.7	36.5	22.9	51.7	34.3	20.4	-
229.7	-	-	25.4	-	35.3	22.3	47.0*	33.1	20.1	47.6	30.9	17.6	-
239.5	-	-	23.0	-	32.4	19.8	-	30.1	17.6	44.0	27.9	15.1	-
242.8	-	-	22.3	-	-	19.0	-	29.1	16.8	42.8	26.9	14.3	-
246.1	-	-	21.6	-	-	18.3	-	28.3	16.0	39.0*	25.9	13.6	-
249.3	-	-	-	-	-	17.6	-	27.4	15.3	37.9*	24.9	12.9	-
255.9	-	-	-	-	-	16.3	-	25.8	13.9	-	23.4	11.5	-
262.5	-	-	-	-	-	15.0	-	-	12.7	-	21.8	10.1	-
265.7	-	-	-	-	-	-	-	-	12.1	-	21.1	9.5	-
269.0	-	-	-	-	-	-	-	-	11.5	-	20.3	-	-
275.6	-	-	-	-	-	-	-	-	10.4	-	18.7	-	-
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

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°			75%		
157.5 ft													
		255.9 ft			275.6 ft			295.3 ft			315.0 ft		
SW_1													
		87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
1,000 lb													
ft													
78.7	166.4	-	-	-	-	-	-	-	-	-	-	-	-
82.0	165.9	-	-	142.2	-	-	-	-	-	-	-	-	-
85.3	165.3	-	-	141.1	-	-	-	-	-	-	-	-	-
88.6	163.7	-	-	140.5	-	-	121.3	-	-	-	-	-	-
91.9	162.0	-	-	140.0	-	-	120.2	-	-	104.3	-	-	-
98.4	149.9	-	-	138.9	-	-	119.0	-	-	103.4	-	-	-
111.5	131.2	-	-	125.7	-	-	116.8	-	-	101.4	-	-	-
124.7	114.6	-	-	110.2	-	-	106.0	-	-	99.2	-	-	-
137.8	102.3	-	-	97.4	-	-	93.5	-	-	88.8	-	-	-
150.9	91.1	-	-	86.4	-	-	82.7	-	-	78.3	-	-	-
164.0	81.6	58.4	-	77.2	-	-	73.6	-	-	69.2	-	-	-
170.6	77.4	55.1	-	73.1	50.3	-	69.6	-	-	65.3	-	-	-
177.2	73.2	51.8	-	69.0	47.2	-	65.5	-	-	61.3	-	-	-
180.4	71.2	50.0	-	67.2	45.7	-	63.7	42.1	-	59.6	-	-	-
187.0	67.1	46.5	-	63.7	42.7	-	60.3	39.3	-	56.2	34.8	-	-
190.3	65.0	45.0	-	61.9	41.2	-	58.6	37.9	-	54.5	33.5	-	-
203.4	58.0	38.8	-	55.1	35.5	-	52.5	32.8	-	48.5	28.7	-	-
216.5	51.4	33.5	-	48.5	30.2	-	47.0	28.4	-	43.0	24.3	-	-
226.4	47.2	30.0	16.3	44.4	26.7	-	42.8	25.0	-	39.3	21.3	-	-
229.7	45.9	28.9	15.4	43.0	25.6	-	41.4	23.8	-	38.1	20.3	-	-
242.8	40.8	24.9	12.1	37.9	21.6	-	36.4	19.8	-	33.7	16.8	-	-
255.9	36.4	21.2	9.3	33.5	17.9	-	32.0	16.3	-	29.8	13.4	-	-
269.0	30.2*	18.1	-	29.5	14.8	-	28.0	13.0	-	25.8	10.6	-	-
275.6	-	16.6	-	27.9	13.3	-	26.2	11.6	-	24.0	9.3	-	-
282.2	-	15.2	-	26.2	11.9	-	24.5	10.1	-	22.3	-	-	-
285.4	-	14.6	-	22.9*	11.2	-	23.6	9.5	-	21.4	-	-	-
295.3	-	12.8	-	-	9.3	-	21.2	-	-	19.0	-	-	-
305.1	-	-	-	-	-	-	16.8*	-	-	16.8	-	-	-
308.4	-	-	-	-	-	-	-	-	-	16.1	-	-	-
321.5	-	-	-	-	-	-	-	-	-	11.2*	-	-	-
324.8	-	-	-	-	-	-	-	-	-	10.6*	-	-	-

* 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

452,000 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%					
177.2 ft		78.7 ft		98.4 ft		118.1 ft		137.8 ft		157.5 ft			
SW_1		87°		75°		65°		87°		75°		65°	
ft		1,000 lb											
39.4	476.2	-	-	-	-	-	-	-	-	-	-	-	-
45.9	414.5	-	-	399.0	-	-	-	-	-	-	-	-	-
49.2	390.2	-	-	374.8	-	-	359.4	-	-	-	-	-	-
52.5	368.2	-	-	352.7	-	-	339.5	-	-	328.5	-	-	-
55.8	348.3	-	-	335.1	-	-	321.9	-	-	310.9	-	-	297.6
59.1	328.5	-	-	317.5	-	-	306.4	-	-	295.4	-	-	284.4
65.6	297.6	-	-	286.6	-	-	277.8	-	-	269.0	-	-	257.9
72.2	273.4	-	-	262.4	-	-	253.5	-	-	244.7	-	-	235.9
78.7	251.3	-	-	242.5	-	-	233.7	-	-	224.9	-	-	217.2
85.3	224.9	-	-	222.7	-	-	216.1	-	-	209.4	-	-	200.6
91.9	205.0	-	-	202.8	-	-	200.6	-	-	194.0	-	-	186.3
95.1	190.1*	159.8	-	194.0	-	-	192.4	-	-	187.9	-	-	179.7
98.4	181.9*	153.2	-	185.2	-	-	184.1	-	-	181.9	-	-	173.1
101.7	-	147.2	-	178.0	143.3	-	176.9	-	-	175.0	-	-	167.6
111.5	-	129.0	-	156.5	125.7	-	155.4	123.5	-	154.3	-	-	151.0
118.1	-	119.6	-	140.0*	116.7	-	144.4	114.5	-	143.3	112.4	-	140.5
124.7	-	110.2	-	-	107.8	-	133.4	105.8	-	132.3	104.5	-	130.1
128.0	-	107.4	-	-	103.8	-	129.0	102.3	-	128.1	101.0	-	125.7
134.5	-	-	79.4	-	97.1	-	116.6*	95.2	-	119.9	93.9	-	116.8
137.8	-	-	76.5	-	93.7	-	112.4*	91.7	-	115.7	90.4	-	112.4
147.6	-	-	69.1	-	85.3	64.4	-	83.3	-	105.6	81.6	-	102.7
150.9	-	-	66.6	-	-	62.2	-	80.5	-	98.3*	78.7	-	99.4
154.2	-	-	64.6	-	-	60.2	-	78.1	-	95.7*	76.3	-	96.7
157.5	-	-	62.6	-	-	58.3	-	75.7	55.3	-	74.0	-	93.9
164.0	-	-	-	-	-	54.5	-	71.0	51.6	-	69.2	-	88.4
167.3	-	-	-	-	-	52.9	-	69.0	49.8	-	67.2	47.8	86.0
173.9	-	-	-	-	-	49.8	-	-	46.5	-	63.3	44.6	77.8*
177.2	-	-	-	-	-	48.3	-	-	45.0	-	61.3	43.0	-
180.4	-	-	-	-	-	-	-	-	43.7	-	59.7	41.6	-
187.0	-	-	-	-	-	-	-	-	41.0	-	56.4	38.9	-
190.3	-	-	-	-	-	-	-	-	39.7	-	-	37.5	-
196.9	-	-	-	-	-	-	-	-	37.7	-	-	35.3	-
203.4	-	-	-	-	-	-	-	-	-	-	-	33.1	-
216.5	-	-	-	-	-	-	-	-	-	-	-	29.5	-
229.7	-	-	-	-	-	-	-	-	-	-	-	-	24.5
232.9	-	-	-	-	-	-	-	-	-	-	-	-	21.4
													20.7

* 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

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°		75%		
177.2 ft		177.2 ft			196.9 ft			216.5 ft			236.2 ft	
SW_1		87°			75°			65°			65°	
ft	1,000 lb											
62.3	260.1	-	-	-	-	-	-	-	-	-	-	-
65.6	249.1	-	-	240.3	-	-	-	-	-	-	-	-
72.2	227.1	-	-	220.5	-	-	208.3	-	-	-	-	-
75.5	218.3	-	-	211.6	-	-	202.3	-	-	181.9	-	-
78.7	209.4	-	-	202.8	-	-	196.2	-	-	179.7	-	-
85.3	194.0	-	-	187.4	-	-	180.8	-	-	174.2	-	-
91.9	179.7	-	-	173.1	-	-	167.6	-	-	162.0	-	-
98.4	167.6	-	-	162.0	-	-	156.5	-	-	149.9	-	-
111.5	146.6	-	-	141.1	-	-	136.7	-	-	131.2	-	-
124.7	130.1	-	-	124.6	-	-	121.3	-	-	115.7	-	-
134.5	116.8	89.5	-	114.6	-	-	111.2	-	-	106.2	-	-
137.8	112.4	86.2	-	111.3	-	-	107.8	-	-	103.0	-	-
144.4	105.8	80.2	-	104.4	77.2	-	102.0	-	-	97.4	-	-
150.9	99.2	74.3	-	97.4	71.4	-	96.1	68.8	-	91.9	-	-
160.8	90.8	66.8	-	88.8	64.2	-	87.5	62.0	-	84.8	58.0	-
164.0	88.0	64.6	-	86.0	61.7	-	84.7	59.7	-	82.5	56.2	-
177.2	78.5	56.4	-	76.5	53.8	-	75.2	51.8	-	73.9	49.8	-
190.3	67.5*	49.6	32.2	68.6	47.0	-	67.0	45.0	-	65.7	43.0	-
193.6	65.7*	48.2	31.0	66.9	45.5	-	65.3	43.4	-	64.0	41.5	-
203.4	-	43.9	27.6	61.7	41.0	24.5	60.2	39.0	-	58.9	37.0	-
213.3	-	40.2	24.6	54.2*	37.4	21.3	55.9	35.2	19.2	54.0	33.2	-
216.5	-	39.0	23.6	-	36.2	20.3	54.5	34.0	18.1	52.5	32.0	-
223.1	-	36.8	21.8	-	34.0	18.6	51.7	31.9	16.4	49.7	29.8	13.9
229.7	-	-	20.1	-	31.7	17.0	45.6*	29.8	14.8	47.0	27.6	12.3
232.9	-	-	19.3	-	30.9	16.2	44.5*	28.8	14.0	45.7	26.6	11.6
242.8	-	-	17.2	-	28.2	13.9	-	26.0	11.7	42.1	23.6	9.3
249.3	-	-	15.9	-	-	12.6	-	24.3	10.4	36.8*	21.9	-
252.6	-	-	15.2	-	-	11.9	-	23.5	9.7	-	21.1	-
255.9	-	-	-	-	-	11.2	-	22.7	9.0	-	20.3	-
262.5	-	-	-	-	-	10.3	-	21.2	-	-	18.7	-
269.0	-	-	-	-	-	9.3	-	-	-	-	17.2	-
282.2	-	-	-	-	-	-	-	-	-	-	14.8	-

* 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

452,000 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%					
177.2 ft		255.9 ft		275.6 ft		295.3 ft		315.0 ft					
SW_1		87°		75°		65°		87°		75°		65°	
ft	1,000 lb												
78.7	153.2	-	-	-	-	-	-	-	-	-	-	-	-
85.3	152.1	-	-	132.3	-	-	-	-	-	-	-	-	-
88.6	151.0	-	-	131.7	-	-	113.5	-	-	-	-	-	-
91.9	149.9	-	-	131.2	-	-	112.4	-	-	97.7	-	-	-
98.4	144.4	-	-	130.1	-	-	111.3	-	-	96.8	-	-	-
111.5	126.8	-	-	121.3	-	-	110.0	-	-	95.0	-	-	-
124.7	111.3	-	-	106.3	-	-	102.3	-	-	93.0	-	-	-
137.8	98.8	-	-	93.9	-	-	89.9	-	-	85.3	-	-	-
150.9	88.0	-	-	83.3	-	-	79.6	-	-	75.2	-	-	-
164.0	78.7	-	-	74.3	-	-	70.8	-	-	66.4	-	-	-
167.3	76.7	50.7	-	72.3	-	-	68.8	-	-	64.5	-	-	-
177.2	70.8	46.1	-	66.4	41.4	-	63.1	-	-	58.9	-	-	-
183.7	67.2	43.2	-	62.8	38.7	-	59.6	35.1	-	55.4	-	-	-
190.3	63.7	40.3	-	59.5	35.9	-	56.2	32.4	-	52.0	-	-	-
193.6	62.2	39.0	-	58.0	34.7	-	54.7	31.3	-	50.5	26.9	-	-
203.4	57.3	35.1	-	53.4	31.1	-	50.3	27.8	-	46.1	23.6	-	-
216.5	50.7	30.0	-	47.8	26.7	-	44.8	23.6	-	41.0	19.4	-	-
229.7	45.2	25.6	-	42.3	22.3	-	40.1	19.8	-	36.2	15.7	-	-
242.8	40.1	21.6	-	37.3	18.3	-	35.7	16.5	-	32.0	12.3	-	-
255.9	35.9	18.3	-	32.8	15.0	-	31.3	13.2	-	28.0	9.5	-	-
269.0	29.1*	15.2	-	28.9	11.9	-	27.3	10.1	-	24.7	-	-	-
272.3	-	14.6	-	28.1	11.2	-	26.5	9.5	-	23.9	-	-	-
282.2	-	12.6	-	25.6	9.0	-	23.8	-	-	21.4	-	-	-
288.7	-	11.4	-	21.4*	-	-	22.3	-	-	20.0	-	-	-
295.3	-	10.1	-	-	-	-	20.7	-	-	18.5	-	-	-
298.6	-	9.5	-	-	-	-	20.0	-	-	17.8	-	-	-
308.4	-	-	-	-	-	-	15.4*	-	-	15.7	-	-	-
321.5	-	-	-	-	-	-	-	-	-	13.0	-	-	-
324.8	-	-	-	-	-	-	-	-	-	9.9*	-	-	-

* 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

452,000 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%			
196.9 ft											
78.7 ft		98.4 ft			118.1 ft			137.8 ft		157.5 ft	
SW_1											
87°		75°		65°		87°		75°		65°	
1,000 lb											
42.7	423.3	-	-	-	-	-	-	-	-	-	-
45.9	396.8	-	-	381.4	-	-	-	-	-	-	-
49.2	372.6	-	-	359.4	-	-	343.9	-	-	-	-
52.5	352.7	-	-	339.5	-	-	326.3	-	-	-	-
55.8	332.9	-	-	321.9	-	-	308.6	-	-	299.8	-
59.1	317.5	-	-	304.2	-	-	293.2	-	-	284.4	-
65.6	286.6	-	-	277.8	-	-	266.8	-	-	257.9	-
72.2	262.4	-	-	253.5	-	-	244.7	-	-	235.9	-
78.7	242.5	-	-	233.7	-	-	224.9	-	-	218.3	-
85.3	224.9	-	-	217.2	-	-	208.3	-	-	201.7	-
91.9	203.9	-	-	200.6	-	-	194.0	-	-	188.5	-
98.4	178.6*	146.6	-	183.0	-	-	180.8	-	-	175.3	-
108.3	-	128.4	-	162.3	124.6	-	160.1	-	-	158.7	-
111.5	-	122.4	-	155.4	119.0	-	153.2	-	-	153.2	-
114.8	-	118.1	-	143.3*	114.8	-	148.0	112.4	-	147.7	-
118.1	-	113.8	-	137.8*	110.6	-	142.7	108.4	-	142.2	-
124.7	-	105.6	-	-	102.1	-	132.3	100.3	-	131.2	98.8
134.5	-	95.0	-	-	91.8	-	114.4*	89.7	-	118.8	88.2
137.8	-	-	-	-	88.4	-	110.2*	86.2	-	114.6	84.7
144.4	-	-	62.2	-	82.9	-	-	80.6	-	108.0	78.9
150.9	-	-	58.0	-	77.4	-	-	75.0	-	101.4	73.2
154.2	-	-	56.2	-	75.2	51.4	-	72.7	-	94.0*	70.8
157.5	-	-	54.3	-	-	49.6	-	70.4	-	91.3*	68.3
164.0	-	-	50.7	-	-	46.1	-	65.9	-	-	63.9
167.3	-	-	49.2	-	-	44.6	-	63.9	41.9	-	62.1
170.6	-	-	-	-	-	43.2	-	61.9	40.4	-	60.2
177.2	-	-	-	-	-	40.3	-	-	37.5	-	56.4
187.0	-	-	-	-	-	37.0	-	-	33.8	-	51.8
190.3	-	-	-	-	-	-	-	-	32.6	-	50.3
203.4	-	-	-	-	-	-	-	-	28.7	-	26.2
210.0	-	-	-	-	-	-	-	-	-	-	24.6
216.5	-	-	-	-	-	-	-	-	-	-	22.9
223.1	-	-	-	-	-	-	-	-	-	-	21.6
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

452,000 lb + 110,200 lb		27.6 ft			32.2 ft/s			360°		75%			
196.9 ft													
		177.2 ft			196.9 ft			216.5 ft			236.2 ft		
SW_1													
		87°		75°		65°		87°		75°		65°	
1,000 lb													
ft													
62.3	251.3	-	-	-	-	-	-	-	-	-	-	-	-
65.6	240.3	-	-	222.7	-	-	-	-	-	-	-	-	-
72.2	219.4	-	-	211.6	-	-	192.9	-	-	-	-	-	-
75.5	210.5	-	-	203.4	-	-	190.7	-	-	168.7	-	-	-
78.7	201.7	-	-	195.1	-	-	188.5	-	-	167.6	-	-	-
85.3	187.4	-	-	180.8	-	-	174.2	-	-	165.3	-	-	-
91.9	174.2	-	-	167.6	-	-	162.0	-	-	155.4	-	-	-
98.4	162.0	-	-	156.5	-	-	151.0	-	-	144.4	-	-	-
111.5	142.2	-	-	136.7	-	-	132.3	-	-	126.8	-	-	-
124.7	125.7	-	-	121.3	-	-	116.8	-	-	111.3	-	-	-
137.8	111.3	-	-	108.2	-	-	104.3	-	-	99.2	-	-	-
141.1	108.1	76.9	-	105.3	-	-	101.6	-	-	96.5	-	-	-
150.9	98.3	69.0	-	96.6	65.7	-	93.5	-	-	88.6	-	-	-
157.5	92.7	64.3	-	90.8	61.3	-	88.6	58.0	-	84.1	-	-	-
164.0	87.1	59.5	-	85.1	56.9	-	84.0	54.5	-	79.6	-	-	-
167.3	84.8	57.6	-	82.7	55.0	-	81.6	52.6	-	77.6	48.1	-	-
177.2	77.8	51.8	-	75.8	49.2	-	74.5	47.2	-	71.7	43.7	-	-
190.3	66.1*	45.4	-	67.7	42.5	-	66.4	40.6	-	64.8	38.4	-	-
193.6	64.4*	44.0	-	66.0	41.2	-	64.7	39.2	-	63.2	37.0	-	-
200.1	-	41.2	22.0	62.7	38.4	-	61.2	36.4	-	59.9	34.4	-	-
203.4	-	39.9	20.9	61.1	37.0	-	59.5	35.1	-	58.2	33.1	-	-
210.0	-	37.5	19.2	54.4*	34.6	15.9	56.5	32.6	-	55.0	30.6	-	-
213.3	-	36.3	18.3	52.9*	33.4	15.0	55.1	31.4	-	53.4	29.4	-	-
216.5	-	35.1	17.4	-	32.2	14.1	53.6	30.2	-	51.8	28.2	-	-
229.7	-	31.1	14.1	-	28.0	11.0	44.5*	26.0	-	46.3	24.0	-	-
232.9	-	-	13.4	-	27.1	10.4	43.2*	25.1	-	45.1	23.1	-	-
239.5	-	-	12.1	-	25.4	9.0	-	23.4	-	42.7	21.2	-	-
242.8	-	-	11.5	-	24.7	-	-	22.5	-	41.4	20.3	-	-
249.3	-	-	10.4	-	23.1	-	-	20.9	-	35.7*	18.6	-	-
252.6	-	-	9.8	-	-	-	-	20.2	-	34.8*	17.8	-	-
255.9	-	-	9.3	-	-	-	-	19.4	-	-	17.0	-	-
265.7	-	-	-	-	-	-	-	17.2	-	-	14.8	-	-
269.0	-	-	-	-	-	-	-	-	-	-	14.1	-	-
282.2	-	-	-	-	-	-	-	-	-	-	11.7	-	-
285.4	-	-	-	-	-	-	-	-	-	-	11.2	-	-

* 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

452,000 lb +  110,200 lb		 27.6 ft		 32.2 ft/s		360°		75%				
196.9 ft												
SW_1												
1,000 lb												
ft	255.9 ft			275.6 ft			295.3 ft			315.0 ft		
	87°	75°	65°	87°	75°	65°	87°	75°	65°	87°	75°	65°
82.0	142.2	-	-	-	-	-	-	-	-	-	-	-
85.3	141.1	-	-	123.5	-	-	-	-	-	-	-	-
88.6	140.5	-	-	122.9	-	-	106.3	-	-	-	-	-
91.9	140.0	-	-	122.4	-	-	105.6	-	-	-	-	-
95.1	138.9	-	-	121.8	-	-	105.2	-	-	90.8	-	-
98.4	137.8	-	-	121.3	-	-	104.7	-	-	90.4	-	-
111.5	121.3	-	-	115.7	-	-	102.5	-	-	88.8	-	-
124.7	107.4	-	-	102.3	-	-	98.1	-	-	86.9	-	-
137.8	95.0	-	-	90.2	-	-	86.4	-	-	81.6	-	-
150.9	84.7	-	-	80.0	-	-	76.3	-	-	71.9	-	-
164.0	75.6	-	-	71.2	-	-	67.7	-	-	63.5	-	-
173.9	69.8	41.2	-	65.6	-	-	62.0	-	-	57.9	-	-
177.2	67.9	39.9	-	63.7	-	-	60.2	-	-	56.0	-	-
183.7	64.5	37.3	-	60.3	32.6	-	56.9	-	-	52.8	-	-
190.3	61.1	34.6	-	56.9	30.2	-	53.6	26.7	-	49.6	-	-
200.1	56.6	31.3	-	52.6	26.9	-	49.3	23.4	-	45.3	19.0	-
203.4	55.1	30.2	-	51.1	25.8	-	47.8	22.3	-	43.9	18.1	-
216.5	49.8	26.0	-	45.9	21.8	-	42.5	18.5	-	38.8	14.3	-
229.7	44.5	22.0	-	41.0	18.3	-	37.9	15.0	-	34.2	10.8	-
236.2	42.0	20.2	-	38.8	16.5	-	35.8	13.4	-	32.1	9.3	-
242.8	39.5	18.3	-	36.6	14.8	-	33.7	11.9	-	30.0	-	-
255.9	35.3	15.0	-	32.2	11.7	-	30.0	9.0	-	26.2	-	-
265.7	32.4	12.8	-	29.4	9.5	-	27.5	-	-	23.8	-	-
269.0	28.2*	12.1	-	28.4	-	-	26.7	-	-	22.9	-	-
272.3	27.3*	11.5	-	27.6	-	-	25.9	-	-	22.2	-	-
282.2	-	9.5	-	24.9	-	-	23.4	-	-	19.8	-	-
285.4	-	8.8	-	21.1*	-	-	22.6	-	-	19.1	-	-
288.7	-	-	-	20.3*	-	-	21.8	-	-	18.4	-	-
295.3	-	-	-	-	-	-	20.3	-	-	17.0	-	-
308.4	-	-	-	-	-	-	14.3*	-	-	14.3	-	-
321.5	-	-	-	-	-	-	-	-	-	12.1	-	-




* 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

452,000 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%			
216.5 ft											
78.7 ft		98.4 ft			118.1 ft			137.8 ft		157.5 ft	
SW_1											
87°		75°		65°		87°		75°		65°	
1,000 lb											
42.7	405.7	-	-	-	-	-	-	-	-	-	-
45.9	379.2	-	-	-	-	-	-	-	-	-	-
49.2	357.1	-	-	343.9	-	-	-	-	-	-	-
52.5	339.5	-	-	326.3	-	-	313.1	-	-	-	-
55.8	319.7	-	-	308.6	-	-	297.6	-	-	286.6	-
59.1	304.2	-	-	293.2	-	-	282.2	-	-	273.4	-
65.6	277.8	-	-	266.8	-	-	257.9	-	-	249.1	-
72.2	253.5	-	-	244.7	-	-	235.9	-	-	229.3	-
78.7	233.7	-	-	224.9	-	-	217.2	-	-	210.5	-
85.3	218.3	-	-	209.4	-	-	201.7	-	-	195.1	-
91.9	201.7	-	-	195.1	-	-	187.4	-	-	181.9	-
98.4	176.4*	-	-	181.9	-	-	175.3	-	-	169.8	-
101.7	168.7*	-	-	174.7	-	-	169.5	-	-	164.8	-
105.0	-	127.9	-	167.6	-	-	163.7	-	-	159.8	-
111.5	-	116.8	-	153.2	-	-	152.1	-	-	149.9	-
114.8	-	112.7	-	141.5*	109.1	-	146.9	-	-	145.0	-
121.4	-	104.4	-	131.2*	100.6	-	136.4	98.3	-	135.0	-
124.7	-	100.3	-	-	96.3	-	131.2	94.4	-	130.1	-
131.2	-	93.6	-	-	89.5	-	122.4	87.5	-	121.8	85.5
137.8	-	86.9	-	-	82.7	-	109.1*	80.7	-	113.5	79.1
141.1	-	-	-	-	80.0	-	105.6*	77.8	-	110.2	76.1
150.9	-	-	-	-	72.1	-	-	69.7	-	100.3	68.1
154.2	-	-	48.1	-	69.7	-	-	67.5	-	92.3*	65.9
157.5	-	-	46.4	-	67.7	-	-	65.3	-	89.5*	63.7
164.0	-	-	43.2	-	-	38.6	-	60.8	-	-	59.3
173.9	-	-	39.0	-	-	34.6	-	55.7	-	-	53.8
177.2	-	-	-	-	-	33.3	-	54.0	30.6	-	52.0
187.0	-	-	-	-	-	29.9	-	-	27.2	-	47.4
190.3	-	-	-	-	-	28.9	-	-	26.0	-	45.9
193.6	-	-	-	-	-	28.0	-	-	25.1	-	44.6
196.9	-	-	-	-	-	-	-	-	24.1	-	43.4
203.4	-	-	-	-	-	-	-	-	22.3	-	20.1
213.3	-	-	-	-	-	-	-	-	20.1	-	17.6
216.5	-	-	-	-	-	-	-	-	-	-	17.0
229.7	-	-	-	-	-	-	-	-	-	-	14.6
232.9	-	-	-	-	-	-	-	-	-	-	14.1




* 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

452,000 lb +  110,200 lb		 27.6 ft		 32.2 ft/s		360°		75%		
216.5 ft										
SW_1										
1,000 lb										
ft	177.2 ft		196.9 ft			216.5 ft			236.2 ft	
	87°	75°	65°	87°	75°	65°	87°	75°	65°	
65.6	224.9	-	-	-	-	-	-	-	-	
68.9	218.3	-	-	198.4	-	-	-	-	-	
72.2	211.6	-	-	196.2	-	-	173.1	-	-	
78.7	195.1	-	-	188.5	-	-	169.8	-	147.7	
85.3	180.8	-	-	174.2	-	-	167.6	-	145.5	
91.9	167.6	-	-	162.0	-	-	156.5	-	143.3	
98.4	156.5	-	-	151.0	-	-	145.5	-	140.0	
111.5	137.8	-	-	132.3	-	-	127.9	-	122.4	
124.7	122.4	-	-	116.8	-	-	112.4	-	107.8	
137.8	109.6	-	-	104.7	-	-	100.8	-	95.7	
147.6	100.5	65.9	-	96.6	-	-	92.6	-	88.1	
150.9	97.4	63.9	-	93.9	-	-	90.2	-	85.5	
157.5	91.8	59.5	-	89.3	55.6	-	85.6	-	81.1	
164.0	86.2	55.1	-	84.4	52.2	-	81.1	48.5	76.7	
173.9	79.1	49.5	-	77.3	46.6	-	75.3	44.2	70.9	
177.2	76.9	47.6	-	75.0	44.8	-	73.4	42.8	69.0	
190.3	69.2	41.2	-	67.0	38.6	-	65.7	36.6	62.4	
196.9	61.5*	38.6	-	63.6	35.9	-	62.3	34.0	59.3	
203.4	-	35.9	-	60.2	33.3	-	58.9	31.3	56.4	
210.0	-	33.7	13.2	53.1*	31.0	-	55.8	29.0	53.8	
216.5	-	31.5	11.7	50.3*	28.7	-	52.7	26.7	51.1	
226.4	-	28.5	9.5	-	25.7	-	48.7	23.7	46.8	
229.7	-	27.6	-	-	24.7	-	43.2*	22.7	45.4	
232.9	-	26.9	-	-	23.9	-	42.1*	21.8	44.3	
236.2	-	-	-	-	23.0	-	41.0*	20.9	43.1	
242.8	-	-	-	-	21.4	-	-	19.2	40.8	
252.6	-	-	-	-	19.2	-	-	16.9	33.7*	
255.9	-	-	-	-	-	-	-	16.1	-	
269.0	-	-	-	-	-	-	-	13.7	-	
272.3	-	-	-	-	-	-	-	13.0	-	
282.2	-	-	-	-	-	-	-	-	8.8	

* 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

452,000 lb +  110,200 lb		 27.6 ft		 32.2 ft/s		360°		75%		
216.5 ft										
SW_1										
1,000 lb										
ft	255.9 ft		275.6 ft			295.3 ft			315.0 ft	
	87°	75°	65°	87°	75°	65°	87°	75°	65°	
82.0	127.9	-	-	-	-	-	-	-	-	
85.3	126.8	-	-	110.2	-	-	-	-	-	
91.9	125.7	-	-	110.0	-	-	95.0	-	-	
95.1	124.6	-	-	109.3	-	-	94.5	-	81.4	
98.4	123.5	-	-	108.7	-	-	93.9	-	80.9	
111.5	116.8	-	-	106.0	-	-	91.9	-	79.4	
124.7	103.4	-	-	98.3	-	-	89.3	-	77.4	
137.8	91.5	-	-	86.9	-	-	82.9	-	75.4	
150.9	81.6	-	-	76.9	-	-	73.2	-	68.8	
164.0	73.0	-	-	68.3	-	-	65.0	-	60.6	
177.2	65.5	-	-	61.1	-	-	57.5	-	53.4	
180.4	63.7	33.1	-	59.5	-	-	55.9	-	51.8	
190.3	58.6	29.5	-	54.7	24.9	-	51.1	-	47.2	
196.9	55.8	27.3	-	51.7	22.8	-	48.4	19.4	44.4	
203.4	52.9	25.1	-	48.7	20.7	-	45.6	17.4	41.7	
206.7	51.6	24.2	-	47.5	19.8	-	44.3	16.5	40.4	
216.5	47.8	21.4	-	43.7	17.2	-	40.6	13.9	36.6	
229.7	43.2	18.1	-	39.2	13.9	-	36.2	10.6	32.2	
236.2	41.0	16.5	-	37.1	12.3	-	34.1	9.0	30.2	
242.8	38.8	15.0	-	35.1	10.8	-	32.0	-	28.2	
249.3	36.7	13.4	-	33.2	9.5	-	30.1	-	26.2	
255.9	34.6	11.9	-	31.3	-	-	28.2	-	24.5	
269.0	27.1*	9.3	-	27.8	-	-	24.9	-	21.2	
272.3	26.2*	-	-	27.0	-	-	24.2	-	20.4	
282.2	-	-	-	24.5	-	-	22.0	-	18.3	
292.0	-	-	-	18.5*	-	-	19.9	-	16.1	
295.3	-	-	-	-	-	-	19.2	-	15.4	
308.4	-	-	-	-	-	-	13.2*	-	13.0	
311.7	-	-	-	-	-	-	12.8*	-	12.5	
321.5	-	-	-	-	-	-	-	-	10.8	

* 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

452,000 lb + 110,200 lb 27.6 ft 32.2 ft/s 360° 75%

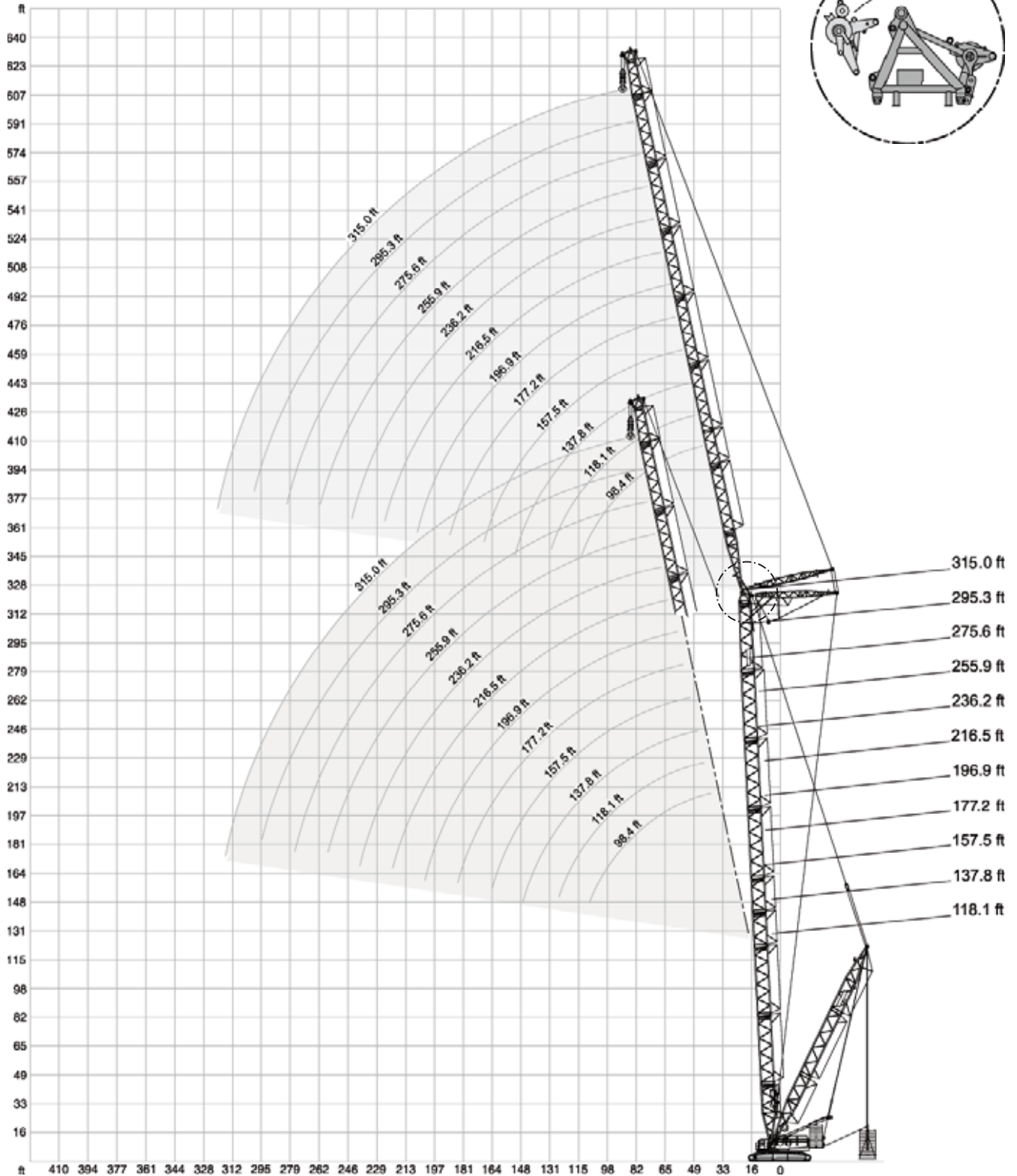
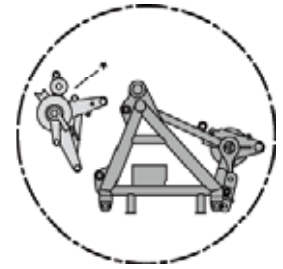
236.2 ft

ft	137.8 ft			157.5 ft			SW_1					
	87°	75°	65°	87°	75°	65°						
	1,000 lb											
59.1	262.4	-	-	-	-	-	-	-	-	-	-	-
62.3	251.3	-	-	231.5	-	-	-	-	-	-	-	-
65.6	240.3	-	-	229.3	-	-	-	-	-	-	-	-
72.2	220.5	-	-	210.5	-	-	-	-	-	-	-	-
78.7	202.8	-	-	194.0	-	-	-	-	-	-	-	-
85.3	188.5	-	-	179.7	-	-	-	-	-	-	-	-
91.9	175.3	-	-	167.6	-	-	-	-	-	-	-	-
98.4	164.2	-	-	156.5	-	-	-	-	-	-	-	-
111.5	144.4	-	-	137.8	-	-	-	-	-	-	-	-
124.7	129.0	-	-	122.4	-	-	-	-	-	-	-	-
137.8	112.4	72.5	-	109.8	-	-	-	-	-	-	-	-
144.4	105.7	67.2	-	103.0	62.8	-	-	-	-	-	-	-
150.9	99.0	61.9	-	96.1	58.0	-	-	-	-	-	-	-
160.8	85.3*	55.7	-	87.9	51.5	-	-	-	-	-	-	-
164.0	-	53.6	-	85.1	49.4	-	-	-	-	-	-	-
177.2	-	46.5	-	71.0*	42.5	-	-	-	-	-	-	-
180.4	-	45.1	-	69.2*	41.1	-	-	-	-	-	-	-
190.3	-	40.8	-	-	36.6	-	-	-	-	-	-	-
196.9	-	38.6	14.3	-	34.2	-	-	-	-	-	-	-
200.1	-	37.5	13.6	-	33.0	-	-	-	-	-	-	-
203.4	-	-	12.8	-	31.7	-	-	-	-	-	-	-
216.5	-	-	9.9	-	27.8	-	-	-	-	-	-	-
219.8	-	-	9.3	-	26.9	-	-	-	-	-	-	-

ft	177.2 ft			196.9 ft			216.5 ft					
	87°	75°	65°	87°	75°	65°	87°	75°	65°			
	1,000 lb											
65.6	205.0	-	-	-	-	-	-	-	-	-	-	-
68.9	202.8	-	-	179.7	-	-	-	-	-	-	-	-
72.2	200.6	-	-	178.6	-	-	-	-	-	-	-	-
75.5	194.0	-	-	176.9	-	-	153.2	-	-	-	-	-
78.7	187.4	-	-	175.3	-	-	152.1	-	-	-	-	-
85.3	174.2	-	-	167.6	-	-	149.9	-	-	-	-	-
91.9	162.0	-	-	155.4	-	-	146.6	-	-	-	-	-
98.4	151.0	-	-	145.5	-	-	140.0	-	-	-	-	-
111.5	132.3	-	-	126.8	-	-	122.4	-	-	-	-	-
124.7	117.9	-	-	112.4	-	-	108.7	-	-	-	-	-
137.8	105.6	-	-	100.8	-	-	96.8	-	-	-	-	-
150.9	95.2	-	-	90.6	-	-	86.9	-	-	-	-	-
154.2	92.8	54.7	-	88.4	-	-	84.7	-	-	-	-	-
160.8	87.8	51.1	-	84.0	46.7	-	80.2	-	-	-	-	-
164.0	85.3	49.4	-	81.8	45.2	-	78.0	-	-	-	-	-
170.6	80.7	46.0	-	77.9	42.4	-	74.3	38.8	-	-	-	-
177.2	76.1	42.5	-	74.1	39.7	-	70.5	36.4	-	-	-	-
190.3	68.3	36.6	-	66.1	33.7	-	63.9	31.7	-	-	-	-
196.9	60.2*	34.1	-	62.8	31.2	-	61.0	29.2	-	-	-	-
203.4	-	31.5	-	59.5	28.7	-	58.0	26.7	-	-	-	-
216.5	-	27.1	-	48.7*	24.3	-	51.8	22.3	-	-	-	-
229.7	-	23.6	-	-	20.5	-	46.5	18.5	-	-	-	-
236.2	-	22.0	-	-	19.0	-	39.5*	17.0	-	-	-	-
239.5	-	21.2	-	-	18.2	-	-	16.2	-	-	-	-
242.8	-	-	-	-	17.4	-	-	15.4	-	-	-	-
255.9	-	-	-	-	14.8	-	-	12.6	-	-	-	-
259.2	-	-	-	-	14.1	-	-	12.0	-	-	-	-
269.0	-	-	-	-	-	-	-	10.1	-	-	-	-
275.6	-	-	-	-	-	-	-	9.0	-	-	-	-

* 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



* Attachable

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

118.1 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
78.7	-	-	765.0	-	-	-
85.3	-	-	714.3	-	-	712.1
88.6	-	-	688.9	-	-	684.5
91.9	-	-	663.6	-	-	657.0
98.4	-	-	617.3	-	-	608.5
108.3	-	-	524.7	546.7	-	546.7
111.5	-	-	493.8	529.1	-	526.2
114.8	-	-	451.9	513.1	-	505.6
124.7	-	-	-	465.2	-	451.2
134.5	-	-	-	427.7	-	400.5
137.8	-	-	-	-	383.6	383.6
150.9	-	-	-	-	346.1	333.6
164.0	-	-	-	-	-	285.9
177.2	-	-	-	-	-	246.9
187.0	-	-	-	-	-	215.0

118.1 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
128.0	-	-	306.4	-	-	-
137.8	-	-	306.4	-	-	-
150.9	-	-	306.4	-	-	308.6
164.0	-	-	288.8	-	-	299.8
173.9	-	-	264.0	264.6	-	293.2
177.2	-	-	255.7	264.6	-	291.0
190.3	-	-	224.9	264.6	-	266.0
203.4	-	-	198.4	242.5	-	241.0
206.7	-	-	192.4	236.4	-	234.8
216.5	-	-	174.2	218.3	-	216.1
219.8	-	-	167.6	212.5	208.3	210.4
226.4	-	-	154.3	200.9	200.6	200.6
229.7	-	-	-	195.1	197.3	196.2
242.8	-	-	-	170.9	184.1	177.5
246.1	-	-	-	164.2	181.3	172.5
255.9	-	-	-	-	173.1	157.6
265.7	-	-	-	-	165.3	144.7
269.0	-	-	-	-	-	141.6
282.2	-	-	-	-	-	126.7
295.3	-	-	-	-	-	110.2
298.6	-	-	-	-	-	108.5

118.1 ft + 118.1 ft


ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
95.1	-	-	632.7	-	-	-
98.4	-	-	610.7	-	-	-
111.5	-	-	535.7	-	-	537.9
124.7	-	-	445.3	-	-	469.6
128.0	-	-	425.5	-	-	454.2
131.2	-	-	405.7	434.3	-	438.7
137.8	-	-	366.0	410.1	-	407.9
150.9	-	-	295.4	368.2	-	357.9
164.0	-	-	-	335.1	306.4	312.3
170.6	-	-	-	310.9	293.2	293.9
177.2	-	-	-	-	280.0	277.8
190.3	-	-	-	-	257.9	242.5
203.4	-	-	-	-	-	209.4
216.5	-	-	-	-	-	185.2
223.1	-	-	-	-	-	169.8

118.1 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
144.4	-	-	213.8	-	-	-
150.9	-	-	213.8	-	-	-
164.0	-	-	212.7	-	-	213.1
177.2	-	-	211.6	-	-	207.2
190.3	-	-	209.4	-	-	202.1
196.9	-	-	207.8	180.8	-	199.5
203.4	-	-	206.1	180.8	-	195.8
216.5	-	-	185.2	180.8	-	190.7
229.7	-	-	165.3	180.8	-	184.8
239.5	-	-	152.1	179.1	-	179.7
242.8	-	-	147.7	178.6	-	177.5
246.1	-	-	143.3	174.7	154.3	175.3
255.9	-	-	130.1	163.1	154.3	168.7
265.7	-	-	116.8	149.9	154.3	157.6
269.0	-	-	-	145.5	154.3	153.6
282.2	-	-	-	129.0	147.7	137.8
285.4	-	-	-	124.6	145.5	133.9
295.3	-	-	-	-	138.9	122.4
301.8	-	-	-	-	133.4	116.6
308.4	-	-	-	-	-	110.9
321.5	-	-	-	-	-	98.0
334.6	-	-	-	-	-	88.0
337.9	-	-	-	-	-	84.2

118.1 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
108.3	-	-	447.5	-	-	-
111.5	-	-	447.5	-	-	-
124.7	-	-	445.3	-	-	443.9
137.8	-	-	383.6	-	-	418.9
150.9	-	-	330.7	-	-	374.8
154.2	-	-	320.2	357.1	-	363.8
164.0	-	-	288.8	332.9	-	332.2
170.6	-	-	267.9	317.5	-	311.6
177.2	-	-	246.9	302.0	-	291.0
190.3	-	-	208.3	275.6	-	258.7
193.6	-	-	-	266.2	246.9	250.6
203.4	-	-	-	238.1	233.7	231.1
210.0	-	-	-	219.4	225.4	219.7
216.5	-	-	-	-	217.2	208.3
226.4	-	-	-	-	206.1	189.6
229.7	-	-	-	-	-	183.4
242.8	-	-	-	-	-	162.0
255.9	-	-	-	-	-	142.2
262.5	-	-	-	-	-	133.4


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%	
118.1 ft + 275.6 ft						118.1 ft + 315.0 ft					
SWSL-1						SWSL-1					
0 lb						0 lb - 716,600 lb					
85°						87/85°					
75°						65°					
55°						15°					
1,000 lb											
160.8	-	-	146.6	-	-	-	-	-	-	-	-
164.0	-	-	146.6	-	-	-	-	-	-	-	-
177.2	-	-	145.5	-	-	-	-	-	-	-	-
190.3	-	-	144.4	-	-	-	-	-	-	-	-
203.4	-	-	143.3	-	-	-	-	-	-	-	142.9
216.5	-	-	141.1	-	-	-	-	-	-	-	139.3
219.8	-	-	140.8	121.3	-	-	-	-	-	-	135.6
229.7	-	-	140.0	121.3	-	-	-	-	-	-	134.5
242.8	-	-	138.9	121.3	-	-	-	-	-	-	131.2
255.9	-	-	136.7	121.3	-	-	-	-	-	-	127.1
269.0	-	-	123.5	121.3	-	-	-	-	-	-	123.5
275.6	-	-	116.8	121.3	104.9	-	-	-	-	-	120.8
278.9	-	-	113.5	121.3	104.9	119.0	-	-	-	-	119.0
282.2	-	-	110.2	121.3	104.9	118.3	-	-	-	-	118.3
295.3	-	-	97.9	121.3	104.9	117.6	-	-	-	-	117.6
305.1	-	-	87.5	113.0	104.9	114.6	-	-	-	-	114.6
308.4	-	-	-	110.2	104.9	112.4	-	-	-	-	112.4
321.5	-	-	-	97.9	104.9	111.7	-	-	-	-	111.7
324.8	-	-	-	94.4	104.9	105.5	-	-	-	-	105.5
334.6	-	-	-	-	104.9	103.4	-	-	-	-	104.9
341.2	-	-	-	-	102.1	97.2	-	-	-	-	97.2
347.8	-	-	-	-	-	91.4	-	-	-	-	91.4
360.9	-	-	-	-	-	85.6	-	-	-	-	85.6
374.0	-	-	-	-	-	73.9	-	-	-	-	73.9
377.3	-	-	-	-	-	65.9	-	-	-	-	65.9
	-	-	-	-	-	62.8	-	-	-	-	62.8

1,000 lb											
177.2	-	-	102.5	-	-	-	-	-	-	-	-
190.3	-	-	101.6	-	-	-	-	-	-	-	-
203.4	-	-	100.8	-	-	-	-	-	-	-	101.0
216.5	-	-	99.6	-	-	-	-	-	-	-	97.9
229.7	-	-	98.3	-	-	-	-	-	-	-	95.1
242.8	-	-	97.2	83.6	-	-	-	-	-	-	92.2
255.9	-	-	96.1	83.6	-	-	-	-	-	-	89.3
269.0	-	-	94.8	83.6	-	-	-	-	-	-	86.5
282.2	-	-	93.9	83.6	-	-	-	-	-	-	83.8
295.3	-	-	93.3	83.6	-	-	-	-	-	-	81.4
301.8	-	-	92.8	83.6	70.1	-	-	-	-	-	80.1
308.4	-	-	92.4	83.6	70.1	78.9	-	-	-	-	78.9
318.2	-	-	85.8	83.6	70.1	77.1	-	-	-	-	77.1
321.5	-	-	83.6	83.6	70.1	76.6	-	-	-	-	76.6
334.6	-	-	73.6	83.6	70.1	74.5	-	-	-	-	74.5
341.2	-	-	68.1	83.6	70.1	73.7	-	-	-	-	73.7
347.8	-	-	-	83.6	70.1	72.9	-	-	-	-	72.9
360.9	-	-	-	74.1	70.1	71.4	-	-	-	-	71.4
374.0	-	-	-	-	70.1	70.1	-	-	-	-	70.1
380.6	-	-	-	-	70.1	66.7	-	-	-	-	66.7
387.1	-	-	-	-	-	63.2	-	-	-	-	63.2
400.3	-	-	-	-	-	55.4	-	-	-	-	55.4
413.4	-	-	-	-	-	48.1	-	-	-	-	48.1

0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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* Main boom angle 87°

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

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

137.8 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
36.1	-	765.0*	-	-	-	-
39.4	-	765.0*	-	-	-	-
45.9	434.3	765.0	-	-	-	-
52.5	381.4	765.0	-	-	-	765.0
59.1	341.7	765.0	-	-	-	765.0
65.6	306.4	765.0	-	-	-	765.0
72.2	280.0	729.7	-	-	-	765.0
78.7	249.1	641.5	-	-	-	765.0
82.0	235.9	596.4	734.1	-	-	736.3
85.3	222.7	551.2	707.7	-	-	707.7
88.6	212.7	510.4	681.2	-	-	680.1
91.9	202.8	469.6	654.8	-	-	652.6
95.1	194.0	427.7	632.7	-	-	628.3
98.4	-	-	610.7	-	-	604.1
111.5	-	-	537.9	-	-	529.1
118.1	-	-	469.6	491.6	-	491.6
124.7	-	-	-	465.2	-	464.4
137.8	-	-	-	416.7	-	410.1
141.1	-	-	-	405.7	-	397.9
150.9	-	-	-	-	363.8	361.6
164.0	-	-	-	-	330.7	313.8
177.2	-	-	-	-	-	271.2
190.3	-	-	-	-	-	234.4
203.4	-	-	-	-	-	205.0

137.8 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
55.8	-	449.7*	-	-	-	-
59.1	-	449.7*	-	-	-	-
65.6	264.6	454.2	-	-	-	-
72.2	240.3	454.2	-	-	-	-
78.7	220.5	451.9	-	-	-	443.1
85.3	203.9	449.7	-	-	-	443.1
91.9	189.6	445.3	-	-	-	443.1
98.4	176.4	440.9	-	-	-	443.1
111.5	151.0	416.7	-	-	-	436.5
114.8	145.5	400.1	421.1	-	-	436.5
124.7	129.0	350.5	421.1	-	-	429.9
137.8	112.4	297.6	414.5	-	-	416.7
150.9	99.0	253.5	352.7	-	-	372.6
164.0	88.0	213.8	302.0	328.5	-	333.6
167.3	85.6	203.4	291.6	321.9	-	325.2
170.6	83.3	192.9	281.1	314.5	-	316.7
177.2	-	-	260.1	299.8	-	299.8
190.3	-	-	220.5	275.6	-	273.4
193.6	-	-	210.5	270.6	-	266.8
203.4	-	-	-	255.7	-	248.4
206.7	-	-	-	246.9	242.5	242.5
216.5	-	-	-	220.5	229.3	224.9
229.7	-	-	-	-	213.8	199.2
239.5	-	-	-	-	202.8	181.0
242.8	-	-	-	-	-	176.8
255.9	-	-	-	-	-	158.7
269.0	-	-	-	-	-	138.2
278.9	-	-	-	-	-	126.8

137.8 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
45.9	-	643.8*	-	-	-	-
52.5	-	634.9*	-	-	-	-
55.8	332.9	654.8	-	-	-	-
59.1	315.3	652.6	-	-	-	-
65.6	284.4	646.0	-	-	-	628.3
72.2	260.1	630.5	-	-	-	623.9
78.7	238.1	617.3	-	-	-	621.7
85.3	219.4	588.6	-	-	-	617.3
91.9	199.5	533.5	-	-	-	615.1
98.4	181.9	478.4	604.1	-	-	608.5
111.5	153.2	388.0	531.3	-	-	533.5
124.7	132.3	313.1	471.8	-	-	468.1
128.0	127.9	294.3	451.4	-	-	454.2
131.2	123.5	275.6	431.0	-	-	440.2
137.8	-	-	390.2	-	-	412.3
141.1	-	-	372.6	399.0	-	401.2
150.9	-	-	319.7	368.2	-	368.2
157.5	-	-	282.2	351.6	-	346.1
164.0	-	-	-	335.1	-	329.2
177.2	-	-	-	306.4	295.4	295.4
180.4	-	-	-	297.6	288.8	287.0
190.3	-	-	-	-	271.2	261.6
200.1	-	-	-	-	255.7	237.2
203.4	-	-	-	-	-	229.6
216.5	-	-	-	-	-	206.1
229.7	-	-	-	-	-	178.2
239.5	-	-	-	-	-	163.1

137.8 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
65.6	-	321.9*	-	-	-	-
72.2	-	319.7*	-	-	-	-
75.5	216.1	321.9	-	-	-	-
78.7	206.1	321.9	-	-	-	-
85.3	190.7	319.7	-	-	-	-
91.9	176.4	319.7	-	-	-	317.5
98.4	164.2	317.5	-	-	-	317.5
111.5	143.3	313.1	-	-	-	314.5
124.7	125.7	308.6	-	-	-	310.9
131.2	117.8	305.3	293.2	-	-	308.6
137.8	110.0	302.0	293.2	-	-	306.4
150.9	96.3	266.8	291.0	-	-	299.1
164.0	85.1	231.5	291.0	-	-	289.5
177.2	75.8	202.8	271.2	-	-	282.2
183.7	71.9	189.6	253.5	249.1	-	274.8
190.3	67.9	176.4	235.9	249.1	-	267.5
203.4	61.1	149.9	208.3	249.1	-	249.9
210.0	58.2	135.6	195.1	241.4	-	239.6
216.5	-	-	181.9	233.7	-	229.3
229.7	-	-	156.5	210.5	-	211.6
232.9	-	-	149.9	204.2	206.1	207.2
242.8	-	-	-	185.2	195.1	192.9
255.9	-	-	-	159.8	181.9	173.1
269.0	-	-	-	-	170.9	153.7
275.6	-	-	-	-	165.3	147.7
282.2	-	-	-	-	-	139.6
295.3	-	-	-	-	-	123.5
308.4	-	-	-	-	-	109.0
318.2	-	-	-	-	-	98.8

0 lb	143,300 lb	275,600 lb	363,800 lb
452,000 lb	540,200 lb	628,400 lb	716,600 lb

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

137.8 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
72.2	-	231.5*	-	-	-	-
78.7	-	229.3*	-	-	-	-
85.3	177.5	229.3	-	-	-	-
91.9	164.2	229.3	-	-	-	-
98.4	152.1	227.1	-	-	-	-
105.0	142.2	226.0	-	-	-	224.9
111.5	132.3	224.9	-	-	-	223.8
124.7	116.8	220.5	-	-	-	221.2
137.8	103.6	218.3	-	-	-	218.3
147.6	95.2	215.0	203.9	-	-	215.0
150.9	92.4	213.8	203.9	-	-	213.8
164.0	81.8	209.4	203.9	-	-	208.7
177.2	72.3	205.0	203.9	-	-	202.8
190.3	64.4	187.4	203.9	-	-	197.7
203.4	57.5	166.4	202.8	-	-	191.4
206.7	55.9	161.5	200.1	172.0	-	190.1
216.5	51.1	146.6	191.8	172.0	-	186.3
229.7	45.6	129.0	170.9	172.0	-	181.1
242.8	41.0	110.2	152.1	172.0	-	176.0
246.1	39.9	105.8	147.7	172.0	-	174.7
255.9	-	-	134.5	172.0	-	170.9
259.2	-	-	130.1	167.8	145.5	169.8
269.0	-	-	116.8	155.4	145.5	161.2
272.3	-	-	111.3	151.0	145.5	158.3
282.2	-	-	-	137.8	145.5	147.7
292.0	-	-	-	124.6	144.7	136.1
295.3	-	-	-	-	144.4	132.3
308.4	-	-	-	-	135.6	121.3
315.0	-	-	-	-	129.0	115.7
321.5	-	-	-	-	-	108.8
334.6	-	-	-	-	-	96.3
347.8	-	-	-	-	-	84.6
354.3	-	-	-	-	-	78.7

137.8 ft + 275.6 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
82.0	-	165.3*	-	-	-	-
85.3	-	164.2*	-	-	-	-
91.9	-	163.1*	-	-	-	-
95.1	146.6	163.1	-	-	-	-
98.4	141.1	162.0	-	-	-	-
111.5	122.4	159.8	-	-	-	-
118.1	114.8	158.7	-	-	-	157.6
124.7	107.1	157.6	-	-	-	156.5
137.8	94.6	154.3	-	-	-	154.3
150.9	83.8	152.1	-	-	-	151.4
164.0	74.3	148.8	141.1	-	-	148.1
177.2	66.4	145.5	141.1	-	-	144.4
190.3	59.3	143.3	140.0	-	-	140.0
203.4	53.1	140.0	138.9	-	-	136.0
216.5	47.2	137.8	137.8	-	-	132.3
229.7	41.7	135.6	136.7	115.7	-	128.6
242.8	36.6	122.4	136.7	115.7	-	125.1
255.9	32.4	109.3	135.6	115.7	-	121.3
269.0	28.4	96.1	127.9	115.7	-	118.3
278.9	26.0	85.9	117.9	115.7	-	115.2
282.2	25.1	82.5	114.6	115.7	-	114.3
285.4	24.3	78.7	111.4	115.7	99.2	113.5
295.3	-	-	101.6	115.7	99.2	111.3
308.4	-	-	88.2	115.7	99.2	109.1
321.5	-	-	-	105.2	99.2	106.8
331.4	-	-	-	95.2	99.2	104.9
334.6	-	-	-	-	99.2	104.3
347.8	-	-	-	-	99.2	95.2
351.1	-	-	-	-	99.2	92.4
360.9	-	-	-	-	-	83.8
374.0	-	-	-	-	-	75.6
387.1	-	-	-	-	-	64.4
393.7	-	-	-	-	-	58.9

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb


* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **137.8 ft +**
 **315.0 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
91.9	-	120.2*	-	-	-	-
98.4	-	119.0*	-	-	-	-
105.0	114.6	116.8	-	-	-	-
111.5	112.4	115.7	-	-	-	-
124.7	98.1	113.5	-	-	-	-
131.2	91.9	112.4	-	-	-	112.4
137.8	85.8	111.3	-	-	-	111.3
150.9	75.4	110.0	-	-	-	109.6
164.0	66.6	107.8	-	-	-	107.3
177.2	58.9	105.6	-	-	-	104.5
180.4	57.2	105.1	98.5	-	-	103.8
190.3	52.0	103.4	98.1	-	-	101.7
203.4	45.9	101.4	97.7	-	-	98.8
216.5	40.6	99.2	96.8	-	-	95.9
229.7	35.9	97.0	95.9	-	-	93.0
242.8	31.5	95.2	95.0	-	-	90.1
252.6	28.7	93.9	94.2	79.4	-	88.0
255.9	27.8	93.5	93.9	79.4	-	87.3
269.0	24.0	91.7	93.0	79.4	-	84.7
282.2	20.5	89.9	92.2	79.4	-	82.0
295.3	17.4	80.9	91.5	79.4	-	79.4
308.4	14.6	70.8	90.8	79.4	-	77.0
315.0	13.2	65.4	88.3	79.4	65.7	75.8
318.2	12.6	62.7	87.0	79.4	65.7	75.3
321.5	11.9	60.0	85.8	79.4	65.7	74.7
334.6	-	-	75.8	79.4	65.7	72.5
347.8	-	-	65.3	79.4	65.7	70.8
360.9	-	-	-	79.1	65.7	69.1
370.7	-	-	-	71.4	65.7	67.9
374.0	-	-	-	-	65.7	67.5
387.1	-	-	-	-	65.7	66.3
390.4	-	-	-	-	65.7	66.0
400.3	-	-	-	-	-	62.6
413.4	-	-	-	-	-	56.4
426.5	-	-	-	-	-	46.6
429.8	-	-	-	-	-	44.1

	0 lb	143,300 lb	275,600 lb	363,800 lb
	452,000 lb	540,200 lb	628,400 lb	716,600 lb

* Main boom angle 87°

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

 **157.5 ft +**
 **78.7 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
39.4	-	765.0*	-	-	-	-
45.9	-	765.0	-	-	-	-
49.2	388.0	765.0	-	-	-	-
52.5	366.0	765.0	-	-	-	765.0
59.1	326.3	765.0	-	-	-	765.0
65.6	295.4	756.2	-	-	-	765.0
72.2	269.0	723.1	-	-	-	765.0
78.7	246.9	663.6	-	-	-	760.6
85.3	220.5	577.6	-	-	-	703.3
88.6	210.5	535.7	672.4	-	-	675.7
91.9	200.6	493.8	648.2	-	-	648.2
95.1	191.8	454.2	626.1	-	-	623.9
98.4	-	-	604.1	-	-	599.7
111.5	-	-	531.3	-	-	524.7
124.7	-	-	451.9	-	-	460.0
128.0	-	-	-	443.1	-	446.4
137.8	-	-	-	410.1	-	405.7
150.9	-	-	-	368.2	-	361.6
160.8	-	-	-	-	330.7	331.1
164.0	-	-	-	-	321.9	322.6
173.9	-	-	-	-	302.0	297.3
177.2	-	-	-	-	-	288.8
190.3	-	-	-	-	-	253.5
203.4	-	-	-	-	-	218.3
216.5	-	-	-	-	-	191.8
219.8	-	-	-	-	-	183.0

 **157.5 ft +**
 **118.1 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
45.9	-	586.4*	-	-	-	-
52.5	-	579.8*	-	-	-	-
59.1	302.0	593.0	-	-	-	-
65.6	273.4	586.4	-	-	-	571.0
72.2	249.1	577.6	-	-	-	571.0
78.7	229.3	568.8	-	-	-	568.8
85.3	211.6	551.2	-	-	-	566.6
91.9	196.2	535.7	-	-	-	562.2
98.4	180.8	496.0	-	-	-	560.0
105.0	166.4	448.6	560.0	-	-	534.3
111.5	152.1	401.2	524.7	-	-	512.9
124.7	131.2	326.3	467.4	-	-	464.4
128.0	126.8	307.9	455.8	-	-	450.8
134.5	117.9	271.2	432.7	-	-	423.7
137.8	-	-	421.1	-	-	410.1
150.9	-	-	348.3	363.8	-	366.0
160.8	-	-	295.4	337.3	-	335.5
164.0	-	-	-	328.5	-	327.0
177.2	-	-	-	299.8	-	293.2
187.0	-	-	-	282.2	-	273.4
190.3	-	-	-	-	266.8	266.8
203.4	-	-	-	-	244.7	242.1
213.3	-	-	-	-	233.7	225.1
216.5	-	-	-	-	-	219.4
229.7	-	-	-	-	-	192.2
242.8	-	-	-	-	-	170.6
255.9	-	-	-	-	-	147.7
259.2	-	-	-	-	-	142.2

SWSL / SFSL

SUPERLIFT 3800

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

157.5 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
55.8	-	416.7*	-	-	-	-
59.1	-	416.7*	-	-	-	-
65.6	253.5	421.1	-	-	-	-
72.2	231.5	421.1	-	-	-	-
78.7	212.7	416.7	-	-	-	407.9
85.3	196.2	414.5	-	-	-	407.9
91.9	181.9	410.1	-	-	-	407.9
98.4	169.8	405.7	-	-	-	407.9
111.5	148.8	394.6	-	-	-	403.4
121.4	133.1	368.2	390.2	-	-	400.1
124.7	127.9	359.4	390.2	-	-	399.0
137.8	110.2	306.4	388.0	-	-	394.6
150.9	97.7	260.1	372.6	-	-	362.3
164.0	86.9	220.5	321.9	-	-	329.2
167.3	84.5	209.8	310.3	-	-	320.8
170.6	82.2	199.2	298.7	308.6	-	312.3
173.9	79.8	188.5	287.2	302.0	-	303.9
177.2	-	-	275.6	295.4	-	295.4
190.3	-	-	235.9	271.2	-	269.0
200.1	-	-	206.1	254.6	-	250.2
203.4	-	-	-	249.1	-	244.7
216.5	-	-	-	231.5	222.7	222.7
226.4	-	-	-	218.3	211.3	210.0
229.7	-	-	-	-	207.2	205.8
242.8	-	-	-	-	194.0	189.6
249.3	-	-	-	-	188.5	178.6
255.9	-	-	-	-	-	167.6
269.0	-	-	-	-	-	149.2
282.2	-	-	-	-	-	133.4
295.3	-	-	-	-	-	114.6

157.5 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
65.6	-	302.0*	-	-	-	-
72.2	-	302.0*	-	-	-	-
78.7	198.4	302.0	-	-	-	-
85.3	183.0	302.0	-	-	-	-
91.9	169.8	302.0	-	-	-	-
95.1	163.7	300.9	-	-	-	297.6
98.4	157.6	299.8	-	-	-	297.6
111.5	137.8	295.4	-	-	-	296.2
124.7	121.3	291.0	-	-	-	293.9
137.8	108.5	284.4	273.4	-	-	291.0
150.9	95.0	271.2	273.4	-	-	282.9
164.0	84.0	235.9	273.4	-	-	276.3
177.2	74.7	206.1	273.4	-	-	269.0
190.3	66.8	179.7	249.1	-	-	261.6
193.6	65.1	173.3	241.7	233.7	-	259.8
203.4	60.2	154.3	219.4	233.7	-	246.9
210.0	57.1	140.0	205.6	231.5	-	235.9
216.5	-	-	191.8	229.3	-	224.9
229.7	-	-	167.6	212.7	-	208.0
239.5	-	-	146.6	202.8	-	195.7
242.8	-	-	-	199.5	189.6	191.8
255.9	-	-	-	176.4	177.5	177.5
262.5	-	-	-	163.1	172.5	170.1
269.0	-	-	-	-	167.6	162.8
282.2	-	-	-	-	157.6	147.0
288.7	-	-	-	-	153.2	138.5
295.3	-	-	-	-	-	130.1
308.4	-	-	-	-	-	117.2
321.5	-	-	-	-	-	103.6
334.6	-	-	-	-	-	92.4


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

157.5 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
75.5	-	220.5*	-	-	-	-
78.7	-	219.4*	-	-	-	-
85.3	-	218.3*	-	-	-	-
88.6	163.1	218.3	-	-	-	-
91.9	157.6	218.3	-	-	-	-
98.4	146.6	218.3	-	-	-	-
108.3	132.6	216.6	-	-	-	215.0
111.5	127.9	216.1	-	-	-	214.6
124.7	112.4	212.7	-	-	-	212.7
137.8	99.4	209.4	-	-	-	210.5
150.9	88.6	205.0	-	-	-	206.1
154.2	86.3	203.9	192.9	-	-	205.0
164.0	79.4	200.6	192.9	-	-	201.7
177.2	71.2	197.3	192.9	-	-	197.3
190.3	63.3	190.7	192.9	-	-	191.8
203.4	56.4	169.8	192.9	-	-	186.3
213.3	51.6	154.9	192.9	159.8	-	183.0
216.5	50.0	149.9	192.9	159.8	-	181.9
229.7	44.8	132.3	179.7	159.8	-	176.4
242.8	39.9	114.6	159.8	159.8	-	171.2
249.3	37.9	104.7	151.0	159.8	-	168.7
255.9	-	-	142.2	159.8	-	165.3
269.0	-	-	124.6	159.8	137.8	160.9
275.6	-	-	115.7	156.2	137.8	158.7
282.2	-	-	-	148.8	137.8	153.2
295.3	-	-	-	132.3	137.8	142.2
301.8	-	-	-	123.5	137.2	134.8
308.4	-	-	-	-	136.7	127.5
321.5	-	-	-	-	129.0	113.7
324.8	-	-	-	-	127.9	110.5
334.6	-	-	-	-	-	104.3
347.8	-	-	-	-	-	92.2
360.9	-	-	-	-	-	79.6
370.7	-	-	-	-	-	73.9

157.5 ft + 275.6 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
82.0	-	158.7*	-	-	-	-
85.3	-	157.6*	-	-	-	-
91.9	-	156.5*	-	-	-	-
98.4	134.5	155.4	-	-	-	-
111.5	116.8	154.3	-	-	-	-
121.4	106.3	152.7	-	-	-	151.0
124.7	102.7	152.1	-	-	-	150.6
137.8	90.4	148.8	-	-	-	148.8
150.9	80.0	146.6	-	-	-	145.9
164.0	71.2	144.4	-	-	-	142.9
170.6	67.2	142.7	134.5	-	-	141.5
177.2	63.3	141.1	134.5	-	-	140.0
190.3	56.7	138.9	134.5	-	-	136.3
203.4	50.7	136.7	134.5	-	-	132.6
216.5	45.4	134.5	133.4	-	-	129.0
229.7	40.6	132.3	133.4	-	-	126.0
236.2	38.1	129.0	132.8	110.2	-	124.6
242.8	35.7	125.7	132.3	110.2	-	122.4
255.9	31.5	111.3	132.3	110.2	-	119.0
269.0	27.6	99.0	131.2	110.2	-	115.4
282.2	24.3	85.5	120.2	110.2	-	112.3
285.4	23.4	81.8	117.0	110.2	-	111.7
295.3	-	-	107.6	110.2	-	109.8
298.6	-	-	104.4	110.2	93.9	108.9
308.4	-	-	94.6	110.2	93.9	106.9
315.0	-	-	87.3	110.2	93.9	105.6
321.5	-	-	-	110.2	93.9	104.3
334.6	-	-	-	101.2	93.9	101.6
341.2	-	-	-	94.4	93.9	98.8
347.8	-	-	-	-	93.9	96.3
360.9	-	-	-	-	93.9	88.8
364.2	-	-	-	-	93.9	87.0
374.0	-	-	-	-	-	81.4
387.1	-	-	-	-	-	70.5
400.3	-	-	-	-	-	60.1
410.1	-	-	-	-	-	55.3


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800


 363,800 lb +
  110,200 lb
  36.1-62.3 ft
  27.6 ft
  32.2 ft/s
  360°
  75%

 157.5 ft +
  315.0 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
91.9	-	114.6*	-	-	-	-
98.4	-	113.5*	-	-	-	-
108.3	110.0	112.4	-	-	-	-
111.5	107.6	111.3	-	-	-	-
124.7	93.5	110.2	-	-	-	-
134.5	84.7	108.9	-	-	-	108.5
137.8	81.8	108.5	-	-	-	108.0
150.9	71.9	106.5	-	-	-	106.3
164.0	63.3	104.5	-	-	-	104.1
177.2	55.8	102.5	-	-	-	101.6
187.0	50.8	101.0	94.1	-	-	99.6
190.3	49.2	100.5	94.1	-	-	99.0
203.4	43.4	98.5	93.9	-	-	96.2
216.5	38.1	96.6	93.5	-	-	93.3
229.7	33.5	94.6	92.8	-	-	90.6
242.8	29.3	92.8	92.2	-	-	88.0
255.9	25.8	91.1	91.3	-	-	85.3
259.2	24.9	90.7	91.2	75.2	-	84.7
269.0	22.3	89.5	90.6	75.2	-	82.7
282.2	19.2	87.7	89.9	75.2	-	80.2
295.3	16.3	83.1	89.5	75.2	-	77.8
308.4	13.7	73.0	88.8	75.2	-	75.5
318.2	11.8	65.3	88.5	75.2	-	73.7
321.5	11.2	62.6	88.4	75.2	-	73.2
324.8	10.6	59.5	86.4	75.2	61.9	72.6
334.6	-	-	80.5	75.2	61.9	71.0
347.8	-	-	70.3	75.2	61.9	69.1
351.1	-	-	67.7	75.2	61.9	68.6
360.9	-	-	-	75.2	61.9	67.3
374.0	-	-	-	75.2	61.9	65.7
377.3	-	-	-	73.6	61.9	65.3
387.1	-	-	-	-	61.9	64.2
400.3	-	-	-	-	61.9	62.5
403.5	-	-	-	-	61.9	62.1
413.4	-	-	-	-	-	60.6
426.5	-	-	-	-	-	51.4
439.6	-	-	-	-	-	43.7
449.5	-	-	-	-	-	38.4

 177.2 ft +
  78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
39.4	-	738.5*	-	-	-	-
45.9	-	720.9*	-	-	-	-
49.2	370.4	751.8	-	-	-	-
52.5	348.3	743.0	-	-	-	-
55.8	330.7	734.1	-	-	-	718.7
59.1	313.1	725.3	-	-	-	718.7
65.6	282.2	696.7	-	-	-	712.1
72.2	257.9	670.2	-	-	-	705.5
78.7	238.1	632.7	-	-	-	698.9
85.3	220.5	604.1	-	-	-	694.5
91.9	199.5	520.3	-	-	-	643.8
95.1	190.7	478.4	617.3	-	-	619.5
98.4	181.9	436.5	597.5	-	-	595.2
111.5	-	-	524.7	-	-	520.3
124.7	-	-	467.4	-	-	455.6
128.0	-	-	456.4	-	-	442.0
137.8	-	-	-	403.4	-	401.2
150.9	-	-	-	361.6	-	358.6
157.5	-	-	-	343.9	-	337.3
164.0	-	-	-	-	-	320.4
173.9	-	-	-	-	295.4	295.1
177.2	-	-	-	-	288.8	286.6
183.7	-	-	-	-	275.6	273.4
190.3	-	-	-	-	-	260.1
203.4	-	-	-	-	-	233.3
216.5	-	-	-	-	-	206.1
229.7	-	-	-	-	-	179.1
236.2	-	-	-	-	-	168.7

	0 lb	143,300 lb	275,600 lb	363,800 lb
	452,000 lb	540,200 lb	628,400 lb	716,600 lb

* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

177.2 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
49.2	-	529.1*	-	-	-	-
52.5	-	524.7*	-	-	-	-
59.1	288.8	537.9	-	-	-	-
65.6	262.4	531.3	-	-	-	-
68.9	251.3	526.9	-	-	-	515.9
72.2	240.3	522.5	-	-	-	515.9
78.7	220.5	513.7	-	-	-	515.9
85.3	203.9	502.7	-	-	-	515.9
91.9	189.6	489.4	-	-	-	511.5
98.4	176.4	474.0	-	-	-	509.3
108.3	157.4	431.0	511.5	-	-	496.0
111.5	151.0	416.7	511.5	-	-	493.8
124.7	130.1	339.5	463.0	-	-	462.2
131.2	121.8	300.9	439.8	-	-	435.0
137.8	113.5	262.4	416.7	-	-	407.9
150.9	-	-	374.8	-	-	363.8
157.5	-	-	341.7	339.5	-	341.7
164.0	-	-	308.6	324.1	-	324.8
167.3	-	-	291.0	316.9	-	316.4
177.2	-	-	-	295.4	-	291.0
190.3	-	-	-	271.2	-	264.6
196.9	-	-	-	262.4	-	251.3
200.1	-	-	-	-	244.7	246.0
203.4	-	-	-	-	240.3	240.7
216.5	-	-	-	-	222.7	219.4
223.1	-	-	-	-	216.1	210.5
229.7	-	-	-	-	-	201.7
242.8	-	-	-	-	-	182.2
255.9	-	-	-	-	-	158.7
269.0	-	-	-	-	-	139.6
275.6	-	-	-	-	-	131.2

177.2 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
55.8	-	385.8*	-	-	-	-
59.1	-	383.6*	-	-	-	-
65.6	-	379.2*	-	-	-	-
68.9	231.5	388.0	-	-	-	-
72.2	222.7	385.8	-	-	-	-
78.7	205.0	383.6	-	-	-	-
82.0	197.3	381.4	-	-	-	374.8
85.3	189.6	379.2	-	-	-	374.8
91.9	175.3	377.0	-	-	-	374.8
98.4	163.1	370.4	-	-	-	374.8
111.5	143.3	359.4	-	-	-	372.6
124.7	126.8	348.3	361.6	-	-	368.9
137.8	110.2	315.3	359.4	-	-	366.0
150.9	97.2	269.0	359.4	-	-	350.5
164.0	86.4	229.3	335.1	-	-	327.0
167.3	84.1	218.6	325.2	-	-	318.6
173.9	79.4	197.3	305.3	-	-	301.7
177.2	-	-	295.4	-	-	293.2
180.4	-	-	284.9	284.4	-	286.6
190.3	-	-	253.5	266.8	-	266.8
203.4	-	-	215.0	246.9	-	242.5
216.5	-	-	-	229.3	-	220.5
229.7	-	-	-	213.8	202.8	203.6
232.9	-	-	-	209.4	199.5	199.3
242.8	-	-	-	-	189.6	187.8
255.9	-	-	-	-	177.5	173.1
262.5	-	-	-	-	173.1	165.7
269.0	-	-	-	-	-	158.4
282.2	-	-	-	-	-	141.5
295.3	-	-	-	-	-	124.6
308.4	-	-	-	-	-	109.9
311.7	-	-	-	-	-	106.3


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

177.2 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
65.6	-	282.2*	-	-	-	-
72.2	-	280.0*	-	-	-	-
78.7	190.7	282.2	-	-	-	-
85.3	176.4	282.2	-	-	-	-
91.9	163.1	280.0	-	-	-	-
95.1	157.6	280.0	-	-	-	275.6
98.4	152.1	280.0	-	-	-	275.6
111.5	132.3	275.6	-	-	-	275.6
124.7	116.8	269.0	-	-	-	274.8
137.8	104.5	262.4	-	-	-	273.4
141.1	101.7	260.7	255.7	-	-	270.4
150.9	93.5	255.7	255.7	-	-	268.2
164.0	82.7	242.5	255.7	-	-	261.6
177.2	73.4	212.7	255.7	-	-	255.7
190.3	65.7	185.2	255.7	-	-	248.4
200.1	60.7	165.3	237.5	219.4	-	241.0
203.4	59.1	158.7	231.5	219.4	-	237.4
206.7	57.6	151.8	224.6	218.3	-	233.7
213.3	54.7	137.8	210.8	218.3	-	226.3
216.5	-	-	203.9	218.3	-	222.7
229.7	-	-	178.6	208.3	-	205.0
242.8	-	-	152.1	195.1	-	189.2
255.9	-	-	-	183.0	173.1	174.2
269.0	-	-	-	168.7	162.0	161.7
272.3	-	-	-	162.0	159.8	158.5
282.2	-	-	-	-	153.2	149.9
295.3	-	-	-	-	144.4	138.9
298.6	-	-	-	-	142.2	135.2
308.4	-	-	-	-	-	124.2
321.5	-	-	-	-	-	109.5
334.6	-	-	-	-	-	99.9
347.8	-	-	-	-	-	85.1
351.1	-	-	-	-	-	81.4

177.2 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
75.5	-	208.3*	-	-	-	-
78.7	-	207.2*	-	-	-	-
85.3	-	206.1*	-	-	-	-
88.6	156.5	207.2	-	-	-	-
91.9	151.0	206.1	-	-	-	-
98.4	140.0	206.1	-	-	-	-
108.3	126.8	204.5	-	-	-	202.8
111.5	122.4	203.9	-	-	-	202.8
124.7	107.8	201.7	-	-	-	202.1
137.8	95.5	198.4	-	-	-	200.6
150.9	84.9	195.1	-	-	-	196.9
157.5	80.5	193.5	181.9	-	-	195.1
164.0	76.1	191.8	181.9	-	-	192.9
177.2	68.3	187.4	181.9	-	-	188.5
190.3	61.5	184.1	181.9	-	-	184.1
203.4	55.1	173.1	181.9	-	-	178.6
216.5	48.9	153.2	181.9	-	-	174.2
223.1	46.3	144.4	181.9	151.0	-	172.0
229.7	43.7	135.6	181.9	151.0	-	169.8
242.8	39.0	116.8	167.6	151.0	-	165.1
249.3	36.8	108.2	158.7	151.0	-	162.5
255.9	-	-	149.9	151.0	-	159.8
269.0	-	-	132.3	151.0	-	155.4
282.2	-	-	113.5	151.0	130.1	148.4
295.3	-	-	-	143.3	130.1	138.9
308.4	-	-	-	126.8	130.1	129.3
311.7	-	-	-	122.4	128.7	126.9
321.5	-	-	-	-	124.6	119.4
334.6	-	-	-	-	117.9	108.0
337.9	-	-	-	-	116.8	104.9
347.8	-	-	-	-	-	95.7
360.9	-	-	-	-	-	85.0
374.0	-	-	-	-	-	76.1
387.1	-	-	-	-	-	63.9
390.4	-	-	-	-	-	61.5

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **177.2 ft +**
 **275.6 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
85.3	-	151.0*	-	-	-	-
91.9	-	149.9*	-	-	-	-
98.4	129.0	148.8	-	-	-	-
111.5	112.4	147.7	-	-	-	-
121.4	101.9	146.1	-	-	-	145.5
124.7	98.3	145.5	-	-	-	145.1
137.8	86.4	143.3	-	-	-	143.3
150.9	76.3	141.1	-	-	-	141.1
164.0	67.7	138.9	-	-	-	138.5
173.9	62.1	137.2	127.9	-	-	136.3
177.2	60.2	136.7	127.9	-	-	135.6
190.3	53.8	134.5	127.9	-	-	132.6
203.4	48.1	131.2	127.9	-	-	129.3
216.5	42.8	129.0	127.9	-	-	125.7
229.7	38.1	127.9	127.9	-	-	122.1
242.8	34.2	125.7	127.9	-	-	119.4
246.1	33.2	122.9	127.9	104.9	-	118.5
255.9	30.4	114.6	127.9	104.9	-	115.7
269.0	26.7	101.4	127.9	104.9	-	112.8
282.2	23.4	88.0	125.7	104.9	-	109.9
288.7	21.8	80.7	119.0	104.9	-	108.4
295.3	-	-	112.4	104.9	-	106.9
308.4	-	-	100.3	104.9	88.4	104.1
318.2	-	-	90.2	104.9	88.4	101.9
321.5	-	-	-	104.9	88.4	101.2
334.6	-	-	-	104.9	88.4	98.5
347.8	-	-	-	96.8	88.4	96.0
360.9	-	-	-	-	88.4	90.9
374.0	-	-	-	-	88.4	83.1
387.1	-	-	-	-	-	72.8
400.3	-	-	-	-	-	65.5
413.4	-	-	-	-	-	56.7
426.5	-	-	-	-	-	47.0

 **177.2 ft +**
 **315.0 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
91.9	-	110.2*	-	-	-	-
98.4	-	109.6*	-	-	-	-
108.3	104.9	108.0	-	-	-	-
111.5	102.5	107.6	-	-	-	-
124.7	89.1	106.0	-	-	-	-
134.5	80.6	104.7	-	-	-	104.3
137.8	77.8	104.3	-	-	-	103.8
150.9	68.1	102.5	-	-	-	102.2
164.0	59.7	100.8	-	-	-	100.4
177.2	52.7	99.0	-	-	-	98.3
190.3	46.3	97.0	89.7	-	-	95.8
203.4	40.8	95.2	89.7	-	-	93.3
216.5	35.7	93.3	89.7	-	-	90.6
229.7	31.3	91.5	89.5	-	-	88.2
242.8	27.1	89.7	89.1	-	-	85.6
255.9	23.6	88.2	88.4	-	-	83.1
269.0	20.3	86.6	88.0	71.0	-	80.6
282.2	17.2	85.1	87.5	71.0	-	78.3
295.3	14.6	83.3	86.9	71.0	-	75.8
308.4	12.1	75.0	86.6	71.0	-	73.6
321.5	9.7	64.6	86.2	71.0	-	71.4
324.8	9.3	61.9	85.9	71.0	-	70.9
334.6	-	-	84.9	71.0	-	69.2
337.9	-	-	82.4	71.0	58.0	68.7
347.8	-	-	75.0	71.0	58.0	67.3
357.6	-	-	67.0	71.0	58.0	65.9
360.9	-	-	-	71.0	58.0	65.5
374.0	-	-	-	71.0	58.0	63.9
387.1	-	-	-	71.0	58.0	62.3
400.3	-	-	-	-	58.0	60.8
413.4	-	-	-	-	58.0	59.5
426.5	-	-	-	-	-	55.3
439.6	-	-	-	-	-	48.1
452.8	-	-	-	-	-	39.5
465.9	-	-	-	-	-	33.1


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

196.9 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
39.4	-	665.8*	-	-	-	-
45.9	-	650.4*	-	-	-	-
52.5	332.9	670.2	-	-	-	-
55.8	315.3	663.6	-	-	-	643.8
59.1	299.8	654.8	-	-	-	643.8
65.6	271.2	637.1	-	-	-	643.8
72.2	249.1	617.3	-	-	-	639.3
78.7	229.3	586.4	-	-	-	630.5
85.3	211.6	562.2	-	-	-	626.1
91.9	197.3	533.5	-	-	-	619.5
98.4	180.8	449.7	-	-	-	593.0
111.5	-	-	590.8	-	-	516.6
124.7	-	-	518.1	-	-	451.9
134.5	-	-	463.0	-	-	412.3
137.8	-	-	427.7	-	-	399.0
144.4	-	-	-	374.8	-	377.0
150.9	-	-	-	357.1	-	354.9
164.0	-	-	-	324.1	-	316.0
167.3	-	-	-	315.3	-	307.5
177.2	-	-	-	-	-	282.2
183.7	-	-	-	-	269.0	269.7
190.3	-	-	-	-	257.9	257.2
196.9	-	-	-	-	249.1	244.7
203.4	-	-	-	-	-	233.7
216.5	-	-	-	-	-	212.7
229.7	-	-	-	-	-	190.7
242.8	-	-	-	-	-	166.4
252.6	-	-	-	-	-	153.2

196.9 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
49.2	-	482.8*	-	-	-	-
52.5	-	478.4*	-	-	-	-
59.1	-	489.4	-	-	-	-
62.3	264.6	487.2	-	-	-	-
65.6	251.3	485.0	-	-	-	-
68.9	240.3	481.7	-	-	-	467.4
72.2	229.3	478.4	-	-	-	467.4
78.7	211.6	469.6	-	-	-	467.4
85.3	196.2	458.6	-	-	-	467.4
91.9	181.9	447.5	-	-	-	467.4
98.4	169.8	436.5	-	-	-	465.2
111.5	149.9	410.1	-	-	-	458.6
114.8	144.7	393.0	467.4	-	-	458.6
124.7	129.0	341.7	456.4	-	-	440.2
131.2	120.7	304.2	433.2	-	-	421.8
137.8	112.4	266.8	410.1	-	-	403.4
150.9	-	-	370.4	-	-	359.4
164.0	-	-	330.7	-	-	320.4
167.3	-	-	312.0	310.9	-	312.0
170.6	-	-	293.2	302.0	-	303.5
177.2	-	-	-	288.8	-	286.6
190.3	-	-	-	266.8	-	260.1
203.4	-	-	-	246.9	-	236.6
213.3	-	-	-	-	220.5	221.2
216.5	-	-	-	-	216.1	216.1
229.7	-	-	-	-	201.7	197.9
232.9	-	-	-	-	198.4	193.7
242.8	-	-	-	-	-	182.2
255.9	-	-	-	-	-	167.6
269.0	-	-	-	-	-	147.7
282.2	-	-	-	-	-	129.0
292.0	-	-	-	-	-	119.0

0 lb	143,300 lb	275,600 lb	363,800 lb
452,000 lb	540,200 lb	628,400 lb	716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **196.9 ft +**
 **157.5 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
59.1	-	352.7*	-	-	-	-
65.6	-	350.5*	-	-	-	-
72.2	212.7	357.1	-	-	-	-
78.7	196.2	354.9	-	-	-	-
82.0	188.5	352.7	-	-	-	346.1
85.3	180.8	350.5	-	-	-	346.1
91.9	168.7	348.3	-	-	-	346.1
98.4	156.5	343.9	-	-	-	346.1
111.5	137.8	332.9	-	-	-	346.1
124.7	121.3	321.9	-	-	-	341.7
131.2	115.2	315.3	337.3	-	-	341.7
137.8	109.1	308.6	335.1	-	-	341.7
150.9	95.9	269.0	335.1	-	-	334.4
164.0	84.9	229.3	330.7	-	-	318.9
170.6	80.5	207.8	316.4	-	-	305.0
177.2	76.1	186.3	302.0	-	-	291.0
187.0	-	-	273.9	266.8	-	270.1
190.3	-	-	264.6	260.1	-	263.1
203.4	-	-	224.9	240.3	-	238.8
210.0	-	-	205.0	231.5	-	228.5
216.5	-	-	-	222.7	-	218.3
229.7	-	-	-	208.3	-	199.9
239.5	-	-	-	198.4	186.3	188.1
242.8	-	-	-	195.1	183.0	184.5
255.9	-	-	-	-	172.0	169.8
269.0	-	-	-	-	162.0	156.5
272.3	-	-	-	-	159.8	153.2
282.2	-	-	-	-	-	143.7
295.3	-	-	-	-	-	131.2
308.4	-	-	-	-	-	114.6
321.5	-	-	-	-	-	101.5
331.4	-	-	-	-	-	91.9

 **196.9 ft +**
 **196.9 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
65.6	-	262.4*	-	-	-	-
72.2	-	262.4*	-	-	-	-
78.7	-	260.1*	-	-	-	-
82.0	175.3	264.6	-	-	-	-
85.3	168.7	262.4	-	-	-	-
91.9	156.5	262.4	-	-	-	-
98.4	145.5	260.1	-	-	-	257.9
111.5	126.8	255.7	-	-	-	257.9
124.7	112.4	251.3	-	-	-	257.2
137.8	100.1	244.7	-	-	-	255.7
147.6	92.2	239.8	238.1	-	-	253.5
150.9	89.5	238.1	238.1	-	-	252.8
164.0	80.7	231.5	238.1	-	-	249.1
177.2	72.8	211.6	238.1	-	-	244.7
190.3	65.0	184.1	238.1	-	-	236.6
203.4	58.4	157.6	238.1	-	-	229.3
206.7	57.0	151.0	231.2	-	-	227.1
210.0	55.5	144.4	224.3	206.1	-	224.9
213.3	54.0	137.8	217.4	206.1	-	222.7
216.5	-	-	210.5	206.1	-	220.5
229.7	-	-	184.1	203.9	-	202.8
242.8	-	-	158.7	190.7	-	186.3
249.3	-	-	145.5	184.1	-	178.6
255.9	-	-	-	178.6	-	170.9
265.7	-	-	-	170.3	159.8	161.5
269.0	-	-	-	167.6	157.6	158.4
282.2	-	-	-	155.4	147.7	146.6
295.3	-	-	-	-	140.0	135.6
308.4	-	-	-	-	132.3	126.0
311.7	-	-	-	-	130.1	123.6
321.5	-	-	-	-	-	114.8
334.6	-	-	-	-	-	101.9
347.8	-	-	-	-	-	89.3
360.9	-	-	-	-	-	79.4
367.5	-	-	-	-	-	73.2


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **196.9 ft +**
 **236.2 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
75.5	-	196.2*	-	-	-	-
78.7	-	195.1*	-	-	-	-
85.3	-	194.0*	-	-	-	-
91.9	144.4	195.1	-	-	-	-
98.4	134.5	194.0	-	-	-	-
111.5	116.8	192.9	-	-	-	190.7
124.7	103.0	190.7	-	-	-	190.7
137.8	91.1	187.4	-	-	-	190.7
150.9	81.1	184.1	-	-	-	187.0
164.0	72.5	180.8	172.0	-	-	183.7
177.2	65.0	176.4	172.0	-	-	180.8
190.3	58.4	173.1	172.0	-	-	176.4
203.4	52.7	169.8	172.0	-	-	172.0
216.5	47.6	163.2	172.0	-	-	167.6
229.7	43.2	135.6	172.0	142.2	-	164.0
242.8	38.4	116.8	172.0	142.2	-	159.1
246.1	37.3	112.1	167.6	142.2	-	158.2
252.6	35.3	102.7	153.7	142.2	-	156.3
255.9	-	-	154.3	142.2	-	155.4
269.0	-	-	136.7	142.2	-	150.6
282.2	-	-	119.0	142.2	-	144.8
285.4	-	-	114.6	142.2	-	142.7
295.3	-	-	-	142.2	122.4	136.7
308.4	-	-	-	135.6	122.4	127.1
318.2	-	-	-	122.4	120.7	120.2
321.5	-	-	-	-	120.2	118.0
334.6	-	-	-	-	114.6	109.3
347.8	-	-	-	-	108.9	99.9
360.9	-	-	-	-	-	89.6
374.0	-	-	-	-	-	78.3
387.1	-	-	-	-	-	69.1
400.3	-	-	-	-	-	60.0
406.8	-	-	-	-	-	54.2

 **196.9 ft +**
 **275.6 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
85.3	-	143.3*	-	-	-	-
91.9	-	142.2*	-	-	-	-
98.4	-	141.1*	-	-	-	-
101.7	117.9	141.1	-	-	-	-
111.5	106.9	140.0	-	-	-	-
124.7	93.3	138.9	-	-	-	137.8
137.8	82.0	136.7	-	-	-	136.7
150.9	72.5	135.6	-	-	-	135.2
164.0	64.2	133.4	-	-	-	133.0
177.2	57.1	131.2	-	-	-	130.1
180.4	55.5	130.6	121.3	-	-	129.5
190.3	50.7	129.0	121.3	-	-	127.9
203.4	45.2	125.7	121.3	-	-	124.9
216.5	40.1	124.6	121.3	-	-	121.3
229.7	35.7	122.4	121.3	-	-	118.5
242.8	31.7	120.2	121.3	-	-	115.4
252.6	29.1	115.2	121.3	99.4	-	113.2
255.9	28.2	113.5	121.3	99.4	-	112.4
269.0	24.9	100.1	121.3	99.4	-	109.8
282.2	22.0	86.9	121.3	99.4	-	106.9
288.7	20.7	79.6	118.5	99.4	-	105.5
295.3	-	-	115.7	99.4	-	104.1
308.4	-	-	102.7	99.4	-	101.0
321.5	-	-	89.3	99.4	83.6	98.3
324.8	-	-	85.8	99.4	83.6	97.7
334.6	-	-	-	99.4	83.6	95.7
347.8	-	-	-	99.4	83.6	93.1
357.6	-	-	-	92.8	83.6	90.9
360.9	-	-	-	-	83.6	89.9
374.0	-	-	-	-	83.6	85.8
387.1	-	-	-	-	83.6	76.7
400.3	-	-	-	-	-	67.1
413.4	-	-	-	-	-	57.8
426.5	-	-	-	-	-	50.7
439.6	-	-	-	-	-	42.3
442.9	-	-	-	-	-	39.9


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

196.9 ft + 315.0 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
95.1	-	104.9*	-	-	-	-
98.4	-	104.5*	-	-	-	-
111.5	97.2	102.7	-	-	-	-
124.7	84.2	101.4	-	-	-	-
137.8	73.4	99.9	-	-	-	99.4
150.9	64.2	98.3	-	-	-	98.1
164.0	56.2	96.8	-	-	-	96.5
177.2	49.4	95.0	-	-	-	94.6
190.3	43.2	93.3	-	-	-	92.4
196.9	40.6	92.4	85.3	-	-	91.3
203.4	37.9	91.5	85.3	-	-	90.1
216.5	33.1	89.7	85.3	-	-	87.7
229.7	28.7	88.0	85.3	-	-	85.4
242.8	24.9	86.4	85.3	-	-	83.0
255.9	21.4	84.9	85.1	-	-	80.5
269.0	18.1	83.3	84.7	-	-	78.3
275.6	16.6	82.6	84.5	67.0	-	77.2
282.2	15.2	81.8	84.4	67.0	-	76.0
295.3	12.6	80.2	84.0	67.0	-	73.9
308.4	10.1	73.9	83.8	67.0	-	71.7
315.0	9.0	68.8	83.7	67.0	-	70.5
321.5	-	63.5	83.6	67.0	-	69.5
328.1	-	57.8	83.2	67.0	-	68.5
334.6	-	-	83.1	67.0	-	67.5
347.8	-	-	76.7	67.0	54.2	65.6
360.9	-	-	66.1	67.0	54.2	63.7
374.0	-	-	-	67.0	54.2	61.9
387.1	-	-	-	67.0	54.2	60.5
393.7	-	-	-	67.0	54.2	59.7
400.3	-	-	-	-	54.2	59.0
413.4	-	-	-	-	54.2	57.5
423.2	-	-	-	-	54.2	55.6
426.5	-	-	-	-	-	54.9
439.6	-	-	-	-	-	48.1
452.8	-	-	-	-	-	42.3
465.9	-	-	-	-	-	34.8
479.0	-	-	-	-	-	26.8
482.3	-	-	-	-	-	24.7

216.5 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
42.7	-	575.4*	-	-	-	-
45.9	-	568.8*	-	-	-	-
52.5	319.7	588.6	-	-	-	-
59.1	286.6	575.4	-	-	-	562.2
65.6	260.1	562.2	-	-	-	562.2
72.2	238.1	544.5	-	-	-	562.2
78.7	220.5	529.1	-	-	-	555.6
85.3	203.9	511.5	-	-	-	555.6
91.9	189.6	493.8	-	-	-	551.2
95.1	184.1	479.5	-	-	-	544.5
98.4	178.6	471.8	-	-	-	544.5
101.7	172.0	432.1	-	-	-	531.3
105.0	-	-	546.7	-	-	520.3
111.5	-	-	513.7	-	-	498.2
124.7	-	-	458.6	-	-	449.7
137.8	-	-	412.3	-	-	396.8
150.9	-	-	-	-	-	352.7
154.2	-	-	-	341.7	-	341.7
164.0	-	-	-	317.5	-	314.5
173.9	-	-	-	297.6	-	290.3
177.2	-	-	-	-	-	282.2
190.3	-	-	-	-	-	255.7
196.9	-	-	-	-	242.5	242.5
203.4	-	-	-	-	233.7	231.5
206.7	-	-	-	-	229.3	226.0
216.5	-	-	-	-	-	210.5
229.7	-	-	-	-	-	192.9
242.8	-	-	-	-	-	174.9
255.9	-	-	-	-	-	156.5
269.0	-	-	-	-	-	136.2
272.3	-	-	-	-	-	133.4

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

216.5 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
49.2	-	427.7*	-	-	-	-
52.5	-	425.5*	-	-	-	-
59.1	-	416.7*	-	-	-	-
62.3	253.5	432.1	-	-	-	-
65.6	240.3	429.9	-	-	-	-
72.2	220.5	423.3	-	-	-	414.5
78.7	203.9	416.7	-	-	-	414.5
85.3	188.5	407.9	-	-	-	414.5
91.9	175.3	399.0	-	-	-	414.5
98.4	164.2	388.0	-	-	-	414.5
111.5	144.4	368.2	-	-	-	410.1
118.1	136.1	359.4	412.3	-	-	410.1
124.7	127.9	350.5	412.3	-	-	402.7
131.2	119.6	315.3	407.9	-	-	402.0
137.8	111.3	280.0	405.7	-	-	401.2
141.1	108.5	260.1	396.3	-	-	390.6
150.9	-	-	368.2	-	-	358.6
164.0	-	-	332.9	-	-	320.4
177.2	-	-	288.8	284.4	-	286.6
190.3	-	-	-	262.4	-	258.7
203.4	-	-	-	242.5	-	234.4
213.3	-	-	-	229.3	-	219.0
216.5	-	-	-	-	-	213.8
223.1	-	-	-	-	203.9	205.0
229.7	-	-	-	-	197.3	196.2
242.8	-	-	-	-	184.1	180.0
246.1	-	-	-	-	181.9	176.4
255.9	-	-	-	-	-	165.3
269.0	-	-	-	-	-	152.9
282.2	-	-	-	-	-	138.2
295.3	-	-	-	-	-	121.3
308.4	-	-	-	-	-	108.5

216.5 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
59.1	-	317.5*	-	-	-	-
65.6	-	313.1*	-	-	-	-
72.2	203.9	319.7	-	-	-	-
78.7	188.5	317.5	-	-	-	-
85.3	174.2	315.3	-	-	-	308.6
91.9	162.0	310.9	-	-	-	308.6
98.4	151.0	306.4	-	-	-	308.6
111.5	132.3	297.6	-	-	-	308.6
124.7	116.8	286.6	-	-	-	306.4
134.5	108.1	278.3	299.8	-	-	306.4
137.8	105.2	275.6	299.8	-	-	306.4
150.9	94.6	264.6	299.8	-	-	301.3
164.0	84.7	235.9	299.8	-	-	294.7
170.6	80.1	215.5	296.5	-	-	291.7
177.2	75.6	195.1	295.4	-	-	288.8
190.3	-	-	275.6	-	-	262.4
196.9	-	-	260.1	246.9	-	249.1
203.4	-	-	244.7	238.1	-	238.5
216.5	-	-	202.8	220.5	-	217.2
229.7	-	-	-	205.0	-	198.4
242.8	-	-	-	191.8	-	182.2
249.3	-	-	-	186.3	-	174.9
252.6	-	-	-	-	170.9	171.2
255.9	-	-	-	-	167.6	167.6
269.0	-	-	-	-	157.6	155.1
282.2	-	-	-	-	148.8	143.3
295.3	-	-	-	-	-	132.3
308.4	-	-	-	-	-	121.3
321.5	-	-	-	-	-	108.4
334.6	-	-	-	-	-	93.7
347.8	-	-	-	-	-	83.8

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **216.5 ft +**
 **196.9 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
			1,000 lb			
68.9	-	238.1*	-	-	-	-
72.2	-	235.9*	-	-	-	-
78.7	-	233.7*	-	-	-	-
82.0	167.6	238.1	-	-	-	-
85.3	160.9	238.1	-	-	-	-
91.9	149.9	235.9	-	-	-	-
98.4	138.9	233.7	-	-	-	231.5
111.5	121.3	231.5	-	-	-	231.5
124.7	107.8	224.9	-	-	-	230.8
137.8	95.9	220.5	-	-	-	229.3
150.9	86.0	215.0	218.3	-	-	229.3
164.0	77.4	208.3	218.3	-	-	227.1
177.2	69.9	201.7	218.3	-	-	222.7
190.3	63.5	189.6	218.3	-	-	216.8
203.4	57.8	163.1	217.2	-	-	211.6
206.7	56.3	156.3	216.9	-	-	210.5
216.5	52.0	135.6	216.1	187.4	-	207.2
229.7	-	-	196.2	187.4	-	199.9
242.8	-	-	170.9	187.4	-	184.5
252.6	-	-	151.0	178.3	-	173.4
255.9	-	-	-	175.3	-	169.8
269.0	-	-	-	164.2	-	156.5
278.9	-	-	-	157.6	145.5	147.2
282.2	-	-	-	155.4	143.3	144.4
288.7	-	-	-	151.0	139.3	138.9
295.3	-	-	-	-	135.6	133.4
308.4	-	-	-	-	127.9	123.5
321.5	-	-	-	-	121.3	114.7
334.6	-	-	-	-	-	106.0
347.8	-	-	-	-	-	94.6
360.9	-	-	-	-	-	82.7
374.0	-	-	-	-	-	72.8
383.9	-	-	-	-	-	65.9

 **216.5 ft +**
 **236.2 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
			1,000 lb			
78.7	-	178.6*	-	-	-	-
85.3	-	177.5*	-	-	-	-
91.9	137.8	178.6	-	-	-	-
98.4	127.9	177.5	-	-	-	-
111.5	111.3	176.4	-	-	-	174.2
124.7	98.3	174.2	-	-	-	174.2
137.8	87.1	170.9	-	-	-	174.2
150.9	77.4	167.6	-	-	-	172.0
164.0	69.2	164.2	-	-	-	169.8
167.3	67.4	163.4	155.4	-	-	169.2
177.2	61.9	160.9	155.4	-	-	167.6
190.3	55.6	157.6	155.4	-	-	163.9
203.4	50.0	153.2	155.4	-	-	160.2
216.5	45.2	149.9	155.4	-	-	156.5
229.7	40.8	137.8	155.4	-	-	152.7
239.5	38.0	124.6	155.4	131.2	-	150.1
242.8	37.0	120.2	155.4	131.2	-	149.2
246.1	36.2	115.4	155.4	131.2	-	148.3
252.6	34.4	106.0	155.4	131.2	-	146.4
255.9	-	-	155.4	131.2	-	145.5
269.0	-	-	144.4	131.2	-	140.7
282.2	-	-	126.8	131.2	-	137.1
292.0	-	-	112.4	131.2	-	134.3
295.3	-	-	-	131.2	-	133.4
305.1	-	-	-	131.2	112.4	126.8
308.4	-	-	-	131.2	112.4	124.6
321.5	-	-	-	126.8	112.4	114.8
328.1	-	-	-	120.2	111.2	110.5
334.6	-	-	-	-	110.0	106.3
347.8	-	-	-	-	104.3	98.2
360.9	-	-	-	-	99.0	90.2
374.0	-	-	-	-	-	82.2
387.1	-	-	-	-	-	71.9
400.3	-	-	-	-	-	61.6
413.4	-	-	-	-	-	55.3
423.2	-	-	-	-	-	47.4


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

216.5 ft + 275.6 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
85.3	-	132.3*	-	-	-	-
91.9	-	131.2*	-	-	-	-
98.4	-	130.1*	-	-	-	-
101.7	112.4	130.1	-	-	-	-
111.5	101.9	130.1	-	-	-	-
124.7	88.8	129.0	-	-	-	127.9
137.8	78.0	127.9	-	-	-	126.8
150.9	68.8	125.7	-	-	-	126.0
164.0	60.8	123.5	-	-	-	124.6
177.2	54.0	121.3	-	-	-	122.4
183.7	50.9	120.2	111.3	-	-	121.3
190.3	47.8	119.0	111.3	-	-	120.2
203.4	42.5	116.8	111.3	-	-	117.6
216.5	37.7	114.6	111.3	-	-	114.6
229.7	33.5	112.4	111.3	-	-	111.7
242.8	29.5	110.2	111.3	-	-	109.1
255.9	26.0	108.7	111.3	-	-	106.7
262.5	24.5	105.5	111.3	91.9	-	105.2
269.0	22.9	102.3	111.3	91.9	-	103.8
282.2	20.1	89.1	111.3	91.9	-	101.2
285.4	19.5	85.5	111.3	91.9	-	100.3
292.0	18.3	78.3	111.3	91.9	-	99.0
295.3	-	-	111.3	91.9	-	98.3
308.4	-	-	108.0	91.9	-	95.5
321.5	-	-	95.0	91.9	-	93.0
328.1	-	-	88.2	91.9	-	91.8
334.6	-	-	-	91.9	76.9	90.6
347.8	-	-	-	91.7	76.7	88.2
360.9	-	-	-	91.7	76.7	85.7
364.2	-	-	-	91.7	76.7	85.0
374.0	-	-	-	-	76.7	82.9
387.1	-	-	-	-	76.7	76.4
397.0	-	-	-	-	76.7	71.1
400.3	-	-	-	-	-	69.1
413.4	-	-	-	-	-	60.8
426.5	-	-	-	-	-	52.0
439.6	-	-	-	-	-	44.8
452.8	-	-	-	-	-	38.1
462.6	-	-	-	-	-	31.3

216.5 ft + 315.0 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
95.1	-	97.4*	-	-	-	-
98.4	-	97.0*	-	-	-	-
111.5	92.2	95.7	-	-	-	-
124.7	79.8	94.6	-	-	-	-
137.8	69.4	93.5	-	-	-	92.8
150.9	60.6	91.9	-	-	-	91.8
164.0	52.9	90.6	-	-	-	90.5
177.2	46.3	89.1	-	-	-	89.1
190.3	40.3	87.5	-	-	-	87.2
203.4	35.3	86.0	78.9	-	-	85.2
216.5	30.6	84.2	78.9	-	-	83.1
229.7	26.5	82.7	78.9	-	-	80.9
242.8	22.7	81.1	78.9	-	-	78.8
255.9	19.2	79.6	78.9	-	-	76.7
269.0	16.1	78.3	78.9	-	-	74.5
282.2	13.2	76.9	78.9	-	-	72.5
285.4	12.6	76.5	78.9	61.7	-	72.0
295.3	10.8	75.6	78.9	61.7	-	70.5
305.1	8.8	74.6	78.8	61.7	-	69.0
308.4	-	74.3	78.7	61.7	-	68.5
321.5	-	65.3	78.7	61.7	-	66.4
331.4	-	56.7	78.7	61.7	-	65.0
334.6	-	-	78.7	61.7	-	64.6
347.8	-	-	78.7	61.7	-	62.6
360.9	-	-	70.8	61.7	49.6	60.9
367.5	-	-	65.3	61.7	49.6	60.1
374.0	-	-	-	61.7	49.6	59.3
387.1	-	-	-	61.7	49.6	57.6
400.3	-	-	-	61.7	49.6	56.0
403.5	-	-	-	61.7	49.6	55.6
413.4	-	-	-	-	49.6	54.5
426.5	-	-	-	-	49.6	53.1
436.4	-	-	-	-	49.6	50.9
439.6	-	-	-	-	-	49.2
452.8	-	-	-	-	-	42.8
465.9	-	-	-	-	-	35.1
479.0	-	-	-	-	-	30.4
492.1	-	-	-	-	-	23.1
498.7	-	-	-	-	-	19.2

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **236.2 ft +**
 **78.7 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
42.7	-	518.1*	-	-	-	-
45.9	-	511.5*	-	-	-	-
52.5	-	529.1	-	-	-	-
55.8	286.6	524.7	-	-	-	-
59.1	273.4	520.3	-	-	-	504.9
65.6	249.1	507.1	-	-	-	504.9
72.2	227.1	491.6	-	-	-	504.9
78.7	210.5	478.4	-	-	-	504.9
85.3	195.1	463.0	-	-	-	504.9
91.9	181.9	447.5	-	-	-	498.2
95.1	176.4	440.9	-	-	-	493.8
98.4	170.9	434.3	-	-	-	493.8
105.0	160.9	412.3	-	-	-	481.3
108.3	-	-	502.7	-	-	479.5
111.5	-	-	502.7	-	-	477.7
124.7	-	-	451.9	-	-	446.8
137.8	-	-	405.7	-	-	392.4
144.4	-	-	388.0	-	-	371.1
150.9	-	-	-	-	-	349.8
160.8	-	-	-	319.7	-	320.0
164.0	-	-	-	310.9	-	311.6
177.2	-	-	-	284.4	-	277.8
183.7	-	-	-	273.4	-	264.6
190.3	-	-	-	-	-	251.3
203.4	-	-	-	-	-	227.1
206.7	-	-	-	-	222.7	222.1
216.5	-	-	-	-	210.5	207.2
219.8	-	-	-	-	207.2	202.8
229.7	-	-	-	-	-	189.6
242.8	-	-	-	-	-	173.8
255.9	-	-	-	-	-	159.8
269.0	-	-	-	-	-	142.2
282.2	-	-	-	-	-	123.5
288.7	-	-	-	-	-	115.7

 **236.2 ft +**
 **118.1 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
52.5	-	385.8*	-	-	-	-
59.1	-	379.2*	-	-	-	-
65.6	229.3	390.2	-	-	-	-
72.2	211.6	383.6	-	-	-	374.8
78.7	195.1	377.0	-	-	-	374.8
85.3	180.8	370.4	-	-	-	374.8
91.9	167.6	361.6	-	-	-	374.8
98.4	156.5	352.7	-	-	-	374.8
111.5	137.8	335.1	-	-	-	372.6
124.7	123.5	317.5	374.8	-	-	367.4
134.5	114.4	299.3	371.5	-	-	366.3
137.8	111.3	293.2	370.4	-	-	366.0
141.1	107.8	273.4	366.0	-	-	359.0
150.9	-	-	359.4	-	-	344.7
164.0	-	-	328.5	-	-	317.5
177.2	-	-	299.8	-	-	282.2
183.7	-	-	282.2	266.8	-	269.0
190.3	-	-	-	255.7	-	255.7
203.4	-	-	-	238.1	-	231.5
216.5	-	-	-	220.5	-	211.6
219.8	-	-	-	217.2	-	207.2
229.7	-	-	-	-	-	194.0
236.2	-	-	-	-	185.2	185.2
242.8	-	-	-	-	178.6	177.5
255.9	-	-	-	-	167.6	162.0
269.0	-	-	-	-	-	149.5
282.2	-	-	-	-	-	137.8
295.3	-	-	-	-	-	127.9
308.4	-	-	-	-	-	111.7
321.5	-	-	-	-	-	95.8
324.8	-	-	-	-	-	93.7


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

236.2 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
59.1	-	291.0*	-	-	-	-
65.6	-	286.6*	-	-	-	-
72.2	-	284.4*	-	-	-	-
75.5	186.3	291.0	-	-	-	-
78.7	179.7	291.0	-	-	-	-
85.3	166.4	288.8	-	-	-	-
88.6	160.4	286.6	-	-	-	282.2
91.9	154.3	284.4	-	-	-	282.2
98.4	144.4	280.0	-	-	-	282.2
111.5	126.8	271.2	-	-	-	282.2
124.7	112.4	262.4	-	-	-	282.2
137.8	100.5	251.3	-	-	-	282.2
141.1	98.1	248.6	275.6	-	-	279.3
150.9	90.6	240.3	275.6	-	-	277.0
164.0	82.0	231.5	273.4	-	-	271.9
170.6	78.2	216.6	272.3	-	-	270.4
177.2	74.3	201.7	271.2	-	-	269.0
180.4	72.3	189.6	267.9	-	-	264.9
190.3	-	-	264.6	-	-	252.8
203.4	-	-	251.3	-	-	234.1
206.7	-	-	243.6	227.1	-	228.7
216.5	-	-	220.5	215.0	-	212.7
219.8	-	-	209.4	211.3	-	208.3
229.7	-	-	-	199.5	-	195.1
242.8	-	-	-	187.4	-	178.9
255.9	-	-	-	175.3	-	164.2
259.2	-	-	-	173.1	-	160.9
262.5	-	-	-	-	156.5	157.6
269.0	-	-	-	-	151.0	151.0
282.2	-	-	-	-	143.3	139.1
295.3	-	-	-	-	135.6	129.0
308.4	-	-	-	-	-	118.7
321.5	-	-	-	-	-	108.5
334.6	-	-	-	-	-	98.5
347.8	-	-	-	-	-	84.9
360.9	-	-	-	-	-	73.9
364.2	-	-	-	-	-	72.1

236.2 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
68.9	-	219.4*	-	-	-	-
72.2	-	219.4*	-	-	-	-
78.7	-	217.2*	-	-	-	-
85.3	153.2	220.5	-	-	-	-
91.9	142.2	219.4	-	-	-	-
98.4	132.3	217.2	-	-	-	-
101.7	128.1	216.3	-	-	-	213.8
111.5	115.7	213.8	-	-	-	213.8
124.7	102.7	208.3	-	-	-	213.5
137.8	91.5	202.8	-	-	-	212.7
150.9	81.8	197.3	-	-	-	212.0
157.5	77.7	194.0	201.7	-	-	211.6
164.0	73.6	190.7	201.7	-	-	209.1
177.2	66.4	184.1	201.7	-	-	206.1
190.3	60.2	178.6	201.7	-	-	202.5
203.4	54.7	166.4	201.7	-	-	197.7
210.0	52.4	153.2	200.6	-	-	195.8
216.5	50.0	140.0	200.6	-	-	194.0
226.4	-	-	198.1	174.2	-	189.6
229.7	-	-	197.3	174.2	-	188.5
242.8	-	-	180.8	173.1	-	179.7
255.9	-	-	154.3	170.9	-	166.4
259.2	-	-	147.7	168.1	-	163.1
269.0	-	-	-	159.8	-	153.2
282.2	-	-	-	151.0	-	141.1
292.0	-	-	-	144.4	132.3	132.8
295.3	-	-	-	142.2	130.1	130.1
298.6	-	-	-	141.1	128.1	127.5
308.4	-	-	-	-	122.4	119.8
321.5	-	-	-	-	115.7	110.5
331.4	-	-	-	-	111.3	104.2
334.6	-	-	-	-	-	102.1
347.8	-	-	-	-	-	94.0
360.9	-	-	-	-	-	85.2
374.0	-	-	-	-	-	74.3
387.1	-	-	-	-	-	63.1
400.3	-	-	-	-	-	55.4
403.5	-	-	-	-	-	53.4

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **236.2 ft +**
 **236.2 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
78.7	-	166.4*	-	-	-	-
85.3	-	165.3*	-	-	-	-
91.9	-	163.1*	-	-	-	-
95.1	125.7	165.3	-	-	-	-
98.4	121.3	165.3	-	-	-	-
111.5	106.5	163.1	-	-	-	-
114.8	103.2	162.6	-	-	-	159.8
124.7	93.5	160.9	-	-	-	159.8
137.8	82.5	158.7	-	-	-	159.8
150.9	73.4	155.4	-	-	-	158.4
164.0	65.3	152.1	-	-	-	156.5
173.9	60.1	149.6	144.4	-	-	154.9
177.2	58.4	148.8	144.4	-	-	154.3
190.3	52.5	144.4	144.4	-	-	151.4
203.4	47.2	141.1	144.4	-	-	148.6
216.5	42.3	136.7	144.4	-	-	145.5
229.7	38.1	133.4	144.4	-	-	142.6
242.8	34.4	122.4	144.4	-	-	138.5
246.1	33.6	117.7	144.4	-	-	137.8
249.3	32.7	113.1	144.4	122.4	-	137.1
255.9	31.1	103.8	144.4	122.4	-	135.6
269.0	-	-	144.4	122.4	-	131.9
282.2	-	-	133.4	122.4	-	128.6
295.3	-	-	115.7	122.4	-	125.7
308.4	-	-	-	122.4	-	119.3
318.2	-	-	-	122.4	104.9	113.5
321.5	-	-	-	122.4	104.9	111.3
334.6	-	-	-	116.8	104.1	102.3
347.8	-	-	-	-	98.5	94.2
360.9	-	-	-	-	93.5	86.5
370.7	-	-	-	-	89.9	81.1
374.0	-	-	-	-	-	79.4
387.1	-	-	-	-	-	72.2
400.3	-	-	-	-	-	63.8
413.4	-	-	-	-	-	54.2
426.5	-	-	-	-	-	46.2
439.6	-	-	-	-	-	39.0

 **236.2 ft +**
 **275.6 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
88.6	-	123.5*	-	-	-	-
91.9	-	122.4*	-	-	-	-
98.4	-	122.4*	-	-	-	-
105.0	103.4	122.4	-	-	-	-
111.5	96.3	121.3	-	-	-	-
124.7	84.0	120.2	-	-	-	-
128.0	81.4	119.9	-	-	-	119.0
137.8	73.6	119.0	-	-	-	119.0
150.9	64.8	116.8	-	-	-	118.3
164.0	57.1	115.7	-	-	-	116.8
177.2	50.5	113.5	-	-	-	114.6
190.3	44.5	111.3	104.9	-	-	113.2
203.4	39.5	109.3	104.9	-	-	111.2
216.5	34.8	107.1	104.9	-	-	108.9
229.7	30.6	104.7	104.9	-	-	106.4
242.8	27.1	102.3	104.9	-	-	103.9
255.9	23.6	100.1	104.9	-	-	101.4
269.0	20.7	97.9	104.9	85.8	-	99.1
282.2	17.9	92.2	104.9	85.8	-	96.3
285.4	17.3	88.6	104.9	85.8	-	95.7
292.0	16.1	81.6	104.9	85.8	-	94.5
295.3	-	-	104.9	85.8	-	93.9
308.4	-	-	104.9	85.8	-	91.6
321.5	-	-	101.6	85.8	-	89.1
334.6	-	-	87.7	85.8	-	86.9
344.5	-	-	-	85.8	71.9	84.9
347.8	-	-	-	85.8	71.9	84.4
360.9	-	-	-	85.8	71.9	82.2
374.0	-	-	-	85.5	71.9	79.8
387.1	-	-	-	-	71.7	73.3
400.3	-	-	-	-	71.7	67.1
410.1	-	-	-	-	71.7	62.6
413.4	-	-	-	-	-	61.1
426.5	-	-	-	-	-	53.7
439.6	-	-	-	-	-	45.9
452.8	-	-	-	-	-	37.7
465.9	-	-	-	-	-	31.4
479.0	-	-	-	-	-	24.5


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

236.2 ft + 315.0 ft

ft	SWSL-1					SFSL-1	
	0 lb	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°	
			1,000 lb				
95.1	-	91.5*	-	-	-	-	
98.4	-	91.3*	-	-	-	-	
111.5	-	90.2*	-	-	-	-	
114.8	83.6	89.5	-	-	-	-	
124.7	74.7	89.1	-	-	-	-	
137.8	65.0	88.4	-	-	-	-	
141.1	62.9	88.1	-	-	-	87.5	
150.9	56.4	87.1	-	-	-	86.7	
164.0	49.2	85.8	-	-	-	85.7	
177.2	42.8	84.4	-	-	-	84.7	
190.3	37.3	82.9	-	-	-	82.9	
203.4	32.2	81.4	-	-	-	81.1	
206.7	31.1	81.0	73.6	-	-	80.7	
216.5	27.8	79.8	73.6	-	-	79.6	
229.7	23.8	78.3	73.6	-	-	77.5	
242.8	20.1	76.9	73.6	-	-	75.5	
255.9	16.8	75.4	73.6	-	-	73.4	
269.0	13.9	73.9	73.6	-	-	71.5	
282.2	11.0	72.5	73.6	-	-	69.6	
292.0	9.3	71.5	73.6	57.5	-	68.2	
295.3	-	71.2	73.6	57.5	-	67.7	
308.4	-	70.1	73.6	57.5	-	65.8	
321.5	-	66.8	73.6	57.5	-	63.9	
324.8	-	64.1	73.6	57.5	-	63.5	
331.4	-	58.6	73.6	57.5	-	62.6	
334.6	-	-	73.6	57.5	-	62.2	
347.8	-	-	73.6	57.5	-	60.2	
360.9	-	-	73.6	57.5	-	58.5	
370.7	-	-	67.0	57.5	-	57.3	
374.0	-	-	-	57.5	46.1	56.9	
387.1	-	-	-	57.5	46.1	55.2	
400.3	-	-	-	57.5	46.1	53.5	
410.1	-	-	-	57.5	45.9	52.4	
413.4	-	-	-	-	45.9	52.0	
426.5	-	-	-	-	45.9	50.7	
439.6	-	-	-	-	45.9	48.0	
446.2	-	-	-	-	45.9	46.0	
452.8	-	-	-	-	-	43.2	
465.9	-	-	-	-	-	36.0	
479.0	-	-	-	-	-	28.8	
492.1	-	-	-	-	-	23.1	
515.1	-	-	-	-	-	12.1	

255.9 ft + 78.7 ft

ft	SWSL-1					SFSL-1	
	0 lb	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°	
			1,000 lb				
42.7	-	432.1*	-	-	-	-	
45.9	-	427.7*	-	-	-	-	
52.5	-	416.7*	-	-	-	-	
55.8	275.6	432.1	-	-	-	-	
59.1	262.4	427.7	-	-	-	-	
62.3	249.1	423.3	-	-	-	418.9	
65.6	238.1	416.7	-	-	-	418.9	
72.2	219.4	403.4	-	-	-	418.9	
78.7	202.8	390.2	-	-	-	418.9	
85.3	188.5	377.0	-	-	-	416.7	
91.9	175.3	363.8	-	-	-	414.5	
95.1	169.8	358.3	-	-	-	412.3	
98.4	164.2	352.7	-	-	-	410.1	
105.0	154.3	341.7	-	-	-	407.1	
111.5	-	-	405.7	-	-	404.2	
124.7	-	-	392.4	-	-	392.4	
137.8	-	-	372.6	-	-	383.6	
150.9	-	-	346.1	-	-	346.9	
164.0	-	-	-	-	-	311.6	
170.6	-	-	-	293.2	-	294.7	
177.2	-	-	-	280.0	-	277.8	
190.3	-	-	-	257.9	-	251.3	
203.4	-	-	-	-	-	226.4	
216.5	-	-	-	-	-	206.1	
219.8	-	-	-	-	201.7	201.7	
229.7	-	-	-	-	191.8	188.5	
242.8	-	-	-	-	-	172.3	
255.9	-	-	-	-	-	157.6	
269.0	-	-	-	-	-	145.1	
282.2	-	-	-	-	-	130.8	
295.3	-	-	-	-	-	114.6	
305.1	-	-	-	-	-	102.5	

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

255.9 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
52.5	-	324.1*	-	-	-	-
59.1	-	317.5*	-	-	-	-
65.6	220.5	326.3	-	-	-	-
72.2	202.8	319.7	-	-	-	-
75.5	195.1	316.4	-	-	-	313.1
78.7	187.4	313.1	-	-	-	313.1
85.3	173.1	306.4	-	-	-	313.1
91.9	160.9	297.6	-	-	-	313.1
98.4	151.0	291.0	-	-	-	313.1
111.5	133.4	273.4	-	-	-	308.6
124.7	119.0	257.9	-	-	-	305.0
128.0	116.1	254.6	304.2	-	-	304.2
134.5	110.1	248.0	304.2	-	-	302.8
137.8	107.1	244.7	302.0	-	-	302.0
144.4	102.3	238.1	297.6	-	-	296.9
150.9	-	-	293.2	-	-	293.9
164.0	-	-	280.0	-	-	285.1
177.2	-	-	264.6	-	-	277.8
187.0	-	-	253.5	-	-	260.1
190.3	-	-	-	253.5	-	254.3
203.4	-	-	-	233.7	-	231.5
216.5	-	-	-	217.2	-	210.5
229.7	-	-	-	202.8	-	192.9
242.8	-	-	-	-	-	176.4
246.1	-	-	-	-	172.0	172.5
255.9	-	-	-	-	163.1	160.9
269.0	-	-	-	-	154.3	148.4
282.2	-	-	-	-	-	137.1
295.3	-	-	-	-	-	125.7
308.4	-	-	-	-	-	115.4
321.5	-	-	-	-	-	103.3
334.6	-	-	-	-	-	89.5
344.5	-	-	-	-	-	80.2

255.9 ft + 157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
62.3	-	244.7*	-	-	-	-
65.6	-	242.5*	-	-	-	-
72.2	-	240.3*	-	-	-	-
75.5	178.6	246.9	-	-	-	-
78.7	172.0	246.9	-	-	-	-
85.3	158.7	244.7	-	-	-	-
88.6	153.2	242.5	-	-	-	235.9
91.9	147.7	240.3	-	-	-	235.9
98.4	137.8	235.9	-	-	-	235.9
111.5	121.3	227.1	-	-	-	235.9
124.7	107.8	217.2	-	-	-	234.4
137.8	96.3	207.2	-	-	-	231.5
147.6	89.2	199.8	229.3	-	-	229.3
150.9	86.9	197.3	229.3	-	-	228.5
164.0	78.7	189.6	227.1	-	-	224.9
170.6	75.2	185.7	223.8	-	-	222.7
177.2	71.7	181.9	220.5	-	-	220.5
180.4	70.1	179.7	219.1	-	-	219.4
190.3	-	-	215.0	-	-	216.1
203.4	-	-	207.2	-	-	208.9
213.3	-	-	200.3	197.3	-	204.5
216.5	-	-	198.4	197.3	-	202.8
226.4	-	-	190.7	195.8	-	193.5
229.7	-	-	-	195.1	-	190.3
242.8	-	-	-	183.0	-	176.7
255.9	-	-	-	170.9	-	162.0
269.0	-	-	-	160.9	-	148.8
275.6	-	-	-	-	142.2	142.2
282.2	-	-	-	-	137.8	137.1
295.3	-	-	-	-	130.1	125.7
305.1	-	-	-	-	125.7	117.9
308.4	-	-	-	-	-	115.4
321.5	-	-	-	-	-	106.0
334.6	-	-	-	-	-	97.7
347.8	-	-	-	-	-	88.8
360.9	-	-	-	-	-	77.5
374.0	-	-	-	-	-	65.3
380.6	-	-	-	-	-	61.5

	0 lb	143,300 lb	275,600 lb	363,800 lb
	452,000 lb	540,200 lb	628,400 lb	716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

255.9 ft + 196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
68.9	-	189.6*	-	-	-	-
72.2	-	188.5*	-	-	-	-
78.7	-	186.3*	-	-	-	-
85.3	146.6	188.5	-	-	-	-
91.9	136.7	187.4	-	-	-	-
98.4	126.8	185.2	-	-	-	-
101.7	122.9	184.1	-	-	-	181.9
111.5	111.3	180.8	-	-	-	181.9
124.7	98.3	176.4	-	-	-	181.5
137.8	87.5	169.8	-	-	-	180.8
150.9	78.0	164.2	-	-	-	178.6
160.8	72.1	159.3	172.0	-	-	176.9
164.0	70.1	157.6	172.0	-	-	176.4
177.2	63.3	151.0	172.0	-	-	174.2
190.3	57.3	145.5	172.0	-	-	171.2
203.4	52.0	140.0	169.8	-	-	167.6
210.0	49.8	137.8	167.6	-	-	165.3
216.5	47.6	135.6	165.3	-	-	163.1
219.8	46.5	134.5	164.2	-	-	162.0
229.7	-	-	160.9	-	-	158.7
236.2	-	-	158.2	144.4	-	156.5
242.8	-	-	155.4	144.4	-	154.3
255.9	-	-	149.9	144.4	-	149.9
262.5	-	-	146.6	144.4	-	148.1
269.0	-	-	-	144.4	-	146.2
282.2	-	-	-	143.3	-	139.1
295.3	-	-	-	140.0	-	129.0
301.8	-	-	-	135.6	121.3	123.8
305.1	-	-	-	133.4	120.2	121.3
308.4	-	-	-	-	117.9	118.7
321.5	-	-	-	-	111.3	109.1
334.6	-	-	-	-	106.3	100.1
344.5	-	-	-	-	102.1	94.0
347.8	-	-	-	-	-	92.0
360.9	-	-	-	-	-	84.2
374.0	-	-	-	-	-	77.2
387.1	-	-	-	-	-	67.6
400.3	-	-	-	-	-	57.7
413.4	-	-	-	-	-	49.2
419.9	-	-	-	-	-	46.1

255.9 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
78.7	-	142.2*	-	-	-	-
85.3	-	141.1*	-	-	-	-
91.9	-	140.0*	-	-	-	-
95.1	120.2	141.1	-	-	-	-
98.4	115.7	141.1	-	-	-	-
111.5	101.4	138.9	-	-	-	-
114.8	98.3	138.3	-	-	-	136.7
124.7	88.8	136.7	-	-	-	136.7
137.8	78.5	133.4	-	-	-	136.7
150.9	69.7	130.1	-	-	-	135.2
164.0	62.2	126.8	-	-	-	133.7
177.2	55.3	122.4	125.7	-	-	132.3
190.3	49.6	119.0	125.7	-	-	130.1
203.4	44.5	114.6	125.7	-	-	127.5
216.5	39.9	110.2	125.7	-	-	124.6
229.7	35.7	107.4	124.6	-	-	122.4
242.8	32.2	103.8	123.5	-	-	119.8
249.3	30.5	102.2	122.4	-	-	118.3
255.9	28.9	100.5	121.3	-	-	116.8
259.2	-	-	120.4	105.6	-	115.2
269.0	-	-	117.9	105.6	-	113.5
282.2	-	-	115.7	105.6	-	110.3
295.3	-	-	111.3	105.6	-	107.6
301.8	-	-	110.2	105.4	-	105.6
308.4	-	-	-	105.4	-	104.0
321.5	-	-	-	105.4	-	100.9
328.1	-	-	-	104.9	88.8	99.3
334.6	-	-	-	104.7	88.2	97.7
344.5	-	-	-	104.5	88.2	93.0
347.8	-	-	-	-	88.2	91.5
360.9	-	-	-	-	88.2	84.7
374.0	-	-	-	-	84.7	77.6
383.9	-	-	-	-	81.6	72.6
387.1	-	-	-	-	-	71.0
400.3	-	-	-	-	-	64.7
413.4	-	-	-	-	-	57.8
426.5	-	-	-	-	-	48.9
439.6	-	-	-	-	-	40.0
452.8	-	-	-	-	-	34.6
456.0	-	-	-	-	-	32.6

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

 363,800 lb +
  110,200 lb
  36.1-62.3 ft
  27.6 ft
  32.2 ft/s
  360°
  75%

 255.9 ft +
  275.6 ft

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
88.6	-	107.8*	-	-	-	-
91.9	-	107.4*	-	-	-	-
98.4	-	106.5*	-	-	-	-
105.0	98.1	106.7	-	-	-	-
111.5	91.3	106.0	-	-	-	-
124.7	79.6	104.9	-	-	-	-
128.0	77.1	104.5	-	-	-	103.6
137.8	69.7	103.2	-	-	-	103.2
150.9	61.1	101.2	-	-	-	102.6
164.0	53.8	99.2	-	-	-	101.6
177.2	47.4	97.0	-	-	-	100.1
190.3	41.7	94.4	-	-	-	98.5
196.9	39.2	93.1	91.5	-	-	97.7
203.4	36.8	91.9	91.5	-	-	96.8
216.5	32.4	89.5	91.5	-	-	94.8
229.7	28.4	86.9	91.5	-	-	92.7
242.8	24.9	84.2	91.5	-	-	90.6
255.9	21.6	81.8	91.5	-	-	88.4
269.0	18.7	79.4	91.5	-	-	86.3
282.2	15.9	77.2	91.3	74.5	-	84.1
285.4	15.3	76.6	90.9	74.5	-	83.6
295.3	13.7	74.7	89.7	74.5	-	82.0
308.4	-	-	88.2	74.5	-	79.6
321.5	-	-	86.2	74.5	-	77.5
334.6	-	-	84.2	74.3	-	75.4
337.9	-	-	83.8	74.3	-	74.4
347.8	-	-	-	74.3	-	72.8
357.6	-	-	-	74.3	61.3	71.0
360.9	-	-	-	74.3	61.1	70.2
374.0	-	-	-	74.3	61.1	67.9
380.6	-	-	-	74.3	61.1	66.9
387.1	-	-	-	-	61.1	65.8
400.3	-	-	-	-	60.6	63.5
413.4	-	-	-	-	60.6	58.6
419.9	-	-	-	-	60.6	55.9
426.5	-	-	-	-	-	53.2
439.6	-	-	-	-	-	47.1
452.8	-	-	-	-	-	39.9
465.9	-	-	-	-	-	32.3
479.0	-	-	-	-	-	25.2
492.1	-	-	-	-	-	20.1
495.4	-	-	-	-	-	18.1

 255.9 ft +
  315.0 ft

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
98.4	-	79.4*	-	-	-	-
111.5	-	78.3*	-	-	-	-
118.1	75.0	77.8	-	-	-	-
124.7	70.5	77.4	-	-	-	-
137.8	61.1	76.7	-	-	-	-
141.1	59.0	76.4	-	-	-	75.8
150.9	52.9	75.4	-	-	-	75.3
164.0	45.9	74.3	-	-	-	74.6
177.2	39.7	72.8	-	-	-	73.9
190.3	34.4	71.4	-	-	-	72.4
203.4	29.5	69.7	-	-	-	70.9
213.3	26.2	68.5	64.2	-	-	69.8
216.5	25.1	68.1	64.2	-	-	69.4
229.7	21.4	66.4	64.2	-	-	67.8
242.8	17.9	64.8	64.2	-	-	66.1
255.9	14.8	63.1	64.2	-	-	64.4
269.0	11.9	61.3	64.2	-	-	62.6
282.2	9.3	59.5	64.2	-	-	60.8
295.3	-	58.0	64.2	-	-	59.1
301.8	-	57.2	64.2	49.6	-	58.4
308.4	-	56.4	64.2	49.6	-	57.5
321.5	-	54.9	63.7	49.6	-	55.8
324.8	-	54.6	63.6	49.6	-	55.3
334.6	-	53.6	63.3	49.6	-	54.0
347.8	-	-	62.8	49.6	-	52.5
360.9	-	-	61.9	49.6	-	50.7
374.0	-	-	61.3	49.6	-	49.2
377.3	-	-	61.1	49.6	-	48.6
383.9	-	-	-	49.6	38.8	47.8
387.1	-	-	-	49.6	38.8	47.5
400.3	-	-	-	49.6	38.8	45.9
413.4	-	-	-	49.6	38.8	44.3
419.9	-	-	-	49.6	38.8	43.7
426.5	-	-	-	-	38.8	42.4
439.6	-	-	-	-	38.8	40.8
452.8	-	-	-	-	38.8	39.2
459.3	-	-	-	-	38.8	37.3
465.9	-	-	-	-	-	35.3
479.0	-	-	-	-	-	30.1
492.1	-	-	-	-	-	23.4
518.4	-	-	-	-	-	12.3
524.9	-	-	-	-	-	9.7

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  540,200 lb
  628,400 lb
  716,600 lb

* Main boom angle 87°

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



SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

275.6 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
45.9	-	385.8*	-	-	-	-
52.5	-	374.8*	-	-	-	-
59.1	249.1	385.8	-	-	-	-
62.3	238.1	381.4	-	-	-	374.8
65.6	227.1	377.0	-	-	-	374.8
72.2	209.4	366.0	-	-	-	374.8
78.7	192.9	352.7	-	-	-	372.6
85.3	179.7	341.7	-	-	-	372.6
91.9	167.6	330.7	-	-	-	370.4
98.4	156.5	319.7	-	-	-	366.0
108.3	143.3	304.2	-	-	-	361.6
111.5	-	-	-	-	-	360.1
118.1	-	-	361.6	-	-	357.1
124.7	-	-	354.9	-	-	350.5
137.8	-	-	335.1	-	-	341.7
150.9	-	-	315.3	-	-	331.4
154.2	-	-	308.6	-	-	328.9
164.0	-	-	-	-	-	309.4
177.2	-	-	-	273.4	-	275.6
190.3	-	-	-	251.3	-	249.1
200.1	-	-	-	238.1	-	230.4
203.4	-	-	-	-	-	224.9
216.5	-	-	-	-	-	202.8
229.7	-	-	-	-	-	185.9
232.9	-	-	-	-	181.9	181.7
242.8	-	-	-	-	174.2	170.1
255.9	-	-	-	-	-	155.4
269.0	-	-	-	-	-	142.2
282.2	-	-	-	-	-	130.1
295.3	-	-	-	-	-	119.0
308.4	-	-	-	-	-	104.2
321.5	-	-	-	-	-	88.6

	0 lb	143,300 lb	275,600 lb	363,800 lb
	452,000 lb	540,200 lb	628,400 lb	716,600 lb

275.6 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
52.5	-	295.4*	-	-	-	-
59.1	-	288.8*	-	-	-	-
65.6	-	282.2*	-	-	-	-
68.9	200.6	293.2	-	-	-	-
72.2	192.9	291.0	-	-	-	-
75.5	185.7	287.7	-	-	-	282.2
78.7	178.6	284.4	-	-	-	282.2
85.3	165.3	277.8	-	-	-	282.2
91.9	154.3	271.2	-	-	-	282.2
98.4	143.3	264.6	-	-	-	282.2
111.5	126.8	249.1	-	-	-	277.8
124.7	113.5	235.9	-	-	-	273.4
134.5	105.1	226.0	271.2	-	-	270.1
137.8	102.3	222.7	271.2	-	-	269.0
144.4	97.4	218.3	267.5	-	-	266.0
150.9	-	-	264.6	-	-	263.1
164.0	-	-	253.5	-	-	256.5
177.2	-	-	240.3	-	-	249.1
190.3	-	-	224.9	-	-	240.3
193.6	-	-	222.7	-	-	238.1
200.1	-	-	-	229.3	-	231.5
203.4	-	-	-	227.1	-	227.1
216.5	-	-	-	211.6	-	207.2
229.7	-	-	-	197.3	-	188.9
236.2	-	-	-	190.7	-	179.7
242.8	-	-	-	-	-	172.3
255.9	-	-	-	-	-	157.6
259.2	-	-	-	-	154.3	154.5
269.0	-	-	-	-	147.7	145.1
278.9	-	-	-	-	141.1	136.0
282.2	-	-	-	-	-	133.0
295.3	-	-	-	-	-	121.3
308.4	-	-	-	-	-	111.7
321.5	-	-	-	-	-	102.2
334.6	-	-	-	-	-	92.8
347.8	-	-	-	-	-	79.5
360.9	-	-	-	-	-	67.2

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **275.6 ft +**
 **157.5 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
62.3	-	224.9*	-	-	-	-
65.6	-	222.7*	-	-	-	-
72.2	-	219.4*	-	-	-	-
78.7	163.1	222.7	-	-	-	-
85.3	151.0	220.5	-	-	-	-
91.9	141.1	217.2	-	-	-	216.1
98.4	131.2	213.8	-	-	-	216.1
111.5	115.7	205.0	-	-	-	215.3
124.7	102.5	196.2	-	-	-	213.5
137.8	91.7	187.4	-	-	-	210.5
150.9	82.5	178.6	206.1	-	-	207.6
164.0	74.5	170.9	203.9	-	-	203.9
173.9	69.6	165.1	200.6	-	-	200.6
177.2	67.9	163.1	199.5	-	-	199.5
183.7	65.0	159.8	196.2	-	-	197.3
190.3	-	-	192.9	-	-	195.1
203.4	-	-	185.2	-	-	189.6
216.5	-	-	178.6	-	-	184.1
223.1	-	-	174.2	176.4	-	180.0
229.7	-	-	169.8	175.3	-	177.1
242.8	-	-	-	174.2	-	169.4
255.9	-	-	-	167.6	-	159.8
269.0	-	-	-	157.6	-	146.6
275.6	-	-	-	153.2	-	140.0
282.2	-	-	-	-	-	134.9
285.4	-	-	-	-	130.1	132.1
295.3	-	-	-	-	124.6	123.5
308.4	-	-	-	-	117.9	113.3
318.2	-	-	-	-	113.5	106.0
321.5	-	-	-	-	-	103.7
334.6	-	-	-	-	-	94.6
347.8	-	-	-	-	-	86.6
360.9	-	-	-	-	-	78.0
374.0	-	-	-	-	-	68.8
387.1	-	-	-	-	-	57.5
397.0	-	-	-	-	-	50.9

 **275.6 ft +**
 **196.9 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
72.2	-	173.1*	-	-	-	-
78.7	-	170.9*	-	-	-	-
85.3	-	168.7*	-	-	-	-
88.6	133.4	172.0	-	-	-	-
91.9	129.0	170.9	-	-	-	-
98.4	120.2	169.8	-	-	-	-
105.0	112.9	167.6	-	-	-	-
111.5	105.6	165.3	-	-	-	166.4
124.7	93.0	159.8	-	-	-	165.0
137.8	82.7	154.3	-	-	-	164.2
150.9	73.9	148.8	-	-	-	162.0
164.0	66.4	143.3	-	-	-	159.8
167.3	64.7	141.6	153.2	-	-	159.3
177.2	59.7	136.7	153.2	-	-	157.6
190.3	54.0	131.2	152.1	-	-	154.7
203.4	48.9	126.8	149.9	-	-	151.2
210.0	46.7	124.6	147.7	-	-	149.5
216.5	44.5	122.4	145.5	-	-	147.7
219.8	43.4	121.3	144.4	-	-	146.8
229.7	-	-	141.1	-	-	144.0
242.8	-	-	135.6	130.1	-	139.3
255.9	-	-	130.1	130.1	-	135.6
269.0	-	-	124.6	130.1	-	130.8
282.2	-	-	-	126.8	-	126.8
295.3	-	-	-	123.5	-	122.4
308.4	-	-	-	119.0	-	114.0
311.7	-	-	-	117.4	107.4	111.9
315.0	-	-	-	115.7	107.4	109.8
321.5	-	-	-	-	105.6	105.2
334.6	-	-	-	-	99.9	96.1
347.8	-	-	-	-	94.6	88.0
354.3	-	-	-	-	92.2	84.0
360.9	-	-	-	-	-	80.4
374.0	-	-	-	-	-	73.2
387.1	-	-	-	-	-	66.7
400.3	-	-	-	-	-	58.8
413.4	-	-	-	-	-	49.4
426.5	-	-	-	-	-	40.0
436.4	-	-	-	-	-	36.4


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

275.6 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
78.7	-	131.2*	-	-	-	-
85.3	-	130.1*	-	-	-	-
91.9	-	129.0*	-	-	-	-
98.4	109.8	130.1	-	-	-	-
111.5	95.5	127.9	-	-	-	-
118.1	89.6	126.2	-	-	-	125.7
124.7	83.8	124.6	-	-	-	125.3
137.8	73.9	122.4	-	-	-	124.6
150.9	65.5	119.0	-	-	-	123.1
164.0	58.2	114.6	-	-	-	121.6
177.2	51.8	111.3	-	-	-	120.2
183.7	49.1	109.6	114.6	-	-	119.0
190.3	46.3	107.8	114.6	-	-	117.9
203.4	41.2	103.8	114.6	-	-	116.2
216.5	36.8	100.1	113.5	-	-	113.5
229.7	33.1	96.6	113.5	-	-	111.2
242.8	29.5	93.0	111.3	-	-	108.5
249.3	28.0	91.5	110.2	-	-	107.1
255.9	26.5	89.9	109.1	-	-	105.6
259.2	25.6	89.1	108.4	-	-	104.9
265.7	-	-	106.8	95.0	-	103.5
269.0	-	-	106.0	95.0	-	102.7
282.2	-	-	103.0	95.0	-	99.9
295.3	-	-	99.2	95.0	-	97.0
305.1	-	-	96.3	95.0	-	94.6
308.4	-	-	-	95.0	-	93.8
321.5	-	-	-	94.6	-	90.1
334.6	-	-	-	93.3	-	86.9
341.2	-	-	-	91.9	78.5	85.1
347.8	-	-	-	90.6	77.8	83.3
351.1	-	-	-	89.7	77.8	82.6
360.9	-	-	-	-	77.8	79.1
374.0	-	-	-	-	77.8	73.6
387.1	-	-	-	-	75.0	67.1
393.7	-	-	-	-	73.0	63.9
400.3	-	-	-	-	-	60.9
413.4	-	-	-	-	-	54.9
426.5	-	-	-	-	-	48.1
439.6	-	-	-	-	-	40.7
452.8	-	-	-	-	-	32.6
465.9	-	-	-	-	-	26.2
475.7	-	-	-	-	-	21.6

275.6 ft + 275.6 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
88.6	-	99.2*	-	-	-	-
91.9	-	98.8*	-	-	-	-
98.4	-	97.9*	-	-	-	-
108.3	88.8	97.9	-	-	-	-
111.5	85.5	97.4	-	-	-	-
124.7	74.5	96.1	-	-	-	-
131.2	69.8	95.2	-	-	-	94.6
137.8	65.0	94.4	-	-	-	94.1
150.9	56.9	92.6	-	-	-	93.5
164.0	49.8	90.4	-	-	-	92.6
177.2	43.9	88.2	-	-	-	91.3
190.3	38.4	85.5	-	-	-	89.8
200.1	34.9	83.7	83.3	-	-	88.7
203.4	33.7	83.1	83.3	-	-	88.3
216.5	29.3	80.7	83.3	-	-	86.6
229.7	25.6	78.0	83.3	-	-	84.7
242.8	22.3	75.4	83.3	-	-	82.7
255.9	19.0	73.0	83.1	-	-	80.7
269.0	16.3	70.5	82.2	-	-	78.6
282.2	13.7	68.3	81.4	-	-	76.5
288.7	12.6	67.2	80.6	66.8	-	75.4
295.3	11.5	66.1	79.8	66.8	-	74.3
298.6	10.8	65.5	79.4	66.8	-	73.8
308.4	-	-	78.0	66.8	-	72.2
321.5	-	-	76.1	66.8	-	70.2
334.6	-	-	73.9	66.8	-	68.1
344.5	-	-	72.1	66.8	-	66.1
347.8	-	-	-	66.8	-	65.5
360.9	-	-	-	66.8	-	63.2
367.5	-	-	-	66.8	53.6	62.0
374.0	-	-	-	66.8	53.6	60.8
387.1	-	-	-	66.1	53.6	57.9
390.4	-	-	-	66.1	53.6	57.3
400.3	-	-	-	-	53.6	55.5
413.4	-	-	-	-	53.1	53.1
426.5	-	-	-	-	53.1	48.9
433.1	-	-	-	-	53.1	46.7
439.6	-	-	-	-	-	44.2
452.8	-	-	-	-	-	39.0
465.9	-	-	-	-	-	32.0
479.0	-	-	-	-	-	24.9
492.1	-	-	-	-	-	18.1
511.8	-	-	-	-	-	10.1

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

275.6 ft + 315.0 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
98.4	-	72.8*	-	-	-	-
111.5	-	71.7*	-	-	-	-
118.1	68.8	71.4	-	-	-	-
124.7	66.1	71.0	-	-	-	-
137.8	57.1	70.1	-	-	-	-
144.4	53.1	69.4	-	-	-	69.0
150.9	49.2	68.8	-	-	-	68.7
164.0	42.5	67.7	-	-	-	68.0
177.2	36.6	66.1	-	-	-	67.2
190.3	31.3	64.6	-	-	-	66.0
203.4	26.7	63.1	-	-	-	64.6
216.5	22.5	61.3	58.0	-	-	63.3
229.7	18.7	59.7	58.0	-	-	61.8
242.8	15.4	58.0	58.0	-	-	60.3
255.9	12.3	56.2	58.0	-	-	58.6
269.0	9.7	54.5	58.0	-	-	57.1
272.3	9.0	54.0	58.0	-	-	56.7
282.2	-	52.7	58.0	-	-	55.4
295.3	-	50.9	57.8	-	-	53.8
308.4	-	49.4	57.8	-	-	52.2
311.7	-	49.0	57.8	44.1	-	51.8
321.5	-	47.8	57.1	44.1	-	50.6
324.8	-	47.5	56.8	44.1	-	50.3
334.6	-	46.3	56.0	44.1	-	48.9
347.8	-	-	54.9	44.1	-	47.4
360.9	-	-	53.8	44.1	-	45.6
374.0	-	-	52.5	44.1	-	44.1
383.9	-	-	51.6	44.1	-	42.9
387.1	-	-	-	44.1	-	42.5
397.0	-	-	-	44.1	33.5	41.2
400.3	-	-	-	44.1	33.5	40.8
413.4	-	-	-	44.1	33.5	38.8
426.5	-	-	-	44.1	33.5	37.3
439.6	-	-	-	-	33.3	35.1
452.8	-	-	-	-	33.3	33.3
465.9	-	-	-	-	33.3	31.4
469.2	-	-	-	-	33.3	30.9
479.0	-	-	-	-	-	29.1
492.1	-	-	-	-	-	24.5
518.4	-	-	-	-	-	11.9
528.2	-	-	-	-	-	9.0

295.3 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
45.9	-	348.3*	-	-	-	-
52.5	-	339.5*	-	-	-	-
59.1	-	348.3	-	-	-	-
62.3	224.9	343.9	-	-	-	-
65.6	216.1	339.5	-	-	-	337.3
72.2	199.5	330.7	-	-	-	335.1
78.7	184.1	319.7	-	-	-	335.1
85.3	170.9	310.9	-	-	-	332.9
91.9	159.8	299.8	-	-	-	330.7
98.4	149.9	288.8	-	-	-	328.5
108.3	136.7	277.8	-	-	-	324.1
111.5	-	-	-	-	-	322.6
124.7	-	-	317.5	-	-	315.3
137.8	-	-	302.0	-	-	306.4
150.9	-	-	284.4	-	-	297.6
160.8	-	-	269.0	-	-	287.7
164.0	-	-	-	-	-	284.4
177.2	-	-	-	-	-	271.2
187.0	-	-	-	251.3	-	251.3
190.3	-	-	-	244.7	-	244.7
203.4	-	-	-	227.1	-	220.8
206.7	-	-	-	222.7	-	215.5
216.5	-	-	-	-	-	199.5
229.7	-	-	-	-	-	181.9
242.8	-	-	-	-	166.4	165.7
252.6	-	-	-	-	158.7	154.7
255.9	-	-	-	-	-	151.0
269.0	-	-	-	-	-	138.5
282.2	-	-	-	-	-	126.4
295.3	-	-	-	-	-	114.6
308.4	-	-	-	-	-	105.2
321.5	-	-	-	-	-	93.3
334.6	-	-	-	-	-	78.7
337.9	-	-	-	-	-	75.2

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **295.3 ft +**
 **118.1 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
55.8	-	264.6*	-	-	-	-
59.1	-	262.4*	-	-	-	-
65.6	-	255.7*	-	-	-	-
68.9	190.7	266.8	-	-	-	-
72.2	183.0	262.4	-	-	-	-
78.7	169.8	257.9	-	-	-	255.7
85.3	157.6	251.3	-	-	-	253.5
91.9	146.6	246.9	-	-	-	253.5
98.4	136.7	240.3	-	-	-	253.5
111.5	121.3	227.1	-	-	-	250.6
124.7	108.2	213.8	-	-	-	246.9
137.8	97.4	202.8	-	-	-	242.5
141.1	95.2	201.0	240.3	-	-	241.0
147.6	90.8	197.3	235.9	-	-	238.1
150.9	-	-	233.7	-	-	236.6
164.0	-	-	224.9	-	-	230.8
177.2	-	-	215.0	-	-	224.9
190.3	-	-	202.8	-	-	216.8
196.9	-	-	196.2	-	-	212.7
203.4	-	-	-	-	-	208.7
206.7	-	-	-	202.8	-	206.7
216.5	-	-	-	199.5	-	200.6
229.7	-	-	-	189.6	-	184.5
242.8	-	-	-	178.6	-	169.0
246.1	-	-	-	176.4	-	165.3
255.9	-	-	-	-	-	154.3
269.0	-	-	-	-	141.1	141.5
282.2	-	-	-	-	133.4	129.7
292.0	-	-	-	-	127.9	120.9
295.3	-	-	-	-	-	117.9
308.4	-	-	-	-	-	108.0
321.5	-	-	-	-	-	98.5
334.6	-	-	-	-	-	89.5
347.8	-	-	-	-	-	80.4
360.9	-	-	-	-	-	69.7
374.0	-	-	-	-	-	57.5
377.3	-	-	-	-	-	55.3

 **295.3 ft +**
 **157.5 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
62.3	-	205.0*	-	-	-	-
65.6	-	203.9*	-	-	-	-
72.2	-	200.6*	-	-	-	-
78.7	154.3	203.9	-	-	-	-
85.3	143.3	200.6	-	-	-	-
91.9	133.4	198.4	-	-	-	195.1
98.4	124.6	194.0	-	-	-	195.1
111.5	109.8	186.3	-	-	-	194.4
124.7	97.2	178.6	-	-	-	192.5
137.8	86.9	169.8	-	-	-	189.6
150.9	78.0	162.0	-	-	-	186.7
154.2	76.2	160.1	184.1	-	-	185.9
164.0	70.8	154.3	183.0	-	-	183.0
173.9	65.8	149.4	179.7	-	-	179.7
177.2	64.2	147.7	178.6	-	-	178.6
183.7	61.5	145.5	175.8	-	-	176.4
190.3	-	-	173.1	-	-	174.2
203.4	-	-	166.4	-	-	169.4
216.5	-	-	159.8	-	-	164.2
229.7	-	-	152.1	151.0	-	159.1
236.2	-	-	148.8	149.9	-	156.5
242.8	-	-	-	148.8	-	152.5
255.9	-	-	-	144.4	-	146.6
269.0	-	-	-	137.8	-	141.3
282.2	-	-	-	131.2	-	131.9
285.4	-	-	-	129.0	-	129.0
295.3	-	-	-	-	-	120.2
298.6	-	-	-	-	116.8	117.7
308.4	-	-	-	-	112.4	110.2
321.5	-	-	-	-	106.5	100.7
328.1	-	-	-	-	103.6	96.2
334.6	-	-	-	-	-	91.7
347.8	-	-	-	-	-	83.6
360.9	-	-	-	-	-	76.0
374.0	-	-	-	-	-	68.8
387.1	-	-	-	-	-	60.0
400.3	-	-	-	-	-	50.0
413.4	-	-	-	-	-	40.8
416.7	-	-	-	-	-	39.5

	0 lb	143,300 lb	275,600 lb	363,800 lb
	452,000 lb	540,200 lb	628,400 lb	716,600 lb

* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **295.3 ft +**
 **196.9 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
72.2	-	156.5*	-	-	-	-
78.7	-	154.3*	-	-	-	-
85.3	-	152.1*	-	-	-	-
88.6	126.8	155.4	-	-	-	-
91.9	122.4	154.3	-	-	-	-
98.4	113.5	152.1	-	-	-	-
105.0	106.7	149.9	-	-	-	148.8
111.5	99.9	147.7	-	-	-	148.3
124.7	88.0	143.3	-	-	-	147.3
137.8	78.0	137.8	-	-	-	146.6
150.9	69.7	132.3	-	-	-	144.4
164.0	62.4	127.9	-	-	-	142.2
173.9	57.6	123.7	137.8	-	-	140.5
177.2	56.0	122.4	137.8	-	-	140.0
190.3	50.5	116.8	136.7	-	-	136.5
203.4	45.6	112.4	133.4	-	-	133.0
213.3	42.5	109.1	131.2	-	-	130.8
216.5	41.4	108.0	130.1	-	-	130.1
223.1	39.5	106.3	127.9	-	-	127.9
229.7	-	-	125.7	-	-	125.7
242.8	-	-	121.3	-	-	121.6
252.6	-	-	117.9	114.6	-	118.9
255.9	-	-	116.8	114.6	-	117.9
269.0	-	-	111.3	114.6	-	113.5
272.3	-	-	109.8	113.8	-	112.4
282.2	-	-	-	111.3	-	109.6
295.3	-	-	-	108.7	-	106.3
308.4	-	-	-	104.1	-	101.3
321.5	-	-	-	98.8	-	96.6
324.8	-	-	-	-	91.7	95.5
334.6	-	-	-	-	91.5	91.9
347.8	-	-	-	-	89.1	85.1
360.9	-	-	-	-	84.7	77.5
367.5	-	-	-	-	82.5	73.9
374.0	-	-	-	-	-	70.3
387.1	-	-	-	-	-	63.6
400.3	-	-	-	-	-	57.1
413.4	-	-	-	-	-	50.5
426.5	-	-	-	-	-	41.9
439.6	-	-	-	-	-	33.0
452.8	-	-	-	-	-	27.3

 **295.3 ft +**
 **236.2 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
82.0	-	119.0*	-	-	-	-
85.3	-	119.0*	-	-	-	-
91.9	-	117.9*	-	-	-	-
98.4	103.4	117.9	-	-	-	-
111.5	89.9	116.8	-	-	-	-
118.1	84.3	115.2	-	-	-	113.5
124.7	78.7	113.5	-	-	-	113.5
137.8	69.2	110.2	-	-	-	113.5
150.9	61.3	107.8	-	-	-	112.1
164.0	54.2	104.3	-	-	-	110.5
177.2	48.1	100.8	-	-	-	108.9
190.3	43.0	97.0	103.4	-	-	107.1
203.4	38.1	93.3	103.4	-	-	104.9
216.5	34.0	89.7	103.2	-	-	102.5
229.7	30.2	86.4	101.6	-	-	100.0
242.8	26.9	83.1	99.2	-	-	97.4
249.3	25.4	81.7	98.1	-	-	96.0
255.9	23.8	80.2	97.0	-	-	94.6
259.2	23.1	79.6	96.3	-	-	93.9
269.0	-	-	94.1	-	-	91.8
275.6	-	-	92.5	84.4	-	90.4
282.2	-	-	90.8	84.4	-	88.9
295.3	-	-	87.5	84.4	-	86.0
308.4	-	-	84.0	84.4	-	83.0
311.7	-	-	82.9	84.0	-	82.3
321.5	-	-	-	82.9	-	79.9
334.6	-	-	-	80.9	-	76.9
347.8	-	-	-	78.0	-	72.9
354.3	-	-	-	76.2	67.0	71.2
360.9	-	-	-	74.3	67.0	69.4
374.0	-	-	-	-	66.4	65.9
387.1	-	-	-	-	65.5	62.4
400.3	-	-	-	-	62.8	57.8
403.5	-	-	-	-	61.9	56.4
413.4	-	-	-	-	-	52.2
426.5	-	-	-	-	-	46.7
439.6	-	-	-	-	-	40.6
452.8	-	-	-	-	-	33.7
465.9	-	-	-	-	-	26.1
479.0	-	-	-	-	-	19.4
492.1	-	-	-	-	-	13.9


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **295.3 ft +**
 **275.6 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
88.6	-	90.8*	-	-	-	-
91.9	-	90.4*	-	-	-	-
98.4	-	89.5*	-	-	-	-
108.3	82.9	89.3	-	-	-	-
111.5	80.0	89.1	-	-	-	-
124.7	69.2	87.7	-	-	-	-
131.2	64.8	86.9	-	-	-	85.8
137.8	60.4	86.0	-	-	-	85.5
150.9	52.7	84.0	-	-	-	84.8
164.0	46.1	81.8	-	-	-	83.9
177.2	40.1	79.6	-	-	-	82.9
190.3	35.1	77.2	-	-	-	81.4
203.4	30.6	74.5	-	-	-	79.9
206.7	29.6	73.9	75.2	-	-	79.5
216.5	26.5	72.1	75.2	-	-	78.3
229.7	22.9	69.7	75.2	-	-	76.4
242.8	19.4	67.0	75.2	-	-	74.4
255.9	16.5	64.6	74.7	-	-	72.5
269.0	13.9	62.4	73.4	-	-	70.5
282.2	11.2	60.2	72.1	-	-	68.3
288.7	10.1	59.2	71.2	-	-	67.2
295.3	9.0	58.2	70.3	-	-	66.1
298.6	-	57.5	69.8	59.1	-	65.6
308.4	-	-	68.3	59.1	-	64.1
321.5	-	-	66.4	59.1	-	61.9
334.6	-	-	64.2	59.1	-	59.7
347.8	-	-	61.7	59.1	-	57.6
351.1	-	-	61.1	59.1	-	57.1
360.9	-	-	-	59.1	-	55.1
374.0	-	-	-	57.8	-	52.5
380.6	-	-	-	57.3	45.6	51.2
387.1	-	-	-	56.4	45.6	50.0
397.0	-	-	-	54.7	45.6	47.8
400.3	-	-	-	-	45.6	47.0
413.4	-	-	-	-	45.6	44.3
426.5	-	-	-	-	45.0	41.7
439.6	-	-	-	-	44.3	38.9
442.9	-	-	-	-	43.7	38.1
452.8	-	-	-	-	-	35.9
465.9	-	-	-	-	-	30.8
479.0	-	-	-	-	-	24.3
492.1	-	-	-	-	-	17.6
511.8	-	-	-	-	-	9.0

 **295.3 ft +**
 **315.0 ft**

ft	SWSL-1					SFSL-1
	0 lb					0 lb - 716,600 lb
	85°	87/85°	75°	65°	55°	15°
98.4	-	66.1*	-	-	-	-
111.5	-	65.0*	-	-	-	-
121.4	61.7	64.6	-	-	-	-
124.7	60.4	64.4	-	-	-	-
137.8	51.8	63.5	-	-	-	-
147.6	46.4	62.5	-	-	-	62.2
150.9	44.5	62.2	-	-	-	61.9
164.0	38.1	60.8	-	-	-	61.2
177.2	32.6	59.5	-	-	-	60.6
190.3	27.6	58.0	-	-	-	59.5
203.4	23.1	56.2	-	-	-	58.2
216.5	19.2	54.7	-	-	-	56.9
223.1	17.4	53.8	51.8	-	-	56.2
229.7	15.7	52.9	51.8	-	-	55.6
242.8	12.6	51.1	51.8	-	-	54.2
255.9	9.7	49.4	51.8	-	-	52.7
259.2	9.0	48.9	51.8	-	-	52.3
269.0	-	47.6	51.8	-	-	51.1
282.2	-	45.9	51.6	-	-	49.5
295.3	-	44.1	50.9	-	-	47.8
308.4	-	42.5	50.3	-	-	46.3
318.2	-	41.4	49.8	38.1	-	45.0
321.5	-	41.0	49.6	38.1	-	44.6
324.8	-	40.6	49.3	38.1	-	44.3
334.6	-	39.5	48.5	38.1	-	43.0
337.9	-	39.2	48.2	38.1	-	42.6
347.8	-	-	47.2	38.1	-	41.4
360.9	-	-	45.9	38.1	-	39.8
374.0	-	-	44.3	38.1	-	38.1
387.1	-	-	43.0	38.1	-	36.4
400.3	-	-	-	38.1	-	34.4
410.1	-	-	-	38.1	27.6	33.1
413.4	-	-	-	38.1	27.6	32.6
426.5	-	-	-	37.5	27.3	30.7
436.4	-	-	-	36.8	27.3	29.3
439.6	-	-	-	-	27.3	28.7
452.8	-	-	-	-	27.3	26.2
465.9	-	-	-	-	27.3	24.4
479.0	-	-	-	-	27.3	22.2
482.3	-	-	-	-	26.9	21.6
492.1	-	-	-	-	-	19.8
518.4	-	-	-	-	-	9.3


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

315.0 ft + 78.7 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
45.9	-	313.1*	-	-	-	-
52.5	-	306.4*	-	-	-	-
59.1	-	308.6	-	-	-	-
62.3	213.8	308.6	-	-	-	-
65.6	205.0	304.2	-	-	-	299.8
72.2	188.5	297.6	-	-	-	299.8
78.7	175.3	288.8	-	-	-	297.6
85.3	163.1	280.0	-	-	-	295.4
91.9	152.1	271.2	-	-	-	295.4
98.4	142.2	262.4	-	-	-	291.0
111.5	126.8	249.1	-	-	-	285.1
124.7	-	-	-	-	-	278.5
128.0	-	-	280.0	-	-	276.7
137.8	-	-	271.2	-	-	271.2
150.9	-	-	255.7	-	-	262.4
164.0	-	-	238.1	-	-	252.8
177.2	-	-	-	-	-	242.5
190.3	-	-	-	-	-	231.5
193.6	-	-	-	227.1	-	229.3
203.4	-	-	-	218.3	-	217.2
216.5	-	-	-	202.8	-	197.3
229.7	-	-	-	-	-	179.7
242.8	-	-	-	-	-	163.4
252.6	-	-	-	-	153.2	152.1
255.9	-	-	-	-	149.9	148.8
262.5	-	-	-	-	145.5	142.2
269.0	-	-	-	-	-	135.6
282.2	-	-	-	-	-	123.1
295.3	-	-	-	-	-	111.3
308.4	-	-	-	-	-	101.8
321.5	-	-	-	-	-	92.2
334.6	-	-	-	-	-	82.7
347.8	-	-	-	-	-	69.3
357.6	-	-	-	-	-	59.3

315.0 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
55.8	-	238.1*	-	-	-	-
59.1	-	235.9*	-	-	-	-
65.6	-	231.5*	-	-	-	-
72.2	173.1	235.9	-	-	-	-
78.7	159.8	231.5	-	-	-	-
82.0	154.3	229.3	-	-	-	227.1
85.3	148.8	227.1	-	-	-	227.1
91.9	138.9	220.5	-	-	-	227.1
98.4	130.1	216.1	-	-	-	224.9
111.5	114.6	203.9	-	-	-	221.9
124.7	102.7	192.9	-	-	-	218.6
137.8	92.4	183.0	-	-	-	215.0
144.4	88.0	179.3	212.7	-	-	212.0
147.6	85.8	177.5	211.6	-	-	210.5
150.9	-	-	210.5	-	-	209.1
164.0	-	-	201.7	-	-	203.2
177.2	-	-	191.8	-	-	197.3
190.3	-	-	181.9	-	-	190.0
203.4	-	-	170.9	-	-	182.6
216.5	-	-	-	175.3	-	175.3
229.7	-	-	-	167.6	-	166.8
242.8	-	-	-	158.7	-	159.5
255.9	-	-	-	147.7	-	152.1
269.0	-	-	-	-	-	138.9
282.2	-	-	-	-	126.8	126.4
295.3	-	-	-	-	119.0	114.6
301.8	-	-	-	-	115.7	109.7
308.4	-	-	-	-	-	104.8
321.5	-	-	-	-	-	95.2
334.6	-	-	-	-	-	86.4
347.8	-	-	-	-	-	78.5
360.9	-	-	-	-	-	70.5
374.0	-	-	-	-	-	60.2
387.1	-	-	-	-	-	49.2
393.7	-	-	-	-	-	44.3


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb



* Main boom angle 87°

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



SWSL / SFSL

SUPERLIFT 3800






 363,800 lb +
  110,200 lb
  36.1-62.3 ft
  27.6 ft
  32.2 ft/s
  360°
  75%

 315.0 ft +
  157.5 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
65.6	-	185.2*	-	-	-	-
72.2	-	181.9*	-	-	-	-
78.7	-	178.6*	-	-	-	-
82.0	141.1	183.0	-	-	-	-
85.3	135.6	181.9	-	-	-	-
91.9	125.7	179.7	-	-	-	-
95.1	121.8	178.0	-	-	-	176.4
98.4	117.9	176.4	-	-	-	175.3
111.5	103.6	168.7	-	-	-	174.5
124.7	91.9	160.9	-	-	-	172.7
137.8	82.0	153.2	-	-	-	169.8
150.9	73.6	146.6	-	-	-	166.8
160.8	68.2	141.6	164.2	-	-	164.4
164.0	66.4	140.0	163.1	-	-	163.5
173.9	61.9	135.0	160.9	-	-	160.8
177.2	60.4	133.4	159.8	-	-	159.8
187.0	56.2	130.1	155.7	-	-	156.5
190.3	-	-	154.3	-	-	155.4
203.4	-	-	148.8	-	-	150.6
216.5	-	-	142.2	-	-	145.5
229.7	-	-	135.6	-	-	140.4
239.5	-	-	130.1	130.1	-	136.3
242.8	-	-	-	130.1	-	134.8
255.9	-	-	-	125.7	-	129.0
269.0	-	-	-	120.2	-	123.1
282.2	-	-	-	113.5	-	117.2
292.0	-	-	-	108.9	-	112.8
295.3	-	-	-	-	-	111.3
308.4	-	-	-	-	100.5	104.6
321.5	-	-	-	-	96.6	96.5
334.6	-	-	-	-	91.3	87.5
341.2	-	-	-	-	88.4	83.5
347.8	-	-	-	-	-	79.4
360.9	-	-	-	-	-	71.7
374.0	-	-	-	-	-	64.8
387.1	-	-	-	-	-	58.2
400.3	-	-	-	-	-	50.3
413.4	-	-	-	-	-	40.8
426.5	-	-	-	-	-	31.6
433.1	-	-	-	-	-	29.1

 315.0 ft +
  196.9 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
72.2	-	142.2*	-	-	-	-
78.7	-	140.0*	-	-	-	-
85.3	-	137.8*	-	-	-	-
91.9	114.6	140.0	-	-	-	-
98.4	107.4	137.8	-	-	-	-
108.3	97.1	135.3	-	-	-	134.5
111.5	93.7	134.5	-	-	-	134.1
124.7	82.7	129.0	-	-	-	133.0
137.8	73.2	124.6	-	-	-	132.3
150.9	65.0	120.2	-	-	-	129.3
164.0	58.2	114.6	-	-	-	126.8
177.2	52.2	110.0	122.4	-	-	124.6
190.3	47.0	105.2	121.3	-	-	121.6
203.4	42.3	100.8	119.0	-	-	118.3
213.3	39.2	97.9	116.6	-	-	115.6
216.5	38.1	97.0	115.7	-	-	114.6
223.1	36.4	95.2	113.5	-	-	113.0
229.7	-	-	111.3	-	-	111.4
242.8	-	-	107.6	-	-	107.8
255.9	-	-	103.0	-	-	103.8
259.2	-	-	101.7	99.2	-	102.8
269.0	-	-	97.9	98.8	-	99.9
278.9	-	-	93.9	97.1	-	96.9
282.2	-	-	-	96.6	-	95.9
295.3	-	-	-	93.3	-	91.9
308.4	-	-	-	89.1	-	87.8
321.5	-	-	-	84.7	-	83.0
331.4	-	-	-	80.7	-	79.6
334.6	-	-	-	-	-	78.3
337.9	-	-	-	-	75.0	77.1
347.8	-	-	-	-	73.4	73.6
360.9	-	-	-	-	70.1	68.9
374.0	-	-	-	-	66.4	64.2
377.3	-	-	-	-	65.3	62.9
387.1	-	-	-	-	-	59.0
400.3	-	-	-	-	-	53.4
413.4	-	-	-	-	-	47.6
426.5	-	-	-	-	-	40.6
439.6	-	-	-	-	-	33.0
452.8	-	-	-	-	-	24.9
465.9	-	-	-	-	-	19.1
469.2	-	-	-	-	-	18.1

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  540,200 lb
  628,400 lb
  716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **315.0 ft +**
 **236.2 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
82.0	-	109.1*	-	-	-	-
85.3	-	108.5*	-	-	-	-
91.9	-	106.9*	-	-	-	-
98.4	-	105.6*	-	-	-	-
101.7	93.3	107.4	-	-	-	-
111.5	83.8	105.8	-	-	-	-
121.4	75.8	103.8	-	-	-	103.0
124.7	73.2	103.2	-	-	-	102.7
137.8	64.4	100.3	-	-	-	101.9
150.9	56.7	97.0	-	-	-	100.8
164.0	50.0	93.7	-	-	-	99.4
177.2	44.3	90.2	-	-	-	97.7
190.3	39.2	86.6	-	-	-	95.7
193.6	38.1	85.8	92.4	-	-	95.2
203.4	34.8	83.3	92.2	-	-	93.6
216.5	30.9	79.8	91.1	-	-	91.3
229.7	27.1	76.7	89.5	-	-	88.8
242.8	24.0	73.9	87.5	-	-	86.1
252.6	21.9	71.7	85.7	-	-	84.0
255.9	21.2	71.0	85.1	-	-	83.3
262.5	19.8	69.9	83.8	-	-	81.7
269.0	-	-	82.5	-	-	80.2
282.2	-	-	79.1	72.8	-	77.2
295.3	-	-	76.1	72.8	-	74.3
308.4	-	-	72.5	72.1	-	71.2
318.2	-	-	69.7	70.6	-	68.9
321.5	-	-	-	70.1	-	68.1
334.6	-	-	-	67.9	-	65.0
347.8	-	-	-	64.8	-	61.7
360.9	-	-	-	61.7	-	58.2
364.2	-	-	-	60.8	54.0	57.3
367.5	-	-	-	60.0	54.0	56.4
374.0	-	-	-	-	53.8	54.7
387.1	-	-	-	-	52.0	50.6
400.3	-	-	-	-	49.8	47.0
413.4	-	-	-	-	47.0	43.4
416.7	-	-	-	-	46.1	42.5
426.5	-	-	-	-	-	39.6
439.6	-	-	-	-	-	35.6
452.8	-	-	-	-	-	31.5
465.9	-	-	-	-	-	24.9
479.0	-	-	-	-	-	18.1
492.1	-	-	-	-	-	11.5
498.7	-	-	-	-	-	9.7

 **315.0 ft +**
 **275.6 ft**

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
91.9	-	81.8*	-	-	-	-
98.4	-	80.9*	-	-	-	-
111.5	74.1	80.2	-	-	-	-
124.7	63.9	78.9	-	-	-	-
134.5	57.7	77.8	-	-	-	76.9
137.8	55.6	77.4	-	-	-	76.7
150.9	48.3	75.4	-	-	-	76.1
164.0	41.9	73.2	-	-	-	75.3
177.2	36.4	71.0	-	-	-	74.1
190.3	31.5	68.6	-	-	-	72.6
203.4	27.1	66.1	-	-	-	71.1
210.0	25.2	64.9	66.6	-	-	70.4
216.5	23.4	63.7	66.6	-	-	69.7
229.7	19.8	61.3	66.6	-	-	67.8
242.8	16.8	58.9	66.4	-	-	65.8
255.9	13.9	56.7	65.3	-	-	63.9
269.0	11.2	54.5	63.9	-	-	61.8
282.2	8.8	52.2	62.4	-	-	59.5
288.7	-	51.4	61.6	-	-	58.4
295.3	-	50.5	60.8	-	-	57.3
301.8	-	49.4	59.7	-	-	56.2
305.1	-	-	59.2	50.7	-	55.7
308.4	-	-	58.6	50.7	-	55.1
321.5	-	-	56.7	50.7	-	52.7
334.6	-	-	54.2	50.7	-	50.5
347.8	-	-	51.8	50.3	-	48.3
354.3	-	-	50.7	49.6	-	47.2
360.9	-	-	-	48.9	-	45.9
374.0	-	-	-	47.4	-	43.4
387.1	-	-	-	45.2	-	40.6
393.7	-	-	-	44.1	35.7	39.2
400.3	-	-	-	43.0	35.7	37.9
406.8	-	-	-	41.7	35.6	36.6
413.4	-	-	-	-	35.5	35.3
426.5	-	-	-	-	34.4	32.4
439.6	-	-	-	-	32.6	29.0
452.8	-	-	-	-	30.6	26.2
465.9	-	-	-	-	-	19.0
479.0	-	-	-	-	-	14.8
492.1	-	-	-	-	-	10.8
498.7	-	-	-	-	-	9.0


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

315.0 ft + 315.0 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
98.4	-	59.5*	-	-	-	-
111.5	-	58.2*	-	-	-	-
121.4	55.3	57.8	-	-	-	-
124.7	54.9	57.5	-	-	-	-
137.8	47.0	56.7	-	-	-	-
147.6	41.7	55.7	-	-	-	55.1
150.9	39.9	55.3	-	-	-	55.0
164.0	34.0	54.0	-	-	-	54.3
177.2	28.7	52.5	-	-	-	53.6
190.3	24.0	51.1	-	-	-	52.7
203.4	19.8	49.4	-	-	-	51.4
216.5	16.1	47.8	-	-	-	50.0
226.4	13.6	46.5	45.2	-	-	49.2
229.7	12.8	46.1	45.2	-	-	48.9
242.8	9.7	44.3	45.2	-	-	47.5
246.1	9.0	43.9	45.2	-	-	47.1
255.9	-	42.5	45.2	-	-	45.9
269.0	-	40.8	45.2	-	-	44.4
282.2	-	39.0	44.8	-	-	42.8
295.3	-	37.5	43.9	-	-	41.2
308.4	-	35.9	42.8	-	-	39.5
321.5	-	34.4	41.7	-	-	37.7
328.1	-	33.6	41.0	31.7	-	36.8
334.6	-	32.8	40.3	31.7	-	35.9
337.9	-	32.6	40.0	31.7	-	35.5
347.8	-	-	38.8	31.7	-	34.3
360.9	-	-	37.5	31.7	-	32.6
374.0	-	-	35.9	31.7	-	30.9
387.1	-	-	34.4	31.5	-	29.1
393.7	-	-	33.5	31.4	-	28.2
400.3	-	-	-	31.3	-	27.2
413.4	-	-	-	30.0	-	25.1
423.2	-	-	-	29.0	20.1	23.6
426.5	-	-	-	28.7	20.1	23.0
439.6	-	-	-	26.9	19.8	20.8
442.9	-	-	-	26.5	19.8	20.3
452.8	-	-	-	-	19.6	18.7
465.9	-	-	-	-	19.2	16.6
479.0	-	-	-	-	17.9	14.0
492.1	-	-	-	-	16.3	11.7
502.0	-	-	-	-	-	9.5

334.6 ft + 118.1 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
55.8	-	216.1*	-	-	-	-
59.1	-	213.8*	-	-	-	-
65.6	-	209.4*	-	-	-	-
72.2	-	213.8	-	-	-	-
75.5	157.6	211.6	-	-	-	-
78.7	151.0	209.4	-	-	-	-
82.0	146.1	207.2	-	-	-	-
85.3	141.1	205.0	-	-	-	205.0
91.9	131.2	199.5	-	-	-	202.8
98.4	122.4	195.1	-	-	-	201.7
111.5	108.9	184.1	-	-	-	198.8
124.7	97.0	174.2	-	-	-	195.1
137.8	87.3	165.3	-	-	-	190.7
150.9	79.4	158.7	187.4	-	-	185.6
164.0	-	-	180.8	-	-	180.0
177.2	-	-	172.0	-	-	174.2
190.3	-	-	163.1	-	-	168.4
203.4	-	-	153.2	-	-	161.7
206.7	-	-	151.0	-	-	159.8
216.5	-	-	-	-	-	154.3
226.4	-	-	-	143.3	-	148.8
229.7	-	-	-	142.2	-	147.0
242.8	-	-	-	134.5	-	139.8
255.9	-	-	-	125.7	-	132.3
262.5	-	-	-	120.2	-	128.6
269.0	-	-	-	-	-	124.9
282.2	-	-	-	-	-	117.6
292.0	-	-	-	-	106.9	112.1
295.3	-	-	-	-	105.4	110.2
308.4	-	-	-	-	98.3	100.8
315.0	-	-	-	-	94.6	96.1
321.5	-	-	-	-	-	91.6
334.6	-	-	-	-	-	82.7
347.8	-	-	-	-	-	74.7
360.9	-	-	-	-	-	67.2
374.0	-	-	-	-	-	60.2
387.1	-	-	-	-	-	50.3
400.3	-	-	-	-	-	40.4
410.1	-	-	-	-	-	33.7

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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


 **363,800 lb +**
 **110,200 lb**
 **36.1-62.3 ft**
 **27.6 ft**
 **32.2 ft/s**
 **360°**
 **75%**

 **334.6 ft +**
 **157.5 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					15°
	85°	87/85°	75°	65°	55°	
65.6	-	167.6*	-	-	-	-
72.2	-	164.2*	-	-	-	-
78.7	-	160.9*	-	-	-	-
85.3	127.9	164.2	-	-	-	-
91.9	119.0	162.0	-	-	-	-
95.1	114.6	160.4	-	-	-	155.4
98.4	110.2	158.7	-	-	-	155.4
111.5	97.7	152.1	-	-	-	154.0
124.7	86.4	145.5	-	-	-	151.8
137.8	76.9	138.9	-	-	-	148.8
150.9	69.0	132.3	-	-	-	145.9
164.0	62.4	125.7	-	-	-	142.6
167.3	60.9	124.3	141.1	-	-	141.6
177.2	56.4	120.2	138.9	-	-	138.9
187.0	52.7	117.9	135.6	-	-	135.6
190.3	-	-	134.5	-	-	134.5
203.4	-	-	127.9	-	-	129.7
216.5	-	-	122.4	-	-	124.6
229.7	-	-	115.7	-	-	119.4
242.8	-	-	109.8	-	-	114.2
246.1	-	-	108.2	111.3	-	112.9
255.9	-	-	-	109.1	-	108.9
269.0	-	-	-	104.5	-	103.6
282.2	-	-	-	98.8	-	98.3
295.3	-	-	-	92.8	-	92.8
301.8	-	-	-	89.5	-	90.2
308.4	-	-	-	-	-	87.5
321.5	-	-	-	-	80.5	81.5
334.6	-	-	-	-	76.1	75.8
347.8	-	-	-	-	71.2	70.3
351.1	-	-	-	-	70.1	68.9
360.9	-	-	-	-	-	64.7
374.0	-	-	-	-	-	59.1
387.1	-	-	-	-	-	53.2
400.3	-	-	-	-	-	47.0
413.4	-	-	-	-	-	40.6
426.5	-	-	-	-	-	32.0
439.6	-	-	-	-	-	23.5
449.5	-	-	-	-	-	19.6

 **334.6 ft +**
 **196.9 ft**

ft	SWSL-1					SFSL-1
	0 lb - 716,600 lb					15°
	85°	87/85°	75°	65°	55°	
75.5	-	127.9*	-	-	-	-
78.7	-	126.8*	-	-	-	-
85.3	-	124.6*	-	-	-	-
91.9	-	126.8	-	-	-	-
95.1	104.1	125.7	-	-	-	-
98.4	100.5	124.6	-	-	-	-
108.3	90.9	122.1	-	-	-	120.2
111.5	87.7	121.3	-	-	-	119.8
124.7	77.2	116.8	-	-	-	118.7
137.8	68.3	112.4	-	-	-	117.9
150.9	60.6	107.8	-	-	-	115.7
164.0	54.0	103.2	-	-	-	113.2
177.2	48.3	98.5	-	-	-	110.2
183.7	45.9	96.3	108.5	-	-	110.0
190.3	43.4	94.1	107.6	-	-	108.4
203.4	39.0	90.2	105.6	-	-	105.1
213.3	36.0	87.5	103.1	-	-	102.7
216.5	35.1	86.6	102.3	-	-	101.9
226.4	32.4	84.2	99.3	-	-	99.1
229.7	-	-	98.3	-	-	98.2
242.8	-	-	94.1	-	-	94.4
255.9	-	-	89.9	-	-	90.4
269.0	-	-	85.5	84.2	-	86.2
282.2	-	-	80.9	82.2	-	82.2
295.3	-	-	-	79.1	-	78.0
308.4	-	-	-	75.4	-	73.9
321.5	-	-	-	71.2	-	69.9
334.6	-	-	-	66.8	-	65.5
337.9	-	-	-	65.7	-	64.4
347.8	-	-	-	-	59.3	61.1
360.9	-	-	-	-	56.7	56.7
374.0	-	-	-	-	53.4	52.0
387.1	-	-	-	-	49.6	47.5
390.4	-	-	-	-	48.7	46.3
400.3	-	-	-	-	-	43.0
413.4	-	-	-	-	-	38.4
426.5	-	-	-	-	-	33.7
439.6	-	-	-	-	-	29.0
452.8	-	-	-	-	-	24.3
465.9	-	-	-	-	-	17.0
479.0	-	-	-	-	-	11.1
485.6	-	-	-	-	-	8.8


0 lb
143,300 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

* Main boom angle 87°

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

SWSL / SFSL

SUPERLIFT 3800

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

334.6 ft + 236.2 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
82.0	-	98.3*	-	-	-	-
85.3	-	97.9*	-	-	-	-
91.9	-	96.6*	-	-	-	-
98.4	-	95.2*	-	-	-	-
105.0	83.8	96.1	-	-	-	-
111.5	78.0	95.0	-	-	-	-
121.4	70.4	93.2	-	-	-	92.2
124.7	67.9	92.6	-	-	-	91.9
137.8	59.5	89.7	-	-	-	91.1
150.9	52.2	86.6	-	-	-	90.0
164.0	46.1	83.6	-	-	-	88.6
177.2	40.6	80.2	-	-	-	86.6
190.3	35.7	76.9	-	-	-	84.5
200.1	32.6	74.5	80.9	-	-	83.0
203.4	31.5	73.6	80.9	-	-	82.4
216.5	27.6	70.5	80.0	-	-	80.0
229.7	24.3	67.7	78.5	-	-	77.5
242.8	21.2	64.8	76.5	-	-	75.0
252.6	19.0	63.0	74.4	-	-	73.0
255.9	18.3	62.4	73.6	-	-	72.3
262.5	17.2	61.3	72.3	-	-	70.9
269.0	-	-	71.0	-	-	69.3
282.2	-	-	68.1	-	-	66.2
292.0	-	-	65.8	61.1	-	64.0
295.3	-	-	65.0	61.1	-	63.3
308.4	-	-	61.9	60.0	-	60.2
321.5	-	-	58.6	58.6	-	57.0
334.6	-	-	-	56.0	-	54.0
347.8	-	-	-	53.1	-	50.8
360.9	-	-	-	50.0	-	47.4
374.0	-	-	-	47.0	40.8	43.7
377.3	-	-	-	46.1	40.8	42.8
387.1	-	-	-	-	39.7	40.3
400.3	-	-	-	-	37.5	36.8
413.4	-	-	-	-	35.1	33.3
426.5	-	-	-	-	32.4	29.5
439.6	-	-	-	-	-	25.6
452.8	-	-	-	-	-	21.6
465.9	-	-	-	-	-	17.8
479.0	-	-	-	-	-	13.9
492.1	-	-	-	-	-	9.9

334.6 ft + 275.6 ft

ft	SWSL-1					SFSL-1
	0 lb	0 lb - 716,600 lb				
	85°	87/85°	75°	65°	55°	15°
	1,000 lb					
91.9	-	73.4*	-	-	-	-
98.4	-	72.5*	-	-	-	-
111.5	-	71.9	-	-	-	-
114.8	65.7	71.4	-	-	-	-
124.7	58.9	70.5	-	-	-	-
134.5	52.7	69.2	-	-	-	68.3
137.8	50.7	68.8	-	-	-	68.1
150.9	43.9	67.0	-	-	-	67.4
164.0	37.7	64.8	-	-	-	66.5
177.2	32.6	62.6	-	-	-	65.5
190.3	28.0	60.2	-	-	-	63.8
203.4	23.8	58.0	-	-	-	62.3
216.5	20.1	55.8	58.0	-	-	60.8
229.7	16.8	53.4	58.0	-	-	59.1
242.8	13.9	50.9	57.1	-	-	57.2
255.9	11.0	48.7	56.0	-	-	55.1
265.7	9.3	47.3	55.0	-	-	53.6
269.0	-	46.7	54.7	-	-	53.1
282.2	-	44.8	52.9	-	-	50.9
292.0	-	43.4	51.6	-	-	49.1
295.3	-	43.0	51.1	-	-	48.5
301.8	-	42.3	50.2	-	-	47.3
308.4	-	-	49.2	-	-	46.2
315.0	-	-	48.2	41.4	-	45.0
321.5	-	-	47.2	41.4	-	43.8
334.6	-	-	45.0	41.2	-	41.4
347.8	-	-	42.8	40.3	-	39.0
360.9	-	-	40.3	38.6	-	36.5
374.0	-	-	-	36.8	-	34.2
387.1	-	-	-	34.8	-	31.5
400.3	-	-	-	32.6	-	28.6
403.5	-	-	-	32.1	25.1	27.9
413.4	-	-	-	30.4	24.5	25.8
426.5	-	-	-	-	23.4	23.0
439.6	-	-	-	-	21.6	20.1
452.8	-	-	-	-	19.8	17.2
465.9	-	-	-	-	17.9	14.4
479.0	-	-	-	-	-	11.1
485.6	-	-	-	-	-	9.3

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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

363,800 lb + 110,200 lb 36.1-62.3 ft 27.6 ft 32.2 ft/s 360° 75%

354.3 ft + 118.1 ft

ft	SWSL-1					SFSL-1	
	0 lb	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°	
			1,000 lb				
59.1	-	191.8*	-	-	-	-	
65.6	-	188.5*	-	-	-	-	
72.2	-	184.1*	-	-	-	-	
75.5	147.7	189.6	-	-	-	-	
78.7	142.2	188.5	-	-	-	-	
85.3	132.3	184.1	-	-	-	181.9	
91.9	123.5	179.7	-	-	-	180.8	
98.4	115.7	175.3	-	-	-	179.7	
111.5	102.5	166.4	-	-	-	176.7	
124.7	91.3	156.5	-	-	-	173.4	
137.8	82.0	148.8	-	-	-	169.8	
150.9	74.3	142.2	-	-	-	164.6	
154.2	-	-	164.2	-	-	163.3	
164.0	-	-	159.8	-	-	159.4	
177.2	-	-	153.2	-	-	153.2	
190.3	-	-	144.4	-	-	147.3	
203.4	-	-	135.6	-	-	141.1	
213.3	-	-	129.0	-	-	136.1	
216.5	-	-	-	-	-	134.5	
229.7	-	-	-	-	-	127.1	
232.9	-	-	-	120.2	-	125.3	
242.8	-	-	-	115.7	-	120.2	
255.9	-	-	-	108.0	-	113.5	
269.0	-	-	-	100.1	-	106.5	
272.3	-	-	-	97.9	-	104.7	
282.2	-	-	-	-	-	99.5	
295.3	-	-	-	-	-	92.6	
305.1	-	-	-	-	82.7	87.5	
308.4	-	-	-	-	81.1	85.8	
321.5	-	-	-	-	75.0	79.1	
324.8	-	-	-	-	73.2	77.4	
334.6	-	-	-	-	-	72.3	
347.8	-	-	-	-	-	65.6	
360.9	-	-	-	-	-	58.8	
374.0	-	-	-	-	-	52.0	
387.1	-	-	-	-	-	45.5	
400.3	-	-	-	-	-	38.6	
413.4	-	-	-	-	-	31.5	
426.5	-	-	-	-	-	23.7	
429.8	-	-	-	-	-	22.5	

354.3 ft + 157.5 ft

ft	SWSL-1					SFSL-1	
	0 lb	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°	
			1,000 lb				
65.6	-	147.7*	-	-	-	-	
72.2	-	145.5*	-	-	-	-	
78.7	-	142.2*	-	-	-	-	
85.3	119.0	145.5	-	-	-	-	
91.9	111.3	142.2	-	-	-	-	
98.4	104.1	140.0	-	-	-	138.9	
111.5	91.3	134.5	-	-	-	136.7	
124.7	80.7	127.9	-	-	-	134.5	
137.8	71.9	122.4	-	-	-	132.3	
150.9	64.4	115.7	-	-	-	128.6	
164.0	57.8	110.2	-	-	-	125.3	
170.6	55.0	108.0	123.5	-	-	123.8	
177.2	52.2	105.8	122.4	-	-	122.4	
190.3	47.4	101.6	117.9	-	-	117.2	
203.4	-	-	112.4	-	-	112.7	
216.5	-	-	107.4	-	-	108.7	
229.7	-	-	101.6	-	-	103.4	
242.8	-	-	95.7	-	-	98.1	
249.3	-	-	92.6	-	-	95.5	
255.9	-	-	-	92.2	-	92.8	
269.0	-	-	-	88.0	-	87.7	
282.2	-	-	-	82.9	-	82.5	
295.3	-	-	-	77.6	-	77.2	
308.4	-	-	-	72.1	-	71.9	
321.5	-	-	-	-	-	66.6	
331.4	-	-	-	-	61.3	62.6	
334.6	-	-	-	-	60.4	61.3	
347.8	-	-	-	-	56.2	56.1	
360.9	-	-	-	-	51.8	51.0	
364.2	-	-	-	-	50.7	49.8	
374.0	-	-	-	-	-	46.1	
387.1	-	-	-	-	-	40.5	
400.3	-	-	-	-	-	34.9	
413.4	-	-	-	-	-	29.8	
426.5	-	-	-	-	-	24.5	
439.6	-	-	-	-	-	19.6	
452.8	-	-	-	-	-	15.0	
465.9	-	-	-	-	-	10.6	

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb

* Main boom angle 87°

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






SWSL / SFSL

SUPERLIFT 3800

 363,800 lb +
  110,200 lb
  36.1-62.3 ft
  27.6 ft
  32.2 ft/s
  360°
  75%

 354.3 ft +
  196.9 ft

ft	SWSL_1					SFSL_1	
	0 lb	0 lb - 716,600 lb					
	85°	87/85°	75°	65°	55°	15°	
			1,000 lb				
75.5	-	114.6*	-	-	-	-	
78.7	-	113.5*	-	-	-	-	
85.3	-	111.3*	-	-	-	-	
91.9	-	110.2*	-	-	-	-	
95.1	97.0	112.4	-	-	-	-	
98.4	93.5	111.3	-	-	-	-	
111.5	81.6	108.2	-	-	-	107.4	
124.7	71.7	104.5	-	-	-	105.9	
137.8	63.1	100.1	-	-	-	104.7	
150.9	56.0	95.9	-	-	-	102.4	
164.0	49.8	91.5	-	-	-	100.0	
177.2	44.3	87.3	-	-	-	97.7	
187.0	40.8	84.3	94.4	-	-	95.6	
190.3	39.7	83.3	93.9	-	-	94.9	
203.4	35.5	79.8	91.7	-	-	91.8	
216.5	31.7	76.5	88.8	-	-	88.4	
226.4	29.1	74.5	85.9	-	-	85.9	
229.7	-	-	84.9	-	-	85.0	
242.8	-	-	81.1	-	-	81.2	
255.9	-	-	76.9	-	-	77.2	
269.0	-	-	72.8	-	-	72.9	
278.9	-	-	69.8	68.3	-	69.7	
282.2	-	-	68.8	67.9	-	68.7	
288.7	-	-	66.8	66.5	-	66.7	
295.3	-	-	-	65.0	-	64.6	
308.4	-	-	-	61.5	-	60.5	
321.5	-	-	-	57.8	-	56.3	
334.6	-	-	-	54.0	-	52.0	
347.8	-	-	-	50.0	-	47.8	
357.6	-	-	-	-	42.8	44.6	
360.9	-	-	-	-	42.1	43.6	
374.0	-	-	-	-	39.2	39.5	
387.1	-	-	-	-	36.2	35.3	
400.3	-	-	-	-	33.1	31.3	
413.4	-	-	-	-	-	27.1	
426.5	-	-	-	-	-	23.0	
439.6	-	-	-	-	-	19.0	
452.8	-	-	-	-	-	14.8	
465.9	-	-	-	-	-	10.7	
469.2	-	-	-	-	-	9.7	

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  540,200 lb
  628,400 lb
  716,600 lb

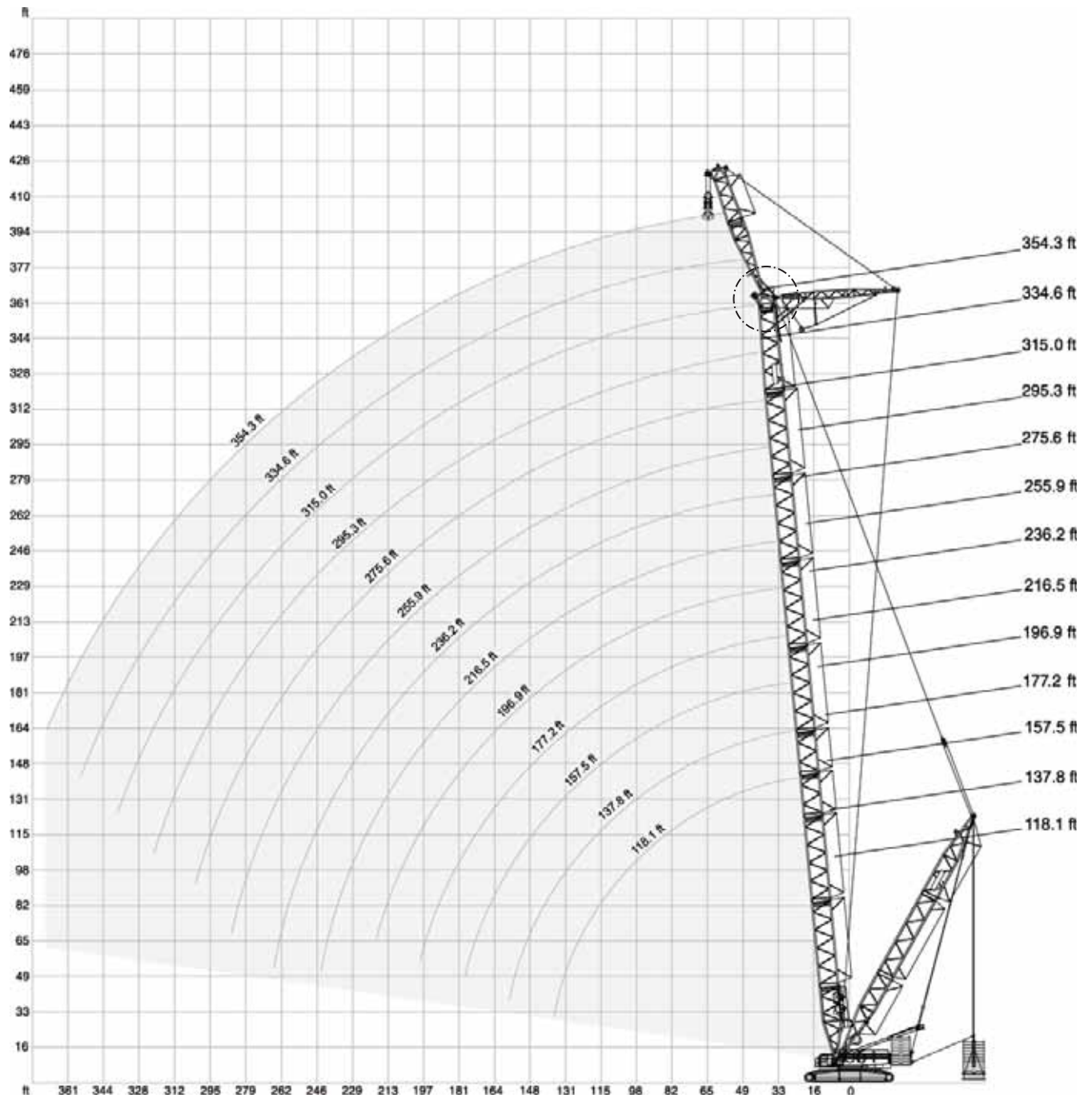
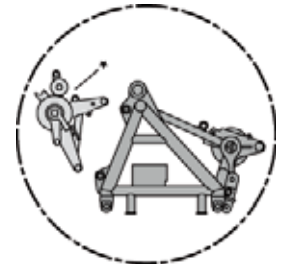
* Main boom angle 87°

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

LVSL

15°

SUPERLIFT 3800



* Attachable


363,800 lb +

110,200 lb

36.1-62.3 ft

59 ft

15°

27.6 ft

32.2 ft/s

360°

75%

	118.1 ft		137.8 ft		157.5 ft		177.2 ft		196.9 ft		216.5 ft		236.2 ft	
	LVSL_1													
	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb
ft	1,000 lb													
42.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.9	-	-	438.7	765.0	418.9	765.0	-	-	-	-	-	-	-	-
49.2	-	-	405.7	765.0	388.0	765.0	372.6	765.0	357.1	736.3	-	-	-	-
52.5	-	-	377.0	765.0	361.6	765.0	346.1	765.0	332.9	736.3	319.7	648.2	306.4	577.6
59.1	-	-	328.5	765.0	315.3	765.0	304.2	765.0	291.0	734.1	280.0	648.2	269.0	577.6
65.6	-	-	291.0	765.0	277.8	765.0	266.8	765.0	255.7	720.9	246.9	648.2	235.9	577.6
72.2	257.9	765.0	255.7	765.0	246.9	765.0	238.1	765.0	227.1	712.1	220.5	639.3	210.5	577.6
78.7	224.9	765.0	222.7	765.0	220.5	758.4	213.8	754.0	203.9	705.5	197.3	632.7	187.4	571.0
85.3	199.5	709.9	197.3	705.5	194.0	701.1	190.7	696.7	184.1	692.3	176.4	626.1	168.7	564.4
91.9	178.6	657.0	175.3	652.6	172.0	646.0	168.7	641.5	165.3	639.3	158.7	619.5	151.0	560.0
98.4	159.8	608.5	156.5	604.1	153.2	599.7	149.9	595.2	146.6	590.8	143.3	588.6	136.7	553.4
111.5	131.9	520.3	128.6	530.6	125.3	526.2	122.1	521.8	119.1	517.4	116.8	515.1	112.6	500.4
124.7	108.9	439.5	105.5	465.2	101.7	461.5	98.3	457.8	95.2	453.4	93.3	451.2	90.2	447.5
137.8	90.8	377.0	87.1	407.9	82.5	405.7	78.3	403.4	74.7	399.0	72.5	396.8	69.4	394.6
150.9	77.0	318.2	72.7	349.1	68.0	363.0	63.7	359.4	59.9	356.4	57.7	354.2	54.5	352.0
164.0	64.4	271.2	60.2	298.4	55.4	321.1	51.0	321.1	47.0	318.2	44.7	316.0	41.3	313.8
167.3	61.5	257.9	57.5	287.7	52.7	310.9	48.3	313.1	44.2	309.7	41.9	307.5	38.5	305.3
177.2	-	-	49.6	255.7	44.5	280.0	40.1	288.8	35.9	284.4	33.5	282.2	30.0	280.0
183.7	-	-	45.2	240.3	40.4	259.4	35.9	274.1	31.7	271.9	29.2	269.7	25.6	266.8
190.3	-	-	-	-	36.3	241.8	31.7	259.4	27.4	259.4	24.8	257.2	21.2	253.5
200.1	-	-	-	-	30.4	218.3	25.9	235.9	21.5	240.9	18.8	239.6	14.9	235.3
203.4	-	-	-	-	-	-	24.3	227.1	19.8	234.8	17.0	234.4	13.1	230.4
210.0	-	-	-	-	-	-	20.9	210.9	16.4	222.7	13.6	224.1	9.5	220.5
216.5	-	-	-	-	-	-	17.6	200.6	13.0	210.5	10.1	213.8	-	210.5
223.1	-	-	-	-	-	-	-	-	10.1	195.1	-	203.9	-	202.1
229.7	-	-	-	-	-	-	-	-	-	182.6	-	194.0	-	193.6
232.9	-	-	-	-	-	-	-	-	-	178.6	-	189.0	-	189.4
242.8	-	-	-	-	-	-	-	-	-	-	-	170.9	-	176.4
252.6	-	-	-	-	-	-	-	-	-	-	-	155.4	-	163.1
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	158.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	137.8


0 lb
275,600 lb
363,800 lb
452,000 lb
540,200 lb
628,400 lb
716,600 lb

363,800 lb +
 110,200 lb
 36.1-62.3 ft
 59 ft
 15°
 27.6 ft
 32.2 ft/s
 360°
 75%

	255.9 ft		275.6 ft		295.3 ft		315.0 ft		334.6 ft		354.3 ft	
	LVSL_1											
	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb	0 lb	0 lb-716.6klb
ft	1,000 lb											
55.8	275.6	478.4	264.6	432.1	-	-	-	-	-	-	-	-
59.1	257.9	478.4	246.9	432.1	238.1	385.8	227.1	346.1	-	-	-	-
62.3	242.5	478.4	231.5	429.9	222.7	385.8	212.7	346.1	203.9	308.6	194.0	275.6
65.6	229.3	478.4	219.4	429.9	209.4	385.8	199.5	346.1	190.7	308.6	181.9	275.6
72.2	202.8	476.2	194.0	427.7	185.2	381.4	176.4	343.9	168.7	306.4	159.8	273.4
78.7	180.8	471.8	173.1	423.3	165.3	379.2	156.5	341.7	148.8	304.2	141.1	271.2
85.3	162.0	467.4	154.3	418.9	146.6	374.8	138.9	337.3	132.3	302.0	124.6	269.0
91.9	145.5	463.0	137.8	414.5	131.2	370.4	123.5	332.9	116.8	295.4	110.2	264.6
98.4	131.2	458.6	123.5	410.1	116.8	366.0	110.2	328.5	104.1	291.0	97.2	260.1
111.5	108.2	443.9	101.3	396.8	95.1	355.7	88.6	318.2	82.6	283.7	76.2	252.8
124.7	87.3	420.3	81.7	381.4	76.0	343.9	69.7	307.2	63.9	274.1	57.8	244.0
137.8	68.3	392.4	64.8	368.2	59.5	330.7	53.4	295.4	47.8	262.4	41.9	233.7
150.9	53.2	349.8	50.0	340.2	46.6	316.0	40.7	282.2	35.5	250.6	29.7	223.4
164.0	40.0	312.3	36.8	309.4	34.4	296.9	29.4	269.7	24.3	238.8	18.6	213.0
173.9	31.5	288.1	28.2	284.0	25.8	279.3	21.9	260.9	16.8	230.0	11.0	205.0
177.2	28.7	280.0	25.4	275.6	22.9	273.4	19.4	257.9	14.3	227.1	-	202.8
183.7	24.2	266.8	20.9	263.1	18.4	260.9	14.7	251.3	9.9	222.7	-	197.3
190.3	19.7	253.5	16.4	250.6	13.8	248.4	9.9	244.7	-	216.6	-	191.8
196.9	15.2	240.3	11.9	238.1	9.3	235.9	-	231.5	-	210.5	-	186.3
200.1	13.4	234.4	9.9	231.5	-	230.6	-	226.3	-	207.6	-	183.5
203.4	11.5	228.5	-	226.4	-	225.2	-	221.2	-	204.7	-	180.8
206.7	9.7	222.7	-	221.3	-	219.9	-	216.1	-	201.7	-	178.0
216.5	-	209.4	-	206.1	-	203.9	-	200.6	-	192.9	-	169.8
229.7	-	192.5	-	189.2	-	187.0	-	183.7	-	178.9	-	158.7
242.8	-	176.7	-	173.4	-	171.2	-	167.9	-	164.6	-	148.3
255.9	-	162.0	-	158.7	-	156.5	-	153.2	-	149.9	-	137.8
269.0	-	146.6	-	147.0	-	144.2	-	140.4	-	137.4	-	128.2
282.2	-	128.6	-	135.6	-	132.3	-	129.0	-	125.7	-	118.7
285.4	-	123.5	-	131.2	-	129.5	-	126.2	-	122.9	-	116.3
295.3	-	-	-	117.9	-	121.3	-	117.9	-	114.6	-	109.1
301.8	-	-	-	109.1	-	114.1	-	112.8	-	109.8	-	104.4
308.4	-	-	-	-	-	107.0	-	107.7	-	104.9	-	99.7
321.5	-	-	-	-	-	91.7	-	95.4	-	95.7	-	90.5
334.6	-	-	-	-	-	-	-	81.1	-	84.4	-	81.6
337.9	-	-	-	-	-	-	-	77.6	-	81.2	-	79.2
347.8	-	-	-	-	-	-	-	-	-	71.5	-	72.0
354.3	-	-	-	-	-	-	-	-	-	65.0	-	67.2
360.9	-	-	-	-	-	-	-	-	-	-	-	61.5
370.7	-	-	-	-	-	-	-	-	-	-	-	52.7

0 lb
 275,600 lb
 363,800 lb
 452,000 lb
 540,200 lb
 628,400 lb
 716,600 lb

Crawler carrier

Carbody	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. Track width: 27.6 ft. Bending- and torsion-resistant welded structure of box type construction, fabricated of high-strength fine grain structural steel.
Crawlers	Bending-resistant welded structure of high-strength fine grain structural steel. Automatic centralised lubrication is included as standard. 16 rollers on each side frame with hardened rolling surfaces. Raised position for both drive sprockets and idler wheels, drive sprockets and idler wheels provide load bearing capacity for erection, adjustable track tension. Crawler pads: 4.9 ft wide.
Crawler drive	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 very compact design to fit within the width of the crawlers. Each crawler is infinitely variable controlled, both independently and in opposite direction. Tractive effort: 314,732 lbf per side.
Assembly jacks	Four hydraulic jacking cylinders on carbody (folding within 9.8 ft width) for easy assembly of crawlers.

Superstructure

Counterweight	452,000 lb counterweight on superstructure combination with 110,200 lb central ballast. Steelbox type. Weight of counterweight blocks: 22,050 lb.
Frame	Torsion-resistant welded structure fabricated of high-strength fine grain structural steel.
Slew ring	Triple-row roller bearing slew ring with external ring gear for ease of service and maintenance. Central lubrication system.
Drive	Water-cooled 8-cylinder MTU diesel engine type OM 502 LA, 405 kW (550 HP) at 1800 rpm. Max. torque 1917 lb-ft at 1300 rpm. The engine complies with EUROMOT 3b, resp. Tier 4i. Pump distribution gearbox with five variable displacement axial piston pumps, and gear pumps. AdBlue tank and SCR catalytic converter. Sound insulation covering. Fuel tank capacity: 317 gallons.
Rope drums	The standard superstructure equipment includes three rope drums – hoist 1, 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, 3 and W 1, 2 equipped with quick-connect rope end-fittings. All winches are removable to minimise weight for transportation.
A-frame	Hydraulic raising systems for A-frame as standard. A-frame, boom hoist and sheave sets for boom hoist can be dismantled as one single transport unit to minimise transport weight. Dismantling of hoist 1 and 2 possible without removing A-frame first.
Slew unit	Powered by hydraulic motors through 2 closed, planetary gear units running in oil bath. Spring-applied, hydraulically released holding brakes and non-wearing hydraulic braking. Slew speed infinitely variable 0-1 rpm.
Control system	Terex IC-1: Electronic proportional valve pilot control integrated in stored-program control system incl. diagnostic system. Two monitors with colour displays, load moment indicator operated via a touch screen. Working speeds infinitely variable controlled by the lever position. Automatic power control for optimal utilisation of engine output; emergency control systems. Additional functions: <ul style="list-style-type: none"> • Infinitely variable position of Superlift counterweight with the optional adjustable Superlift system 36.1 - 62.3 ft • Infinitely variable position of main boom angle in SWSL configuration 55-87° (65-87° in SW configuration) • Working area limitation • Diagnosis and troubleshooting • User defined joystick mode The crane is controlled by joystick levers ergonomically positioned in the crane cab. Wireless rigging remote control. Wireless emergency remote control.
Cab	Comfortable cab with large windscreen and air condition. Safety-glazing all around, roof window, self-contained hot air heater, full instrumentation and crane controls. Air-cushioned operator seat, emergency seat, multiple storage areas, 12-V power plug. The cab can be tilted back for improved operator view of boom point. A camera system is installed to monitor the rope drums. Front window can be opened. Dashboard can be adjusted for optimum ergonomics and view. Front wiper with resting position outside of window area for optimum view. For transportation, the cab swings hydraulically in front of the superstructure to minimise width.
Electrical equipment	24 V DC. system (4 x batteries 12 V, 95 Ah).
Operator aids	Load moment indicator integrated in IC-1 control (load moment, radius, angles, safety and engine and hydraulic system monitoring), hoist limit switch, limit switches for boom movements, hydraulic boom backstop, position light, anemometer.

Optional equipment

Hydraulic quick connection	
Crawler pads	6.6 ft.
Quadro drive	2 drives for each crawler carrier 2600 kN tractive force – at reduced drive speed.
Alternative counterweights made of cast iron	
Alternative counterweight segmentation	
	22,050 lb + 16,535 lb or 22,050 lb + 33,070 lb
Hydraulic cylinder on A-frame	For self-assembly of crawler carrier.
Hydraulic cylinder with or without hydraulic unit	For boom pinning.
Additional lateral outrigger system	For erection of long boom systems.

Boom configurations

Main boom	SH_1:	Length	78.7 – 315.0 ft
Main boom with Superlift (SL)	SSL_1:	Length	118.1 – 354.3 ft
Luffing jib	W:	Length	78.7 – 315.0 ft
Fixed fly jib (for vessel lift)	LV:	Length	59.0 ft
Light fixed fly jib	LF:	Length	39.4 – 118.1 ft
Stepped main boom	LH_1:	Length (374.0 ft based on SW_1)	118.1 – 374.0 ft 275.6 ft + 157.5 ft
Stepped main boom with SL	LSL_1:	Length (472.5 ft based on SWSL_1)	236.2 – 472.5 ft 275.6 ft + 236.2 ft
Stepped main boom with SL	LSL_2:	Length (472.5 ft based on SWSL_1)	177.2 – 472.5 ft 315.0 ft + 196.9 ft

Combinations

Main boom + luffing fly jib	SW_1:	max. length	216.5 ft + 315.0 ft 236.2 ft + 216.5 ft
Main boom with SL + luffing fly jib	SWSL_1:	max. length	315.0 ft + 315.0 ft 334.6 ft + 295.3 ft 354.3 ft + 196.9 ft
Main boom with SL + fixed fly jib	LVSL_1:	max. length	354.3 ft + 39.4 ft
Main boom + LF	SH+LF_1:	max. length	275.6 ft + 118.1 ft 295.3 ft + 78.7 ft 315.0 ft + 39.4 ft
Main boom with Superlift (SL) + LF	SSL+LF_1:	max. length	354.3 ft + 118.1 ft
Stepped main boom + LF	LH+LF_1:	max. length (374.0 ft based on SW_1)	334.6 ft + 118.1 ft 354.3 ft + 78.7 ft 374.0 ft + 39.4 ft 275.6 ft + 157.5 ft
Stepped main boom + LF (special LF linkage head, 9.8 ft section steps optional,	LH+LF_3:	max. length 364.2 ft based on SW_1	364.2 ft + 39.4 ft 275.6 ft + 157.5 ft
Stepped main boom with SL + LF	LSL+LF_2:	max. length (472.5 ft based on SWSL_1)	472.5 ft + 118.1 ft 315.0 ft + 196.9 ft
Stepped main boom with SL + LF (special LF linkage head, 9.8 ft section steps optional,	LSL+LF_3:	max. length 482.3 ft based on SWSL_1	482.3 ft + 39.4 ft 354.3 ft + 196.9 ft
Stepped main boom with SL + LF (special LF linkage head, 9.8 ft section steps optional,	LSL+LF_4:	max. length 521.7 ft based on SWSL_1	521.7 ft + 39.4 ft 354.3 ft + 196.9 ft + 39.4 ft heavy section)
Reeving winch	Mounted on superstructure.		
Operator aids	Load moment indicator, hoist limit switch, limit switches for boom movements, hydraulic boom backstops, anemometer.		

Optional equipment

Standard SL	118.1 ft Superlift mast incl. hoist W2. SL pendant bars, mast back stop cylinders, SL tray. Superlift counterweight 0 lb at radius 29.5 ft or 0-716,600 lb on counterweight tray at fixed radii 36.1 ft, 42.6 ft, 49.2 ft, 55.8 ft and 62.3 ft.
Variable SL	Variable 118.1 ft Superlift mast (see Standard SL). Additional vertical hydraulic cylinders and stabilisation winch on superstructure (prevents weaving of counterweight especially when traveling and slewing). Height compensation using the cylinders, lifting across obstacles possible to a certain extent. Superlift counterweight 0 lb at radius 29.5 ft or 0-716,600 lb on counterweight tray, indefinitely variable from 36.1-62.3 ft.
SL counterweight carrier	Superlift mast (see Standard SL). Telescopic frame and counterweight carrier for total weight of 716,600 lb, with 4 wheels / 2 axles (driven and steered – full manoeuvrability for slewing, trailing, and parallel modes). Superlift counterweight 88,200-716,600 lb on counterweight carrier with fixed mast radius approx. 52.5 ft; infinitely adjustable from 42.6-55.8 ft or 55.8-62.3 ft resp. with telescopic frame. The counterweight carrier allows for traveling or slewing even when the Superlift counterweight does not lift off the ground (e.g. crane with loads as indicated by load chart values in brackets).
Hoist H3	Additional hoist for main boom (to operate LF or runner), line pull same as H1, length 2133 ft.
Runner	Max. lifting capacity 119,100 lb. Mounted on boom head and boom / jib top. Operation by hoist rope 3 (see variable SL).
Runner for LF standard	Max. lifting capacity 39,700 lb. Operated by rope 3.
Special LF linkage head	Without sheave set for higher lifting capacities when using LF. Required for LH+LF_3, LSL+LF_3 and LSL+LF_4.
9.8 ft intermediate section	For 9.8 ft-intermediate lengths when using LH+LF_3, LSL+LF_3 and LSL+LF_4 combination.
Fall protection	

NOTES TO LIFTING CAPACITY

SUPERLIFT 3800

Ratings are in compliance with ISO 4305.

Lifting capacities do not exceed 75% of tipping load.

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.

A large rectangular area with horizontal lines, intended for taking notes. The lines are evenly spaced and cover the majority of the page's width and height.

Effective Date: March 2013.

Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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Brochure Reference: TC-DS-I-E-Superlift 3800-03/13



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