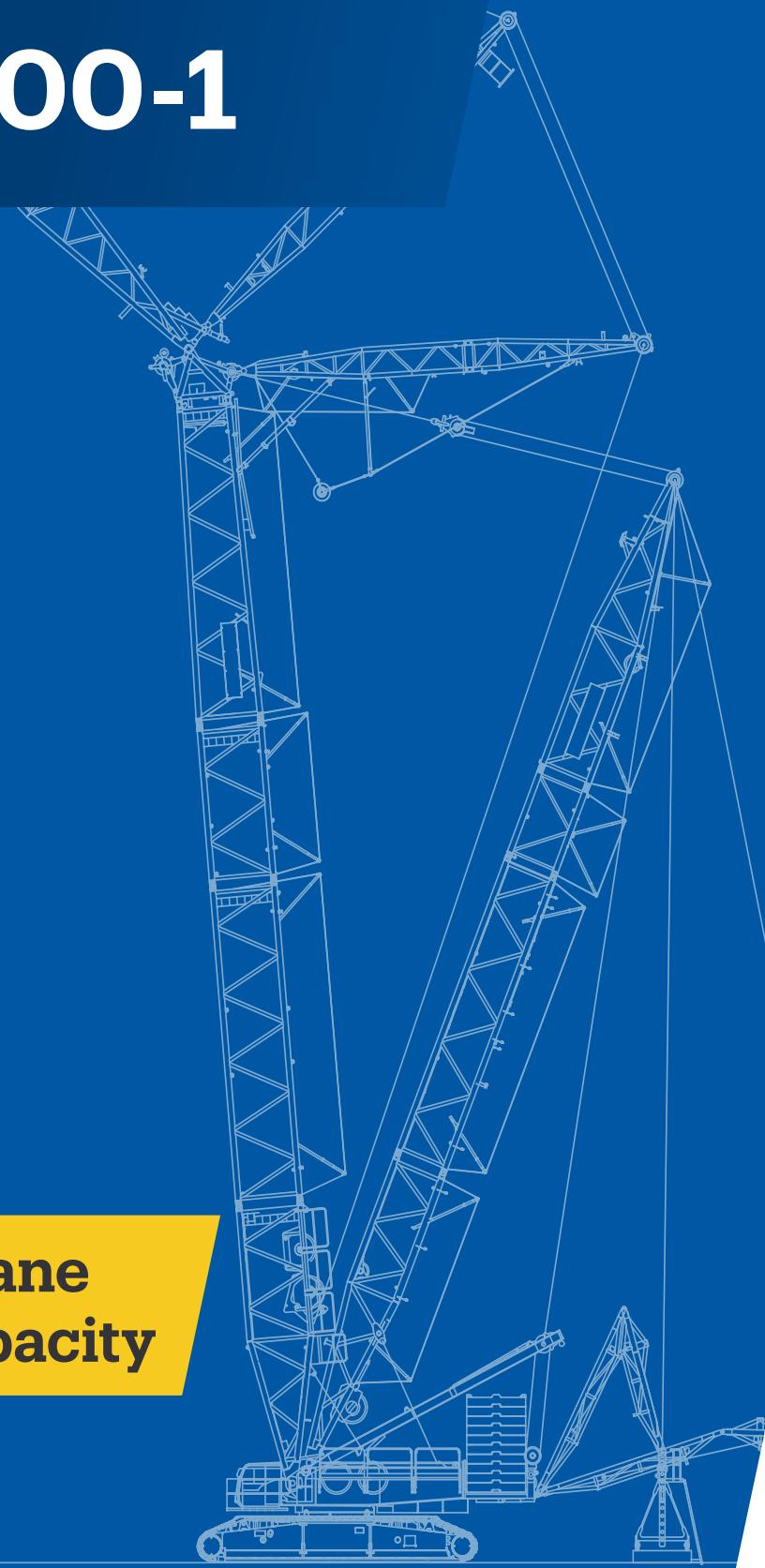


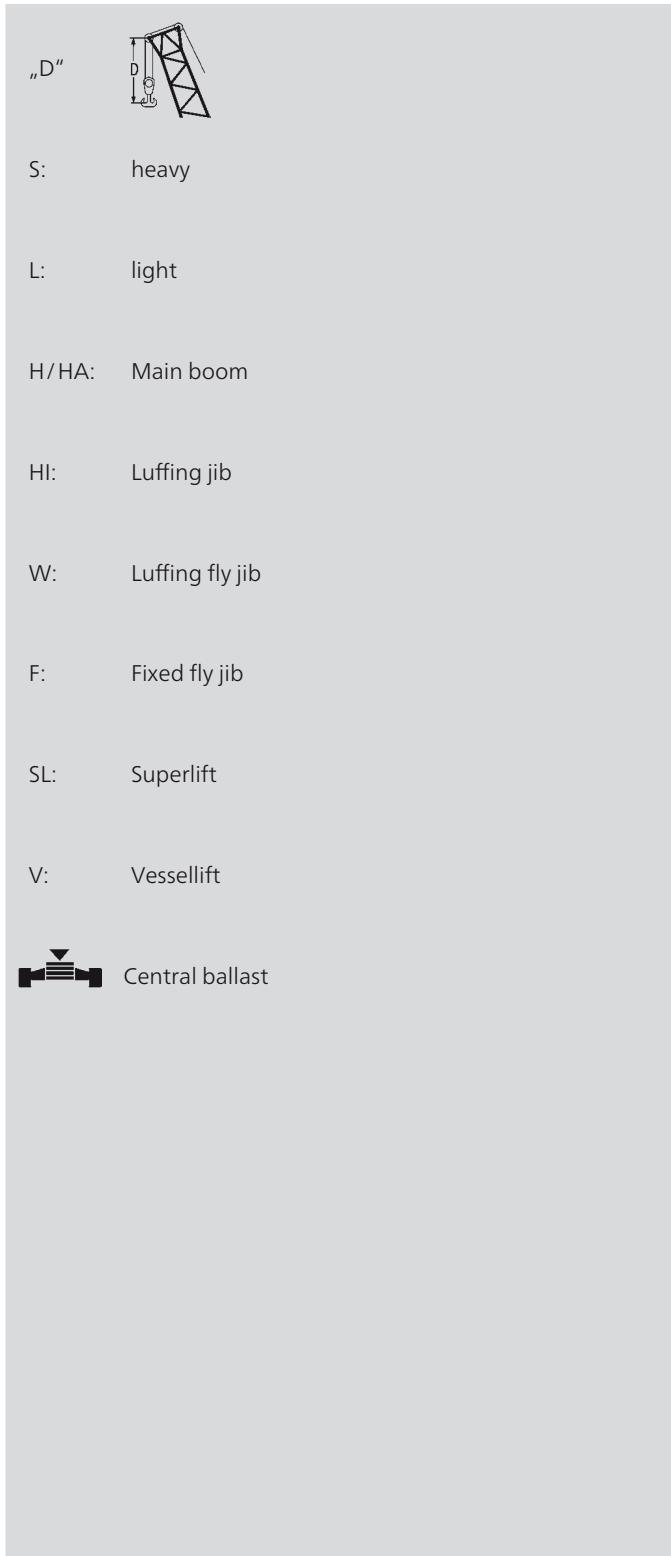
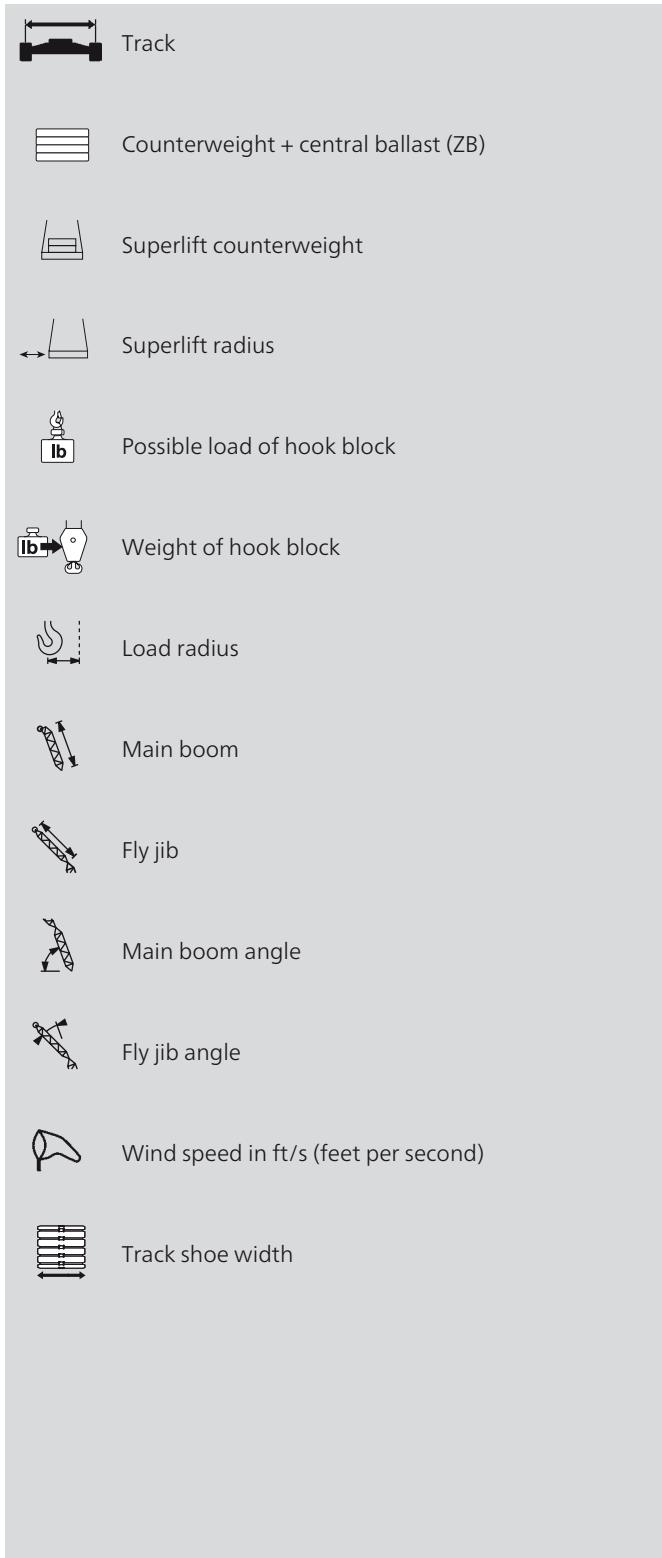
CC 3800-1

**Crawler Crane
715 USt Capacity**



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BY TEREX

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- ▶ 715 USt at 39.4 ft radius
- ▶ Load moment of 61.364 ft-kips
- ▶ Fall protection as standard
- ▶ 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 **557.8 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
--------------	---------------

Specifications

CC 3800-1

Hook block system

Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 325	1433,000 lb 838,000 lb	4 x 5 1 x 10	2 x 20 1 x 21	22,270 lb – 29,110 lb 16,100 lb – 24,920 lb (8,380 lb – 24,260 lb*)	18.4 ft 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*)	19.4 ft (16.1 ft*)
	419,000 lb				19.4 ft (17.1 ft*)

* with optional equipment 882,000 lb or 441,000 lb hook

Double hook block

Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 90	392,500 lb	2 x 2	2 x 5	5,070 lb – 19,620 lb	14.8 ft

Hook block

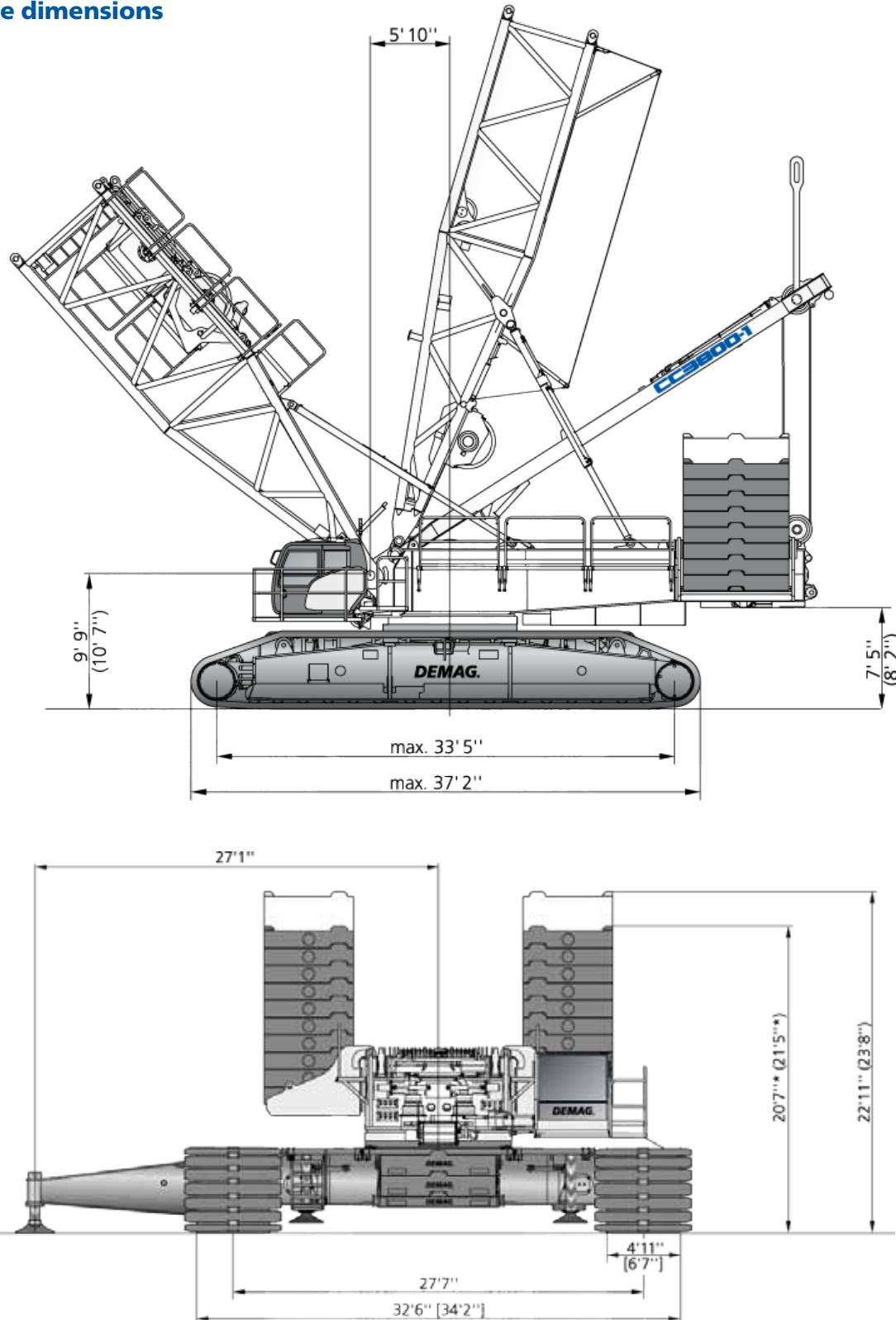
Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
125	272,300 lb	1 x 3	1 x 7	4,000 lb – 11,250 lb	15.1 ft
54	119,000 lb	1 x 1	1 x 3	2,430 lb – 7,280 lb	14.8 ft
18*	39,700 lb	–	1 x 1	2,430 lb	12.8 ft

* Single line hook

Specifications

CC 3800-1

Basic crane dimensions



() with optional quick-connection

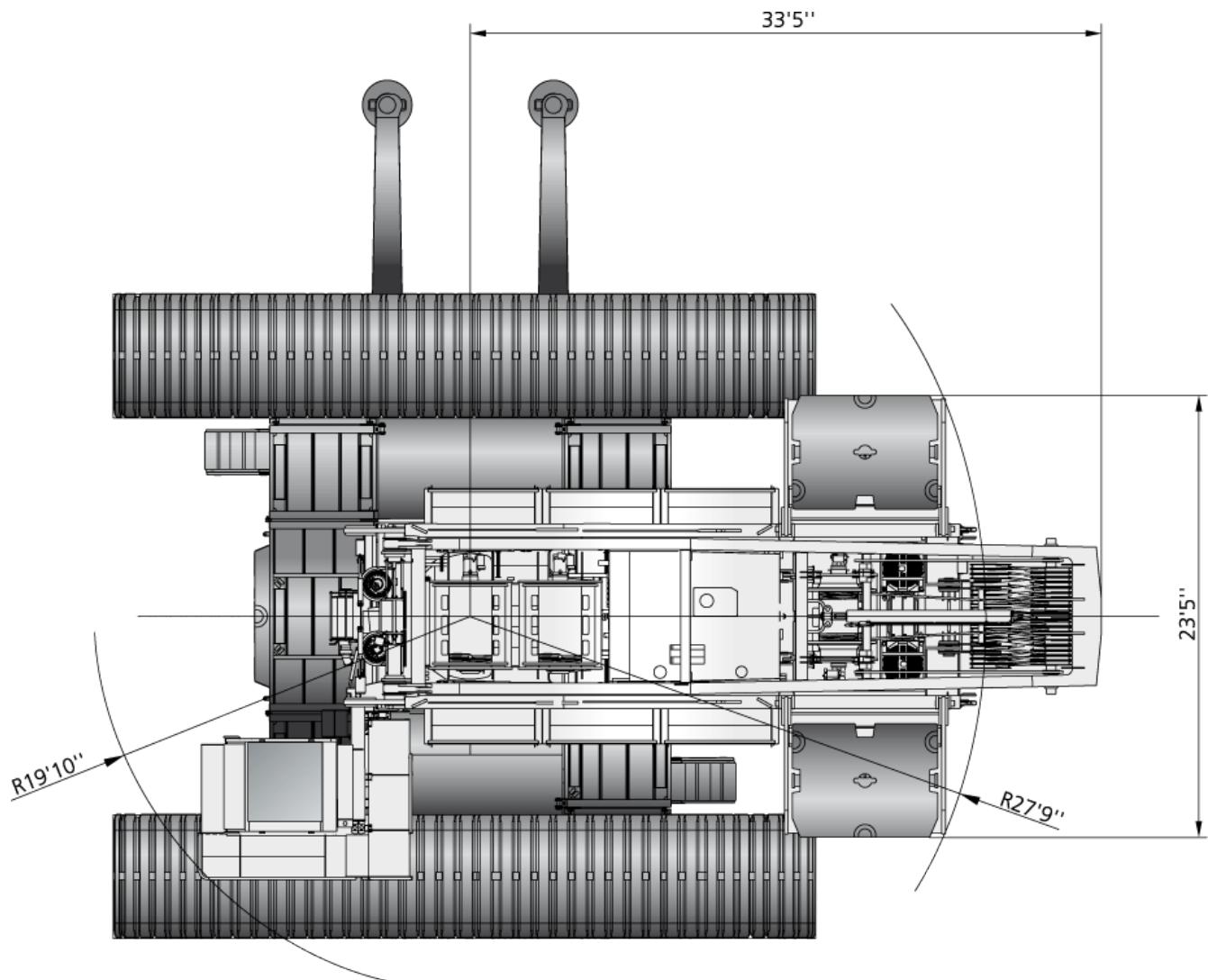
[] Option

* Optional cast iron

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Specifications

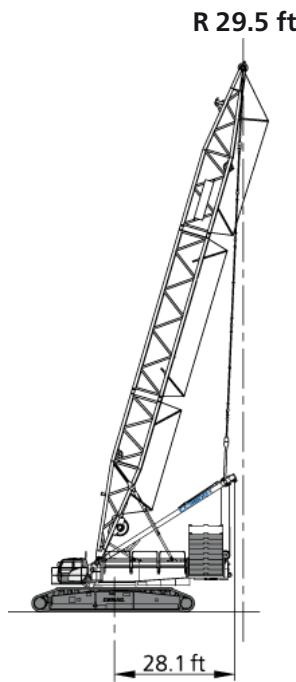
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Superlift Configurations

CC 3800-1

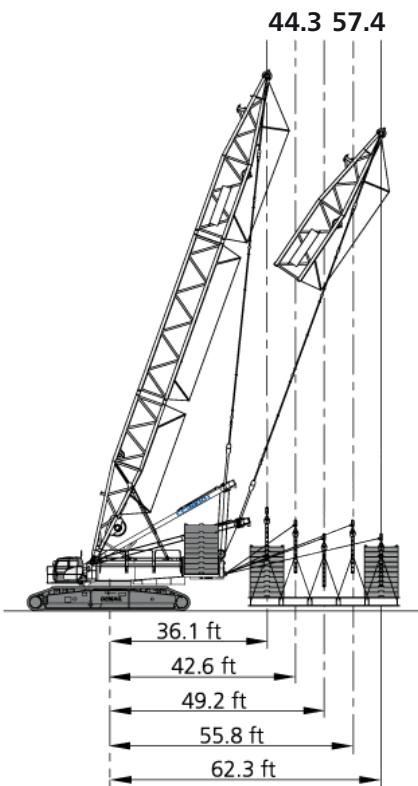
SL 0 lb 29.5 ft



Standard-SL

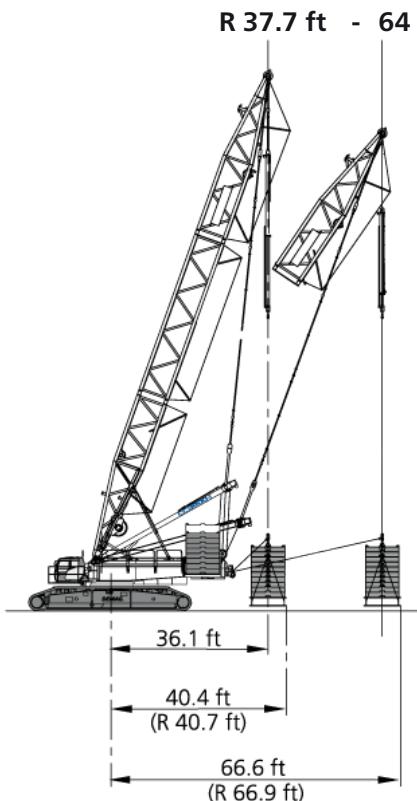
R 37.7 50.8 64 ft

44.3 57.4



Vario-SL 36.1-62.3 ft*

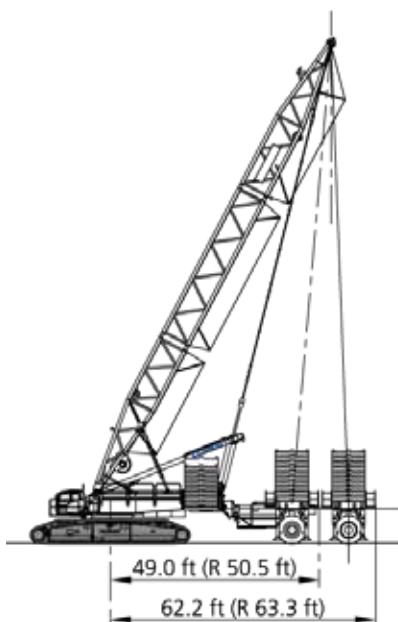
R 37.7 ft - 64 ft



42.6-55.8 ft

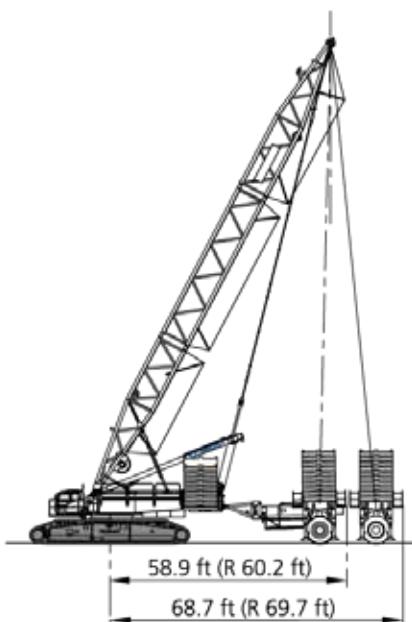
R 51.7 ft

SL Carrier



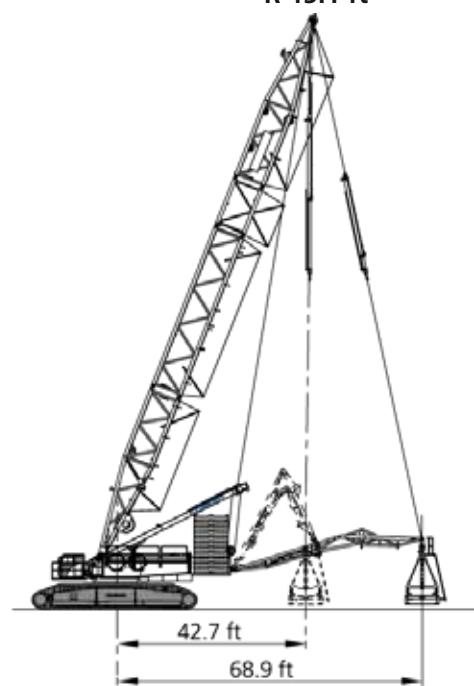
49.2-62.3 ft

R 51.7 ft



Flex Frame
42.6-68.9 ft**

R 45.1 ft



* with SL mast 129.6 ft: 36.1 ft-68.9 ft

** only in combination with SL masts 129.6 ft or 137.8 ft

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Specifications

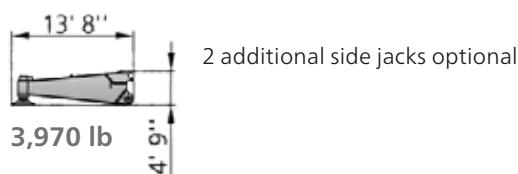
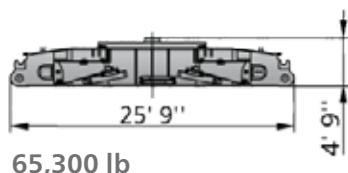
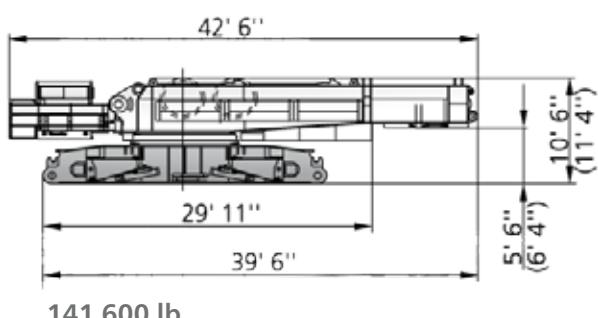
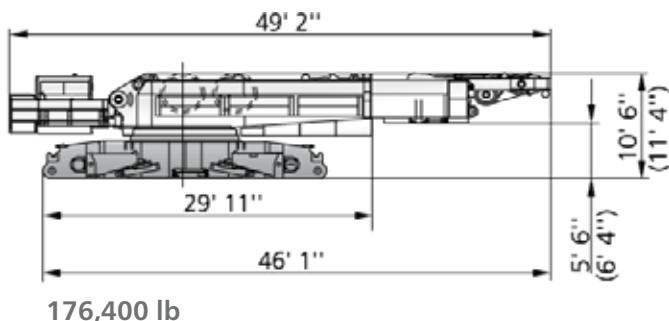
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Weights

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

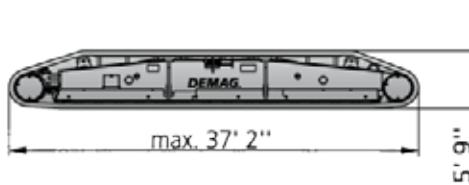
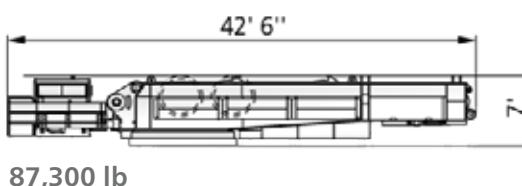
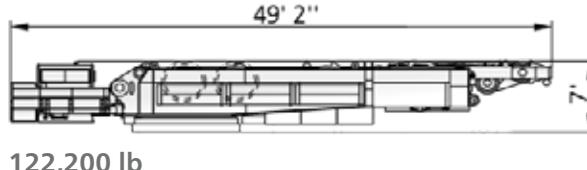
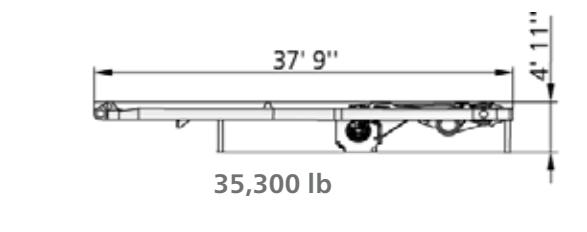
Specifications

CC 3800-1

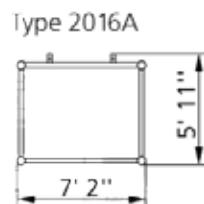
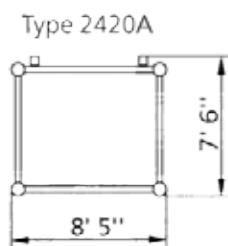
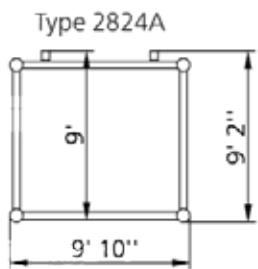
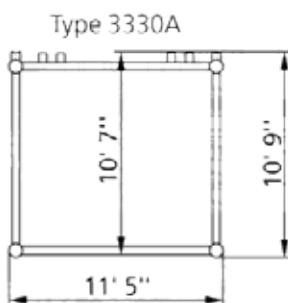
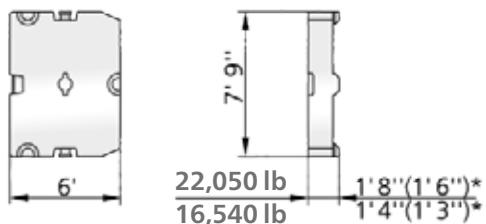


Without winches H1 + H2 (14,110 lb each)

* Optional cast iron



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



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Erection / Lowering

CC 3800-1

Erection / lowering of the CC 3800-1 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]	-	-	-	-	-	-	-	-	
	196.9 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	216.5 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	236.2 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	255.9 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	275.6 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	295.3 ft	X	X	X	X	X	[X]	[X]	[X]	-	-	-	-	-	-	-	-	
	315.0 ft	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]	[X]	-	-	-	-	
 LH+LF_1 15°, 20°, 30°	39.4 ft	-	-	-	-	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]	-	
	118.1 ft	-	-	-	-	X	X	X	X	X	X	[X]	[X]	[X]	[X]	[X]	-	
		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 without assisting equipment

[X] with additional side jack

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

Erection / Lowering

CC 3800-1

Erection / lowering of the CC 3800-1 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	472.4	492.1	511.8		
SSL_1		X	X	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	X	-		
LSL_2		-	-	-	X	X	X	X	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	X	X	X	X	X	-	-	-	-	-	-		
	98.4 ft	X	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	X	-	-	-	-	-	-		
	137.8 ft	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-		
	157.5 ft	X	X	X	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	X	X	-	-	-	-	-	-		
	196.9 ft	X	X	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	X	X	X	-	-	-	-	-	-		
	236.2 ft	X	X	X	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	X	X	X	-	-	-	-	-	-		
	275.6 ft	X	X	X	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	X	X	X	-	-	-	-	-	-		
	315.0 ft	X	X	X	X	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	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	-	-	-	-	-	-		
LSL+LF_2  15°, 20°, 30°	39.4 ft	-	-	-	-	-	-	X	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	-		
LVSL_1  15°	39.4 ft	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-		
		255.9	275.6	295.3	305.1	315.0	324.8	334.6	344.5	354.3	364.2	374.0	383.9	393.7	413.4	433.1	452.1	472.4	492.1	511.8	531.5	541.3	551.2	561.0
LSL_5		-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	-	-	-
LSL_7		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
LSL_9		-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	-	
LSL_11		-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	-		
LSL_13		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	(X)	(X)	(X)		
LSL_15		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(X)	(X)	(X)	(X)	(X)		
LSL+LF_3  15°, 20°	39.4 ft	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	X	X	X	X	-	-	-
LSL+LF_4  20°	78.7 ft	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
LSL+LF_6  15°, 20°	39.4 ft	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
LSL+LF_8  15°, 20°	39.4 ft	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
LSL+LF_10  15°, 20°	39.4 ft	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	-		
LSL+LF_12  15°, 20°	39.4 ft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	-	-	-
LSL+LF_14  15°, 20°	39.4 ft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(X)	(X)	(X)	(X)	(X)	(X)	-	-	-
LSL+LF_14  15°, 20°	59.0 ft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(X)	(X)	(X)	(X)	(X)	(X)	-	-	-

X without assisting equipment

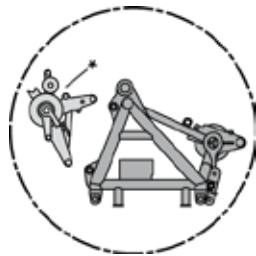
(X) with flex frame

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

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Boom Combinations

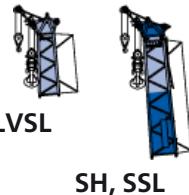
CC 3800-1



Type 2824A
Type 2420A

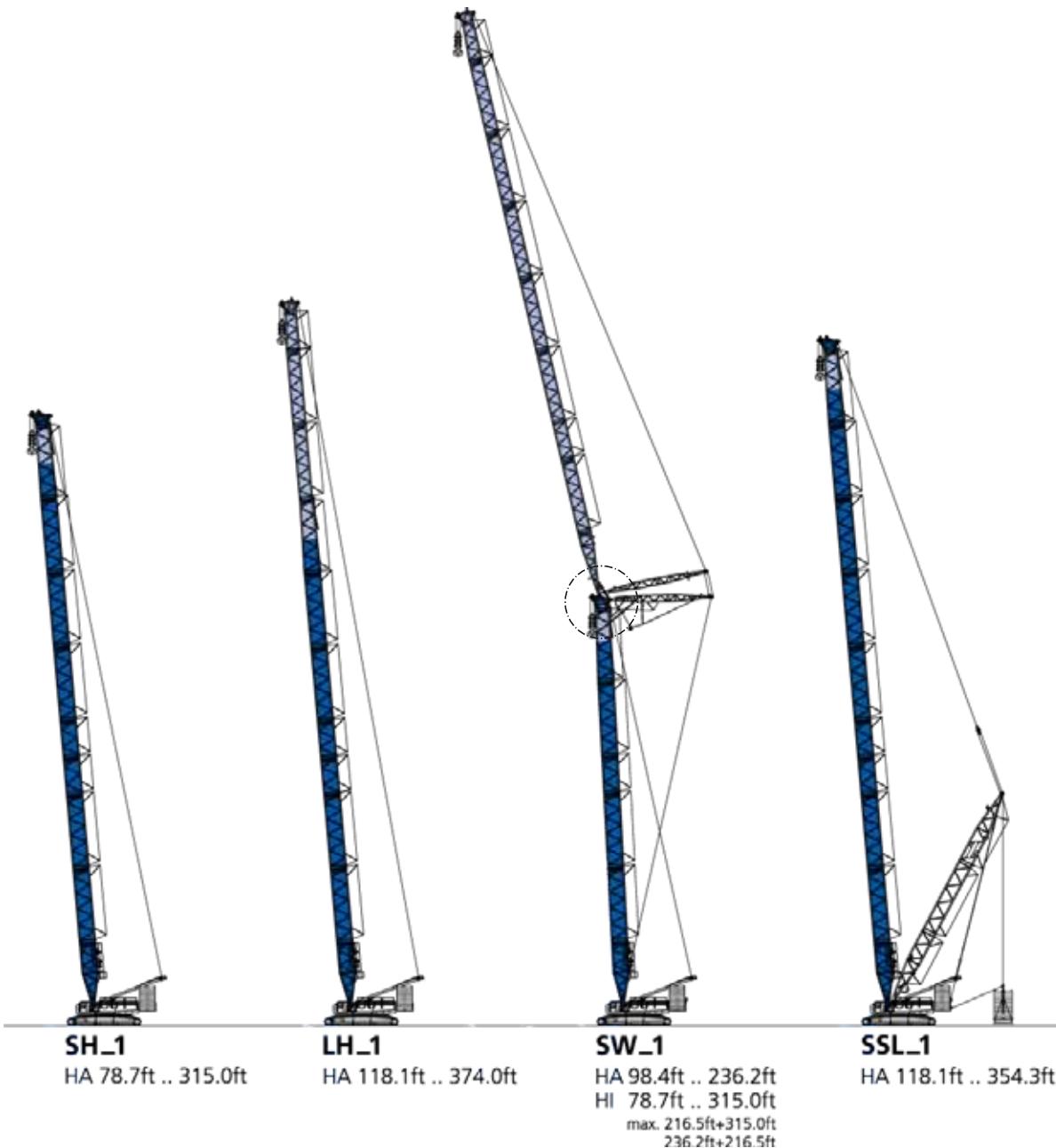
* Attachable

Runner
119,000 lb



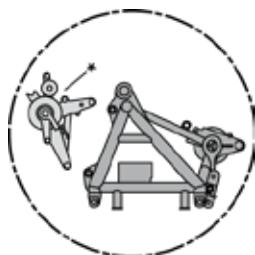
LH, LSL, SW, SWSL, LVSL

SH, SSL



Boom Combinations

CC 3800-1



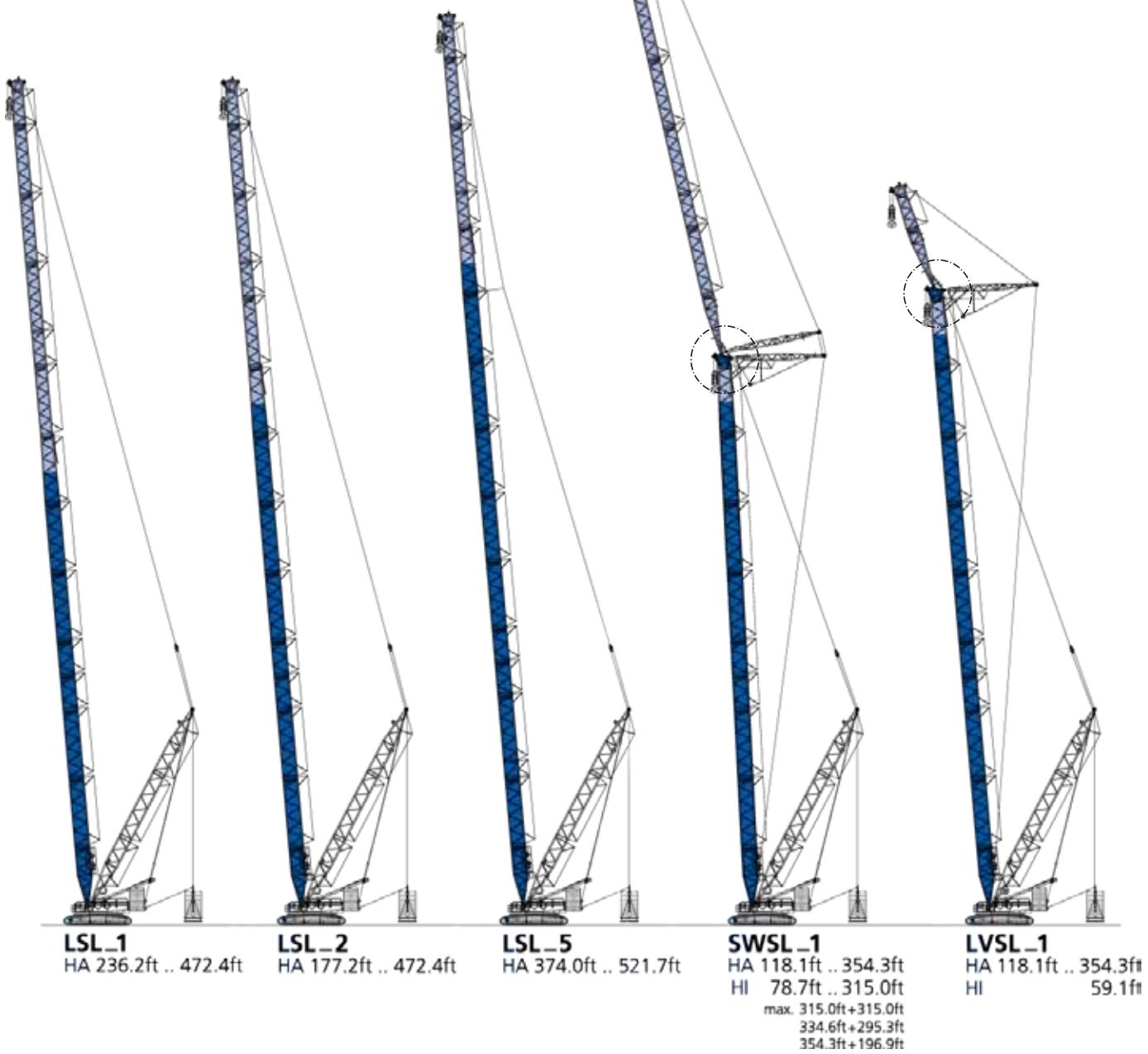
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Type 2420A

* Attachable

Runner
119,000 lb



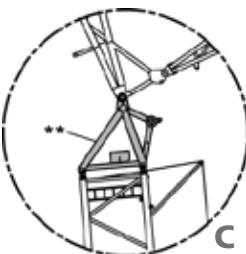
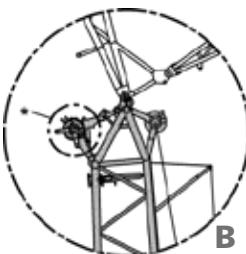
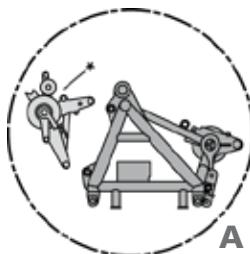
LH, LSL, SW, SWSL, LVSL



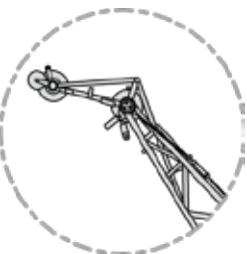
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BY TEREX

Boom Combinations

CC 3800-1



Type 2824A
Type 2420A



Runner 39,700 lb
on LF standard

* Attachable
** Option



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

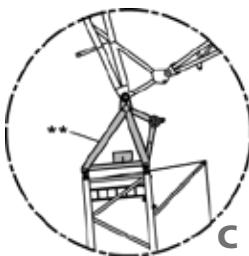
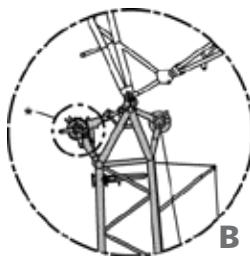
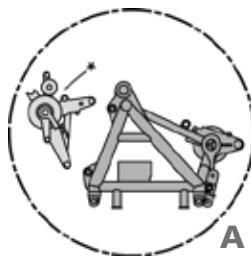
LH+LF_3
HA 236.2ft.. 364.2ft
HI 78.7ft

DEMAG

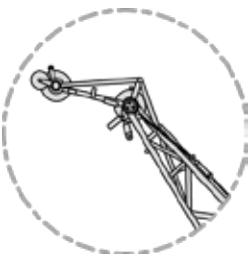
BY TEREX

Boom Combinations

CC 3800-1

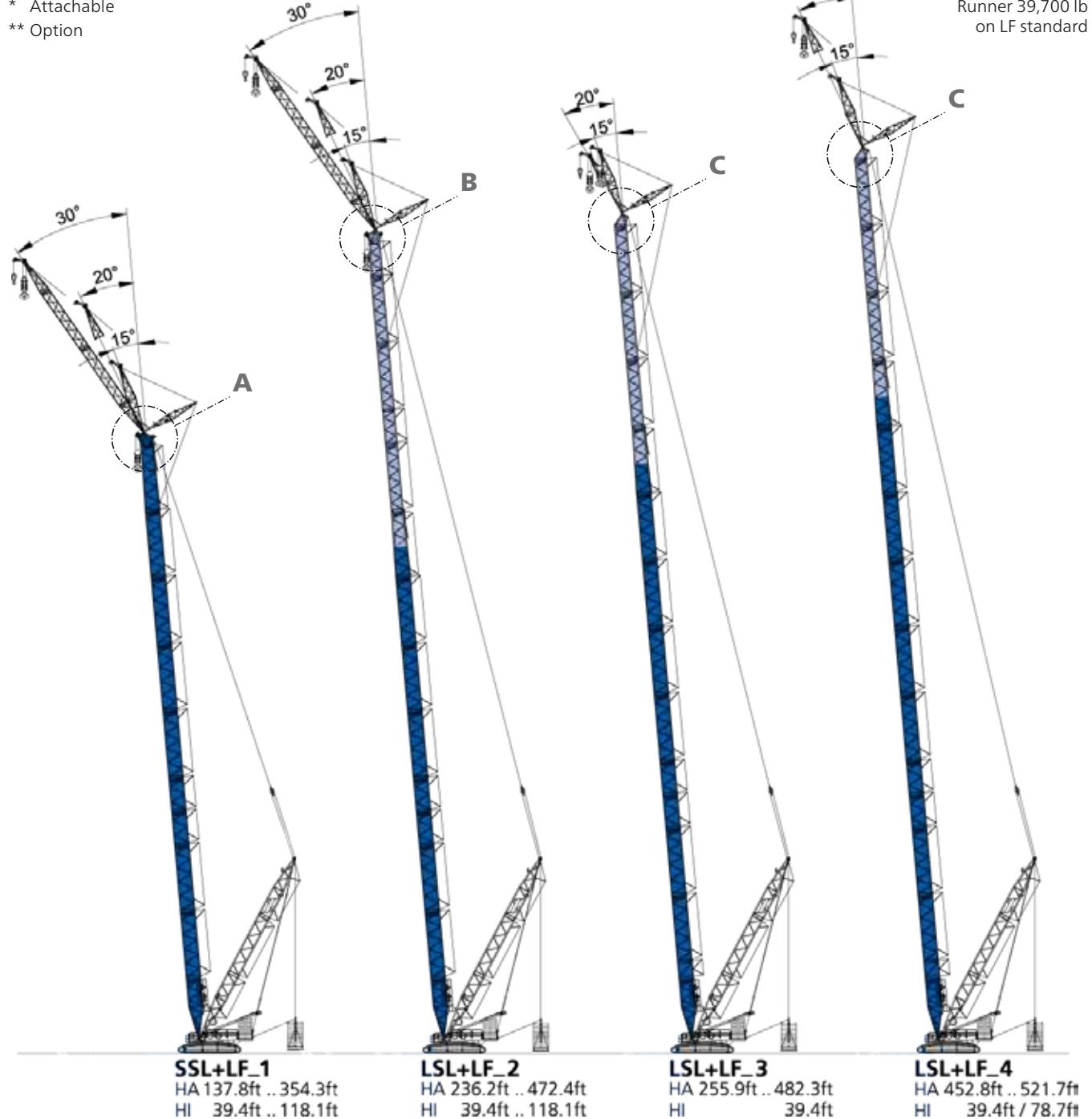


Type 2824A
Type 2420A



* Attachable

** Option



DEMAG
BY TEREX

Boom Combinations

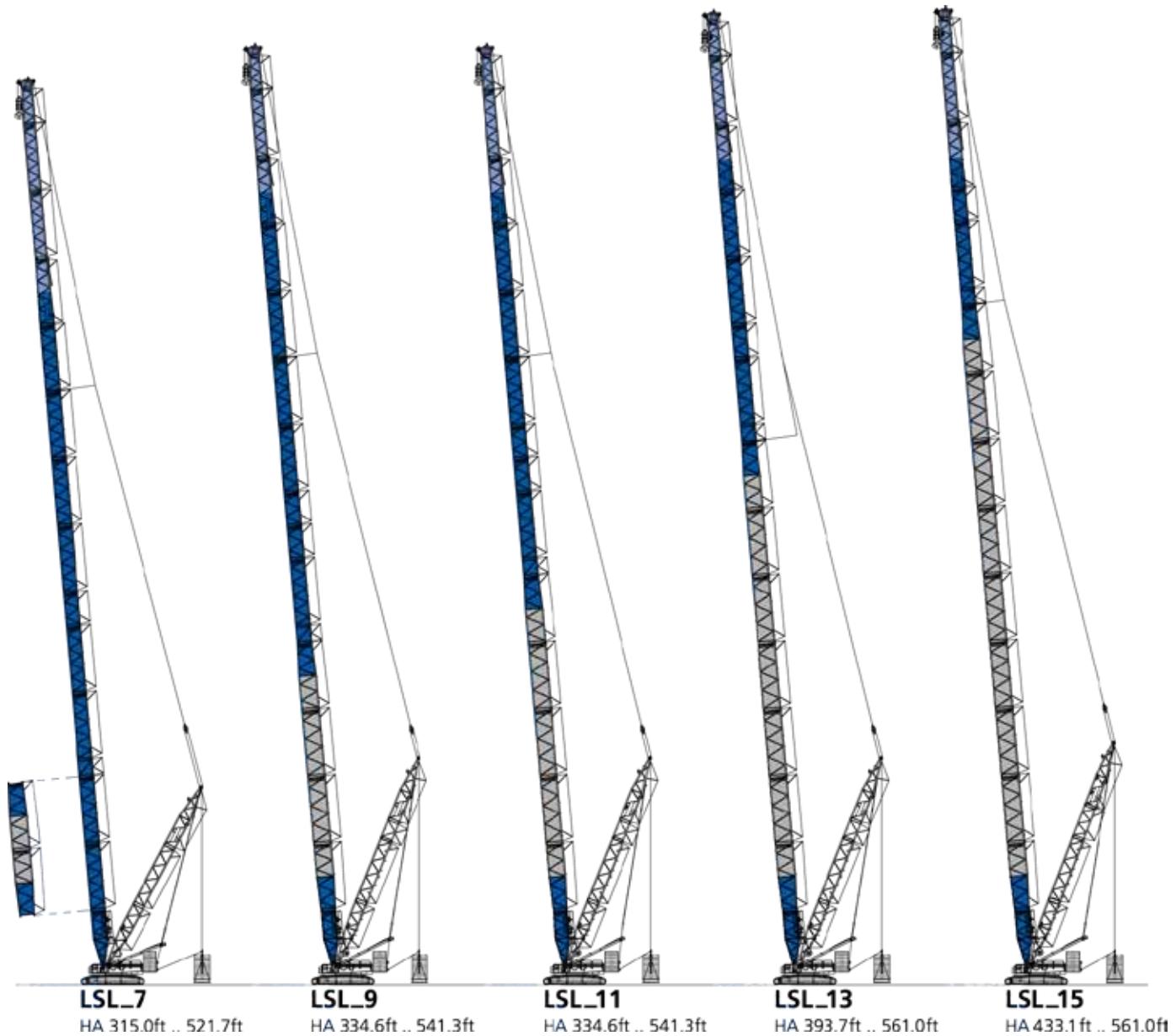
CC 3800-1

- Type 3330A
- Type 2824A
- Type 2420A

Runner
119,000 lb

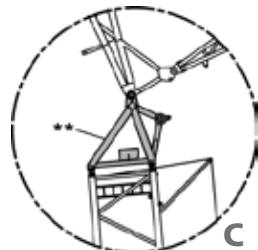


LSL



Boom Combinations

CC 3800-1

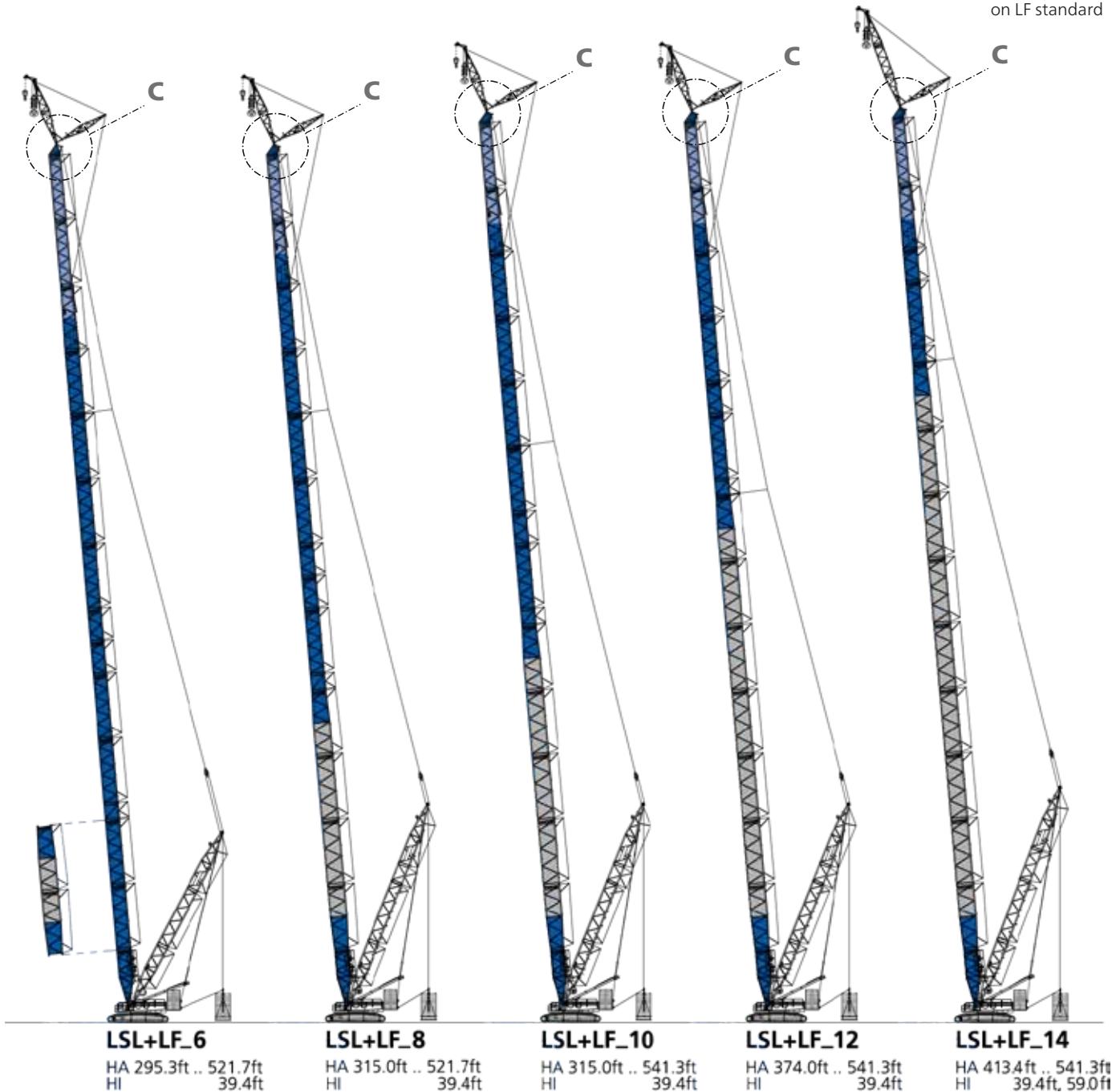


** Option

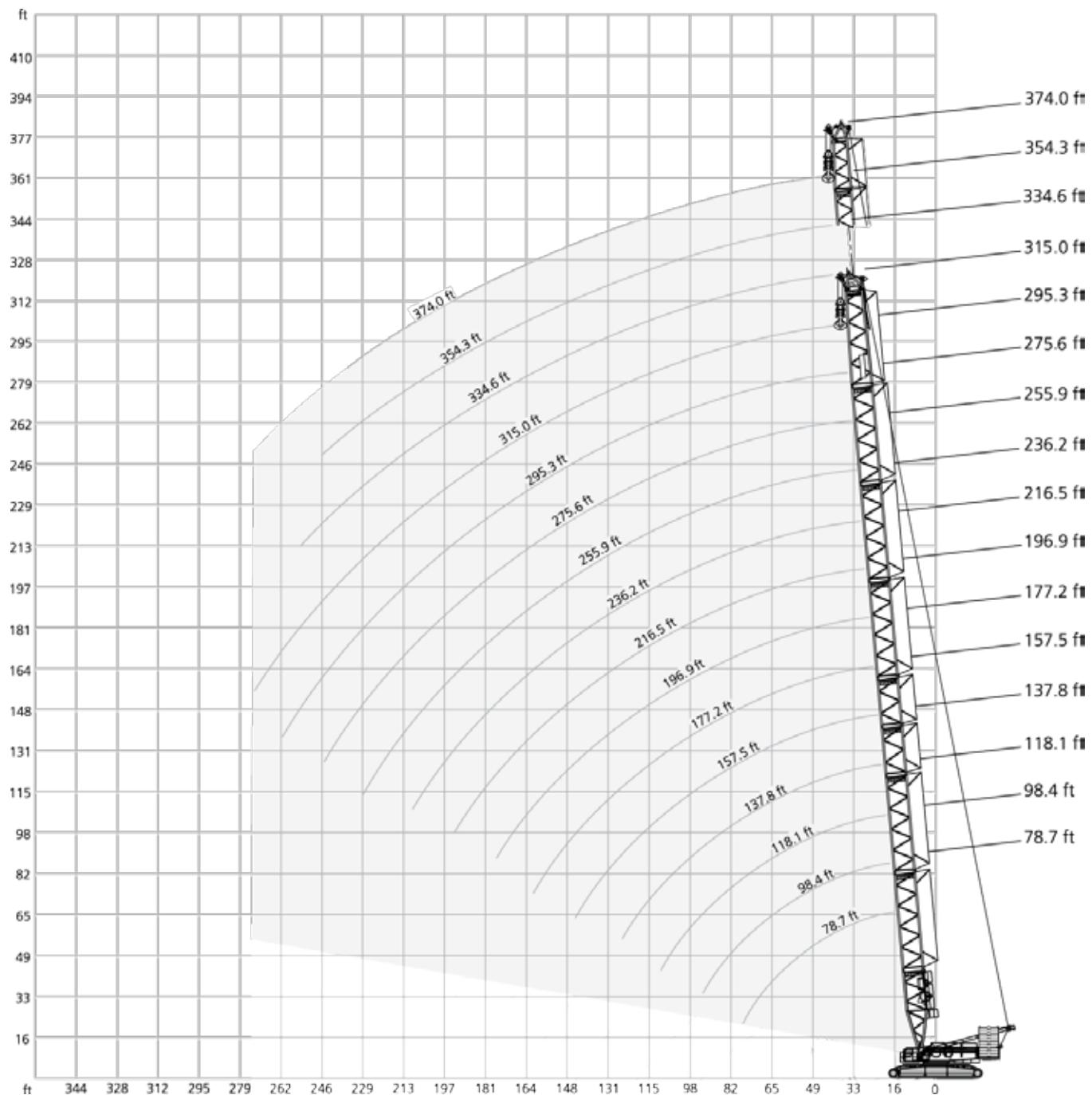
- Type 3330A
- Type 2824A
- Type 2420A



Runner 39,700 lb
on LF standard



DEMAG
BY TEREX



				27.6 ft		32.2 ft/s		360°		75%	
				SH_1							
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
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	679.0	-	-	-	26.2
29.5	941.4	934.8	870.8	815.7	765.0	720.9	-	-	-	-	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
39.4	646.0	643.8	615.1	584.2	555.6	529.1	502.7	480.6	458.6	440.9	421.1
45.9	502.7	502.7	500.4	489.4	467.4	445.3	425.5	410.1	390.2	377.0	359.4
52.5	410.1	407.9	407.9	403.4	401.2	383.6	368.2	352.7	339.5	326.3	313.1
59.1	346.1	343.9	341.7	337.3	337.3	335.1	321.9	310.9	297.6	286.6	275.6
65.6	297.6	293.2	291.0	288.8	286.6	284.4	282.2	275.6	262.4	255.7	244.7
72.2	260.1	255.7	253.5	251.3	249.1	246.9	244.7	242.5	233.7	227.1	218.3
75.5	244.7	241.4	239.2	235.9	234.2	232.0	229.3	228.2	222.1	216.1	207.2
78.7	-	227.1	224.9	220.5	219.4	217.2	213.8	213.8	210.5	205.0	196.2
85.3	-	202.8	199.5	196.2	194.0	191.8	189.6	188.5	185.2	184.1	177.5
91.9	-	183.0	179.7	176.4	174.2	170.9	168.7	167.6	165.3	164.2	160.9
98.4	-	-	163.1	159.8	156.5	154.3	151.0	149.9	147.7	146.6	143.3
108.3	-	-	-	142.2	139.2	135.9	133.7	130.3	129.2	125.7	124.6
111.5	-	-	-	-	132.3	129.0	126.8	123.5	122.4	120.2	117.9
124.7	-	-	-	-	-	112.4	109.3	106.3	103.4	102.1	99.0
137.8	-	-	-	-	-	-	93.5	89.9	86.9	85.1	81.4
144.4	-	-	-	-	-	-	86.9	83.4	79.7	77.6	74.3
150.9	-	-	-	-	-	-	-	76.9	73.0	71.0	67.2
160.8	-	-	-	-	-	-	-	68.6	64.5	62.4	58.5
164.0	-	-	-	-	-	-	-	-	59.5	55.6	53.8
177.2	-	-	-	-	-	-	-	-	52.5	50.0	46.1
190.3	-	-	-	-	-	-	-	-	42.3	37.9	36.2
193.6	-	-	-	-	-	-	-	-	40.6	36.2	34.4
203.4	-	-	-	-	-	-	-	-	-	31.1	29.1
210.0	-	-	-	-	-	-	-	-	-	28.2	26.2
216.5	-	-	-	-	-	-	-	-	-	-	23.4
223.1	-	-	-	-	-	-	-	-	-	-	19.4
229.7	-	-	-	-	-	-	-	-	-	-	16.8
232.9	-	-	-	-	-	-	-	-	-	-	14.1
236.2	-	-	-	-	-	-	-	-	-	-	13.0
								-	-	-	11.9

408,000 lb 452,000 lb

66,100 lb 110,200 lb

		27.6 ft	32.2 ft/s	360°	75%									
	ft	SH_1												
	ft	1,000 lb										ft		
	ft	-	-	-	-	-	-	-	-	-	-	-		
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

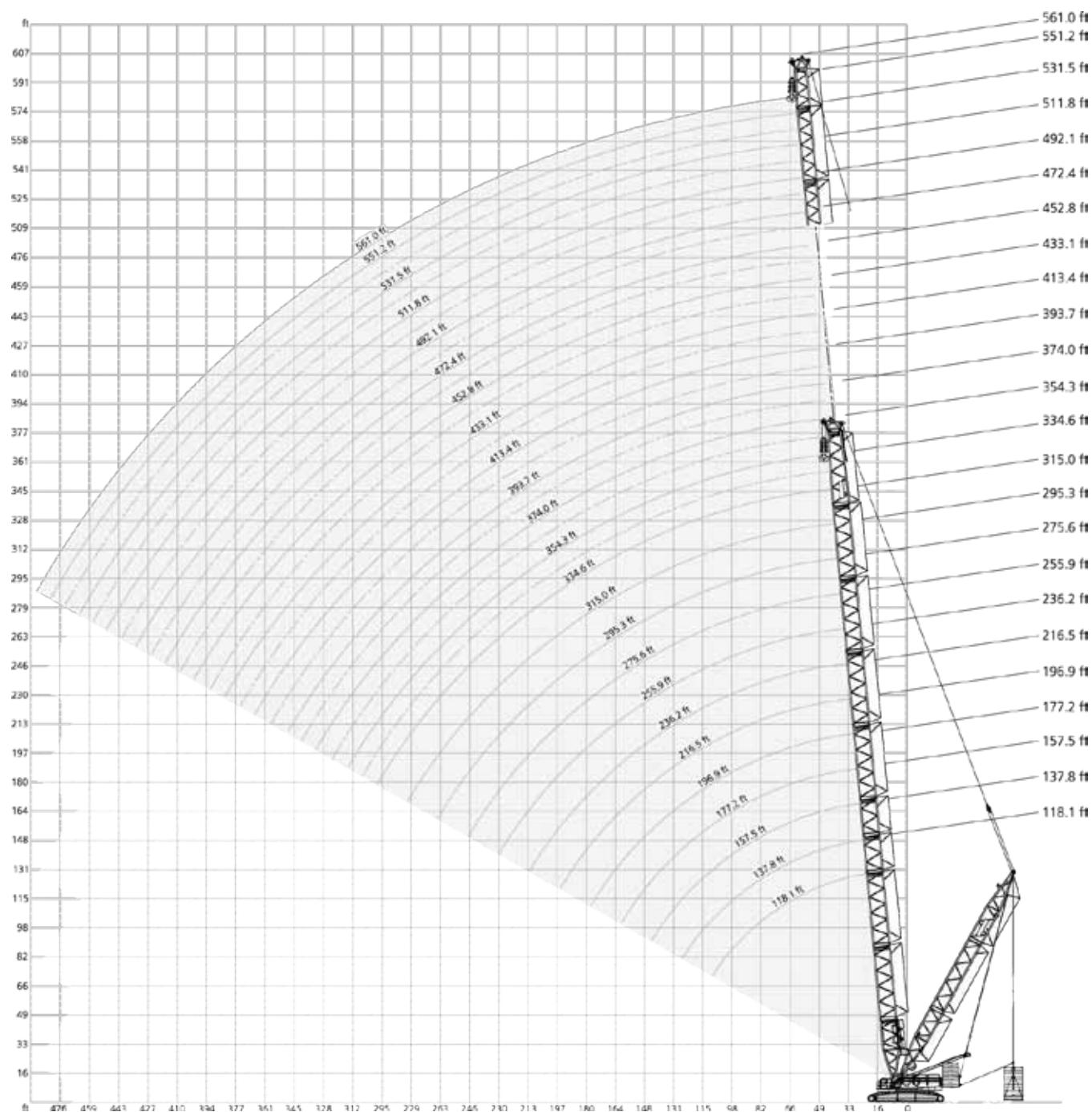
275,600 lb 363,800 lb

	27.6 ft	32.2 ft/s	360°	75%
	LH_1			
ft	1,000 lb			ft
23.0	765.0	765.0	-	23.0
26.2	765.0	765.0	765.0	26.2
29.5	765.0	765.0	734.1	29.5
32.8	765.0	729.7	694.5	32.8
36.1	694.5	660.3	631.6	36.1
39.4	623.9	590.8	568.8	39.4
42.7	566.6	543.4	524.7	42.7
45.9	509.3	496.0	480.6	45.9
52.5	416.7	414.5	414.5	52.5
59.1	350.5	346.1	348.3	59.1
65.6	299.8	297.6	299.8	65.6
72.2	262.4	260.1	262.4	72.2
78.7	233.7	229.3	231.5	78.7
85.3	208.3	205.0	207.2	85.3
91.9	188.5	185.2	186.3	91.9
98.4	172.0	167.6	169.8	98.4
108.3	151.0	147.7	149.1	108.3
111.5	-	141.1	142.2	111.5
124.7	-	120.2	121.3	124.7
137.8	-	-	105.8	137.8
141.1	-	-	102.5	141.1
150.9	-	-	-	150.9
160.8	-	-	-	160.8
164.0	-	-	-	164.0
177.2	-	-	-	177.2
190.3	-	-	-	190.3
193.6	-	-	-	193.6
203.4	-	-	-	203.4
210.0	-	-	-	210.0
216.5	-	-	-	216.5
226.4	-	-	-	226.4
229.7	-	-	-	229.7
236.2	-	-	-	236.2
242.8	-	-	-	242.8
246.1	-	-	-	246.1
249.3	-	-	-	249.3
255.9	-	-	-	255.9
259.2	-	-	-	259.2
262.5	-	-	-	262.5
269.0	-	-	-	269.0
275.6	-	-	-	275.6

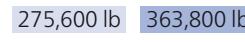
408,000 lb	452,000 lb
66,100 lb	110,200 lb

	27.6 ft	32.2 ft/s	360°	75%
	LH_1			
ft	1,000 lb			ft
23.0	765.0	765.0	-	23.0
26.2	765.0	745.2	701.1	26.2
29.5	694.5	650.4	615.1	29.5
32.8	610.7	575.4	546.7	32.8
36.1	551.2	520.3	497.1	36.1
39.4	491.6	465.2	447.5	39.4
42.7	446.4	426.6	412.3	42.7
45.9	401.2	388.0	377.0	45.9
52.5	326.3	324.1	324.1	52.5
59.1	273.4	271.2	271.2	59.1
65.6	233.7	231.5	233.7	65.6
72.2	203.9	200.6	202.8	72.2
78.7	179.7	176.4	178.6	78.7
85.3	159.8	156.5	158.7	85.3
91.9	144.4	141.1	142.2	91.9
98.4	130.1	126.8	129.0	98.4
108.3	113.5	111.1	112.6	108.3
111.5	-	105.8	107.1	111.5
124.7	-	89.5	90.6	124.7
137.8	-	-	78.0	137.8
141.1	-	-	75.4	141.1
150.9	-	-	-	150.9
160.8	-	-	57.5	160.8
164.0	-	-	-	164.0
177.2	-	-	-	177.2
190.3	-	-	-	190.3
193.6	-	-	-	193.6
203.4	-	-	-	203.4
206.7	-	-	-	206.7
210.0	-	-	-	210.0
216.5	-	-	-	216.5
219.8	-	-	-	219.8
226.4	-	-	-	226.4
229.7	-	-	-	229.7
242.8	-	-	-	242.8

275,600 lb 363,800 lb



496,100 lb + 110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°	75%
		SSL_1							
ft	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb		
26.2	956.8	1433.0	-	-	-	-	-	26.2	26.2
29.5	846.6	1433.0	806.9	1258.8	-	-	-	29.5	29.5
32.8	758.4	1433.0	734.1	1258.8	698.9	1122.2	663.6	981.1	32.8
39.4	637.1	1433.0	608.5	1258.8	582.0	1117.7	555.6	981.1	39.4
45.9	540.1	1269.9	515.9	1258.8	496.0	1106.7	476.2	981.1	45.9
52.5	467.4	1128.8	447.5	1124.4	432.1	1093.5	414.5	978.9	52.5
59.1	405.7	1016.3	392.4	1009.7	379.2	1009.7	366.0	963.4	59.1
65.6	348.3	921.5	343.9	917.1	337.3	914.9	326.3	912.7	65.6
72.2	302.0	844.4	297.6	837.8	297.6	837.8	293.2	833.3	72.2
78.7	264.6	776.0	262.4	771.6	262.4	769.4	260.1	765.0	78.7
85.3	235.9	718.7	231.5	714.3	231.5	712.1	229.3	707.7	85.3
91.9	212.7	668.0	208.3	663.6	208.3	661.4	206.1	657.0	91.9
98.4	191.8	621.7	187.4	615.1	187.4	615.1	185.2	610.7	98.4
111.5	160.9	545.3	157.3	541.6	156.5	540.1	153.6	537.2	111.5
124.7	135.6	476.9	131.9	476.2	130.8	474.7	127.6	472.5	124.7
137.8	115.7	416.7	111.3	418.9	110.2	418.9	107.4	416.7	137.8
150.9	101.6	353.5	96.6	374.8	95.1	377.7	91.6	375.5	150.9
160.8	91.7	317.5	86.5	340.2	84.7	348.7	80.8	346.9	160.8
164.0	-	-	83.8	327.8	81.8	340.2	77.8	338.8	164.0
177.2	-	-	72.8	288.8	70.3	306.4	65.9	306.4	177.2
190.3	-	-	-	-	61.7	264.1	57.1	278.5	190.3
193.6	-	-	-	-	59.5	257.9	54.9	271.5	193.6
203.4	-	-	-	-	-	-	49.2	246.9	203.4
210.0	-	-	-	-	-	-	45.6	229.3	210.0

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

		496,100 lb +		110,200 lb		36.1-62.3 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	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	
ft		1,000 lb														ft
36.1	579.8	828.9	553.4	745.2	-	-	-	-	-	-	-	-	-	-	36.1	
39.4	533.5	828.9	511.5	745.2	493.8	668.0	471.8	590.8	-	-	-	-	-	-	39.4	
42.7	496.0	828.9	476.2	745.2	459.7	668.0	439.8	590.8	421.1	522.5	403.4	460.8	42.7	42.7		
45.9	458.6	828.9	440.9	745.2	425.5	668.0	407.9	590.8	392.4	522.5	377.0	460.8	45.9	45.9		
52.5	401.2	828.9	385.8	745.2	372.6	668.0	359.4	590.8	346.1	522.5	330.7	460.8	52.5	52.5		
59.1	354.9	813.5	339.5	745.2	330.7	668.0	317.5	590.8	306.4	522.5	293.2	458.6	59.1	59.1		
65.6	315.3	809.1	304.2	731.9	295.4	668.0	284.4	590.8	273.4	522.5	262.4	458.6	65.6	65.6		
72.2	284.4	802.5	273.4	725.3	266.8	659.2	255.7	588.6	246.9	518.1	235.9	456.4	72.2	72.2		
78.7	257.9	765.0	246.9	718.7	240.3	652.6	231.5	582.0	222.7	513.7	213.8	449.7	78.7	78.7		
85.3	229.3	707.7	224.9	703.3	220.5	646.0	211.6	577.6	202.8	509.3	194.0	443.1	85.3	85.3		
91.9	206.1	657.0	202.8	652.6	201.7	632.7	192.9	571.0	185.2	504.9	177.5	438.7	91.9	91.9		
98.4	185.2	610.7	181.9	606.3	181.9	606.3	176.4	562.2	169.8	500.4	162.0	434.3	98.4	98.4		
111.5	153.6	535.7	151.0	531.3	151.0	531.3	147.0	512.9	144.0	474.7	137.1	419.6	111.5	111.5		
124.7	127.6	471.8	124.9	467.4	125.0	467.4	121.6	464.4	120.1	447.5	114.6	400.5	124.7	124.7		
137.8	107.1	418.9	103.6	414.5	103.8	414.5	100.3	410.1	97.9	407.9	94.8	385.8	137.8	137.8		
150.9	91.3	376.3	87.5	373.3	87.5	373.3	84.0	368.9	81.4	368.2	78.3	357.9	150.9	150.9		
164.0	77.3	338.8	73.3	336.6	73.3	336.6	69.7	332.9	67.0	332.2	63.9	328.5	164.0	164.0		
177.2	65.3	306.4	61.3	304.2	61.1	304.2	57.5	302.0	54.7	299.8	51.6	297.6	177.2	177.2		
190.3	56.1	281.5	51.9	277.8	51.7	279.3	48.0	275.6	45.1	274.8	41.9	272.6	190.3	190.3		
203.4	48.0	257.2	43.6	254.3	43.2	255.7	39.5	252.1	36.5	251.3	33.1	249.1	203.4	203.4		
216.5	40.8	233.7	36.4	233.7	35.7	233.7	32.0	231.5	28.9	229.3	25.4	227.1	216.5	216.5		
229.7	35.3	205.0	30.6	213.8	29.8	217.5	25.8	214.6	22.7	212.4	19.2	210.2	229.7	229.7		
242.8	-	-	25.3	191.4	24.5	200.3	20.3	199.2	17.0	196.9	13.3	194.4	242.8	242.8		
246.1	-	-	24.0	185.2	23.4	195.7	19.1	195.7	15.8	193.5	11.9	190.7	246.1	246.1		
255.9	-	-	-	-	19.8	181.9	15.4	185.2	11.9	183.0	-	179.7	255.9	255.9		
262.5	-	-	-	-	17.9	170.9	13.3	176.9	-	176.7	-	173.4	262.5	262.5		
269.0	-	-	-	-	-	-	11.2	168.7	-	170.5	-	167.2	269.0	269.0		
278.9	-	-	-	-	-	-	-	154.3	-	160.0	-	158.0	278.9	278.9		
282.2	-	-	-	-	-	-	-	-	-	155.8	-	155.1	282.2	282.2		
295.3	-	-	-	-	-	-	-	-	-	138.9	-	143.3	295.3	295.3		
308.4	-	-	-	-	-	-	-	-	-	-	-	127.9	308.4	308.4		
315.0	-	-	-	-	-	-	-	-	-	-	-	120.2	315.0	315.0		


 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		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	0lb- 716.6klb	0 lb	0lb- 716.6klb	0 lb	0lb- 716.6klb	0 lb	0lb- 716.6klb	0 lb	0lb- 716.6klb	0 lb	0lb- 716.6klb	0 lb	0lb- 716.6klb	
ft		1,000 lb														
23.0	1175.1	1433.0	1080.3	1433.0	-	-	-	-	-	-	-	-	-	-	-	23.0
26.2	994.3	1433.0	923.7	1433.0	859.8	1433.0	806.9	1433.0	-	-	-	-	-	-	-	26.2
29.5	859.8	1433.0	804.7	1433.0	756.2	1433.0	712.1	1433.0	670.2	1258.8	-	-	-	-	-	29.5
32.8	756.2	1433.0	712.1	1433.0	672.4	1433.0	637.1	1433.0	601.9	1258.8	573.2	1122.2	542.3	981.1	-	32.8
39.4	608.5	1433.0	577.6	1433.0	549.0	1426.4	522.5	1422.0	498.2	1258.8	476.2	1117.7	454.2	981.1	-	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	1100.1	385.8	981.1	-	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	1093.5	335.1	972.2	-	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	963.4	-	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	537.9	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	34.7	190.3	
193.6	-	-	-	-	-	-	-	-	-	39.2	253.5	34.7	261.6	34.7	193.6	
203.4	-	-	-	-	-	-	-	-	-	-	-	30.0	242.5	242.5	203.4	
210.0	-	-	-	-	-	-	-	-	-	-	-	27.1	229.3	229.3	210.0	

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		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	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	0 lb	0lb- 716.6kib	
ft		1,000 lb														ft
36.1	474.0	828.9	451.9	745.2	-	-	-	-	-	-	-	-	-	-	36.1	
39.4	434.3	828.9	414.5	745.2	399.0	668.0	381.4	590.8	-	-	-	-	-	-	39.4	
42.7	403.4	828.9	384.7	745.2	371.5	668.0	354.9	590.8	339.5	522.5	324.1	460.8	42.7	460.8		
45.9	372.6	828.9	354.9	745.2	343.9	668.0	328.5	590.8	315.3	522.5	302.0	460.8	45.9	460.8		
52.5	324.1	820.1	308.6	745.2	299.8	668.0	286.6	590.8	275.6	522.5	262.4	460.8	52.5	460.8		
59.1	284.4	813.5	273.4	736.3	264.6	668.0	253.5	590.8	242.5	522.5	231.5	458.6	59.1	458.6		
65.6	251.3	809.1	242.5	729.7	235.9	659.2	224.9	590.8	216.1	522.5	206.1	458.6	65.6	458.6		
72.2	224.9	802.5	216.1	725.3	210.5	652.6	201.7	588.6	192.9	518.1	184.1	456.4	72.2	456.4		
78.7	203.9	751.8	195.1	718.7	189.6	648.2	180.8	582.0	173.1	513.7	165.3	449.7	78.7	449.7		
85.3	183.0	692.3	176.4	687.8	172.0	643.8	164.2	577.6	156.5	507.1	148.8	443.1	85.3	443.1		
91.9	162.0	637.1	158.7	632.7	156.5	632.7	148.8	571.0	141.1	502.7	133.4	438.7	91.9	438.7		
98.4	144.4	590.8	142.2	586.4	142.2	586.4	134.5	555.6	127.9	500.4	121.3	434.3	98.4	434.3		
111.5	118.8	518.8	115.7	514.4	115.9	514.4	111.3	501.2	107.3	474.7	101.0	417.4	111.5	417.4		
124.7	96.7	456.4	93.1	451.9	93.3	451.9	90.2	448.3	87.5	443.1	82.5	400.5	124.7	400.5		
137.8	78.0	403.4	74.3	399.0	74.5	399.0	71.2	396.8	68.6	394.6	65.7	385.8	137.8	385.8		
150.9	64.7	360.8	60.9	356.4	61.0	356.4	57.5	354.2	54.9	352.0	51.9	347.6	150.9	347.6		
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	312.3		
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	280.0		
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	255.0		
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	230.8		
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	224.9		
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	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	211.6		
223.1	20.7	215.0	16.2	212.7	15.4	212.1	11.2	208.3	-	206.5	-	203.6	223.1	223.1		
229.7	18.5	205.0	13.8	205.0	12.9	203.7	-	200.6	-	198.0	-	195.5	229.7	195.5		
232.9	-	-	12.6	201.2	11.7	199.5	-	196.8	-	193.8	-	191.4	232.9	191.4		
236.2	-	-	11.5	197.3	-	196.2	-	192.9	-	189.6	-	187.4	236.2	187.4		
242.8	-	-	-	189.2	-	189.6	-	185.9	-	183.0	-	180.4	242.8	180.4		
246.1	-	-	-	185.2	-	186.3	-	182.4	-	179.7	-	176.9	246.1	176.9		
255.9	-	-	-	-	-	176.4	-	172.0	-	169.8	-	166.4	255.9	166.4		
262.5	-	-	-	-	-	169.8	-	166.4	-	163.9	-	160.6	262.5	160.6		
269.0	-	-	-	-	-	-	-	160.9	-	158.0	-	154.7	269.0	154.7		
278.9	-	-	-	-	-	-	-	152.1	-	149.7	-	146.2	278.9	146.2		
282.2	-	-	-	-	-	-	-	-	-	147.3	-	143.7	282.2	143.7		
295.3	-	-	-	-	-	-	-	-	-	137.8	-	133.4	295.3	133.4		
308.4	-	-	-	-	-	-	-	-	-	-	-	124.6	308.4	124.6		
315.0	-	-	-	-	-	-	-	-	-	-	-	120.2	315.0	120.2		

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		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		295.3 ft					
		LSL_2		LSL_1		LSL_2		LSL_1		LSL_2		LSL_1		LSL_2					
		0 lb - 716.6 klb	0 lb klb																
ft		1,000 lb								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	555.6	765.0	765.0	529.1	716.5	729.7	-	-	-	32.8			
36.1	576.5	765.0	547.8	765.0	521.4	765.0	511.5	765.0	765.0	487.2	716.5	729.7	465.2	597.5	661.4	445.3	551.2	608.5	36.1
39.4	520.3	765.0	496.0	765.0	474.0	765.0	467.4	765.0	765.0	445.3	716.5	729.7	429.9	597.5	661.4	412.3	551.2	608.5	39.4
45.9	440.9	765.0	421.1	765.0	403.4	765.0	401.2	765.0	765.0	383.6	716.5	729.7	372.6	597.5	661.4	357.1	546.7	606.3	45.9
52.5	381.4	765.0	366.0	765.0	350.5	765.0	348.3	765.0	765.0	335.1	712.1	723.1	326.3	595.2	659.2	313.1	546.7	604.1	52.5
59.1	332.9	765.0	321.9	765.0	308.6	765.0	308.6	765.0	765.0	295.4	709.9	723.1	288.8	582.0	643.8	277.8	533.5	588.6	59.1
65.6	288.8	765.0	284.4	765.0	273.4	765.0	275.6	765.0	765.0	264.6	709.9	723.1	257.9	575.4	639.3	246.9	520.3	575.4	65.6
72.2	251.3	765.0	249.1	765.0	244.7	765.0	246.9	743.0	756.2	238.1	707.7	716.5	233.7	571.0	637.1	222.7	511.5	566.6	72.2
78.7	220.5	765.0	219.4	765.0	215.0	762.8	222.7	718.7	731.9	216.1	679.0	690.0	211.6	557.8	623.9	202.8	500.4	555.6	78.7
85.3	197.3	712.1	194.0	707.7	190.7	703.3	197.3	696.7	703.3	194.0	652.6	661.4	192.9	537.9	599.7	185.2	485.0	537.9	85.3
91.9	177.5	659.2	174.2	654.8	170.9	650.4	177.5	657.0	650.4	173.1	626.1	634.9	175.3	518.1	575.4	169.8	465.2	518.1	91.9
98.4	159.8	612.9	157.6	608.5	153.2	604.1	159.8	610.7	604.1	155.4	601.9	599.7	157.6	498.2	553.4	155.4	447.5	498.2	98.4
111.5	134.8	540.9	131.9	536.5	127.5	532.0	133.4	538.7	532.0	129.7	531.3	527.6	131.2	457.1	506.3	129.0	412.3	457.1	111.5
124.7	114.0	476.9	110.6	472.5	106.3	468.1	111.6	474.0	468.9	108.2	468.9	464.4	109.4	418.9	458.6	107.1	377.0	416.7	124.7
137.8	97.2	421.1	93.7	416.7	89.5	412.3	94.6	416.7	414.5	90.8	414.5	410.1	92.4	383.6	410.1	89.7	341.7	377.0	137.8
150.9	85.2	365.2	81.5	375.5	76.9	371.1	81.9	375.5	371.8	77.6	371.8	368.9	79.1	351.3	367.4	76.2	313.8	344.7	150.9
160.8	76.7	324.1	73.1	344.7	68.2	342.5	73.2	346.9	342.8	68.5	342.5	340.2	70.0	328.1	338.0	66.9	293.6	321.1	160.8
164.0	-	-	70.8	334.4	65.8	334.4	70.7	338.8	335.1	66.0	334.4	332.2	67.5	321.1	330.0	64.4	287.3	313.8	164.0
177.2	-	-	61.5	293.2	56.2	302.0	60.8	306.4	304.2	56.0	302.0	299.8	57.3	293.2	297.6	54.2	262.4	284.4	177.2
190.3	-	-	-	-	48.8	272.1	53.4	281.5	279.3	48.4	277.0	274.8	49.5	266.8	272.6	46.3	240.3	256.5	190.3
193.6	-	-	-	-	47.0	264.6	51.5	275.2	273.0	46.4	270.8	268.6	47.6	260.1	266.4	44.3	234.8	249.5	193.6
203.4	-	-	-	-	-	-	46.6	259.0	256.8	41.6	255.0	252.8	42.5	241.4	248.4	39.2	219.4	230.8	203.4
210.0	-	-	-	-	-	-	43.7	249.1	246.9	38.7	245.4	243.2	39.5	229.3	236.6	36.0	209.4	219.0	210.0
216.5	-	-	-	-	-	-	-	-	35.7	235.9	233.7	36.4	218.3	224.9	32.8	199.5	209.4	216.5	
226.4	-	-	-	-	-	-	-	-	32.2	219.4	218.3	32.8	204.5	207.8	29.1	186.8	194.6	226.4	
229.7	-	-	-	-	-	-	-	-	-	-	-	31.7	199.9	202.1	27.9	183.4	189.6	229.7	
242.8	-	-	-	-	-	-	-	-	-	-	-	27.3	181.1	184.1	23.4	168.7	170.5	242.8	
246.1	-	-	-	-	-	-	-	-	-	-	-	26.2	176.4	180.8	22.4	164.8	165.9	246.1	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4	153.2	152.1	255.9	
262.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.6	145.5	147.7	262.5	

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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%			
		315.0 ft		324.8 ft		334.6 ft		344.5 ft									
		LSL_1	LSL_2	LSL_7		LSL_1	LSL_2	LSL_7	LSL_9	LSL_11	LSL_7	LSL_9	LSL_11				
		0 lb - 716.6 klb		0 lb		0 lb - 716.6 klb		0 lb - 716.6 klb		0 lb		0 lb - 716.6 klb					
		ft				1,000 lb								ft			
39.4	394.6	476.2	533.5	586.4	366.0	557.8	379.2	432.1	480.6	526.9	588.6	604.1	-	-	39.4		
42.7	369.3	474.0	531.3	586.4	340.6	557.8	353.8	432.1	478.4	526.9	588.6	601.9	324.1	500.4	562.2	577.6	42.7
45.9	343.9	471.8	529.1	586.4	315.3	557.8	328.5	432.1	476.2	526.9	588.6	599.7	302.0	500.4	562.2	575.4	45.9
52.5	302.0	467.4	529.1	586.4	275.6	557.8	288.8	432.1	476.2	526.9	588.6	597.5	262.4	500.4	562.2	573.2	52.5
59.1	266.8	458.6	529.1	586.4	242.5	557.8	257.9	432.1	476.2	526.9	584.2	593.0	231.5	500.4	557.8	568.8	59.1
65.6	240.3	449.7	529.1	582.0	216.1	555.6	229.3	429.9	476.2	526.9	582.0	586.4	206.1	500.4	553.4	564.4	65.6
72.2	217.2	440.9	529.1	573.2	192.9	544.5	208.3	427.7	476.2	515.9	579.8	582.0	184.1	491.6	553.4	560.0	72.2
78.7	196.2	432.1	529.1	571.0	173.1	540.1	188.5	427.7	474.0	507.1	568.8	573.2	165.3	478.4	542.3	555.6	78.7
85.3	178.6	423.3	529.1	571.0	156.5	537.9	172.0	425.5	474.0	504.9	562.2	566.6	148.8	476.2	533.5	549.0	85.3
91.9	164.2	407.9	515.9	568.8	141.1	537.9	156.5	423.3	474.0	502.7	553.4	555.6	134.5	471.8	526.9	540.1	91.9
98.4	151.0	394.6	509.3	546.7	129.0	522.5	143.3	418.9	471.8	493.8	535.7	540.1	121.3	467.4	509.3	524.7	98.4
111.5	126.0	365.2	474.7	499.7	108.0	488.7	122.0	400.5	459.3	460.8	499.0	507.8	101.3	435.8	474.0	489.4	111.5
124.7	104.9	335.8	448.3	449.7	88.0	446.1	102.5	375.5	438.0	427.7	463.0	469.6	82.5	406.4	439.5	454.9	124.7
137.8	87.5	306.4	405.7	396.8	69.2	394.6	84.9	363.8	401.2	392.4	427.7	425.5	64.8	377.0	405.7	421.1	137.8
150.9	73.9	281.5	363.0	354.2	55.7	352.0	71.1	346.9	358.6	351.3	383.6	381.4	51.3	344.7	374.8	378.5	150.9
164.0	61.9	257.9	325.5	316.7	43.9	315.3	59.0	326.3	321.9	314.5	343.9	342.5	39.5	312.3	341.7	340.2	164.0
177.2	51.6	235.9	293.2	284.4	33.7	284.4	48.7	295.4	291.0	282.2	308.6	308.6	29.3	280.0	306.4	306.4	177.2
190.3	43.7	217.5	268.2	259.4	25.9	257.9	40.6	270.4	264.6	257.2	282.2	280.7	21.4	255.0	280.0	278.5	190.3
203.4	36.5	199.2	246.2	237.4	18.9	235.2	33.4	247.7	241.8	234.4	258.7	256.5	14.2	232.4	256.5	254.3	203.4
213.3	31.8	186.1	231.9	223.0	14.1	220.8	28.7	232.2	227.4	219.0	243.2	241.0	9.3	217.2	241.0	238.8	213.3
216.5	30.2	181.9	227.1	218.3	12.6	216.1	27.1	227.1	222.7	213.8	238.1	235.9	-	211.6	235.9	233.7	216.5
223.1	27.6	174.2	218.6	210.0	9.9	207.2	24.5	219.4	214.6	205.5	229.3	226.5	-	203.6	226.5	222.7	223.1
229.7	25.1	166.4	210.2	201.7	-	199.5	21.8	211.6	206.5	197.5	220.5	217.2	-	195.5	217.2	215.0	229.7
242.8	20.4	151.8	195.1	187.0	-	184.8	17.1	196.9	191.1	182.6	204.3	202.1	-	180.4	201.7	199.9	242.8
255.9	16.3	140.0	181.9	173.1	-	170.9	13.0	183.0	177.5	168.7	189.6	187.4	-	166.4	186.3	185.2	255.9
269.0	13.1	127.5	170.1	161.3	-	159.1	9.3	170.9	165.7	157.6	177.1	174.9	-	150.3	171.6	172.7	269.0
278.9	10.8	119.0	162.0	153.2	-	150.7	-	163.0	157.4	148.3	167.6	166.1	-	138.2	160.0	162.8	278.9
282.2	-	-	-	-	-	148.3	-	160.6	155.1	144.4	164.2	163.5	-	134.1	155.8	159.1	282.2
288.7	-	-	-	-	-	143.3	-	155.8	150.3	136.7	157.6	158.4	-	126.0	147.3	151.8	288.7
295.3	-	-	-	-	-	-	-	151.0	145.5	129.0	151.0	153.2	-	121.3	140.0	144.4	295.3
305.1	-	-	-	-	-	-	-	-	-	-	-	-	-	110.2	131.2	131.2	305.1

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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%	
		354.3 ft				364.2 ft									
		LSL_1	LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13		
		0 lb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb		
ft	ft	1,000 lb												ft	ft
42.7	337.3	390.2	429.9	-	478.4	533.5	553.4	-	-	-	456.4	509.3	529.1	-	42.7
45.9	315.3	390.2	429.9	-	478.4	533.5	553.4	-	-	-	456.4	509.3	529.1	-	45.9
52.5	275.6	390.2	429.9	-	478.4	533.5	549.0	-	-	-	456.4	509.3	526.9	-	52.5
59.1	244.7	390.2	429.9	-	478.4	533.5	546.7	-	-	-	451.9	509.3	524.7	-	59.1
65.6	220.5	388.0	429.9	-	476.2	533.5	540.1	-	-	-	447.5	509.3	520.3	-	65.6
72.2	198.4	388.0	429.9	-	471.8	533.5	537.9	-	-	-	443.1	509.3	515.9	-	72.2
78.7	179.7	385.8	429.9	-	458.6	529.1	535.7	-	-	-	434.3	504.9	513.7	-	78.7
85.3	163.1	385.8	427.7	-	451.9	524.7	526.9	-	-	-	427.7	500.4	502.7	-	85.3
91.9	148.8	383.6	427.7	-	447.5	520.3	520.3	-	-	-	421.1	500.4	493.8	-	91.9
98.4	135.6	383.6	427.7	-	443.1	518.1	507.1	-	-	-	416.7	496.0	482.8	-	98.4
111.5	115.6	374.8	421.8	-	415.2	485.0	471.8	-	-	-	391.7	469.6	447.5	-	111.5
124.7	97.5	359.4	406.4	-	386.5	456.4	437.3	-	-	-	365.2	443.9	413.7	-	124.7
137.8	81.4	348.3	399.0	-	357.1	421.1	403.4	-	-	-	337.3	418.9	381.4	-	137.8
150.9	67.5	332.9	356.4	-	330.7	378.5	371.1	-	-	-	310.9	376.3	352.0	-	150.9
164.0	55.4	316.7	318.9	-	305.0	339.5	338.0	-	-	-	285.9	337.3	323.3	-	164.0
177.2	45.0	293.2	286.6	-	280.0	304.2	304.2	-	-	-	262.4	302.0	295.4	-	177.2
190.3	36.9	268.2	261.6	-	253.5	277.8	277.8	-	-	-	240.3	275.6	271.9	-	190.3
203.4	29.6	245.4	239.2	-	230.4	254.3	253.5	-	-	-	219.7	251.3	249.6	-	203.4
216.5	23.1	224.9	219.4	-	211.6	233.7	231.5	-	-	-	200.6	229.3	227.1	-	216.5
229.7	17.9	208.7	202.6	-	194.7	214.4	213.8	-	-	-	182.2	212.4	208.7	-	229.7
242.8	13.0	193.6	187.4	-	177.5	198.8	197.7	-	-	-	164.6	196.6	190.7	-	242.8
252.6	9.7	183.0	177.5	-	164.2	187.8	186.7	-	-	-	151.9	185.6	177.5	-	252.6
255.9	-	179.7	174.2	-	159.8	184.1	183.0	-	-	-	147.7	181.9	173.1	-	255.9
269.0	-	167.9	162.4	-	142.9	171.6	169.0	-	-	-	132.3	169.4	156.2	-	269.0
282.2	-	156.9	151.4	-	127.5	160.2	153.6	-	-	-	117.4	158.0	141.5	-	282.2
295.3	-	146.6	141.1	-	113.5	149.9	136.7	-	-	-	103.2	147.7	126.8	-	295.3
308.4	-	137.8	133.2	-	99.3	141.1	123.2	-	-	-	90.4	138.2	111.7	-	308.4
311.7	-	135.6	131.2	-	95.7	138.9	120.2	-	-	-	87.5	135.8	109.7	-	311.7
321.5	-	-	-	-	-	-	-	-	-	-	78.0	130.1	100.5	-	321.5



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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%	
		374.0 ft				383.9 ft									
		LSL_1	LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13		
		0 lb	0 lb - 716.6 klb				0 lb	0 lb - 716.6 klb							
ft	ft	1,000 lb												ft	ft
42.7	321.9	357.1	388.0	407.9	429.9	482.8	507.1	-	-	-	-	-	-	-	42.7
45.9	302.0	357.1	385.8	407.9	429.9	482.8	507.1	-	280.0	385.8	405.7	460.8	485.0	-	45.9
52.5	264.6	357.1	385.8	407.9	429.9	482.8	504.9	-	246.9	385.8	405.7	460.8	480.6	-	52.5
59.1	235.9	354.9	385.8	407.9	429.9	482.8	502.7	-	218.3	385.8	405.7	460.8	480.6	-	59.1
65.6	210.5	354.9	385.8	407.9	429.9	482.8	493.8	-	194.0	385.8	403.4	460.8	471.8	-	65.6
72.2	189.6	352.7	385.8	407.9	429.9	482.8	491.6	-	173.1	385.8	403.4	458.6	465.2	-	72.2
78.7	170.9	352.7	385.8	405.7	427.7	478.4	489.4	-	155.4	383.6	403.4	456.4	463.0	-	78.7
85.3	155.4	350.5	385.8	405.7	423.3	478.4	480.6	-	140.0	383.6	401.2	456.4	456.4	-	85.3
91.9	141.1	350.5	383.6	403.4	423.3	471.8	469.6	-	126.8	381.4	401.2	451.9	445.3	-	91.9
98.4	129.0	350.5	383.6	394.6	421.1	465.2	458.6	-	114.6	379.2	399.0	449.7	434.3	-	98.4
111.5	109.4	343.2	380.7	379.9	406.4	439.5	426.2	-	95.2	367.4	387.3	429.9	403.4	-	111.5
124.7	92.2	331.4	374.1	366.0	391.7	413.7	393.9	-	78.3	354.2	372.6	410.8	372.6	-	124.7
137.8	77.2	321.9	368.2	357.1	377.0	390.2	361.6	-	63.7	343.9	359.4	392.4	341.7	-	137.8
150.9	63.3	310.1	343.9	338.0	341.7	363.8	333.6	-	51.2	332.9	334.4	364.5	313.8	-	150.9
164.0	51.2	296.9	316.7	314.5	307.9	335.8	306.4	-	39.8	312.3	305.7	333.6	287.3	-	164.0
177.2	40.8	286.6	284.4	282.2	275.6	302.0	280.0	-	29.5	280.0	273.4	299.8	262.4	-	177.2
190.3	32.7	263.1	259.4	257.2	250.6	274.1	256.5	-	21.5	255.0	248.4	271.9	238.8	-	190.3
203.4	25.4	241.0	237.0	234.4	227.1	249.6	234.8	-	14.2	232.4	226.4	247.7	217.2	-	203.4
213.3	20.6	225.6	222.1	219.0	213.0	233.7	219.9	-	9.3	217.2	211.2	232.2	203.1	-	213.3
216.5	19.0	220.5	217.2	213.8	208.3	229.3	215.0	-	-	211.6	206.1	227.1	198.4	-	216.5
229.7	13.7	204.3	199.9	196.9	192.2	211.6	196.6	-	-	195.5	190.0	209.4	180.8	-	229.7
239.5	9.7	192.9	188.3	185.2	180.6	199.2	183.4	-	-	183.9	178.4	196.9	168.1	-	239.5
242.8	-	189.4	184.8	181.9	177.1	195.5	179.3	-	-	180.4	174.9	193.3	164.2	-	242.8
255.9	-	175.3	170.9	168.7	163.1	180.8	163.1	-	-	166.4	160.9	178.6	148.8	-	255.9
269.0	-	163.5	159.1	156.9	151.4	168.3	147.7	-	-	154.7	149.2	166.1	134.1	-	269.0
282.2	-	152.9	148.4	145.9	140.4	156.5	132.6	-	-	143.7	137.8	154.3	120.2	-	282.2
295.3	-	143.3	138.9	135.6	130.1	145.5	119.0	-	-	133.4	126.8	143.3	107.1	-	295.3
308.4	-	134.5	130.1	126.8	120.6	136.7	106.1	-	-	124.6	117.2	134.5	94.2	-	308.4
321.5	-	126.1	121.7	119.0	111.8	128.1	93.1	-	-	117.3	108.4	126.0	81.6	-	321.5
331.4	-	120.2	115.7	113.5	105.8	122.4	83.3	-	-	111.3	102.3	120.0	73.6	-	331.4
334.6	-	-	-	-	-	-	-	-	-	109.3	100.3	117.9	71.0	-	334.6
337.9	-	-	-	-	-	-	-	-	-	107.6	98.3	115.7	68.1	-	337.9

 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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%	
		393.7 ft				403.5 ft									
		LSL_1	LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13		
		0 lb	0 lb	0 lb	0 lb	716.6 klb	0 lb	0 lb	0 lb	0 lb	716.6 klb	0 lb	0 lb		
ft	ft	1,000 lb												ft	ft
45.9	291.0	304.2	337.3	352.7	388.0	438.7	454.2	471.8	271.2	337.3	366.0	418.9	434.3	449.7	45.9
52.5	255.7	302.0	335.1	352.7	388.0	438.7	454.2	471.8	238.1	337.3	366.0	418.9	434.3	449.7	52.5
59.1	227.1	302.0	335.1	352.7	388.0	438.7	454.2	471.8	210.5	337.3	366.0	418.9	434.3	449.7	59.1
65.6	203.9	302.0	335.1	352.7	388.0	438.7	454.2	469.6	187.4	335.1	366.0	418.9	434.3	449.7	65.6
72.2	183.0	299.8	332.9	352.7	388.0	436.5	451.9	467.4	167.6	335.1	366.0	416.7	432.1	447.5	72.2
78.7	165.3	297.6	332.9	352.7	385.8	434.3	449.7	465.2	149.9	335.1	363.8	416.7	429.9	443.1	78.7
85.3	149.9	297.6	332.9	350.5	383.6	434.3	449.7	465.2	134.5	332.9	361.6	414.5	429.9	443.1	85.3
91.9	135.6	295.4	332.9	348.3	381.4	432.1	445.3	456.4	121.3	330.7	361.6	412.3	425.5	436.5	91.9
98.4	124.6	295.4	330.7	346.1	379.2	429.9	443.1	449.7	110.0	330.7	359.4	410.1	423.3	432.1	98.4
111.5	105.0	291.0	327.8	338.8	371.1	414.5	427.0	425.5	91.1	326.3	352.7	399.0	410.1	410.1	111.5
124.7	88.0	285.9	324.8	326.3	360.1	399.0	410.8	395.4	74.5	315.3	342.5	382.9	396.1	383.6	124.7
137.8	73.4	280.0	321.9	317.5	346.1	383.6	394.6	366.0	60.4	306.4	330.7	368.2	381.4	350.5	137.8
150.9	61.5	272.6	310.9	306.4	330.0	361.6	363.8	336.6	48.6	299.1	320.4	351.3	357.9	322.6	150.9
164.0	50.3	261.6	299.8	293.2	305.7	332.9	331.4	305.7	37.6	288.1	300.6	327.8	329.2	293.9	164.0
177.2	39.9	255.7	282.2	280.0	273.4	297.6	297.6	277.8	27.3	277.8	271.2	295.4	295.4	264.6	177.2
190.3	31.7	247.7	257.2	255.0	248.4	271.2	271.2	251.3	19.3	252.8	244.7	269.0	269.0	238.1	190.3
203.4	24.3	236.6	234.8	232.4	225.6	246.2	244.7	226.0	11.8	230.0	223.4	243.8	244.7	213.8	203.4
206.7	22.7	232.6	229.8	227.3	220.5	240.3	239.8	220.5	10.1	224.9	218.3	238.5	239.2	208.3	206.7
216.5	17.9	220.5	215.0	211.6	205.0	224.9	224.9	203.9	-	210.5	202.8	222.7	222.7	191.8	216.5
229.7	12.4	203.6	198.0	195.5	188.1	208.0	207.2	183.4	-	193.6	185.9	205.8	205.0	172.0	229.7
236.2	9.7	195.1	189.6	187.4	179.7	199.5	198.4	173.1	-	185.2	177.5	197.3	196.2	162.0	236.2
242.8	-	188.1	182.6	180.4	172.7	192.2	191.1	164.6	-	178.2	170.5	190.0	188.9	153.6	242.8
255.9	-	174.2	168.7	166.4	158.7	177.5	176.4	147.7	-	164.2	156.5	175.3	174.2	136.7	255.9
269.0	-	162.4	156.9	154.7	147.7	165.0	163.9	133.7	-	152.5	144.8	162.8	161.7	123.5	269.0
282.2	-	151.8	146.2	143.7	136.3	153.2	152.1	121.6	-	141.5	133.4	151.0	149.7	111.3	282.2
295.3	-	142.2	136.7	133.4	124.6	142.2	141.1	111.3	-	131.2	122.4	140.0	138.9	100.8	295.3
308.4	-	133.4	127.9	124.6	115.0	133.4	132.3	104.4	-	122.9	112.7	131.2	129.3	93.0	308.4
321.5	-	124.9	119.0	116.6	106.0	124.9	123.8	98.9	-	115.1	103.5	122.4	120.5	86.5	321.5
334.6	-	116.8	112.4	109.6	97.4	116.8	115.7	94.8	-	107.1	94.8	113.5	112.4	81.4	334.6
347.8	-	110.2	105.6	102.5	90.2	109.6	108.2	93.3	-	99.6	87.5	106.3	105.2	79.1	347.8
354.3	-	-	-	-	-	-	-	-	-	95.9	83.8	102.7	101.6	78.0	354.3

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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%	
		413.4 ft				423.2 ft									
		LSL_1	LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13		
		0 lb	0 lb - 716.6 klb				0 lb	0 lb - 716.6 klb				0 lb	0 lb - 716.6 klb		
ft	ft	1,000 lb												ft	ft
45.9	255.7	262.4	293.2	321.9	343.9	394.6	412.3	429.9	-	-	-	-	-	-	45.9
49.2	251.3	261.2	292.1	321.9	343.9	394.6	412.3	429.9	240.3	302.0	326.3	377.0	392.4	410.1	49.2
52.5	246.9	260.1	291.0	321.9	343.9	394.6	412.3	429.9	224.9	302.0	326.3	377.0	392.4	410.1	52.5
59.1	220.5	260.1	291.0	321.9	343.9	392.4	412.3	429.9	199.5	302.0	324.1	374.8	392.4	410.1	59.1
65.6	197.3	260.1	291.0	319.7	343.9	392.4	412.3	429.9	177.5	299.8	324.1	374.8	392.4	410.1	65.6
72.2	177.5	257.9	291.0	319.7	343.9	390.2	412.3	427.7	157.6	299.8	324.1	372.6	392.4	407.9	72.2
78.7	159.8	255.7	288.8	319.7	343.9	388.0	410.1	427.7	141.1	299.8	324.1	370.4	390.2	407.9	78.7
85.3	145.5	253.5	286.6	317.5	341.7	385.8	407.9	423.3	126.8	297.6	321.9	370.4	388.0	403.4	85.3
91.9	132.3	251.3	286.6	317.5	339.5	385.8	407.9	418.9	113.5	297.6	319.7	368.2	388.0	403.4	91.9
98.4	120.2	251.3	286.6	315.3	337.3	381.4	403.4	416.7	102.7	295.4	319.7	366.0	383.6	399.0	98.4
111.5	101.5	247.7	283.7	312.3	334.4	374.1	393.9	400.5	84.1	293.9	315.3	360.1	377.0	387.3	111.5
124.7	85.1	244.0	280.0	306.4	324.8	363.8	378.5	382.1	67.8	289.5	307.9	350.5	363.0	374.8	124.7
137.8	71.0	238.1	275.6	297.6	313.1	350.5	363.8	361.6	54.0	282.2	297.6	337.3	348.3	357.1	137.8
150.9	59.8	233.7	271.2	288.8	304.2	336.6	343.2	336.6	43.1	274.8	286.6	323.3	329.2	335.1	150.9
164.0	49.0	227.8	262.4	280.7	290.3	318.9	321.1	314.5	33.2	268.2	276.3	309.4	311.6	313.8	164.0
177.2	38.6	220.5	257.9	273.4	271.2	295.4	293.2	291.0	24.3	262.4	264.6	293.2	291.0	288.8	177.2
190.3	30.4	213.8	247.7	249.9	244.7	267.5	266.8	264.6	16.2	246.2	241.0	265.0	262.4	262.4	190.3
200.1	24.6	209.1	239.8	233.0	226.7	248.4	248.0	246.0	10.4	231.5	224.5	246.2	246.0	243.8	200.1
203.4	23.0	207.6	234.8	227.8	221.9	243.2	242.5	240.7	-	226.6	219.7	241.0	240.7	238.5	203.4
216.5	16.5	201.7	215.0	209.4	202.8	222.7	220.5	219.4	-	207.2	200.6	220.5	219.4	217.2	216.5
229.7	11.1	196.2	198.0	192.5	185.9	205.0	203.6	198.8	-	190.3	183.0	202.1	201.0	199.5	229.7
232.9	9.7	195.1	193.8	188.3	181.7	200.6	199.3	193.6	-	186.1	178.6	197.5	196.4	195.1	232.9
242.8	-	187.0	182.6	177.1	170.1	188.5	187.4	178.9	-	174.9	166.4	185.6	184.5	181.9	242.8
255.9	-	173.1	168.7	163.1	155.4	173.1	172.0	159.8	-	160.9	151.0	170.9	169.8	164.2	255.9
269.0	-	161.3	156.9	151.4	142.9	160.6	159.5	143.7	-	149.2	138.9	155.4	155.1	146.6	269.0
282.2	-	150.3	145.9	140.4	130.8	149.0	147.7	127.9	-	138.0	126.8	141.1	141.1	130.8	282.2
295.3	-	140.0	135.6	130.1	119.0	138.9	137.8	115.7	-	127.9	115.7	127.9	127.9	116.8	295.3
308.4	-	131.2	126.8	120.6	109.6	127.1	127.5	106.3	-	117.6	106.3	116.8	116.8	105.8	308.4
321.5	-	123.1	119.0	111.6	100.6	116.8	117.8	98.4	-	108.2	97.3	106.6	106.9	96.6	321.5
334.6	-	115.7	111.3	103.2	91.9	107.8	108.7	91.9	-	99.9	88.6	97.2	98.1	89.1	334.6
347.8	-	106.4	104.7	95.5	84.2	100.3	101.5	88.8	-	92.2	81.0	89.4	90.5	84.8	347.8
360.9	-	94.1	95.4	88.5	77.3	93.5	94.9	86.9	-	85.1	73.9	82.4	83.4	81.6	360.9
364.2	-	91.1	92.4	86.9	75.6	91.9	93.5	86.6	-	83.5	72.3	80.8	81.8	81.5	364.2
374.0	-	-	-	-	-	-	-	-	-	78.7	67.5	76.1	77.6	81.1	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		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%							
		433.1 ft								442.9 ft											
		LSL_1		LSL_2		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15					
		0 lb		0 lb - 716.6 klb				0 lb		0 lb - 716.6 klb											
ft	ft	1,000 lb												ft	ft						
49.2	217.2	222.7	253.5	280.0	304.2	343.9	359.4	394.6	418.9	231.5	266.8	286.6	326.3	341.7	374.8	399.0					
52.5	216.1	222.7	253.5	280.0	304.2	343.9	359.4	394.6	418.9	218.3	266.8	286.6	326.3	341.7	374.8	399.0					
59.1	212.7	220.5	253.5	280.0	302.0	343.9	359.4	392.4	418.9	191.8	266.8	286.6	326.3	341.7	374.8	399.0					
65.6	190.7	220.5	251.3	280.0	302.0	343.9	359.4	390.2	418.9	170.9	266.8	286.6	326.3	341.7	374.8	399.0					
72.2	172.0	219.4	251.3	280.0	302.0	343.9	357.1	390.2	418.9	152.1	264.6	284.4	326.3	339.5	372.6	399.0					
78.7	154.3	217.2	249.1	277.8	302.0	341.7	357.1	388.0	418.9	135.6	264.6	284.4	324.1	339.5	370.4	399.0					
85.3	140.0	216.1	249.1	277.8	299.8	341.7	354.9	385.8	418.9	121.3	264.6	284.4	324.1	337.3	368.2	399.0					
91.9	127.9	213.8	246.9	275.6	299.8	339.5	354.9	385.8	418.9	109.3	262.4	282.2	324.1	337.3	368.2	399.0					
98.4	115.7	211.6	246.9	275.6	297.6	337.3	350.5	383.6	416.7	98.3	260.1	282.2	321.9	335.1	366.0	395.7					
111.5	97.5	209.4	245.4	272.6	294.7	330.0	343.2	377.0	410.1	80.1	258.7	279.3	317.5	330.7	362.3	390.2					
124.7	81.4	205.8	242.5	267.5	289.5	318.2	327.8	364.5	393.5	64.2	255.0	274.8	308.6	318.2	349.8	379.2					
137.8	67.5	200.6	238.1	260.1	282.2	308.6	317.5	343.9	366.0	50.5	249.1	269.0	295.4	306.4	330.7	355.7					
150.9	56.6	195.8	233.7	254.3	274.8	297.6	306.4	321.9	335.1	39.8	243.2	261.6	286.6	295.4	310.1	326.3					
164.0	46.8	191.8	229.3	246.9	268.2	285.9	293.2	298.4	307.2	30.1	238.1	255.0	277.0	285.1	288.1	164.0					
177.2	38.1	187.4	224.9	242.5	262.4	277.8	284.4	277.8	280.0	21.6	233.7	249.1	271.2	277.8	264.6	177.2					
190.3	30.1	181.1	218.3	233.7	244.7	261.6	265.0	257.2	253.5	13.8	229.3	240.3	260.6	264.6	244.3	190.3					
196.9	26.0	178.6	216.1	231.5	233.7	253.5	253.5	246.9	242.5	9.9	227.1	229.3	251.3	251.3	233.7	238.5					
203.4	22.7	174.2	211.0	224.9	223.8	243.2	242.5	235.2	231.5	-	219.7	220.1	241.0	240.7	222.7	227.8					
216.5	16.1	169.8	207.2	207.2	203.9	222.7	220.5	211.6	211.3	-	205.0	201.7	220.5	219.4	200.6	207.6					
229.7	10.6	164.6	194.0	190.3	187.0	204.3	203.6	190.3	192.9	-	188.9	184.8	202.1	201.7	180.0	188.5					
232.9	9.3	162.8	190.7	186.1	182.8	199.7	199.3	185.0	188.7	-	184.8	180.6	197.5	197.3	175.1	184.3					
242.8	-	158.7	180.4	174.9	171.6	187.8	187.4	170.1	176.0	-	173.8	169.4	185.6	185.2	161.7	171.6					
255.9	-	154.3	166.4	160.9	157.6	173.1	172.0	151.0	160.6	-	159.8	155.4	170.9	169.8	143.3	155.8					
269.0	-	148.8	154.7	149.2	145.1	160.6	159.5	135.1	146.6	-	148.1	142.2	158.4	157.3	126.4	142.2					
282.2	-	141.5	143.7	138.5	134.0	148.8	148.1	120.2	135.4	-	136.3	130.1	146.6	145.9	112.4	131.2					
295.3	-	131.2	133.4	129.0	123.5	137.8	137.8	106.9	124.6	-	125.7	119.0	135.6	134.5	99.0	120.5					
308.4	-	120.9	124.6	119.4	113.6	128.2	127.5	95.9	113.5	-	115.4	109.9	126.0	124.9	87.8	110.2					
321.5	-	111.1	117.3	110.2	104.3	119.0	118.2	86.1	104.4	-	106.2	101.0	116.5	115.6	77.8	100.7					
334.6	-	101.6	109.3	101.4	95.5	110.2	110.0	77.6	95.6	-	98.1	92.4	106.9	106.5	69.0	91.6					
347.8	-	91.3	102.3	93.6	87.8	102.0	101.8	71.7	87.3	-	90.3	84.4	98.7	98.1	62.2	83.3					
360.9	-	81.1	92.4	86.3	80.6	94.4	94.1	67.1	80.0	-	82.9	77.3	90.8	90.2	57.2	76.0					
374.0	-	71.2	79.8	79.6	73.9	87.3	87.1	63.7	73.1	-	76.3	70.5	83.8	83.3	53.1	69.0					
380.6	-	65.9	72.5	76.5	70.8	84.4	84.0	63.1	69.9	-	73.3	67.5	80.7	80.2	52.2	65.8					
387.1	-	-	-	-	-	-	-	-	-	-	70.3	64.6	77.6	77.2	51.2	62.6					
390.4	-	-	-	-	-	-	-	-	-	-	68.8	63.1	76.1	75.6	50.7	61.3					

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

LSL_15: 496,100 lb + 110,200 lb

		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%							
		452.8 ft				462.6 ft															
		LSL_1		LSL_2		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15					
		0 lb		0 lb - 716.6 klb				0 lb		0 lb - 716.6 klb											
ft	ft	1,000 lb														ft					
49.2	186.3	192.9	217.2	257.9	271.2	308.6	321.9	357.1	377.0	-	-	-	-	-	-	49.2					
52.5	186.3	191.8	217.2	257.9	271.2	308.6	321.9	357.1	377.0	206.1	244.7	255.7	288.8	306.4	337.3	359.4					
59.1	185.2	190.7	216.1	257.9	269.0	308.6	321.9	357.1	377.0	180.8	244.7	255.7	286.6	306.4	337.3	359.4					
65.6	183.0	189.6	215.0	257.9	269.0	306.4	321.9	357.1	377.0	159.8	244.7	255.7	286.6	306.4	337.3	359.4					
72.2	166.4	187.4	213.8	257.9	269.0	306.4	321.9	357.1	377.0	142.2	242.5	253.5	286.6	306.4	337.3	359.4					
78.7	149.9	186.3	212.7	255.7	269.0	304.2	319.7	354.9	377.0	126.8	242.5	253.5	284.4	304.2	337.3	357.1					
85.3	135.6	184.1	211.6	255.7	266.8	302.0	319.7	354.9	377.0	112.4	242.5	253.5	284.4	304.2	337.3	357.1					
91.9	123.5	181.9	209.4	253.5	266.8	299.8	319.7	352.7	377.0	100.8	240.3	251.3	284.4	304.2	335.1	357.1					
98.4	112.4	180.8	208.3	253.5	264.6	297.6	317.5	352.7	374.8	89.9	240.3	251.3	284.4	302.0	335.1	356.0					
111.5	94.4	177.8	206.1	250.6	263.1	291.7	313.1	339.5	370.4	72.0	237.4	248.4	281.5	296.9	324.8	351.6					
124.7	78.5	175.3	203.2	246.9	259.4	282.2	303.5	323.3	360.5	56.4	234.4	244.7	276.3	288.8	310.1	343.9					
137.8	64.8	170.9	199.5	242.5	253.5	273.4	293.2	304.2	341.7	43.0	231.5	240.3	269.0	280.0	295.4	330.0					
150.9	54.1	167.2	195.8	236.6	247.7	262.4	283.7	282.2	319.7	32.4	225.6	234.4	263.1	269.7	273.4	310.9					
164.0	44.5	163.1	192.2	230.8	241.8	252.1	274.1	259.7	293.2	22.9	220.5	229.3	257.2	263.1	252.1	285.9					
177.2	35.9	158.7	189.6	224.9	235.9	242.5	266.8	235.9	268.5	14.6	216.1	224.9	251.3	255.7	231.5	262.4					
187.0	30.6	156.5	186.8	221.6	231.5	235.9	262.4	219.9	251.3	9.3	212.7	220.9	245.3	247.5	215.5	245.8					
190.3	28.9	155.8	185.9	220.5	229.3	233.7	257.9	214.6	244.7	-	211.6	220.0	243.6	245.8	210.2	240.3					
203.4	22.1	152.1	181.3	213.1	216.1	223.0	238.8	194.4	224.9	-	204.7	209.8	231.5	233.3	189.2	219.7					
216.5	15.7	147.7	177.5	200.6	198.4	215.0	218.3	175.3	205.4	-	195.1	192.9	213.8	215.0	168.7	200.3					
229.7	9.9	143.9	171.6	185.2	182.2	199.5	199.9	156.2	186.3	-	180.4	177.5	197.7	197.3	150.3	181.9					
242.8	-	138.2	166.1	168.7	166.8	184.5	183.4	137.8	170.1	-	165.3	162.8	181.9	181.1	132.5	165.7					
255.9	-	134.5	163.1	151.0	152.1	169.8	168.7	121.3	154.7	-	149.9	148.8	166.4	166.4	115.7	150.3					
269.0	-	129.7	153.6	133.4	138.9	157.3	156.2	106.7	141.1	-	132.3	135.6	154.1	153.2	101.5	136.7					
282.2	-	124.9	144.0	116.4	127.9	145.1	144.4	93.3	127.1	-	115.6	123.5	142.2	141.8	88.0	124.9					
295.3	-	119.0	134.5	101.6	116.8	134.5	133.4	81.1	114.5	-	99.9	112.4	131.2	130.1	75.6	114.3					
308.4	-	110.7	124.8	90.3	107.3	124.2	123.1	70.7	103.2	-	88.7	103.5	120.2	119.8	65.2	104.7					
321.5	-	102.1	116.4	79.7	98.2	114.5	113.4	61.3	93.2	-	78.1	94.6	110.2	110.0	55.6	94.7					
334.6	-	93.3	106.7	69.7	89.5	105.4	104.3	52.9	83.8	-	68.1	86.0	101.4	100.8	47.2	85.0					
347.8	-	84.7	93.6	61.1	81.7	97.0	95.9	46.4	75.2	-	59.5	78.3	92.9	92.2	40.3	75.8					
360.9	-	77.3	80.9	53.3	74.4	88.8	88.0	41.2	67.7	-	51.3	71.1	85.2	84.5	34.3	67.7					
374.0	-	68.8	68.6	46.1	67.7	81.8	80.9	36.6	60.9	-	44.1	64.4	77.8	77.2	29.3	60.6					
387.1	-	60.1	55.3	40.3	61.6	75.3	74.7	33.8	54.9	-	37.8	58.3	71.5	70.8	26.1	54.0					
397.0	-	53.6	46.3	36.2	57.3	70.5	70.1	32.2	51.1	-	33.6	54.0	66.8	66.3	24.1	50.0					
400.3	-	-	-	-	-	-	-	-	-	-	32.3	52.7	65.5	64.9	23.7	48.7					
406.8	-	-	-	-	-	-	-	-	-	-	29.8	50.0	62.8	62.2	22.9	400.3					
		0 lb		143,300 lb		275,600 lb		363,800 lb		452,000 lb		540,200 lb		628,400 lb		716,600 lb					

LSL_15:  496,100 lb +  110,200 lb

		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%							
		472.4 ft								482.3 ft											
		LSL_1		LSL_2		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15					
		0 lb		0 lb - 716.6 klb				0 lb		0 lb - 716.6 klb											
ft	ft	1,000 lb												ft	ft						
52.5	160.9	166.4	189.6	224.9	233.7	277.8	293.2	313.1	343.9	198.4	213.8	222.7	264.6	277.8	297.6	326.3	52.5				
59.1	159.8	165.3	188.5	224.9	233.7	275.6	293.2	313.1	343.9	174.2	212.7	220.5	262.4	277.8	297.6	326.3	59.1				
65.6	158.7	163.1	187.4	222.7	231.5	275.6	293.2	310.9	343.9	154.3	211.6	220.5	262.4	277.8	297.6	326.3	65.6				
72.2	156.5	162.0	186.3	222.7	231.5	275.6	291.0	310.9	343.9	136.7	211.6	220.5	262.4	277.8	297.6	326.3	72.2				
78.7	144.4	159.8	185.2	222.7	231.5	273.4	291.0	308.6	343.9	121.3	210.5	220.5	262.4	275.6	297.6	326.3	78.7				
85.3	130.1	157.6	183.0	222.7	231.5	273.4	288.8	308.6	341.7	108.0	210.5	219.4	260.1	275.6	295.4	324.1	85.3				
91.9	117.9	156.5	181.9	220.5	229.3	273.4	286.6	306.4	339.5	96.1	210.5	218.3	260.1	273.4	293.2	321.9	91.9				
98.4	107.8	154.3	179.7	220.5	227.1	273.4	286.6	304.2	338.4	85.5	209.4	217.2	260.1	273.4	291.0	320.8	98.4				
111.5	90.0	150.6	177.1	218.3	224.1	269.0	280.7	298.4	335.1	68.0	207.2	214.2	257.2	269.0	286.6	317.5	111.5				
124.7	74.4	147.3	174.9	215.7	221.2	264.6	269.7	289.5	328.5	52.8	205.0	211.6	252.8	263.1	277.8	312.0	124.7				
137.8	60.8	144.4	172.0	212.7	218.3	260.1	262.4	280.0	317.5	39.7	202.8	209.4	246.9	255.7	269.0	302.8	137.8				
150.9	50.4	140.7	168.3	208.3	210.9	254.3	252.8	269.7	304.2	29.2	198.4	205.0	241.0	246.2	259.4	291.0	150.9				
164.0	40.9	136.7	164.6	203.9	203.2	248.4	242.5	257.9	280.7	19.9	194.4	198.4	235.9	238.1	246.9	270.4	164.0				
177.2	32.4	132.3	160.9	199.5	197.3	242.5	233.7	249.1	257.2	11.7	190.7	194.0	231.5	231.5	240.3	249.1	177.2				
180.4	30.7	131.4	160.0	198.4	196.2	240.3	231.5	244.7	251.3	9.9	189.8	191.3	230.0	228.9	236.3	244.2	180.4				
190.3	25.5	128.6	157.3	195.7	190.3	235.9	224.9	238.1	235.9	-	187.0	186.7	225.6	223.4	229.3	229.3	190.3				
203.4	19.1	124.9	153.2	190.0	184.1	226.0	216.8	226.3	216.1	-	183.4	180.4	216.8	215.7	219.0	210.2	203.4				
216.5	13.2	121.3	149.9	186.3	177.5	210.5	209.4	211.6	197.3	-	179.7	175.3	205.0	206.1	207.2	192.2	216.5				
226.4	8.8	118.5	145.5	178.0	173.6	198.4	198.4	199.0	184.1	-	172.5	171.4	193.5	194.6	194.6	179.5	226.4				
229.7	-	117.6	144.8	175.3	172.3	194.4	194.7	194.7	179.7	-	170.1	170.1	189.6	190.7	190.3	175.3	229.7				
242.8	-	113.9	140.7	163.9	163.9	178.9	180.0	178.6	163.5	-	159.5	160.9	174.9	175.6	174.5	159.4	242.8				
255.9	-	110.2	136.7	152.1	152.1	164.2	165.3	163.1	148.8	-	147.7	147.7	160.9	160.9	159.8	144.4	255.9				
269.0	-	106.6	133.7	139.8	139.8	151.9	152.1	150.5	135.6	-	136.0	136.0	147.0	147.7	146.6	131.2	269.0				
282.2	-	103.0	128.6	129.0	129.0	140.0	140.0	138.9	123.8	-	124.2	124.6	135.6	135.6	134.5	119.4	282.2				
295.3	-	99.0	125.7	117.9	117.9	129.0	129.0	127.9	113.0	-	112.4	113.5	124.6	124.6	123.5	108.4	295.3				
308.4	-	92.5	115.7	105.3	108.2	117.9	118.7	117.6	103.0	-	100.7	104.4	114.9	114.9	113.6	98.5	308.4				
321.5	-	84.8	104.8	92.7	99.2	108.1	108.9	107.7	93.8	-	88.8	95.7	105.4	105.3	103.4	89.6	321.5				
334.6	-	77.2	94.8	80.2	90.8	99.4	99.6	98.3	85.2	-	76.9	87.5	96.1	95.9	93.0	81.1	334.6				
347.8	-	70.0	83.9	69.2	82.2	91.0	91.0	89.8	76.9	-	66.5	79.9	87.7	87.5	83.5	73.0	347.8				
360.9	-	62.9	72.8	59.4	71.9	83.2	82.4	82.0	69.4	-	56.9	71.0	79.9	79.7	74.6	65.5	360.9				
374.0	-	55.1	62.8	50.7	60.6	75.8	73.4	74.5	62.4	-	48.1	60.8	72.5	72.3	66.4	58.4	374.0				
387.1	-	47.5	51.4	43.4	51.6	69.3	65.3	67.9	55.8	-	40.6	51.6	65.9	64.1	59.3	51.8	387.1				
400.3	-	39.8	40.5	36.7	44.6	63.4	58.2	62.1	50.0	-	33.8	43.5	59.8	56.2	52.8	45.9	400.3				
413.4	-	32.4	29.5	31.3	38.6	58.0	52.0	56.7	44.5	-	27.8	37.0	54.2	49.2	47.0	40.4	413.4				
416.7	-	30.4	26.7	30.2	37.5	56.7	50.7	55.3	43.2	-	26.5	35.6	53.0	47.8	45.7	39.2	416.7				
423.2	-	-	-	-	-	-	-	-	-	-	24.0	32.8	50.5	45.0	43.4	36.6	423.2				

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

LSL_15: 496,100 lb + 110,200 lb

		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%						
		492.1 ft						502.0 ft												
		LSL_5			LSL_7			LSL_9			LSL_11			LSL_13						
		LSL_15			LSL_5			LSL_7			LSL_9			LSL_11						
		0 lb			0 lb -716.6 klb			0 lb			0 lb -716.6 klb									
ft		1,000 lb												ft						
52.5	191.8	199.5	210.5	249.1	262.4	284.4	310.9	-	-	-	-	-	-	-	52.5					
55.8	182.4	199.0	210.5	249.1	262.4	284.4	310.9	179.7	189.6	199.5	238.1	249.1	269.0	293.2	55.8					
59.1	174.2	198.4	210.5	249.1	262.4	284.4	310.9	169.8	189.6	199.5	238.1	249.1	269.0	293.2	59.1					
65.6	154.3	198.4	209.4	249.1	262.4	282.2	310.9	149.9	188.5	198.4	235.9	249.1	269.0	293.2	65.6					
72.2	136.7	197.3	208.3	246.9	262.4	282.2	310.9	132.3	187.4	198.4	235.9	249.1	269.0	293.2	72.2					
78.7	121.3	196.2	208.3	246.9	262.4	282.2	308.6	117.9	186.3	197.3	235.9	249.1	269.0	293.2	78.7					
85.3	108.7	196.2	207.2	246.9	260.1	282.2	307.5	105.2	186.3	196.2	235.9	246.9	266.8	291.0	85.3					
91.9	97.0	195.1	206.1	246.9	260.1	280.0	306.4	93.5	185.2	196.2	233.7	246.9	266.8	288.8	91.9					
98.4	86.4	194.0	205.0	244.7	257.9	280.0	304.2	83.1	184.1	195.1	233.7	244.7	264.6	287.7	98.4					
111.5	69.2	191.8	202.8	241.8	255.0	274.1	302.0	66.1	182.6	192.9	230.8	241.8	260.1	285.5	111.5					
124.7	54.1	189.2	200.6	238.8	248.4	265.3	297.6	51.1	180.8	191.1	227.8	237.4	254.3	282.2	124.7					
137.8	41.0	186.3	198.4	235.9	242.5	257.9	288.1	38.1	178.6	189.6	224.9	231.5	246.9	274.8	137.8					
150.9	30.9	182.6	194.7	230.0	235.2	248.4	277.8	28.0	175.6	185.9	219.0	224.1	237.4	264.6	150.9					
164.0	21.6	178.9	188.9	224.4	228.5	240.3	261.6	18.8	172.4	182.6	213.8	218.9	227.5	254.0	164.0					
177.2	13.2	175.3	185.2	219.4	220.5	229.3	244.3	10.6	168.7	179.7	208.3	212.7	220.5	237.4	177.2					
180.4	11.5	173.1	183.2	218.3	218.8	226.5	239.4	8.8	167.9	177.7	207.1	211.3	218.3	232.6	180.4					
183.7	9.7	172.2	181.1	217.2	217.2	223.8	234.6	-	167.2	175.6	205.8	209.8	216.1	227.8	183.7					
190.3	-	170.4	178.6	215.0	213.8	220.5	224.9	-	165.7	173.8	203.2	206.9	212.7	218.3	190.3					
203.4	-	165.7	173.4	208.7	207.6	212.4	206.5	-	161.7	169.0	198.4	199.2	205.8	200.6	203.4					
216.5	-	162.0	168.7	200.6	201.7	202.8	188.9	-	158.7	165.3	194.0	194.0	198.4	183.4	216.5					
229.7	-	156.5	164.2	185.9	187.0	186.7	172.0	-	152.9	160.9	180.8	180.8	182.2	166.4	229.7					
242.8	-	151.8	156.2	171.6	172.3	171.1	156.2	-	147.7	152.6	167.6	167.0	166.8	151.6	242.8					
255.9	-	146.6	144.4	157.6	157.6	156.5	142.2	-	141.1	140.0	153.2	153.2	152.1	137.8	255.9					
269.0	-	137.8	132.5	144.4	144.4	144.0	129.0	-	134.1	129.0	140.7	140.7	139.6	124.6	269.0					
282.2	-	128.2	121.6	132.6	132.6	132.3	117.2	-	123.8	118.3	129.0	129.0	127.1	113.4	282.2					
295.3	-	117.9	111.3	122.4	122.4	121.3	106.3	-	113.5	108.0	117.9	117.9	114.6	102.3	295.3					
308.4	-	108.0	101.8	112.4	112.4	109.8	96.6	-	104.3	98.5	108.7	108.4	102.0	92.4	308.4					
321.5	-	98.8	92.6	102.7	102.7	98.5	87.7	-	95.1	89.4	99.4	98.8	90.1	83.6	321.5					
334.6	-	90.4	84.4	93.7	93.7	88.0	79.3	-	86.9	80.9	90.4	89.3	78.9	75.2	334.6					
347.8	-	79.7	76.9	85.5	85.3	78.3	71.4	-	75.7	73.6	82.2	78.1	69.1	67.2	347.8					
360.9	-	67.4	67.8	77.6	76.3	69.1	63.9	-	63.9	65.3	72.5	67.5	59.8	60.0	360.9					
374.0	-	54.9	56.2	70.1	66.6	60.8	56.8	-	51.8	56.2	62.2	57.8	51.4	53.0	374.0					
387.1	-	45.0	46.1	63.5	57.8	53.6	50.3	-	41.8	45.3	53.1	49.1	44.2	46.5	387.1					
400.3	-	36.2	38.1	57.3	49.7	47.0	44.4	-	33.1	35.7	44.5	40.9	37.5	40.5	400.3					
413.4	-	29.1	30.9	51.6	42.3	41.0	38.8	-	25.4	28.7	37.0	34.0	31.7	34.9	413.4					
426.5	-	24.7	25.4	46.7	36.6	36.2	33.7	-	20.5	22.9	30.7	27.9	27.2	29.8	426.5					
433.1	-	22.7	23.1	44.3	33.7	33.7	31.3	-	18.1	20.1	27.6	24.9	24.9	27.3	433.1					
439.6	-	-	-	-	-	-	-	-	15.9	17.6	25.1	22.5	23.1	24.9	439.6					

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

LSL_15: 496,100 lb + 110,200 lb

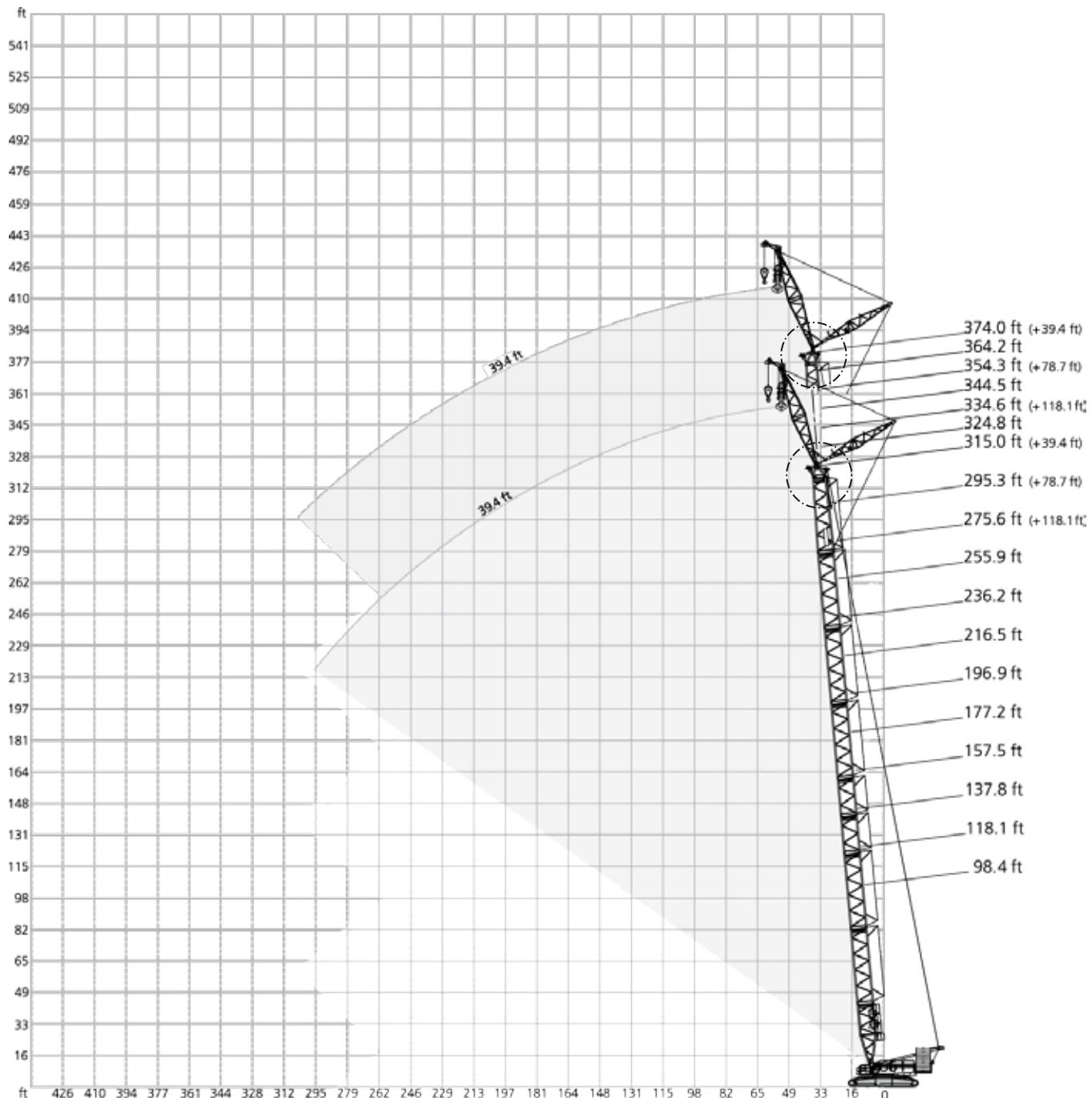
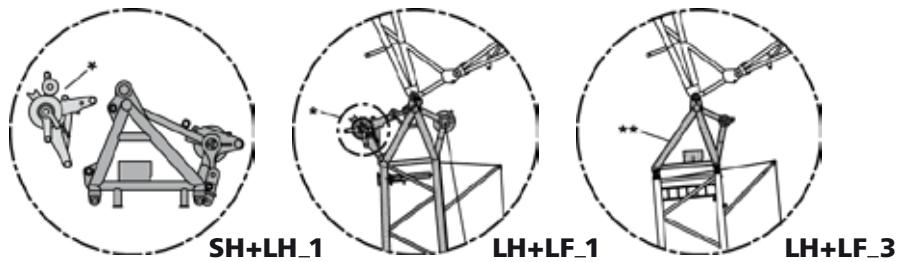
363,800 lb + 110,200 lb												36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%				
												511.8 ft		521.7 ft										
												LSL_5 LSL_7 LSL_9 LSL_11 LSL_13 LSL_15		LSL_5 LSL_7 LSL_9 LSL_11 LSL_13 LSL_15										
												0 lb		0 lb -716.6 klb		0 lb		0 lb -716.6 klb						
ft	1,000 lb												ft											
55.8	169.8	174.2	188.5	224.9	238.1	255.7	282.2	160.9	166.4	178.6	213.8	224.9	240.3	266.8	266.8	55.8	55.8							
59.1	166.4	174.2	187.4	224.9	238.1	255.7	282.2	159.8	165.3	177.5	213.8	222.7	240.3	266.8	266.8	59.1	59.1							
65.6	147.7	173.1	187.4	224.9	238.1	255.7	280.0	143.3	164.2	177.5	212.7	222.7	240.3	266.8	266.8	65.6	65.6							
72.2	131.2	172.0	186.3	224.9	238.1	255.7	280.0	126.8	164.2	176.4	212.7	222.7	238.1	266.8	266.8	72.2	72.2							
78.7	115.7	172.0	185.2	222.7	238.1	255.7	280.0	112.4	163.1	175.3	211.6	222.7	238.1	264.6	264.6	78.7	78.7							
85.3	103.8	170.9	185.2	220.5	235.9	255.7	278.9	100.3	162.0	175.3	210.5	220.5	235.9	263.5	263.5	85.3	85.3							
91.9	92.2	169.8	184.1	219.4	233.7	253.5	277.8	88.8	162.0	174.2	210.5	219.4	235.9	262.4	262.4	91.9	91.9							
98.4	82.0	168.7	184.1	217.2	229.3	253.5	275.6	78.7	160.9	174.2	209.4	217.2	233.7	261.2	261.2	98.4	98.4							
111.5	65.3	166.4	181.9	212.7	224.9	249.1	273.4	62.1	158.7	172.0	206.5	213.5	229.3	259.0	259.0	111.5	111.5							
124.7	50.4	164.6	180.0	207.6	219.4	244.0	269.0	47.4	156.9	170.1	202.5	208.7	224.5	255.7	255.7	124.7	124.7							
137.8	37.5	163.1	178.6	201.7	212.7	238.1	263.1	34.6	155.4	168.7	197.3	202.8	219.4	250.6	250.6	137.8	137.8							
150.9	27.5	160.2	174.9	194.7	204.3	228.8	255.7	24.6	153.2	165.7	192.0	196.2	211.3	244.7	244.7	150.9	150.9							
164.0	18.4	157.1	172.0	187.0	197.3	220.1	248.4	15.6	150.6	163.1	185.9	188.9	202.8	237.4	237.4	164.0	164.0							
173.9	12.4	154.9	169.4	182.3	192.4	215.3	242.5	9.5	148.4	160.7	182.1	184.5	197.9	230.6	230.6	173.9	173.9							
177.2	10.4	154.3	168.7	180.8	190.7	213.8	240.3	-	147.7	159.8	180.8	183.0	196.2	227.4	227.4	177.2	177.2							
190.3	-	150.6	165.7	173.1	181.9	207.2	220.5	-	144.8	156.9	173.8	175.3	187.4	215.0	215.0	190.3	190.3							
203.4	-	147.3	162.8	166.1	173.8	198.4	204.3	-	141.8	154.0	167.2	167.9	180.0	198.8	198.8	203.4	203.4							
216.5	-	144.4	159.8	158.7	166.4	191.8	188.5	-	138.9	151.0	162.0	162.0	172.0	183.0	183.0	216.5	216.5							
229.7	-	139.6	156.9	151.4	159.1	177.8	173.1	-	136.0	148.1	155.8	155.1	165.3	167.6	167.6	229.7	229.7							
242.8	-	134.8	150.6	142.2	148.8	164.2	159.0	-	131.7	144.4	147.7	146.6	153.2	153.2	153.2	242.8	242.8							
255.9	-	131.2	140.0	131.2	137.8	149.9	145.5	-	126.8	135.6	136.7	134.5	135.6	140.4	140.4	255.9	255.9							
269.0	-	126.8	129.0	119.4	126.8	137.4	132.3	-	122.4	124.6	125.7	122.7	118.7	127.9	127.9	269.0	269.0							
282.2	-	120.9	118.5	108.2	115.7	124.2	120.5	-	116.8	114.3	115.0	111.0	103.3	116.1	116.1	282.2	282.2							
295.3	-	113.5	108.7	97.4	104.5	110.2	109.7	-	110.2	104.9	104.7	99.4	88.8	105.4	105.4	295.3	295.3							
308.4	-	104.7	99.1	86.4	93.5	98.3	99.9	-	101.3	95.5	93.9	87.5	74.9	95.7	95.7	308.4	308.4							
321.5	-	95.7	90.0	75.5	82.4	86.4	90.8	-	92.4	86.5	82.9	76.1	61.9	86.6	86.6	321.5	321.5							
334.6	-	86.9	81.4	64.6	71.2	75.0	82.3	-	83.6	77.8	71.9	64.6	50.0	78.0	78.0	334.6	334.6							
347.8	-	79.7	74.0	54.7	60.9	65.0	74.5	-	76.2	70.3	60.8	54.7	39.7	70.3	70.3	347.8	347.8							
360.9	-	71.4	66.8	45.2	51.3	55.6	67.1	-	68.3	63.5	50.5	45.4	30.6	63.1	63.1	360.9	360.9							
374.0	-	62.2	59.7	36.6	42.3	47.0	59.9	-	56.9	56.9	40.8	36.6	22.3	56.2	56.2	374.0	374.0							
387.1	-	51.7	49.0	29.0	34.4	39.6	52.7	-	45.7	45.9	32.3	28.8	15.0	49.8	49.8	387.1	387.1							
400.3	-	42.0	39.1	21.8	26.9	32.9	45.8	-	36.4	36.0	24.4	21.5	9.0	43.8	43.8	400.3	400.3							
413.4	-	34.2	31.5	15.4	20.5	26.9	39.4	-	27.6	27.8	17.2	14.8	-	38.0	38.0	413.4	413.4							
426.5	-	26.7	24.8	9.7	14.9	22.2	33.5	-	20.2	20.9	11.0	9.0	-	32.2	32.2	426.5	426.5							
429.8	-	24.8	23.1	-	13.5	21.0	32.2	-	18.5	19.1	9.5	-	-	30.9	30.9	429.8	429.8							
439.6	-	19.8	18.8	-	9.7	18.1	28.5	-	14.1	14.6	-	-	-	26.9	26.9	439.6	439.6							
449.5	-	15.2	15.0	-	-	15.7	25.1	-	10.8	10.8	-	-	-	23.1	23.1	449.5	449.5							
452.8	-	-	-	-	-	-	-	-	9.7	9.5	-	-	-	22.0	22.0	452.8	452.8							
459.3	-	-	-	-	-	-	-	-	-	-	-	-	-	19.8	19.8	459.3	459.3							

LSL_15: 496,100 lb + 110,200 lb

		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft		32.2 ft/s		360°		75%			
		531.5 ft				541.3 ft				551.2 ft				561.0 ft			
		LSL_9	LSL_11	LSL_13	LSL_15	LSL_9	LSL_11	LSL_13	LSL_15	LSL_13	LSL_15	LSL_13	LSL_15	LSL_13	LSL_15		
		0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb	0 lb	0 lb - 716.6 klb		
ft		1,000 lb												ft			
59.1	155.4	201.7	211.6	229.3	253.5	151.0	189.6	199.5	216.1	240.3	144.4	202.8	229.3	140.0	191.8	215.0	59.1
65.6	135.6	200.6	210.5	227.1	253.5	131.2	188.5	199.5	216.1	240.3	125.7	201.7	229.3	121.3	190.7	215.0	65.6
72.2	119.0	199.5	210.5	227.1	251.3	114.6	187.4	198.4	215.0	238.1	110.0	201.7	227.1	105.6	189.6	213.8	72.2
78.7	105.4	199.5	210.5	227.1	251.3	101.2	187.4	198.4	215.0	238.1	95.9	201.7	227.1	91.5	189.6	212.7	78.7
85.3	92.4	198.4	209.4	227.1	250.2	88.4	186.3	198.4	215.0	237.0	83.1	200.6	226.0	78.9	189.6	212.2	85.3
91.9	80.7	198.4	208.3	224.9	249.1	76.9	186.3	197.3	213.8	235.9	71.9	199.5	224.9	67.9	188.5	211.6	91.9
98.4	70.5	197.3	207.2	224.9	248.0	66.8	185.2	196.2	212.7	234.8	61.7	199.5	223.8	57.8	187.4	210.0	98.4
111.5	53.5	195.1	204.3	221.2	245.8	50.0	183.7	194.7	211.3	232.6	45.0	198.8	221.6	41.3	186.7	207.8	111.5
124.7	38.5	192.2	200.3	217.2	242.5	35.2	181.9	192.2	209.1	229.3	30.3	196.9	219.4	26.7	185.2	205.6	124.7
137.8	25.6	188.5	195.1	212.7	238.1	22.3	179.7	188.5	206.1	224.9	17.6	194.0	216.4	14.1	183.0	202.5	137.8
141.1	23.0	187.4	194.0	211.1	237.0	19.7	178.9	187.4	205.0	223.8	15.0	192.9	215.5	11.2	181.9	201.7	141.1
147.6	18.0	185.2	191.8	207.8	234.8	14.5	177.2	184.9	202.5	221.6	9.7	190.7	213.7	-	180.1	200.3	147.6
150.9	15.4	184.1	189.6	206.1	233.7	11.9	176.4	183.5	201.2	220.5	-	189.6	212.7	-	179.2	199.5	150.9
154.2	12.9	183.0	187.9	204.5	231.9	9.3	175.8	182.2	199.8	219.4	-	188.5	211.6	-	178.4	198.4	154.2
157.5	10.4	181.9	186.3	202.8	230.2	-	175.3	180.8	198.4	218.3	-	187.4	210.5	-	177.5	197.1	157.5
164.0	-	179.3	183.4	198.8	226.6	-	173.1	178.2	195.1	216.1	-	184.5	208.0	-	175.3	194.4	164.0
177.2	-	174.2	177.5	192.9	218.3	-	168.7	173.1	189.6	209.1	-	179.7	202.1	-	170.9	188.9	177.2
190.3	-	169.8	172.3	184.8	209.4	-	165.7	168.7	184.5	201.7	-	174.9	196.2	-	166.4	183.0	190.3
203.4	-	164.2	166.1	177.1	194.0	-	162.4	163.1	179.7	187.0	-	170.9	182.2	-	162.4	172.7	203.4
216.5	-	159.8	160.9	170.9	178.9	-	158.7	158.7	175.3	172.5	-	166.4	168.7	-	158.7	160.9	216.5
229.7	-	153.6	154.0	164.7	164.2	-	155.4	153.2	163.1	158.7	-	160.2	155.4	-	152.3	147.7	229.7
242.8	-	146.6	146.2	154.3	150.4	-	148.8	145.9	149.9	145.5	-	148.1	142.9	-	142.9	136.0	242.8
255.9	-	137.8	136.7	141.1	137.4	-	137.8	137.8	136.7	132.6	-	135.6	130.4	-	131.2	124.2	255.9
269.0	-	127.5	124.9	124.2	125.7	-	126.8	126.0	124.9	120.2	-	124.6	117.9	-	120.2	112.4	269.0
282.2	-	117.1	113.7	108.5	114.3	-	116.1	114.5	113.9	109.8	-	113.9	107.7	-	108.9	102.7	282.2
295.3	-	106.5	103.0	94.1	103.6	-	105.6	103.0	103.4	99.4	-	103.4	97.6	-	99.2	92.8	295.3
308.4	-	96.1	91.5	80.8	93.5	-	96.2	91.2	90.8	89.3	-	94.0	87.7	-	89.7	83.1	308.4
321.5	-	85.5	80.0	68.1	84.4	-	87.2	79.4	78.0	80.1	-	85.1	78.5	-	80.6	74.1	321.5
334.6	-	75.0	68.6	56.2	75.8	-	78.7	67.5	65.5	71.8	-	75.8	69.8	-	72.5	65.9	334.6
347.8	-	63.3	58.1	45.7	67.9	-	70.9	56.7	54.5	63.7	-	65.6	61.3	-	64.9	58.0	347.8
360.9	-	52.6	48.2	36.1	60.8	-	61.5	46.6	44.0	56.7	-	55.7	52.6	-	57.1	50.0	360.9
374.0	-	42.3	38.8	27.1	54.0	-	50.5	37.0	34.4	50.1	-	46.5	44.5	-	48.1	42.1	374.0
387.1	-	33.1	30.2	19.5	47.2	-	40.4	28.5	26.0	43.7	-	38.0	36.6	-	39.7	34.2	387.1
400.3	-	25.0	22.6	12.8	40.0	-	31.2	20.5	18.4	37.7	-	29.9	29.5	-	31.5	27.1	400.3
406.8	-	21.1	18.9	9.7	36.4	-	27.0	16.8	15.0	34.8	-	26.1	26.0	-	27.7	23.6	406.8
413.4	-	17.2	15.2	-	33.1	-	22.7	13.0	12.3	31.7	-	22.5	22.9	-	23.8	20.4	413.4
419.9	-	13.8	12.0	-	30.1	-	18.9	9.7	9.5	28.5	-	19.1	19.8	-	20.4	17.2	419.9
426.5	-	10.4	8.8	-	27.1	-	15.2	-	-	25.4	-	15.7	16.8	-	16.9	14.1	426.5
436.4	-	-	-	-	23.0	-	10.1	-	-	21.1	-	10.9	12.6	-	11.7	9.7	436.4
439.6	-	-	-	-	21.7	-	-	-	-	19.6	-	9.5	11.1	-	10.4	-	439.6
442.9	-	-	-	-	20.3	-	-	-	-	18.3	-	-	9.7	-	-	-	442.9
452.8	-	-	-	-	16.5	-	-	-	-	14.6	-	-	-	-	-	-	452.8
465.9	-	-	-	-	12.1	-	-	-	-	9.7	-	-	-	-	-	-	465.9

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

LSL_15: 496,100 lb + 110,200 lb



* Attachable

** Option

		39.4-118.1 ft				27.6 ft				32.2 ft/s				360°				75%			
		98.4 ft				118.1 ft				SH+LF_1											
		39.4 ft				78.7 ft				118.1 ft				39.4 ft				78.7 ft			
ft	ft	1,000 lb																			
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

		39.4-118.1 ft				27.6 ft		32.2 ft/s				360°				75%				
		157.5 ft						177.2 ft												
		SH+LF_1																		
		39.4 ft				78.7 ft		118.1 ft				39.4 ft		78.7 ft				118.1 ft		
ft	ft	1,000 lb																ft	ft	
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	-	109.3	-	-	-	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	105.9	-	-	-	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	102.5	-	-	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	99.5	80.5	-	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	96.6	78.3	-	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	91.3	74.5	-	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	86.4	71.0	47.4	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	82.0	67.7	45.6	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	74.1	61.9	42.3	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	67.2	56.9	39.5	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	61.7	52.5	36.8	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	57.3	48.7	34.6	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	56.4	48.0	34.1	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	53.8	45.6	32.6	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	52.9	44.9	32.2	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	51.0	43.5	31.3	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	50.0	42.8	30.9	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	49.3	42.1	30.5	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	47.0	40.1	29.3	190.3	
193.6	-	-	-	62.4	56.3	44.5	43.9	38.0	28.3	53.7	-	-	59.6	58.1	45.7	46.2	39.6	29.0	193.6	
196.9	-	-	-	60.6	55.8	-	43.2	37.5	28.0	51.8	-	-	57.8	57.0	45.4	45.5	39.0	28.7	196.9	
203.4	-	-	-	57.1	54.7	-	41.9	36.4	27.3	-	-	-	54.0	54.7	44.8	44.1	37.9	28.0	203.4	
206.7	-	-	-	55.5	54.1	-	41.3	35.9	27.1	-	-	-	52.2	52.9	44.3	43.5	37.5	27.7	206.7	
210.0	-	-	-	53.9	53.6	-	40.7	35.5	26.8	-	-	-	50.6	51.1	-	42.9	37.0	27.4	210.0	
216.5	-	-	-	50.7	-	39.5	34.6	26.2	-	-	-	-	47.4	48.1	-	41.7	36.2	26.9	216.5	
219.8	-	-	-	49.2	-	39.0	34.2	26.0	-	-	-	-	46.0	46.5	-	41.1	35.7	26.7	219.8	
226.4	-	-	-	-	-	38.0	33.5	25.6	-	-	-	-	43.1	43.4	-	40.0	34.8	26.2	226.4	
229.7	-	-	-	-	-	37.5	33.1	25.4	-	-	-	-	41.7	-	-	39.5	34.4	26.0	229.7	
236.2	-	-	-	-	-	36.6	32.4	-	-	-	-	-	39.0	-	-	38.5	33.7	25.6	236.2	
242.8	-	-	-	-	-	35.7	31.7	-	-	-	-	-	-	-	-	37.5	33.1	25.4	242.8	
249.3	-	-	-	-	-	35.1	31.3	-	-	-	-	-	-	-	-	36.5	32.4	-	249.3	
255.9	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	-	35.5	31.7	-	255.9	
265.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.4	31.1	-	265.7	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.3	-	-	269.0	
272.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.2	-	-	272.3	

		39.4-118.1 ft						27.6 ft			32.2 ft/s						360°			75%		
		196.9 ft						SH+LF_1			216.5 ft											
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft					
ft	ft	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	79.4	-	-	-	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	75.8	-	-	-	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	72.5	-	-	-	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	71.1	-	-	-	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	69.7	46.1	46.1	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	64.2	43.0	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	59.3	40.3	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	55.1	37.9	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	51.4	35.7	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	48.5	34.0	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	45.9	32.4	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	45.2	32.0	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	43.2	30.9	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	42.1	30.2	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	41.0	29.5	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	39.5	28.7	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	39.0	28.4	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	38.6	28.2	219.8			
229.7	-	-	-	37.7	38.4	-	41.4	35.7	26.7	29.5	-	-	35.5	36.2	37.5	39.9	37.3	27.3	229.7			
232.9	-	-	-	36.4	37.0	-	40.3	35.4	26.5	28.4	-	-	34.2	34.8	36.2	38.6	36.8	27.1	232.9			
242.8	-	-	-	32.6	33.1	-	36.8	34.4	25.8	-	-	-	30.2	30.9	-	34.6	35.5	26.5	242.8			
252.6	-	-	-	29.1	-	-	33.3	33.2	25.3	-	-	-	26.9	27.4	-	31.1	32.1	25.8	252.6			
255.9	-	-	-	-	-	-	32.2	32.8	25.1	-	-	-	25.8	26.2	-	30.0	30.9	25.6	255.9			
259.2	-	-	-	-	-	-	31.1	31.7	24.9	-	-	-	24.8	25.1	-	28.9	29.8	25.4	259.2			
269.0	-	-	-	-	-	-	27.8	28.4	-	-	-	-	21.6	-	-	25.6	26.5	24.9	269.0			
272.3	-	-	-	-	-	-	26.8	27.4	-	-	-	-	-	-	-	24.6	25.5	24.9	272.3			
282.2	-	-	-	-	-	-	24.0	24.5	-	-	-	-	-	-	-	21.8	22.5	-	282.2			
292.0	-	-	-	-	-	-	21.4	-	-	-	-	-	-	-	-	19.2	19.7	-	292.0			
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	18.7	-	295.3			
298.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.5	18.1	-	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°			75%																
		SH+LF_1						SH+LF_2						SH+LF_3																
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft													
		ft																												
		1,000 lb																												
42.7	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7												
45.9	357.1	269.0	-	-	-	-	-	-	363.8	-	-	-	-	-	-	-	-	45.9												
49.2	342.8	262.4	-	-	-	-	-	-	340.6	266.8	-	-	-	-	-	-	-	49.2												
52.5	328.5	255.7	165.3	-	-	-	-	-	317.5	260.1	-	-	-	-	-	-	-	52.5												
55.8	309.7	249.1	162.6	178.6	-	-	-	-	299.8	253.5	164.2	-	-	-	-	-	-	55.8												
59.1	291.0	242.5	159.8	173.1	-	-	-	-	282.2	246.9	160.9	175.3	-	-	-	-	-	59.1												
62.3	275.6	237.0	157.1	168.1	129.0	-	-	-	266.8	241.4	158.2	170.9	-	-	-	-	-	62.3												
65.6	260.1	231.5	154.3	163.1	125.7	-	-	-	251.3	235.9	155.4	166.4	127.9	-	-	-	-	65.6												
68.9	246.9	227.1	151.6	158.7	122.9	-	108.7	-	238.1	231.5	153.2	162.0	125.1	-	-	-	-	68.9												
72.2	233.7	222.7	148.8	154.3	120.2	-	105.8	-	224.9	227.1	151.0	157.6	122.4	-	106.0	-	-	72.2												
75.5	222.1	217.7	146.6	149.9	117.4	77.2	103.1	-	215.0	217.2	148.8	153.2	119.6	-	103.5	-	-	75.5												
78.7	210.5	212.7	144.4	145.5	114.6	75.8	100.3	79.8	-	205.0	207.2	146.6	148.8	116.8	76.3	101.0	-	78.7												
82.0	201.2	203.4	142.2	142.2	112.4	74.6	97.9	78.2	-	195.7	197.3	144.4	145.5	114.6	75.1	98.5	78.3	-	82.0											
85.3	191.8	194.0	140.0	138.9	110.2	73.4	95.5	76.5	-	186.3	187.4	142.2	142.2	112.4	73.9	96.1	76.7	-	85.3											
91.9	174.2	176.4	136.7	132.3	105.8	71.0	91.1	73.2	-	169.8	172.0	138.9	135.6	107.8	71.7	91.9	73.6	-	91.9											
98.4	157.6	159.8	132.3	125.7	101.6	68.8	87.1	70.3	46.1	155.4	156.5	134.5	129.0	103.8	69.4	88.2	70.8	-	98.4											
101.7	150.5	152.4	130.6	123.2	99.8	67.8	85.3	69.1	45.4	148.5	149.6	132.8	126.5	102.0	68.5	86.4	69.6	45.2	101.7											
111.5	129.0	130.1	125.7	115.7	94.4	64.8	79.8	65.3	43.2	127.9	129.0	127.9	119.0	96.6	65.7	81.1	65.9	43.2	111.5											
124.7	107.6	108.7	110.2	106.7	88.0	61.3	73.4	60.4	40.6	106.0	107.4	109.6	110.2	90.2	62.4	75.0	61.5	40.8	124.7											
137.8	90.2	91.3	93.0	98.1	82.5	58.4	67.9	56.4	38.4	88.8	89.7	91.7	96.8	84.7	59.3	69.4	57.3	38.6	137.8											
150.9	75.6	76.7	78.5	83.8	77.6	55.6	62.8	52.7	36.4	73.9	75.0	76.9	82.2	79.8	56.7	64.6	53.8	36.6	150.9											
164.0	63.5	64.4	65.7	71.7	73.4	53.1	58.9	49.6	34.4	61.7	62.6	64.2	70.1	71.9	54.2	60.4	50.7	34.8	164.0											
177.2	53.1	54.0	55.1	61.1	62.6	51.1	55.6	47.0	32.8	51.4	52.2	53.6	59.5	61.1	52.0	56.9	47.8	33.3	177.2											
190.3	44.5	45.2	46.3	52.0	53.4	49.2	52.7	44.5	31.5	42.8	43.4	44.5	50.3	51.8	50.3	54.0	45.6	32.0	190.3											
203.4	37.3	37.7	38.6	44.3	45.4	47.6	49.6	42.3	30.2	35.3	35.9	36.8	42.5	43.9	46.3	48.1	43.7	30.6	203.4											
210.0	34.1	34.5	35.1	40.9	42.0	44.1	46.2	41.3	29.5	32.1	32.6	33.5	39.0	40.3	42.7	44.5	42.5	30.1	210.0											
216.5	30.9	31.3	-	37.5	38.6	40.6	42.8	40.3	28.9	28.9	29.3	30.2	35.9	37.0	39.0	41.0	41.4	29.5	216.5											
223.1	28.1	28.4	-	34.6	35.6	37.3	39.7	39.2	28.4	26.0	26.5	27.3	33.0	34.0	35.7	37.9	39.0	29.0	223.1											
229.7	25.4	25.6	-	31.7	32.6	34.2	36.6	38.1	28.0	23.4	23.8	-	30.0	30.9	32.6	34.8	36.6	28.4	229.7											
236.2	22.9	23.1	-	29.1	30.0	31.4	34.0	35.3	27.4	20.9	21.3	-	27.3	28.2	29.9	32.2	33.7	28.0	236.2											
242.8	20.5	-	-	26.5	27.3	28.7	31.3	32.6	26.9	18.5	18.7	-	24.7	25.6	27.1	29.5	30.9	27.6	242.8											
246.1	19.4	-	-	25.2	26.1	27.3	30.1	31.4	26.7	17.4	17.6	-	23.5	24.3	25.9	28.3	29.7	27.3	246.1											
249.3	18.3	-	-	24.0	24.8	-	28.9	30.1	26.6	16.3	16.5	-	22.4	23.1	24.6	27.1	28.4	27.1	249.3											
252.6	-	-	-	22.9	23.6	-	27.7	28.8	26.4	15.2	15.4	-	21.2	21.9	23.4	25.9	27.2	26.9	252.6											
255.9	-	-	-	21.8	22.5	-	26.5	27.6	26.2	14.1	-	-	20.1	20.7	22.0	24.7	26.0	26.7	255.9											
262.5	-	-	-	19.7	20.4	-	24.3	25.4	25.6	12.2	-	-	18.0	18.6	19.8	22.5	23.8	25.1	262.5											
265.7	-	-	-	18.7	19.3	-	23.1	24.3	25.2	11.2	-	-	16.9	17.6	-	21.4	22.7	24.4	265.7											
269.0	-	-	-	17.6	18.3	-	22.0	23.1	24.9	-	-	-	15.9	16.5	-	20.3	21.6	23.6	269.0											
275.6	-	-	-	15.9	16.3	-	20.2	21.1	22.7	-	-	-	14.0	14.6	-	18.4	19.5	21.5	275.6											
282.2	-	-	-	14.1	-	-	18.3	19.2	20.7	-	-	-	12.1	12.8	-	16.5	17.4	19.4	282.2											
285.4	-	-	-	13.2	-	-	17.4	18.2	19.6	-	-	-	11.3	11.9	-	15.7	16.5	18.4	285.4											
292.0	-	-	-	-	-	-	15.7	16.4	-	-	-	-	9.6	10.1	-	13.9	14.8	16.4	292.0											
295.3	-	-	-	-	-	-	14.8	15.4	-	-	-	-	8.8	-	-	13.0	13.9	15.4	295.3											
298.6	-	-	-	-	-	-	13.9	14.6	-	-	-	-	8.2	-	-	12.2	13.1	14.6	298.6											
308.4	-	-	-	-	-	-	11.5	12.1	-	-	-	-	-	-	-	9.7	10.6	-	308.4											
311.7	-	-	-	-	-	-	10.7	11.2	-	-	-	-	-	-	-	8.9	9.8	-	311.7											
315.0	-	-	-	-	-	-	10.0	-	-	-	-	-	-	-	-	8.2	9.0	-	315.0											
318.2	-	-	-	-	-	-	9.3	-	-	-	-	-	-	-	-	8.2	-	-	318.2											
321.5	-	-	-	-	-	-	8.6	-	-	-	-	-	-	-	-	-	-	-	321.5											
324.8	-	-	-	-	-	-	7.9	-	-	-	-	-	-	-	-	-	-	-	324.8											

		39.4-118.1 ft				27.6 ft				32.2 ft/s				360°				75%				
		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				
		15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°
ft		1,000 lb																				ft
45.9	348.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9	
49.2	327.4	269.0	-	-	-	-	-	-	-	313.1	-	-	-	-	-	-	-	299.8	-	-	49.2	
52.5	306.4	262.4	-	-	-	-	-	-	-	293.2	266.8	-	-	-	-	-	-	282.2	269.0	-	52.5	
55.8	288.8	256.8	165.3	-	-	-	-	-	-	276.7	261.2	-	-	-	-	-	-	265.7	261.2	-	55.8	
59.1	271.2	251.3	162.0	177.5	-	-	-	-	-	260.1	255.7	163.1	-	-	-	-	-	249.1	253.5	164.2	59.1	
62.3	255.7	245.8	159.8	173.1	-	-	-	-	-	245.8	245.8	160.9	174.2	-	-	-	-	235.9	239.2	162.0	62.3	
65.6	240.3	240.3	157.6	168.7	129.0	-	-	-	-	231.5	235.9	158.7	169.8	-	-	-	-	222.7	224.9	159.8	65.6	
68.9	228.7	229.8	154.9	164.2	126.2	-	-	-	-	219.9	223.8	156.5	165.9	127.9	-	-	-	211.1	213.8	157.6	68.9	
72.2	217.2	219.4	152.1	159.8	123.5	-	106.7	-	-	208.3	211.6	154.3	162.0	124.6	-	-	-	199.5	202.8	155.4	72.2	
78.7	196.2	198.4	147.7	152.1	117.9	76.7	101.6	-	-	188.5	190.7	149.9	154.3	120.2	-	-	-	179.7	183.0	151.0	78.7	
82.0	186.8	189.0	146.1	148.8	115.7	75.5	99.4	-	-	179.7	181.9	147.7	151.0	117.9	75.8	-	-	171.4	174.2	149.4	82.0	
85.3	177.5	179.7	144.4	145.5	113.5	74.3	97.2	77.2	-	170.9	173.1	145.5	147.7	115.7	74.7	-	-	163.1	165.3	147.7	85.3	
91.9	162.0	164.2	140.0	138.9	109.8	72.3	93.0	74.1	-	155.4	157.6	142.2	142.2	111.3	72.8	-	-	147.7	149.9	143.3	91.9	
98.4	147.7	149.9	136.7	132.3	105.8	70.1	89.3	71.4	-	141.1	143.3	138.9	135.6	107.6	70.8	-	-	134.5	136.7	140.0	98.4	
101.7	141.9	143.9	134.8	129.8	104.0	69.2	87.6	70.2	45.4	135.6	137.5	135.0	132.3	105.8	69.8	-	-	129.0	130.6	134.5	101.7	
111.5	124.6	125.7	129.0	122.4	98.5	66.4	82.7	66.6	43.4	119.0	120.2	123.5	122.4	100.3	67.0	-	-	112.4	113.5	117.9	111.5	
124.7	103.0	104.3	106.5	110.0	92.2	63.1	76.5	62.4	41.0	100.1	101.4	104.1	104.1	104.9	94.1	-	-	63.9	94.6	96.1	99.0	
137.8	85.1	86.2	88.6	93.9	86.9	60.2	71.0	58.4	39.0	81.6	83.1	85.5	89.7	88.6	61.1	-	-	77.8	79.1	82.0	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	70.1	76.3	78.7	58.4	-	-	62.6	63.9	66.4	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	57.3	63.5	65.7	56.0	-	-	50.3	51.4	53.6	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	46.5	52.7	54.7	53.8	-	-	39.9	40.8	42.8	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	37.5	43.7	45.4	48.5	-	-	31.1	32.0	33.5	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	29.5	35.7	37.3	40.1	-	-	23.4	24.3	25.8	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	22.9	28.9	30.4	32.8	-	-	17.0	17.6	19.0	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	17.0	22.9	24.3	26.5	-	-	11.2	11.9	13.0	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	14.3	20.3	21.5	23.5	-	-	8.6	9.3	10.4	236.2	
239.5	15.4	15.9	-	22.3	23.3	25.1	27.4	29.2	28.2	11.6	12.3	13.0	19.0	20.1	22.1	-	-	7.9	9.0	10.4	239.5	
242.8	14.1	14.6	-	20.9	22.0	23.8	26.0	27.8	28.0	10.4	11.0	11.7	17.6	18.7	20.7	-	-	7.7	7.7	242.8		
249.3	12.0	12.3	-	18.6	19.6	21.3	23.6	25.3	26.7	8.2	8.6	9.5	15.2	16.4	18.2	-	-	-	-	249.3		
255.9	9.9	10.1	-	16.3	17.2	18.7	21.2	22.7	25.4	-	-	-	13.0	13.9	15.7	-	-	-	-	255.9		
262.5	7.9	8.2	-	14.2	15.0	16.4	19.1	20.5	22.9	-	-	-	10.9	11.8	13.4	-	-	-	-	262.5		
269.0	-	-	-	12.1	12.8	14.1	17.0	18.3	20.5	-	-	-	8.8	9.7	11.2	-	-	-	-	269.0		
272.3	-	-	-	11.2	11.8	13.1	16.0	17.3	19.5	-	-	-	7.7	8.6	10.2	-	-	-	-	272.3		
275.6	-	-	-	10.3	10.9	12.1	15.0	16.2	18.4	-	-	-	-	-	9.2	-	-	-	-	275.6		
278.9	-	-	-	9.3	10.0	-	14.0	15.2	17.4	-	-	-	-	-	8.2	-	-	-	-	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

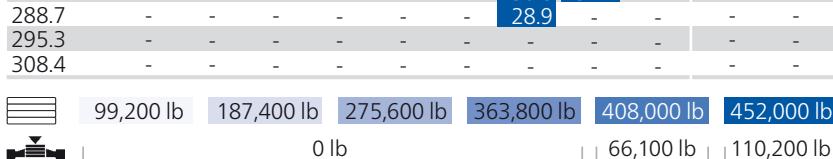
0 lb 66,100 lb 110,200 lb

		39.4-118.1 ft				27.6 ft		32.2 ft/s				360°				75%					
		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			
ft	ft	1,000 lb																ft	ft	ft	
32.8	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8	
36.1	374.8	291.0	-	-	-	-	-	-	-	385.8	-	-	-	-	-	-	-	-	-	36.1	
39.4	357.1	280.0	-	-	-	-	-	-	-	368.2	286.6	-	-	-	-	-	-	-	-	39.4	
42.7	342.8	270.1	180.8	-	-	-	-	-	-	353.8	276.7	183.0	-	-	-	-	-	-	-	42.7	
45.9	328.5	260.1	176.4	190.7	-	-	-	-	-	339.5	266.8	178.6	-	-	-	-	-	-	-	45.9	
49.2	316.4	252.4	172.0	183.5	-	-	-	-	-	327.4	259.0	174.7	187.4	-	-	-	-	-	-	49.2	
52.5	304.2	244.7	167.6	176.4	140.0	-	-	-	-	315.3	251.3	170.9	180.8	-	-	-	-	-	-	52.5	
55.8	293.2	237.0	163.7	169.8	135.6	-	-	-	-	305.3	244.7	167.0	174.2	137.8	-	-	-	-	-	55.8	
59.1	282.2	229.3	159.8	163.1	131.2	-	117.9	-	-	295.4	238.1	163.1	167.6	133.4	-	-	-	-	-	59.1	
62.3	273.4	223.8	156.5	157.6	127.3	-	114.1	-	-	286.6	231.5	159.8	162.6	130.1	-	114.6	-	-	-	62.3	
65.6	264.6	218.3	153.2	152.1	123.5	84.4	110.2	-	-	277.8	224.9	156.5	157.6	126.8	84.9	111.3	-	-	-	65.6	
68.9	256.8	212.7	150.5	147.2	120.2	82.7	106.7	86.2	-	269.0	219.9	153.8	152.7	123.5	83.2	108.1	-	-	-	68.9	
72.2	249.1	207.2	147.7	142.2	116.8	80.9	103.2	83.8	-	260.1	215.0	151.0	147.7	120.2	81.6	104.9	84.4	-	-	72.2	
78.7	233.7	196.2	142.2	134.5	110.2	77.6	97.2	79.4	-	235.9	205.0	145.5	138.9	113.5	78.5	99.0	80.2	-	-	78.7	
85.3	213.8	187.4	136.7	126.8	105.4	74.3	91.9	75.4	-	211.6	195.1	141.1	131.2	108.7	75.6	93.9	76.3	-	-	85.3	
88.6	203.4	183.5	134.5	123.5	102.8	72.9	89.5	73.6	49.2	201.2	191.3	138.3	127.9	106.2	74.3	91.5	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	190.7	187.4	135.6	124.6	103.6	73.0	89.1	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	173.1	174.2	132.3	119.0	99.2	70.3	84.7	69.7	46.5	98.4		
111.5	146.6	147.7	120.2	103.6	88.0	64.2	74.3	62.4	42.8	144.4	145.5	124.6	108.5	91.3	65.7	76.7	63.9	43.2	111.5		
124.7	125.7	125.7	114.6	95.0	81.4	60.2	67.7	57.3	39.7	122.4	123.5	117.9	99.6	84.7	61.9	69.9	58.9	40.3	124.7		
137.8	108.9	109.3	110.0	87.7	75.8	56.9	62.4	52.9	37.3	106.0	106.7	107.6	92.2	78.9	58.4	64.4	54.5	37.9	137.8		
150.9	95.2	95.5	96.1	81.6	71.0	54.0	58.2	49.6	35.1	92.4	92.8	93.5	85.8	74.1	55.6	60.2	50.9	35.7	150.9		
154.2	92.4	92.6	93.0	80.2	69.9	53.4	57.2	48.8	34.6	89.6	89.9	90.6	84.4	73.0	55.0	59.2	50.2	35.2	154.2		
164.0	84.0	84.2	-	76.3	66.8	51.6	54.2	46.5	33.1	81.1	81.4	82.0	69.9	53.1	56.4	48.1	33.7	164.0			
167.3	81.7	81.9	-	75.2	66.0	51.1	53.3	45.8	32.7	78.7	78.9	79.4	79.1	69.0	52.6	55.6	47.4	33.3	167.3		
173.9	77.1	77.2	-	73.0	64.3	50.1	51.4	44.4	31.9	74.0	74.3	-	76.8	67.2	51.5	53.8	46.1	32.6	173.9		
177.2	74.7	-	-	71.9	63.5	49.6	50.5	43.7	31.5	71.7	72.1	-	75.6	66.4	50.9	52.9	45.4	32.2	177.2		
180.4	72.8	-	-	70.9	62.8	49.2	49.7	43.0	31.1	69.7	70.0	-	73.6	65.6	50.5	52.1	44.8	31.8	180.4		
187.0	-	-	-	68.9	61.3	48.4	48.2	41.8	30.4	65.7	65.9	-	69.7	63.9	49.6	50.4	43.4	31.0	187.0		
190.3	-	-	-	67.9	60.6	48.1	47.4	41.2	30.0	63.7	-	-	67.7	63.1	49.2	49.6	42.8	30.6	190.3		
193.6	-	-	-	67.1	60.0	47.6	46.7	40.7	29.7	62.1	-	-	65.9	62.4	48.7	48.9	42.3	30.4	193.6		
196.9	-	-	-	66.4	59.3	-	46.0	40.1	29.4	60.4	-	-	64.2	61.7	48.4	48.3	41.7	30.1	196.9		
203.4	-	-	-	63.1	58.2	-	44.5	39.0	28.9	-	-	-	60.6	60.4	47.8	47.0	40.6	29.5	203.4		
206.7	-	-	-	61.6	57.7	-	44.0	38.5	28.6	-	-	-	59.1	59.0	47.4	46.3	40.1	29.2	206.7		
210.0	-	-	-	60.1	57.1	-	43.4	38.0	28.3	-	-	-	57.5	57.7	-	45.6	39.7	28.9	210.0		
216.5	-	-	-	57.1	-	-	42.1	37.0	27.8	-	-	-	54.5	54.9	-	44.3	38.8	28.4	216.5		
226.4	-	-	-	-	-	-	40.6	35.9	27.3	-	-	-	50.2	50.5	-	42.7	37.5	27.8	226.4		
229.7	-	-	-	-	-	-	40.1	35.5	27.1	-	-	-	48.7	-	-	42.1	37.0	27.6	229.7		
236.2	-	-	-	-	-	-	39.2	34.8	-	-	-	-	46.3	-	-	41.1	36.3	27.2	236.2		
242.8	-	-	-	-	-	-	38.4	34.2	-	-	-	-	-	-	-	40.1	35.5	26.9	242.8		
246.1	-	-	-	-	-	-	38.0	33.8	-	-	-	-	-	-	-	39.7	35.2	26.7	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 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°				75%					
		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	
36.1	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1	
39.4	379.2	291.0	-	-	-	-	-	-	-	-	370.4	286.6	-	-	-	-	-	-	-	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	83.3	-	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	81.4	-	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	77.8	-	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	74.5	48.5	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	71.7	46.7	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	66.1	43.9	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	61.5	41.2	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	57.1	38.8	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	53.6	36.8	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	50.5	34.8	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	48.1	33.3	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	46.7	32.6	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	45.4	32.0	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	44.3	31.2	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	43.2	30.6	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	41.7	29.8	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	41.2	29.5	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	40.8	29.3	219.8		
229.7	-	-	-	45.6	46.1	-	44.1	38.4	28.0	37.5	-	-	42.1	42.8	43.9	45.6	39.5	28.4	229.7		
232.9	-	-	-	44.4	44.8	-	43.5	38.0	27.8	36.4	-	-	40.8	41.4	42.4	44.3	39.1	28.2	232.9		
236.2	-	-	-	43.1	43.4	-	43.0	37.6	27.7	-	-	-	39.6	40.1	41.0	43.0	38.7	28.0	236.2		
242.8	-	-	-	40.6	40.8	-	42.1	36.8	27.3	-	-	-	37.0	37.5	-	40.3	37.9	27.6	242.8		
252.6	-	-	-	37.0	-	-	39.6	35.8	26.8	-	-	-	33.5	34.0	-	36.9	36.8	27.1	252.6		
255.9	-	-	-	-	-	-	38.8	35.5	26.7	-	-	-	32.4	32.8	-	35.7	36.4	26.9	255.9		
259.2	-	-	-	-	-	-	37.8	35.2	26.5	-	-	-	31.4	31.7	-	34.6	35.3	26.8	259.2		
269.0	-	-	-	-	-	-	34.6	34.2	-	-	-	-	28.4	-	-	31.3	32.2	26.5	269.0		
272.3	-	-	-	-	-	-	33.6	33.4	-	-	-	-	-	-	-	30.4	31.2	26.2	272.3		
282.2	-	-	-	-	-	-	30.6	31.1	-	-	-	-	-	-	-	27.6	28.2	-	282.2		
288.7	-	-	-	-	-	-	28.9	-	-	-	-	-	-	-	-	25.8	26.5	-	288.7		
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.0	24.7	-	295.3		
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	-	-	308.4		



39.4-118.1 ft				27.6 ft				32.2 ft/s				360°				75%	
				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					
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	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°			75%	
			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				
ft			1,000 lb									ft			ft	
42.7	319.7	-	-	348.3	-	-	-	-	-	-	-	350.5	-	-	42.7	42.7
45.9	310.9	275.6	-	337.3	249.1	-	-	-	-	-	-	341.7	249.1	-	45.9	45.9
52.5	293.2	262.4	178.6	317.5	235.9	-	-	-	-	-	-	319.7	238.1	-	52.5	52.5
55.8	285.5	255.7	175.3	303.1	230.4	177.5	-	-	-	-	-	302.0	232.6	-	55.8	55.8
59.1	277.8	249.1	172.0	288.8	224.9	174.2	-	-	-	-	-	284.4	227.1	-	59.1	59.1
62.3	266.8	243.6	169.2	274.5	221.0	170.3	136.7	-	-	-	-	269.0	222.7	-	62.3	62.3
65.6	255.7	238.1	166.4	260.1	217.2	166.4	133.4	-	-	-	-	253.5	218.3	-	65.6	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	259.2
262.5	19.7	-	-	22.9	-	24.4	25.0	26.0	28.1	29.1	27.2	20.0	-	-	262.5	262.5
265.7	18.7	-	-	22.0	-	23.3	24.0	-	27.1	28.0	27.1	19.0	-	-	265.7	265.7
269.0	-	-	-	-	-	22.3	22.9	-	26.0	26.9	26.9	18.1	-	-	269.0	269.0
272.3	-	-	-	-	-	21.3	22.0	-	25.0	25.9	26.3	17.2	-	-	272.3	272.3
282.2	-	-	-	-	-	18.5	19.2	-	22.0	22.9	24.5	-	-	-	282.2	282.2
292.0	-	-	-	-	-	16.0	16.5	-	19.4	20.3	21.6	-	-	-	292.0	292.0
295.3	-	-	-	-	-	15.2	-	-	18.5	19.4	20.7	-	-	-	295.3	295.3
301.8	-	-	-	-	-	13.7	-	-	17.0	17.7	19.0	-	-	-	301.8	301.8
308.4	-	-	-	-	-	-	-	-	15.4	16.1	-	-	-	-	308.4	308.4
321.5	-	-	-	-	-	-	-	-	12.6	13.0	-	-	-	-	321.5	321.5
328.1	-	-	-	-	-	-	-	-	11.1	11.7	-	-	-	-	328.1	328.1
334.6	-	-	-	-	-	-	-	-	9.7	-	-	-	-	-	334.6	334.6
341.2	-	-	-	-	-	-	-	-	8.6	-	-	-	-	-	341.2	341.2

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°	75%
			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°	
			ft	1,000 lb			ft
42.7	302.0	-	-	339.5	-	-	42.7
45.9	297.6	273.4	-	332.9	251.3	-	45.9
49.2	294.3	271.2	-	323.0	245.8	-	49.2
52.5	291.0	269.0	179.7	313.1	240.3	-	52.5
55.8	283.3	265.7	176.9	296.5	234.8	177.5	55.8
59.1	275.6	262.4	174.2	280.0	229.3	174.2	59.1
62.3	262.4	256.8	171.4	264.6	224.9	172.0	62.3
65.6	249.1	251.3	168.7	249.1	220.5	169.8	65.6
68.9	237.0	239.2	165.9	237.0	216.1	166.4	68.9
72.2	224.9	227.1	163.1	224.9	211.6	163.1	72.2
75.5	215.0	217.2	160.9	215.5	207.8	159.3	75.5
78.7	205.0	207.2	158.7	206.1	203.9	155.4	78.7
85.3	187.4	188.5	154.3	187.4	189.6	148.8	85.3
91.9	170.9	173.1	149.9	172.0	174.2	143.3	91.9
98.4	157.6	158.7	146.6	158.7	159.8	137.8	98.4
111.5	133.4	134.5	136.7	133.4	134.5	127.9	111.5
124.7	111.3	112.4	113.5	111.3	112.4	117.9	124.7
137.8	93.9	94.8	96.6	94.6	95.5	101.0	137.8
150.9	80.0	80.7	82.2	80.7	81.4	86.4	150.9
164.0	67.7	68.6	70.1	68.3	69.2	74.7	164.0
177.2	57.5	58.2	59.5	58.2	58.9	64.4	177.2
190.3	48.7	49.4	50.5	49.6	50.0	55.3	190.3
203.4	41.4	41.9	42.8	42.1	42.5	47.6	203.4
216.5	34.8	35.5	36.2	35.7	36.2	40.8	216.5
229.7	29.3	29.8	30.4	30.0	30.4	35.1	229.7
239.5	25.7	26.0	26.7	26.3	26.8	31.1	239.5
242.8	24.5	24.7	-	25.1	25.6	29.8	242.8
255.9	20.1	20.5	-	20.7	21.2	25.1	255.9
265.7	17.3	17.5	-	17.9	18.1	21.9	265.7
269.0	16.3	16.5	-	17.0	-	20.9	269.0
275.6	14.6	-	-	15.4	-	19.2	275.6
282.2	13.0	-	-	13.7	-	17.4	282.2
292.0	-	-	-	-	14.8	15.4	292.0
295.3	-	-	-	-	13.9	14.6	295.3
308.4	-	-	-	-	11.0	11.5	308.4
315.0	-	-	-	-	9.7	-	315.0
321.5	-	-	-	-	8.4	-	321.5
334.6	-	-	-	-	-	8.6	334.6
337.9	-	-	-	-	-	7.9	337.9
341.2	-	-	-	-	-	7.7	341.2
			99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb
			0 lb		66,100 lb	110,200 lb	

			39.4-118.1 ft			27.6 ft			32.2 ft/s			360°			75%		
			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					
ft			1,000 lb									ft			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		

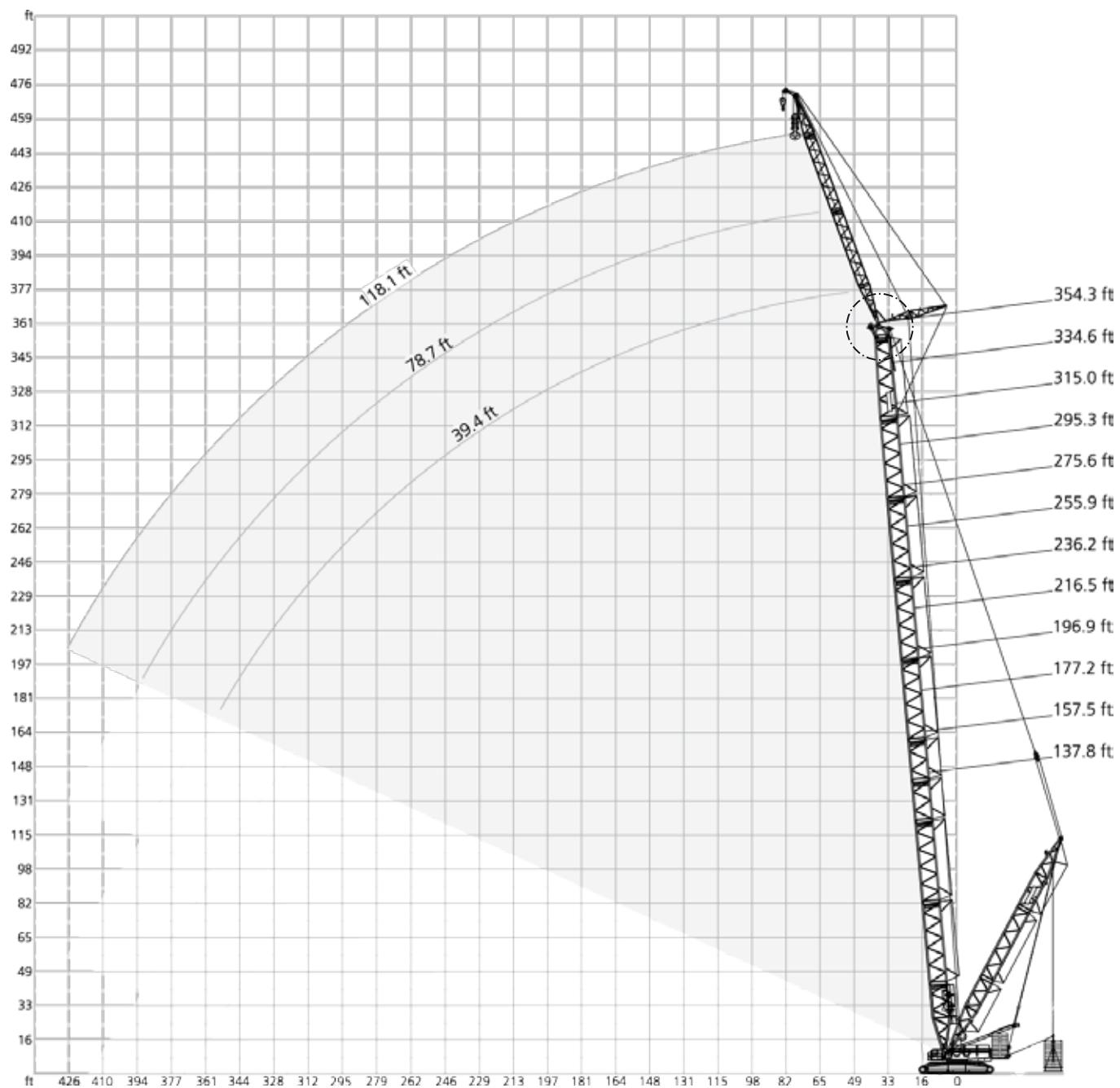
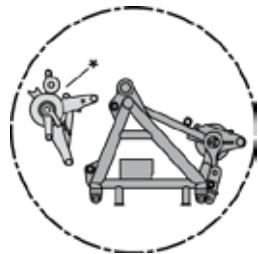
			39.4-118.1 ft			27.6 ft			32.2 ft/s			360°			75%	
			315.0 ft						324.8 ft							
			LH+LF_1			LH+LF_3			LH+LF_1			LH+LF_3				
			39.4 ft			78.7 ft			118.1 ft			39.4 ft				
ft			1,000 lb												ft	
45.9	246.9	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	243.6	224.9	-	271.2	251.3	-	-	-	-	-	-	-	-	260.1	-	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°			75%	
			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				
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°	75%
				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	39.4 ft	
ft				1,000 lb				ft
49.2	212.7	-	-	231.5	-	-	-	49.2
52.5	210.5	194.0	-	229.3	222.7	-	-	52.5
55.8	207.8	191.3	-	227.1	221.0	-	-	55.8
59.1	205.0	188.5	157.6	224.9	219.4	-	-	59.1
62.3	202.3	186.3	156.0	219.9	217.2	129.0	-	62.3
65.6	199.5	184.1	154.3	215.0	215.0	126.8	-	65.6
68.9	196.8	181.3	152.1	203.9	205.6	124.6	109.1	68.9
72.2	194.0	178.6	149.9	192.9	196.2	122.4	107.6	72.2
78.7	175.3	173.1	145.5	175.3	177.5	119.0	104.5	78.7
82.0	167.0	167.0	143.9	167.0	169.2	117.4	103.1	82.0
85.3	158.7	160.9	142.2	158.7	160.9	115.7	101.6	85.3
91.9	145.5	147.7	137.8	145.5	146.6	111.3	98.8	91.9
98.4	132.3	134.5	134.5	132.3	134.5	108.5	95.9	98.4
111.5	111.3	113.5	116.8	111.3	113.5	101.6	90.6	111.5
124.7	95.0	96.3	99.2	94.6	96.1	95.2	85.3	124.7
137.8	80.7	82.0	84.4	80.5	81.8	84.4	80.7	137.8
150.9	67.0	68.3	70.5	66.8	68.1	72.3	74.5	150.9
164.0	54.5	55.8	57.8	54.2	55.3	61.9	64.2	164.0
177.2	44.1	45.2	47.0	43.9	45.0	52.7	54.7	177.2
190.3	35.3	36.2	37.9	35.1	35.9	43.7	45.4	190.3
203.4	27.8	28.7	30.0	27.3	28.2	35.7	37.3	203.4
216.5	21.2	21.8	23.1	20.9	21.6	28.7	30.2	216.5
229.7	15.4	16.1	17.2	15.2	15.9	22.7	24.0	229.7
236.2	12.9	13.6	14.6	12.7	13.2	20.1	21.4	236.2
239.5	11.6	12.3	13.2	11.4	11.9	18.7	20.1	239.5
242.8	10.4	11.0	11.9	10.1	10.6	17.4	18.7	242.8
249.3	8.2	8.6	9.6	7.7	8.4	14.9	16.2	249.3
252.6	-	-	8.4	-	-	13.7	15.0	252.6
255.9	-	-	-	-	-	12.6	13.9	255.9
269.0	-	-	-	-	-	8.4	9.5	269.0
272.3	-	-	-	-	-	-	10.2	272.3
278.9	-	-	-	-	-	-	8.2	278.9
				99,200 lb	187,400 lb	275,600 lb	363,800 lb	408,000 lb
				0 lb		66,100 lb	110,200 lb	



* Attachable

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°	75%
		137.8 ft		SSL+LF_1			
		39.4 ft		78.7 ft		118.1 ft	
ft	1,000 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb
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	-
52.5	282.2	282.2	227.1	227.1	155.4	155.4	-
55.8	272.3	272.3	219.9	219.9	151.6	151.6	-
59.1	262.4	262.4	212.7	212.7	147.7	147.7	-
62.3	252.4	252.4	206.7	206.7	144.4	144.4	-
65.6	242.5	242.5	200.6	200.6	141.1	141.1	-
72.2	227.1	227.1	189.6	189.6	135.6	135.6	-
78.7	213.8	213.8	179.7	179.7	130.1	130.1	-
85.3	201.7	201.7	170.9	170.9	124.6	124.6	-
88.6	196.2	196.2	166.4	166.4	122.4	122.4	-
91.9	190.7	190.7	162.0	162.0	120.2	120.2	-
98.4	173.1	181.9	155.4	155.4	116.8	116.8	-
111.5	146.6	165.7	140.7	143.7	110.4	110.4	-
124.7	124.4	152.1	124.6	133.7	104.9	104.9	-
137.8	106.5	141.1	106.9	125.7	100.5	100.5	-
144.4	100.0	137.1	100.4	122.7	94.6	98.8	-
150.9	93.5	133.0	93.8	119.8	-	-	-
157.5	87.1	129.0	87.3	116.8	-	-	-
164.0	81.8	125.7	-	-	-	-	-
177.2	-	-	-	-	63.9	63.9	-
180.4	-	-	-	-	63.1	63.1	-
190.3	-	-	-	-	60.7	60.7	-
196.9	-	-	-	-	59.1	59.1	-
203.4	-	-	-	-	58.0	58.0	-
216.5	-	-	-	-	-	-	-
219.8	-	-	-	-	-	-	-
229.7	-	-	-	-	-	-	-
236.2	-	-	-	-	-	-	-
239.5	-	-	-	-	-	-	-

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  584,300 lb
  716,600 lb

363,800 lb + 110,200 lb

27.6 ft **32.2 ft/s** **360°** **75%**

ft	1,000 lb							
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
59.1	273.4	273.4	220.5	220.5	151.0	151.0	158.7	158.7
62.3	264.6	264.6	214.4	214.4	147.7	147.7	153.2	153.2
65.6	255.7	255.7	208.3	208.3	144.4	144.4	147.7	147.7
68.9	248.0	248.0	202.8	202.8	141.6	141.6	142.7	142.7
72.2	240.3	240.3	197.3	197.3	138.9	138.9	137.8	137.8
78.7	224.9	224.9	187.4	187.4	133.4	133.4	129.0	129.0
85.3	209.4	213.8	178.6	178.6	129.0	129.0	121.3	121.3
91.9	188.5	202.8	170.9	170.9	124.6	124.6	114.6	114.6
98.4	169.8	192.9	163.1	163.1	120.2	120.2	109.3	109.3
111.5	143.3	176.7	141.8	151.4	113.5	113.5	99.5	99.5
124.7	121.2	162.8	122.1	141.1	108.0	108.0	90.8	90.8
137.8	103.4	151.0	104.1	132.3	103.6	103.6	83.3	83.3
150.9	90.3	141.5	90.8	125.7	91.1	100.2	77.5	77.5
157.5	83.8	136.7	84.2	122.4	84.9	98.5	74.5	74.5
164.0	78.9	133.4	79.1	119.7	-	-	72.2	72.2
173.9	71.5	128.4	71.4	115.7	-	-	68.8	68.8
177.2	69.0	126.8	-	-	-	-	67.7	67.7
180.4	67.0	125.7	-	-	-	-	66.7	66.8
190.3	-	-	-	-	-	-	63.9	64.2
193.6	-	-	-	-	-	-	62.9	63.3
203.4	-	-	-	-	-	-	58.7	61.1
213.3	-	-	-	-	-	-	53.9	59.1
216.5	-	-	-	-	-	-	52.2	58.4
219.8	-	-	-	-	-	-	50.7	58.0
229.7	-	-	-	-	-	-	-	-
232.9	-	-	-	-	-	-	-	-
242.8	-	-	-	-	-	-	-	-
249.3	-	-	-	-	-	-	-	-
255.9	-	-	-	-	-	-	-	-

0 lb **143,300 lb** **275,600 lb** **363,800 lb** **452,000 lb** **584,300 lb** **716,600 lb**

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		177.2 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb
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
65.6	266.8	266.8	216.1	216.1	147.7	147.7	152.1	152.1	120.2
68.9	259.0	259.0	210.5	210.5	145.0	145.0	147.2	147.2	116.8
72.2	251.3	251.3	205.0	205.0	142.2	142.2	142.2	142.2	113.5
75.5	241.4	244.7	200.1	200.1	139.4	139.4	137.8	137.8	111.1
78.7	231.5	238.1	195.1	195.1	136.7	136.7	133.4	133.4	108.7
85.3	207.2	224.9	186.3	186.3	132.3	132.3	126.8	126.8	103.4
91.9	185.2	213.8	178.6	178.6	127.9	127.9	120.2	120.2	98.5
98.4	167.6	203.9	168.7	170.9	124.6	124.6	113.5	113.5	94.1
111.5	141.1	187.0	142.2	159.1	117.9	117.9	103.8	103.8	86.8
124.7	118.8	172.3	119.8	148.4	110.6	112.1	95.2	95.2	80.2
137.8	100.8	159.8	101.4	138.9	102.5	106.9	87.5	87.5	74.5
150.9	87.5	150.3	88.2	131.5	89.0	103.1	81.6	81.6	70.1
164.0	76.0	141.8	76.6	125.3	76.9	99.9	76.3	76.3	66.1
170.6	71.1	138.2	71.6	122.7	71.7	98.5	73.9	73.9	64.2
177.2	66.1	134.5	66.6	120.2	-	-	71.4	71.4	62.4
190.3	57.9	128.6	58.0	115.7	-	-	63.5	67.6	59.5
196.9	53.8	125.7	-	-	-	-	59.5	65.7	58.0
203.4	-	-	-	-	-	-	56.1	64.2	55.3
210.0	-	-	-	-	-	-	52.6	62.8	52.5
216.5	-	-	-	-	-	-	49.2	61.3	49.8
229.7	-	-	-	-	-	-	43.6	58.9	43.9
236.2	-	-	-	-	-	-	40.8	57.8	44.6
242.8	-	-	-	-	-	-	-	-	37.6
246.1	-	-	-	-	-	-	-	-	37.1
255.9	-	-	-	-	-	-	-	-	35.9
265.7	-	-	-	-	-	-	-	-	33.4
269.0	-	-	-	-	-	-	-	-	32.6
275.6	-	-	-	-	-	-	-	-	30.9

Legend: 0 lb, 143,300 lb, 275,600 lb, 363,800 lb, 452,000 lb, 584,300 lb, 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		196.9 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	lb	0 lb - 716.6							
1,000 lb									
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
65.6	277.8	277.8	220.5	220.5	149.9	149.9	155.4	155.4	122.4
72.2	249.1	262.4	211.6	211.6	144.4	144.4	146.6	146.6	116.8
75.5	237.0	254.6	206.7	206.7	142.2	142.2	142.2	142.2	113.5
78.7	224.9	246.9	201.7	201.7	140.0	140.0	137.8	137.8	110.2
85.3	203.9	235.9	192.9	192.9	135.6	135.6	131.2	131.2	105.8
91.9	183.0	222.7	184.1	185.2	131.2	131.2	124.6	124.6	101.2
95.1	173.6	218.3	175.3	181.3	129.0	129.0	121.3	121.3	99.1
98.4	164.2	213.8	166.4	177.5	126.8	126.8	117.9	117.9	97.0
111.5	137.8	196.9	139.3	165.7	120.2	120.2	108.2	108.2	89.7
124.7	115.5	181.9	116.5	155.1	111.0	114.6	99.5	99.5	83.1
137.8	97.4	168.7	98.1	145.5	99.4	110.0	91.7	91.7	77.4
150.9	84.2	158.4	84.9	137.4	85.9	105.9	85.5	85.5	72.8
164.0	72.4	149.2	73.0	130.4	73.9	102.4	77.7	80.0	68.6
177.2	61.9	141.1	62.4	124.6	63.3	99.4	68.3	75.0	64.8
183.7	57.8	137.8	58.3	122.4	58.6	98.1	64.2	73.0	62.1
190.3	53.7	134.5	54.2	120.2	-	-	60.0	71.0	59.4
203.4	46.4	129.0	46.5	116.5	-	-	52.3	67.4	53.1
206.7	44.8	127.9	44.8	115.7	-	-	50.6	66.6	51.4
216.5	39.9	124.6	-	-	-	-	45.4	64.2	46.1
223.1	-	-	-	-	-	-	42.6	62.8	43.2
229.7	-	-	-	-	-	-	39.8	61.5	40.3
242.8	-	-	-	-	-	-	34.7	59.2	35.0
246.1	-	-	-	-	-	-	33.5	58.7	33.7
252.6	-	-	-	-	-	-	31.1	57.8	-
255.9	-	-	-	-	-	-	-	-	-
262.5	-	-	-	-	-	-	-	-	-
269.0	-	-	-	-	-	-	-	-	-
282.2	-	-	-	-	-	-	-	-	-
292.0	-	-	-	-	-	-	-	-	-
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb	

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		216.5 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	lb	0 lb - 716.6							
1,000 lb									
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
65.6	266.8	286.6	227.1	227.1	152.1	152.1	159.8	159.8	124.6
68.9	253.5	278.9	222.1	222.1	149.9	149.9	154.9	154.9	121.3
72.2	240.3	271.2	217.2	217.2	147.7	147.7	149.9	149.9	117.9
75.5	229.3	264.6	212.2	212.2	145.0	145.0	146.1	146.1	115.2
78.7	218.3	257.9	207.2	207.2	142.2	142.2	142.2	142.2	112.4
85.3	198.4	244.7	199.5	199.5	137.8	137.8	134.5	134.5	108.2
91.9	180.8	233.7	183.0	190.7	133.4	133.4	127.9	127.9	103.6
98.4	163.1	222.7	164.2	184.1	130.1	130.1	122.4	122.4	99.4
111.5	136.0	205.8	137.1	171.6	123.5	123.5	112.4	112.4	92.2
124.7	113.4	190.7	114.4	160.6	112.7	117.6	103.4	103.4	85.8
137.8	95.5	177.5	96.3	151.0	97.9	112.4	95.5	95.5	80.0
150.9	82.2	166.4	83.0	142.9	84.2	108.5	86.5	89.1	75.3
164.0	70.3	156.5	70.9	136.0	71.9	104.9	76.9	83.5	71.1
177.2	59.5	147.7	60.2	130.1	61.1	101.6	66.6	78.5	67.2
190.3	51.3	141.1	51.8	124.9	52.5	99.1	57.9	74.2	58.9
200.1	45.5	136.5	46.0	121.4	46.5	97.4	51.8	71.2	52.9
203.4	43.9	135.2	44.3	120.5	-	-	50.1	70.4	51.1
216.5	37.3	130.1	37.7	116.8	-	-	43.2	67.0	44.1
223.1	34.6	127.9	34.8	114.6	-	-	40.3	65.6	41.2
229.7	32.0	125.7	-	-	-	-	37.5	64.2	38.2
232.9	30.6	124.6	-	-	-	-	36.0	63.5	36.7
236.2	-	-	-	-	-	-	34.6	62.8	35.3
242.8	-	-	-	-	-	-	32.3	61.7	32.8
255.9	-	-	-	-	-	-	27.6	59.5	28.0
262.5	-	-	-	-	-	-	25.6	58.6	26.0
269.0	-	-	-	-	-	-	23.6	57.8	-
275.6	-	-	-	-	-	-	-	-	25.1
282.2	-	-	-	-	-	-	-	-	23.4
295.3	-	-	-	-	-	-	-	-	19.8
298.6	-	-	-	-	-	-	-	-	19.1
308.4	-	-	-	-	-	-	-	-	16.8
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb	

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		236.2 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	1,000 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb
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
65.6	257.9	295.4	231.5	231.5	154.3	154.3	163.1	163.1	125.7
68.9	244.7	287.7	227.1	227.1	151.6	151.6	158.7	158.7	122.9
72.2	231.5	280.0	222.7	222.7	148.8	148.8	154.3	154.3	120.2
75.5	220.5	273.4	217.2	217.2	146.6	146.6	149.9	149.9	117.4
78.7	209.4	266.8	211.6	212.7	144.4	144.4	145.5	145.5	114.6
85.3	190.7	253.5	192.9	205.0	140.0	140.0	138.9	138.9	110.2
91.9	174.2	242.5	175.3	196.2	136.7	136.7	132.3	132.3	105.8
98.4	158.7	231.5	160.9	189.6	132.3	132.3	125.7	125.7	101.6
111.5	132.3	213.8	133.7	177.1	125.7	125.7	115.4	115.4	94.6
124.7	110.1	198.4	111.1	166.1	113.2	119.8	106.6	106.6	88.2
137.8	92.2	185.2	93.0	156.5	94.8	114.6	99.2	99.2	82.5
150.9	78.3	174.2	79.2	148.4	80.8	110.8	85.8	92.7	77.7
164.0	66.1	164.2	66.9	141.1	68.3	107.2	73.8	86.9	71.7
177.2	55.6	155.4	56.2	134.5	57.3	103.8	63.1	81.8	64.4
190.3	47.2	148.1	47.7	129.3	48.6	101.0	54.4	77.4	55.6
203.4	39.7	141.5	40.1	124.6	40.9	98.7	46.5	73.4	47.6
213.3	34.7	137.1	35.2	121.3	35.7	97.2	41.2	70.8	42.3
216.5	33.1	135.6	33.5	120.2	-	-	39.5	69.9	40.6
229.7	27.6	130.4	28.1	117.2	-	-	33.7	66.8	34.7
239.5	23.8	127.0	24.0	114.6	-	-	29.7	64.7	30.5
242.8	22.7	126.2	-	-	-	-	28.5	64.1	29.3
249.3	20.5	124.6	-	-	-	-	26.2	62.9	26.9
252.6	-	-	-	-	-	-	25.0	62.3	25.7
255.9	-	-	-	-	-	-	23.8	61.7	24.5
269.0	-	-	-	-	-	-	19.7	59.7	20.4
278.9	-	-	-	-	-	-	16.8	58.3	17.2
282.2	-	-	-	-	-	-	16.0	58.0	-
288.7	-	-	-	-	-	-	14.3	57.3	-
295.3	-	-	-	-	-	-	-	-	-
308.4	-	-	-	-	-	-	-	-	-
315.0	-	-	-	-	-	-	-	-	-
321.5	-	-	-	-	-	-	-	-	-
324.8	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		255.9 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	1,000 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 lb	0 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
72.2	224.9	288.8	227.1	227.1	151.0	151.0	157.6	157.6	122.4
78.7	202.8	273.4	205.0	218.3	146.6	146.6	148.8	148.8	116.8
82.0	194.0	267.9	195.7	213.8	144.4	144.4	145.5	145.5	114.6
85.3	185.2	262.4	186.3	209.4	142.2	142.2	142.2	142.2	112.4
91.9	168.7	249.1	170.9	201.7	138.9	138.9	135.6	135.6	107.8
98.4	154.3	240.3	156.5	195.1	134.5	134.5	129.0	129.0	103.8
101.7	148.3	235.9	150.3	192.0	132.3	133.0	126.6	126.6	102.1
111.5	130.1	222.7	131.5	182.6	125.7	128.6	119.4	119.4	96.8
124.7	108.9	206.5	109.9	171.2	112.0	122.7	109.2	110.6	90.4
137.8	90.8	191.8	91.7	160.9	93.5	116.8	98.3	102.5	84.7
150.9	76.9	180.8	77.7	152.9	79.4	113.2	84.7	96.0	80.0
164.0	64.5	170.5	65.3	145.5	66.8	109.6	72.3	90.2	72.7
177.2	53.8	160.9	54.5	138.9	55.8	106.0	61.3	84.9	62.8
190.3	45.4	153.6	45.9	133.7	47.1	103.1	52.6	80.5	54.0
203.4	37.8	147.0	38.4	128.6	39.3	100.5	44.8	76.4	46.0
216.5	31.1	141.1	31.7	123.5	32.4	98.3	37.7	72.5	38.8
226.4	27.1	136.7	27.6	121.3	28.0	97.0	33.4	70.2	34.4
229.7	25.8	135.2	26.2	120.5	-	-	32.0	69.4	32.9
242.8	20.9	130.4	21.2	117.6	-	-	26.7	66.6	27.6
255.9	16.3	126.8	16.8	114.6	-	-	22.0	63.9	22.7
265.7	13.4	124.6	-	-	-	-	19.0	62.3	19.6
269.0	-	-	-	-	-	-	17.9	61.7	18.6
282.2	-	-	-	-	-	-	14.2	59.8	14.8
295.3	-	-	-	-	-	-	10.8	58.2	10.6
305.1	-	-	-	-	-	-	8.6	57.1	-
308.4	-	-	-	-	-	-	-	-	11.5
321.5	-	-	-	-	-	-	-	-	8.5
324.8	-	-	-	-	-	-	-	-	7.7
331.4	-	-	-	-	-	-	-	-	34.4
334.6	-	-	-	-	-	-	-	-	34.2
341.2	-	-	-	-	-	-	-	-	33.7

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb
  452,000 lb
  584,300 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				
ft	klb	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	0 lb - 716.6	
15°		15°	20°	30°	15°	20°	30°	15°	20°	30°
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	-	-	-	-	-	-	-	-	-	-
347.8	-	-	-	-	-	-	-	-	-	-
357.6	-	-	-	-	-	-	-	-	-	-
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb		

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
		295.3 ft		SSL+LF_1						
		39.4 ft		78.7 ft		118.1 ft				
ft	lb	0 lb 716.6								
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	
72.2	207.2	302.0	209.4	235.9	154.3	154.3	163.1	163.1	124.6	
75.5	197.3	295.4	199.5	231.5	152.1	152.1	159.3	159.3	122.4	
78.7	187.4	288.8	189.6	227.1	149.9	149.9	155.4	155.4	120.2	
82.0	178.6	282.2	180.8	222.7	147.7	147.7	151.6	151.6	117.9	
85.3	169.8	275.6	172.0	218.3	145.5	145.5	147.7	147.7	115.7	
91.9	154.3	264.6	156.5	210.5	142.2	142.2	142.2	142.2	111.3	
98.4	141.1	253.5	143.3	203.9	138.9	138.9	135.6	135.6	107.6	
105.0	130.5	244.7	132.3	197.7	130.4	135.6	127.9	130.4	104.1	
111.5	119.9	235.9	121.3	191.4	122.0	132.3	120.2	125.3	100.7	
124.7	100.9	220.1	101.9	180.4	104.9	126.4	104.9	116.4	94.4	
137.8	84.0	206.1	85.3	170.9	87.7	121.3	89.7	108.9	88.6	
150.9	69.6	194.4	70.8	162.8	72.9	116.8	77.7	102.3	78.6	
164.0	57.0	183.7	58.1	155.1	59.9	113.1	66.0	96.2	68.0	
177.2	46.1	174.2	47.2	147.7	48.7	110.0	54.7	90.6	56.7	
190.3	37.7	166.1	38.5	141.8	39.9	106.9	45.9	86.1	47.5	
203.4	30.1	158.4	30.8	136.3	32.0	104.1	37.9	81.8	39.4	
216.5	23.4	151.0	24.0	131.2	25.1	101.4	30.9	77.8	32.2	
229.7	17.9	145.1	18.4	127.5	19.4	99.4	25.1	74.4	26.3	
242.8	12.9	140.0	13.4	123.9	14.2	97.6	19.8	71.4	20.9	
255.9	8.4	135.6	8.8	120.2	9.5	96.1	15.0	68.6	15.9	
269.0	-	131.2	-	117.2	-	-	10.9	66.1	11.6	
278.9	-	128.2	-	115.2	-	-	7.9	64.4	8.6	
282.2	-	127.5	-	114.6	-	-	-	63.8	-	
285.4	-	126.8	-	114.1	-	-	-	63.3	-	
288.7	-	126.0	-	113.5	-	-	-	62.8	-	
295.3	-	124.6	-	-	-	-	-	61.7	-	
298.6	-	123.5	-	-	-	-	-	61.3	-	
305.1	-	-	-	-	-	-	-	60.5	-	
308.4	-	-	-	-	-	-	-	60.1	-	
321.5	-	-	-	-	-	-	-	58.6	-	
328.1	-	-	-	-	-	-	-	57.8	-	
331.4	-	-	-	-	-	-	-	57.5	-	
334.6	-	-	-	-	-	-	-	57.1	-	
337.9	-	-	-	-	-	-	-	56.9	-	
347.8	-	-	-	-	-	-	-	-	-	
360.9	-	-	-	-	-	-	-	-	-	
364.2	-	-	-	-	-	-	-	-	-	
374.0	-	-	-	-	-	-	-	-	-	
377.3	-	-	-	-	-	-	-	-	-	
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb		

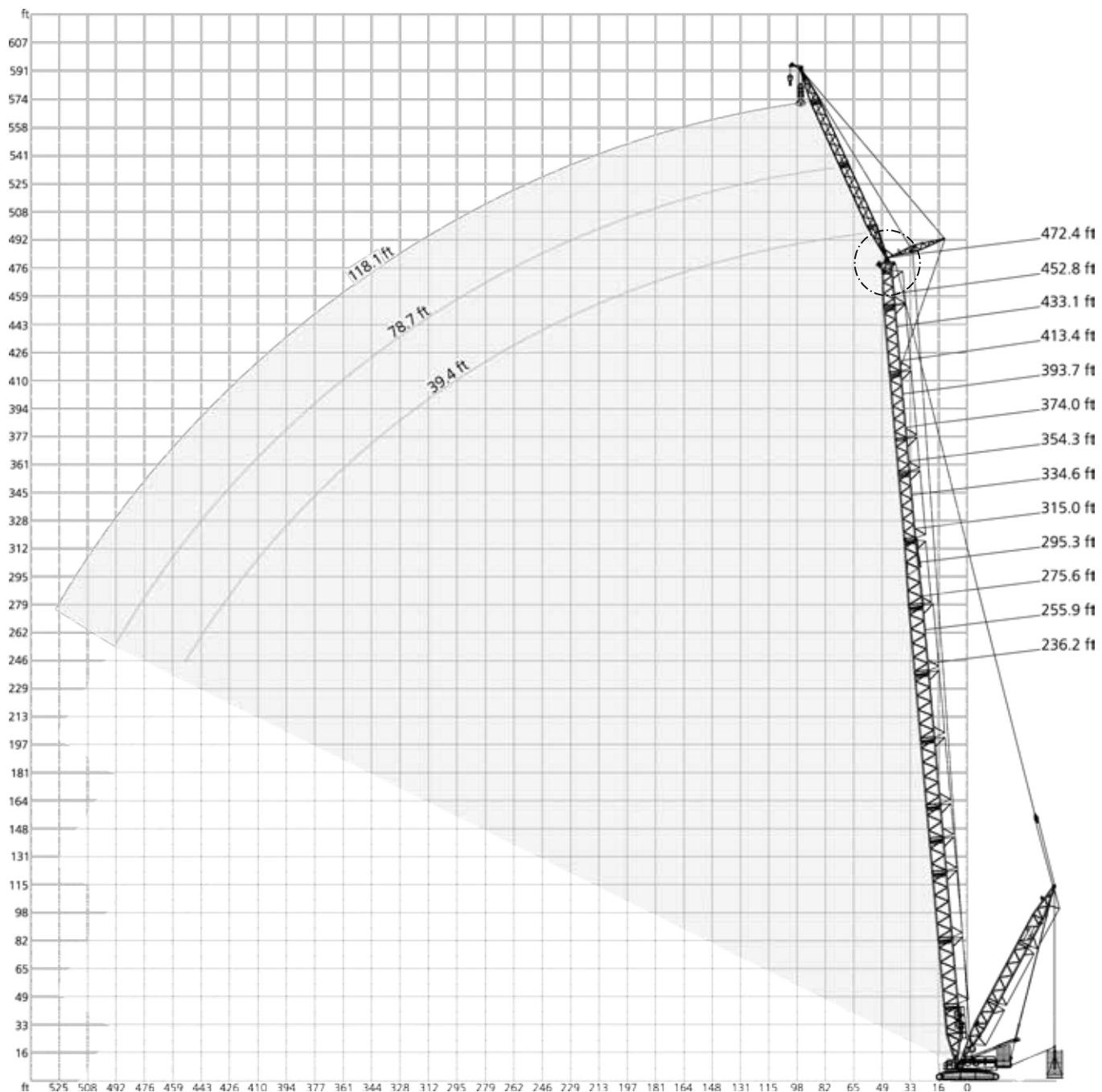
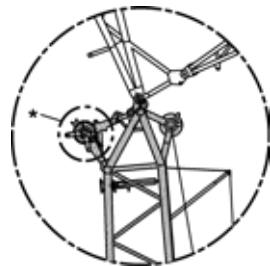
363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		315.0 ft		SSL+LF_1					
		39.4 ft		78.7 ft		118.1 ft			
ft	1,000 lb	0 lb - 716.6 klb							
49.2	297.6	368.2	-	-	-	-	-	-	-
52.5	280.0	359.4	269.0	269.0	-	-	-	-	-
59.1	246.9	341.7	251.3	257.9	164.2	164.2	-	-	-
62.3	233.7	332.9	238.1	252.4	162.0	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	85.9
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	-	-	-	-	-	-	-	53.4	-
344.5	-	-	-	-	-	-	-	58.6	-
347.8	-	-	-	-	-	-	-	57.8	-
354.3	-	-	-	-	-	-	-	56.9	-
360.9	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-
380.6	-	-	-	-	-	-	-	-	-
387.1	-	-	-	-	-	-	-	-	-
393.7	-	-	-	-	-	-	-	-	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
		334.6 ft		SSL+LF_1						
		39.4 ft		78.7 ft		118.1 ft				
ft	lb	0 lb - 716.6								
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	
78.7	172.0	302.0	174.2	233.7	152.1	152.1	158.7	159.8	122.4	
85.3	155.4	288.8	157.6	224.9	148.8	148.8	153.2	153.2	117.9	
88.6	148.3	283.3	150.5	221.6	147.2	147.2	148.8	149.9	115.7	
91.9	141.1	277.8	143.3	218.3	145.5	145.5	144.4	146.6	113.5	
98.4	127.9	266.8	130.1	211.6	134.5	142.2	132.3	141.1	110.2	
108.3	112.7	253.5	114.6	202.8	118.5	137.2	117.3	133.9	105.4	
111.5	107.6	249.1	109.5	199.9	113.2	135.6	112.3	131.5	103.8	
124.7	89.8	233.0	91.5	188.9	94.6	130.1	94.7	122.4	94.4	
137.8	74.5	218.3	76.1	178.6	78.7	125.7	79.6	113.5	82.2	
150.9	61.4	206.5	62.8	170.5	65.3	121.3	67.7	107.5	70.2	
164.0	49.5	195.5	50.7	162.8	53.0	117.2	57.0	101.6	59.3	
177.2	38.6	185.2	39.7	155.4	41.7	113.5	47.6	95.9	49.6	
190.3	30.1	177.1	31.0	149.5	32.7	110.3	38.9	91.2	40.9	
203.4	22.3	169.4	23.2	144.0	24.7	107.4	31.0	86.8	32.9	
216.5	15.4	162.0	16.3	138.9	17.6	104.7	23.8	82.7	25.6	
229.7	9.8	155.9	10.6	134.5	11.8	102.4	17.9	79.1	19.5	
232.9	8.4	154.3	9.1	133.4	10.3	101.9	16.5	78.3	18.0	
236.2	-	152.1	7.7	132.3	8.8	101.2	15.0	77.4	16.5	
242.8	-	149.5	-	130.1	-	100.2	12.5	75.9	14.0	
252.6	-	145.7	-	126.8	-	98.8	8.8	73.7	10.1	
255.9	-	144.4	-	125.7	-	98.3	-	73.0	8.8	
259.2	-	143.3	-	124.9	-	98.0	-	72.3	7.7	
262.5	-	142.2	-	124.2	-	97.6	-	71.7	-	
269.0	-	140.0	-	122.7	-	96.9	-	70.3	-	
272.3	-	138.9	-	122.0	-	96.5	-	69.7	-	
275.6	-	137.8	-	121.3	-	96.1	-	69.0	-	
282.2	-	135.6	-	119.8	-	95.5	-	67.8	-	
285.4	-	134.5	-	119.0	-	95.2	-	67.2	-	
295.3	-	131.2	-	116.8	-	-	-	65.5	-	
308.4	-	127.5	-	114.6	-	-	-	63.6	-	
321.5	-	121.3	-	113.5	-	-	-	61.8	-	
324.8	-	119.0	-	96.3	-	-	-	61.4	-	
334.6	-	112.4	-	-	-	-	-	60.2	-	
347.8	-	-	-	-	-	-	-	58.7	-	
360.9	-	-	-	-	-	-	-	57.5	-	
370.7	-	-	-	-	-	-	-	56.7	-	
374.0	-	-	-	-	-	-	-	-	-	
387.1	-	-	-	-	-	-	-	-	-	
397.0	-	-	-	-	-	-	-	-	-	
400.3	-	-	-	-	-	-	-	-	-	
410.1	-	-	-	-	-	-	-	-	-	
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	584,300 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					
ft	lb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb	0 lb - 716.6 klb
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	104.3
91.9	133.4	284.4	135.6	222.7	141.1	146.6	137.8	149.9	115.7	115.7	97.4
98.4	121.3	273.4	123.5	215.0	127.9	143.3	125.7	143.3	111.3	111.3	93.9
108.3	106.4	260.1	108.4	206.1	112.2	138.9	111.1	136.1	105.6	106.7	89.4
111.5	101.4	255.7	103.3	203.2	107.0	137.4	106.3	133.7	103.7	105.2	87.9
124.7	83.9	239.6	85.6	192.5	88.8	131.9	89.1	124.9	92.3	99.4	82.3
137.8	68.8	224.9	70.3	183.0	73.2	126.8	74.1	116.8	77.2	93.9	75.8
150.9	56.9	212.4	58.3	174.2	61.0	122.4	62.5	110.2	65.3	89.2	73.4
164.0	45.4	201.0	46.7	166.1	49.2	118.3	52.0	104.1	54.5	84.9	73.9
177.2	34.4	190.7	35.7	158.7	37.7	114.6	42.8	98.5	45.0	80.9	69.2
190.3	25.9	181.9	26.9	152.9	28.9	111.7	35.0	93.7	37.0	77.4	69.6
203.4	18.2	173.8	19.0	147.3	20.9	108.9	27.4	89.2	29.3	74.1	64.5
216.5	11.2	166.4	12.1	142.2	13.7	106.3	20.1	85.1	21.8	71.2	58.5
223.1	8.4	163.6	9.0	140.0	10.6	105.0	17.1	83.3	18.8	69.9	55.9
226.4	-	161.8	-	138.9	9.0	104.4	15.7	82.5	17.3	69.2	52.5
229.7	-	160.1	-	137.8	-	103.7	14.2	81.6	15.8	68.6	47.0
242.8	-	154.0	-	133.4	-	101.6	8.6	78.2	10.1	66.2	42.9
246.1	-	152.7	-	132.3	-	101.1	-	77.4	8.8	65.7	41.6
252.6	-	150.1	-	130.1	-	100.1	-	75.8	-	64.5	39.7
255.9	-	148.8	-	129.0	-	99.6	-	75.0	-	63.9	38.4
259.2	-	147.5	-	128.1	-	99.2	-	74.3	-	63.4	37.3
265.7	-	145.0	-	126.2	-	98.4	-	73.0	-	62.4	36.1
269.0	-	143.7	-	125.3	-	98.0	-	72.3	-	61.9	35.0
275.6	-	141.1	-	123.5	-	97.2	-	71.0	-	60.8	34.0
282.2	-	139.3	-	122.4	-	96.6	-	69.8	-	60.0	33.0
295.3	-	135.6	-	120.2	-	95.2	-	67.5	-	58.4	32.0
301.8	-	130.8	-	118.7	-	92.8	-	66.4	-	57.7	31.0
308.4	-	126.0	-	117.2	-	-	-	65.4	-	57.0	30.0
321.5	-	118.2	-	114.6	-	-	-	63.5	-	55.6	29.0
334.6	-	110.2	-	110.2	-	-	-	61.7	-	54.2	28.0
337.9	-	108.1	-	108.6	-	-	-	61.4	-	54.0	27.0
341.2	-	105.9	-	106.9	-	-	-	61.0	-	53.8	26.0
347.8	-	101.6	-	-	-	-	-	60.3	-	53.3	25.0
351.1	-	99.4	-	-	-	-	-	59.9	-	53.0	24.0
360.9	-	-	-	-	-	-	-	58.9	-	52.3	23.0
374.0	-	-	-	-	-	-	-	57.5	-	51.6	22.0
377.3	-	-	-	-	-	-	-	57.3	-	51.4	21.0
387.1	-	-	-	-	-	-	-	56.7	-	-	20.0
390.4	-	-	-	-	-	-	-	56.4	-	-	19.0
400.3	-	-	-	-	-	-	-	-	-	34.7	-
413.4	-	-	-	-	-	-	-	-	-	34.0	-
426.5	-	-	-	-	-	-	-	-	-	33.3	-

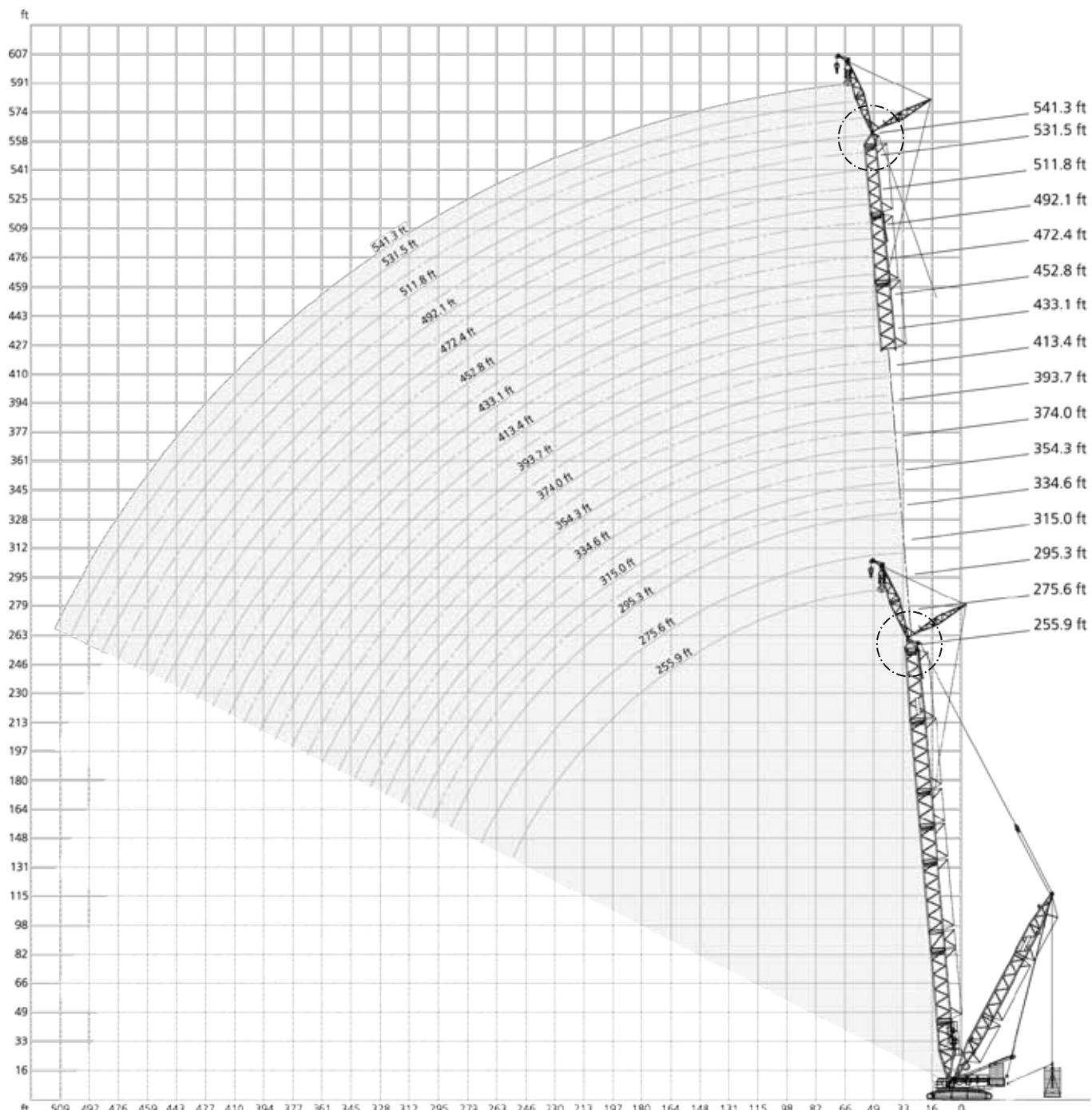
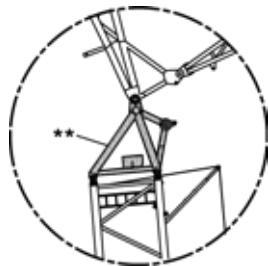
0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb



* Attachable

LSL+LF_3, LSL+LF_4, LSL+LF_6, LSL+LF_8, LSL+LF_10, LSL+LF_12

CC 3800-1



** Option

DEMAG
BY TEREX

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		236.2 ft		255.9 ft		275.6 ft					
		LSL+LF_2		LSL+LF_3		LSL+LF_2		LSL+LF_3			
		39.4 ft		39.4 ft							
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb	
		15°		20°		30°		15°		20°	
		30°		30°		30°		30°		30°	
		15°		20°		30°		15°		20°	
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		15°		20°		30°		15°		20°	
		20°		30°		30°		30°		20°	

		363,800 lb +		110,200 lb				27.6 ft			32.2 ft/s	360°	75%
								295.3 m			305.1 m		
		LSL+LF_2		LSL+LF_3		LSL+LF_6							
		39.4 ft											
		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°	
ft								1,000 lb				ft	
45.9	319.7	379.2	-	-	-	-	-	341.7	-	302.0	346.1	-	45.9
49.2	300.9	373.7	286.6	-	295.4	324.1	271.2	332.9	257.9	283.3	336.2	257.9	49.2
52.5	282.2	368.2	280.0	-	277.8	319.7	266.8	324.1	251.3	264.6	326.3	253.5	52.5
55.8	265.7	358.3	274.5	177.5	262.4	315.3	261.2	316.4	245.8	249.1	318.6	248.0	55.8
59.1	249.1	348.3	269.0	175.3	246.9	310.9	255.7	308.6	240.3	233.7	310.9	242.5	59.1
65.6	222.7	330.7	257.9	169.8	220.5	302.0	246.9	293.2	231.5	208.3	295.4	233.7	65.6
72.2	201.7	315.3	249.1	165.3	200.6	291.0	238.1	280.0	222.7	187.9	283.3	224.9	72.2
78.7	183.0	302.0	238.1	160.9	180.8	280.0	229.3	266.8	215.0	167.6	271.2	216.1	78.7
85.3	166.4	288.8	229.3	156.5	165.3	269.0	220.5	255.7	207.2	152.7	260.1	209.4	85.3
91.9	152.1	277.8	222.7	152.1	149.9	257.9	213.8	244.7	199.5	137.8	249.1	201.7	91.9
98.4	138.9	266.8	216.1	148.8	137.8	249.1	207.2	235.9	192.9	126.2	240.3	195.1	98.4
111.5	118.9	247.7	202.8	142.2	116.6	231.5	194.7	219.9	181.9	105.3	223.2	184.1	111.5
124.7	101.1	231.1	191.1	136.0	99.9	216.1	183.7	206.1	171.6	88.6	208.3	173.8	124.7
137.8	85.5	217.2	180.8	130.1	84.4	202.8	174.2	192.9	162.0	73.9	195.1	164.2	137.8
150.9	71.7	204.7	172.0	125.7	70.8	193.3	166.8	181.9	154.0	61.1	184.8	156.2	150.9
164.0	59.6	193.3	163.9	121.3	58.8	183.7	159.5	172.0	146.6	49.5	175.3	148.8	164.0
177.2	49.2	183.0	156.5	116.8	48.5	174.2	152.1	163.1	140.0	39.0	166.4	142.2	177.2
190.3	41.1	174.9	150.6	113.9	40.4	166.1	146.2	155.8	134.8	30.9	158.4	137.1	190.3
203.4	33.8	167.2	145.1	111.1	33.2	158.7	140.7	148.8	130.1	23.7	151.4	131.9	203.4
216.5	27.3	159.8	140.0	108.5	26.9	152.1	135.6	142.2	125.7	17.2	145.5	126.8	216.5
229.7	22.0	154.0	135.6	106.1	21.6	146.2	131.2	137.1	121.3	12.1	139.6	123.2	229.7
239.5	18.3	149.7	132.5	104.5	17.9	142.0	128.1	133.4	118.5	8.2	135.6	120.3	239.5
242.8	17.2	148.4	131.5	104.1	16.8	140.7	127.1	132.3	117.9	-	134.5	119.4	242.8
255.9	12.8	143.3	127.9	102.5	12.6	135.6	123.5	127.9	114.6	-	130.1	115.7	255.9
269.0	9.3	138.9	124.9	-	8.9	132.3	120.8	124.2	111.7	-	126.4	112.8	269.0
272.3	8.4	137.8	124.2	-	7.9	131.2	120.2	123.3	111.0	-	125.5	112.1	272.3
282.2	-	135.2	122.4	-	-	128.6	117.9	120.9	109.7	-	123.1	110.6	282.2
288.7	-	133.7	121.3	-	-	127.1	116.8	119.4	109.1	-	121.6	109.9	288.7
295.3	-	132.3	-	-	-	125.7	-	117.9	-	-	120.2	109.1	295.3
298.6	-	131.2	-	-	-	125.7	-	117.9	-	-	119.3	101.0	298.6
308.4	-	-	-	-	-	-	-	-	-	-	116.8	-	308.4

 0 lb
  143,300 lb
  209,500 lb
  275,600 lb
  363,800 lb
  452,000 lb
  584,300 lb
  716,600 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%					
		315.0 ft													
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8					
		39.4 ft													
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb					
		15°		20°		30°		15°		20°					
		ft		ft		ft		ft		ft					
		1,000 lb													
45.9	308.6	346.1	-	-	-	-	-	348.3	-	324.1	392.4	-	392.4	-	45.9
49.2	289.9	345.0	291.0	-	284.4	317.5	271.2	-	-	338.4	260.1	304.2	390.2	-	49.2
52.5	271.2	343.9	284.4	-	266.8	315.3	269.0	-	-	328.5	253.5	284.4	388.0	284.4	52.5
55.8	255.7	342.8	278.9	178.6	251.3	312.0	264.6	-	-	320.8	249.1	269.0	378.1	278.9	55.8
59.1	240.3	341.7	273.4	176.4	235.9	308.6	260.1	-	-	313.1	244.7	253.5	368.2	273.4	59.1
65.6	217.2	337.3	262.4	170.9	212.7	302.0	249.1	-	-	297.6	233.7	227.1	352.7	264.6	65.6
72.2	195.1	321.9	251.3	166.4	192.9	292.1	240.3	-	-	285.5	224.9	206.1	337.3	255.7	72.2
78.7	176.4	308.6	242.5	162.0	173.1	282.2	233.7	-	-	273.4	218.3	185.2	321.9	246.9	78.7
85.3	160.9	295.4	233.7	157.6	158.2	272.3	224.9	-	-	262.4	210.5	169.2	309.7	238.1	85.3
91.9	146.6	284.4	227.1	154.3	143.3	262.4	218.3	-	-	251.3	203.9	153.2	297.6	231.5	91.9
98.4	134.5	273.4	220.5	149.9	131.7	254.6	211.6	-	-	242.5	197.3	140.5	286.6	222.7	98.4
111.5	114.8	254.3	207.2	144.0	110.9	239.2	199.2	-	-	226.0	186.3	118.3	266.8	210.9	111.5
124.7	97.6	237.4	195.5	138.2	94.3	224.5	188.1	-	-	211.6	176.0	100.9	249.9	200.3	124.7
137.8	82.9	222.7	185.2	132.3	79.6	210.5	178.6	-	-	198.4	166.4	85.3	233.7	190.7	137.8
150.9	69.5	210.9	176.4	127.9	66.7	199.5	171.2	-	-	187.4	158.4	71.2	221.9	181.9	150.9
164.0	57.6	199.9	168.3	123.5	55.0	189.6	163.9	-	-	177.5	151.0	58.7	210.5	173.8	164.0
177.2	47.2	189.6	160.9	119.0	44.5	180.8	156.5	-	-	168.7	144.4	47.8	199.5	166.4	177.2
190.3	38.9	180.8	155.1	115.4	36.4	172.7	150.6	-	-	161.3	138.5	39.2	190.7	159.8	190.3
203.4	31.6	172.7	149.2	112.4	29.2	165.0	144.8	-	-	154.3	133.4	31.4	182.6	154.0	203.4
216.5	25.1	165.3	143.3	110.2	22.7	157.6	138.9	-	-	147.7	129.0	24.5	175.3	148.8	216.5
229.7	19.8	159.5	138.9	107.9	17.4	151.8	134.5	-	-	142.2	124.6	18.9	168.7	144.4	229.7
242.8	15.0	153.6	134.8	105.7	12.6	145.9	130.4	-	-	136.7	120.5	13.8	162.7	140.4	242.8
255.9	10.6	147.7	131.2	103.8	8.4	140.0	126.8	-	-	132.3	116.8	9.3	156.5	136.7	255.9
259.2	9.6	146.6	130.1	103.5	-	139.1	125.8	-	-	131.2	116.3	8.2	155.4	136.0	259.2
265.7	7.7	144.4	128.3	102.7	-	137.2	124.0	-	-	129.0	115.2	-	153.2	134.5	265.7
269.0	-	143.3	127.4	102.3	-	136.3	123.1	-	-	127.9	114.6	-	152.1	133.7	269.0
282.2	-	139.3	124.6	-	-	132.6	120.2	-	-	124.2	112.4	-	148.1	130.8	282.2
295.3	-	135.6	122.4	-	-	129.0	117.9	-	-	121.3	110.0	-	144.4	127.9	295.3
305.1	-	133.4	121.3	-	-	127.3	116.8	-	-	119.6	108.7	-	142.2	126.8	305.1
308.4	-	132.6	-	-	-	126.8	-	-	-	119.0	-	-	141.5	-	308.4
315.0	-	131.2	-	-	-	125.7	-	-	-	117.9	-	-	140.0	-	315.0

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%							
		324.8 ft													
		LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10													
		39.4 ft													
		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° 15° 20° 15° 20° 15° 20°													
ft		1,000 lb													
49.2	-	-	-	-	-	-	269.0	339.5	-	297.6	392.4	-	392.4	-	49.2
52.5	-	-	-	-	-	-	251.3	332.9	255.7	277.8	390.2	286.6	390.2	286.6	52.5
59.1	-	-	-	-	-	-	222.7	315.3	244.7	246.9	372.6	275.6	372.6	275.6	59.1
65.6	-	-	-	-	-	-	198.4	302.0	235.9	220.5	354.9	266.8	354.9	266.8	65.6
72.2	-	-	-	-	-	-	179.1	288.8	227.1	200.1	340.6	255.7	340.6	255.7	72.2
78.7	-	-	-	-	-	-	159.8	275.6	220.5	179.7	326.3	246.9	326.3	246.9	78.7
85.3	-	-	-	-	-	-	145.5	265.7	212.7	164.2	313.1	240.3	313.1	240.3	85.3
91.9	-	-	-	-	-	-	131.2	255.7	206.1	148.8	299.8	231.5	299.8	231.5	91.9
98.4	-	-	-	-	-	-	119.7	245.8	199.5	136.7	289.9	224.9	289.9	224.9	98.4
111.5	-	-	-	-	-	-	99.0	228.2	187.8	114.9	270.1	213.1	270.1	213.1	111.5
124.7	-	-	-	-	-	-	82.5	214.2	177.1	97.4	252.8	202.1	252.8	202.1	124.7
137.8	-	-	-	-	-	-	68.1	201.7	167.6	82.0	238.1	191.8	238.1	191.8	137.8
150.9	-	-	-	-	-	-	56.5	190.7	160.2	68.6	225.6	183.7	225.6	183.7	150.9
164.0	-	-	-	-	-	-	45.5	180.4	153.2	56.4	213.8	176.0	213.8	176.0	164.0
177.2	-	-	-	-	-	-	35.1	170.9	146.6	45.4	202.8	168.7	202.8	168.7	177.2
190.3	-	-	-	-	-	-	27.0	163.5	140.7	36.7	194.0	162.0	194.0	162.0	190.3
203.4	-	-	-	-	-	-	19.6	156.5	135.2	29.0	185.6	156.2	185.6	156.2	203.4
216.5	-	-	-	-	-	-	13.0	149.9	130.1	22.0	177.5	151.0	177.5	151.0	216.5
226.4	-	-	-	-	-	-	8.8	145.7	127.2	17.9	172.5	147.7	172.5	147.7	226.4
229.7	-	-	-	-	-	-	-	144.2	126.3	16.5	170.9	146.6	170.9	146.6	229.7
242.8	-	-	-	-	-	-	-	138.9	122.7	11.3	164.9	142.2	165.3	142.2	242.8
252.6	-	-	-	-	-	-	-	135.6	120.0	7.7	160.9	138.9	161.2	138.9	252.6
255.9	-	-	-	-	-	-	-	134.5	119.0	-	159.8	137.8	159.8	137.8	255.9
269.0	-	-	-	-	-	-	-	130.1	116.1	-	154.7	134.8	154.7	134.8	269.0
282.2	-	-	-	-	-	-	-	126.0	113.2	-	150.3	131.9	150.3	131.9	282.2
295.3	-	-	-	-	-	-	-	122.4	110.2	-	146.6	129.0	146.6	129.0	295.3
308.4	-	-	-	-	-	-	-	120.2	109.2	-	142.9	127.5	142.9	127.5	308.4
315.0	-	-	-	-	-	-	-	119.0	108.5	-	141.1	126.8	141.1	126.8	315.0
321.5	-	-	-	-	-	-	-	117.6	-	-	138.2	-	136.7	-	321.5
324.8	-	-	-	-	-	-	-	116.8	-	-	136.7	-	134.5	-	324.8

0 lb | 143,300 lb | 209,500 lb | 275,600 lb | 363,800 lb | 452,000 lb | 584,300 lb | 716,600 lb

		363,800 lb +		110,200 lb				27.6 ft		32.2 ft/s		360°		75%			
								334.6 ft									
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10					
		39.4 ft															
		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°			
ft		1,000 lb															
49.2	277.8	324.1	-	-	-	-	-	315.3	-	341.7	-	291.0	392.4	-	392.4	-	49.2
52.5	260.1	324.1	286.6	-	255.7	306.4	264.6	310.9	273.4	335.1	257.9	273.4	392.4	288.8	392.4	288.8	52.5
59.1	231.5	321.9	275.6	177.5	227.1	302.0	260.1	306.4	269.0	317.5	246.9	242.5	374.8	277.8	374.8	277.8	59.1
65.6	207.2	319.7	264.6	172.0	203.9	295.4	251.3	302.0	262.4	304.2	238.1	217.2	357.1	266.8	357.1	266.8	65.6
72.2	187.4	317.5	255.7	167.6	184.6	288.8	242.5	294.3	253.5	291.0	229.3	196.8	342.8	257.9	342.8	257.9	72.2
78.7	168.7	310.9	246.9	163.1	165.3	282.2	235.9	286.6	244.7	277.8	220.5	176.4	328.5	249.1	328.5	249.1	78.7
85.3	153.2	302.0	238.1	159.8	151.0	274.5	229.3	277.8	235.9	267.9	213.8	160.4	316.4	242.5	316.4	242.5	85.3
91.9	140.0	291.0	231.5	155.4	136.7	266.8	222.7	269.0	229.3	257.9	207.2	144.4	304.2	233.7	304.2	233.7	91.9
98.4	127.9	280.0	224.9	152.1	125.1	259.0	216.1	261.2	222.7	249.1	200.6	132.8	293.2	227.1	293.2	227.1	98.4
111.5	108.6	260.9	211.6	145.5	104.8	244.7	203.6	245.8	210.9	231.5	189.6	111.4	273.4	215.3	273.4	215.3	111.5
124.7	91.8	244.0	199.9	139.6	88.9	231.9	192.5	231.5	199.9	216.4	179.3	94.0	256.5	204.3	256.5	204.3	124.7
137.8	77.4	229.3	189.6	134.5	74.5	219.4	183.0	218.3	189.6	203.9	169.8	78.7	240.3	194.0	240.3	194.0	137.8
150.9	65.2	217.5	180.8	129.3	62.6	206.9	174.9	206.5	180.8	192.9	161.7	66.1	228.5	185.9	228.5	185.9	150.9
164.0	53.8	206.1	172.7	124.9	51.4	195.5	167.6	195.8	172.3	183.0	154.3	54.2	217.2	178.2	217.2	178.2	164.0
177.2	43.2	195.1	165.3	121.3	41.0	185.2	160.9	186.3	164.2	174.2	147.7	43.0	206.1	170.9	206.1	170.9	177.2
190.3	35.1	186.3	158.7	117.6	32.9	177.8	155.1	178.2	157.6	166.1	141.8	34.3	197.3	164.2	197.3	164.2	190.3
203.4	27.8	178.2	152.9	114.3	25.6	170.5	149.2	170.5	151.8	158.7	136.7	26.5	188.9	158.4	188.9	158.4	203.4
216.5	21.2	170.9	147.7	111.3	19.2	163.1	143.3	163.1	146.6	152.1	132.3	19.6	180.8	153.2	180.8	153.2	216.5
229.7	15.9	164.2	142.6	109.3	13.9	156.5	138.9	157.3	142.2	146.4	127.9	14.0	174.2	148.1	174.2	148.1	229.7
242.8	10.9	158.2	138.2	107.2	8.9	151.0	134.5	151.4	137.8	141.1	123.8	8.8	167.6	143.5	167.3	143.7	242.8
246.1	9.8	156.8	137.3	106.7	7.7	149.9	133.4	149.9	136.7	140.0	122.9	-	166.2	142.6	166.0	142.7	246.1
249.3	8.6	155.4	136.5	106.2	-	148.4	132.3	148.4	135.6	138.9	122.0	-	164.8	141.8	164.7	141.8	249.3
255.9	-	153.2	134.5	105.2	-	145.5	130.1	145.5	133.4	136.7	120.2	-	162.0	140.0	162.0	140.0	255.9
269.0	-	148.1	130.8	103.5	-	141.1	127.1	141.1	129.7	132.3	117.2	-	156.9	136.3	156.9	136.3	269.0
282.2	-	143.7	127.5	102.1	-	137.1	124.2	137.1	126.4	128.2	114.3	-	152.1	133.0	152.1	133.0	282.2
285.4	-	142.7	126.8	101.6	-	136.1	123.5	136.1	125.7	127.3	113.5	-	151.0	132.3	151.0	132.3	285.4
295.3	-	140.0	124.6	-	-	133.4	121.3	133.4	123.5	124.6	111.3	-	147.7	130.1	147.7	130.1	295.3
308.4	-	134.1	122.4	-	-	129.7	119.0	129.7	121.3	121.6	110.0	-	142.6	127.9	141.8	127.9	308.4
321.5	-	127.5	120.2	-	-	124.9	116.8	124.2	119.0	117.9	108.5	-	136.0	126.8	134.8	126.8	321.5
324.8	-	125.7	78.5	-	-	123.5	-	122.4	49.2	116.8	-	-	133.9	-	132.8	-	324.8
334.6	-	120.2	-	-	-	119.0	-	116.8	-	111.3	-	-	127.9	-	126.8	-	334.6

 0 lb
  143,300 lb
  209,500 lb
  275,600 lb
  363,800 lb
  452,000 lb
  584,300 lb
  716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		344.5 ft							
		LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10							
		39.4 ft							
		0 lb	0-716.6 klb	0 lb	0-716.6 klb	0 t	0-716.6 klb	0 lb	0-716.6 klb
		15°	20°	30°	15°	20°	15°	20°	15°
		ft	ft	ft	ft	ft	ft	ft	ft
49.2	-	-	-	-	-	-	262.4	299.8	-
52.5	-	-	-	-	-	-	246.9	297.6	335.1
59.1	-	-	-	-	-	-	219.4	291.0	257.9
65.6	-	-	-	-	-	-	196.2	286.6	266.8
72.2	-	-	-	-	-	-	176.9	281.1	321.9
78.7	-	-	-	-	-	-	157.6	275.6	249.1
85.3	-	-	-	-	-	-	143.9	269.0	238.1
91.9	-	-	-	-	-	-	130.1	262.4	271.2
98.4	-	-	-	-	-	-	118.9	256.8	260.1
111.5	-	-	-	-	-	-	98.8	245.8	234.8
124.7	-	-	-	-	-	-	82.7	233.7	201.4
137.8	-	-	-	-	-	-	68.6	220.5	191.8
150.9	-	-	-	-	-	-	57.5	208.7	183.0
164.0	-	-	-	-	-	-	46.9	196.6	174.5
177.2	-	-	-	-	-	-	36.6	184.1	166.4
190.3	-	-	-	-	-	-	28.4	176.7	159.8
203.4	-	-	-	-	-	-	21.0	169.4	153.6
216.5	-	-	-	-	-	-	14.6	162.0	147.7
229.7	-	-	-	-	-	-	9.3	155.9	143.3
232.9	-	-	-	-	-	-	7.9	154.3	142.2
236.2	-	-	-	-	-	-	153.2	141.1	145.5
242.8	-	-	-	-	-	-	150.3	139.3	142.9
255.9	-	-	-	-	-	-	144.4	135.6	137.8
269.0	-	-	-	-	-	-	139.3	130.8	133.4
282.2	-	-	-	-	-	-	134.8	127.5	129.7
295.3	-	-	-	-	-	-	131.2	124.6	126.8
308.4	-	-	-	-	-	-	127.5	122.4	123.1
321.5	-	-	-	-	-	-	122.0	119.6	117.4
331.4	-	-	-	-	-	-	116.5	105.6	111.7
334.6	-	-	-	-	-	-	114.6	-	109.8
341.2	-	-	-	-	-	-	111.3	-	106.3



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

363,800 lb + 110,200 lb										27.6 ft		32.2 ft/s		360°		75%	
										354.3 ft							
										39.4 ft							
ft	0 lb	0-716.6 klb	ft	1,000 lb	1,000 lb	1,000 lb	1,000 lb	1,000 lb	1,000 lb	1,000 lb							
49.2	264.6	304.2	-	-	-	-	-	-	49.2	310.9	-	328.5	-	277.8	377.0	-	
52.5	249.1	304.2	282.2	-	244.7	304.2	257.9	308.6	52.5	266.8	326.3	260.1	262.4	377.0	-	390.2	-
55.8	234.8	304.2	280.0	-	231.5	303.1	256.8	307.5	55.8	265.7	325.2	254.6	246.9	375.9	284.4	385.8	284.4
59.1	220.5	304.2	277.8	178.6	218.3	302.0	255.7	306.4	59.1	264.6	324.1	249.1	231.5	374.8	280.0	381.4	280.0
65.6	198.4	302.0	269.0	173.1	195.1	299.8	251.3	304.2	65.6	260.1	308.6	240.3	207.2	363.8	271.2	363.8	271.2
72.2	178.6	302.0	260.1	168.7	176.4	295.4	244.7	299.8	72.2	253.5	296.5	231.5	187.4	349.4	262.4	349.4	262.4
78.7	160.9	299.8	251.3	165.3	157.6	291.0	238.1	295.4	78.7	246.9	284.4	224.9	167.6	335.1	253.5	335.1	253.5
85.3	145.5	297.6	242.5	160.9	143.9	284.4	231.5	287.7	85.3	240.3	273.4	217.2	152.7	323.0	244.7	323.0	244.7
91.9	132.3	293.2	235.9	157.6	130.1	277.8	224.9	280.0	91.9	233.7	262.4	210.5	137.8	310.9	238.1	310.9	238.1
98.4	120.2	286.6	227.1	153.2	119.0	272.3	219.4	273.4	98.4	227.1	253.5	205.0	126.2	299.8	231.5	299.8	231.5
111.5	101.6	267.5	215.3	147.3	99.1	260.1	207.6	260.1	111.5	215.3	237.0	193.3	105.1	280.0	219.7	280.0	219.7
124.7	85.2	250.6	204.3	141.5	83.1	246.9	196.9	247.7	124.7	204.3	222.7	182.6	88.0	263.1	208.7	263.1	208.7
137.8	71.0	235.9	194.0	135.6	69.0	233.7	187.4	235.9	137.8	194.0	209.4	173.1	73.0	246.9	198.4	246.9	198.4
150.9	60.0	223.4	185.2	131.2	58.0	221.9	179.3	223.4	150.9	185.2	198.4	165.7	61.2	233.7	189.6	233.7	189.6
164.0	49.2	212.0	176.7	127.1	47.3	209.8	172.0	210.5	164.0	176.7	188.1	158.4	49.9	221.9	181.5	221.9	181.5
177.2	38.8	201.7	168.7	123.5	37.0	197.3	165.3	197.3	177.2	168.7	178.6	151.0	39.0	211.6	174.2	211.6	174.2
190.3	30.6	192.2	162.8	119.8	29.0	188.5	158.7	189.2	190.3	162.0	170.5	145.1	30.4	202.8	167.6	202.8	167.6
203.4	23.1	183.7	156.9	116.5	21.6	180.4	152.9	181.1	203.4	155.8	163.5	140.0	22.6	194.4	161.7	194.4	161.7
216.5	16.5	176.4	151.0	113.5	15.0	173.1	147.7	173.1	216.5	149.9	156.5	135.6	15.7	186.3	156.5	186.3	156.5
229.7	11.1	169.8	145.9	111.0	9.7	166.9	142.6	166.8	229.7	145.5	150.6	131.2	9.8	179.2	151.4	178.9	151.2
232.9	9.7	168.1	144.6	110.4	8.4	165.3	141.3	165.0	232.9	144.4	149.2	130.1	8.4	177.5	150.1	177.1	149.9
236.2	8.4	166.4	143.3	109.8	-	163.1	140.0	163.1	236.2	143.3	147.7	129.0	-	175.3	148.8	175.3	148.8
242.8	-	163.5	141.5	108.7	-	160.2	138.2	160.2	242.8	141.5	145.1	127.1	-	172.3	147.0	172.3	147.0
255.9	-	157.6	137.8	106.5	-	154.3	134.5	154.3	255.9	137.8	140.0	123.5	-	166.4	143.3	166.4	143.3
269.0	-	152.5	134.1	104.7	-	149.2	129.7	149.2	269.0	134.1	135.6	119.8	-	161.3	139.6	161.3	139.6
282.2	-	146.6	130.8	103.1	-	144.0	126.4	143.3	282.2	130.4	131.5	116.5	-	156.2	136.3	155.8	136.3
295.3	-	140.0	127.9	101.6	-	138.9	123.5	136.7	295.3	126.8	127.9	113.5	-	151.0	133.4	149.9	133.4
298.6	-	137.8	127.1	101.4	-	136.7	122.9	134.7	298.6	126.2	126.8	113.5	-	148.6	132.6	147.5	132.6
308.4	-	131.2	124.9	-	-	130.1	121.3	128.6	308.4	124.6	123.5	111.8	-	141.5	130.4	140.4	130.4
321.5	-	123.1	120.9	-	-	122.0	118.3	120.6	321.5	119.9	115.3	109.5	-	132.6	127.5	131.5	127.1
334.6	-	115.7	115.7	-	-	114.6	114.6	112.4	334.6	112.4	107.8	108.0	-	124.6	124.6	123.5	123.5
337.9	-	114.2	114.6	-	-	113.0	113.5	110.9	337.9	111.3	106.0	106.3	-	122.4	122.4	121.3	121.3
341.2	-	112.7	78.3	-	-	111.3	-	109.3	341.2	61.9	104.3	-	-	120.2	-	119.6	-
347.8	-	109.6	-	-	-	108.4	-	106.3	347.8	-	100.8	-	-	117.2	-	116.3	-
351.1	-	107.8	-	-	-	106.9	-	104.7	351.1	-	99.0	-	-	115.7	-	114.6	-



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%									
		364.2 ft															
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8							
		39.4 ft															
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb							
		15°		20°		30°		15°		20°							
ft		1,000 lb															
52.5	-	-	-	-	-	-	-	288.8	-	321.9	-	255.7	366.0	-	379.2	-	52.5
55.8	-	-	-	-	224.9	297.6	253.5	287.7	262.4	321.9	255.7	241.4	366.0	286.6	379.2	286.6	55.8
59.1	-	-	-	-	212.7	297.6	253.5	286.6	260.1	321.9	251.3	227.1	366.0	280.0	379.2	280.0	59.1
65.6	-	-	-	-	189.6	295.4	249.1	284.4	260.1	310.9	242.5	202.8	363.8	271.2	366.0	271.2	65.6
72.2	-	-	-	-	171.4	293.2	246.9	281.1	253.5	298.7	233.7	183.0	350.5	262.4	351.6	262.4	72.2
78.7	-	-	-	-	153.2	291.0	240.3	277.8	246.9	286.6	224.9	163.1	337.3	253.5	337.3	253.5	78.7
85.3	-	-	-	-	139.4	285.5	233.7	272.3	242.5	275.6	219.4	148.3	325.2	246.9	325.2	246.9	85.3
91.9	-	-	-	-	125.7	280.0	227.1	266.8	235.9	264.6	212.7	133.4	313.1	240.3	313.1	240.3	91.9
98.4	-	-	-	-	115.0	273.4	220.5	260.1	229.3	255.7	206.1	121.8	303.1	233.7	303.1	233.7	98.4
111.5	-	-	-	-	95.5	261.2	210.2	250.2	216.8	239.2	195.1	101.1	283.3	221.2	283.3	221.2	111.5
124.7	-	-	-	-	79.7	249.9	199.9	238.8	205.8	224.9	184.8	84.4	266.0	210.2	266.0	210.2	124.7
137.8	-	-	-	-	65.7	238.1	189.6	227.1	196.2	211.6	175.3	69.4	251.3	200.6	251.3	200.6	137.8
150.9	-	-	-	-	54.8	226.3	181.5	215.3	187.4	200.6	167.2	57.8	238.1	191.8	238.1	191.8	150.9
164.0	-	-	-	-	44.5	214.6	174.2	203.9	179.3	190.3	159.8	46.9	226.0	183.7	226.0	183.7	164.0
177.2	-	-	-	-	34.6	202.8	167.6	192.9	172.0	180.8	153.2	36.6	215.0	176.4	215.0	176.4	177.2
190.3	-	-	-	-	26.5	192.5	160.9	183.0	164.6	172.7	147.3	27.8	205.4	169.8	205.4	169.8	190.3
203.4	-	-	-	-	19.2	183.7	155.1	174.9	158.0	165.7	142.2	19.9	196.6	163.5	196.6	163.5	203.4
216.5	-	-	-	-	12.6	176.4	149.9	167.6	152.1	158.7	136.7	13.0	188.5	157.6	188.5	157.6	216.5
226.4	-	-	-	-	8.4	172.0	146.2	163.4	148.5	154.3	133.4	8.6	183.5	154.3	183.9	154.3	226.4
229.7	-	-	-	-	-	170.1	144.8	161.8	147.2	152.9	132.3	-	181.9	153.2	182.1	153.2	229.7
242.8	-	-	-	-	-	163.5	140.0	155.8	142.6	147.3	128.2	-	175.3	148.8	175.3	148.8	242.8
255.9	-	-	-	-	-	157.6	135.6	149.9	138.9	142.2	124.6	-	168.7	144.4	168.7	144.4	255.9
269.0	-	-	-	-	-	152.5	131.9	144.8	135.2	137.8	120.9	-	163.5	140.7	163.5	140.7	269.0
282.2	-	-	-	-	-	145.5	128.6	140.0	131.5	133.7	117.9	-	156.9	137.4	156.5	137.4	282.2
295.3	-	-	-	-	-	136.7	125.7	135.6	127.9	130.1	115.7	-	148.8	134.5	147.7	134.5	295.3
308.4	-	-	-	-	-	127.9	122.7	126.8	124.2	121.3	112.4	-	139.3	131.5	138.2	131.5	308.4
321.5	-	-	-	-	-	119.6	118.6	117.9	117.9	113.0	109.4	-	130.1	127.9	129.0	127.3	321.5
334.6	-	-	-	-	-	112.4	112.4	110.2	111.3	105.4	105.6	-	122.4	122.4	121.3	121.3	334.6
347.8	-	-	-	-	-	106.0	106.3	103.8	104.3	98.2	98.1	-	115.0	114.6	113.8	113.5	347.8
357.6	-	-	-	-	-	101.0	-	99.0	-	93.0	-	-	109.8	-	108.2	-	357.6

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%									
		374.0 ft		39.4 ft															
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10							
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		0-716.6 klb							
		15°		20°		30°		15°		20°		15°							
ft		1,000 lb																	
52.5	238.1	282.2	-	-	-	-	-	293.2	-	319.7	-	251.3	352.7	-	363.8	-	374.8	-	52.5
55.8	225.4	282.2	264.6	-	220.5	288.8	249.1	292.1	253.5	319.7	255.7	237.0	352.7	286.6	363.8	286.6	374.8	286.6	55.8
59.1	212.7	282.2	264.6	-	209.4	288.8	249.1	291.0	253.5	319.7	251.3	222.7	352.7	282.2	363.8	282.2	374.8	282.2	59.1
62.3	201.2	282.2	264.6	176.4	197.9	288.8	248.0	291.0	252.4	316.4	246.9	211.1	352.7	277.8	362.7	277.8	372.6	277.8	62.3
65.6	189.6	282.2	264.6	174.2	186.3	288.8	246.9	291.0	251.3	313.1	242.5	199.5	352.7	273.4	361.6	273.4	370.4	273.4	65.6
72.2	169.8	282.2	262.4	169.8	168.7	287.7	244.7	289.9	249.1	300.9	235.9	180.2	347.2	264.6	351.6	264.6	356.0	264.6	72.2
78.7	153.2	280.0	253.5	166.4	151.0	286.6	242.5	288.8	246.9	288.8	227.1	160.9	341.7	255.7	341.7	255.7	341.7	255.7	78.7
85.3	138.9	277.8	244.7	162.0	137.2	281.1	235.9	284.4	242.5	278.9	220.5	146.1	329.6	249.1	329.6	249.1	329.6	249.1	85.3
91.9	125.7	275.6	238.1	158.7	123.5	275.6	229.3	280.0	238.1	269.0	213.8	131.2	317.5	240.3	317.5	240.3	317.5	240.3	91.9
98.4	113.5	273.4	231.5	155.4	112.8	270.1	222.7	274.5	231.5	259.0	207.2	120.0	306.4	233.7	306.4	233.7	306.4	233.7	98.4
111.5	95.5	267.5	219.0	148.8	93.4	259.0	210.9	264.6	219.0	241.4	196.2	99.5	286.6	222.7	286.6	222.7	286.6	222.7	111.5
124.7	79.4	257.2	207.6	142.9	77.7	247.7	199.9	254.3	208.0	227.4	186.3	82.8	269.7	212.0	269.7	212.0	269.7	212.0	124.7
137.8	65.5	242.5	197.3	137.8	63.9	235.9	189.6	242.5	198.4	215.0	177.5	68.1	253.5	201.7	253.5	201.7	253.5	201.7	137.8
150.9	54.6	229.3	188.5	133.4	53.1	223.4	180.8	230.0	189.6	203.2	169.4	56.7	240.3	192.9	240.3	192.9	240.3	192.9	150.9
164.0	44.4	217.5	180.4	129.0	42.9	209.8	172.7	217.5	181.5	192.9	161.7	45.9	228.5	184.8	228.5	184.8	228.5	184.8	164.0
177.2	34.8	207.2	173.1	124.6	33.5	195.1	165.3	207.2	174.2	184.1	154.3	35.7	218.3	177.5	218.3	177.5	218.3	177.5	177.2
190.3	26.6	197.7	166.4	120.9	25.3	178.6	159.5	196.6	166.8	176.0	148.4	27.0	208.7	171.6	208.7	171.6	208.7	171.6	190.3
203.4	19.2	188.9	160.2	117.6	17.9	169.0	152.9	188.5	160.2	168.0	143.3	19.2	198.0	165.7	199.9	165.7	199.9	165.7	203.4
216.5	12.6	180.8	154.3	114.6	11.5	160.9	147.7	181.9	154.3	160.9	137.8	12.1	190.7	159.8	191.8	159.8	191.8	159.8	216.5
223.1	9.6	177.8	152.1	113.5	8.6	156.1	145.5	178.1	152.1	158.0	135.6	9.2	186.3	157.6	187.8	157.6	188.1	157.4	223.1
226.4	8.2	176.4	151.0	113.0	-	154.5	144.4	176.6	151.0	156.5	134.5	7.7	184.4	156.3	186.1	156.3	186.3	156.1	226.4
229.7	-	174.5	149.5	112.4	-	153.0	143.3	175.0	149.9	155.1	133.4	-	182.4	154.9	184.3	154.9	184.5	154.8	229.7
242.8	-	167.9	144.4	110.2	-	146.2	138.9	168.3	145.5	149.5	129.3	-	175.6	149.9	177.8	149.9	177.8	149.9	242.8
255.9	-	162.0	140.0	108.0	-	141.1	134.5	160.9	141.1	144.4	125.7	-	169.8	145.5	172.0	145.5	172.0	145.5	255.9
269.0	-	155.4	136.3	106.1	-	137.4	130.4	153.6	137.4	140.0	122.7	-	162.4	141.8	166.1	141.8	164.6	141.8	269.0
282.2	-	147.0	133.0	104.4	-	134.5	127.5	144.8	134.1	134.8	119.8	-	155.1	138.5	157.6	138.5	155.4	138.5	282.2
295.3	-	136.7	130.1	102.7	-	132.3	124.6	134.5	131.2	129.0	116.8	-	147.7	135.6	146.6	135.6	144.4	135.6	295.3
308.4	-	127.9	125.7	101.5	-	125.7	122.4	125.7	125.3	119.4	113.9	-	138.2	132.6	137.1	132.6	135.6	132.6	308.4
315.0	-	123.5	123.5	87.5	-	122.4	121.3	121.3	122.4	114.6	112.4	-	133.4	131.2	132.3	131.2	131.2	131.2	315.0
321.5	-	119.6	119.6	-	-	118.7	118.3	117.3	117.9	110.9	109.3	-	129.5	128.4	127.9	128.2	126.8	126.8	321.5
334.6	-	112.4	112.4	-	-	111.3	111.3	110.2	110.2	103.4	103.2	-	121.3	121.3	120.2	120.2	117.9	117.9	334.6
347.8	-	105.5	105.7	-	-	104.7	104.9	103.3	103.5	96.3	95.6	-	113.9	113.9	113.0	113.1	110.7	110.9	347.8
354.3	-	102.1	102.3	-	-	101.4	101.6	99.9	100.1	92.8	91.9	-	110.2	110.2	109.3	109.6	107.1	107.4	354.3
357.6	-	100.5	89.5	-	-	99.8	66.4	98.3	66.4	91.2	-	-	108.6	-	107.6	-	105.4	-	357.6
360.9	-	98.9	-	-	-	98.2	-	96.8	-	89.6	-	-	106.9	-	105.9	-	103.6	-	360.9
367.5	-	95.7	-	-	-	95.0	-	93.7	-	86.4	-	-	103.6	-	102.5	-	100.3	-	367.5

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		383.9 ft									
		LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12		39.4 ft							
		0 lb 0-716.6 klb 0 lb 0-716.6 klb 0 lb 0-716.6 klb									
ft	ft	1,000 lb									
52.5	-	-	-	-	-	284.4	-	308.6	-	244.7	341.7
55.8	-	-	-	-	216.1	280.0	244.7	284.4	251.3	308.6	257.9
59.1	-	-	-	-	203.9	280.0	244.7	284.4	251.3	308.6	253.5
65.6	-	-	-	-	181.9	280.0	244.7	284.4	249.1	308.6	244.7
72.2	-	-	-	-	164.2	280.0	242.5	284.4	249.1	299.8	235.9
78.7	-	-	-	-	146.6	280.0	242.5	284.4	246.9	291.0	229.3
85.3	-	-	-	-	132.8	276.7	238.1	281.1	244.7	281.1	220.5
91.9	-	-	-	-	119.0	273.4	231.5	277.8	238.1	271.2	215.0
98.4	-	-	-	-	108.8	270.1	224.9	273.4	233.7	261.2	209.4
111.5	-	-	-	-	89.8	262.4	213.8	265.7	221.9	243.6	198.4
124.7	-	-	-	-	74.3	252.1	203.2	256.5	210.9	229.6	188.1
137.8	-	-	-	-	60.6	240.3	192.9	244.7	200.6	217.2	178.6
150.9	-	-	-	-	49.9	228.5	184.1	233.0	192.5	206.1	170.5
164.0	-	-	-	-	40.1	212.7	175.6	221.9	184.5	195.8	163.1
177.2	-	-	-	-	31.1	201.7	167.6	211.6	176.4	186.3	156.5
190.3	-	-	-	-	22.9	190.0	161.7	200.3	169.8	178.2	150.6
203.4	-	-	-	-	15.5	175.5	155.1	191.8	163.4	170.5	145.3
216.5	-	-	-	-	9.0	168.7	149.9	185.2	157.6	163.1	140.0
219.8	-	-	-	-	166.4	148.8	183.5	156.3	161.7	138.9	8.2
229.7	-	-	-	-	160.2	144.8	178.6	152.5	157.3	135.6	-
242.8	-	-	-	-	155.1	140.4	172.0	147.7	151.4	131.2	-
255.9	-	-	-	-	149.9	136.7	165.3	143.3	145.5	126.8	-
269.0	-	-	-	-	145.5	133.0	153.6	139.6	141.1	123.8	-
282.2	-	-	-	-	140.0	129.3	142.6	136.3	135.0	120.7	-
295.3	-	-	-	-	133.4	125.7	132.3	133.4	126.8	117.9	-
308.4	-	-	-	-	124.6	122.7	123.5	124.6	117.2	114.3	-
321.5	-	-	-	-	116.6	117.4	116.2	116.3	108.6	108.3	-
334.6	-	-	-	-	109.3	109.6	108.2	108.7	100.8	99.9	-
347.8	-	-	-	-	102.3	102.5	99.6	101.5	93.7	92.2	-
360.9	-	-	-	-	95.6	95.8	90.3	94.7	86.9	85.2	-
364.2	-	-	-	-	94.0	94.1	87.9	93.0	85.2	83.6	-
374.0	-	-	-	-	89.3	-	80.5	-	80.2	-	-
377.3	-	-	-	-	88.0	-	78.0	-	78.7	-	-
		0 lb		143,300 lb		209,500 lb		275,600 lb		363,800 lb	
		452,000 lb		584,300 lb		716,600 lb					

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%			
				393.7 ft									
				LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12									
		0 lb 0-716.6 klb 0 lb 0-716.6 klb 0 lb 0-716.6 klb		39.4 ft									
ft		15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20° 15° 20°		ft		1,000 lb		ft		ft			
52.5	229.3	251.3	- - - - -	273.4	-	297.6	- - - - -	- - - - -	- - - - -	- - - - -	52.5		
55.8	217.2	250.2	238.1 - 212.7 271.2 240.3 273.4 244.7 297.6 257.9 224.9 328.5 - 339.5 - 350.5 -	273.4	273.4	244.7 297.6 253.5 213.8 328.5 284.4 339.5 284.4 350.5 350.5 284.4	244.7 297.6 253.5 213.8 328.5 284.4 339.5 284.4 350.5 350.5 284.4	273.4	273.4	244.7 297.6 253.5 213.8 328.5 284.4 339.5 284.4 350.5 350.5 284.4	273.4	273.4	244.7 297.6 253.5 213.8 328.5 284.4 339.5 284.4 350.5 350.5 284.4
59.1	205.0	249.1	238.1 - 199.5 271.2 240.3 273.4 244.7 297.6 249.1 202.3 328.5 280.0 339.5 280.0 350.5 350.5 280.0	273.4	273.4	244.7 297.6 249.1 202.3 328.5 280.0 339.5 280.0 350.5 350.5 280.0	273.4	273.4	244.7 297.6 249.1 202.3 328.5 280.0 339.5 280.0 350.5 350.5 280.0	273.4	273.4	244.7 297.6 249.1 202.3 328.5 280.0 339.5 280.0 350.5 350.5 280.0	
62.3	194.0	249.1	238.1 177.5 189.0 271.2 240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	175.3	178.6	271.2 240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	175.3	178.6	271.2 240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	175.3	178.6	271.2 240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	
65.6	183.0	249.1	238.1 175.3 178.6 271.2 240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	178.6	271.2	240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	178.6	271.2	240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	178.6	271.2	240.3 273.4 244.7 297.6 244.7 190.7 328.5 275.6 339.5 275.6 350.5 350.5 275.6	
72.2	164.2	246.9	238.1 170.9 160.9 270.1 238.1 273.4 244.7 295.4 238.1 172.0 328.5 266.8 338.4 266.8 348.3 348.3 266.8	238.1	273.4	244.7 295.4 238.1 172.0 328.5 266.8 338.4 266.8 348.3 348.3 266.8	238.1	273.4	244.7 295.4 238.1 172.0 328.5 266.8 338.4 266.8 348.3 348.3 266.8	238.1	273.4	244.7 295.4 238.1 172.0 328.5 266.8 338.4 266.8 348.3 348.3 266.8	
78.7	147.7	246.9	238.1 167.6 143.3 269.0 238.1 273.4 244.7 293.2 229.3 153.2 328.5 257.9 337.3 257.9 346.1 346.1 257.9	269.0	273.4	244.7 293.2 229.3 153.2 328.5 257.9 337.3 257.9 346.1 346.1 257.9	269.0	273.4	244.7 293.2 229.3 153.2 328.5 257.9 337.3 257.9 346.1 346.1 257.9	269.0	273.4	244.7 293.2 229.3 153.2 328.5 257.9 337.3 257.9 346.1 346.1 257.9	
85.3	133.4	244.7	238.1 163.1 130.1 264.6 235.9 272.3 244.7 283.3 222.7 138.9 325.2 251.3 329.6 251.3 334.0 334.0 251.3	264.6	272.3	244.7 283.3 222.7 138.9 325.2 251.3 329.6 251.3 334.0 334.0 251.3	264.6	272.3	244.7 283.3 222.7 138.9 325.2 251.3 329.6 251.3 334.0 334.0 251.3	264.6	272.3	244.7 283.3 222.7 138.9 325.2 251.3 329.6 251.3 334.0 334.0 251.3	
91.9	120.2	242.5	235.9 159.8 116.8 260.1 229.3 271.2 240.3 273.4 217.2 124.6 321.9 244.7 321.9 244.7 321.9 321.9 244.7	229.3	271.2	240.3 273.4 217.2 124.6 321.9 244.7 321.9 244.7 321.9 321.9 244.7	229.3	271.2	240.3 273.4 217.2 124.6 321.9 244.7 321.9 244.7 321.9 321.9 244.7	229.3	271.2	240.3 273.4 217.2 124.6 321.9 244.7 321.9 244.7 321.9 321.9 244.7	
98.4	109.8	242.5	233.7 156.5 106.4 255.7 222.7 269.0 235.9 264.6 210.5 113.4 312.0 238.1 312.0 238.1 312.0 312.0 238.1	255.7	222.7	235.9 264.6 210.5 113.4 312.0 238.1 312.0 238.1 312.0 312.0 238.1	255.7	222.7	235.9 264.6 210.5 113.4 312.0 238.1 312.0 238.1 312.0 312.0 238.1	255.7	222.7	235.9 264.6 210.5 113.4 312.0 238.1 312.0 238.1 312.0 312.0 238.1	
111.5	91.6	239.6	222.7 150.6 87.3 245.8 212.4 265.7 224.1 246.9 199.5 93.1 292.1 226.3 292.1 226.3 292.1 292.1 226.3	245.8	212.4	224.1 246.9 199.5 93.1 292.1 226.3 292.1 226.3 292.1 292.1 226.3	245.8	212.4	224.1 246.9 199.5 93.1 292.1 226.3 292.1 226.3 292.1 292.1 226.3	245.8	212.4	224.1 246.9 199.5 93.1 292.1 226.3 292.1 226.3 292.1 292.1 226.3	
124.7	75.6	235.9	212.0 144.8 71.9 235.2 202.5 259.4 213.5 231.9 189.2 76.8 274.8 215.3 274.8 215.3 274.8 274.8 215.3	259.4	213.5	213.5 231.9 189.2 76.8 274.8 215.3 274.8 215.3 274.8 274.8 215.3	259.4	213.5	213.5 231.9 189.2 76.8 274.8 215.3 274.8 215.3 274.8 274.8 215.3	259.4	213.5	213.5 231.9 189.2 76.8 274.8 215.3 274.8 215.3 274.8 274.8 215.3	
137.8	61.9	231.5	201.7 138.9 58.2 224.9 192.9 249.1 203.9 219.4 179.7 62.4 260.1 205.0 260.1 205.0 260.1 260.1 205.0	224.9	192.9	249.1 203.9 203.9 219.4 179.7 62.4 260.1 205.0 260.1 205.0 260.1 260.1 205.0	224.9	192.9	249.1 203.9 203.9 219.4 179.7 62.4 260.1 205.0 260.1 205.0 260.1 260.1 205.0	224.9	192.9	249.1 203.9 203.9 219.4 179.7 62.4 260.1 205.0 260.1 205.0 260.1 260.1 205.0	
150.9	51.2	225.6	192.2 134.5 47.6 213.1 184.1 237.4 195.1 208.3 172.3 51.1 246.9 196.9 246.9 196.9 246.9 196.9 246.9	213.1	184.1	184.1 237.4 195.1 208.3 172.3 51.1 246.9 196.9 246.9 196.9 246.9 196.9 246.9	213.1	184.1	184.1 237.4 195.1 208.3 172.3 51.1 246.9 196.9 246.9 196.9 246.9 196.9 246.9	213.1	184.1	184.1 237.4 195.1 208.3 172.3 51.1 246.9 196.9 246.9 196.9 246.9 196.9 246.9	
164.0	41.4	214.2	183.7 130.4 38.1 201.4 176.0 226.0 186.7 198.0 165.0 40.9 234.4 188.9 234.4 188.9 234.4 188.9 234.4	201.4	176.0	176.0 226.0 186.7 198.0 165.0 40.9 234.4 188.9 234.4 188.9 234.4 188.9 234.4	201.4	176.0	176.0 226.0 186.7 198.0 165.0 40.9 234.4 188.9 234.4 188.9 234.4 188.9 234.4	201.4	176.0	176.0 226.0 186.7 198.0 165.0 40.9 234.4 188.9 234.4 188.9 234.4 188.9 234.4	
177.2	32.6	208.3	176.4 126.8 29.5 189.6 168.7 215.0 178.6 188.5 157.6 31.7 222.7 180.8 222.7 180.8 222.7 180.8 222.7	189.6	168.7	168.7 215.0 178.6 188.5 157.6 31.7 222.7 180.8 222.7 180.8 222.7 180.8 222.7	189.6	168.7	168.7 215.0 178.6 188.5 157.6 31.7 222.7 180.8 222.7 180.8 222.7 180.8 222.7	189.6	168.7	168.7 215.0 178.6 188.5 157.6 31.7 222.7 180.8 222.7 180.8 222.7 180.8 222.7	
190.3	24.3	196.9	169.8 123.1 21.3 172.0 162.0 203.9 172.0 180.4 152.1 22.9 213.1 174.9 213.1 174.9 213.1 174.9 213.1	172.0	180.4	172.0 180.4 152.1 22.9 213.1 174.9 213.1 174.9 213.1 174.9 213.1 174.9	172.0	180.4	172.0 180.4 152.1 22.9 213.1 174.9 213.1 174.9 213.1 174.9 213.1 174.9	172.0	180.4	172.0 180.4 152.1 22.9 213.1 174.9 213.1 174.9 213.1 174.9 213.1 174.9	
203.4	16.8	188.9	163.5 119.8 13.8 162.0 153.6 195.1 165.9 172.7 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	195.1	162.0	162.0 153.6 195.1 165.9 172.7 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	195.1	162.0	162.0 153.6 195.1 165.9 172.7 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	195.1	162.0	162.0 153.6 195.1 165.9 172.7 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	
213.3	11.8	181.3	159.1 117.6 8.8 156.9 146.1 190.1 161.5 172.2 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	190.1	161.5	161.5 172.2 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	190.1	161.5	161.5 172.2 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	190.1	161.5	161.5 172.2 142.4 9.9 197.3 164.6 198.4 164.6 198.4 164.6 198.4	
216.5	10.1	179.7	157.6 116.8 - 155.4 144.4 188.5 159.8 165.3 141.1 8.2 196.2 163.1 196.2 163.1 196.2 163.1 196.2	188.5	165.3	188.5 165.3 159.8 165.3 165.3 141.1 8.2 196.2 163.1 196.2 163.1 196.2 163.1 196.2	188.5	165.3	188.5 165.3 159.8 165.3 165.3 141.1 8.2 196.2 163.1 196.2 163.1 196.2 163.1 196.2	188.5	165.3	188.5 165.3 159.8 165.3 165.3 141.1 8.2 196.2 163.1 196.2 163.1 196.2 163.1 196.2	
219.8	8.6	178.2	156.5 116.1 - 152.5 143.1 186.8 158.5 163.9 140.0 - 194.4 161.9 194.4 161.9 194.4 161.9 194.4	186.8	158.5	186.8 158.5 158.5 163.9 140.0 - 194.4 161.9 194.4 161.9 194.4 161.9 194.4	186.8 158.5	158.5	186.8 158.5 158.5 163.9 140.0 - 194.4 161.9 194.4 161.9 194.4 161.9 194.4	186.8 158.5	158.5	186.8 158.5 158.5 163.9 140.0 - 194.4 161.9 194.4 161.9 194.4 161.9 194.4	
229.7	-	173.8	152.7 113.9 - 146.2 139.3 181.9 154.7 159.5 136.7 - 188.9 158.0 188.9 158.0 188.9 158.0 188.9	181.9	154.7	154.7 159.5 136.7 188.9 158.0 188.9 158.0 188.9 158.0 188.9	181.9	154.7	154.7 159.5 136.7 188.9 158.0 188.9 158.0 188.9 158.0 188.9	181.9	154.7	154.7 159.5 136.7 188.9 158.0 188.9 158.0 188.9 158.0 188.9	
242.8	-	167.2	147.7 111.4 - 140.7 132.3 173.8 149.9 153.6 132.6 - 182.2 153.2 182.2 153.2 182.2 153.2 182.2	173.8	149.9	149.9 153.6 132.6 182.2 153.2 182.2 153.2 182.2 153.2 182.2	173.8	149.9	149.9 153.6 132.6 182.2 153.2 182.2 153.2 182.2 153.2 182.2	173.8	149.9	149.9 153.6 132.6 182.2 153.2 182.2 153.2 182.2 153.2 182.2	
255.9	-	162.0	143.3 109.3 - 135.6 127.9 164.2 145.5 147.7 129.0 - 176.4 148.8 176.4 148.8 176.4 148.8 176.4	164.2	145.5	145.5 147.7 129.0 - 176.4 148.8 176.4 148.8 176.4 148.8 176.4	164.2	145.5	145.5 147.7 129.0 - 176.4 148.8 176.4 148.8 176.4 148.8 176.4	164.2	145.5	145.5 147.7 129.0 - 176.4 148.8 176.4 148.8 176.4 148.8 176.4	
269.0	-	154.0	139.6 107.3 - 130.1 123.8 152.5 141.8 142.6 125.3 - 166.1 145.1 165.3 145.1 163.9 145.1										

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%									
		403.5 ft																	
		LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12		39.4 ft															
		0 lb 0-716.6 klb 0 lb 0-716.6 klb 0 lb 0-716.6 klb																	
ft		1,000 lb																	
55.8	-	-	-	-	-	264.6	-	220.5	315.3	-	339.5	-	55.8						
59.1	-	-	-	-	195.1	262.4	233.7	264.6	240.3	284.4	255.7	208.3	315.3	286.6	326.3	286.6	339.5	286.6	59.1
65.6	-	-	-	-	173.1	262.4	233.7	264.6	240.3	284.4	246.9	185.2	315.3	275.6	326.3	275.6	339.5	275.6	65.6
72.2	-	-	-	-	156.0	262.4	233.7	264.6	240.3	284.4	238.1	167.0	315.3	269.0	326.3	269.0	338.4	269.0	72.2
78.7	-	-	-	-	138.9	262.4	233.7	264.6	240.3	284.4	231.5	148.8	315.3	260.1	326.3	260.1	337.3	260.1	78.7
85.3	-	-	-	-	125.7	260.1	233.7	263.5	240.3	280.0	224.9	134.5	315.3	253.5	324.1	253.5	330.7	253.5	85.3
91.9	-	-	-	-	112.4	257.9	227.1	262.4	238.1	275.6	218.3	120.2	315.3	246.9	324.1	246.9	324.1	246.9	91.9
98.4	-	-	-	-	102.4	254.6	222.7	260.1	233.7	266.8	211.6	109.3	309.7	240.3	314.2	240.3	314.2	240.3	98.4
111.5	-	-	-	-	83.8	248.0	213.8	257.9	224.9	250.2	200.6	89.5	295.4	228.5	295.4	228.5	295.4	228.5	111.5
124.7	-	-	-	-	68.5	240.3	205.0	253.5	215.7	235.2	190.7	73.3	278.5	217.5	278.5	217.5	278.5	217.5	124.7
137.8	-	-	-	-	55.1	231.5	196.2	244.7	206.1	220.5	181.9	58.9	262.4	207.2	262.4	207.2	262.4	207.2	137.8
150.9	-	-	-	-	44.5	221.2	188.1	235.9	198.0	210.2	173.8	47.7	249.1	198.4	249.1	198.4	249.1	198.4	150.9
164.0	-	-	-	-	35.1	207.2	180.0	227.1	190.3	200.3	166.4	37.6	236.6	190.3	236.6	190.3	236.6	190.3	164.0
177.2	-	-	-	-	26.7	191.8	172.0	218.3	183.0	190.7	159.8	28.7	224.9	183.0	224.9	183.0	224.9	183.0	177.2
190.3	-	-	-	-	18.7	181.5	164.6	207.6	175.3	182.2	153.7	20.3	216.1	176.4	216.1	176.4	216.1	176.4	190.3
203.4	-	-	-	-	11.4	172.0	157.6	198.4	168.7	174.9	148.1	12.5	207.2	170.4	207.2	170.3	207.2	170.4	203.4
210.0	-	-	-	-	7.9	163.7	154.9	194.0	165.3	171.2	145.1	8.8	202.8	167.8	202.8	167.6	202.8	167.3	210.0
216.5	-	-	-	-	5.8	159.8	152.1	189.6	162.0	167.6	142.2	-	198.4	164.2	198.4	164.2	198.4	164.2	216.5
229.7	-	-	-	-	5.0	154.0	143.3	180.8	156.9	160.9	137.8	-	191.1	159.8	191.1	159.8	190.0	159.8	229.7
242.8	-	-	-	-	4.2	146.2	138.5	171.6	152.1	155.1	133.7	-	184.1	155.4	183.7	155.4	182.2	155.4	242.8
255.9	-	-	-	-	3.4	141.1	133.4	162.0	147.7	149.9	130.1	-	177.5	151.0	176.4	151.0	174.2	151.0	255.9
269.0	-	-	-	-	3.0	136.3	129.7	150.3	143.3	141.8	126.4	-	165.0	146.6	163.9	146.6	161.7	146.6	269.0
282.2	-	-	-	-	2.6	133.0	126.4	139.3	136.7	132.6	122.8	-	153.2	142.9	152.1	142.9	149.9	142.6	282.2
295.3	-	-	-	-	2.1	130.1	123.5	129.0	127.9	122.4	120.2	-	142.2	140.0	141.1	140.0	138.9	138.9	295.3
308.4	-	-	-	-	1.7	121.3	119.6	118.8	119.0	113.1	111.0	-	132.3	132.3	131.2	131.7	129.3	129.3	308.4
321.5	-	-	-	-	1.4	112.9	113.0	107.2	109.3	104.3	102.1	-	122.7	123.1	121.6	122.0	119.8	119.8	321.5
334.6	-	-	-	-	1.1	104.9	105.4	94.6	98.8	95.9	93.3	-	112.4	113.5	111.3	112.4	110.2	110.2	334.6
347.8	-	-	-	-	0.9	97.9	98.2	82.5	84.8	88.0	85.6	-	104.5	105.2	103.4	104.1	102.0	102.8	347.8
360.9	-	-	-	-	0.7	91.2	91.4	71.5	74.1	80.8	78.4	-	97.0	98.1	96.0	97.1	94.4	95.5	360.9
374.0	-	-	-	-	0.5	84.9	85.1	61.7	61.1	73.9	71.7	-	89.9	91.5	89.1	90.6	87.5	89.1	374.0
380.6	-	-	-	-	0.4	82.1	82.2	55.8	43.9	70.9	68.6	-	87.2	88.8	86.3	88.0	84.6	86.4	380.6
383.9	-	-	-	-	0.3	80.6	39.2	52.8	-	69.4	-	-	85.8	-	84.9	-	83.1	-	383.9
387.1	-	-	-	-	0.2	79.2	-	49.8	-	68.0	-	-	84.4	-	83.5	-	81.8	-	387.1
393.7	-	-	-	-	0.1	76.5	-	45.2	-	65.0	-	-	81.6	-	80.7	-	79.1	-	393.7

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%									
				413.4 ft															
				LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14															
				39.4 ft															
		0 lb		0 lb - 716.6 klb															
ft		1,000 lb																	
55.8	209.4	218.3	-	-	-	238.1	-	266.8	-	293.2	-	332.9	-	366.0	-	55.8			
59.1	198.4	218.3	212.7	-	235.9	231.5	238.1	231.5	266.8	255.7	293.2	284.4	304.2	286.6	332.9	286.6	366.0	280.0	59.1
65.6	176.4	217.2	211.6	176.4	235.9	229.3	238.1	229.3	266.8	246.9	293.2	277.8	304.2	277.8	332.9	277.8	366.0	271.2	65.6
72.2	158.7	216.1	211.6	172.0	234.8	229.3	237.0	229.3	266.8	240.3	293.2	269.0	304.2	269.0	331.8	269.0	361.6	262.4	72.2
78.7	143.3	216.1	210.5	167.6	233.7	229.3	235.9	229.3	266.8	231.5	293.2	262.4	304.2	262.4	330.7	262.4	346.1	255.7	78.7
85.3	129.0	215.0	210.5	164.2	232.6	227.1	234.8	227.1	266.8	224.9	293.2	253.5	303.1	253.5	329.6	253.5	334.0	248.0	85.3
91.9	116.8	212.7	209.4	160.9	231.5	227.1	233.7	224.9	266.8	219.4	293.2	246.9	302.0	246.9	328.5	246.9	321.9	240.3	91.9
98.4	106.0	211.6	207.2	157.6	230.4	224.9	231.5	224.9	263.5	213.8	292.1	240.3	302.0	240.3	317.5	240.3	310.9	233.7	98.4
111.5	88.1	209.1	204.3	151.8	228.2	221.9	228.2	221.2	252.4	202.8	289.9	228.5	295.4	228.5	297.6	228.5	291.0	222.1	111.5
124.7	72.5	206.5	200.6	146.2	224.9	218.6	224.9	217.2	237.4	192.5	279.3	217.9	280.7	217.9	280.7	217.9	274.5	212.2	124.7
137.8	59.1	202.8	196.2	141.1	220.5	215.0	220.5	212.7	222.7	183.0	264.6	208.3	264.6	208.3	264.6	208.3	259.4	202.5	137.8
150.9	48.5	198.4	191.1	136.7	216.1	210.5	215.3	206.9	212.4	174.9	251.3	200.3	251.3	200.3	251.3	200.3	244.7	192.9	150.9
164.0	39.0	193.6	185.6	132.3	209.4	203.2	205.4	198.0	202.5	167.6	238.8	192.2	238.8	192.2	238.8	192.2	233.0	185.6	164.0
177.2	30.6	188.5	179.7	127.9	205.0	196.2	198.4	190.7	192.9	160.9	227.1	184.1	227.1	184.1	227.1	184.1	221.9	178.6	177.2
190.3	22.6	180.8	171.2	124.2	197.3	188.1	191.4	184.1	184.1	155.1	218.3	178.2	218.3	178.2	218.3	178.2	211.6	172.0	190.3
203.4	15.1	172.6	165.6	121.0	189.6	181.4	185.7	174.7	176.8	149.7	209.4	172.3	209.4	172.3	209.7	172.3	202.8	165.3	203.4
216.5	8.4	166.4	159.8	117.9	184.1	176.4	175.3	168.7	169.8	144.4	201.7	166.4	201.7	166.4	201.7	166.4	194.7	159.5	216.5
229.7	-	158.4	150.3	115.2	176.7	167.9	169.4	160.2	163.1	139.3	194.4	161.3	194.0	161.3	194.4	161.3	187.4	154.3	229.7
242.8	-	152.1	144.0	112.4	171.2	160.9	161.7	155.4	157.3	134.8	186.7	156.5	186.3	156.5	184.8	156.5	180.8	149.9	242.8
255.9	-	147.7	138.9	110.2	165.3	156.5	156.5	151.0	152.1	131.2	178.6	152.1	177.5	152.1	173.1	152.1	171.2	145.9	255.9
269.0	-	142.2	136.0	108.5	153.6	150.6	149.9	146.2	144.8	127.5	165.3	147.7	164.2	147.7	159.8	147.7	158.7	142.2	269.0
282.2	-	137.8	132.3	106.7	142.6	142.9	141.8	140.4	136.0	124.2	153.2	144.0	152.5	144.0	147.7	143.3	146.2	138.5	282.2
295.3	-	133.4	130.1	104.9	132.3	133.4	132.3	132.3	125.7	121.3	142.2	141.1	142.2	141.1	136.7	137.8	134.8	133.4	295.3
308.4	-	124.6	123.9	103.5	123.5	123.7	123.5	123.5	116.1	114.6	132.3	133.4	132.3	132.3	127.1	127.5	124.6	124.6	308.4
321.5	-	116.2	116.3	102.1	115.2	116.1	115.1	115.2	107.5	107.3	123.1	124.2	123.1	123.1	117.9	117.9	114.9	115.0	321.5
334.6	-	108.2	108.7	101.0	107.6	108.0	107.1	107.6	99.6	99.0	113.5	114.6	113.5	113.5	109.1	109.3	105.6	105.8	334.6
344.5	-	103.0	103.3	80.2	102.3	102.6	101.9	102.2	94.2	93.1	107.5	108.5	107.3	107.7	102.7	103.2	99.0	99.2	344.5
347.8	-	101.2	101.5	-	100.5	100.8	100.1	100.4	92.4	91.2	105.5	106.4	105.2	105.8	100.6	101.1	96.8	97.0	347.8
360.9	-	94.5	94.7	-	93.8	93.8	93.4	93.6	85.6	83.9	97.8	98.8	97.6	98.4	92.7	93.6	88.8	89.1	360.9
374.0	-	88.2	88.4	-	87.5	86.9	87.1	87.3	79.4	77.2	90.6	91.9	90.4	91.5	85.5	86.9	81.6	81.9	374.0
387.1	-	82.6	82.8	-	79.1	78.5	81.5	81.7	73.2	71.0	84.7	86.2	84.5	86.0	79.8	81.4	74.5	75.0	387.1
390.4	-	81.2	81.4	-	77.1	-	80.1	80.2	71.7	-	83.3	-	83.0	-	78.4	-	73.0	-	390.4
400.3	-	77.2	-	-	70.1	-	76.3	-	67.5	-	79.4	-	78.9	-	74.5	-	68.6	-	400.3

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb				27.6 ft		32.2 ft/s		360°		75%		
				423.2 ft								
				LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14								
				39.4 ft								
				0 lb		0 lb - 716.6 klb						
						1,000 lb						
ft	15°	20°	30°	15°	20°	15°	20°	15°	20°	15°	20°	
55.8	-	-	-	-	-	227.1	-	255.7	-	282.2	-	
59.1	-	-	-	-	224.9	222.7	227.1	220.5	255.7	249.1	282.2	273.4
65.6	-	-	-	-	224.9	220.5	227.1	220.5	253.5	249.1	282.2	273.4
72.2	-	-	-	-	223.8	220.5	226.0	220.5	253.5	240.3	282.2	271.2
78.7	-	-	-	-	222.7	220.5	224.9	220.5	253.5	233.7	282.2	262.4
85.3	-	-	-	-	222.7	220.5	223.8	220.5	253.5	227.1	282.2	255.7
91.9	-	-	-	-	222.7	219.4	222.7	219.4	253.5	220.5	282.2	249.1
98.4	-	-	-	-	221.6	218.3	222.7	218.3	252.4	215.0	281.1	242.5
111.5	-	-	-	-	218.8	215.3	221.6	214.6	249.1	203.9	278.9	230.8
124.7	-	-	-	-	217.2	212.4	219.0	211.3	239.6	194.0	272.6	220.1
137.8	-	-	-	-	215.0	209.4	216.1	208.3	224.9	185.2	266.8	210.5
150.9	-	-	-	-	211.3	205.8	211.6	203.9	214.6	177.1	252.1	201.7
164.0	-	-	-	-	205.4	199.9	203.9	197.3	204.7	169.4	241.8	193.6
177.2	-	-	-	-	201.7	196.2	199.5	192.9	195.1	162.0	231.5	186.3
190.3	-	-	-	-	195.1	190.3	192.9	184.5	186.3	156.5	221.2	179.7
203.4	-	-	-	-	189.2	186.3	188.5	178.9	178.6	150.6	211.6	173.4
216.5	-	-	-	-	185.2	177.5	181.9	173.1	172.0	145.5	203.9	167.6
229.7	-	-	-	-	178.6	171.6	174.5	166.8	165.3	141.1	196.6	162.4
242.8	-	-	-	-	172.0	166.4	169.0	160.2	159.1	136.7	187.4	157.6
255.9	-	-	-	-	163.1	162.0	163.1	156.5	153.2	132.3	176.4	153.2
269.0	-	-	-	-	151.4	151.8	151.4	149.2	143.7	128.6	163.1	149.5
282.2	-	-	-	-	140.4	141.5	140.4	140.4	133.2	125.0	151.0	145.5
295.3	-	-	-	-	130.1	131.2	130.1	130.1	123.5	122.4	140.0	141.1
308.4	-	-	-	-	121.3	121.8	121.3	121.3	114.1	113.4	130.5	130.6
321.5	-	-	-	-	113.0	113.8	112.9	113.0	105.3	104.4	120.5	120.9
334.6	-	-	-	-	105.2	105.6	104.9	105.4	97.2	95.9	110.2	111.3
347.8	-	-	-	-	98.0	98.4	97.7	98.1	90.0	88.1	102.4	102.9
360.9	-	-	-	-	91.2	90.5	91.2	91.4	82.9	80.5	94.6	95.2
374.0	-	-	-	-	84.9	82.0	84.9	85.1	76.1	73.9	87.1	88.2
387.1	-	-	-	-	76.9	71.7	79.2	79.1	69.9	67.8	80.8	82.2
397.0	-	-	-	-	69.2	45.4	75.3	74.7	65.5	63.5	76.8	78.3
400.3	-	-	-	-	66.3	-	74.0	-	64.2	-	75.5	-
410.1	-	-	-	-	57.5	-	70.3	-	60.2	-	71.7	-

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%											
		433.1 ft																	
		LSL+LF_2	LSL+LF_3	LSL+LF_4	LSL+LF_6	LSL+LF_8	LSL+LF_10	LSL+LF_12	LSL+LF_14										
		39.4 ft																	
		0 lb - 716.6 klb																	
0 lb		1,000 lb																	
ft	ft	15°	20°	30°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	ft		
55.8	185.2	191.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.8		
59.1	185.2	190.7	187.4	-	217.2	212.7	218.3	212.7	240.3	235.9	271.2	-	280.0	-	308.6	-	339.5	-	59.1
62.3	176.9	190.7	186.8	-	216.6	212.2	217.7	212.7	240.3	235.9	271.2	262.4	280.0	273.4	308.6	284.4	339.5	277.8	62.3
65.6	169.8	190.7	186.3	169.8	216.1	211.6	217.2	212.7	240.3	235.9	271.2	262.4	280.0	273.4	308.6	280.0	339.5	273.4	65.6
72.2	152.1	189.6	185.2	168.7	215.5	211.6	216.6	211.6	240.3	235.9	271.2	262.4	280.0	271.2	308.6	271.2	339.5	264.6	72.2
78.7	136.7	188.5	185.2	168.7	215.0	210.5	216.1	210.5	240.3	233.7	271.2	262.4	280.0	264.6	308.6	264.6	339.5	257.9	78.7
85.3	123.5	187.4	184.1	165.3	214.4	209.4	215.0	209.4	239.2	227.1	269.0	255.7	280.0	255.7	306.4	255.7	332.9	250.2	85.3
91.9	111.3	185.2	181.9	162.0	213.8	208.3	215.0	209.4	238.1	220.5	269.0	249.1	280.0	249.1	304.2	249.1	326.3	242.5	91.9
98.4	101.4	184.1	180.8	158.7	212.7	207.2	213.8	208.3	238.1	216.1	267.9	242.5	280.0	242.5	304.2	242.5	316.4	237.0	98.4
111.5	83.9	181.9	178.6	152.9	210.0	205.0	211.6	205.4	237.0	205.0	265.7	232.2	277.8	232.2	298.7	232.2	296.5	226.0	111.5
124.7	68.6	180.0	176.4	147.3	206.9	202.1	209.1	202.5	233.0	195.1	262.4	221.9	271.2	221.9	285.1	221.9	278.9	215.0	124.7
137.8	55.3	178.6	174.2	142.2	203.9	198.4	206.1	199.5	227.1	186.3	257.9	211.6	262.4	211.6	269.0	211.6	263.8	205.0	137.8
150.9	45.0	174.9	170.5	137.8	199.5	193.3	202.5	195.8	216.8	178.2	247.7	203.6	253.5	203.6	255.7	203.6	249.1	196.2	150.9
164.0	35.7	171.2	167.2	133.4	194.4	188.5	196.6	189.6	206.9	170.9	239.6	195.5	242.5	195.5	244.0	195.5	237.4	188.9	164.0
177.2	27.3	167.6	164.2	129.0	188.5	184.1	192.9	185.2	197.3	164.2	233.7	187.4	233.7	187.4	233.7	187.4	226.7	181.5	177.2
190.3	19.8	163.9	160.6	126.0	182.6	175.6	186.3	178.6	188.5	157.6	223.4	180.8	223.4	180.8	223.1	181.2	217.2	174.2	190.3
203.4	12.6	157.6	154.3	122.9	177.5	170.9	180.8	174.2	180.4	151.8	215.0	175.3	215.0	175.3	215.0	174.9	207.6	168.3	203.4
210.0	9.0	155.4	152.1	121.3	174.7	164.8	178.0	172.0	176.7	149.2	210.5	172.5	210.5	172.5	210.5	172.3	203.9	165.3	210.0
216.5	-	153.2	149.9	119.0	172.0	162.0	176.4	169.8	173.1	146.6	206.1	169.8	206.1	169.8	206.1	169.8	199.9	162.8	216.5
229.7	-	147.3	143.3	116.8	164.6	155.4	169.8	162.0	167.2	142.2	198.8	164.6	198.8	164.6	196.6	164.6	191.8	157.6	229.7
242.8	-	141.8	138.9	114.3	157.6	150.6	164.2	155.8	161.3	137.8	188.1	159.5	188.1	159.5	184.1	159.5	180.0	153.2	242.8
255.9	-	137.8	134.5	111.3	153.2	145.5	159.8	152.1	155.4	133.4	174.2	154.3	174.2	154.3	168.7	154.3	166.8	148.8	255.9
269.0	-	134.1	129.7	109.6	147.3	140.0	148.8	147.0	143.1	129.7	161.7	150.6	160.9	150.6	156.2	150.6	152.1	144.4	269.0
282.2	-	131.2	126.4	107.8	139.3	134.5	138.2	139.3	131.5	125.3	149.9	145.5	149.0	145.5	144.0	144.8	139.6	141.1	282.2
295.3	-	129.0	123.5	106.0	129.0	127.9	127.9	129.0	121.3	120.2	138.9	138.9	137.8	138.9	133.4	133.4	128.2	130.8	295.3
308.4	-	121.8	120.9	104.4	120.2	117.7	119.0	120.2	111.9	111.2	128.6	128.6	128.2	128.6	123.1	123.1	117.9	119.0	308.4
321.5	-	113.8	114.0	103.0	111.6	107.1	110.7	111.6	103.3	102.4	118.6	118.8	118.5	118.6	113.4	113.4	108.0	109.0	321.5
334.6	-	105.6	106.0	101.6	103.4	96.6	103.0	103.4	95.2	93.7	108.9	109.3	108.7	108.9	103.8	103.8	99.3	100.1	334.6
347.8	-	98.4	98.8	97.8	95.2	85.8	95.7	96.1	88.0	86.1	100.2	100.7	100.0	100.4	95.2	95.2	90.6	91.3	347.8
360.9	-	91.6	92.1	59.1	85.4	75.5	89.0	89.4	81.0	78.7	92.2	92.9	91.9	92.5	87.0	87.3	82.8	83.3	360.9
374.0	-	85.3	85.8	-	74.1	64.6	82.7	82.9	74.1	71.7	84.9	85.5	84.4	85.3	79.6	80.5	75.5	75.8	374.0
387.1	-	79.7	80.0	-	62.7	53.9	77.1	76.7	67.8	65.6	78.4	79.5	78.1	79.3	73.3	74.6	68.6	68.8	387.1
400.3	-	74.4	74.6	-	51.4	43.0	71.9	70.9	61.9	59.7	72.6	74.0	72.4	73.8	67.5	69.2	62.3	62.6	400.3
403.5	-	73.2	73.4	-	48.6	40.1	70.7	69.5	60.5	58.4	71.3	72.8	71.1	72.5	66.3	67.9	60.8	61.1	403.5
406.8	-	71.9	72.1	-	45.8	-	69.4	68.1	59.2	-	70.0	-	69.8	-	65.0	-	59.3	-	406.8
410.1	-	70.7	32.0	-	43.0	-	68.2	-	57.8	-	68.7	-	68.5	-	63.7	-	57.9	-	410.1
413.4	-	69.4	-	-	40.1	-	67.0	-	56.4	-	67.5	-	67.2	-	62.6	-	56.5	-	413.4
419.9	-	67.2	-	-	34.4	-	64.6	-	54.0	-	65.3	-	65.0	-	60.4	-	53.8	-	419.9

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%									
				442.9 ft															
				LSL+LF_2	LSL+LF_3	LSL+LF_4	LSL+LF_6	LSL+LF_8	LSL+LF_10	LSL+LF_12	LSL+LF_14								
				39.4 ft															
		0 lb		0 lb - 716.6 klb															
ft		1,000 lb																	
59.1	-	-	-	-	-	208.3	-	227.1	-	257.9	-	269.0	-	295.4	-	324.1	-	59.1	
62.3	-	-	-	-	206.1	203.9	208.3	202.8	227.1	222.7	257.9	251.3	269.0	262.4	295.4	284.4	324.1	280.0	62.3
65.6	-	-	-	-	206.1	203.9	208.3	202.8	227.1	222.7	257.9	251.3	269.0	262.4	295.4	280.0	324.1	275.6	65.6
72.2	-	-	-	-	206.1	202.8	207.8	201.7	226.0	222.7	257.9	251.3	269.0	262.4	295.4	273.4	324.1	266.8	72.2
78.7	-	-	-	-	206.1	202.8	207.2	201.7	224.9	222.7	257.9	251.3	269.0	262.4	295.4	264.6	324.1	257.9	78.7
85.3	-	-	-	-	205.0	201.7	206.7	200.6	224.9	222.7	256.8	251.3	267.9	257.9	294.3	257.9	324.1	251.3	85.3
91.9	-	-	-	-	203.9	200.6	206.1	199.5	224.9	222.7	255.7	251.3	266.8	251.3	293.2	251.3	324.1	244.7	91.9
98.4	-	-	-	-	202.8	199.5	205.0	199.5	223.8	217.2	255.7	244.7	266.8	244.7	293.2	244.7	316.4	238.1	98.4
111.5	-	-	-	-	200.6	197.3	202.8	197.3	221.6	206.9	253.5	233.0	264.6	233.0	291.0	233.0	299.8	226.0	111.5
124.7	-	-	-	-	198.8	195.1	201.0	195.5	220.1	196.9	249.9	222.7	260.1	222.7	285.1	222.7	282.2	216.1	124.7
137.8	-	-	-	-	197.3	192.9	199.5	194.0	219.4	187.4	246.9	213.8	255.7	213.8	273.4	213.8	266.0	207.2	137.8
150.9	-	-	-	-	193.6	190.0	196.6	190.3	215.0	179.3	237.4	205.0	246.9	205.0	260.1	205.0	251.3	198.4	150.9
164.0	-	-	-	-	190.0	186.7	192.2	185.6	208.3	172.0	231.5	196.9	239.6	196.9	247.7	196.9	239.6	190.3	164.0
177.2	-	-	-	-	186.3	183.0	188.5	181.9	199.5	165.3	227.1	189.6	233.7	189.6	235.9	189.6	228.9	183.0	177.2
190.3	-	-	-	-	181.7	177.1	183.4	176.7	190.7	159.5	218.3	183.0	224.9	183.0	224.9	183.0	219.4	176.4	190.3
203.4	-	-	-	-	176.0	170.0	177.8	172.6	182.6	153.6	211.4	176.7	216.4	176.7	216.4	176.7	210.5	170.3	203.4
216.5	-	-	-	-	172.0	166.4	174.2	168.7	175.3	147.7	206.1	170.9	208.3	170.9	208.3	170.9	202.1	164.6	216.5
229.7	-	-	-	-	163.9	158.7	169.4	164.2	168.7	143.3	198.0	165.7	198.8	165.7	195.8	165.7	194.0	158.7	229.7
242.8	-	-	-	-	154.7	152.9	165.0	159.5	161.3	138.9	186.7	160.9	186.7	160.9	181.9	160.9	177.8	154.3	242.8
255.9	-	-	-	-	144.4	148.8	159.8	156.5	153.2	134.5	172.0	156.5	172.0	156.5	166.4	156.5	162.8	149.9	255.9
269.0	-	-	-	-	135.6	144.4	148.1	147.0	140.4	131.2	159.5	152.1	158.7	152.1	154.1	152.1	148.8	145.5	269.0
282.2	-	-	-	-	126.8	137.2	136.7	137.2	129.3	124.9	147.7	146.1	146.2	146.2	141.8	142.2	136.2	138.3	282.2
295.3	-	-	-	-	117.9	126.8	126.8	126.8	119.0	116.8	136.7	136.7	135.6	135.6	130.1	131.2	124.6	126.4	295.3
308.4	-	-	-	-	109.3	117.9	117.2	117.9	109.2	107.6	125.7	125.7	124.6	125.3	120.2	119.7	113.5	114.6	308.4
321.5	-	-	-	-	100.2	109.3	108.6	109.4	100.8	98.9	115.2	115.2	114.6	115.1	109.9	109.9	104.6	105.5	321.5
334.6	-	-	-	-	90.8	100.8	100.8	101.2	92.6	90.4	105.8	106.0	105.2	105.4	100.3	100.3	95.8	96.6	334.6
347.8	-	-	-	-	81.4	88.7	93.5	94.0	84.9	82.7	97.2	97.5	96.5	96.9	91.5	91.7	87.3	88.0	347.8
360.9	-	-	-	-	72.2	76.6	86.8	86.9	77.7	75.5	88.8	89.4	88.2	88.6	83.5	83.8	79.5	80.0	360.9
374.0	-	-	-	-	62.8	65.0	80.5	80.0	70.8	68.6	81.6	82.0	80.9	81.6	75.8	76.5	72.1	72.4	374.0
387.1	-	-	-	-	53.6	53.4	74.9	73.7	64.4	62.4	75.0	75.8	74.4	75.4	69.4	70.3	65.0	65.5	387.1
400.3	-	-	-	-	44.3	41.0	69.6	67.8	58.7	56.7	69.0	70.3	68.5	69.8	63.5	64.7	58.9	59.2	400.3
410.1	-	-	-	-	37.3	32.2	65.8	63.8	54.5	52.7	65.0	66.5	64.4	66.1	59.5	61.2	54.4	54.7	410.1
413.4	-	-	-	-	34.8	-	64.6	62.4	53.1	51.4	63.7	65.3	63.1	64.8	58.2	60.0	53.0	53.4	413.4
426.5	-	-	-	-	25.6	-	60.2	-	48.3	-	59.1	-	58.6	-	53.8	-	47.4	-	426.5

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb										27.6 ft		32.2 ft/s		360°		75%		
										452.8 ft								
										LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14								
										39.4 ft								
										0 lb		0 lb - 716.6 klb						
										1,000 lb								
										ft		ft		ft		ft		
59.1	160.9	165.3	-	-	-	-	196.2	-	208.3	244.7	-	257.9	-	277.8	-	317.5	59.1	
62.3	159.8	165.3	162.0	-	179.7	175.3	196.2	196.2	207.8	203.9	244.7	240.3	257.9	253.5	277.8	271.2	317.5	280.0
65.6	159.8	165.3	160.9	-	179.7	175.3	196.2	196.2	207.2	203.9	244.7	240.3	257.9	253.5	277.8	271.2	317.5	275.6
68.9	153.2	164.2	160.4	149.9	179.1	174.7	196.2	196.2	207.2	203.9	244.2	240.3	257.9	253.5	277.8	271.2	317.5	271.2
72.2	147.7	163.1	159.8	148.8	178.6	174.2	196.2	196.2	207.2	203.9	243.6	240.3	257.9	253.5	277.8	271.2	317.5	266.8
78.7	132.3	162.0	158.7	148.8	177.5	173.1	196.2	196.2	207.2	202.8	242.5	240.3	257.9	253.5	277.8	266.8	317.5	260.1
85.3	120.2	162.0	157.6	147.7	176.4	172.0	196.2	196.2	206.1	202.8	241.4	238.1	256.8	253.5	276.7	260.1	316.4	253.5
91.9	108.2	160.9	157.6	147.7	175.3	170.9	196.2	196.2	205.0	201.7	240.3	238.1	255.7	251.3	275.6	253.5	315.3	246.9
98.4	97.9	159.8	156.5	146.6	173.6	169.8	196.2	196.2	203.9	201.7	239.2	235.9	255.7	246.9	275.6	246.9	313.1	240.3
111.5	80.8	156.9	153.6	145.1	170.9	167.6	196.2	195.5	201.7	198.8	237.0	231.5	253.5	235.2	274.5	235.2	302.0	228.2
124.7	65.8	154.0	151.0	143.3	168.7	165.0	196.2	194.4	199.5	194.4	234.4	224.5	249.9	224.5	271.2	245.5	284.4	217.7
137.8	52.9	152.1	148.8	141.1	166.4	162.0	196.2	192.9	197.3	188.5	231.5	215.0	246.9	215.0	266.8	215.0	269.0	208.3
150.9	42.6	149.2	145.9	138.2	162.8	159.1	193.3	189.2	193.6	180.4	227.1	206.1	239.6	206.1	255.0	206.1	255.7	199.5
164.0	33.4	145.9	142.9	134.8	159.1	155.8	189.2	185.9	189.6	173.1	222.7	198.0	230.8	198.0	245.4	198.0	242.5	191.4
177.2	25.4	142.2	140.0	131.2	155.4	152.1	185.2	183.0	185.2	166.4	218.3	190.7	224.9	190.7	238.1	190.7	230.8	184.1
190.3	18.2	139.3	137.1	127.5	152.5	149.2	181.9	177.3	179.7	160.6	213.8	184.5	220.5	184.5	227.1	184.1	220.5	177.5
203.4	11.0	136.0	134.5	124.2	146.8	144.8	175.3	170.1	174.2	155.1	209.4	178.1	212.7	177.8	218.6	177.8	212.4	171.7
206.7	9.3	135.4	133.7	123.5	145.9	143.6	173.6	169.2	173.1	153.8	208.3	176.6	211.6	176.4	216.6	176.4	210.4	170.2
216.5	-	133.4	131.2	120.2	143.3	141.1	170.9	166.4	169.8	149.9	205.0	172.0	208.3	172.0	210.5	172.0	202.5	166.1
229.7	-	128.2	126.0	117.9	138.5	137.4	165.7	159.8	164.2	144.8	194.7	166.8	196.6	166.8	197.3	166.8	190.7	160.9
242.8	-	123.8	122.4	115.4	135.2	132.6	161.3	153.6	159.8	140.4	183.0	162.0	183.7	162.0	183.0	162.0	175.3	155.8
255.9	-	120.2	117.9	112.4	132.3	129.0	157.6	149.9	155.4	136.7	169.8	157.6	169.8	157.6	167.6	157.6	160.5	151.4
269.0	-	117.2	115.0	110.5	127.1	124.9	145.9	144.0	144.4	132.3	157.3	153.2	157.3	153.2	155.1	152.5	146.6	147.7
282.2	-	113.0	111.6	108.5	124.2	121.8	135.6	136.0	133.4	128.8	144.4	145.1	145.5	145.5	142.9	144.0	134.1	136.2
295.3	-	110.2	109.8	105.4	120.2	117.9	124.6	125.7	122.4	123.5	133.4	133.4	133.4	134.5	131.2	132.3	122.4	124.0
308.4	-	108.2	106.8	103.6	117.2	112.8	115.7	116.1	113.4	114.1	123.1	123.1	123.1	123.5	121.6	122.0	111.3	112.4
321.5	-	106.1	104.9	101.7	111.6	105.7	107.1	107.4	104.9	105.1	112.8	112.8	112.4	112.4	112.0	112.1	102.7	103.6
334.6	-	104.1	103.2	100.5	103.4	98.3	99.0	99.4	96.8	96.8	103.6	103.8	103.4	103.6	102.3	102.5	94.1	94.8
347.8	-	96.9	96.9	96.4	94.9	91.0	91.8	92.2	89.6	89.1	94.9	95.3	94.7	95.1	93.5	93.8	85.8	86.4
360.9	-	90.1	90.5	91.1	86.4	83.6	85.0	85.4	82.7	81.8	86.8	87.3	86.6	87.0	85.2	85.8	78.1	78.6
374.0	-	83.8	84.0	73.9	78.0	76.1	78.7	79.1	76.5	75.0	79.4	80.0	78.9	79.6	77.6	78.3	70.8	71.1
387.1	-	78.0	78.3	-	69.5	68.7	73.1	73.4	70.6	68.8	72.8	73.6	72.3	73.3	71.1	71.9	63.9	64.2
400.3	-	72.7	73.0	-	61.0	61.4	67.8	68.0	64.8	62.8	66.6	67.7	66.1	67.4	64.8	66.0	57.6	58.0
413.4	-	67.7	67.9	-	53.1	54.0	62.8	63.1	59.3	57.3	61.1	62.6	60.6	62.2	59.5	60.8	51.7	52.0
419.9	-	65.5	65.7	-	48.7	50.3	60.5	60.7	56.8	54.9	58.8	60.2	58.3	60.0	57.2	58.6	48.9	49.2
426.5	-	63.3	26.0	-	44.4	-	58.3	49.2	54.3	-	56.5	-	56.1	-	55.0	-	46.3	-
436.4	-	60.0	-	-	38.1	-	55.1	-	50.7	-	53.1	-	52.9	-	51.8	-	42.5	-

LSL+LF_14: 496,100 lb + 110,200 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%											
				462.6 ft																	
				LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14																	
				39.4 ft																	
		0 lb		0 lb - 716.6 klb																	
ft		1,000 lb																			
59.1	-	-	-	-	-	196.2	-	198.4	-	233.7	-	242.5	-	264.6	-	302.0	-	59.1			
62.3	-	-	-	-	-	172.0	168.7	196.2	194.0	198.4	195.1	233.7	-	242.5	-	264.6	-	302.0	-	62.3	
65.6	-	-	-	-	-	172.0	168.7	196.2	194.0	198.4	195.1	233.7	229.3	242.5	240.3	264.6	260.1	302.0	275.6	65.6	
72.2	-	-	-	-	-	170.9	167.6	195.7	192.9	197.9	194.0	232.6	229.3	241.4	238.1	264.6	260.1	302.0	269.0	72.2	
78.7	-	-	-	-	-	169.8	166.4	195.1	192.9	197.3	194.0	231.5	229.3	240.3	238.1	264.6	260.1	302.0	260.1	78.7	
85.3	-	-	-	-	-	169.2	165.3	195.1	191.8	196.2	192.9	230.4	227.1	239.2	238.1	264.6	260.1	300.9	253.5	85.3	
91.9	-	-	-	-	-	168.7	165.3	195.1	191.8	195.1	192.9	229.3	227.1	238.1	235.9	264.6	253.5	299.8	246.9	91.9	
98.4	-	-	-	-	-	167.6	164.2	194.0	190.7	194.6	192.9	229.3	227.1	237.0	235.9	263.5	246.9	298.7	241.4	98.4	
111.5	-	-	-	-	-	165.3	162.0	192.4	189.2	192.9	190.7	228.2	224.1	234.8	231.5	261.2	235.2	296.5	229.3	111.5	
124.7	-	-	-	-	-	162.8	159.8	191.1	187.8	190.7	188.5	225.6	220.5	232.2	224.9	257.9	224.9	286.6	218.3	124.7	
137.8	-	-	-	-	-	160.9	157.6	189.6	186.3	188.5	186.3	222.7	216.1	229.3	216.1	253.5	216.1	271.2	209.4	137.8	
150.9	-	-	-	-	-	158.0	154.7	186.7	183.4	185.6	181.1	218.3	208.0	224.9	208.0	244.0	208.0	257.9	200.6	150.9	
164.0	-	-	-	-	-	155.1	152.1	184.1	180.8	182.6	174.9	213.8	199.9	220.8	199.9	235.2	199.9	244.7	193.3	164.0	
177.2	-	-	-	-	-	152.1	149.9	181.9	178.6	179.7	167.6	209.4	191.8	217.2	191.8	229.3	191.8	232.8	185.9	177.2	
190.3	-	-	-	-	-	149.5	147.3	176.4	174.5	175.9	162.0	206.1	185.6	213.8	185.6	221.8	185.4	222.7	178.6	190.3	
203.4	-	-	-	-	-	145.1	142.9	171.6	170.5	171.2	156.2	201.0	178.9	209.4	178.9	213.8	178.9	214.6	172.7	203.4	
216.5	-	-	-	-	-	142.2	140.0	168.7	167.6	167.6	151.0	197.3	173.1	205.0	173.1	207.2	173.1	202.1	167.2	216.5	
229.7	-	-	-	-	-	138.2	135.6	163.5	161.7	162.4	145.9	189.2	167.9	191.8	167.9	193.3	167.9	185.2	162.0	229.7	
242.8	-	-	-	-	-	134.5	132.3	160.2	155.8	158.0	141.5	178.6	163.1	178.6	163.1	179.3	163.1	170.5	156.9	242.8	
255.9	-	-	-	-	-	130.1	130.1	156.5	152.1	152.1	137.8	165.3	158.7	165.3	158.7	165.3	158.7	155.8	152.1	255.9	
269.0	-	-	-	-	-	127.9	125.7	144.8	143.3	141.5	133.4	152.9	151.4	152.9	151.4	152.1	153.2	142.2	143.3	269.0	
282.2	-	-	-	-	-	124.0	123.5	132.9	134.0	131.2	128.2	141.1	141.5	140.7	141.8	140.7	140.7	129.9	130.8	282.2	
295.3	-	-	-	-	-	121.3	119.0	122.4	123.5	120.2	120.2	130.1	130.1	129.0	130.1	129.0	129.0	118.3	119.4	295.3	
308.4	-	-	-	-	-	116.1	113.9	113.5	114.3	110.2	110.8	119.0	119.8	118.7	119.0	117.6	117.6	117.9	108.0	109.1	308.4
321.5	-	-	-	-	-	109.4	106.9	104.9	105.6	102.4	101.7	109.1	110.1	109.0	109.1	107.9	107.9	108.7	98.5	99.7	321.5
334.6	-	-	-	-	-	101.2	98.1	96.8	97.4	94.4	93.5	100.3	100.5	99.9	100.1	98.8	99.0	89.9	90.8	334.6	
347.8	-	-	-	-	-	94.0	89.1	89.6	90.1	86.9	85.9	91.5	92.1	91.1	91.3	90.0	90.2	81.6	82.2	347.8	
360.9	-	-	-	-	-	86.0	80.1	82.8	83.3	80.3	78.8	83.7	84.2	83.1	83.6	81.9	82.2	74.1	74.6	360.9	
374.0	-	-	-	-	-	77.2	71.0	76.5	76.9	73.9	71.9	76.1	76.7	75.6	76.1	74.3	74.7	66.9	67.2	374.0	
387.1	-	-	-	-	-	67.5	62.5	70.9	71.2	67.7	65.6	69.4	70.3	68.7	69.6	67.5	67.9	60.0	60.2	387.1	
400.3	-	-	-	-	-	57.9	53.8	65.6	65.8	61.7	59.7	63.3	64.2	62.6	63.6	61.3	62.3	53.6	53.9	400.3	
413.4	-	-	-	-	-	48.9	45.2	60.6	60.8	56.2	54.2	57.5	58.6	56.9	58.2	55.6	56.9	47.7	48.0	413.4	
426.5	-	-	-	-	-	39.2	35.9	56.1	56.3	51.2	49.3	52.7	54.2	52.2	53.6	50.9	52.5	42.1	42.5	426.5	
429.8	-	-	-	-	-	36.8	-	54.9	55.2	50.0	48.1	51.5	53.1	51.0	52.5	49.7	51.4	40.9	41.2	429.8	
433.1	-	-	-	-	-	35.1	-	53.8	54.0	48.7	-	50.3	-	49.8	-	48.5	-	39.6	-	433.1	
439.6	-	-	-	-	-	30.2	-	51.7	-	46.4	-	48.2	-	47.8	-	46.4	-	37.2	-	439.6	
442.9	-	-	-	-	-	28.2	-	50.7	-	45.2	-	47.2	-	46.7	-	45.4	-	35.9	-	442.9	

LSL+LF_14: 496,100 lb + 110,200 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
				472.4 ft								
				LSL+LF_2 LSL+LF_3 LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14								
				39.4 ft								
		0 lb		0 lb - 716.6 klb								
ft				1,000 lb								
62.3	138.9	143.3	140.0	-	-	162.0	187.4	-	-	220.5	-	
65.6	138.9	143.3	140.0	-	165.3	162.0	187.4	184.1	194.0	189.6	220.5	218.3
68.9	137.8	142.7	139.4	131.2	164.8	161.5	187.1	184.1	194.0	189.6	220.5	217.7
72.2	137.8	142.2	138.9	131.2	164.2	160.9	186.8	184.1	194.0	189.6	220.5	217.2
78.7	127.9	141.1	137.8	130.1	163.1	159.8	186.3	183.0	194.0	189.6	220.5	217.2
85.3	114.6	140.0	136.7	130.1	162.6	158.7	186.3	183.0	193.5	188.5	219.9	217.2
91.9	103.6	138.9	135.6	129.0	162.0	157.6	186.3	181.9	192.9	188.5	219.4	216.1
98.4	93.3	137.8	134.5	127.9	160.4	156.5	185.2	181.9	192.4	187.4	218.8	216.1
111.5	76.5	134.8	132.3	125.7	157.6	154.3	183.0	179.7	190.7	185.9	217.2	215.3
124.7	61.8	132.3	129.7	123.8	155.4	152.1	181.1	177.8	188.5	184.5	215.0	213.5
137.8	49.2	130.1	126.8	122.4	153.2	149.9	179.7	176.4	186.3	183.0	212.7	210.5
150.9	39.2	127.1	124.6	119.4	149.5	146.2	176.7	173.4	184.1	180.0	209.1	206.1
164.0	30.1	124.2	122.0	116.8	146.2	142.9	173.8	170.5	180.8	175.3	205.0	200.6
177.2	22.0	121.3	119.0	114.6	143.3	140.0	170.9	167.6	176.4	168.7	200.6	194.0
190.3	15.3	118.6	116.1	112.4	140.0	136.7	166.7	162.6	173.3	163.1	196.8	187.4
203.4	8.6	115.4	113.5	109.8	136.3	134.1	162.8	156.9	170.5	157.3	193.3	181.1
216.5	-	112.4	111.3	108.0	133.4	131.2	159.8	152.1	167.6	152.1	189.6	175.3
229.7	-	110.1	108.4	105.5	128.6	126.0	154.7	147.0	162.4	147.0	183.7	170.1
242.8	-	106.2	105.3	103.0	124.2	122.0	149.2	142.9	157.6	142.6	174.2	165.0
255.9	-	103.0	101.4	100.5	121.3	119.0	145.5	140.0	151.0	138.9	160.9	159.8
269.0	-	100.3	98.9	96.7	117.2	115.7	141.1	134.8	139.6	134.5	149.5	149.5
282.2	-	96.5	95.2	93.3	114.3	112.4	131.5	129.3	129.0	127.5	137.8	138.9
295.3	-	94.1	93.0	91.3	111.3	110.0	121.3	121.3	117.9	117.9	126.8	127.9
308.4	-	91.1	90.1	89.5	108.5	105.5	111.7	112.3	109.1	107.9	116.2	117.3
321.5	-	89.1	88.2	86.7	104.3	98.8	103.0	103.5	100.5	98.9	106.9	106.9
334.6	-	87.3	86.4	85.1	98.5	89.3	94.8	95.2	92.2	90.4	97.9	98.1
347.8	-	85.0	84.3	83.3	88.7	80.4	87.6	88.0	84.8	82.8	89.2	89.7
360.9	-	83.1	82.8	82.1	78.8	71.3	80.8	81.2	77.7	75.8	81.4	81.8
374.0	-	80.9	81.4	80.9	69.0	61.7	74.5	74.7	71.0	69.0	73.9	74.3
387.1	-	75.3	75.6	76.1	59.5	52.0	68.8	69.2	64.6	62.6	66.9	67.5
390.4	-	73.9	74.2	33.7	57.3	49.9	67.4	67.8	63.2	61.2	65.3	65.9
400.3	-	70.0	70.2	-	50.0	43.2	63.3	63.7	58.9	57.0	60.8	61.6
413.4	-	64.8	65.0	-	41.0	34.0	58.4	58.6	53.4	51.4	54.9	56.0
426.5	-	60.4	60.6	-	31.1	24.1	53.9	54.1	48.4	46.4	50.0	51.3
433.1	-	58.2	58.4	-	26.7	19.4	51.6	51.8	45.9	43.9	47.6	48.9
436.4	-	57.2	57.3	-	24.2	-	50.5	50.8	44.8	42.8	46.6	48.1
439.6	-	56.1	56.2	-	21.7	-	49.5	49.8	43.7	-	45.6	-
442.9	-	55.1	19.4	-	19.2	-	48.4	-	42.5	-	44.5	-
452.8	-	52.0	-	-	12.1	-	45.2	-	39.2	-	41.4	-

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb				27.6 ft		32.2 ft/s		360°		75%	
				482.3 ft							
				39.4 ft							
				0 lb - 716.6 klb		0 lb		0 lb - 716.6 klb			
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
62.3	-	-	-	179.7	-	184.1	-	164.2	211.6	-	220.5
65.6	149.9	158.7	155.4	178.6	177.5	184.1	180.8	154.3	211.6	208.3	220.5
72.2	135.0	157.6	154.3	178.6	176.4	183.5	180.8	137.8	211.1	207.2	217.2
78.7	120.2	156.5	154.3	178.6	176.4	183.0	179.7	121.3	210.5	207.2	220.5
85.3	108.4	156.0	153.2	178.0	175.3	182.4	179.7	108.9	210.0	207.2	219.4
91.9	96.6	155.4	152.1	177.5	175.3	181.9	179.7	96.6	209.4	206.1	218.3
98.4	87.1	154.3	151.0	176.9	174.2	181.3	178.6	86.3	208.9	206.1	217.7
111.5	69.8	152.1	148.8	175.3	172.7	179.7	177.8	67.8	207.8	205.4	216.6
124.7	55.7	149.9	146.6	173.4	171.2	177.8	176.7	52.8	205.8	203.6	214.6
137.8	43.2	147.7	144.4	172.0	169.8	176.4	175.3	39.2	202.8	200.6	211.6
150.9	33.4	145.5	142.2	170.5	167.6	174.2	173.1	28.7	199.2	196.2	207.2
164.0	24.5	142.9	140.0	168.4	165.6	171.4	170.2	19.1	195.1	192.2	202.8
177.2	16.5	140.0	137.8	166.4	163.1	168.7	167.6	10.6	190.7	188.5	197.3
180.4	14.9	139.4	136.7	164.6	161.5	167.9	166.4	8.8	189.8	187.6	196.4
190.3	9.8	137.2	134.5	162.4	159.8	165.7	163.1	-	187.0	184.8	193.6
193.6	8.2	136.4	133.9	161.7	159.3	165.0	162.0	-	186.1	183.9	192.7
203.4	-	134.1	131.9	158.7	155.4	163.1	158.4	-	183.4	180.0	188.5
216.5	-	131.2	129.0	156.5	153.2	160.9	153.2	-	179.7	176.4	184.1
229.7	-	127.9	125.7	152.1	148.1	158.0	148.8	-	174.9	170.5	178.9
242.8	-	123.5	121.3	148.4	144.0	152.9	144.4	-	167.6	165.3	169.8
255.9	-	121.3	119.0	145.5	140.0	145.5	140.0	-	156.5	158.7	156.5
269.0	-	116.8	115.3	140.4	136.7	135.0	132.8	-	144.8	145.9	144.8
282.2	-	114.0	112.4	129.3	129.3	125.3	123.1	-	133.7	134.5	133.4
295.3	-	111.3	110.2	119.0	119.0	115.7	113.5	-	123.5	123.5	122.4
308.4	-	109.0	107.3	109.2	110.2	106.7	104.5	-	113.1	113.8	112.8
321.5	-	104.2	101.5	100.8	101.4	97.7	95.5	-	103.8	104.3	103.4
334.6	-	97.0	92.4	92.6	93.0	89.1	86.9	-	94.6	95.0	94.1
347.8	-	89.8	81.9	85.3	85.8	81.4	79.5	-	86.2	86.5	85.8
360.9	-	81.7	71.4	78.6	79.0	74.3	72.5	-	78.2	78.5	77.7
374.0	-	71.0	61.9	72.1	72.5	67.7	65.7	-	70.5	71.0	70.1
387.1	-	60.3	51.4	66.5	66.8	61.6	59.6	-	63.8	64.3	63.3
400.3	-	50.9	41.8	61.1	61.4	55.9	53.9	-	57.5	58.2	57.0
413.4	-	41.2	31.7	56.0	56.4	50.3	48.3	-	51.6	52.5	51.1
426.5	-	30.3	21.0	51.6	51.9	45.2	43.3	-	46.4	47.5	45.9
439.6	-	20.1	10.7	47.4	47.5	40.5	38.6	-	41.7	43.2	41.3
442.9	-	17.4	7.9	46.3	46.5	39.4	37.5	-	40.7	42.2	40.2
446.2	-	14.7	-	45.3	45.4	38.2	36.4	-	39.6	41.2	39.2
452.8	-	9.9	-	43.2	-	35.9	-	-	37.5	-	37.0
462.6	-	-	-	39.2	-	32.8	-	-	34.8	-	34.4

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

L_SL+LF_14: 496,100 lb + 110,200 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
				492.1 ft							
		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12	
		0 lb		0 lb -716.6 kib		0 lb		0 lb -716.6 kib			
ft		1,000 lb									
62.3	152.1	158.7	-	175.3	-	160.9	200.6	-	211.6	229.3	-
65.6	145.5	157.6	154.3	174.2	172.0	151.0	200.6	197.3	211.6	208.3	224.9
72.2	130.6	157.1	153.2	174.2	172.0	135.0	200.1	197.3	211.1	207.2	228.2
78.7	115.7	156.5	152.1	174.2	170.9	119.0	199.5	196.2	210.5	207.2	227.1
85.3	104.4	155.4	152.1	173.6	170.9	106.7	199.0	196.2	210.0	207.2	227.1
91.9	93.0	154.3	151.0	173.1	169.8	94.4	198.4	196.2	209.4	206.1	227.1
98.4	83.7	153.2	149.9	172.5	169.8	84.2	198.4	195.1	208.3	205.0	226.0
111.5	66.6	150.5	147.7	170.9	168.3	65.8	197.9	194.4	206.1	202.1	223.8
124.7	52.7	147.7	145.1	169.0	166.8	50.9	195.8	192.9	203.2	198.8	221.2
137.8	40.3	145.5	142.2	167.6	165.3	37.7	192.9	190.7	199.5	195.2	218.3
150.9	30.6	142.6	140.0	165.3	163.9	27.3	189.2	187.0	194.4	188.9	213.8
164.0	21.8	139.6	137.4	163.1	161.7	17.8	185.6	183.0	187.9	182.1	206.5
177.2	13.9	136.7	134.5	159.8	158.7	9.3	181.9	179.7	183.0	176.4	201.7
187.0	8.8	134.5	132.1	158.2	157.1	-	179.1	176.4	176.9	172.0	195.7
190.3	-	133.7	131.4	157.6	156.5	-	178.2	175.6	175.6	170.5	194.4
203.4	-	130.8	128.6	155.1	152.1	-	174.5	170.5	170.1	162.8	187.8
216.5	-	127.9	125.7	152.1	149.9	-	170.9	167.6	164.2	157.6	181.9
229.7	-	123.1	121.6	148.1	145.5	-	165.7	161.7	158.0	149.2	176.7
242.8	-	118.7	117.9	144.8	142.2	-	161.3	157.3	151.4	144.0	167.6
255.9	-	115.7	113.5	141.1	137.8	-	155.4	152.1	145.5	140.0	154.3
269.0	-	111.7	110.6	132.7	130.7	-	143.7	144.8	140.5	136.0	142.6
282.2	-	109.0	107.6	123.5	122.0	-	132.3	133.4	132.6	130.8	131.0
295.3	-	106.5	104.9	114.6	112.4	-	121.3	122.4	122.4	123.5	120.2
308.4	-	103.5	102.1	105.4	103.6	-	112.0	112.8	112.2	113.3	110.3
321.5	-	99.9	99.2	96.6	94.7	-	102.8	103.4	102.9	103.5	100.8
334.6	-	95.0	95.7	88.4	85.8	-	93.7	94.1	93.7	94.1	91.5
347.8	-	87.8	88.3	80.5	78.4	-	85.3	85.8	85.3	85.8	83.1
360.9	-	81.1	81.6	73.2	71.4	-	77.3	77.7	77.3	77.7	75.1
374.0	-	74.7	75.2	66.6	64.8	-	69.7	70.1	69.7	70.1	67.5
387.1	-	69.0	69.4	60.6	58.6	-	62.9	63.5	62.9	63.3	60.6
400.3	-	63.6	63.9	54.7	52.8	-	56.5	57.2	56.4	57.0	54.0
413.4	-	58.6	58.9	49.2	47.2	-	50.5	51.4	50.3	51.1	48.1
426.5	-	54.1	54.3	43.9	42.2	-	45.3	46.3	45.1	46.0	42.9
439.6	-	49.8	50.0	39.2	37.4	-	40.5	41.7	40.3	41.4	38.1
452.8	-	45.9	46.1	34.6	32.8	-	35.9	37.5	35.7	37.3	33.7
459.3	-	43.9	35.5	32.6	-	-	34.1	-	33.9	-	31.9
465.9	-	41.9	-	30.6	-	-	32.2	-	32.0	-	30.0
469.2	-	40.8	-	29.5	-	-	31.3	-	31.1	-	29.1

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
				502.0 ft							
		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12	
		0 lb		0 lb -716.6 kib		0 lb		0 lb -716.6 kib			
ft		1,000 lb									
62.3	147.7	152.1	-	166.4	-	155.4	191.8	-	201.7	-	217.2
65.6	142.2	152.1	148.8	166.4	163.1	146.6	190.7	-	200.6	-	217.2
68.9	134.8	151.8	148.3	166.2	163.1	138.6	190.4	188.5	200.6	197.3	216.9
72.2	127.3	151.6	147.7	165.9	163.1	130.6	190.1	187.4	200.6	197.3	216.6
78.7	112.4	151.0	147.7	165.3	162.0	114.6	189.6	187.4	200.6	197.3	216.1
85.3	101.1	149.9	146.6	164.8	162.0	102.6	189.6	187.4	200.1	197.3	216.1
91.9	89.7	148.8	145.5	164.2	160.9	90.6	189.6	186.3	199.5	196.2	216.1
98.4	80.5	147.7	144.4	163.7	160.9	80.6	189.0	186.3	198.4	195.1	215.0
111.5	63.6	145.5	142.2	162.0	160.2	62.4	187.9	185.6	196.8	192.9	214.4
124.7	49.9	143.3	140.4	160.2	159.1	47.6	186.3	183.7	194.4	190.0	212.7
137.8	37.7	141.1	138.9	158.7	157.6	34.4	184.1	180.8	190.7	186.3	210.5
150.9	28.0	138.9	136.0	157.3	156.2	24.1	180.4	177.8	186.3	181.9	206.1
164.0	19.3	136.5	133.6	155.1	154.0	14.6	177.1	174.2	180.8	177.5	199.3
173.9	13.4	134.5	132.3	152.9	152.5	8.2	174.2	171.6	177.5	172.0	195.3
177.2	11.5	133.4	131.2	152.1	152.1	-	173.1	170.9	176.4	170.9	194.0
183.7	7.9	132.3	130.1	151.0	151.0	-	171.2	169.0	172.0	167.9	191.8
190.3	-	131.2	129.0	149.9	149.9	-	169.4	167.2	169.8	165.0	189.6
203.4	-	128.6	126.4	147.7	147.7	-	165.7	162.8	164.6	158.4	184.1
216.5	-	125.7	123.5	145.5	145.5	-	162.0	158.7	158.7	153.2	179.7
229.7	-	122.4	120.2	143.3	141.1	-	157.3	155.8	154.3	145.9	172.3
242.8	-	118.5	117.9	140.9	138.2	-	153.2	149.5	147.3	140.5	162.0
255.9	-	115.7	113.5	137.8	134.5	-	148.8	144.4	142.2	135.6	148.8
269.0	-	111.6	110.2	128.2	126.4	-	138.5	138.0	137.1	131.8	137.8
282.2	-	109.3	108.0	119.0	117.9	-	128.1	129.3	129.2	127.3	126.4
295.3	-	106.3	105.6	110.2	108.9	-	117.9	119.0	117.9	119.0	115.7
308.4	-	104.0	102.5	101.7	100.1	-	108.4	109.3	108.5	109.3	106.2
321.5	-	99.6	98.9	93.3	91.3	-	99.2	99.8	99.3	99.8	96.9
334.6	-	93.0	93.5	84.9	82.5	-	90.2	90.8	90.4	90.8	87.7
347.8	-	85.5	86.2	76.9	75.1	-	81.9	82.5	82.0	82.3	79.4
360.9	-	78.9	79.4	69.6	68.0	-	74.0	74.4	73.9	74.2	71.3
374.0	-	72.5	73.0	63.3	61.5	-	66.6	67.0	66.4	66.8	63.9
387.1	-	66.8	67.2	57.2	55.3	-	59.8	60.3	59.6	60.0	57.0
400.3	-	61.4	61.8	51.4	49.5	-	53.4	53.8	53.0	53.6	50.5
413.4	-	56.4	56.7	45.9	43.9	-	47.4	48.1	47.0	47.6	44.5
426.5	-	51.9	52.1	40.9	38.9	-	42.0	42.9	41.7	42.5	39.2
439.6	-	47.6	47.8	36.1	34.2	-	37.0	38.1	36.7	37.7	34.3
452.8	-	43.4	43.7	31.5	29.8	-	32.4	33.7	32.2	33.3	29.8
462.6	-	40.7	40.8	28.4	26.7	-	29.5	30.9	29.2	30.6	26.7
465.9	-	39.8	39.9	27.4	-	-	28.6	-	28.2	-	25.8
469.2	-	38.8	13.7	26.4	-	-	27.6	-	27.2	-	24.9
479.0	-	35.3	-	23.4	-	-	24.9	-	24.3	-	22.3
		0 lb									

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb				27.6 ft		32.2 ft/s		360°		75%			
				511.8 ft									
				LSL+LF_4	LSL+LF_6	LSL+LF_8	LSL+LF_10	LSL+LF_12	LSL+LF_14				
				39.4 ft									
				0 lb	0 lb -716.6 kib	0 lb	0 lb -716.6 kib						
				15°	20°	15°	20°	15°	20°	15°	20°	15°	20°
ft				1,000 lb									
65.6	137.8	145.5	-	156.5	-	143.3	180.8	-	189.6	206.1	-	235.9	-
68.9	130.7	145.2	142.2	156.3	154.3	135.3	180.5	177.5	189.3	187.4	205.9	202.8	235.9
72.2	123.7	145.0	142.2	156.0	154.3	127.3	180.2	177.5	189.0	186.3	205.6	202.8	235.9
78.7	109.6	144.4	141.1	155.4	154.3	111.3	179.7	177.5	188.5	186.3	205.0	202.8	235.9
85.3	98.2	143.3	140.0	154.9	153.2	99.5	179.1	176.4	188.5	186.3	205.0	202.8	234.8
91.9	86.9	142.2	140.0	154.3	153.2	87.7	178.6	176.4	188.5	185.2	205.0	202.8	233.7
98.4	77.6	141.1	138.9	153.8	152.1	77.8	178.0	176.4	187.9	185.2	204.5	201.7	232.6
111.5	60.8	139.4	136.7	152.7	151.4	59.7	177.5	175.6	186.8	183.7	203.9	201.7	230.4
124.7	47.3	137.8	134.8	151.4	150.3	45.0	176.4	174.2	184.8	181.5	202.5	200.3	228.2
137.8	35.1	135.6	133.4	149.9	148.8	32.0	174.2	172.0	181.9	178.6	199.5	197.3	225.6
150.9	25.5	133.4	131.2	148.4	147.3	21.7	171.2	169.0	178.2	174.9	195.8	192.9	222.7
164.0	16.8	130.8	129.0	146.2	145.5	12.2	168.7	165.3	174.2	170.9	190.3	187.4	217.5
170.6	12.9	129.7	127.9	145.3	144.4	7.9	166.4	163.7	172.0	168.7	187.8	185.2	215.0
177.2	9.0	129.0	126.8	144.4	143.3	-	164.2	162.0	169.8	166.4	185.2	183.0	211.6
190.3	-	126.0	124.6	141.5	141.1	-	161.3	159.1	166.1	161.7	180.8	177.8	206.1
203.4	-	123.5	122.0	138.9	138.9	-	158.4	155.8	161.3	157.6	175.6	172.3	196.6
216.5	-	121.3	119.0	136.7	136.7	-	155.4	152.1	157.6	153.2	172.0	168.7	184.8
229.7	-	117.9	116.1	134.5	134.5	-	150.3	149.2	152.5	147.7	166.8	162.0	170.9
242.8	-	114.3	112.9	132.3	132.3	-	147.2	144.4	148.3	143.3	158.4	156.5	158.5
255.9	-	112.4	110.2	130.1	129.0	-	143.3	138.9	144.4	136.7	145.5	147.7	146.2
269.0	-	109.3	107.2	122.7	121.6	-	134.5	133.7	134.8	132.3	134.5	136.0	134.5
282.2	-	107.1	104.9	114.6	113.5	-	124.9	125.7	124.9	126.8	123.2	125.2	123.1
295.3	-	104.1	102.7	106.9	105.4	-	114.6	115.7	114.6	115.7	113.5	114.6	112.8
308.4	-	101.8	99.8	98.5	96.9	-	105.4	106.3	105.5	106.3	103.6	104.5	102.5
321.5	-	97.4	96.3	90.3	88.4	-	96.3	97.2	96.3	97.1	94.5	95.1	93.3
334.6	-	90.8	91.5	82.2	80.0	-	87.5	88.2	87.5	88.0	85.5	86.0	84.4
347.8	-	83.6	84.2	74.3	72.2	-	79.4	80.0	79.3	79.7	77.3	77.6	75.8
360.9	-	76.9	77.5	67.0	65.2	-	71.6	72.0	71.3	71.8	69.4	69.7	68.4
374.0	-	70.5	71.0	60.4	58.6	-	64.2	64.6	63.9	64.4	61.7	62.2	61.5
387.1	-	64.6	65.2	54.4	52.6	-	57.4	57.8	57.2	57.6	54.9	55.3	54.9
400.3	-	59.4	59.8	48.6	46.7	-	51.0	51.5	50.7	51.0	48.5	48.9	48.7
413.4	-	54.2	54.7	43.2	41.2	-	45.0	45.6	44.5	45.2	42.3	43.0	42.8
426.5	-	49.7	50.1	38.2	36.2	-	39.5	40.3	39.2	39.9	36.9	37.7	37.3
439.6	-	45.4	45.6	33.4	31.5	-	34.5	35.4	34.2	35.1	31.9	32.8	32.3
452.8	-	41.2	41.7	28.9	26.9	-	29.8	30.9	29.5	30.6	27.3	28.4	27.3
465.9	-	34.3	38.0	24.5	22.9	-	25.7	27.2	25.5	26.7	23.4	24.7	22.7
469.2	-	32.6	37.1	23.5	21.8	-	24.8	26.2	24.5	25.8	22.4	23.8	21.7
475.7	-	29.2	35.3	21.6	-	-	22.9	-	22.6	-	20.6	-	19.6
479.0	-	27.4	-	20.6	-	-	22.0	-	21.6	-	19.7	-	18.6
485.6	-	24.3	-	18.7	-	-	20.3	-	19.6	-	18.1	-	16.5



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

363,800 lb + 110,200 lb												27.6 ft	32.2 ft/s	360°	75%
												521.7 ft			
												39.4 ft			
												0 lb -716.6 kib	0 lb	0 lb -716.6 kib	
ft	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	15°	20°	15°	20°
65.6	134.5	138.9	-	148.8	-	138.9	173.1	-	180.8	-	196.2	-	224.9	-	-
68.9	127.4	138.6	136.7	148.5	146.6	131.2	172.5	169.8	180.5	178.6	195.9	192.9	224.9	220.5	220.5
72.2	120.3	138.3	136.7	148.3	146.6	123.6	172.0	169.8	180.2	177.5	195.7	192.9	224.9	220.5	220.5
78.7	106.0	137.8	135.6	147.7	146.6	108.2	170.9	168.7	179.7	177.5	195.1	192.9	222.7	220.5	220.5
85.3	94.8	137.2	135.6	147.2	145.5	96.1	170.9	168.7	179.1	176.4	195.1	192.9	222.7	220.5	220.5
91.9	83.6	136.7	134.5	146.6	145.5	84.0	170.9	168.7	178.6	176.4	195.1	192.9	222.7	220.5	220.5
98.4	74.5	136.1	133.4	146.1	144.4	74.2	170.3	167.6	178.0	176.4	194.6	191.8	221.6	219.4	219.4
111.5	58.0	134.5	131.9	145.0	143.7	56.3	169.2	166.8	176.9	174.2	193.5	191.1	219.4	217.7	217.7
124.7	44.5	132.6	130.4	143.7	142.6	41.8	167.6	165.0	175.3	172.0	191.8	189.2	218.3	216.1	216.1
137.8	32.4	131.2	129.0	142.2	141.1	28.9	165.3	162.0	173.1	169.8	189.6	186.3	215.7	212.7	212.7
150.9	22.9	129.0	126.8	140.7	139.6	18.6	162.4	159.1	170.2	166.1	187.4	184.1	212.7	208.3	208.3
164.0	14.1	126.8	124.9	138.9	137.8	9.0	159.1	155.9	165.3	162.0	180.8	177.8	207.6	201.0	201.0
173.9	8.2	125.1	123.8	137.2	136.1	-	156.3	153.9	162.0	158.7	177.5	174.2	203.9	195.7	195.7
177.2	-	124.6	123.5	136.7	135.6	-	155.4	153.2	160.9	157.6	176.4	173.1	202.4	194.0	194.0
190.3	-	123.1	121.3	134.5	133.4	-	151.8	149.5	157.3	153.2	171.6	168.7	196.2	187.4	187.4
203.4	-	121.3	119.0	132.3	131.5	-	148.4	144.8	153.2	148.8	167.6	162.0	188.9	180.8	180.8
216.5	-	119.0	116.8	130.1	130.1	-	145.5	141.1	148.8	144.4	163.1	157.6	178.6	174.2	174.2
229.7	-	116.2	114.6	127.9	128.6	-	140.9	136.3	145.1	138.9	158.4	152.1	165.3	167.6	167.6
242.8	-	112.4	111.3	125.7	126.8	-	136.7	132.3	141.1	134.0	152.6	147.5	152.5	155.2	155.2
255.9	-	110.2	109.6	123.5	123.5	-	133.4	127.9	136.7	129.0	141.1	142.2	140.7	142.9	142.9
269.0	-	108.0	106.6	117.6	116.8	-	128.2	123.5	130.5	124.6	129.6	131.2	129.0	131.2	131.2
282.2	-	106.0	104.7	110.5	109.4	-	120.9	118.6	120.5	119.3	119.6	120.5	118.8	120.4	120.4
295.3	-	103.0	102.3	102.5	101.2	-	111.3	112.4	110.2	111.3	109.6	110.2	108.4	109.8	109.8
308.4	-	101.0	99.7	94.4	93.0	-	102.0	102.9	101.6	102.6	99.9	100.8	98.3	100.1	100.1
321.5	-	96.3	95.8	86.4	84.7	-	92.9	93.7	92.6	93.4	90.8	91.6	89.2	90.5	90.5
334.6	-	88.8	89.3	78.5	76.5	-	84.2	84.9	83.8	84.4	82.0	82.5	80.3	81.4	81.4
347.8	-	81.5	82.1	70.8	68.3	-	76.1	76.8	75.7	76.1	73.6	74.1	71.9	72.5	72.5
360.9	-	74.7	75.3	63.6	61.6	-	68.4	69.0	67.9	68.3	65.9	66.3	64.4	65.3	65.3
374.0	-	68.3	68.8	56.7	55.1	-	61.1	61.5	60.4	60.8	58.4	58.6	57.4	58.3	58.3
387.1	-	62.5	62.9	50.8	49.2	-	54.2	54.8	53.6	54.0	51.5	51.9	50.9	51.6	51.6
400.3	-	57.2	57.6	45.3	43.4	-	47.9	48.4	47.3	47.7	45.2	45.5	44.9	45.4	45.4
413.4	-	52.0	52.5	39.9	37.9	-	41.9	42.3	41.2	41.7	39.0	39.5	39.1	39.5	39.5
426.5	-	47.4	47.8	34.9	32.9	-	36.4	37.0	35.8	36.4	33.6	34.2	33.5	34.0	34.0
439.6	-	42.5	43.0	30.1	28.1	-	31.3	30.8	30.6	31.4	28.2	29.2	27.3	27.4	27.4
452.8	-	37.3	38.1	25.6	23.6	-	26.5	23.6	25.8	26.0	23.6	24.7	21.2	21.5	21.5
465.9	-	29.5	31.8	21.5	19.6	-	18.8	14.5	19.9	16.9	19.5	20.9	15.4	15.9	15.9
475.7	-	24.4	26.7	18.5	16.8	-	12.9	7.7	14.9	10.1	16.6	18.1	11.8	12.3	12.3
479.0	-	23.6	-	17.6	-	-	10.7	-	12.8	-	15.7	-	10.6	-	-
482.3	-	21.7	-	16.6	-	-	8.6	-	10.7	-	14.9	-	9.4	-	-
485.6	-	19.7	-	15.7	-	-	-	-	8.6	-	14.0	-	8.2	-	-
492.1	-	15.9	-	13.9	-	-	-	-	-	-	12.3	-	-	-	-
495.4	-	13.9	-	13.0	-	-	-	-	-	-	11.7	-	-	-	-

LSL+LF_14: 496,100 lb + 110,200 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		531.5 ft				541.3 ft					
		LSL+LF_10	LSL+LF_12	LSL+LF_14		LSL+LF_10	LSL+LF_12	LSL+LF_14			
		39.4 ft									
		0 lb	0 lb - 716.6 klb				0 lb	0 lb - 716.6 klb			
		15°	20°	15°	20°	15°	20°	15°	20°	15°	20°
ft		1,000 lb									
65.6	134.5	170.9	-	185.2	-	215.0	-	130.1	162.0	-	176.4
68.9	127.1	170.6	168.7	184.9	181.9	215.0	212.7	122.7	161.8	-	176.1
72.2	119.7	170.3	168.7	184.6	181.9	215.0	212.7	115.4	161.5	159.8	175.8
78.7	104.9	169.8	167.6	184.1	181.9	213.8	211.6	100.8	160.9	159.8	175.3
85.3	92.9	169.2	167.6	183.5	180.8	213.3	211.1	89.0	160.4	158.7	175.3
91.9	80.9	168.7	167.6	183.0	180.8	212.7	210.5	77.2	159.8	158.7	175.3
98.4	71.2	168.7	166.4	182.4	180.8	211.6	210.0	67.6	159.8	157.6	174.2
111.5	53.6	168.1	165.0	181.3	179.3	210.0	208.3	50.2	159.3	156.9	172.0
124.7	39.2	166.4	163.1	179.7	177.5	208.3	206.1	35.9	157.6	155.4	169.4
137.8	26.2	164.2	160.9	177.5	175.3	206.1	203.9	22.9	155.4	153.2	166.4
150.9	16.1	161.6	158.3	174.2	172.0	203.9	201.7	12.9	153.2	151.0	163.1
157.5	11.0	159.8	157.6	173.1	170.9	201.7	198.8	7.9	152.1	149.9	160.9
160.8	8.8	158.9	156.2	171.8	167.7	200.6	197.3	-	151.2	149.0	158.7
164.0	-	158.0	155.1	170.5	166.8	199.5	195.8	-	150.3	148.1	157.6
177.2	-	154.3	152.1	165.3	163.1	194.4	190.3	-	146.6	144.4	153.2
190.3	-	150.6	148.4	160.9	157.3	188.5	184.1	-	143.7	141.5	147.0
203.4	-	147.0	144.0	156.5	152.9	183.4	177.5	-	140.7	138.5	141.8
216.5	-	143.3	141.1	152.1	147.7	174.5	170.5	-	137.8	135.6	136.7
229.7	-	139.8	136.3	147.7	142.9	162.0	163.1	-	133.7	132.3	129.5
242.8	-	134.9	131.9	143.5	136.7	149.5	151.7	-	129.7	127.5	124.6
255.9	-	132.3	127.9	140.0	132.3	137.8	140.0	-	126.8	124.6	119.0
269.0	-	127.0	122.6	129.0	127.1	126.8	129.0	-	122.7	120.2	112.0
282.2	-	119.6	116.8	118.8	119.8	116.5	117.7	-	114.5	114.2	105.8
295.3	-	109.6	110.2	109.3	110.2	106.3	107.8	-	105.4	106.7	98.8
308.4	-	100.3	101.2	99.9	101.1	96.6	98.1	-	96.3	97.4	91.7
321.5	-	91.3	92.4	90.9	91.9	87.5	88.8	-	87.5	88.5	84.6
334.6	-	82.7	83.6	82.2	82.9	78.6	79.7	-	78.9	79.8	77.4
347.8	-	74.7	75.2	74.1	74.5	70.3	71.0	-	71.0	71.7	70.3
360.9	-	67.1	67.5	66.4	66.8	62.5	63.5	-	63.4	64.0	63.0
374.0	-	59.7	60.2	59.1	59.3	55.4	56.4	-	56.2	56.7	55.3
387.1	-	52.8	53.1	52.2	52.5	48.9	49.8	-	49.4	49.9	44.9
400.3	-	46.5	47.0	45.9	46.2	43.1	43.8	-	43.1	43.5	35.1
413.4	-	40.3	40.8	39.7	40.1	36.7	37.3	-	37.0	37.5	26.0
426.5	-	34.9	35.3	34.1	34.7	30.0	30.4	-	31.5	32.0	17.9
439.6	-	29.5	30.2	28.8	29.5	23.1	23.1	-	26.2	26.8	10.4
442.9	-	28.2	29.0	27.6	28.2	21.5	21.5	-	25.0	25.6	8.6
452.8	-	24.7	25.6	24.0	24.9	16.9	17.0	-	21.4	22.0	-
465.9	-	20.6	19.8	18.9	20.1	11.0	11.2	-	17.0	14.7	-
475.7	-	16.9	14.9	15.0	16.1	-	-	12.9	8.8	-	-
479.0	-	15.2	12.8	13.6	14.6	-	-	11.1	-	-	-
482.3	-	13.6	10.7	12.2	13.0	-	-	9.3	-	-	-
485.6	-	11.9	8.6	10.9	11.5	-	-	-	-	-	-
492.1	-	8.6	-	8.2	-	-	-	-	-	-	-

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

LSL+LF_14: 496,100 lb + 110,200 lb

		496,100 lb +		110,200 lb				27.6 ft		32.2 ft/s		360°		75%	
		413.4 ft		423.2 ft		433.1 ft		442.9 ft		452.8 ft		462.6 ft		472.4 ft	
		LSL+LF_14				59.0 ft									
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb	
		15°		20°		15°		20°		15°		20°		15°	
ft		1,000 lb													
62.3	222.7	262.4	-	264.6	-	-	-	-	-	-	-	-	-	-	-
65.6	210.5	257.9	-	260.1	-	201.7	260.1	-	262.4	-	192.9	260.1	-	257.9	-
68.9	199.5	252.4	181.9	254.6	183.0	191.3	254.6	183.0	256.8	-	182.4	256.8	-	257.9	-
72.2	188.5	246.9	178.6	249.1	179.7	180.8	249.1	180.8	251.3	180.8	172.0	253.5	181.9	253.5	181.9
78.7	169.8	238.1	173.1	238.1	174.2	162.0	240.3	175.3	242.5	175.3	153.2	242.5	176.4	244.7	176.4
85.3	153.8	229.3	168.1	230.4	169.2	146.6	231.5	170.3	233.7	170.3	138.3	234.8	171.4	235.9	172.0
91.9	137.8	220.5	163.1	222.7	164.2	131.2	222.7	165.3	224.9	165.3	123.5	227.1	166.4	227.1	167.6
98.4	125.7	212.7	158.7	215.0	159.8	119.2	215.5	160.9	217.7	160.9	111.8	219.4	162.0	220.5	163.1
111.5	103.3	199.0	150.5	200.6	151.0	97.0	202.3	152.1	203.9	152.7	90.2	205.6	153.8	207.2	154.9
124.7	84.5	186.8	142.7	188.5	143.3	78.5	190.1	144.4	191.8	145.5	72.0	193.5	146.1	195.1	147.2
137.8	69.1	176.0	135.6	177.8	136.7	63.3	179.3	137.8	181.1	138.9	57.0	182.6	139.3	184.5	140.4
150.9	55.1	166.4	129.0	167.6	130.1	49.8	169.8	131.2	170.9	132.3	43.7	173.1	133.4	174.2	134.5
164.0	44.1	157.6	123.8	159.5	124.9	38.8	160.9	126.0	162.8	127.1	32.9	164.2	127.5	165.3	128.6
177.2	34.1	149.5	118.7	151.8	119.8	28.9	152.9	120.9	155.1	122.0	23.1	156.2	122.4	157.3	123.5
190.3	25.1	142.2	113.5	144.4	114.6	20.1	145.5	115.7	147.7	116.8	14.3	148.8	117.9	149.9	119.0
200.1	18.7	137.8	110.9	139.4	111.9	13.9	141.1	113.0	142.7	113.5	8.4	144.4	114.6	145.7	115.7
203.4	16.6	136.3	110.0	137.8	111.0	11.8	139.6	112.1	141.1	112.4	-	142.6	113.5	144.2	114.6
210.0	12.3	133.4	108.2	134.5	109.1	7.7	136.7	110.2	137.8	110.2	-	138.9	111.3	141.1	112.4
216.5	8.2	130.1	106.3	131.9	107.3	-	133.7	108.2	135.2	108.6	-	136.3	109.6	138.2	110.7
229.7	-	125.7	102.7	126.8	103.6	-	127.9	104.5	130.1	105.4	-	131.2	106.3	132.3	107.1
242.8	-	120.5	99.5	121.6	100.4	-	123.5	101.3	124.9	102.1	-	126.0	103.0	127.1	103.9
255.9	-	115.7	96.4	117.2	97.3	-	119.0	98.2	120.2	99.1	-	121.3	99.9	122.7	100.8
269.0	-	111.3	93.5	113.5	94.4	-	114.6	95.2	115.7	96.1	-	116.8	97.0	119.0	97.9
282.2	-	108.7	91.1	110.0	91.9	-	111.3	92.8	111.9	93.6	-	113.5	94.4	114.6	95.2
295.3	-	105.3	88.7	106.6	89.5	-	107.7	90.3	108.8	91.2	-	109.9	91.9	111.3	92.7
308.4	-	102.1	86.4	103.2	87.3	-	104.5	88.0	105.8	88.8	-	106.9	89.5	108.0	90.4
321.5	-	99.3	84.5	100.4	85.3	-	101.4	86.1	102.7	86.8	-	103.8	87.5	102.0	88.3
334.6	-	96.6	82.7	97.7	83.4	-	98.2	84.2	97.7	84.9	-	97.4	85.5	94.1	86.2
347.8	-	94.1	81.1	95.2	81.8	-	94.4	82.5	90.6	83.1	-	88.6	83.8	84.4	84.4
360.9	-	90.5	79.7	88.4	80.3	-	86.5	80.9	82.8	80.8	-	81.1	80.0	76.9	77.5
374.0	-	84.9	78.3	81.1	77.9	-	79.1	77.7	75.4	76.1	-	73.9	74.5	69.7	70.5
387.1	-	77.8	77.4	74.1	74.5	-	72.1	72.5	68.3	69.0	-	66.8	67.5	62.8	63.7
400.3	-	71.5	71.7	67.8	68.0	-	65.5	66.0	61.8	62.4	-	60.5	61.2	56.7	57.2
406.8	-	68.3	68.8	64.6	64.8	-	62.4	62.8	58.6	59.3	-	57.3	58.0	53.6	54.0
413.4	-	65.5	-	61.6	62.1	-	59.5	60.0	55.8	56.4	-	54.5	55.1	50.6	51.1
416.7	-	64.0	-	60.2	60.6	-	58.1	58.6	54.3	55.0	-	53.0	53.7	49.2	49.7
419.9	-	62.6	-	58.8	-	-	56.7	57.2	52.9	53.6	-	51.6	52.2	47.8	48.3
423.2	-	-	-	57.4	-	-	55.2	55.8	51.5	52.1	-	50.2	50.8	46.4	46.8
426.5	-	-	-	56.0	-	-	53.8	-	50.0	50.7	-	48.7	49.4	45.0	45.4
429.8	-	-	-	54.9	-	-	52.5	-	48.7	49.4	-	47.4	48.1	43.7	44.2
433.1	-	-	-	-	-	-	51.3	-	47.4	48.1	-	46.2	46.7	42.4	42.9
436.4	-	-	-	-	-	-	50.0	-	46.2	-	-	44.9	45.4	41.1	41.7
439.6	-	-	-	-	-	-	-	-	45.0	-	-	43.7	44.1	39.8	40.4
446.2	-	-	-	-	-	-	-	-	42.5	-	-	41.2	-	37.3	37.9
449.5	-	-	-	-	-	-	-	-	-	-	-	40.1	-	36.1	36.6
452.8	-	-	-	-	-	-	-	-	-	-	-	38.9	-	35.0	-
456.0	-	-	-	-	-	-	-	-	-	-	-	37.7	-	31.6	32.2
462.6	-	-	-	-	-	-	-	-	-	-	-	31.5	-	29.4	-
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	28.2	-
472.4	-	-	-	-	-	-	-	-	-	-	-	-	-	26.0	-

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

496,100 lb + 110,200 lb				27.6 ft		32.2 ft/s		360°		75%											
482.3 ft		492.1 ft		502.0 ft		511.8 ft		521.7 ft		531.5 ft											
LSL+LF_14																					
59.0 ft																					
0-716.6 klb		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb											
15°		20°		15°		20°		15°		20°											
ft	1,000 lb																				
68.9	235.9	-	170.9	224.9	-	217.2	-	-	-	-	-										
72.2	235.9	-	160.9	224.9	-	217.2	-	153.2	208.3	-	145.5										
75.5	235.9	180.8	152.7	224.9	180.8	217.2	181.9	145.0	208.3	181.9	198.4										
78.7	235.9	177.5	144.4	224.9	178.6	217.2	178.6	136.7	208.3	179.7	198.4										
85.3	233.7	173.1	130.1	224.9	173.6	217.2	174.2	123.0	208.3	174.7	198.4										
91.9	231.5	168.7	115.7	224.9	168.7	217.2	169.8	109.3	208.3	169.8	198.4										
98.4	223.8	164.2	104.4	221.6	164.8	216.1	165.3	98.0	207.2	165.9	197.9										
111.5	210.0	156.0	83.6	211.6	157.1	210.5	157.1	77.4	205.0	158.2	196.2										
124.7	197.9	148.8	66.1	199.5	149.4	200.6	149.9	60.3	200.1	151.0	193.5										
137.8	187.0	142.2	51.7	188.9	142.6	190.0	143.7	46.1	191.4	144.4	189.6										
150.9	177.5	135.6	38.8	178.6	136.7	179.7	137.8	33.3	181.9	137.8	144.8										
164.0	168.7	130.4	28.2	169.8	131.5	171.6	131.9	23.0	173.1	132.6	174.2										
177.2	160.7	125.3	18.7	161.7	126.4	163.6	126.8	13.4	164.8	127.9	166.1										
183.7	157.2	122.7	14.4	158.0	123.8	159.6	124.6	9.0	160.9	125.7	162.4										
190.3	153.2	120.2	10.1	154.3	121.3	156.5	122.4	-	157.6	123.5	158.7										
193.6	151.6	119.2	8.2	153.2	120.2	154.9	121.3	-	156.0	122.4	157.1										
203.4	146.6	116.5	-	148.6	116.8	149.9	117.9	-	151.0	119.0	152.1										
216.5	140.7	112.7	-	142.6	113.0	143.7	113.9	-	144.8	115.0	145.9										
229.7	135.6	108.9	-	136.7	109.8	137.8	110.2	-	138.9	111.3	140.0										
242.8	130.4	105.6	-	131.5	106.4	132.6	107.1	-	133.7	108.0	108.7										
255.9	125.7	102.4	-	126.8	103.2	127.9	104.1	-	129.0	104.9	130.8										
269.0	121.3	99.4	-	122.4	100.3	123.5	101.0	-	124.6	101.9	125.7										
282.2	117.6	96.8	-	118.7	97.5	119.8	98.3	-	121.0	99.1	120.9										
295.3	112.3	94.3	-	115.1	94.9	115.7	95.8	-	114.6	96.4	111.0										
308.4	105.4	91.9	-	111.3	92.6	108.2	93.3	-	105.8	93.9	101.6										
321.5	95.8	89.7	-	102.5	90.4	98.7	91.1	-	96.6	91.8	92.4										
334.6	86.8	85.6	-	93.7	88.4	89.9	87.6	-	87.9	87.6	83.8										
347.8	78.3	79.6	-	85.1	86.2	81.4	82.9	-	79.4	81.6	75.4										
360.9	70.7	72.0	-	77.5	78.7	73.4	75.0	-	71.4	72.8	67.6										
374.0	63.7	64.9	-	70.3	71.5	66.4	67.5	-	64.3	65.5	60.3										
387.1	57.1	58.0	-	63.7	64.6	59.7	60.8	-	57.5	58.9	53.6										
400.3	50.7	51.6	-	57.5	58.3	53.7	54.7	-	51.4	52.5	47.5										
413.4	44.8	45.6	-	51.6	52.2	47.8	48.6	-	45.7	46.5	41.7										
426.5	39.2	39.9	-	45.9	46.5	42.1	42.8	-	40.1	40.8	36.2										
439.6	34.1	34.6	-	40.7	41.2	37.0	37.6	-	35.0	35.6	31.2										
452.8	29.1	29.6	-	35.8	36.2	32.0	32.7	-	30.0	30.6	26.2										
465.9	24.5	24.9	-	31.1	31.5	27.3	28.0	-	25.4	25.8	21.6										
469.2	23.4	-	-	30.0	30.5	26.2	26.9	-	24.3	24.7	20.2										
472.4	22.4	-	-	29.0	29.5	25.2	25.8	-	23.2	23.7	18.7										
479.0	20.3	-	-	26.9	-	23.1	23.6	-	21.1	21.5	15.9										
482.3	-	-	-	25.8	-	22.0	22.5	-	20.0	20.5	14.4										
485.6	-	-	-	24.7	-	20.9	-	-	19.0	19.4	13.0										
488.8	-	-	-	23.8	-	20.0	-	-	18.0	18.5	11.8										
492.1	-	-	-	-	-	19.1	-	-	17.0	-	10.6										
495.4	-	-	-	-	-	18.1	-	-	16.1	-	9.4										
498.7	-	-	-	-	-	17.2	-	-	15.1	-	10.6										
505.3	-	-	-	-	-	-	-	-	13.2	-	-										

 0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

		363,800 lb +		110,200 lb				27.6 ft				32.2 ft/s		360°		75%	
		236.2 ft		255.9 ft				275.6 ft				78.7 ft				295.3 ft	
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		0-716.6 klb	
ft	ft	1,000 lb															
52.5	190.7	190.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5
55.8	185.2	185.2	-	-	186.3	187.4	-	-	187.4	188.5	-	-	-	-	-	-	55.8
59.1	179.7	179.7	140.0	-	180.8	183.0	-	-	183.0	184.1	-	-	184.1	185.2	-	-	59.1
62.3	174.7	174.7	136.7	-	176.4	178.0	137.8	-	178.6	179.7	138.9	-	179.7	180.8	-	-	62.3
65.6	169.8	169.8	133.4	-	172.0	173.1	134.5	-	174.2	175.3	136.7	-	175.3	176.4	137.8	-	65.6
72.2	159.8	159.8	126.8	83.6	163.1	164.2	129.0	84.0	165.3	166.4	130.1	-	167.6	168.7	132.3	-	72.2
75.5	156.0	156.0	124.0	82.2	159.3	159.8	126.2	82.7	162.0	162.6	127.3	82.9	164.2	165.3	129.5	83.1	75.5
78.7	152.1	152.1	121.3	80.9	155.4	155.4	123.5	81.4	158.7	158.7	124.6	81.6	160.9	162.0	126.8	82.0	78.7
85.3	144.4	144.4	115.7	78.5	147.7	147.7	117.9	78.9	152.1	152.1	120.2	79.4	154.3	154.3	122.4	79.8	85.3
91.9	137.8	137.8	111.3	76.1	141.1	141.1	113.5	76.7	145.5	145.5	115.7	77.4	148.8	148.8	117.9	77.8	91.9
98.4	131.2	131.2	107.6	73.9	135.6	135.6	109.8	74.7	138.9	138.9	111.3	75.2	141.1	142.2	113.5	75.8	98.4
111.5	120.9	120.9	100.1	69.7	125.3	125.3	102.4	70.8	124.2	128.6	104.4	71.5	121.3	131.9	106.6	72.3	111.5
124.7	110.5	111.9	93.3	66.0	112.6	116.0	95.8	67.1	109.4	119.4	98.0	68.0	104.0	122.7	100.2	68.9	124.7
137.8	100.1	104.3	87.3	62.6	97.4	107.8	89.9	63.7	94.6	111.3	92.2	64.8	89.3	114.6	94.1	65.7	137.8
150.9	87.0	97.7	82.5	59.8	84.2	101.2	85.0	60.9	82.1	104.6	87.2	62.0	77.8	107.7	89.3	62.9	150.9
164.0	75.5	91.7	78.0	57.2	72.5	95.1	80.4	58.3	70.5	98.4	82.6	59.5	66.9	101.4	84.8	60.3	164.0
177.2	65.5	86.4	74.1	54.9	62.2	89.5	76.3	56.0	60.0	92.8	78.5	57.1	56.7	95.7	80.7	58.0	177.2
190.3	57.2	81.9	70.7	53.0	53.9	85.0	72.9	54.1	51.6	88.1	75.0	55.0	48.1	91.0	77.0	56.1	190.3
203.4	49.8	77.7	67.6	51.2	46.4	80.8	69.7	52.2	44.0	83.8	71.7	53.2	40.5	86.6	73.7	54.2	203.4
216.5	43.2	74.1	64.8	49.6	39.7	76.9	66.8	50.5	37.3	79.8	68.8	51.6	33.7	82.5	70.8	52.5	216.5
229.7	37.8	71.0	62.5	48.4	34.1	73.7	64.3	49.2	31.8	76.4	66.3	50.1	28.1	79.1	68.1	51.0	229.7
242.8	32.8	68.2	60.3	47.3	29.0	70.8	62.1	48.0	26.7	73.3	63.9	48.9	23.1	75.8	65.7	49.7	242.8
249.3	30.5	66.9	59.4	46.7	26.7	69.4	61.1	47.5	24.4	71.9	62.8	48.4	20.8	74.3	64.6	49.1	249.3
255.9	28.2	65.7	58.4	-	24.5	68.1	60.2	47.0	22.0	70.5	61.7	47.8	18.5	72.8	63.5	48.5	255.9
262.5	26.3	64.7	57.7	-	22.6	66.9	59.4	46.5	20.1	69.3	60.8	47.4	16.5	71.5	62.5	48.0	262.5
269.0	24.4	63.6	57.0	-	20.6	65.8	58.6	-	18.2	68.0	60.0	47.0	14.6	70.3	61.6	47.5	269.0
275.6	22.5	62.6	56.2	-	18.7	64.6	57.8	-	16.3	66.8	59.1	46.5	12.6	69.0	60.6	47.0	275.6
278.9	21.6	62.2	-	-	17.9	64.2	57.5	-	15.5	66.3	58.8	46.3	11.7	68.5	60.3	46.8	278.9
282.2	20.7	61.7	-	-	17.1	63.7	57.1	-	14.6	65.8	58.4	-	10.9	67.9	59.9	46.6	282.2
285.4	19.8	61.3	-	-	16.3	63.3	56.8	-	13.8	65.4	58.1	-	10.1	67.4	59.5	46.5	285.4
292.0	-	-	-	-	14.7	62.4	56.2	-	12.1	64.4	57.4	-	8.4	66.4	58.8	46.1	292.0
295.3	-	-	-	-	13.9	61.9	-	-	11.2	63.9	57.1	-	-	65.7	58.4	-	295.3
301.8	-	-	-	-	12.3	61.3	-	-	9.8	63.1	56.5	-	-	64.8	57.8	-	301.8
308.4	-	-	-	-	-	-	-	-	8.4	62.3	56.0	-	-	63.9	57.1	-	308.4
311.7	-	-	-	-	-	-	-	-	7.7	61.9	-	-	-	63.5	56.8	-	311.7
321.5	-	-	-	-	-	-	-	-	-	60.8	-	-	-	62.4	56.0	-	321.5
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	62.1	55.8	-	324.8
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	61.1	-	-	334.6
337.9	-	-	-	-	-	-	-	-	-	-	-	-	-	60.6	-	-	337.9

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		315.0 ft		334.6 ft		354.3 ft			
		LSL+LF_2		LSL+LF_4		LSL+LF_2		LSL+LF_4	
		78.7 ft							
		0 lb		0-716.6 klb		0 lb		0-716.6 klb	
		15°		20°		30°		15°	
		15°		20°		30°		15°	
		15°		20°		30°		15°	
		15°		20°		30°		15°	
		15°		20°		30°		15°	
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		15°		20°		30°		15°	
		15°		20°		30°		15°	
		15°		20°		30°		15°	
		15°		20°		30°			

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		374.0 ft		393.7 ft		413.4 ft					
		LSL+LF_2 LSL+LF_4		LSL+LF_2 LSL+LF_4		LSL+LF_2 LSL+LF_4					
		78.7 ft		0 lb		0 lb		0 lb		0 lb	
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb	
		15° 20° 30° 15° 20°		15° 20° 30° 15° 20°		15° 20° 30° 15° 20°		15° 20° 30° 15° 20°		15° 20° 30° 15° 20°	
		ft		1,000 lb		ft		ft		ft	
65.6	170.9	176.4	-	-	-	-	-	-	-	-	65.6
68.9	170.3	175.3	-	-	-	158.7	165.3	-	-	-	68.9
72.2	169.8	174.2	135.6	-	-	124.6	158.7	164.2	134.5	-	72.2
75.5	161.5	171.4	133.4	-	-	122.9	153.2	163.1	132.3	-	75.5
78.7	156.5	168.7	131.2	-	-	121.3	151.0	162.0	130.1	-	78.7
85.3	142.2	163.1	126.8	80.7	-	116.8	136.7	158.7	126.8	80.5	85.3
88.6	135.6	160.4	125.1	79.8	-	115.2	130.6	157.6	125.1	79.6	88.6
91.9	129.0	157.6	123.5	78.9	-	113.5	124.6	156.5	123.5	78.7	91.9
98.4	117.9	152.1	120.2	77.2	-	110.2	113.5	152.1	121.3	77.2	98.4
111.5	99.9	142.6	113.5	74.2	-	105.1	95.8	144.0	114.6	74.4	111.5
124.7	83.8	133.7	107.4	71.4	-	100.0	80.0	136.0	108.6	71.7	124.7
137.8	69.9	125.7	101.6	68.6	-	95.0	66.4	127.9	103.2	69.2	137.8
150.9	59.2	118.3	96.6	65.9	-	90.9	55.8	121.3	98.2	66.6	150.9
164.0	49.4	112.0	92.1	63.5	-	87.0	46.2	115.0	93.6	64.2	164.0
177.2	40.6	106.7	88.0	61.3	-	83.3	37.5	109.1	89.5	61.9	177.2
190.3	33.5	101.6	84.3	59.2	-	80.0	30.4	104.0	85.8	59.9	190.3
203.4	26.9	96.9	80.8	57.3	-	76.7	24.0	99.2	82.4	58.1	203.4
216.5	20.7	92.6	77.6	55.6	-	73.6	18.1	94.8	79.1	56.4	216.5
229.7	15.0	88.8	74.8	54.1	-	71.0	12.6	91.0	76.4	54.8	229.7
236.2	12.1	86.9	73.4	53.4	-	69.7	9.9	89.1	75.0	54.0	236.2
239.5	10.9	86.0	72.9	53.0	-	69.1	8.8	88.2	74.3	53.7	239.5
242.8	9.6	85.2	72.3	52.7	-	68.5	-	87.4	73.7	53.4	242.8
246.1	8.4	84.3	71.7	52.4	-	67.9	-	86.5	73.1	53.0	246.1
255.9	-	81.8	69.9	51.4	-	66.1	-	84.0	71.2	52.0	255.9
269.0	-	79.0	67.7	50.2	-	64.2	-	81.1	69.0	50.9	269.0
282.2	-	76.3	65.6	49.1	-	62.5	-	78.3	66.9	49.8	282.2
295.3	-	73.6	63.7	48.1	-	60.8	-	75.6	65.0	48.7	295.3
308.4	-	71.5	62.2	47.2	-	59.3	-	73.3	63.4	47.8	308.4
321.5	-	69.4	60.6	46.4	-	57.8	-	71.2	61.9	47.0	321.5
334.6	-	67.5	59.3	45.9	-	56.4	-	69.2	60.4	46.3	334.6
347.8	-	65.7	58.0	45.3	-	55.3	-	67.5	59.1	45.7	347.8
351.1	-	65.3	57.7	45.2	-	55.0	-	67.0	58.8	45.6	351.1
360.9	-	64.2	56.9	-	-	54.2	-	65.8	57.9	45.2	360.9
364.2	-	63.8	56.7	-	-	53.9	-	65.4	57.7	45.0	364.2
374.0	-	62.8	56.0	-	-	53.1	-	64.2	56.9	-	374.0
380.6	-	62.2	55.6	-	-	52.8	-	63.5	56.4	-	380.6
387.1	-	61.7	55.3	-	-	52.4	-	62.8	56.0	-	387.1
393.7	-	61.1	54.9	-	-	48.5	-	62.2	55.6	-	393.7
400.3	-	60.5	-	-	-	-	-	61.7	55.2	-	400.3
406.8	-	60.0	-	-	-	-	-	61.1	54.9	-	406.8
410.1	-	-	-	-	-	-	-	60.9	54.7	-	410.1
413.4	-	-	-	-	-	-	-	60.6	-	-	413.4
423.2	-	-	-	-	-	-	-	60.0	-	-	423.2
426.5	-	-	-	-	-	-	-	-	-	60.7	54.5
439.6	-	-	-	-	-	-	-	-	-	59.7	-



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
		433.1 ft		452.8 ft		472.4 ft						
		LSL+LF_2		LSL+LF_4		LSL+LF_2		LSL+LF_4		LSL+LF_2		
		78.7 ft		0 lb		0 lb		0 lb		0 lb		
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		
		15°		20°		30°		15°		20°		
		15°		20°		30°		15°		20°		
		ft		ft		ft		ft		ft		
72.2	131.2	135.6	-	-	-	-	114.6	119.0	-	-	-	72.2
75.5	131.2	135.0	-	-	-	-	114.6	118.5	-	-	-	75.5
78.7	131.2	134.5	120.2	-	-	135.6	114.6	117.9	107.8	-	-	78.7
82.0	126.8	133.9	120.2	-	-	133.9	114.6	117.4	107.7	-	-	82.0
85.3	125.7	133.4	120.2	-	-	132.3	114.6	116.8	107.6	-	-	85.3
88.6	120.2	133.4	119.6	79.1	-	130.6	111.3	116.3	107.4	-	-	88.6
91.9	115.7	133.4	119.0	78.5	-	129.0	110.2	115.7	107.1	78.0	-	91.9
98.4	105.8	132.3	117.9	77.2	-	125.7	102.3	115.7	106.5	76.7	-	98.4
111.5	88.5	130.1	114.3	74.7	-	119.8	85.4	113.5	104.9	74.1	-	111.5
124.7	73.2	127.5	110.0	72.1	-	114.5	70.4	111.7	102.9	71.5	-	124.7
137.8	60.0	124.6	105.2	69.4	-	109.8	57.3	110.2	100.5	69.0	-	137.8
150.9	49.7	120.9	100.6	67.1	-	105.2	47.2	108.2	98.2	66.8	-	150.9
164.0	40.3	116.8	96.3	64.9	-	101.0	38.0	105.6	95.5	64.7	-	164.0
177.2	32.0	112.4	92.2	62.8	-	97.2	29.8	102.5	92.4	62.6	-	177.2
190.3	25.1	108.2	88.6	60.9	-	93.5	23.0	99.4	89.3	60.7	-	190.3
203.4	18.7	103.8	85.2	59.2	-	90.1	16.8	96.4	86.1	59.0	-	203.4
216.5	12.8	99.2	82.0	57.5	-	86.9	11.0	93.3	82.9	57.5	-	216.5
223.1	10.3	96.9	80.6	56.8	-	85.5	8.4	91.8	81.4	56.7	-	223.1
229.7	7.7	94.5	79.2	56.0	-	84.1	-	90.3	79.8	56.0	-	229.7
242.8	-	90.5	76.6	54.6	-	81.4	-	87.3	77.0	54.7	-	242.8
255.9	-	87.1	74.1	53.1	-	78.9	-	84.2	74.5	53.6	-	255.9
269.0	-	84.3	71.9	52.0	-	76.7	-	81.3	72.5	52.4	-	269.0
282.2	-	81.7	69.7	50.9	-	74.6	-	78.5	70.5	51.3	-	282.2
295.3	-	79.1	67.7	49.8	-	72.5	-	75.8	68.8	50.3	-	295.3
308.4	-	76.7	65.9	48.8	-	70.7	-	73.3	67.0	49.2	-	308.4
321.5	-	74.6	64.2	47.9	-	68.9	-	70.0	65.3	48.4	-	321.5
334.6	-	72.5	62.6	47.2	-	67.2	-	67.9	63.7	47.6	-	334.6
347.8	-	70.6	61.3	46.5	-	65.8	-	66.3	62.2	46.9	-	347.8
360.9	-	68.8	60.0	45.8	-	64.4	-	64.4	60.9	46.2	-	360.9
374.0	-	67.0	58.6	45.2	-	63.1	-	63.3	59.7	45.4	-	374.0
387.1	-	65.6	57.7	44.8	-	61.9	-	62.5	58.6	45.0	-	387.1
393.7	-	64.8	57.1	44.5	-	61.3	-	62.2	58.0	44.8	-	393.7
400.3	-	64.2	56.7	-	-	60.8	-	61.9	57.5	44.5	-	400.3
410.1	-	63.2	56.0	-	-	60.2	-	61.5	56.7	44.3	-	410.1
413.4	-	62.8	55.8	-	-	60.0	-	61.3	56.4	-	-	413.4
426.5	-	61.8	55.0	-	-	59.2	-	61.0	55.7	-	-	426.5
439.6	-	60.8	54.4	-	-	58.6	-	60.3	55.0	-	-	439.6
442.9	-	60.6	54.2	-	-	58.4	-	60.1	54.9	-	-	442.9
446.2	-	60.4	27.8	-	-	-	-	59.8	54.7	-	-	446.2
452.8	-	60.0	-	-	-	-	-	59.3	54.5	-	-	452.8
456.0	-	59.7	-	-	-	-	-	58.3	54.3	-	-	456.0
459.3	-	-	-	-	-	-	-	57.4	54.2	-	-	459.3
462.6	-	-	-	-	-	-	-	56.4	31.1	-	-	462.6
465.9	-	-	-	-	-	-	-	55.5	-	-	-	465.9
472.4	-	-	-	-	-	-	-	53.6	-	-	-	472.4
475.7	-	-	-	-	-	-	-	-	-	-	-	475.7
479.0	-	-	-	-	-	-	-	-	-	-	-	479.0
492.1	-	-	-	-	-	-	-	-	-	-	-	492.1

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

		363,800 lb +		110,200 lb				27.6 ft		32.2 ft/s	360°	75%
		482.3 ft		492.1 ft		502.0 ft		511.8 ft		521.7 ft		
								78.7 ft				
		0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	0 lb	716.6 klb	20°
ft		1,000 lb										
82.0	111.3	116.8	99.6	103.4	96.8	100.3	-	-	-	-	-	82.0
85.3	109.1	116.8	99.6	103.2	96.8	100.1	92.8	95.9	89.7	92.6	85.3	
91.9	101.9	116.8	97.9	103.0	95.2	99.6	91.5	95.5	88.6	92.4	91.9	
98.4	91.7	116.8	92.8	102.5	89.9	99.2	87.3	95.0	84.7	91.9	98.4	
111.5	74.8	115.4	76.2	101.2	73.5	98.0	71.0	94.0	68.3	90.9	111.5	
124.7	60.0	113.2	61.6	99.7	58.9	96.8	56.6	92.8	53.9	89.8	124.7	
137.8	47.2	110.2	48.9	98.1	46.3	95.5	44.1	91.5	41.4	88.6	137.8	
150.9	36.9	106.6	38.8	96.5	36.3	93.8	34.1	90.0	31.6	87.3	150.9	
164.0	27.6	102.8	29.6	94.7	27.3	92.3	25.1	88.6	22.6	86.0	164.0	
177.2	19.4	99.0	21.4	92.8	19.2	90.8	17.0	87.1	14.6	84.7	177.2	
187.0	14.2	96.6	16.3	90.8	14.1	89.3	11.8	86.0	9.3	83.6	187.0	
190.3	12.5	95.8	14.6	90.2	12.4	88.8	10.1	85.5	-	83.3	190.3	
193.6	10.8	95.1	12.9	89.5	10.7	88.3	8.4	85.1	-	83.0	193.6	
196.9	9.0	94.4	11.2	88.8	9.0	87.7	-	84.7	-	82.7	196.9	
203.4	-	92.4	8.2	87.7	-	86.8	-	83.8	-	81.9	203.4	
216.5	-	89.5	-	85.3	-	84.9	-	82.2	-	80.5	216.5	
229.7	-	86.7	-	83.0	-	83.0	-	80.8	-	79.1	229.7	
242.8	-	84.1	-	80.8	-	81.1	-	79.0	-	77.8	242.8	
255.9	-	81.6	-	78.7	-	79.4	-	77.6	-	76.5	255.9	
269.0	-	79.1	-	76.8	-	77.2	-	75.4	-	74.5	269.0	
282.2	-	77.1	-	74.7	-	75.6	-	73.9	-	72.8	282.2	
295.3	-	75.0	-	73.0	-	73.9	-	72.3	-	71.0	295.3	
308.4	-	73.2	-	71.3	-	71.8	-	70.2	-	69.7	308.4	
321.5	-	71.6	-	69.6	-	70.3	-	68.6	-	67.8	321.5	
334.6	-	70.1	-	68.1	-	68.8	-	67.2	-	66.6	334.6	
347.8	-	68.4	-	66.6	-	67.2	-	65.3	-	65.3	347.8	
360.9	-	67.0	-	65.4	-	65.7	-	63.6	-	63.6	360.9	
374.0	-	65.7	-	64.4	-	64.4	-	62.4	-	62.4	374.0	
387.1	-	64.4	-	62.9	-	63.5	-	61.4	-	60.6	387.1	
400.3	-	61.7	-	61.9	-	61.8	-	59.7	-	57.4	400.3	
413.4	-	56.9	-	61.1	-	58.6	-	55.8	-	52.7	413.4	
426.5	-	51.7	-	56.3	-	53.4	-	50.6	-	47.5	426.5	
439.6	-	46.8	-	51.4	-	48.4	-	45.7	-	42.6	439.6	
452.8	-	41.9	-	46.5	-	43.7	-	41.0	-	37.9	452.8	
465.9	-	37.6	-	42.1	-	39.2	-	36.6	-	33.7	465.9	
479.0	-	33.6	-	38.0	-	35.1	-	32.5	-	29.5	479.0	
485.6	-	15.7	-	36.1	-	33.2	-	30.6	-	27.6	485.6	
492.1	-	-	-	34.2	-	31.3	-	28.7	-	25.6	492.1	
502.0	-	-	-	-	-	28.4	-	25.9	-	22.9	502.0	
508.5	-	-	-	-	-	-	-	24.0	-	21.2	508.5	
515.1	-	-	-	-	-	-	-	-	-	19.4	515.1	



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%		
236.2 ft		255.9 ft		275.6 ft		295.3 ft		315.0 ft		
LSL+LF_2		118.1 ft								
0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb		
ft	ft	1,000 lb								
65.6	114.6	114.6	-	-	-	-	-	-	-	65.6
68.9	111.8	112.0	-	-	112.4	112.4	-	-	-	68.9
72.2	108.9	109.3	-	-	109.8	110.2	-	-	-	72.2
75.5	106.3	106.7	84.7	-	107.3	107.7	-	-	107.8	108.1
78.7	103.6	104.1	82.9	-	104.7	105.2	83.3	-	105.4	106.0
82.0	101.2	101.6	81.1	-	102.3	102.8	81.6	-	103.1	103.7
85.3	98.8	99.2	79.4	-	99.9	100.5	79.8	-	100.8	101.4
91.9	94.4	95.0	76.1	-	95.7	96.1	76.7	-	96.8	97.2
95.1	92.4	92.9	74.6	48.1	93.8	94.2	75.4	48.1	94.9	95.3
98.4	90.4	90.8	73.2	47.4	91.9	92.4	74.1	47.4	93.0	93.5
101.7	88.6	89.0	71.9	46.7	90.2	90.6	72.8	46.7	91.3	91.8
111.5	83.3	83.6	68.0	44.6	85.0	85.3	69.1	44.8	86.3	86.7
124.7	76.9	77.1	63.3	42.0	78.6	78.9	64.4	42.3	80.1	80.5
137.8	71.0	71.2	59.1	39.7	72.8	73.0	60.2	39.9	74.5	74.7
150.9	66.3	66.5	55.6	37.6	68.0	68.3	56.7	38.0	69.7	70.0
164.0	62.2	62.5	52.4	35.8	63.9	64.1	53.5	36.2	65.3	65.8
177.2	58.6	59.1	49.6	34.2	60.2	60.4	50.7	34.6	61.5	61.9
190.3	55.7	56.0	47.3	32.8	56.2	57.6	48.5	33.3	55.2	59.0
203.4	51.8	53.1	45.0	31.6	50.8	54.8	46.3	32.0	48.6	56.2
216.5	47.0	50.3	43.0	30.4	43.9	52.0	44.1	30.9	41.7	53.6
229.7	41.4	47.9	41.2	29.4	38.1	49.7	42.3	29.8	35.9	51.2
242.8	36.2	45.7	39.5	28.5	32.9	47.5	40.6	28.9	30.7	49.0
255.9	31.5	43.7	37.9	27.8	28.2	45.4	39.0	28.0	26.0	47.0
269.0	27.4	41.9	36.6	27.0	24.1	43.5	37.7	27.4	21.9	45.0
282.2	23.7	40.3	35.4	26.6	20.4	41.8	36.4	26.9	18.2	43.3
288.7	22.0	39.5	34.9	26.5	18.7	41.1	35.9	26.7	16.5	42.5
295.3	20.3	38.8	34.4	-	17.0	40.3	35.3	26.5	14.8	41.7
301.8	18.8	38.2	34.0	-	15.4	39.7	34.8	26.2	13.2	41.0
308.4	17.3	37.6	33.5	-	13.9	39.0	34.4	-	11.7	40.3
315.0	15.9	37.0	33.1	-	12.3	38.4	34.0	-	10.1	39.7
321.5	14.6	36.6	-	-	11.1	37.8	33.5	-	8.8	39.1
324.8	13.9	36.4	-	-	10.5	37.6	33.3	-	8.2	38.8
331.4	-	-	-	-	9.2	37.1	32.8	-	-	38.2
334.6	-	-	-	-	8.6	36.8	-	-	-	37.9
337.9	-	-	-	-	7.9	36.6	-	-	-	37.7
341.2	-	-	-	-	-	36.4	-	-	-	37.4
344.5	-	-	-	-	-	-	-	-	-	37.1
347.8	-	-	-	-	-	-	-	-	-	36.9
357.6	-	-	-	-	-	-	-	-	-	36.2
360.9	-	-	-	-	-	-	-	-	-	37.3
364.2	-	-	-	-	-	-	-	-	-	36.8
374.0	-	-	-	-	-	-	-	-	-	36.2
380.6	-	-	-	-	-	-	-	-	-	37.0
387.1	-	-	-	-	-	-	-	-	-	36.7
393.7	-	-	-	-	-	-	-	-	-	35.9



0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

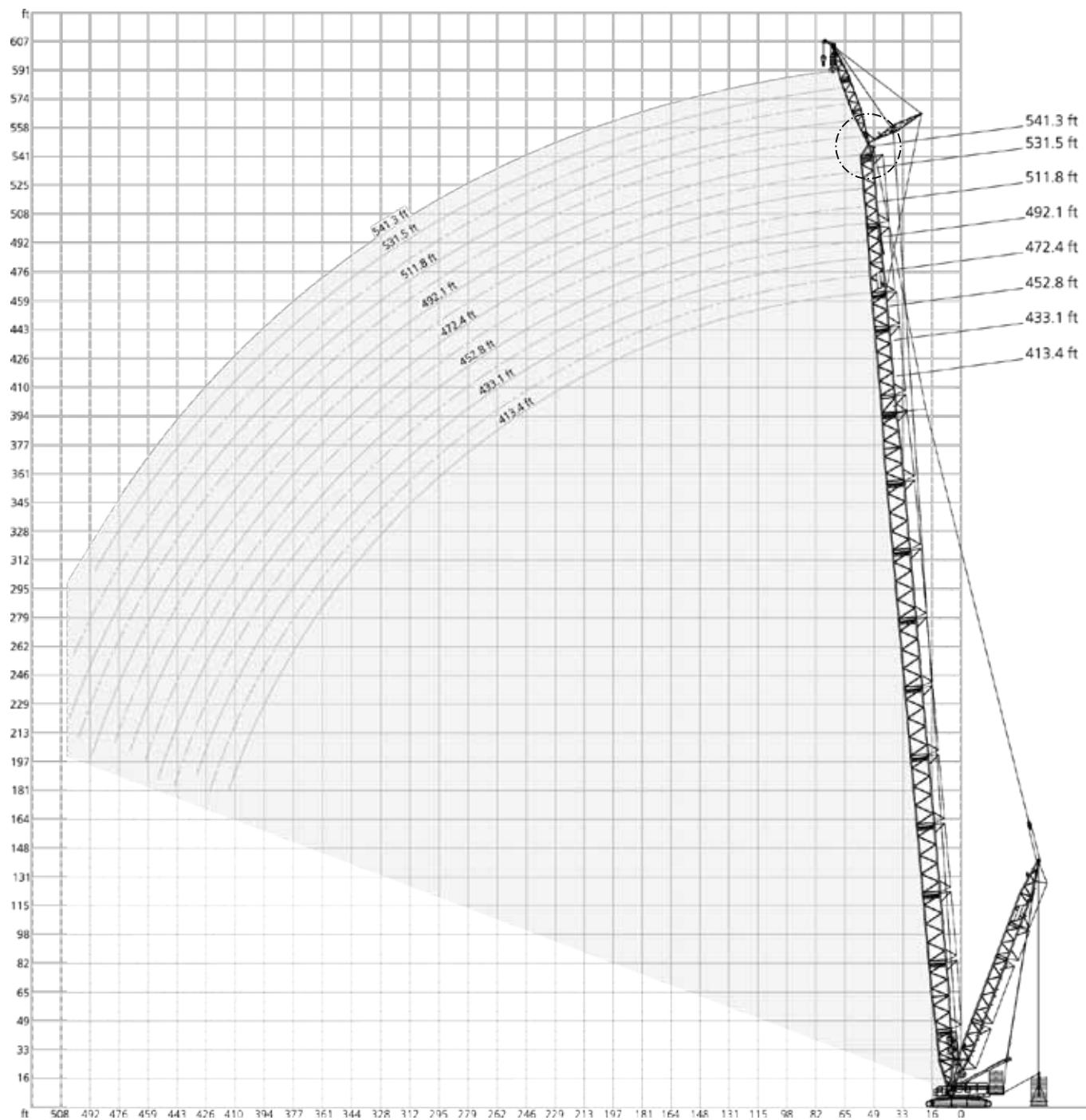
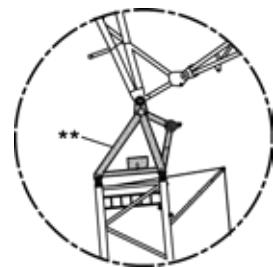
716,600 lb

		363,800 lb + 110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
		334.6 ft		354.3 ft		374.0 ft		393.7 ft		413.4 ft	
		LSL+LF_2		118.1 ft		0 lb		0 lb		0 lb	
		0 lb		0-716.6 klb		0 lb		0-716.6 klb		0 lb	
		15°		20°		30°		15°		20°	
ft		1,000 lb									
75.5	109.1	110.0	-	-	-	-	-	-	-	-	-
78.7	107.1	107.8	-	-	107.4	108.2	-	107.6	108.5	-	-
82.0	105.1	105.7	-	-	105.5	106.3	-	105.8	106.6	-	-
85.3	103.0	103.6	81.1	-	103.6	104.3	-	104.1	104.7	-	-
88.6	101.1	101.7	79.8	-	101.7	102.4	80.0	-	102.3	103.0	80.2
91.9	99.2	99.9	78.5	-	99.9	100.5	78.7	-	100.5	101.2	78.9
98.4	95.7	96.3	76.1	-	96.6	97.2	76.3	-	97.4	97.9	76.7
101.7	94.2	94.8	75.0	46.7	95.1	95.7	75.3	-	95.8	96.5	75.7
105.0	92.7	93.3	73.9	46.2	93.6	94.1	74.2	46.1	94.3	95.0	74.7
108.3	91.2	91.7	72.8	45.6	92.2	92.6	73.2	45.5	92.8	93.6	73.4
111.5	89.7	90.2	71.7	45.0	90.7	91.1	72.2	45.0	91.3	92.2	72.6
124.7	84.0	84.4	67.6	42.9	83.8	85.6	68.3	43.0	82.7	86.8	68.8
137.8	78.7	79.1	63.9	41.0	77.8	80.5	64.6	41.2	73.2	81.8	65.3
150.9	70.5	74.4	60.6	39.2	66.9	75.9	61.4	39.5	62.5	77.2	62.2
164.0	62.2	70.1	57.5	37.6	57.2	71.7	58.3	37.8	52.7	73.0	59.2
177.2	53.4	66.1	54.7	36.2	48.5	67.7	55.6	36.4	43.9	69.0	56.4
190.3	46.2	62.9	52.2	34.7	41.3	64.3	53.1	35.1	36.8	65.6	53.9
203.4	39.5	60.0	49.9	33.4	34.7	61.2	50.7	33.8	30.3	62.5	51.6
216.5	33.3	57.3	47.8	32.4	28.7	58.4	48.5	32.6	24.3	59.5	49.4
229.7	27.7	55.0	46.1	31.4	23.5	56.1	46.7	31.6	19.1	57.2	47.6
242.8	22.5	52.7	44.4	30.4	18.6	53.8	45.0	30.6	14.3	54.9	45.9
246.1	21.3	52.1	44.0	30.1	17.4	53.2	44.6	30.4	13.2	54.3	45.5
252.6	18.8	51.0	43.2	29.6	15.1	52.1	43.8	30.0	11.0	53.2	44.7
255.9	17.6	50.5	42.8	29.3	13.9	51.6	43.4	29.8	9.9	52.7	44.3
262.5	15.6	49.5	42.0	29.0	11.8	50.7	42.7	29.3	7.9	51.8	43.6
269.0	13.5	48.6	41.3	28.6	9.7	49.7	42.0	28.9	-	50.8	42.8
272.3	12.5	48.1	40.9	28.4	8.6	49.2	41.7	28.7	-	50.3	42.5
282.2	9.6	46.8	39.9	27.9	-	47.9	40.7	28.3	-	48.9	41.4
288.7	7.7	46.1	39.3	27.6	-	47.1	39.9	27.9	-	48.1	40.8
295.3	-	45.2	38.6	27.3	-	46.3	39.2	27.6	-	47.2	40.1
308.4	-	43.7	37.6	26.8	-	44.7	38.2	27.0	-	45.7	38.9
321.5	-	42.3	36.6	26.2	-	43.2	37.2	26.5	-	44.3	37.8
334.6	-	41.0	35.7	25.8	-	41.9	36.2	26.0	-	43.0	36.8
347.8	-	40.0	34.8	25.5	-	40.9	35.4	25.7	-	41.8	35.9
357.6	-	39.2	34.2	25.4	-	40.1	34.9	25.5	-	41.0	35.3
360.9	-	38.9	34.1	-	-	39.8	34.7	25.4	-	40.7	35.1
374.0	-	37.9	33.5	-	-	38.8	34.0	25.1	-	39.7	34.4
387.1	-	37.2	32.9	-	-	37.9	33.4	-	-	38.8	33.8
397.0	-	36.6	32.4	-	-	37.3	33.0	-	-	38.2	33.8
400.3	-	36.5	-	-	-	37.2	32.8	-	-	38.0	33.3
403.5	-	36.3	-	-	-	37.0	32.7	-	-	37.8	33.6
410.1	-	35.9	-	-	-	36.6	32.5	-	-	37.4	33.4
413.4	-	-	-	-	-	36.4	32.4	-	-	37.3	33.2
416.7	-	-	-	-	-	36.2	-	-	-	37.1	33.0
426.5	-	-	-	-	-	35.7	-	-	-	37.1	32.8
429.8	-	-	-	-	-	-	36.4	32.2	-	37.0	32.7
439.6	-	-	-	-	-	-	35.9	-	-	36.5	32.4
442.9	-	-	-	-	-	-	35.7	-	-	36.4	32.3
446.2	-	-	-	-	-	-	-	-	-	36.2	32.2
452.8	-	-	-	-	-	-	-	-	-	35.9	32.1
459.3	-	-	-	-	-	-	-	-	-	35.7	32.0
465.9	-	-	-	-	-	-	-	-	-	35.9	32.0
479.0	-	-	-	-	-	-	-	-	-	35.5	-

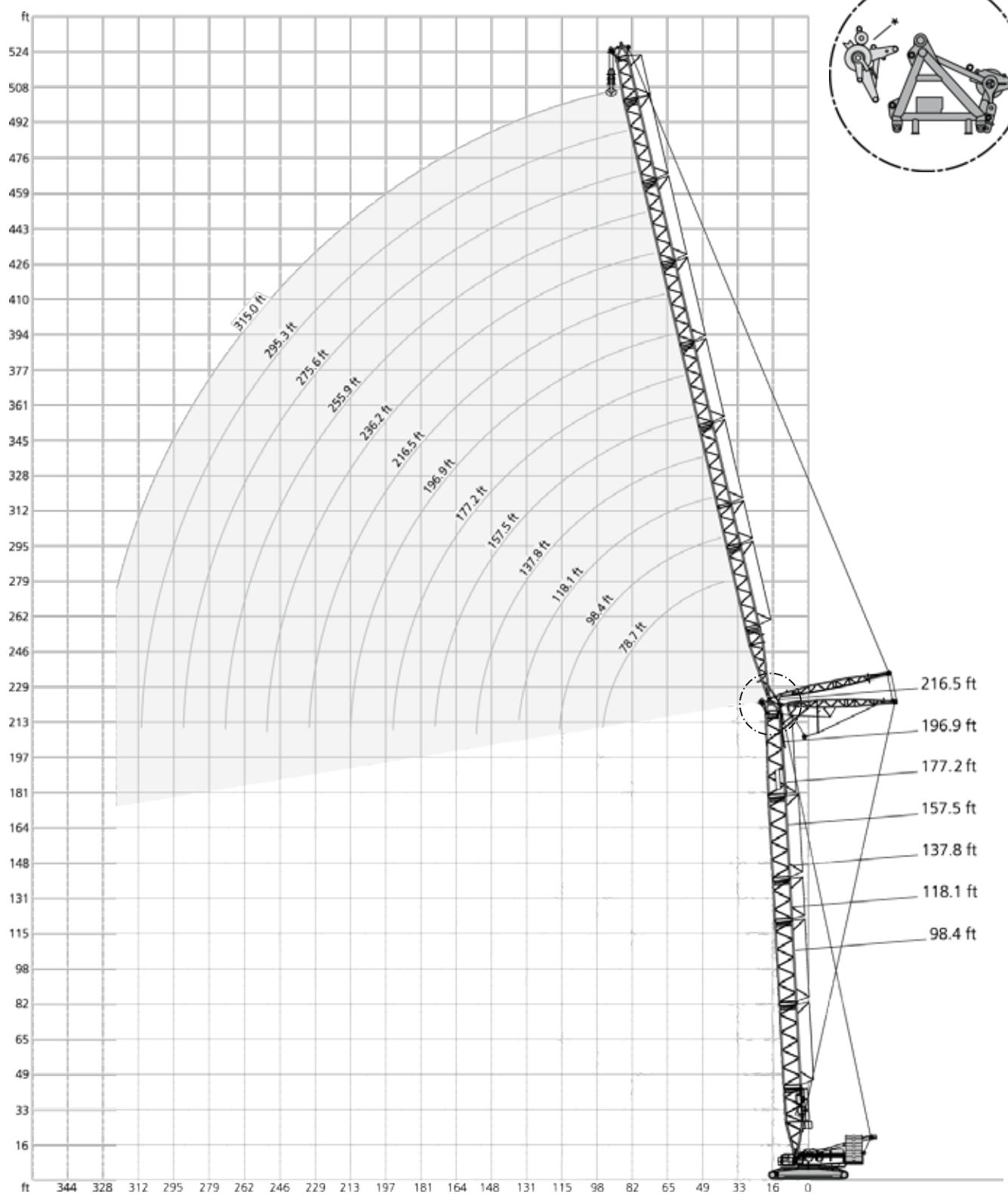
0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 lb 716,600 lb

363,800 lb +		110,200 lb		27.6 ft		32.2 ft/s		360°		75%	
				433.1 ft		452.8 ft		472.4 ft			
				LSL+LF_2							
		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				0-716.6 klb	
ft						1,000 lb					
85.3	89.3	93.3	-	80.5	83.6	-	-	-	-	-	85.3
88.6	89.3	93.1	-	80.5	83.4	-	-	71.7	74.3	-	88.6
91.9	89.3	93.0	-	80.5	83.3	-	-	71.7	74.1	-	91.9
95.1	89.2	92.6	76.1	-	80.5	83.2	72.1	-	71.5	73.9	-
98.4	89.1	92.2	75.2	-	80.5	83.1	71.9	-	71.4	73.6	64.8
111.5	83.3	89.5	71.9	44.3	77.1	81.9	69.7	-	70.1	72.6	64.2
114.8	82.9	89.0	71.1	43.9	76.8	81.6	69.2	43.7	69.8	72.3	64.1
124.7	76.1	86.3	68.8	42.7	70.3	80.2	67.5	42.4	63.9	71.4	63.3
137.8	63.5	82.0	65.7	41.2	60.8	77.8	64.8	40.8	57.5	70.1	62.2
150.9	53.2	78.0	62.8	39.8	50.7	75.0	62.0	39.3	47.4	68.6	60.0
164.0	43.9	74.2	60.0	38.3	41.5	72.3	59.4	37.9	38.3	67.2	57.8
177.2	35.5	70.5	57.3	36.8	33.3	69.7	56.9	36.6	30.2	65.7	55.8
190.3	28.6	67.3	55.0	35.6	26.4	67.0	54.5	35.4	23.4	63.8	53.9
203.4	22.2	64.2	52.7	34.5	20.1	64.4	52.3	34.2	17.2	61.9	52.0
216.5	16.3	61.3	50.5	33.3	14.3	61.9	50.3	33.1	11.5	59.7	50.3
223.1	13.8	60.0	49.5	32.8	11.9	60.7	49.4	32.6	8.8	58.8	49.4
229.7	11.3	58.6	48.5	32.3	9.4	59.4	48.5	32.0	-	57.8	48.5
232.9	10.1	58.0	48.1	32.0	8.2	58.8	48.1	31.8	-	57.4	48.1
236.2	8.8	57.3	47.6	31.7	-	58.2	47.6	31.5	-	56.9	47.6
242.8	-	56.2	46.8	31.3	-	57.0	46.8	31.1	-	55.9	46.8
255.9	-	54.0	45.2	30.4	-	54.7	45.2	30.2	-	53.8	45.2
269.0	-	52.2	43.9	29.5	-	52.5	43.9	29.5	-	51.9	43.6
282.2	-	50.5	42.5	28.7	-	50.6	42.5	28.7	-	49.9	42.2
295.3	-	48.7	41.2	28.0	-	48.9	41.2	28.0	-	48.1	41.0
308.4	-	47.3	39.9	27.4	-	47.4	40.1	27.5	-	46.4	39.8
321.5	-	45.9	38.9	26.9	-	46.1	38.9	26.8	-	44.9	38.7
334.6	-	44.5	37.7	26.2	-	44.8	37.9	26.2	-	43.4	37.7
347.8	-	43.2	36.8	25.8	-	43.4	37.0	25.9	-	41.9	36.8
360.9	-	42.0	36.0	25.5	-	42.3	36.2	25.4	-	40.6	36.0
374.0	-	41.0	35.3	25.1	-	41.2	35.3	25.1	-	39.5	35.3
387.1	-	40.0	34.5	24.8	-	40.2	34.7	24.8	-	38.4	34.6
400.3	-	39.1	33.9	24.6	-	39.3	34.1	24.5	-	37.3	33.9
413.4	-	38.4	33.3	24.5	-	38.6	33.5	24.3	-	36.2	33.3
426.5	-	37.6	32.8	24.3	-	37.9	33.1	24.1	-	35.6	32.8
433.1	-	37.3	32.6	24.0	-	37.5	32.8	24.0	-	35.3	32.6
439.6	-	37.1	32.6	-	-	37.2	32.6	24.0	-	35.1	32.4
446.2	-	36.9	32.4	-	-	36.9	32.4	23.8	-	35.0	32.2
452.8	-	36.6	32.2	-	-	36.6	32.2	-	-	34.8	32.0
462.6	-	36.3	32.1	-	-	36.3	32.0	-	-	34.6	31.8
465.9	-	36.2	32.0	-	-	36.2	31.9	-	-	34.5	31.7
479.0	-	35.8	31.7	-	-	35.8	31.7	-	-	34.3	31.5
482.3	-	35.7	31.7	-	-	35.7	31.6	-	-	34.3	31.5
492.1	-	35.5	-	-	-	35.5	31.5	-	-	34.2	31.3
495.4	-	35.3	-	-	-	35.5	31.5	-	-	34.2	31.3
498.7	-	-	-	-	-	35.4	31.5	-	-	34.2	31.2
511.8	-	-	-	-	-	35.3	-	-	-	34.2	31.1
518.4	-	-	-	-	-	-	-	-	-	34.2	12.1
528.2	-	-	-	-	-	-	-	-	-	34.2	-

0 lb 143,300 lb 209,500 lb 275,600 lb 363,800 lb 452,000 lb 584,300 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°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°
ft				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

* 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									
		255.9 ft		275.6 ft		295.3 ft		315.0 ft			
		SW_1									
		87°/85° 75° 65°		87°/85° 75° 65°		87°/85° 75° 65°		87°/85° 75° 65°			
ft		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
255.9	37.5	26.7	18.3	34.6	23.6	14.8	32.8	21.8	13.0	30.9	19.4
262.5	33.7*	25.0	16.7	32.6	21.8	13.3	30.9	20.1	11.5	28.8	17.7
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°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 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	-	56.4
190.3	-	-	-	-	-	-	-	-	-	-	50.5
193.6	-	-	-	-	-	-	-	-	-	-	49.2
200.1	-	-	-	-	-	-	-	-	-	-	46.7
203.4	-	-	-	-	-	-	-	-	-	-	-
216.5	-	-	-	-	-	-	-	-	-	-	36.2

* 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%	
137.8 ft											
				177.2 ft		196.9 ft		216.5 ft		236.2 ft	
				87°/85°		75°		65°		87°/85°	
				87°/85°		75°		65°		87°/85°	
				ft		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
210.0	-	48.6	36.9	58.0*	45.7	33.8	58.5	43.8	31.6	56.9	41.5
213.3	-	47.4	35.8	-	44.4	32.7	57.0	42.4	30.5	55.3	40.1
216.5	-	-	34.6	-	43.0	31.5	55.6	41.0	29.3	53.8	38.8
226.4	-	-	31.6	-	39.7	28.5	49.4*	37.5	26.2	49.7	35.2
229.7	-	-	30.6	-	38.6	27.6	-	36.4	25.4	48.3	34.0
232.9	-	-	29.8	-	37.5	26.7	-	35.3	24.5	47.1	32.9
236.2	-	-	28.9	-	-	25.8	-	34.3	23.6	45.9	31.9
242.8	-	-	-	-	-	24.0	-	32.2	21.8	43.4	29.8
246.1	-	-	-	-	-	23.3	-	31.3	21.1	39.9*	28.9
252.6	-	-	-	-	-	21.9	-	29.5	19.5	-	27.1
255.9	-	-	-	-	-	21.2	-	-	18.7	-	26.2
269.0	-	-	-	-	-	-	-	-	16.1	-	22.9
272.3	-	-	-	-	-	-	-	-	15.4	-	22.3
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											
				255.9 ft		275.6 ft		295.3 ft		315.0 ft	
				87°/85°		75°		65°		87°/85°	
				87°/85°		75°		65°		87°/85°	
				ft		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				SW_1														
ft		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	
				87°/85°		75°		65°		87°/85°	
ft											1,000 lb
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
219.8	-	41.4	28.1	-	38.4	25.1	53.7	36.5	22.9	51.7	34.3
229.7	-	-	25.4	-	35.3	22.3	47.0*	33.1	20.1	47.6	30.9
239.5	-	-	23.0	-	32.4	19.8	-	30.1	17.6	44.0	27.9
242.8	-	-	22.3	-	-	19.0	-	29.1	16.8	42.8	26.9
246.1	-	-	21.6	-	-	18.3	-	28.3	16.0	39.0*	25.9
249.3	-	-	-	-	-	17.6	-	27.4	15.3	37.9*	24.9
255.9	-	-	-	-	-	16.3	-	25.8	13.9	-	23.4
262.5	-	-	-	-	-	15.0	-	-	12.7	-	21.8
265.7	-	-	-	-	-	-	-	-	12.1	-	21.1
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	
		87°/85°		75°		65°		87°/85°	
ft									1,000 lb
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	-
187.0	67.1	46.5	-	63.7	42.7	-	60.3	39.3	56.2
190.3	65.0	45.0	-	61.9	41.2	-	58.6	37.9	54.5
203.4	58.0	38.8	-	55.1	35.5	-	52.5	32.8	48.5
216.5	51.4	33.5	-	48.5	30.2	-	47.0	28.4	43.0
226.4	47.2	30.0	16.3	44.4	26.7	-	42.8	25.0	39.3
229.7	45.9	28.9	15.4	43.0	25.6	-	41.4	23.8	38.1
242.8	40.8	24.9	12.1	37.9	21.6	-	36.4	19.8	33.7
255.9	36.4	21.2	9.3	33.5	17.9	-	32.0	16.3	29.8
269.0	30.2*	18.1	-	29.5	14.8	-	28.0	13.0	25.8
275.6	-	16.6	-	27.9	13.3	-	26.2	11.6	24.0
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				SW_1											
				78.7 ft	98.4 ft	118.1 ft	137.8 ft	157.5 ft							
				87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°		
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	-	55.4		
187.0	-	-	-	-	-	-	-	41.0	-	56.4	38.9	-	52.1		
190.3	-	-	-	-	-	-	-	39.7	-	-	37.5	-	50.5		
196.9	-	-	-	-	-	-	-	37.7	-	-	35.3	-	47.7		
203.4	-	-	-	-	-	-	-	-	-	-	33.1	-	45.0		
216.5	-	-	-	-	-	-	-	-	-	-	29.5	-	-		
229.7	-	-	-	-	-	-	-	-	-	-	-	-	21.4		
232.9	-	-	-	-	-	-	-	-	-	-	-	-	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°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	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
164.0	88.0	64.6	-	86.0	61.7	-	84.7	59.7	82.5
177.2	78.5	56.4	-	76.5	53.8	-	75.2	51.8	73.9
190.3	67.5*	49.6	32.2	68.6	47.0	-	67.0	45.0	65.7
193.6	65.7*	48.2	31.0	66.9	45.5	-	65.3	43.4	64.0
203.4	-	43.9	27.6	61.7	41.0	24.5	60.2	39.0	58.9
213.3	-	40.2	24.6	54.2*	37.4	21.3	55.9	35.2	54.0
216.5	-	39.0	23.6	-	36.2	20.3	54.5	34.0	52.5
223.1	-	36.8	21.8	-	34.0	18.6	51.7	31.9	49.7
229.7	-	-	20.1	-	31.7	17.0	45.6*	29.8	47.0
232.9	-	-	19.3	-	30.9	16.2	44.5*	28.8	45.7
242.8	-	-	17.2	-	28.2	13.9	-	26.0	42.1
249.3	-	-	15.9	-	-	12.6	-	24.3	36.8*
252.6	-	-	15.2	-	-	11.9	-	23.5	21.1
255.9	-	-	-	-	-	11.2	-	22.7	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									
SW_1										
255.9 ft 275.6 ft 295.3 ft 315.0 ft										
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 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	
203.4	57.3	35.1	-	53.4	31.1	-	50.3	27.8	46.1	
216.5	50.7	30.0	-	47.8	26.7	-	44.8	23.6	41.0	
229.7	45.2	25.6	-	42.3	22.3	-	40.1	19.8	36.2	
242.8	40.1	21.6	-	37.3	18.3	-	35.7	16.5	32.0	
255.9	35.9	18.3	-	32.8	15.0	-	31.3	13.2	28.0	
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			
	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°
ft	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	35.5
187.0	-	-	-	-	-	37.0	-	-	33.8	-	51.8	31.7
190.3	-	-	-	-	-	-	-	-	32.6	-	50.3	30.4
203.4	-	-	-	-	-	-	-	-	28.7	-	-	-
210.0	-	-	-	-	-	-	-	-	-	-	26.2	-
216.5	-	-	-	-	-	-	-	-	-	-	24.6	-
223.1	-	-	-	-	-	-	-	-	-	-	22.9	-
229.7	-	-	-	-	-	-	-	-	-	-	21.6	-
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									
SW_1										
177.2 ft 196.9 ft 216.5 ft 236.2 ft										
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°										
ft	1,000 lb									
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	
177.2	77.8	51.8	-	75.8	49.2	-	74.5	47.2	71.7	
190.3	66.1*	45.4	-	67.7	42.5	-	66.4	40.6	64.8	
193.6	64.4*	44.0	-	66.0	41.2	-	64.7	39.2	63.2	
200.1	-	41.2	22.0	62.7	38.4	-	61.2	36.4	59.9	
203.4	-	39.9	20.9	61.1	37.0	-	59.5	35.1	58.2	
210.0	-	37.5	19.2	54.4*	34.6	15.9	56.5	32.6	55.0	
213.3	-	36.3	18.3	52.9*	33.4	15.0	55.1	31.4	53.4	
216.5	-	35.1	17.4	-	32.2	14.1	53.6	30.2	51.8	
229.7	-	31.1	14.1	-	28.0	11.0	44.5*	26.0	46.3	
232.9	-	-	13.4	-	27.1	10.4	43.2*	25.1	45.1	
239.5	-	-	12.1	-	25.4	9.0	-	23.4	42.7	
242.8	-	-	11.5	-	24.7	-	-	22.5	41.4	
249.3	-	-	10.4	-	23.1	-	-	20.9	35.7*	
252.6	-	-	9.8	-	-	-	-	20.2	34.8*	
255.9	-	-	9.3	-	-	-	-	19.4	-	
265.7	-	-	-	-	-	-	-	17.2	-	
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

* 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		
							SW_1							
					ft		87°/85°			75°		65°		
					ft		87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
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							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		
							87°/85°			75°		65°		

	452,000 lb +		110,200 lb		27.6 ft		32.2 ft/s	360°	75%
	216.5 ft								
	177.2 ft		196.9 ft		216.5 ft		236.2 ft		
					SW_1				
	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°
ft	1,000 lb								
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	14.7
269.0	-	-	-	-	-	-	-	13.7	11.2
272.3	-	-	-	-	-	-	-	13.0	10.6
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

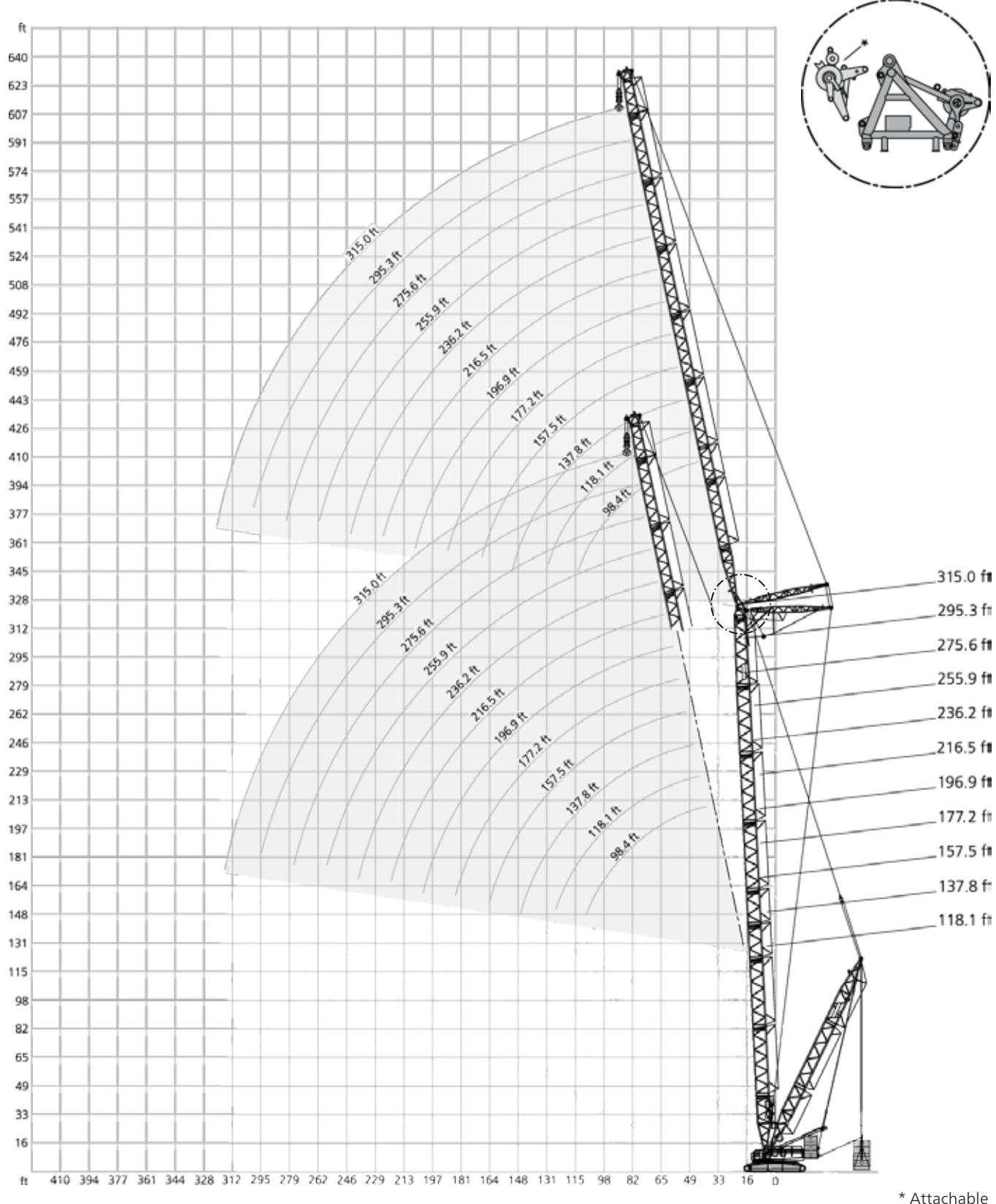
	452,000 lb +		110,200 lb		27.6 ft		32.2 ft/s	360°	75%	
	216.5 ft									
		255.9 ft		275.6 ft		295.3 ft		315.0 ft		
					SW_1					
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°
ft		1,000 lb								
82.0	127.9	-	-	-	-	-	-	-	-	-
85.3	126.8	-	-	110.2	-	-	-	-	-	-
91.9	125.7	-	-	110.0	-	-	95.0	-	-	-
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									
137.8 ft 157.5 ft									
SW_1									
87°/85° 75° 65° 87°/85° 75° 65°									
ft	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	-	-	-	-

	236.2 ft		177.2 ft		196.9 ft		216.5 ft		SW_1
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°									
ft	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	-



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				118.1 ft + 196.9 ft	SWSL_1		SFSL_1
ft	1,000 lb	0 lb	0 lb -716,600 lb	ft	1,000 lb	0 lb	0 lb -716,600 lb
78.7	-	765.0	-	128.0	306.4	-	-
82.0	-	740.8	-	137.8	306.4	-	-
85.3	-	714.3	-	141.1	306.4	-	313.1
91.9	-	663.6	-	150.9	306.4	-	307.8
98.4	-	617.3	-	164.0	288.8	-	299.8
108.3	-	524.7	546.7	173.9	264.0	264.6	293.2
111.5	-	493.8	529.1	177.2	255.7	264.6	291.0
114.8	-	451.9	513.1	190.3	224.9	264.6	266.0
124.7	-	-	465.2	203.4	198.4	242.5	241.0
134.5	-	-	427.7	216.5	174.2	218.3	216.1
137.8	-	-	-	219.8	167.6	212.5	203.9
150.9	-	-	381.4	226.4	154.3	200.9	199.0
164.0	-	-	383.6	229.7	-	195.1	192.9
177.2	-	-	343.9	242.8	-	170.9	179.7
187.0	-	-	327.8	246.1	-	164.2	176.9
		-	-	255.9	-	-	168.7
		-	-	265.7	-	-	160.9
		-	-	269.0	-	-	133.4
		-	-	282.2	-	-	115.8
		-	-	295.3	-	-	98.3
		-	-	298.6	-	-	93.7
118.1 ft + 118.1 ft				118.1 ft + 236.2 ft			
ft	1,000 lb	0 lb	0 lb -716,600 lb	ft	1,000 lb	0 lb	0 lb -716,600 lb
95.1	-	632.7	-	144.4	213.8	-	-
98.4	-	610.7	-	150.9	213.8	-	-
101.7	-	591.9	-	160.8	213.0	-	213.8
111.5	-	535.7	-	164.0	212.7	-	212.5
124.7	-	445.3	-	177.2	211.6	-	207.2
131.2	-	405.7	434.3	190.3	209.4	-	201.4
137.8	-	366.0	410.1	196.9	207.8	180.8	198.4
150.9	-	295.4	368.2	203.4	206.1	180.8	195.8
164.0	-	-	335.1	216.5	185.2	180.8	190.7
170.6	-	-	310.9	229.7	165.3	180.8	184.8
177.2	-	-	291.7	242.8	147.7	178.6	176.4
190.3	-	-	280.0	246.1	143.3	174.7	173.6
203.4	-	-	271.2	255.9	130.1	163.1	154.3
216.5	-	-	235.9	265.7	116.8	149.9	153.5
223.1	-	-	202.5	269.0	-	145.5	153.2
		-	-	282.2	-	129.0	143.3
		-	-	285.4	-	124.6	141.1
		-	-	295.3	-	-	134.5
		-	-	301.8	-	-	131.2
		-	-	308.4	-	-	109.9
		-	-	321.5	-	-	102.9
		-	-	334.6	-	-	88.7
		-	-	337.9	-	-	74.3
		-	-		-	-	70.5
118.1 ft + 157.5 ft				0 lb	143,300 lb	275,600 lb	363,800 lb
ft	1,000 lb	0 lb	0 lb -716,600 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
108.3	-	445.3	-	-	-	-	-
111.5	-	445.3	-	-	-	-	-
121.4	-	445.3	-	-	-	-	-
124.7	-	445.3	-	-	-	-	-
137.8	-	383.6	-	-	-	-	-
150.9	-	330.7	-	-	-	-	-
154.2	-	320.2	357.1	-	-	-	-
164.0	-	288.8	332.9	-	-	-	-
177.2	-	246.9	302.0	-	-	-	-
190.3	-	208.3	275.6	-	-	-	-
193.6	-	-	266.2	246.9	250.6	-	-
203.4	-	-	238.1	231.5	228.9	-	-
210.0	-	-	219.4	223.8	215.3	-	-
216.5	-	-	-	216.1	201.7	-	-
226.4	-	-	-	203.9	183.0	-	-
229.7	-	-	-	-	176.7	-	-
242.8	-	-	-	-	152.9	-	-
255.9	-	-	-	-	130.1	-	-
262.5	-	-	-	-	117.9	-	-

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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	
		118.1 ft + 275.6 ft			
		SWSL_1		SFSL_1	
ft		0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°
		55°		15°	
160.8	-	-	146.6	-	-
164.0	-	-	146.6	-	-
177.2	-	-	145.5	-	-
180.4	-	-	145.2	-	145.5
190.3	-	-	144.4	-	142.9
203.4	-	-	143.3	-	139.3
216.5	-	-	141.1	-	135.6
219.8	-	-	140.8	121.3	134.5
229.7	-	-	140.0	121.3	131.2
242.8	-	-	138.9	121.3	127.1
255.9	-	-	136.7	121.3	123.5
269.0	-	-	123.5	121.3	120.5
275.6	-	-	116.8	121.3	104.9
282.2	-	-	110.2	121.3	104.9
295.3	-	-	97.9	121.3	104.9
305.1	-	-	87.5	113.0	104.9
308.4	-	-	-	110.2	104.9
321.5	-	-	-	97.9	104.9
324.8	-	-	-	94.4	104.9
334.6	-	-	-	-	88.8
341.2	-	-	-	-	102.1
347.8	-	-	-	-	83.0
360.9	-	-	-	-	77.2
374.0	-	-	-	-	65.5
377.3	-	-	-	-	53.6
					50.3

		118.1 ft + 315.0 ft			
ft		1,000 lb			
177.2	-	-	102.5	-	-
190.3	-	-	101.6	-	-
200.1	-	-	101.0	-	101.6
203.4	-	-	100.8	-	100.9
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	-	-	93.0	83.6	81.1
301.8	-	-	92.6	83.6	70.1
308.4	-	-	92.2	83.6	70.1
321.5	-	-	83.6	83.6	70.1
334.6	-	-	73.6	83.6	70.1
341.2	-	-	68.1	83.6	73.7
347.8	-	-	-	83.6	70.1
360.9	-	-	-	74.1	70.1
374.0	-	-	-	-	66.6
380.6	-	-	-	-	61.7
387.1	-	-	-	-	56.9
400.3	-	-	-	-	46.9
413.4	-	-	-	-	36.6
		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 85°

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

		27.6 ft		32.2 ft/s		360°	75%
		137.8 ft + 78.7 ft					
		SWSL_1		SFSL_1			
ft		0 lb		0 lb -716,600 lb			
		87°/85°	87°/85°	75°	65°	55°	15°
36.1	-	-	765.0	-	-	-	-
39.4	513.7	-	765.0	-	-	-	-
45.9	445.3	-	765.0*	-	-	-	-
52.5	390.2	-	765.0*	-	-	-	765.0
59.1	348.3	-	765.0*	-	-	-	765.0
65.6	315.3	-	765.0*	-	-	-	765.0
72.2	286.6	-	729.7*	-	-	-	765.0
78.7	253.5	-	641.5*	-	-	-	765.0
82.0	241.4	-	596.4*	734.1	-	-	736.3
85.3	229.3	-	551.2*	707.7	-	-	707.7
88.6	217.2	-	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 + 118.1 ft			
ft		1,000 lb			
45.9	410.1	639.3	-	-	-
52.5	361.6	630.5	-	-	-
59.1	324.1	648.2*	-	-	-
65.6	291.0	639.3*	-	-	-
68.9	278.9	633.8*	-	-	628.3
72.2	266.8	628.3*	-	-	623.9
78.7	244.7	617.3*	-	-	621.7
85.3	224.9	588.6*	-	-	617.3
91.9	203.9	533.5*	-	-	615.1
98.4	185.2	478.4*	604.1	-	608.5
111.5	156.5	388.0*	531.3	-	533.5
124.7	135.6	313.1*	471.8	-	468.1
128.0	131.2	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
180.4	-	-	-	297.6	288.8
190.3	-	-	-	-	271.2
200.1	-	-	-	-	255.7
203.4	-	-	-	-	229.6
216.5	-	-	-	-	206.1
229.7	-	-	-	-	178.2
239.5	-	-	-	-	163.1

		363,800 lb + 110,200 lb		36.1-62.3 ft	
		137.8 ft + 157.5 ft			
		SWSL_1		SFSL_1	
		0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°
		55°	55°	15°	15°
		ft		1,000 lb	
55.8	317.5	447.5	-	-	-
59.1	299.8	447.5	-	-	-
65.6	271.2	451.9*	-	-	-
72.2	246.9	451.9*	-	-	-
78.7	227.1	449.7*	-	-	-
82.0	218.3	447.5*	-	-	443.1
85.3	209.4	445.3*	-	-	443.1
91.9	194.0	443.1*	-	-	443.1
98.4	180.8	436.5*	-	-	443.1
111.5	154.3	416.7*	-	-	436.5
114.8	148.8	400.1*	421.1	-	436.5
124.7	132.3	350.5*	421.1	-	429.9
137.8	115.7	297.6*	414.5	-	416.7
150.9	101.9	253.5*	352.7	-	372.6
164.0	90.6	213.8*	302.0	328.5	-
167.3	88.2	203.4*	291.6	321.9	-
170.6	83.3*	192.9*	281.1	314.5	-
177.2	-	-	260.1	299.8	-
190.3	-	-	220.5	275.6	-
193.6	-	-	210.5	270.6	-
203.4	-	-	-	255.7	-
206.7	-	-	-	246.9	242.5
216.5	-	-	-	220.5	229.3
229.7	-	-	-	-	213.8
239.5	-	-	-	-	199.2
242.8	-	-	-	-	181.0
255.9	-	-	-	-	176.8
269.0	-	-	-	-	158.7
278.9	-	-	-	-	138.2
					126.8

		27.6 ft		32.2 ft/s		360°	75%
		137.8 ft + 236.2 ft					
		SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°			
		75°		65°			
		55°		15°			
		ft		1,000 lb			
55.8	317.5	216.1	231.5	-	-	-	-
59.1	299.8	198.4	229.3	-	-	-	-
65.6	271.2	183.0	229.3*	-	-	-	-
72.2	246.9	169.8	227.1*	-	-	-	-
78.7	227.1	157.6	227.1*	-	-	-	-
82.0	218.3	136.7	224.9*	-	-	-	224.9
85.3	209.4	120.2	220.5*	-	-	-	221.2
91.9	194.0	107.4	217.2*	-	-	-	218.3
98.4	180.8	98.8	213.8*	203.9	-	-	215.0
111.5	154.3	95.9	212.7*	203.9	-	-	213.8
114.8	148.8	84.7	208.3*	203.9	-	-	208.7
124.7	132.3	75.0	203.9*	203.9	-	-	202.8
137.8	115.7	66.8	187.4*	203.9	-	-	197.7
150.9	101.9	59.7	166.4*	202.8	-	-	191.4
164.0	90.6	58.2	161.5*	200.1	172.0	-	190.1
167.3	88.2	53.6	146.6*	191.8	172.0	-	186.3
170.6	83.3*	48.1	129.0*	170.9	172.0	-	181.1
177.2	-	43.2	110.2*	152.1	172.0	-	176.0
190.3	-	39.9*	105.8*	147.7	172.0	-	174.7
193.6	-	-	-	134.5	172.0	-	170.9
203.4	-	-	-	130.1	167.8	145.5	169.8
206.7	-	-	-	116.8	155.4	145.5	161.2
216.5	-	-	-	111.3	151.0	145.5	158.3
229.7	-	-	-	-	137.8	145.5	147.7
239.5	-	-	-	-	124.6	144.7	136.1
242.8	-	-	-	-	144.4	-	132.3
255.9	-	-	-	-	135.6	-	121.3
269.0	-	-	-	-	129.0	-	115.7
278.9	-	-	-	-	-	-	108.8
							96.3
							84.6
							78.7

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 85°

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

		1,000 lb	
		137.8 ft + 196.9 ft	
		ft	1,000 lb
65.6	253.5	319.7	-
72.2	231.5	317.5	-
78.7	212.7	319.7*	-
85.3	196.2	319.7*	-
91.9	181.9	317.5*	-
98.4	168.7	317.5*	-
111.5	147.7	313.1*	-
124.7	130.1	306.4*	-
131.2	121.3	304.2*	293.2
137.8	112.4	302.0*	293.2
150.9	99.2	266.8*	291.0
164.0	87.7	231.5*	291.0
177.2	78.3	202.8*	271.2
183.7	74.2	189.6*	253.5
190.3	70.1	176.4*	235.9
203.4	63.3	149.9*	208.3
210.0	58.2*	135.6*	195.1
216.5	-	-	181.9
229.7	-	-	156.5
232.9	-	-	149.9
242.8	-	-	185.2
255.9	-	-	159.8
269.0	-	-	170.9
275.6	-	-	165.3
282.2	-	-	139.6
295.3	-	-	123.5
308.4	-	-	109.0
318.2	-	-	98.8

		363,800 lb +		110,200 lb		→ 36.1-62.3 ft				27.6 ft		32.2 ft/s		360°	75%		
		137.8 ft +		275.6 ft						137.8 ft +		315.0 ft					
		SWSL_1		SFSL_1						SWSL_1		SFSL_1					
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb					
		87°/85°	87°/85°	75°	65°	55°	15°			87°/85°	87°/85°	75°	65°	55°	15°		
		ft		1,000 lb						ft		1,000 lb					
82.0	162.0	165.3	-	-	-	-	-	91.9	116.8	120.2	-	-	-	-	-		
85.3	162.0	164.2	-	-	-	-	-	98.4	115.7	119.0	-	-	-	-	-		
91.9	157.6	163.1	-	-	-	-	-	111.5	113.5	115.7*	-	-	-	-	-		
98.4	145.5	162.0*	-	-	-	-	-	124.7	102.3	113.5*	-	-	-	-	-		
111.5	126.8	159.8*	-	-	-	-	-	131.2	96.0	112.4*	-	-	-	-	112.4		
118.1	119.0	158.2*	-	-	-	-	157.6	137.8	89.7	111.3*	-	-	-	-	111.3		
124.7	111.3	156.5*	-	-	-	-	156.5	150.9	78.9	110.0*	-	-	-	-	109.7		
137.8	98.3	154.3*	-	-	-	-	154.3	164.0	69.9	107.8*	-	-	-	-	107.3		
150.9	87.1	151.0*	-	-	-	-	151.4	177.2	61.9	105.4*	-	-	-	-	104.5		
164.0	77.6	148.8*	141.1	-	-	-	148.1	180.4	60.2	104.8*	98.5	-	-	-	103.8		
177.2	69.4	145.5*	141.1	-	-	-	144.4	190.3	54.9	103.2*	98.1	-	-	-	101.7		
190.3	62.4	142.2*	140.0	-	-	-	140.0	203.4	48.7	101.2*	97.7	-	-	-	98.8		
203.4	56.0	140.0*	138.9	-	-	-	136.0	216.5	43.2	99.0*	96.8	-	-	-	95.9		
216.5	49.8	137.8*	137.8	-	-	-	132.3	229.7	38.4	96.8*	95.9	-	-	-	93.0		
229.7	44.1	135.6*	136.7	115.7	-	-	128.6	242.8	34.0	95.0*	95.0	-	-	-	90.1		
242.8	39.0	122.4*	136.7	115.7	-	-	125.1	252.6	31.0	93.7*	94.2	79.4	-	-	88.0		
255.9	34.4	109.3*	135.6	115.7	-	-	121.3	255.9	30.0	93.3*	93.9	79.4	-	-	87.3		
269.0	30.4	96.1*	127.9	115.7	-	-	118.3	269.0	26.2	91.5*	93.0	79.4	-	-	84.7		
278.9	27.8	85.9*	117.9	115.7	-	-	115.2	282.2	22.5	89.5*	92.2	79.4	-	-	82.0		
282.2	25.1*	82.5*	114.6	115.7	-	-	114.3	295.3	19.4	80.9*	91.5	79.4	-	-	79.4		
285.4	24.3*	78.7*	111.4	115.7	99.2	113.5	308.4	16.3	70.8*	90.8	79.4	-	-	-	77.0		
295.3	-	-	101.6	115.7	99.2	111.3	315.0	15.0	65.4*	88.3	79.4	65.7	75.8	-	-		
308.4	-	-	88.2	115.7	99.2	109.1	318.2	14.3	62.7*	87.0	79.4	65.7	75.3	-	-		
321.5	-	-	-	105.2	99.2	106.8	321.5	11.9*	60.0*	85.8	79.4	65.7	74.7	-	-		
331.4	-	-	-	95.2	99.2	104.9	334.6	-	-	75.8	79.4	65.7	72.5	-	-		
334.6	-	-	-	-	99.2	104.3	347.8	-	-	65.3	79.4	65.7	70.8	-	-		
347.8	-	-	-	-	99.2	95.2	360.9	-	-	-	79.1	65.7	69.1	-	-		
351.1	-	-	-	-	99.2	92.4	370.7	-	-	-	71.4	65.7	67.9	-	-		
360.9	-	-	-	-	-	83.8	374.0	-	-	-	-	65.7	67.5	-	-		
374.0	-	-	-	-	-	75.6	387.1	-	-	-	-	65.7	66.3	-	-		
387.1	-	-	-	-	-	64.4	390.4	-	-	-	-	65.7	66.0	-	-		
393.7	-	-	-	-	-	58.9	400.3	-	-	-	-	-	62.6	-	-		
		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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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	
		157.5 ft + 78.7 ft			
		SWSL_1		SFSL_1	
ft		0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°
39.4	489.4	765.0	-	-	-
45.9	425.5	765.0*	-	-	-
52.5	374.8	765.0*	-	-	765.0
59.1	335.1	765.0*	-	-	765.0
65.6	304.2	756.2*	-	-	765.0
72.2	277.8	723.1*	-	-	765.0
78.7	253.5	663.6*	-	-	760.6
85.3	227.1	577.6*	-	-	703.3
88.6	216.6	535.7*	672.4	-	675.7
91.9	206.1	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	-
137.8	-	-	-	410.1	-
150.9	-	-	-	368.2	-
160.8	-	-	-	-	330.7
164.0	-	-	-	-	321.9
173.9	-	-	-	-	302.0
177.2	-	-	-	-	288.8
190.3	-	-	-	-	253.5
203.4	-	-	-	-	218.3
216.5	-	-	-	-	191.8
219.8	-	-	-	-	183.0

		27.6 ft		32.2 ft/s		360°	75%
		157.5 ft + 157.5 ft					
		SWSL_1		SFSL_1			
ft		0 lb	0 lb -716,600 lb				
		87°/85°	87°/85°	75°	65°	55°	15°
55.8	304.2	416.7	-	-	-	-	-
59.1	288.8	414.5	-	-	-	-	-
65.6	262.4	421.1*	-	-	-	-	-
72.2	238.1	421.1*	-	-	-	-	-
78.7	220.5	416.7*	-	-	-	-	407.9
85.3	202.8	414.5*	-	-	-	-	407.9
91.9	188.5	410.1*	-	-	-	-	407.9
98.4	175.3	405.7*	-	-	-	-	407.9
111.5	153.2	394.6*	-	-	-	-	403.4
121.4	136.7	368.2*	390.2	-	-	-	400.1
124.7	131.2	359.4*	390.2	-	-	-	399.0
137.8	114.6	306.4*	388.0	-	-	-	394.6
150.9	101.0	260.1*	372.6	-	-	-	362.3
164.0	89.9	220.5*	321.9	-	-	-	329.2
167.3	87.5	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

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 85°

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

		157.5 ft + 118.1 ft	
ft		1,000 lb	
45.9	392.4	582.0	-
52.5	348.3	575.4	-
59.1	310.9	593.0*	-
65.6	282.2	586.4*	-
72.2	257.9	577.6*	-
78.7	235.9	568.8*	-
85.3	218.3	551.2*	-
91.9	202.8	535.7*	-
98.4	185.2	496.0*	-
105.0	170.9	448.6*	560.0
111.5	156.5	401.2*	524.7
124.7	135.6	326.3*	467.4
128.0	130.1	307.9*	455.8
134.5	117.9*	271.2*	432.7
137.8	-	421.1	-
150.9	-	348.3	363.8
160.8	-	295.4	337.3
164.0	-	-	328.5
177.2	-	-	299.8
187.0	-	-	282.2
190.3	-	-	266.8
203.4	-	-	244.7
213.3	-	-	233.7
216.5	-	-	219.4
229.7	-	-	192.2
242.8	-	-	170.6
255.9	-	-	147.7
259.2	-	-	142.2

		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft	32.2 ft/s	360°	75%
		157.5 ft +		196.9 ft				157.5 ft +	236.2 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb	-716,600 lb			0 lb	0 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
65.6	244.7	302.0	-	-	-	-	-	199.5	219.4	-	-
72.2	222.7	299.8	-	-	-	-	-	191.8	219.4	-	-
78.7	205.0	302.0*	-	-	-	-	-	176.4	218.3	-	-
85.3	189.6	302.0*	-	-	-	-	-	164.2	218.3*	-	-
91.9	176.4	302.0*	-	-	-	-	-	152.1	218.3*	-	-
95.1	169.8	300.9*	-	-	-	-	297.6	137.2	216.6*	-	-
98.4	163.1	299.8*	-	-	-	-	297.6	132.3	216.1*	-	-
111.5	143.3	295.4*	-	-	-	-	296.2	116.8	212.7*	-	-
124.7	126.8	291.0*	-	-	-	-	293.9	103.8	209.4*	-	-
137.8	112.4	284.4*	273.4	-	-	-	291.0	150.9	92.8	205.0*	-
150.9	98.5	271.2*	273.4	-	-	-	282.9	154.2	90.4	203.9*	192.9
164.0	87.1	235.9*	273.4	-	-	-	276.3	164.0	83.1	200.6*	192.9
177.2	77.6	206.1*	273.4	-	-	-	269.0	177.2	74.3	197.3*	192.9
190.3	69.4	179.7*	249.1	-	-	-	261.6	190.3	66.1	190.7*	192.9
193.6	67.8	173.3*	241.7	233.7	-	-	259.8	203.4	59.3	169.8*	192.9
203.4	62.8	154.3*	219.4	233.7	-	-	246.9	213.3	54.7	154.9*	192.9
210.0	57.1*	140.0*	205.6	231.5	-	-	235.9	216.5	53.1	149.9*	192.9
216.5	-	-	191.8	229.3	-	-	224.9	229.7	47.4	132.3*	179.7
229.7	-	-	167.6	212.7	-	-	208.0	242.8	42.5	114.6*	159.8
239.5	-	-	146.6	202.8	-	-	195.7	249.3	37.9*	104.7*	151.0
242.8	-	-	-	199.5	189.6	191.8	-	255.9	-	142.2	159.8
255.9	-	-	-	176.4	177.5	177.5	-	269.0	-	124.6	159.8
262.5	-	-	-	163.1	172.5	170.1	-	275.6	-	115.7	156.2
269.0	-	-	-	-	167.6	162.8	-	282.2	-	-	148.8
282.2	-	-	-	-	157.6	147.0	-	295.3	-	-	132.3
288.7	-	-	-	-	-	153.2	138.5	301.8	-	-	123.5
295.3	-	-	-	-	-	-	130.1	308.4	-	-	137.8
308.4	-	-	-	-	-	-	117.2	321.5	-	-	129.0
321.5	-	-	-	-	-	-	103.6	324.8	-	-	127.9
334.6	-	-	-	-	-	-	-	334.6	-	-	104.3
							92.4	347.8	-	-	92.2
								360.9	-	-	79.6
								370.7	-	-	73.9
		0 lb	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		275.6 ft				157.5 ft +	315.0 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb	-716,600 lb			0 lb	0 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft	1,000 lb					ft	1,000 lb		
82.0	155.4	158.7	-	-	-	-	-	91.9	112.4	114.6	-
85.3	155.4	157.6	-	-	-	-	-	98.4	111.3	113.5	-
91.9	152.1	156.5	-	-	-	-	-	111.5	109.8	111.3*	-
98.4	141.1	155.4*	-	-	-	-	-	124.7	98.5	110.2*	-
111.5	122.4	154.3*	-	-	-	-	-	134.5	89.5	108.9*	-
121.4	111.3	152.7*	-	-	-	151.0	-	137.8	86.4	108.5*	-
124.7	107.6	152.1*	-	-	-	150.6	-	150.9	76.1	106.5*	-
137.8	95.0	148.8*	-	-	-	148.8	-	164.0	67.2	104.5*	-
150.9	84.2	146.6*	-	-	-	145.9	-	177.2	59.5	102.5*	-
164.0	75.0	144.4*	-	-	-	142.9	-	187.0	54.4	101.0*	94.1
170.6	71.0	142.7*	134.5	-	-	141.5	-	190.3	52.7	100.5*	94.1
177.2	67.0	141.1*	134.5	-	-	140.0	-	203.4	46.7	98.5*	93.9
190.3	60.0	138.9*	134.5	-	-	136.3	-	216.5	41.4	96.6*	93.5
203.4	53.8	136.7*	134.5	-	-	132.6	-	229.7	36.6	94.6*	92.8
216.5	48.3	134.5*	133.4	-	-	129.0	-	242.8	32.2	92.8*	92.2
229.7	43.4	132.3*	133.4	-	-	126.0	-	255.9	28.4	91.1*	91.3
236.2	40.9	129.0*	132.8	110.2	-	124.6	-	259.2	27.6	90.7*	91.2
242.8	38.4	125.7*	132.3	110.2	-	122.4	-	269.0	24.9	89.5*	90.6
255.9	34.0	111.3*	132.3	110.2	-	119.0	-	282.2	21.6	87.7*	89.9
269.0	30.0	99.0*	131.2	110.2	-	115.4	-	295.3	18.7	83.1*	89.5
282.2	26.5	85.5*	120.2	110.2	-	112.3	-	308.4	15.9	73.0*	88.8
285.4	23.4*	81.8*	117.0	110.2	-	111.7	-	318.2	13.9	65.3*	88.5
295.3	-	-	107.6	110.2	-	109.8	-	321.5	11.2*	62.6*	88.4
298.6	-	-	104.4	110.2	93.9	108.9	-	324.8	10.6*	59.5*	86.4
308.4	-	-	94.6	110.2	93.9	106.9	-	334.6	-	-	80.5
315.0	-	-	87.3	110.2	93.9	105.6	-	347.8	-	-	70.3
321.5	-	-	-	110.2	93.9	104.3	-	351.1	-	-	67.7
334.6	-	-	-	101.2	93.9	101.6	-	360.9	-	-	-
341.2	-	-	-	94.4	93.9	98.8	-	374.0	-	-	-
347.8	-	-	-	-	93.9	96.3	-	377.3	-	-	-
360.9	-	-	-	-	93.9	88.8	-	387.1	-	-	-
364.2	-	-	-	-	93.9	87.0	-	400.3	-	-	-
374.0	-	-	-	-	-	81.4	-	403.5	-	-	-
387.1	-	-	-	-	-	70.5	-	413.4	-	-	-
400.3	-	-	-	-	-	60.1	-	426.5	-	-	-
410.1	-	-	-	-	-	55.3	-	439.6	-	-	-
		0 lb	143,300 lb	275,600 lb	363,800 lb			449.5	-	-	-
		452,000 lb	540,200 lb	628,400 lb	716,600 lb						38.4

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		78.7 ft				177.2 ft +	118.1 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb -716,600 lb				0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft		1,000 lb				ft		1,000 lb	
39.4	467.4	731.9	-	-	-	-	-	49.2	352.7	524.7	-
45.9	407.9	712.1	-	-	-	-	-	52.5	332.9	522.5	-
52.5	361.6	743.0*	-	-	-	-	-	59.1	299.8	537.9*	-
55.8	341.7	734.1*	-	-	-	-	-	65.6	271.2	531.3*	-
59.1	324.1	725.3*	-	-	-	-	-	68.9	260.1	526.9*	-
65.6	293.2	696.7*	-	-	-	-	-	72.2	249.1	522.5*	-
72.2	266.8	670.2*	-	-	-	-	-	78.7	229.3	513.7*	-
78.7	246.9	632.7*	-	-	-	-	-	85.3	211.6	502.7*	-
85.3	227.1	604.1*	-	-	-	-	-	91.9	196.2	489.4*	-
91.9	205.0	520.3*	-	-	-	-	-	98.4	184.1	474.0*	-
95.1	190.7*	478.4*	617.3	-	-	-	-	108.3	163.4	431.0*	511.5
98.4	181.9*	436.5*	597.5	-	-	-	-	111.5	156.5	416.7*	511.5
111.5	-	-	524.7	-	-	-	-	124.7	134.5	339.5*	463.0
124.7	-	-	467.4	-	-	-	-	131.2	125.7	300.9*	439.8
128.0	-	-	456.4	-	-	-	-	137.8	113.5*	262.4*	416.7
137.8	-	-	-	403.4	-	-	-	150.9	-	-	374.8
150.9	-	-	-	-	361.6	-	-	157.5	-	-	341.7
157.5	-	-	-	-	343.9	-	-	164.0	-	-	308.6
164.0	-	-	-	-	-	320.4	-	167.3	-	-	291.0
173.9	-	-	-	-	-	295.4	295.1	177.2	-	-	295.4
177.2	-	-	-	-	-	288.8	286.6	190.3	-	-	271.2
183.7	-	-	-	-	-	275.6	273.4	196.9	-	-	262.4
190.3	-	-	-	-	-	-	260.1	200.1	-	-	244.7
203.4	-	-	-	-	-	-	233.3	203.4	-	-	240.3
216.5	-	-	-	-	-	-	206.1	216.5	-	-	222.7
229.7	-	-	-	-	-	-	179.1	223.1	-	-	216.1
236.2	-	-	-	-	-	-	168.7	229.7	-	-	210.5
		0 lb	143,300 lb	275,600 lb	363,800 lb			242.8	-	-	201.7
		452,000 lb	540,200 lb	628,400 lb	716,600 lb			255.9	-	-	182.2
								269.0	-	-	158.7
								275.6	-	-	139.6
									-	-	131.2

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +	157.5 ft		177.2 ft +	196.9 ft		
		SWSL_1			SFSL_1			
		0 lb	0 lb	0 lb -716,600 lb	0 lb	0 lb -716,600 lb		
ft		87°/85°	87°/85°	75°	65°	55°	15°	1,000 lb
55.8	293.2	383.6	-	-	-	-	-	
59.1	277.8	381.4	-	-	-	-	-	
65.6	253.5	377.0	-	-	-	-	-	
72.2	231.5	385.8*	-	-	-	-	-	
78.7	212.7	383.6*	-	-	-	-	-	
82.0	204.5	381.4*	-	-	-	374.8	-	
85.3	196.2	379.2*	-	-	-	374.8	-	
91.9	183.0	377.0*	-	-	-	374.8	-	
98.4	169.8	370.4*	-	-	-	374.8	-	
111.5	148.8	359.4*	-	-	-	372.6	-	
124.7	131.2	348.3*	361.6	-	-	368.9	-	
137.8	114.6	315.3*	359.4	-	-	366.0	-	
150.9	101.2	269.0*	359.4	-	-	350.5	-	
164.0	89.9	229.3*	335.1	-	-	327.0	-	
167.3	87.5	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	-	-	-	-	-	-	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		236.2 ft		177.2 ft +		275.6 ft	SWSL_1		SFSL_1
		0 lb		0 lb -716,600 lb		0 lb		0 lb	SWSL_1		SFSL_1
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
75.5	192.9	207.2	-	-	-	-	-	-	-	-	-
78.7	185.2	207.2	-	-	-	-	-	-	-	-	-
85.3	170.9	206.1	-	-	-	-	-	-	-	-	-
91.9	157.6	206.1*	-	-	-	-	-	-	-	-	-
98.4	146.6	206.1*	-	-	-	-	-	-	-	-	-
108.3	132.6	204.5*	-	-	-	202.8	-	-	-	-	-
111.5	127.9	203.9*	-	-	-	202.8	-	-	-	-	-
124.7	112.4	201.7*	-	-	-	202.1	-	-	-	-	-
137.8	100.5	198.4*	-	-	-	200.6	-	-	-	-	-
150.9	89.7	195.1*	-	-	-	196.9	-	-	-	-	-
157.5	85.1	193.5*	181.9	-	-	195.1	-	-	-	-	-
164.0	80.5	191.8*	181.9	-	-	192.9	-	-	-	-	-
177.2	72.3	187.4*	181.9	-	-	188.5	-	-	-	-	-
190.3	65.5	184.1*	181.9	-	-	184.1	-	-	-	-	-
203.4	58.6	173.1*	181.9	-	-	178.6	-	-	-	-	-
216.5	52.5	153.2*	181.9	-	-	174.2	-	-	-	-	-
223.1	49.6	144.4*	181.9	151.0	-	172.0	-	-	-	-	-
229.7	46.7	135.6*	181.9	151.0	-	169.8	-	-	-	-	-
242.8	42.1	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		315.0 ft						196.9 ft +		78.7 ft								
		SWSL_1		SFSL_1						SWSL_1		SFSL_1								
ft	0 lb	0 lb	0 lb -716,600 lb			ft	0 lb	0 lb -716,600 lb		ft	0 lb	0 lb -716,600 lb		ft	0 lb					
	87°/85°	87°/85°	75°	65°	55°		87°/85°	87°/85°	75°	65°	55°	15°		87°/85°	87°/85°	75°	65°	55°	15°	
	1,000 lb						1,000 lb								1,000 lb					
91.9	108.0	110.2	-	-	-		39.4	-	659.2	-	-	-	-	39.4	-	659.2	-	-	-	
98.4	107.1	109.3	-	-	-		42.7	416.7	652.6	-	-	-	-	42.7	416.7	652.6	-	-	-	
111.5	105.2	107.6*	-	-	-		45.9	390.2	643.8	-	-	-	-	45.9	390.2	643.8	-	-	-	
124.7	94.8	106.0*	-	-	-		52.5	346.1	670.2*	-	-	-	-	52.5	346.1	670.2*	-	-	-	
134.5	85.9	104.7*	-	-	-		55.8	328.5	663.6*	-	-	-	-	55.8	328.5	663.6*	-	-	643.8	
137.8	82.9	104.3*	-	-	-		59.1	310.9	654.8*	-	-	-	-	59.1	310.9	654.8*	-	-	643.8	
150.9	73.0	102.5*	-	-	-		65.6	282.2	637.1*	-	-	-	-	65.6	282.2	637.1*	-	-	643.8	
164.0	64.4	100.8*	-	-	-		72.2	257.9	617.3*	-	-	-	-	72.2	257.9	617.3*	-	-	639.3	
177.2	56.9	99.0*	-	-	-		78.7	238.1	586.4*	-	-	-	-	78.7	238.1	586.4*	-	-	630.5	
190.3	50.3	97.0*	89.7	-	-		85.3	220.5	562.2*	-	-	-	-	85.3	220.5	562.2*	-	-	626.1	
203.4	44.5	95.2*	89.7	-	-		91.9	205.0	533.5*	-	-	-	-	91.9	205.0	533.5*	-	-	619.5	
216.5	39.2	93.3*	89.7	-	-		98.4	180.8*	449.7*	590.8	-	-	-	98.4	180.8*	449.7*	590.8	-	593.0	
229.7	34.6	91.5*	89.5	-	-		111.5	-	-	518.1	-	-	-	111.5	-	-	518.1	-	516.6	
242.8	30.4	89.7*	89.1	-	-		124.7	-	-	463.0	-	-	-	124.7	-	-	463.0	-	451.9	
255.9	26.7	88.2*	88.4	-	-		134.5	-	-	427.7	-	-	-	134.5	-	-	427.7	-	412.3	
269.0	23.4	86.6*	88.0	71.0	-	80.6	137.8	-	-	-	-	-	-	137.8	-	-	-	-	399.0	
282.2	20.1	85.1*	87.5	71.0	-	78.3	144.4	-	-	-	374.8	-	-	144.4	-	-	374.8	-	377.0	
295.3	17.4	83.3*	86.9	71.0	-	75.8	150.9	-	-	-	357.1	-	-	150.9	-	-	357.1	-	354.9	
308.4	14.8	75.0*	86.6	71.0	-	73.6	164.0	-	-	-	324.1	-	-	164.0	-	-	324.1	-	316.0	
321.5	12.6	64.6*	86.2	71.0	-	71.4	167.3	-	-	-	315.3	-	-	167.3	-	-	315.3	-	307.5	
324.8	9.3*	61.9*	85.9	71.0	-	70.9	177.2	-	-	-	-	-	-	177.2	-	-	-	-	282.2	
334.6	-	-	84.9	71.0	-	69.2	183.7	-	-	-	269.0	-	-	183.7	-	-	269.0	-	269.7	
337.9	-	-	82.4	71.0	58.0	68.7	190.3	-	-	-	257.9	-	-	190.3	-	-	257.9	-	257.2	
347.8	-	-	75.0	71.0	58.0	67.3	196.9	-	-	-	249.1	-	-	196.9	-	-	249.1	-	244.7	
357.6	-	-	67.0	71.0	58.0	65.9	203.4	-	-	-	-	-	-	203.4	-	-	-	-	233.7	
360.9	-	-	-	71.0	58.0	65.5	216.5	-	-	-	-	-	-	216.5	-	-	-	-	212.7	
374.0	-	-	-	71.0	58.0	63.9	229.7	-	-	-	-	-	-	229.7	-	-	-	-	190.7	
387.1	-	-	-	71.0	58.0	62.3	242.8	-	-	-	-	-	-	242.8	-	-	-	-	166.4	
400.3	-	-	-	-	58.0	60.8	252.6	-	-	-	-	-	-	252.6	-	-	-	-	153.2	
413.4	-	-	-	-	-	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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%
		196.9 ft +		118.1 ft				196.9 ft +	157.5 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb	-716,600 lb			0 lb	0 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
49.2	339.5	478.4	-	-	-	-	-	266.8	352.7	-	-
52.5	319.7	476.2	-	-	-	-	-	242.5	348.3	-	-
59.1	288.8	489.4*	-	-	-	-	-	222.7	357.1*	-	-
65.6	262.4	485.0*	-	-	-	-	-	205.0	354.9*	-	-
68.9	251.3	481.7*	-	-	-	467.4	-	197.3	352.7*	-	-
72.2	240.3	478.4*	-	-	-	467.4	-	189.6	350.5*	-	-
78.7	220.5	469.6*	-	-	-	467.4	-	176.4	348.3*	-	-
85.3	205.0	458.6*	-	-	-	467.4	-	164.2	343.9*	-	-
91.9	190.7	447.5*	-	-	-	467.4	-	144.4	332.9*	-	-
98.4	177.5	436.5*	-	-	-	465.2	-	124.7	321.9*	-	-
111.5	155.4	410.1*	-	-	-	458.6	-	120.7	315.3*	337.3	-
114.8	149.9	393.0*	467.4	-	-	458.6	-	113.5	308.6*	335.1	-
124.7	133.4	341.7*	456.4	-	-	440.2	-	100.3	269.0*	335.1	-
131.2	124.6	304.2*	433.2	-	-	421.8	-	89.1	229.3*	330.7	-
137.8	112.4*	266.8*	410.1	-	-	403.4	-	84.2	207.8*	316.4	-
150.9	-	-	370.4	-	-	359.4	-	76.1*	186.3*	302.0	-
164.0	-	-	330.7	-	-	320.4	-	187.0	-	273.9	266.8
167.3	-	-	312.0	310.9	-	312.0	-	190.3	-	264.6	260.1
170.6	-	-	293.2	302.0	-	303.5	-	203.4	-	224.9	240.3
177.2	-	-	-	288.8	-	286.6	-	210.0	-	205.0	231.5
190.3	-	-	-	266.8	-	260.1	-	216.5	-	222.7	-
203.4	-	-	-	246.9	-	236.6	-	229.7	-	208.3	-
213.3	-	-	-	-	220.5	221.2	-	239.5	-	198.4	186.3
216.5	-	-	-	-	-	216.1	216.1	242.8	-	195.1	183.0
229.7	-	-	-	-	-	201.7	197.9	255.9	-	-	172.0
232.9	-	-	-	-	-	-	193.7	269.0	-	-	162.0
242.8	-	-	-	-	-	-	-	272.3	-	-	159.8
255.9	-	-	-	-	-	-	-	282.2	-	-	-
269.0	-	-	-	-	-	-	-	295.3	-	-	-
282.2	-	-	-	-	-	-	-	308.4	-	-	-
292.0	-	-	-	-	-	-	-	321.5	-	-	-
						-	-	331.4	-	-	91.9

 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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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%
		196.9 ft +		196.9 ft				196.9 ft +	236.2 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb -716,600 lb				0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft	ft	1,000 lb		1,000 lb		ft	ft	ft	ft
65.6	227.1	262.4	-	-	-	-	-	75.5	185.2	195.1	-
72.2	207.2	260.1	-	-	-	-	-	78.7	177.5	195.1	-
78.7	190.7	257.9	-	-	-	-	-	85.3	164.2	194.0	-
85.3	176.4	262.4*	-	-	-	-	-	91.9	152.1	195.1*	-
91.9	164.2	262.4*	-	-	-	-	-	98.4	141.1	194.0*	-
98.4	153.2	260.1*	-	-	-	257.9	-	111.5	123.5	192.9*	-
111.5	133.4	255.7*	-	-	-	257.9	-	124.7	109.1	190.7*	-
124.7	117.9	251.3*	-	-	-	257.2	-	137.8	96.8	187.4*	-
137.8	105.8	244.7*	-	-	-	255.7	-	150.9	86.4	184.1*	-
147.6	97.6	239.8*	238.1	-	-	253.5	-	164.0	77.4	180.8*	172.0
150.9	94.8	238.1*	238.1	-	-	252.8	-	177.2	69.7	176.4*	172.0
164.0	85.5	231.5*	238.1	-	-	249.1	-	190.3	62.8	173.1*	172.0
177.2	76.7	211.6*	238.1	-	-	244.7	-	203.4	56.9	169.8*	172.0
190.3	68.8	184.1*	238.1	-	-	236.6	-	216.5	51.8	153.2*	172.0
203.4	61.9	157.6*	238.1	-	-	229.3	-	229.7	46.7	135.6*	172.0
206.7	60.4	151.0*	231.2	-	-	227.1	-	242.8	41.9	116.8*	172.0
210.0	55.5*	144.4*	224.3	206.1	-	224.9	-	246.1	40.8	112.1*	167.6
213.3	54.0*	137.8*	217.4	206.1	-	222.7	-	252.6	35.3*	102.7*	158.7
216.5	-	-	210.5	206.1	-	220.5	-	255.9	-	-	142.2
229.7	-	-	184.1	203.9	-	202.8	-	269.0	-	-	142.2
242.8	-	-	158.7	190.7	-	186.3	-	282.2	-	-	142.2
249.3	-	-	145.5	184.1	-	178.6	-	285.4	-	-	142.2
255.9	-	-	-	178.6	-	170.9	-	295.3	-	-	142.2
265.7	-	-	-	170.3	159.8	161.5	-	308.4	-	-	122.4
269.0	-	-	-	167.6	157.6	158.4	-	318.2	-	-	122.4
282.2	-	-	-	155.4	147.7	146.6	-	321.5	-	-	120.7
295.3	-	-	-	-	140.0	135.6	-	334.6	-	-	114.6
308.4	-	-	-	-	-	132.3	126.0	347.8	-	-	108.9
311.7	-	-	-	-	-	130.1	123.6	360.9	-	-	-
321.5	-	-	-	-	-	114.8	-	374.0	-	-	-
334.6	-	-	-	-	-	101.9	-	387.1	-	-	-
347.8	-	-	-	-	-	89.3	-	400.3	-	-	-
360.9	-	-	-	-	-	79.4	-	406.8	-	-	-
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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							
		196.9 ft +		275.6 ft				27.6 ft		32.2 ft/s		360°	
		SWSL_1		SFSL_1						SWSL_1		SFSL_1	
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb	
		87°/85°		87°/85°		75°		65°		55°		15°	
		ft		1,000 lb						1,000 lb			
85.3	140.0	143.3	-	-	-	-	-	-	-	-	-	-	-
91.9	138.9	142.2	-	-	-	-	-	-	-	-	-	-	-
98.4	130.1	141.1	-	-	-	-	-	-	-	-	-	-	-
111.5	113.5	140.0*	-	-	-	-	-	-	-	-	-	-	-
124.7	99.6	138.9*	-	-	-	-	137.8	-	-	-	-	-	-
137.8	88.0	136.7*	-	-	-	-	136.7	-	-	-	-	-	-
150.9	77.8	135.6*	-	-	-	-	135.2	-	-	-	-	-	-
164.0	69.2	133.4*	-	-	-	-	133.0	-	-	-	-	-	-
177.2	61.7	131.2*	-	-	-	-	130.1	-	-	-	-	-	-
180.4	60.1	130.6*	121.3	-	-	-	129.5	-	-	-	-	-	-
190.3	55.1	129.0*	121.3	-	-	-	127.9	-	-	-	-	-	-
203.4	49.4	125.7*	121.3	-	-	-	124.9	-	-	-	-	-	-
216.5	44.3	124.6*	121.3	-	-	-	121.3	-	-	-	-	-	-
229.7	39.7	122.4*	121.3	-	-	-	118.5	-	-	-	-	-	-
242.8	35.5	120.2*	121.3	-	-	-	115.4	-	-	-	-	-	-
252.6	32.7	115.2*	121.3	99.4	-	-	113.2	-	-	-	-	-	-
255.9	31.7	113.5*	121.3	99.4	-	-	112.4	-	-	-	-	-	-
269.0	28.4	100.1*	121.3	99.4	-	-	109.8	-	-	-	-	-	-
282.2	25.4	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +	78.7 ft		216.5 ft +	118.1 ft		
		SWSL_1			SFSL_1			
		0 lb	0 lb	-716,600 lb	0 lb	-716,600 lb		
ft		87°/85°	87°/85°	75°	65°	55°	15°	
		1,000 lb						
42.7	396.8	568.8	-	-	-	-	-	
45.9	372.6	562.2	-	-	-	-	-	
52.5	332.9	588.6*	-	-	-	-	-	
59.1	299.8	575.4*	-	-	-	562.2	-	
65.6	271.2	562.2*	-	-	-	562.2	-	
72.2	249.1	544.5*	-	-	-	562.2	-	
78.7	229.3	529.1*	-	-	-	555.6	-	
85.3	213.8	511.5*	-	-	-	555.6	-	
91.9	199.5	493.8*	-	-	-	551.2	-	
95.1	194.0	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +	157.5 ft		216.5 ft +	196.9 ft		
		SWSL_1			SFSL_1			
		0 lb	0 lb	0 lb -716,600 lb	0 lb	0 lb -716,600 lb		
ft		87°/85°	87°/85°	75°	65°	55°	15°	1,000 lb
59.1	257.9	315.3	-	-	-	-	-	
65.6	233.7	313.1	-	-	-	-	-	
72.2	215.0	319.7*	-	-	-	-	-	
78.7	198.4	317.5*	-	-	-	-	-	
85.3	183.0	315.3*	-	-	-	308.6	-	
91.9	170.9	310.9*	-	-	-	308.6	-	
98.4	158.7	306.4*	-	-	-	308.6	-	
111.5	140.0	297.6*	-	-	-	308.6	-	
124.7	124.6	286.6*	-	-	-	306.4	-	
134.5	114.6	278.3*	299.8	-	-	306.4	-	
137.8	111.3	275.6*	299.8	-	-	306.4	-	
150.9	100.5	264.6*	299.8	-	-	301.3	-	
164.0	89.3	235.9*	299.8	-	-	294.7	-	
170.6	84.4	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	-	-	-	-	-	-	295.3	
308.4	-	-	-	-	-	-	308.4	
321.5	-	-	-	-	-	-	347.8	
334.6	-	-	-	-	-	-	360.9	
347.8	-	-	-	-	-	-	374.0	
							383.9	
			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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		236.2 ft						216.5 ft +	275.6 ft					
		SWSL_1		SFSL_1						SWSL_1	SFSL_1					
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb				
		ft	87°/85°	87°/85°	75°	65°	55°	15°		ft	87°/85°	87°/85°	75°	65°	55°	15°
78.7	170.9	177.5	-	-	-	-	-	-	85.3	129.0	132.3	-	-	-	-	-
85.3	157.6	176.4	-	-	-	-	-	-	91.9	129.0	131.2	-	-	-	-	-
91.9	146.6	178.6*	-	-	-	-	-	-	98.4	125.7	130.1	-	-	-	-	-
98.4	136.7	177.5*	-	-	-	-	-	-	111.5	109.6	130.1*	-	-	-	-	-
111.5	119.0	176.4*	-	-	-	-	174.2	-	124.7	95.9	129.0*	-	-	-	127.9	-
124.7	105.4	174.2*	-	-	-	-	174.2	-	137.8	84.4	127.9*	-	-	-	126.8	-
137.8	93.5	170.9*	-	-	-	-	174.2	-	150.9	74.7	125.7*	-	-	-	126.0	-
150.9	83.3	167.6*	-	-	-	-	172.0	-	164.0	66.6	123.5*	-	-	-	124.6	-
164.0	74.7	164.2*	-	-	-	-	169.8	-	177.2	59.3	121.3*	-	-	-	122.4	-
167.3	72.9	163.4*	155.4	-	-	-	169.2	-	183.7	56.1	120.2*	111.3	-	-	121.3	-
177.2	67.2	160.9*	155.4	-	-	-	167.6	-	190.3	52.9	119.0*	111.3	-	-	120.2	-
190.3	60.6	157.6*	155.4	-	-	-	163.9	-	203.4	47.2	116.8*	111.3	-	-	117.6	-
203.4	54.7	153.2*	155.4	-	-	-	160.2	-	216.5	42.1	114.6*	111.3	-	-	114.6	-
216.5	49.6	149.9*	155.4	-	-	-	156.5	-	229.7	37.7	112.4*	111.3	-	-	111.7	-
229.7	45.2	137.8*	155.4	-	-	-	152.7	-	242.8	33.7	110.2*	111.3	-	-	109.1	-
239.5	42.2	124.6*	155.4	131.2	-	-	150.1	-	255.9	30.0	108.7*	111.3	-	-	106.7	-
242.8	41.2	120.2*	155.4	131.2	-	-	149.2	-	262.5	28.3	105.5*	111.3	91.9	-	105.2	-
246.1	40.1	115.4*	155.4	131.2	-	-	148.3	-	269.0	26.7	102.3*	111.3	91.9	-	103.8	-
252.6	34.4*	106.0*	155.4	131.2	-	-	146.4	-	282.2	23.8	89.1*	111.3	91.9	-	101.2	-
255.9	-	-	155.4	131.2	-	-	145.5	-	285.4	23.1	85.5*	111.3	91.9	-	100.3	-
269.0	-	-	144.4	131.2	-	-	140.7	-	292.0	18.3*	78.3*	111.3	91.9	-	99.0	-
282.2	-	-	126.8	131.2	-	-	137.1	-	295.3	-	-	111.3	91.9	-	98.3	-
292.0	-	-	112.4	131.2	-	-	134.3	-	308.4	-	-	108.0	91.9	-	95.5	-
295.3	-	-	-	131.2	-	-	133.4	-	321.5	-	-	95.0	91.9	-	93.0	-
305.1	-	-	-	131.2	112.4	126.8	-	-	328.1	-	-	88.2	91.9	-	91.8	-
308.4	-	-	-	131.2	112.4	124.6	-	-	334.6	-	-	-	91.9	76.9	90.6	-
321.5	-	-	-	126.8	112.4	114.8	-	-	347.8	-	-	-	91.7	76.7	88.2	-
328.1	-	-	-	120.2	111.2	110.5	-	-	360.9	-	-	-	91.7	76.7	85.7	-
334.6	-	-	-	-	-	110.0	106.3	-	364.2	-	-	-	91.7	76.7	85.0	-
347.8	-	-	-	-	-	104.3	98.2	-	374.0	-	-	-	-	76.7	82.9	-
360.9	-	-	-	-	-	99.0	90.2	-	387.1	-	-	-	-	76.7	76.4	-
374.0	-	-	-	-	-	-	82.2	-	397.0	-	-	-	-	76.7	71.1	-
387.1	-	-	-	-	-	-	71.9	-	400.3	-	-	-	-	-	69.1	-
400.3	-	-	-	-	-	-	61.6	-	413.4	-	-	-	-	-	60.8	-
413.4	-	-	-	-	-	-	55.3	-	426.5	-	-	-	-	-	52.0	-
423.2	-	-	-	-	-	-	47.4	-	439.6	-	-	-	-	-	44.8	-
								-	452.8	-	-	-	-	-	38.1	-
								-	462.6	-	-	-	-	-	31.3	-



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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		315.0 ft						236.2 ft +		78.7 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb								1,000 lb			
95.1	95.0	97.2	-	-	-	-	-	-	-	42.7	379.2	511.5	-	-	-
98.4	94.8	96.8	-	-	-	-	-	-	-	45.9	357.1	507.1	-	-	-
111.5	93.7	95.7*	-	-	-	-	-	-	-	52.5	317.5	529.1*	-	-	-
124.7	86.9	94.6*	-	-	-	-	-	-	-	59.1	286.6	520.3*	-	-	504.9
137.8	76.1	93.5*	-	-	-	-	92.8	-	-	65.6	262.4	507.1*	-	-	504.9
150.9	66.8	91.9*	-	-	-	-	91.8	-	-	72.2	240.3	491.6*	-	-	504.9
164.0	58.6	90.6*	-	-	-	-	90.5	-	-	78.7	222.7	478.4*	-	-	504.9
177.2	51.6	89.1*	-	-	-	-	89.1	-	-	85.3	206.1	463.0*	-	-	504.9
190.3	45.4	87.5*	-	-	-	-	87.2	-	-	91.9	192.9	447.5*	-	-	498.2
203.4	39.9	86.0*	78.9	-	-	85.2	-	-	-	95.1	187.4	440.9*	-	-	493.8
216.5	35.1	84.2*	78.9	-	-	83.1	-	-	-	98.4	170.9*	434.3*	-	-	493.8
229.7	30.6	82.7*	78.9	-	-	80.9	-	-	-	105.0	160.9*	412.3*	-	-	481.3
242.8	26.7	81.1*	78.9	-	-	78.8	-	-	-	108.3	-	-	502.7	-	479.5
255.9	23.1	79.6*	78.9	-	-	76.7	-	-	-	111.5	-	-	502.7	-	477.7
269.0	20.1	78.3*	78.9	-	-	74.5	-	-	-	124.7	-	-	451.9	-	446.8
282.2	17.0	76.9*	78.9	-	-	72.5	-	-	-	137.8	-	-	405.7	-	392.4
285.4	16.3	76.5*	78.9	61.7	-	72.0	-	-	-	144.4	-	-	388.0	-	371.1
295.3	14.3	75.6*	78.9	61.7	-	70.5	-	-	-	150.9	-	-	-	-	349.8
308.4	11.9	74.3*	78.7	61.7	-	68.5	-	-	-	160.8	-	-	319.7	-	320.0
321.5	9.7	65.3*	78.7	61.7	-	66.4	-	-	-	164.0	-	-	310.9	-	311.6
331.4	-	56.7*	78.7	61.7	-	65.0	-	-	-	177.2	-	-	284.4	-	277.8
334.6	-	-	78.7	61.7	-	64.6	-	-	-	183.7	-	-	273.4	-	264.6
347.8	-	-	78.7	61.7	-	62.6	-	-	-	190.3	-	-	-	-	251.3
360.9	-	-	70.8	61.7	49.6	60.9	-	-	-	203.4	-	-	-	-	227.1
367.5	-	-	65.3	61.7	49.6	60.1	-	-	-	206.7	-	-	-	222.7	222.1
374.0	-	-	-	61.7	49.6	59.3	-	-	-	216.5	-	-	-	210.5	207.2
387.1	-	-	-	61.7	49.6	57.6	-	-	-	219.8	-	-	-	207.2	202.8
400.3	-	-	-	61.7	49.6	56.0	-	-	-	229.7	-	-	-	-	189.6
403.5	-	-	-	61.7	49.6	55.6	-	-	-	242.8	-	-	-	-	173.8
413.4	-	-	-	-	49.6	54.5	-	-	-	255.9	-	-	-	-	159.8
426.5	-	-	-	-	49.6	53.1	-	-	-	269.0	-	-	-	-	142.2
436.4	-	-	-	-	49.6	50.9	-	-	-	282.2	-	-	-	-	123.5
439.6	-	-	-	-	-	49.2	-	-	-	288.7	-	-	-	-	115.7
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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							
		236.2 ft +		118.1 ft				27.6 ft		32.2 ft/s		360°	
		SWSL_1		SFSL_1						SWSL_1		SFSL_1	
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb	
		87°/85°		87°/85°		75°		65°		55°		15°	
		ft		1,000 lb						1,000 lb			
52.5	295.4	383.6	-	-	-	-	-	-	-	-	-	-	-
59.1	266.8	377.0	-	-	-	-	-	-	-	-	-	-	-
65.6	242.5	390.2*	-	-	-	-	-	-	-	-	-	-	-
72.2	222.7	383.6*	-	-	-	-	374.8	-	-	-	-	-	-
78.7	206.1	377.0*	-	-	-	-	374.8	-	-	-	-	-	-
85.3	190.7	370.4*	-	-	-	-	374.8	-	-	-	-	-	-
91.9	177.5	361.6*	-	-	-	-	374.8	-	-	-	-	-	-
98.4	166.4	352.7*	-	-	-	-	374.8	-	-	-	-	-	-
111.5	146.6	335.1*	-	-	-	-	372.6	-	-	-	-	-	-
124.7	131.2	317.5*	374.8	-	-	-	367.4	-	-	-	-	-	-
134.5	120.2	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		196.9 ft						236.2 ft +		236.2 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb								1,000 lb			
68.9	200.6	219.4	-	-	-	-	-	-	-	78.7	160.9	165.3	-	-	-
72.2	191.8	218.3	-	-	-	-	-	-	-	85.3	152.1	164.2	-	-	-
78.7	177.5	216.1	-	-	-	-	-	-	-	91.9	141.1	163.1	-	-	-
85.3	164.2	220.5*	-	-	-	-	-	-	-	98.4	131.2	165.3*	-	-	-
91.9	152.1	219.4*	-	-	-	-	-	-	-	111.5	114.6	163.1*	-	-	-
98.4	142.2	217.2*	-	-	-	-	-	-	-	114.8	111.3	162.6*	-	-	159.8
101.7	137.8	216.3*	-	-	-	-	-	213.8	-	124.7	101.2	160.9*	-	-	159.8
111.5	124.6	213.8*	-	-	-	-	-	213.8	-	137.8	89.7	158.7*	-	-	159.8
124.7	110.2	208.3*	-	-	-	-	-	213.5	-	150.9	80.0	155.4*	-	-	158.4
137.8	98.5	202.8*	-	-	-	-	-	212.7	-	164.0	71.7	152.1*	-	-	156.5
150.9	88.4	197.3*	-	-	-	-	-	212.0	-	173.9	66.2	149.6*	144.4	-	154.9
157.5	84.0	194.0*	201.7	-	-	-	-	211.6	-	177.2	64.4	148.8*	144.4	-	154.3
164.0	79.6	190.7*	201.7	-	-	-	-	209.1	-	190.3	58.0	144.4*	144.4	-	151.4
177.2	72.3	184.1*	201.7	-	-	-	-	206.1	-	203.4	52.2	141.1*	144.4	-	148.6
190.3	65.7	178.6*	201.7	-	-	-	-	202.5	-	216.5	47.4	136.7*	144.4	-	145.5
203.4	60.2	166.4*	201.7	-	-	-	-	197.7	-	229.7	43.0	133.4*	144.4	-	142.6
210.0	57.8	153.2*	200.6	-	-	-	-	195.8	-	242.8	39.0	122.4*	144.4	-	138.5
216.5	50.0*	140.0*	200.6	-	-	-	-	194.0	-	246.1	38.1	117.7*	144.4	-	137.8
226.4	-	-	198.1	174.2	-	-	-	189.6	-	249.3	32.7*	113.1*	144.4	122.4	137.1
229.7	-	-	197.3	174.2	-	-	-	188.5	-	255.9	31.1*	103.8*	144.4	122.4	135.6
242.8	-	-	180.8	173.1	-	-	-	179.7	-	269.0	-	-	144.4	122.4	131.9
255.9	-	-	154.3	170.9	-	-	-	166.4	-	282.2	-	-	133.4	122.4	128.6
259.2	-	-	147.7	168.1	-	-	-	163.1	-	295.3	-	-	115.7	122.4	125.7
269.0	-	-	-	159.8	-	-	-	153.2	-	308.4	-	-	-	122.4	119.3
282.2	-	-	-	151.0	-	-	-	141.1	-	318.2	-	-	-	122.4	113.5
292.0	-	-	-	144.4	132.3	132.8	-	-	-	321.5	-	-	-	122.4	111.3
295.3	-	-	-	142.2	130.1	130.1	-	-	-	334.6	-	-	-	116.8	104.1
298.6	-	-	-	141.1	128.1	127.5	-	-	-	347.8	-	-	-	-	98.5
308.4	-	-	-	-	122.4	119.8	-	-	-	360.9	-	-	-	-	94.2
321.5	-	-	-	-	115.7	110.5	-	-	-	370.7	-	-	-	-	93.5
331.4	-	-	-	-	111.3	104.2	-	-	-	374.0	-	-	-	-	86.5
334.6	-	-	-	-	-	102.1	-	-	-	387.1	-	-	-	-	79.4
347.8	-	-	-	-	-	94.0	-	-	-	400.3	-	-	-	-	72.2
360.9	-	-	-	-	-	85.2	-	-	-	413.4	-	-	-	-	63.8
374.0	-	-	-	-	-	74.3	-	-	-	426.5	-	-	-	-	54.2
387.1	-	-	-	-	-	63.1	-	-	-	439.6	-	-	-	-	46.2
400.3	-	-	-	-	-	55.4	-	-	-	-	-	-	-	-	39.0
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		275.6 ft						236.2 ft +		315.0 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb						ft		1,000 lb			
88.6	120.2	123.5	-	-	-	-	-	-	-	95.1	89.3	91.3	-	-	-
91.9	120.2	122.4	-	-	-	-	-	-	-	98.4	89.1	91.1	-	-	-
98.4	117.9	122.4	-	-	-	-	-	-	-	111.5	88.2	89.7	-	-	-
111.5	104.9	121.3*	-	-	-	-	-	-	-	124.7	82.9	89.1*	-	-	-
124.7	91.7	120.2*	-	-	-	-	-	-	-	137.8	72.3	88.4*	-	-	-
128.0	89.0	119.9*	-	-	-	-	-	-	-	141.1	70.1	88.1*	-	-	-
137.8	80.9	119.0*	-	-	-	-	-	-	-	150.9	63.3	87.1*	-	-	-
150.9	71.4	116.8*	-	-	-	-	-	-	-	164.0	55.6	85.8*	-	-	-
164.0	63.3	115.7*	-	-	-	-	-	-	-	177.2	48.7	84.4*	-	-	-
177.2	56.4	113.5*	-	-	-	-	-	-	-	190.3	42.8	82.9*	-	-	-
190.3	50.3	111.3*	104.9	-	-	-	-	-	-	203.4	37.5	81.4*	-	-	-
203.4	44.8	109.3*	104.9	-	-	-	-	-	-	206.7	36.3	81.0*	73.6	-	-
216.5	39.9	107.1*	104.9	-	-	-	-	-	-	216.5	32.8	79.8*	73.6	-	-
229.7	35.5	104.7*	104.9	-	-	-	-	-	-	229.7	28.7	78.3*	73.6	-	-
242.8	31.5	102.3*	104.9	-	-	-	-	-	-	242.8	24.7	76.9*	73.6	-	-
255.9	28.0	100.1*	104.9	-	-	-	-	-	-	255.9	21.2	75.4*	73.6	-	-
269.0	24.9	97.9*	104.9	85.8	-	-	-	-	-	269.0	18.1	73.9*	73.6	-	-
282.2	22.0	92.2*	104.9	85.8	-	-	-	-	-	282.2	15.2	72.5*	73.6	-	-
285.4	21.4	88.6*	104.9	85.8	-	-	-	-	-	292.0	13.2	71.5*	73.6	57.5	-
292.0	16.1*	81.6*	104.9	85.8	-	-	-	-	-	295.3	12.6	71.2*	73.6	57.5	-
295.3	-	-	104.9	85.8	-	-	-	-	-	308.4	10.1	70.1*	73.6	57.5	-
308.4	-	-	104.9	85.8	-	-	-	-	-	315.0	9.0	68.5*	73.6	57.5	-
321.5	-	-	101.6	85.8	-	-	-	-	-	321.5	-	66.8*	73.6	57.5	-
334.6	-	-	87.7	85.8	-	-	-	-	-	324.8	-	64.1*	73.6	57.5	-
344.5	-	-	-	85.8	71.9	-	-	-	-	331.4	-	58.6*	73.6	57.5	-
347.8	-	-	-	85.8	71.9	-	-	-	-	344.6	-	-	73.6	57.5	-
360.9	-	-	-	85.8	71.9	-	-	-	-	347.8	-	-	73.6	57.5	-
374.0	-	-	-	85.5	71.9	79.8	-	-	-	360.9	-	-	73.6	57.5	-
387.1	-	-	-	-	71.7	73.3	-	-	-	370.7	-	-	67.0	57.5	-
400.3	-	-	-	-	71.7	67.1	-	-	-	374.0	-	-	-	57.5	46.1
410.1	-	-	-	-	-	62.6	-	-	-	387.1	-	-	-	57.5	46.1
413.4	-	-	-	-	-	61.1	-	-	-	400.3	-	-	-	57.5	46.1
426.5	-	-	-	-	-	53.7	-	-	-	410.1	-	-	-	57.5	45.9
439.6	-	-	-	-	-	45.9	-	-	-	413.4	-	-	-	45.9	52.0
452.8	-	-	-	-	-	37.7	-	-	-	426.5	-	-	-	45.9	50.7
465.9	-	-	-	-	-	31.4	-	-	-	439.6	-	-	-	45.9	48.0
479.0	-	-	-	-	-	24.5	-	-	-	446.2	-	-	-	45.9	46.0
		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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		78.7 ft				255.9 ft +	118.1 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb -716,600 lb				0 lb	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
		ft	1,000 lb					ft	1,000 lb		
42.7	363.8	429.9	-	-	-	-	-	52.5	282.2	321.9	-
45.9	341.7	423.3	-	-	-	-	-	59.1	255.7	315.3	-
52.5	306.4	412.3	-	-	-	-	-	65.6	233.7	326.3*	-
59.1	277.8	427.7*	-	-	-	-	-	72.2	215.0	319.7*	-
62.3	264.6	423.3*	-	-	-	418.9	-	75.5	206.7	316.4*	-
65.6	251.3	416.7*	-	-	-	418.9	-	78.7	198.4	313.1*	-
72.2	231.5	403.4*	-	-	-	418.9	-	85.3	184.1	306.4*	-
78.7	215.0	390.2*	-	-	-	418.9	-	91.9	172.0	297.6*	-
85.3	199.5	377.0*	-	-	-	416.7	-	98.4	160.9	291.0*	-
91.9	186.3	363.8*	-	-	-	414.5	-	111.5	142.2	273.4*	-
95.1	180.8	358.3*	-	-	-	412.3	-	124.7	126.8	257.9*	-
98.4	164.2*	352.7*	-	-	-	410.1	-	128.0	123.8	254.6*	304.2
105.0	154.3*	341.7*	-	-	-	407.1	-	134.5	117.9	248.0*	302.8
111.5	-	-	405.7	-	-	404.2	-	137.8	107.1*	244.7*	302.0
124.7	-	-	392.4	-	-	392.4	-	144.4	102.3*	238.1*	296.9
137.8	-	-	372.6	-	-	383.6	-	150.9	-	-	293.9
150.9	-	-	346.1	-	-	346.9	-	164.0	-	-	285.1
164.0	-	-	-	-	-	311.6	-	177.2	-	-	277.8
170.6	-	-	-	293.2	-	294.7	-	187.0	-	-	260.1
177.2	-	-	-	280.0	-	277.8	-	190.3	-	-	254.3
190.3	-	-	-	257.9	-	251.3	-	203.4	-	-	231.5
203.4	-	-	-	-	-	226.4	-	216.5	-	-	210.5
216.5	-	-	-	-	-	206.1	-	229.7	-	-	192.9
219.8	-	-	-	-	201.7	201.7	-	242.8	-	-	176.4
229.7	-	-	-	-	-	191.8	188.5	246.1	-	-	172.5
242.8	-	-	-	-	-	-	172.3	255.9	-	-	160.9
255.9	-	-	-	-	-	-	157.6	269.0	-	-	148.4
269.0	-	-	-	-	-	-	145.1	282.2	-	-	137.1
282.2	-	-	-	-	-	-	130.8	295.3	-	-	125.7
295.3	-	-	-	-	-	-	114.6	308.4	-	-	115.4
305.1	-	-	-	-	-	-	102.5	321.5	-	-	103.3
		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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		157.5 ft		SWSL_1		SFSL_1		SWSL_1		SFSL_1		
		ft		ft		ft		ft		ft		ft		
		ft		ft		ft		ft		ft		ft		
62.3	227.1	244.7	-	-	-	-	-	68.9	184.1	188.5	-	-	-	
65.6	217.2	242.5	-	-	-	-	-	72.2	181.9	187.4	-	-	-	
72.2	199.5	238.1	-	-	-	-	-	78.7	170.9	185.2	-	-	-	
78.7	184.1	246.9*	-	-	-	-	-	85.3	157.6	188.5*	-	-	-	
85.3	170.9	244.7*	-	-	-	-	-	91.9	146.6	187.4*	-	-	-	
88.6	164.8	242.5*	-	-	-	235.9	-	98.4	136.7	185.2*	-	-	-	
91.9	158.7	240.3*	-	-	-	235.9	-	101.7	132.6	184.1*	-	-	181.9	
98.4	147.7	235.9*	-	-	-	235.9	-	111.5	120.2	180.8*	-	-	181.9	
111.5	130.1	227.1*	-	-	-	235.9	-	124.7	106.7	176.4*	-	-	181.5	
124.7	115.7	217.2*	-	-	-	234.4	-	137.8	95.0	169.8*	-	-	180.8	
137.8	104.1	207.2*	-	-	-	231.5	-	150.9	85.3	164.2*	-	-	178.6	
147.6	96.6	199.8*	229.3	-	-	229.3	-	160.8	79.0	159.3*	172.0	-	176.9	
150.9	94.1	197.3*	229.3	-	-	228.5	-	164.0	76.9	157.6*	172.0	-	176.4	
164.0	85.5	189.6*	227.1	-	-	224.9	-	177.2	69.7	151.0*	172.0	-	174.2	
170.6	81.8	185.7*	223.8	-	-	222.7	-	190.3	63.3	145.5*	172.0	-	171.2	
177.2	71.7*	181.9*	220.5	-	-	220.5	-	203.4	57.8	140.0*	169.8	-	167.6	
180.4	70.1*	179.7*	219.1	-	-	219.4	-	210.0	55.3	137.8*	167.6	-	165.3	
190.3	-	-	215.0	-	-	216.1	-	216.5	47.6*	135.6*	165.3	-	163.1	
203.4	-	-	207.2	-	-	208.9	-	219.8	46.5*	134.5*	164.2	-	162.0	
213.3	-	-	200.3	197.3	-	204.5	-	229.7	-	-	160.9	-	158.7	
216.5	-	-	198.4	197.3	-	202.8	-	236.2	-	-	158.2	144.4	-	156.5
226.4	-	-	190.7	195.8	-	193.5	-	242.8	-	-	155.4	144.4	-	154.3
229.7	-	-	-	195.1	-	190.3	-	255.9	-	-	149.9	144.4	-	149.9
242.8	-	-	-	183.0	-	176.7	-	262.5	-	-	146.6	144.4	-	148.1
255.9	-	-	-	170.9	-	162.0	-	269.0	-	-	144.4	-	146.2	
269.0	-	-	-	160.9	-	148.8	-	282.2	-	-	143.3	-	139.1	
275.6	-	-	-	-	142.2	142.2	-	295.3	-	-	140.0	-	129.0	
282.2	-	-	-	-	137.8	137.1	-	301.8	-	-	135.6	121.3	123.8	
295.3	-	-	-	-	130.1	125.7	-	305.1	-	-	133.4	120.2	121.3	
305.1	-	-	-	-	125.7	117.9	-	308.4	-	-	117.9	118.7	-	
308.4	-	-	-	-	-	115.4	-	321.5	-	-	111.3	109.1	-	
321.5	-	-	-	-	-	106.0	-	334.6	-	-	106.3	100.1	-	
334.6	-	-	-	-	-	97.7	-	344.5	-	-	102.1	94.0	-	
347.8	-	-	-	-	-	88.8	-	347.8	-	-	-	92.0	-	
360.9	-	-	-	-	-	77.5	-	360.9	-	-	-	84.2	-	
374.0	-	-	-	-	-	65.3	-	374.0	-	-	-	77.2	-	
380.6	-	-	-	-	-	61.5	-	387.1	-	-	-	67.6	-	
		0 lb		143,300 lb		275,600 lb		363,800 lb		0 lb		452,000 lb		
		452,000 lb		540,200 lb		628,400 lb		716,600 lb		452,000 lb		540,200 lb		

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		236.2 ft									
		SWSL_1		SFSL_1				SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb				0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°	
		ft		1,000 lb						1,000 lb			
78.7	138.9	142.2	-	-	-	-	-	88.6	104.9	107.6	-	-	-
85.3	137.8	141.1	-	-	-	-	-	91.9	104.7	107.1	-	-	-
91.9	135.6	140.0	-	-	-	-	-	98.4	104.1	106.3	-	-	-
98.4	125.7	141.1*	-	-	-	-	-	111.5	100.5	106.0*	-	-	-
111.5	110.2	138.9*	-	-	-	-	-	124.7	88.0	104.9*	-	-	-
114.8	107.0	138.3*	-	-	-	-	136.7	128.0	85.3	104.5*	-	-	-
124.7	97.4	136.7*	-	-	-	-	136.7	137.8	77.4	103.2*	-	-	-
137.8	86.4	133.4*	-	-	-	-	136.7	150.9	68.3	101.2*	-	-	-
150.9	76.9	130.1*	-	-	-	-	135.2	164.0	60.6	99.2*	-	-	-
164.0	68.8	126.8*	-	-	-	-	133.7	177.2	53.8	97.0*	-	-	-
177.2	61.7	122.4*	125.7	-	-	-	132.3	190.3	47.8	94.4*	-	-	-
190.3	55.6	119.0*	125.7	-	-	-	130.1	196.9	45.2	93.1*	91.5	-	-
203.4	50.0	114.6*	125.7	-	-	-	127.5	203.4	42.5	91.9*	91.5	-	-
216.5	45.2	110.2*	125.7	-	-	-	124.6	216.5	37.9	89.5*	91.5	-	-
229.7	41.0	107.4*	124.6	-	-	-	122.4	229.7	33.5	86.9*	91.5	-	-
242.8	37.3	103.8*	123.5	-	-	-	119.8	242.8	29.8	84.2*	91.5	-	-
249.3	35.5	102.2*	122.4	-	-	-	118.3	255.9	26.5	81.8*	91.5	-	-
255.9	28.9*	100.5*	121.3	-	-	-	116.8	269.0	23.1	79.4*	91.5	-	-
259.2	-	-	120.4	105.6	-	-	115.2	282.2	20.5	77.2*	91.3	74.5	-
269.0	-	-	117.9	105.6	-	-	113.5	285.4	19.8	76.6*	90.9	74.5	-
282.2	-	-	115.7	105.6	-	-	110.3	295.3	13.7*	74.7*	89.7	74.5	-
295.3	-	-	111.3	105.6	-	-	107.6	308.4	-	-	88.2	74.5	-
301.8	-	-	110.2	105.4	-	-	105.6	321.5	-	-	86.2	74.5	-
308.4	-	-	-	105.4	-	-	104.0	334.6	-	-	84.2	74.3	-
321.5	-	-	-	105.4	-	-	100.9	337.9	-	-	83.8	74.3	-
328.1	-	-	-	104.9	88.8	99.3	-	347.8	-	-	74.3	-	-
334.6	-	-	-	104.7	88.2	97.7	-	357.6	-	-	74.3	61.3	71.0
344.5	-	-	-	104.5	88.2	93.0	-	360.9	-	-	74.3	61.1	70.2
347.8	-	-	-	-	88.2	91.5	-	374.0	-	-	74.3	61.1	67.9
360.9	-	-	-	-	88.2	84.7	-	380.6	-	-	74.3	61.1	66.9
374.0	-	-	-	-	84.7	77.6	-	387.1	-	-	-	61.1	65.8
383.9	-	-	-	-	81.6	72.6	-	400.3	-	-	-	60.6	63.5
387.1	-	-	-	-	-	71.0	-	413.4	-	-	-	60.6	58.6
400.3	-	-	-	-	-	64.7	-	419.9	-	-	-	60.6	55.9
413.4	-	-	-	-	-	57.8	-	426.5	-	-	-	-	53.2
426.5	-	-	-	-	-	48.9	-	439.6	-	-	-	-	47.1
439.6	-	-	-	-	-	40.0	-	452.8	-	-	-	-	39.9
452.8	-	-	-	-	-	34.6	-	465.9	-	-	-	-	32.3
456.0	-	-	-	-	-	32.6	-	479.0	-	-	-	-	25.2
							-	492.1	-	-	-	-	20.1
							-	495.4	-	-	-	-	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		315.0 ft						275.6 ft +		78.7 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb						ft		1,000 lb			
98.4	77.2	79.4	-	-	-	-	-	-	-	45.9	326.3	383.6	-	-	-
111.5	76.3	78.0	-	-	-	-	-	-	-	52.5	293.2	372.6	-	-	-
124.7	75.0	77.4*	-	-	-	-	-	-	-	59.1	264.6	385.8*	-	-	-
137.8	69.0	76.7*	-	-	-	-	-	-	-	62.3	253.5	381.4*	-	-	374.8
141.1	66.9	76.4*	-	-	-	-	-	-	-	65.6	242.5	377.0*	-	-	374.8
150.9	60.4	75.4*	-	-	-	-	-	-	-	72.2	222.7	366.0*	-	-	374.8
164.0	52.7	74.3*	-	-	-	-	-	-	-	78.7	206.1	352.7*	-	-	372.6
177.2	46.3	72.8*	-	-	-	-	-	-	-	85.3	191.8	341.7*	-	-	372.6
190.3	40.6	71.4*	-	-	-	-	-	-	-	91.9	179.7	330.7*	-	-	370.4
203.4	35.3	69.7*	-	-	-	-	-	-	-	98.4	169.8	319.7*	-	-	366.0
213.3	32.0	68.5*	64.2	-	-	-	-	-	-	108.3	143.3*	304.2*	-	-	361.6
216.5	30.9	68.1*	64.2	-	-	-	-	-	-	111.5	-	-	-	-	360.1
229.7	26.7	66.4*	64.2	-	-	-	-	-	-	118.1	-	-	361.6	-	357.1
242.8	22.9	64.8*	64.2	-	-	-	-	-	-	124.7	-	-	354.9	-	350.5
255.9	19.6	63.1*	64.2	-	-	-	-	-	-	137.8	-	-	335.1	-	341.7
269.0	16.5	61.3*	64.2	-	-	-	-	-	-	150.9	-	-	315.3	-	331.4
282.2	13.7	59.5*	64.2	-	-	-	-	-	-	154.2	-	-	308.6	-	328.9
295.3	11.0	58.0*	64.2	-	-	-	-	-	-	164.0	-	-	-	-	309.4
301.8	9.8	57.2*	64.2	49.6	-	-	-	-	-	177.2	-	-	273.4	-	275.6
305.1	9.3	56.8*	64.2	49.6	-	-	-	-	-	190.3	-	-	251.3	-	249.1
308.4	-	56.4*	64.2	49.6	-	-	-	-	-	200.1	-	-	238.1	-	230.4
321.5	-	54.9*	63.7	49.6	-	-	-	-	-	203.4	-	-	-	-	224.9
324.8	-	54.6*	63.6	49.6	-	-	-	-	-	216.5	-	-	-	-	202.8
334.6	-	53.6*	63.3	49.6	-	-	-	-	-	229.7	-	-	-	-	185.9
347.8	-	-	62.8	49.6	-	-	-	-	-	232.9	-	-	181.9	-	181.7
360.9	-	-	61.9	49.6	-	-	-	-	-	242.8	-	-	174.2	-	170.1
374.0	-	-	61.3	49.6	-	-	-	-	-	255.9	-	-	-	-	155.4
377.3	-	-	61.1	49.6	-	-	-	-	-	269.0	-	-	-	-	142.2
383.9	-	-	-	49.6	38.8	-	-	-	-	282.2	-	-	-	-	130.1
387.1	-	-	-	49.6	38.8	-	-	-	-	295.3	-	-	-	-	119.0
400.3	-	-	-	49.6	38.8	-	-	-	-	308.4	-	-	-	-	104.2
413.4	-	-	-	49.6	38.8	-	-	-	-	321.5	-	-	-	-	88.6
419.9	-	-	-	49.6	38.8	-	-	-	-						
426.5	-	-	-	-	38.8	-	-	-	-						
439.6	-	-	-	-	38.8	-	-	-	-						
452.8	-	-	-	-	38.8	-	-	-	-						
459.3	-	-	-	-	38.8	-	-	-	-						
465.9	-	-	-	-	-	-	-	-	-						
479.0	-	-	-	-	-	-	-	-	-						
492.1	-	-	-	-	-	-	-	-	-						
518.4	-	-	-	-	-	-	-	-	-						
524.9	-	-	-	-	-	-	-	-	-						

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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							
		275.6 ft +		118.1 ft				27.6 ft		32.2 ft/s		360°	
		SWSL_1		SFSL_1				SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb				0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°	
		ft		1,000 lb				ft		1,000 lb			
52.5	271.2	293.2	-	-	-	-	-	62.3	216.1	222.7	-	-	-
59.1	244.7	286.6	-	-	-	-	-	65.6	207.2	220.5	-	-	-
65.6	224.9	282.2	-	-	-	-	-	72.2	190.7	218.3	-	-	-
72.2	206.1	291.0*	-	-	-	-	-	78.7	176.4	222.7*	-	-	-
75.5	198.4	287.7*	-	-	-	-	-	85.3	163.1	220.5*	-	-	-
78.7	190.7	284.4*	-	-	-	-	-	91.9	152.1	217.2*	-	-	216.1
85.3	177.5	277.8*	-	-	-	-	-	98.4	142.2	213.8*	-	-	216.1
91.9	165.3	271.2*	-	-	-	-	-	111.5	125.7	205.0*	-	-	215.3
98.4	155.4	264.6*	-	-	-	-	-	124.7	111.3	196.2*	-	-	213.5
111.5	136.7	249.1*	-	-	-	-	-	137.8	100.1	187.4*	-	-	210.5
124.7	122.4	235.9*	-	-	-	-	-	150.9	90.4	178.6*	206.1	-	207.6
134.5	113.5	226.0*	271.2	-	-	-	-	164.0	82.2	170.9*	203.9	-	203.9
137.8	102.3*	222.7*	271.2	-	-	-	-	173.9	76.9	165.1*	200.6	-	200.6
144.4	97.4*	218.3*	267.5	-	-	-	-	177.2	67.9*	163.1*	199.5	-	199.5
150.9	-	-	264.6	-	-	-	-	183.7	65.0*	159.8*	196.2	-	197.3
164.0	-	-	253.5	-	-	-	-	190.3	-	-	192.9	-	195.1
177.2	-	-	240.3	-	-	-	-	203.4	-	-	185.2	-	189.6
190.3	-	-	224.9	-	-	-	-	216.5	-	-	178.6	-	184.1
193.6	-	-	222.7	-	-	-	-	223.1	-	-	174.2	176.4	-
200.1	-	-	-	229.3	-	231.5	-	229.7	-	-	169.8	175.3	-
203.4	-	-	-	227.1	-	227.1	-	242.8	-	-	174.2	-	169.4
216.5	-	-	-	211.6	-	207.2	-	255.9	-	-	167.6	-	159.8
229.7	-	-	-	197.3	-	188.9	-	269.0	-	-	157.6	-	146.6
236.2	-	-	-	190.7	-	179.7	-	275.6	-	-	153.2	-	140.0
242.8	-	-	-	-	-	172.3	-	282.2	-	-	-	-	134.9
255.9	-	-	-	-	-	157.6	-	285.4	-	-	-	130.1	132.1
259.2	-	-	-	-	154.3	154.5	-	295.3	-	-	-	124.6	123.5
269.0	-	-	-	-	147.7	145.1	-	308.4	-	-	-	117.9	113.3
278.9	-	-	-	-	141.1	136.0	-	318.2	-	-	-	113.5	106.0
282.2	-	-	-	-	-	133.0	-	321.5	-	-	-	-	103.7
295.3	-	-	-	-	-	121.3	-	334.6	-	-	-	-	94.6
308.4	-	-	-	-	-	111.7	-	347.8	-	-	-	-	86.6
321.5	-	-	-	-	-	102.2	-	360.9	-	-	-	-	78.0
334.6	-	-	-	-	-	92.8	-	374.0	-	-	-	-	68.8
347.8	-	-	-	-	-	79.5	-	387.1	-	-	-	-	57.5
360.9	-	-	-	-	-	67.2	-	397.0	-	-	-	-	50.9



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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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%
		275.6 ft +		196.9 ft						275.6 ft +		236.2 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb						ft		1,000 lb			
72.2	168.7	172.0	-	-	-	-	-	-	-	78.7	127.9	131.2	-	-	-
78.7	163.1	169.8	-	-	-	-	-	-	-	85.3	126.8	130.1	-	-	-
85.3	151.0	167.6	-	-	-	-	-	-	-	91.9	125.7	127.9	-	-	-
91.9	141.1	170.9*	-	-	-	-	-	-	-	98.4	120.2	130.1*	-	-	-
98.4	131.2	169.8*	-	-	-	-	-	-	-	111.5	105.6	127.9*	-	-	-
105.0	122.9	167.6*	-	-	-	-	-	-	-	118.1	99.3	126.2*	-	-	-
111.5	114.6	165.3*	-	-	-	-	-	-	-	124.7	93.0	124.6*	-	-	-
124.7	102.3	159.8*	-	-	-	-	-	-	-	137.8	82.5	122.4*	-	-	-
137.8	91.3	154.3*	-	-	-	-	-	-	-	150.9	73.4	119.0*	-	-	-
150.9	81.8	148.8*	-	-	-	-	-	-	-	164.0	65.7	114.6*	-	-	-
164.0	73.6	143.3*	-	-	-	-	-	-	-	177.2	58.9	111.3*	-	-	-
167.3	71.9	141.6*	153.2	-	-	-	-	-	-	183.7	55.9	109.6*	114.6	-	-
177.2	66.6	136.7*	153.2	-	-	-	-	-	-	190.3	52.9	107.8*	114.6	-	-
190.3	60.6	131.2*	152.1	-	-	-	-	-	-	203.4	47.6	103.8*	114.6	-	-
203.4	55.3	126.8*	149.9	-	-	-	-	-	-	216.5	43.0	100.1*	113.5	-	-
210.0	52.9	124.6*	147.7	-	-	-	-	-	-	229.7	38.8	96.6*	113.5	-	-
216.5	44.5*	122.4*	145.5	-	-	-	-	-	-	242.8	35.1	93.0*	111.3	-	-
219.8	43.4*	121.3*	144.4	-	-	-	-	-	-	249.3	33.5	91.5*	110.2	-	-
229.7	-	-	141.1	-	-	-	-	-	-	255.9	26.5*	89.9*	109.1	-	-
242.8	-	-	135.6	130.1	-	-	-	-	-	259.2	25.6*	89.1*	108.4	-	-
255.9	-	-	130.1	130.1	-	-	-	-	-	265.7	-	-	106.8	95.0	-
269.0	-	-	124.6	130.1	-	-	-	-	-	269.0	-	-	106.0	95.0	-
282.2	-	-	-	126.8	-	-	-	-	-	282.2	-	-	103.0	95.0	-
295.3	-	-	-	123.5	-	-	-	-	-	295.3	-	-	99.2	95.0	-
308.4	-	-	-	119.0	-	-	-	-	-	305.1	-	-	96.3	95.0	-
311.7	-	-	-	117.4	107.4	111.9	-	-	-	308.4	-	-	-	95.0	-
315.0	-	-	-	115.7	107.4	109.8	-	-	-	321.5	-	-	-	94.6	-
321.5	-	-	-	-	105.6	105.2	-	-	-	334.6	-	-	-	93.8	-
334.6	-	-	-	-	99.9	96.1	-	-	-	341.2	-	-	-	93.3	-
347.8	-	-	-	-	94.6	88.0	-	-	-	347.8	-	-	-	92.0	-
354.3	-	-	-	-	92.2	84.0	-	-	-	351.1	-	-	-	86.9	-
360.9	-	-	-	-	-	80.4	-	-	-	360.9	-	-	-	85.1	-
374.0	-	-	-	-	-	73.2	-	-	-	374.0	-	-	-	83.3	-
387.1	-	-	-	-	-	66.7	-	-	-	387.1	-	-	-	82.6	-
400.3	-	-	-	-	-	58.8	-	-	-	393.7	-	-	-	63.9	-
413.4	-	-	-	-	-	49.4	-	-	-	400.3	-	-	-	60.9	-
426.5	-	-	-	-	-	40.0	-	-	-	413.4	-	-	-	54.9	-
436.4	-	-	-	-	-	36.4	-	-	-	426.5	-	-	-	48.1	-
		0 lb		143,300 lb		275,600 lb		363,800 lb		80.4		77.8		79.1	
		452,000 lb		540,200 lb		628,400 lb		716,600 lb		73.2		77.8		73.6	
		452.8		465.9		465.9		475.7		66.7		75.0		67.1	
		465.9		475.7		475.7		475.7		58.8		73.0		63.9	
		475.7		475.7		475.7		475.7		49.4		73.0		60.9	
		475.7		475.7		475.7		475.7		40.0		54.9		54.9	
		475.7		475.7		475.7		475.7		36.4		48.1		48.1	
		475.7		475.7		475.7		475.7		439.6		40.7		40.7	
		475.7		475.7		475.7		475.7		452.8		32.6		32.6	
		475.7		475.7		475.7		475.7		465.9		26.2		26.2	
		475.7		475.7		475.7		475.7		475.7		21.6		21.6	

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55° 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%
		275.6 ft +		275.6 ft						275.6 ft +		315.0 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb						ft		1,000 lb			
88.6	96.3	99.2	-	-	-	-	-	-	-	98.4	70.5	72.8	-	-	-
91.9	96.1	98.8	-	-	-	-	-	-	-	111.5	69.7	71.7	-	-	-
98.4	95.5	97.9	-	-	-	-	-	-	-	124.7	68.8	71.0*	-	-	-
111.5	93.3	97.4*	-	-	-	-	-	-	-	137.8	65.9	70.1*	-	-	-
124.7	83.8	96.1*	-	-	-	-	-	-	-	144.4	61.6	69.4*	-	-	69.0
131.2	78.7	95.2*	-	-	-	-	-	94.6	-	150.9	57.3	68.8*	-	-	68.7
137.8	73.6	94.4*	-	-	-	-	-	94.1	-	164.0	50.3	67.7*	-	-	68.0
150.9	65.0	92.6*	-	-	-	-	-	93.5	-	177.2	43.7	66.1*	-	-	67.2
164.0	57.3	90.4*	-	-	-	-	-	92.6	-	190.3	38.1	64.6*	-	-	66.0
177.2	50.9	88.2*	-	-	-	-	-	91.3	-	203.4	33.1	63.1*	-	-	64.6
190.3	45.2	85.5*	-	-	-	-	-	89.8	-	216.5	28.7	61.3*	58.0	-	63.3
200.1	41.2	83.7*	83.3	-	-	-	-	88.7	-	229.7	24.7	59.7*	58.0	-	61.8
203.4	39.9	83.1*	83.3	-	-	-	-	88.3	-	242.8	21.2	58.0*	58.0	-	60.3
216.5	35.5	80.7*	83.3	-	-	-	-	86.6	-	255.9	17.6	56.2*	58.0	-	58.6
229.7	31.3	78.0*	83.3	-	-	-	-	84.7	-	269.0	14.8	54.5*	58.0	-	57.1
242.8	27.6	75.4*	83.3	-	-	-	-	82.7	-	282.2	12.1	52.7*	58.0	-	55.4
255.9	24.3	73.0*	83.1	-	-	-	-	80.7	-	295.3	9.5	50.9*	57.8	-	53.8
269.0	21.4	70.5*	82.2	-	-	-	-	78.6	-	298.6	8.8	50.5*	57.8	-	53.4
282.2	18.5	68.3*	81.4	-	-	-	-	76.5	-	308.4	-	49.4*	57.8	-	52.2
288.7	17.4	67.2*	80.6	66.8	-	-	75.4	-	-	311.7	-	49.0*	57.8	44.1	51.8
295.3	11.5*	66.1*	79.8	66.8	-	-	74.3	-	-	321.5	-	47.8*	57.1	44.1	50.6
298.6	10.8*	65.5*	79.4	66.8	-	-	73.8	-	-	324.8	-	47.5*	56.8	44.1	50.3
308.4	-	-	78.0	66.8	-	-	72.2	-	-	334.6	-	46.3*	56.0	44.1	48.9
321.5	-	-	76.1	66.8	-	-	70.2	-	-	347.8	-	-	54.9	44.1	47.4
334.6	-	-	73.9	66.8	-	-	68.1	-	-	360.9	-	-	53.8	44.1	45.6
344.5	-	-	72.1	66.8	-	-	66.1	-	-	374.0	-	-	52.5	44.1	44.1
347.8	-	-	-	66.8	-	-	65.5	-	-	383.9	-	-	51.6	44.1	42.9
360.9	-	-	-	66.8	-	-	63.2	-	-	387.1	-	-	-	44.1	42.5
367.5	-	-	-	66.8	53.6	-	62.0	-	-	397.0	-	-	-	44.1	41.2
374.0	-	-	-	66.8	53.6	60.8	-	-	-	400.3	-	-	-	44.1	40.8
387.1	-	-	-	66.1	53.6	57.9	-	-	-	413.4	-	-	-	44.1	38.8
390.4	-	-	-	66.1	53.6	57.3	-	-	-	426.5	-	-	-	44.1	37.3
400.3	-	-	-	-	53.6	55.5	-	-	-	439.6	-	-	-	33.3	35.1
413.4	-	-	-	-	53.1	53.1	-	-	-	452.8	-	-	-	33.3	33.3
426.5	-	-	-	-	53.1	48.9	-	-	-	465.9	-	-	-	33.3	31.4
433.1	-	-	-	-	53.1	46.7	-	-	-	469.2	-	-	-	33.3	30.9
439.6	-	-	-	-	-	44.2	-	-	-	479.0	-	-	-	-	29.1
452.8	-	-	-	-	-	39.0	-	-	-	492.1	-	-	-	-	24.5
465.9	-	-	-	-	-	32.0	-	-	-	518.4	-	-	-	-	11.9
479.0	-	-	-	-	-	24.9	-	-	-	528.2	-	-	-	-	9.0
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		78.7 ft				295.3 ft +	118.1 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb -716,600 lb		ft	1,000 lb	ft	0 lb -716,600 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
45.9	310.9	346.1	-	-	-	-	-	55.8	246.9	264.6	-
52.5	280.0	337.3	-	-	-	-	-	59.1	235.9	260.1	-
59.1	253.5	348.3*	-	-	-	-	-	65.6	215.0	255.7	-
65.6	231.5	339.5*	-	-	-	-	-	72.2	198.4	262.4*	-
72.2	215.0	330.7*	-	-	-	-	-	78.7	183.0	257.9*	-
78.7	198.4	319.7*	-	-	-	-	-	85.3	170.9	251.3*	-
85.3	185.2	310.9*	-	-	-	-	-	91.9	158.7	246.9*	-
91.9	173.1	299.8*	-	-	-	-	-	98.4	148.8	240.3*	-
98.4	163.1	288.8*	-	-	-	-	-	111.5	132.3	227.1*	-
108.3	136.7*	277.8*	-	-	-	-	-	124.7	117.9	213.8*	-
111.5	-	-	-	-	-	-	-	137.8	107.4	202.8*	-
124.7	-	-	317.5	-	-	-	-	141.1	95.2*	201.0*	240.3
137.8	-	-	302.0	-	-	-	-	147.6	90.8*	197.3*	235.9
150.9	-	-	284.4	-	-	-	-	150.9	-	-	233.7
160.8	-	-	269.0	-	-	-	-	164.0	-	-	224.9
164.0	-	-	-	-	-	-	-	177.2	-	-	215.0
177.2	-	-	-	-	-	-	-	190.3	-	-	202.8
187.0	-	-	-	251.3	-	-	-	196.9	-	-	196.2
190.3	-	-	-	244.7	-	-	-	203.4	-	-	-
203.4	-	-	-	227.1	-	-	-	206.7	-	-	202.8
206.7	-	-	-	222.7	-	-	-	216.5	-	-	199.5
216.5	-	-	-	-	-	-	-	229.7	-	-	189.6
229.7	-	-	-	-	-	-	-	242.8	-	-	178.6
242.8	-	-	-	-	166.4	165.7	-	246.1	-	-	176.4
252.6	-	-	-	-	-	158.7	154.7	255.9	-	-	-
255.9	-	-	-	-	-	-	151.0	269.0	-	-	141.1
269.0	-	-	-	-	-	-	138.5	282.2	-	-	133.4
282.2	-	-	-	-	-	-	126.4	292.0	-	-	127.9
295.3	-	-	-	-	-	-	114.6	295.3	-	-	-
308.4	-	-	-	-	-	-	105.2	308.4	-	-	-
321.5	-	-	-	-	-	-	93.3	321.5	-	-	-
334.6	-	-	-	-	-	-	78.7	334.6	-	-	-
337.9	-	-	-	-	-	-	75.2	347.8	-	-	-
	0 lb	143,300 lb	275,600 lb	363,800 lb				360.9	-	-	-
	452,000 lb	540,200 lb	628,400 lb	716,600 lb				374.0	-	-	-
								377.3	-	-	-

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		157.5 ft		SWSL_1		SFSL_1			
		ft		0 lb	0 lb	1,000 lb		0 lb	0 lb	1,000 lb	
				87°/85°	87°/85°	75°	65°	55°	15°		
62.3	198.4	203.9	-	-	-	-	-	-	-	-	-
65.6	196.2	202.8	-	-	-	-	-	-	-	-	-
72.2	183.0	199.5	-	-	-	-	-	-	-	-	-
78.7	168.7	203.9*	-	-	-	-	-	-	-	-	-
85.3	156.5	200.6*	-	-	-	-	-	-	-	-	-
91.9	146.6	198.4*	-	-	-	195.1	-	-	-	-	-
98.4	136.7	194.0*	-	-	-	195.1	-	-	-	-	-
111.5	120.2	186.3*	-	-	-	194.4	-	-	-	-	-
124.7	107.4	178.6*	-	-	-	192.5	-	-	-	-	-
137.8	96.1	169.8*	-	-	-	189.6	-	-	-	-	-
150.9	86.9	162.0*	-	-	-	186.7	-	-	-	-	-
154.2	84.9	160.1*	184.1	-	-	185.9	-	-	-	-	-
164.0	78.9	154.3*	183.0	-	-	183.0	-	-	-	-	-
173.9	73.9	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		236.2 ft									
		SWSL_1		SFSL_1				SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb				0 lb		0 lb -716,600 lb			
		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
		1,000 lb		1,000 lb				1,000 lb		1,000 lb			
82.0	115.7	119.0	-	-	-	-	-	88.6	88.0	90.8	-	-	-
85.3	115.7	119.0	-	-	-	-	-	91.9	87.7	90.4	-	-	-
91.9	114.6	116.8	-	-	-	-	-	98.4	87.1	89.3	-	-	-
98.4	112.4	117.9*	-	-	-	-	-	111.5	85.8	89.1*	-	-	-
111.5	101.0	116.8*	-	-	-	-	-	124.7	79.6	87.7*	-	-	-
118.1	94.9	115.2*	-	-	-	-	-	131.2	74.6	86.9*	-	-	-
124.7	88.8	113.5*	-	-	-	-	-	137.8	69.7	86.0*	-	-	-
137.8	78.5	110.2*	-	-	-	-	-	150.9	61.5	84.0*	-	-	-
150.9	69.9	107.8*	-	-	-	-	-	164.0	54.2	81.8*	-	-	-
164.0	62.4	104.3*	-	-	-	-	-	177.2	47.8	79.6*	-	-	-
177.2	55.8	100.8*	-	-	-	-	-	190.3	42.3	77.2*	-	-	-
190.3	50.0	97.0*	103.4	-	-	-	-	203.4	37.5	74.5*	-	-	-
203.4	45.0	93.3*	103.4	-	-	-	-	206.7	36.4	73.9*	75.2	-	-
216.5	40.6	89.7*	103.2	-	-	-	-	216.5	33.1	72.1*	75.2	-	-
229.7	36.4	86.4*	101.6	-	-	-	-	229.7	29.1	69.7*	75.2	-	-
242.8	32.8	83.1*	99.2	-	-	-	-	242.8	25.6	67.0*	75.2	-	-
249.3	31.3	81.7*	98.1	-	-	-	-	255.9	22.3	64.6*	74.7	-	-
255.9	23.8*	80.2*	97.0	-	-	-	-	269.0	19.4	62.4*	73.4	-	-
259.2	23.1*	79.6*	96.3	-	-	-	-	282.2	16.8	60.2*	72.1	-	-
269.0	-	-	94.1	-	-	-	-	288.7	15.7	59.2*	71.2	-	-
275.6	-	-	92.5	84.4	-	90.4	-	295.3	9.0*	58.2*	70.3	-	-
282.2	-	-	90.8	84.4	-	88.9	-	298.6	-	57.5*	69.8	59.1	-
295.3	-	-	87.5	84.4	-	86.0	-	308.4	-	-	68.3	59.1	-
308.4	-	-	84.0	84.4	-	83.0	-	321.5	-	-	66.4	59.1	-
311.7	-	-	82.9	84.0	-	82.3	-	334.6	-	-	64.2	59.1	-
321.5	-	-	-	82.9	-	79.9	-	347.8	-	-	61.7	59.1	-
334.6	-	-	-	80.9	-	76.9	-	351.1	-	-	61.1	59.1	-
347.8	-	-	-	78.0	-	72.9	-	360.9	-	-	-	59.1	-
354.3	-	-	-	76.2	67.0	71.2	-	374.0	-	-	-	57.8	-
360.9	-	-	-	74.3	67.0	69.4	-	380.6	-	-	57.3	45.6	51.2
374.0	-	-	-	-	66.4	65.9	-	387.1	-	-	56.4	45.6	50.0
387.1	-	-	-	-	65.5	62.4	-	397.0	-	-	54.7	45.6	47.8
400.3	-	-	-	-	62.8	57.8	-	400.3	-	-	-	45.6	47.0
403.5	-	-	-	-	61.9	56.4	-	413.4	-	-	-	45.6	44.3
413.4	-	-	-	-	-	52.2	-	426.5	-	-	-	45.0	41.7
426.5	-	-	-	-	-	46.7	-	439.6	-	-	-	44.3	38.9
439.6	-	-	-	-	-	40.6	-	442.9	-	-	-	43.7	38.1
452.8	-	-	-	-	-	33.7	-	452.8	-	-	-	-	35.9
465.9	-	-	-	-	-	26.1	-	465.9	-	-	-	-	30.8
479.0	-	-	-	-	-	19.4	-	479.0	-	-	-	-	24.3
492.1	-	-	-	-	-	13.9	-	492.1	-	-	-	-	17.6
						511.8	-		-	-	-	-	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		315.0 ft						315.0 ft +		78.7 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
		0 lb		0 lb -716,600 lb						0 lb		0 lb -716,600 lb			
		87°/85°		87°/85°		75°		65°		55°		15°			
		ft		1,000 lb								1,000 lb			
98.4	63.9	66.1	-	-	-	-	-	-	-	310.9	-	-	-	-	-
111.5	63.1	65.0	-	-	-	-	-	-	-	282.2	306.4	-	-	-	-
124.7	62.2	64.4*	-	-	-	-	-	-	-	266.8	304.2	-	-	-	-
137.8	60.0	63.5*	-	-	-	-	-	-	-	242.5	308.6*	-	-	-	-
147.6	55.0	62.5*	-	-	-	-	62.2	-	-	222.7	304.2*	-	-	-	299.8
150.9	53.4	62.2*	-	-	-	-	61.9	-	-	205.0	297.6*	-	-	-	299.8
164.0	46.3	60.8*	-	-	-	-	61.2	-	-	190.7	288.8*	-	-	-	297.6
177.2	40.3	59.5*	-	-	-	-	60.6	-	-	177.5	280.0*	-	-	-	295.4
190.3	35.1	58.0*	-	-	-	-	59.5	-	-	166.4	271.2*	-	-	-	295.4
203.4	30.2	56.2*	-	-	-	-	58.2	-	-	156.5	262.4*	-	-	-	291.0
216.5	26.0	54.7*	-	-	-	-	56.9	-	-	126.8*	249.1*	-	-	-	285.1
223.1	24.0	53.8*	51.8	-	-	-	56.2	-	-	-	-	-	-	-	278.5
229.7	22.0	52.9*	51.8	-	-	-	55.6	-	-	-	280.0	-	-	-	276.7
242.8	18.5	51.1*	51.8	-	-	-	54.2	-	-	-	271.2	-	-	-	271.2
255.9	15.4	49.4*	51.8	-	-	-	52.7	-	-	-	255.7	-	-	-	262.4
269.0	12.6	47.6*	51.8	-	-	-	51.1	-	-	-	238.1	-	-	-	252.8
282.2	9.9	45.9*	51.6	-	-	-	49.5	-	-	-	-	-	-	-	242.5
285.4	9.3	45.4*	51.4	-	-	-	49.1	-	-	-	-	-	-	-	231.5
295.3	-	44.1*	50.9	-	-	-	47.8	-	-	-	-	-	-	-	229.3
308.4	-	42.5*	50.3	-	-	-	46.3	-	-	-	-	-	-	-	217.2
318.2	-	41.4*	49.8	38.1	-	-	45.0	-	-	-	-	-	-	-	197.3
321.5	-	41.0*	49.6	38.1	-	-	44.6	-	-	-	-	-	-	-	179.7
324.8	-	40.6*	49.3	38.1	-	-	44.3	-	-	-	-	-	-	-	163.4
334.6	-	39.5*	48.5	38.1	-	-	43.0	-	-	-	-	-	-	-	152.1
337.9	-	39.2*	48.2	38.1	-	-	42.6	-	-	-	-	-	-	-	148.8
347.8	-	-	47.2	38.1	-	-	41.4	-	-	-	-	-	-	-	142.2
360.9	-	-	45.9	38.1	-	-	39.8	-	-	-	-	-	-	-	135.6
374.0	-	-	44.3	38.1	-	-	38.1	-	-	-	-	-	-	-	123.1
387.1	-	-	43.0	38.1	-	-	36.4	-	-	-	-	-	-	-	111.3
400.3	-	-	-	38.1	-	-	34.4	-	-	-	-	-	-	-	101.8
410.1	-	-	-	38.1	27.6	-	33.1	-	-	-	-	-	-	-	92.2
413.4	-	-	-	38.1	27.6	-	32.6	-	-	-	-	-	-	-	82.7
426.5	-	-	-	37.5	27.3	-	30.7	-	-	-	-	-	-	-	69.3
436.4	-	-	-	36.8	27.3	-	29.3	-	-	-	-	-	-	-	59.3
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		118.1 ft				315.0 ft +	157.5 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		0 lb	0 lb	0 lb - 716,600 lb		ft	1,000 lb	ft	0 lb - 716,600 lb		
		87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°
55.8	229.3	238.1	-	-	-	-	-	65.6	179.7	184.1	-
59.1	224.9	235.9	-	-	-	-	-	72.2	174.2	180.8	-
65.6	206.1	229.3	-	-	-	-	-	78.7	160.9	177.5	-
72.2	189.6	235.9*	-	-	-	-	-	85.3	149.9	181.9*	-
78.7	175.3	231.5*	-	-	-	-	-	91.9	140.0	179.7*	-
82.0	169.2	229.3*	-	-	-	227.1	-	95.1	135.0	178.0*	-
85.3	163.1	227.1*	-	-	-	227.1	-	98.4	130.1	176.4*	-
91.9	152.1	220.5*	-	-	-	227.1	-	111.5	114.6	168.7*	-
98.4	143.3	216.1*	-	-	-	224.9	-	124.7	102.7	160.9*	-
111.5	126.8	203.9*	-	-	-	221.9	-	137.8	91.9	153.2*	-
124.7	113.5	192.9*	-	-	-	218.6	-	150.9	83.1	146.6*	-
137.8	103.0	183.0*	-	-	-	215.0	-	160.8	77.3	141.6*	164.2
144.4	88.0*	179.3*	212.7	-	-	212.0	-	164.0	75.4	140.0*	163.1
147.6	85.8*	177.5*	211.6	-	-	210.5	-	173.9	70.3	135.0*	160.9
150.9	-	-	210.5	-	-	209.1	-	177.2	60.4*	133.4*	159.8
164.0	-	-	201.7	-	-	203.2	-	187.0	56.2*	130.1*	155.7
177.2	-	-	191.8	-	-	197.3	-	190.3	-	-	155.4
190.3	-	-	181.9	-	-	190.0	-	203.4	-	-	150.6
203.4	-	-	170.9	-	-	182.6	-	216.5	-	-	145.5
216.5	-	-	-	175.3	-	175.3	-	229.7	-	-	140.4
229.7	-	-	-	167.6	-	166.8	-	239.5	-	130.1	130.1
242.8	-	-	-	158.7	-	159.5	-	242.8	-	-	134.8
255.9	-	-	-	147.7	-	152.1	-	255.9	-	-	129.0
269.0	-	-	-	-	-	138.9	-	269.0	-	-	123.1
282.2	-	-	-	-	126.8	126.4	-	282.2	-	-	117.2
295.3	-	-	-	-	119.0	114.6	-	292.0	-	-	112.8
301.8	-	-	-	-	115.7	109.7	-	295.3	-	-	111.3
308.4	-	-	-	-	-	104.8	-	308.4	-	-	104.6
321.5	-	-	-	-	-	95.2	-	321.5	-	-	96.6
334.6	-	-	-	-	-	86.4	-	334.6	-	-	87.5
347.8	-	-	-	-	-	78.5	-	341.2	-	-	83.5
360.9	-	-	-	-	-	70.5	-	347.8	-	-	79.4
374.0	-	-	-	-	-	60.2	-	360.9	-	-	71.7
387.1	-	-	-	-	-	49.2	-	374.0	-	-	64.8
393.7	-	-	-	-	-	44.3	-	387.1	-	-	58.2
		0 lb	143,300 lb	275,600 lb	363,800 lb			400.3	-	-	50.3
		452,000 lb	540,200 lb	628,400 lb	716,600 lb			413.4	-	-	40.8
								426.5	-	-	31.6
								433.1	-	-	29.1

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		196.9 ft				315.0 ft +		236.2 ft									
		SWSL_1				SFSL_1											
		0 lb	0 lb - 716,600 lb					0 lb	0 lb - 716,600 lb								
ft			1,000 lb						1,000 lb								
72.2	137.8	141.1	-	-	-	-	82.0	105.8	108.9	-	-	-	-				
78.7	136.7	140.0	-	-	-	-	85.3	105.4	108.2	-	-	-	-				
85.3	133.4	137.8	-	-	-	-	91.9	104.3	106.9	-	-	-	-				
91.9	129.0	140.0*	-	-	-	-	98.4	103.4	105.4	-	-	-	-				
98.4	120.2	137.8*	-	-	-	-	111.5	95.9	105.8*	-	-	-	-				
108.3	109.2	135.3*	-	-	-	134.5	121.4	87.1	103.8*	-	-	-	103.0				
111.5	105.6	134.5*	-	-	-	134.1	124.7	84.2	103.2*	-	-	-	102.7				
124.7	93.5	129.0*	-	-	-	133.0	137.8	74.5	100.3*	-	-	-	101.9				
137.8	83.3	124.6*	-	-	-	132.3	150.9	66.1	97.0*	-	-	-	100.8				
150.9	74.5	120.2*	-	-	-	129.3	164.0	58.9	93.7*	-	-	-	99.4				
164.0	67.0	114.6*	-	-	-	126.8	177.2	52.7	90.2*	-	-	-	97.7				
177.2	60.4	110.0*	122.4	-	-	124.6	190.3	47.2	86.6*	-	-	-	95.7				
190.3	54.9	105.2*	121.3	-	-	121.6	193.6	46.0	85.8*	92.4	-	-	95.2				
203.4	49.8	100.8*	119.0	-	-	118.3	203.4	42.3	83.3*	92.2	-	-	93.6				
213.3	46.5	97.9*	116.6	-	-	115.6	216.5	37.9	79.8*	91.1	-	-	91.3				
216.5	38.1*	97.0*	115.7	-	-	114.6	229.7	34.0	76.7*	89.5	-	-	88.8				
223.1	36.4*	95.2*	113.5	-	-	113.0	242.8	30.6	73.9*	87.5	-	-	86.1				
229.7	-	-	111.3	-	-	111.4	252.6	28.2	71.7*	85.7	-	-	84.0				
242.8	-	-	107.6	-	-	107.8	255.9	21.2*	71.0*	85.1	-	-	83.3				
255.9	-	-	103.0	-	-	103.8	262.5	19.8*	69.9*	83.8	-	-	81.7				
259.2	-	-	101.7	99.2	-	102.8	269.0	-	-	82.5	-	-	80.2				
269.0	-	-	97.9	98.8	-	99.9	282.2	-	-	79.1	72.8	-	77.2				
278.9	-	-	93.9	97.1	-	96.9	295.3	-	-	76.1	72.8	-	74.3				
282.2	-	-	-	96.6	-	95.9	308.4	-	-	72.5	72.1	-	71.2				
295.3	-	-	-	93.3	-	91.9	318.2	-	-	69.7	70.6	-	68.9				
308.4	-	-	-	89.1	-	87.8	321.5	-	-	-	70.1	-	68.1				
321.5	-	-	-	84.7	-	83.0	334.6	-	-	-	67.9	-	65.0				
331.4	-	-	-	80.7	-	79.6	347.8	-	-	-	64.8	-	61.7				
334.6	-	-	-	-	-	78.3	360.9	-	-	-	61.7	-	58.2				
337.9	-	-	-	-	75.0	77.1	364.2	-	-	-	60.8	54.0	57.3				
347.8	-	-	-	-	73.4	73.6	367.5	-	-	-	60.0	54.0	56.4				
360.9	-	-	-	-	70.1	68.9	374.0	-	-	-	-	53.8	54.7				
374.0	-	-	-	-	66.4	64.2	387.1	-	-	-	-	52.0	50.6				
377.3	-	-	-	-	65.3	62.9	400.3	-	-	-	-	49.8	47.0				
387.1	-	-	-	-	-	59.0	413.4	-	-	-	-	47.0	43.4				
400.3	-	-	-	-	-	53.4	416.7	-	-	-	-	46.1	42.5				
413.4	-	-	-	-	-	47.6	426.5	-	-	-	-	-	39.6				
426.5	-	-	-	-	-	40.6	439.6	-	-	-	-	-	35.6				
439.6	-	-	-	-	-	33.0	452.8	-	-	-	-	-	31.5				
452.8	-	-	-	-	-	24.9	465.9	-	-	-	-	-	24.9				
465.9	-	-	-	-	-	19.1	479.0	-	-	-	-	-	18.1				
469.2	-	-	-	-	-	18.1	492.1	-	-	-	-	-	11.5				
							498.7	-	-	-	-	-	9.7				

* Main boom angle 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		275.6 ft						315.0 ft +		315.0 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
ft	lb	0 lb	0 lb	0 lb -716,600 lb		ft	lb	0 lb	0 lb -716,600 lb	ft	lb	0 lb -716,600 lb		ft	lb
1,000 lb															
91.9	79.1	81.8	-	-	-	-	98.4	57.1	59.5	-	-	-	-	-	-
98.4	78.5	80.9	-	-	-	-	111.5	56.2	58.2	-	-	-	-	-	-
111.5	77.2	80.2*	-	-	-	-	124.7	55.3	57.5*	-	-	-	-	-	-
124.7	74.3	78.9*	-	-	-	-	137.8	53.8	56.7*	-	-	-	-	-	-
134.5	67.8	77.8*	-	-	-	76.9	147.6	50.5	55.7*	-	-	-	-	55.1	
137.8	65.7	77.4*	-	-	-	76.7	150.9	49.6	55.3*	-	-	-	-	55.0	
150.9	57.8	75.4*	-	-	-	76.1	164.0	43.0	54.0*	-	-	-	-	54.3	
164.0	50.9	73.2*	-	-	-	75.3	177.2	37.3	52.5*	-	-	-	-	53.6	
177.2	44.8	71.0*	-	-	-	74.1	190.3	32.2	51.1*	-	-	-	-	52.7	
190.3	39.5	68.6*	-	-	-	72.6	203.4	27.6	49.4*	-	-	-	-	51.4	
203.4	34.6	66.1*	-	-	-	71.1	216.5	23.4	47.8*	-	-	-	-	50.0	
210.0	32.5	64.9*	66.6	-	-	70.4	226.4	20.6	46.5*	45.2	-	-	-	49.2	
216.5	30.4	63.7*	66.6	-	-	69.7	229.7	19.6	46.1*	45.2	-	-	-	48.9	
229.7	26.7	61.3*	66.6	-	-	67.8	242.8	16.3	44.3*	45.2	-	-	-	47.5	
242.8	23.1	58.9*	66.4	-	-	65.8	255.9	13.2	42.5*	45.2	-	-	-	45.9	
255.9	20.1	56.7*	65.3	-	-	63.9	269.0	10.6	40.8*	45.2	-	-	-	44.4	
269.0	17.2	54.5*	63.9	-	-	61.8	275.6	9.3	39.9*	45.0	-	-	-	43.7	
282.2	14.8	52.2*	62.4	-	-	59.5	282.2	-	39.0*	44.8	-	-	-	42.8	
288.7	13.7	51.4*	61.6	-	-	58.4	295.3	-	37.5*	43.9	-	-	-	41.2	
295.3	-	50.5*	60.8	-	-	57.3	308.4	-	35.9*	42.8	-	-	-	39.5	
301.8	-	49.4*	59.7	-	-	56.2	321.5	-	34.4*	41.7	-	-	-	37.7	
305.1	-	-	59.2	50.7	-	55.7	328.1	-	33.6*	41.0	31.7	-	-	36.8	
308.4	-	-	58.6	50.7	-	55.1	334.6	-	32.8*	40.3	31.7	-	-	35.9	
321.5	-	-	56.7	50.7	-	52.7	337.9	-	32.6*	40.0	31.7	-	-	35.5	
334.6	-	-	54.2	50.7	-	50.5	347.8	-	-	38.8	31.7	-	-	34.3	
347.8	-	-	51.8	50.3	-	48.3	360.9	-	-	37.5	31.7	-	-	32.6	
354.3	-	-	50.7	49.6	-	47.2	374.0	-	-	35.9	31.7	-	-	30.9	
360.9	-	-	-	48.9	-	45.9	387.1	-	-	34.4	31.5	-	-	29.1	
374.0	-	-	-	47.4	-	43.4	393.7	-	-	33.5	31.4	-	-	28.2	
387.1	-	-	-	45.2	-	40.6	400.3	-	-	-	31.3	-	-	27.2	
393.7	-	-	-	44.1	35.7	39.2	413.4	-	-	-	30.0	-	-	25.1	
400.3	-	-	-	43.0	35.7	37.9	423.2	-	-	-	29.0	20.1	-	23.6	
406.8	-	-	-	41.7	35.6	36.6	426.5	-	-	-	28.7	20.1	-	23.0	
413.4	-	-	-	-	35.5	35.3	439.6	-	-	-	26.9	19.8	-	20.8	
426.5	-	-	-	-	34.4	32.4	442.9	-	-	-	26.5	19.8	-	20.3	
439.6	-	-	-	-	32.6	29.0	452.8	-	-	-	-	19.6	-	18.7	
452.8	-	-	-	-	30.6	26.2	465.9	-	-	-	-	19.2	-	16.6	
465.9	-	-	-	-	-	19.0	479.0	-	-	-	-	17.9	-	14.0	
479.0	-	-	-	-	-	14.8	492.1	-	-	-	-	16.3	-	11.7	
492.1	-	-	-	-	-	10.8	502.0	-	-	-	-	-	-	9.5	
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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		118.1 ft						334.6 ft +	157.5 ft			
		SWSL_1		SFSL_1						SWSL_1	SFSL_1			
		ft	0 lb	ft	0 lb - 716,600 lb	ft	1,000 lb	ft	1,000 lb	ft	0 lb	0 lb - 716,600 lb	ft	
87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°	55°	15°		15°	
55.8	207.2	215.0	-	-	-	121.3	184.1*	-	-	-	-	121.3	184.1*	
59.1	207.2	212.7	-	-	-	146.6	199.5*	-	-	-	-	146.6	199.5*	
65.6	196.2	208.3	-	-	-	180.8	213.8*	-	-	-	-	180.8	213.8*	
72.2	180.8	213.8*	-	-	-	167.6	209.4*	-	-	-	-	167.6	209.4*	
78.7	167.6	209.4*	-	-	-	162.0	207.2*	-	-	-	-	162.0	207.2*	
82.0	162.0	207.2*	-	-	-	156.5	205.0*	-	-	-	-	156.5	205.0*	
85.3	156.5	205.0*	-	-	-	146.6	199.5*	-	-	-	-	146.6	199.5*	
91.9	146.6	199.5*	-	-	-	136.7	195.1*	-	-	-	-	136.7	195.1*	
98.4	136.7	195.1*	-	-	-	121.3	184.1*	-	-	-	-	121.3	184.1*	
111.5	121.3	184.1*	-	-	-	108.9	174.2*	-	-	-	-	108.9	174.2*	
124.7	108.9	174.2*	-	-	-	98.8	165.3*	-	-	-	-	98.8	165.3*	
137.8	98.8	165.3*	-	-	-	79.4*	158.7*	187.4	-	-	-	79.4*	158.7*	
150.9	79.4*	158.7*	187.4	-	-	162.0	207.2*	-	-	-	-	162.0	207.2*	
164.0	-	-	180.8	-	-	156.5	205.0*	-	-	-	-	156.5	205.0*	
177.2	-	-	172.0	-	-	146.6	199.5*	-	-	-	-	146.6	199.5*	
190.3	-	-	163.1	-	-	136.7	195.1*	-	-	-	-	136.7	195.1*	
203.4	-	-	153.2	-	-	121.3	184.1*	-	-	-	-	121.3	184.1*	
206.7	-	-	151.0	-	-	108.9	174.2*	-	-	-	-	108.9	174.2*	
216.5	-	-	-	-	-	98.8	165.3*	-	-	-	-	98.8	165.3*	
226.4	-	-	-	143.3	-	79.4*	158.7*	187.4	-	-	-	79.4*	158.7*	
229.7	-	-	-	142.2	-	162.0	207.2*	-	-	-	-	162.0	207.2*	
242.8	-	-	-	134.5	-	156.5	205.0*	-	-	-	-	156.5	205.0*	
255.9	-	-	-	125.7	-	146.6	199.5*	-	-	-	-	146.6	199.5*	
262.5	-	-	-	120.2	-	136.7	195.1*	-	-	-	-	136.7	195.1*	
269.0	-	-	-	-	-	121.3	184.1*	-	-	-	-	121.3	184.1*	
282.2	-	-	-	-	-	108.9	174.2*	-	-	-	-	108.9	174.2*	
292.0	-	-	-	-	106.9	98.3	94.6	96.1	91.6	82.7	74.7	67.2	60.2	
295.3	-	-	-	-	105.4	100.8	99.3	98.3	97.1	96.1	95.3	94.6	93.7	
308.4	-	-	-	-	-	106.9	112.1	110.2	110.2	109.1	108.2	107.4	106.5	105.6
315.0	-	-	-	-	-	105.4	105.4	105.4	105.4	104.5	103.6	102.7	101.8	100.9
321.5	-	-	-	-	-	98.3	98.3	98.3	98.3	97.8	96.9	96.0	95.1	94.2
334.6	-	-	-	-	-	94.6	94.6	94.6	94.6	93.7	92.8	91.9	91.0	90.1
347.8	-	-	-	-	-	91.6	91.6	91.6	91.6	90.7	89.8	88.9	88.0	87.1
360.9	-	-	-	-	-	82.7	82.7	82.7	82.7	81.8	80.9	80.0	79.1	78.2
374.0	-	-	-	-	-	74.7	74.7	74.7	74.7	73.8	72.9	72.0	71.1	70.2
387.1	-	-	-	-	-	67.2	67.2	67.2	67.2	66.3	65.4	64.5	63.6	62.7
400.3	-	-	-	-	-	60.2	60.2	60.2	60.2	59.3	58.4	57.5	56.6	55.7
410.1	-	-	-	-	-	50.3	50.3	50.3	50.3	49.4	48.5	47.6	46.7	45.8
						40.4	40.4	40.4	40.4	39.5	38.6	37.7	36.8	35.9
						33.7	33.7	33.7	33.7	32.8	31.9	31.0	30.1	29.2



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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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 +		196.9 ft						334.6 ft +		236.2 ft			
		SWSL_1		SFSL_1						SWSL_1		SFSL_1			
ft	ft	0 lb	0 lb	0 lb -716,600 lb	0 lb -716,600 lb	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
1,000 lb															
75.5	124.6	127.9	-	-	-	-	-	82.0	95.5	98.3	-	-	-	-	-
78.7	123.5	126.8	-	-	-	-	-	85.3	94.8	97.9	-	-	-	-	-
85.3	121.3	124.6	-	-	-	-	-	91.9	93.9	96.6	-	-	-	-	-
91.9	119.0	126.8*	-	-	-	-	-	98.4	92.8	95.2	-	-	-	-	-
98.4	114.6	124.6*	-	-	-	-	-	111.5	89.3	95.0*	-	-	-	-	-
108.3	104.1	122.1*	-	-	-	-	120.2	121.4	82.1	93.2*	-	-	-	-	92.2
111.5	100.5	121.3*	-	-	-	-	119.8	124.7	79.8	92.6*	-	-	-	-	91.9
124.7	88.8	116.8*	-	-	-	-	118.7	137.8	70.5	89.7*	-	-	-	-	91.1
137.8	79.1	112.4*	-	-	-	-	117.9	150.9	62.6	86.6*	-	-	-	-	90.0
150.9	70.8	107.8*	-	-	-	-	115.7	164.0	55.6	83.6*	-	-	-	-	88.6
164.0	63.5	103.2*	-	-	-	-	113.2	177.2	49.6	80.2*	-	-	-	-	86.6
177.2	57.3	98.5*	-	-	-	-	110.2	190.3	44.3	76.9*	-	-	-	-	84.5
183.7	54.6	96.3*	108.5	-	-	-	110.0	200.1	40.7	74.5*	80.9	-	-	-	83.0
190.3	51.8	94.1*	107.6	-	-	-	108.4	203.4	39.5	73.6*	80.9	-	-	-	82.4
203.4	47.2	90.2*	105.6	-	-	-	105.1	216.5	35.3	70.5*	80.0	-	-	-	80.0
213.3	43.9	87.5*	103.1	-	-	-	102.7	229.7	31.5	67.7*	78.5	-	-	-	77.5
216.5	35.1*	86.6*	102.3	-	-	-	101.9	242.8	28.2	64.8*	76.5	-	-	-	75.0
226.4	32.4*	84.2*	99.3	-	-	-	99.1	252.6	26.0	63.0*	74.4	-	-	-	73.0
229.7	-	-	98.3	-	-	-	98.2	255.9	18.3*	62.4*	73.6	-	-	-	72.3
242.8	-	-	94.1	-	-	-	94.4	262.5	17.2*	61.3*	72.3	-	-	-	70.9
255.9	-	-	89.9	-	-	-	90.4	269.0	-	-	71.0	-	-	-	69.3
269.0	-	-	85.5	84.2	-	-	86.2	282.2	-	-	68.1	-	-	-	66.2
282.2	-	-	80.9	82.2	-	-	82.2	292.0	-	-	65.8	61.1	-	-	64.0
295.3	-	-	-	79.1	-	-	78.0	295.3	-	-	65.0	61.1	-	-	63.3
308.4	-	-	-	75.4	-	-	73.9	308.4	-	-	61.9	60.0	-	-	60.2
321.5	-	-	-	71.2	-	-	69.9	321.5	-	-	58.6	58.6	-	-	57.0
334.6	-	-	-	66.8	-	-	65.5	334.6	-	-	-	56.0	-	-	54.0
337.9	-	-	-	65.7	-	-	64.4	347.8	-	-	-	53.1	-	-	50.8
347.8	-	-	-	-	59.3	-	61.1	360.9	-	-	-	50.0	-	-	47.4
360.9	-	-	-	-	56.7	56.7	56.7	374.0	-	-	-	47.0	40.8	43.7	
374.0	-	-	-	-	53.4	52.0	52.0	377.3	-	-	-	46.1	40.8	42.8	
387.1	-	-	-	-	49.6	47.5	47.5	387.1	-	-	-	-	39.7	40.3	
390.4	-	-	-	-	48.7	46.3	46.3	400.3	-	-	-	-	37.5	36.8	
400.3	-	-	-	-	-	43.0	43.0	413.4	-	-	-	-	35.1	33.3	
413.4	-	-	-	-	-	38.4	38.4	426.5	-	-	-	-	32.4	29.5	
426.5	-	-	-	-	-	33.7	33.7	439.6	-	-	-	-	-	25.6	
439.6	-	-	-	-	-	29.0	29.0	452.8	-	-	-	-	-	21.6	
452.8	-	-	-	-	-	24.3	24.3	465.9	-	-	-	-	-	17.8	
465.9	-	-	-	-	-	17.0	17.0	479.0	-	-	-	-	-	13.9	
479.0	-	-	-	-	-	11.1	11.1	492.1	-	-	-	-	-	9.9	
485.6	-	-	-	-	-	8.8	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 85°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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							
		334.6 ft +		275.6 ft				27.6 ft		32.2 ft/s		360°	
		SWSL_1		SFSL_1								75%	
ft	1,000 lb	ft	1,000 lb	ft	1,000 lb	ft	1,000 lb	ft	1,000 lb	ft	1,000 lb	ft	1,000 lb
91.9	70.8	73.4	-	-	-	-	-	59.1	186.3	190.7	-	-	-
98.4	70.1	72.5	-	-	-	-	-	65.6	181.9	186.3	-	-	-
111.5	68.8	71.9*	-	-	-	-	-	72.2	173.1	183.0	-	-	-
124.7	66.8	70.5*	-	-	-	-	-	78.7	159.8	188.5*	-	-	-
134.5	62.8	69.2*	-	-	-	68.3	-	85.3	148.8	184.1*	-	-	181.9
137.8	61.7	68.8*	-	-	-	68.1	-	91.9	138.9	179.7*	-	-	180.8
150.9	54.2	67.0*	-	-	-	67.4	-	98.4	131.2	175.3*	-	-	179.7
164.0	47.4	64.8*	-	-	-	66.5	-	111.5	115.7	166.4*	-	-	176.7
177.2	41.7	62.6*	-	-	-	65.5	-	124.7	104.1	156.5*	-	-	173.4
190.3	36.6	60.2*	-	-	-	63.8	-	137.8	94.1	148.8*	-	-	169.8
203.4	32.0	58.0*	-	-	-	62.3	-	150.9	74.3*	142.2*	-	-	164.6
216.5	28.0	55.8*	58.0	-	-	60.8	-	154.2	-	-	164.2	-	163.3
229.7	24.3	53.4*	58.0	-	-	59.1	-	164.0	-	-	159.8	-	159.4
242.8	20.9	50.9*	57.1	-	-	57.2	-	177.2	-	-	153.2	-	-
255.9	17.9	48.7*	56.0	-	-	55.1	-	190.3	-	-	144.4	-	147.3
269.0	15.2	46.7*	54.7	-	-	53.1	-	203.4	-	-	135.6	-	141.1
282.2	12.8	44.8*	52.9	-	-	50.9	-	213.3	-	-	129.0	-	136.1
292.0	10.4	43.4*	51.6	-	-	49.1	-	216.5	-	-	-	-	134.5
295.3	-	43.0*	51.1	-	-	48.5	-	229.7	-	-	-	-	127.1
301.8	-	42.3*	50.2	-	-	47.3	-	232.9	-	-	120.2	-	125.3
308.4	-	-	49.2	-	-	46.2	-	242.8	-	-	115.7	-	120.2
315.0	-	-	48.2	41.4	-	45.0	-	255.9	-	-	108.0	-	113.5
321.5	-	-	47.2	41.4	-	43.8	-	269.0	-	-	100.1	-	106.5
334.6	-	-	45.0	41.2	-	41.4	-	272.3	-	-	97.9	-	104.7
347.8	-	-	42.8	40.3	-	39.0	-	282.2	-	-	-	-	99.5
360.9	-	-	40.3	38.6	-	36.5	-	295.3	-	-	-	-	92.6
374.0	-	-	-	36.8	-	34.2	-	305.1	-	-	82.7	-	87.5
387.1	-	-	-	34.8	-	31.5	-	308.4	-	-	81.1	-	85.8
400.3	-	-	-	32.6	-	28.6	-	321.5	-	-	75.0	-	79.1
403.5	-	-	-	32.1	25.1	27.9	-	324.8	-	-	73.2	-	77.4
413.4	-	-	-	30.4	24.5	25.8	-	334.6	-	-	-	-	72.3
426.5	-	-	-	-	23.4	23.0	-	347.8	-	-	-	-	65.6
439.6	-	-	-	-	21.6	20.1	-	360.9	-	-	-	-	58.8
452.8	-	-	-	-	19.8	17.2	-	374.0	-	-	-	-	52.0
465.9	-	-	-	-	17.9	14.4	-	387.1	-	-	-	-	45.5
479.0	-	-	-	-	-	11.1	-	400.3	-	-	-	-	38.6
485.6	-	-	-	-	-	9.3	-	413.4	-	-	-	-	31.5
								426.5	-	-	-	-	23.7
								429.8	-	-	-	-	22.5

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 85°

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

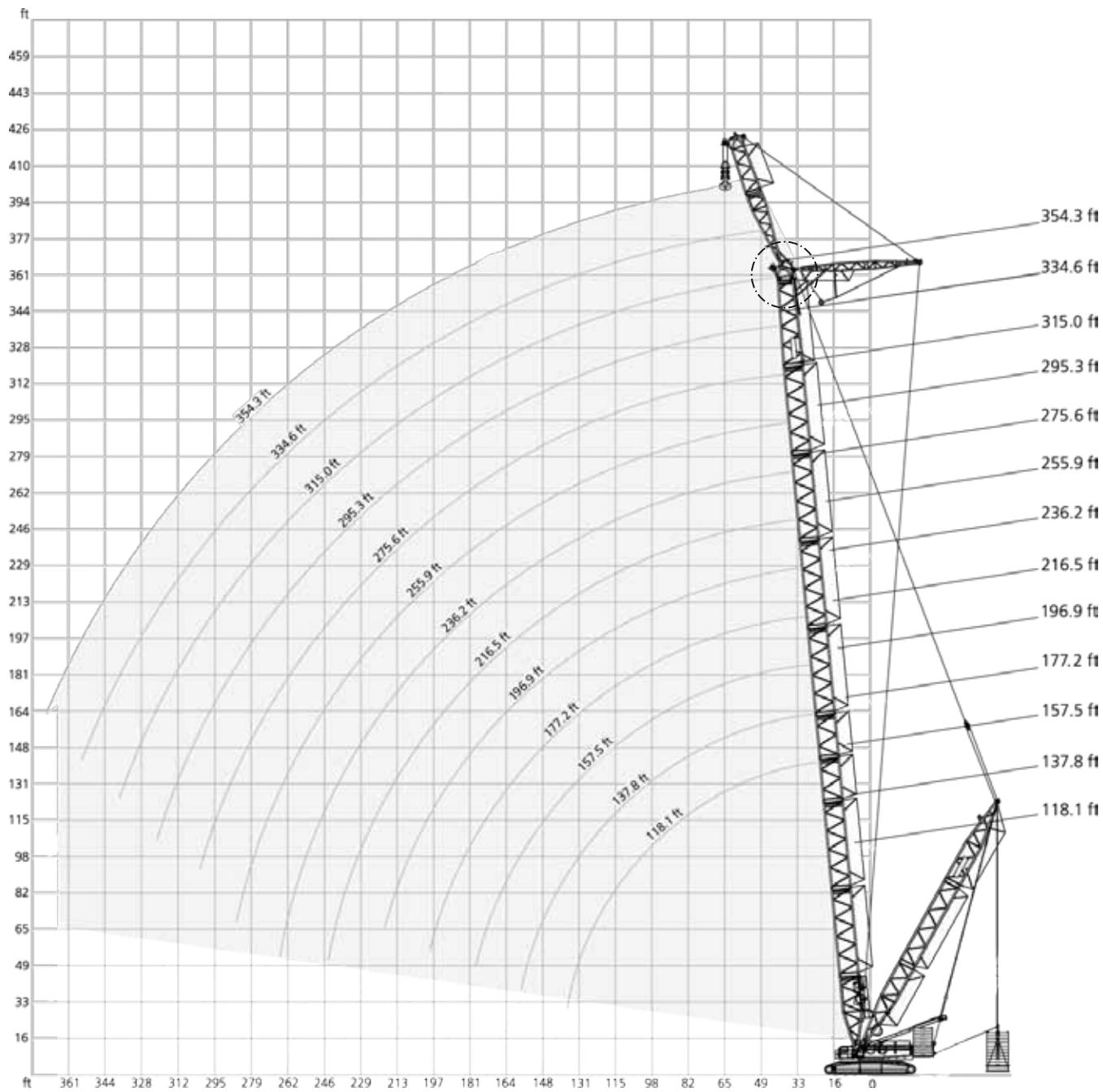
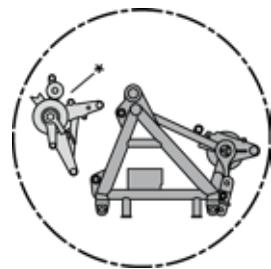
		363,800 lb +		110,200 lb		36.1-62.3 ft		27.6 ft	32.2 ft/s	360°	75%
		354.3 ft +		157.5 ft				354.3 ft +	196.9 ft		
		SWSL_1		SFSL_1				SWSL_1	SFSL_1		
		ft	0 lb	ft	0 lb - 716,600 lb	ft	1,000 lb	ft	0 lb	ft	1,000 lb
87°/85°	87°/85°	75°	65°	55°	15°	87°/85°	87°/85°	75°	65°	55°	15°
65.6	143.3	147.7	-	-	-	105.2	134.5*	111.3	114.6	-	-
72.2	142.2	145.5	-	-	-	93.3	127.9*	110.2	113.5	-	-
78.7	138.9	142.2	-	-	-	83.6	122.4*	109.3	111.3	-	-
85.3	134.5	145.5*	-	-	-	75.4	115.7*	107.6	110.2	-	-
91.9	126.8	142.2*	-	-	-	68.1	110.2*	105.2	111.3*	-	-
98.4	119.0	140.0*	-	-	-	65.1	108.0*	111.5	95.2	108.2*	-
111.5	105.2	134.5*	-	-	-	50.0	84.3*	84.2	104.5*	-	107.4
124.7	93.3	127.9*	-	-	-	47.4*	101.6*	124.7	75.0	100.1*	-
137.8	83.6	122.4*	-	-	-	44.1	79.8*	137.8	67.0	95.9*	-
150.9	75.4	115.7*	-	-	-	40.3	76.5*	150.9	60.0	91.5*	-
164.0	68.1	110.2*	-	-	-	38.0	74.5*	177.2	54.0	87.3*	-
170.6	65.1	108.0*	123.5	-	-	35.7	72.5*	187.0	50.0	84.3*	-
177.2	62.2	105.8*	122.4	-	-	33.6	70.5*	190.3	48.7	83.3*	-
190.3	47.4*	101.6*	117.9	-	-	31.5	68.5*	203.4	44.1	79.8*	-
203.4	-	-	112.4	-	-	29.4	66.5*	216.5	40.3	76.5*	-
216.5	-	-	107.4	-	-	27.3	64.5*	226.4	29.1*	74.5*	-
229.7	-	-	101.6	-	-	25.2	62.5*	229.7	-	-	85.9
242.8	-	-	95.7	-	-	23.1	60.5*	242.8	-	-	85.0
249.3	-	-	92.6	-	-	21.0	58.5*	255.9	-	-	81.2
255.9	-	-	-	92.2	-	19.9	56.5*	269.0	-	-	77.2
269.0	-	-	-	88.0	-	17.8	54.5*	278.9	-	-	72.9
282.2	-	-	-	82.9	-	15.7	52.5*	282.2	-	-	69.7
295.3	-	-	-	77.6	-	13.6	50.5*	288.7	-	-	68.7
308.4	-	-	-	72.1	-	11.5	48.5*	295.3	-	-	66.7
321.5	-	-	-	-	66.6	9.4	46.5*	308.4	-	-	64.6
331.4	-	-	-	-	61.3	7.3	44.5*	321.5	-	-	60.5
334.6	-	-	-	-	60.4	5.2	42.5*	334.6	-	-	56.3
347.8	-	-	-	-	56.2	3.1	40.5*	347.8	-	-	52.0
360.9	-	-	-	-	51.8	1.0	38.5*	360.9	-	-	47.8
364.2	-	-	-	-	50.7	0.9	36.5*	374.0	-	-	44.6
374.0	-	-	-	-	-	0.8	34.5*	387.1	-	-	43.6
387.1	-	-	-	-	-	0.7	32.5*	400.3	-	-	39.5
400.3	-	-	-	-	-	0.6	30.5*	413.4	-	-	35.3
413.4	-	-	-	-	-	0.5	28.5*	426.5	-	-	31.3
426.5	-	-	-	-	-	0.4	26.5*	439.6	-	-	27.1
439.6	-	-	-	-	-	0.3	24.5*	452.8	-	-	23.0
452.8	-	-	-	-	-	0.2	22.5*	465.9	-	-	19.0
465.9	-	-	-	-	-	0.1	20.5*	469.2	-	-	14.8

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 85°

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

15°



* 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 [716.6 klb]									
ft		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb	
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
59.1	-	-	328.5	765.0	315.3	765.0	304.2	765.0	291.0	734.1	280.0
65.6	-	-	291.0	765.0	277.8	765.0	266.8	765.0	255.7	720.9	246.9
72.2	-	-	255.7	765.0	246.9	765.0	238.1	765.0	227.1	712.1	220.5
78.7	-	-	222.7	765.0	220.5	758.4	213.8	754.0	203.9	705.5	197.3
82.0	212.7	738.5	210.0	735.2	207.2	729.7	202.3	725.3	194.0	698.9	186.8
85.3	199.5	709.9	197.3	705.5	194.0	701.1	190.7	696.7	184.1	692.3	176.4
91.9	178.6	657.0	175.3	652.6	172.0	646.0	168.7	641.5	165.3	639.3	158.7
98.4	159.8	608.5	156.5	604.1	153.2	599.7	149.9	595.2	146.6	590.8	143.3
111.5	131.9	520.3	128.6	530.6	125.3	526.2	122.1	521.8	119.1	517.4	116.8
124.7	108.9	439.5	105.5	465.2	101.7	461.5	98.3	457.8	95.2	453.4	93.3
137.8	90.8	366.0	87.1	407.9	82.5	405.7	78.3	403.4	74.7	399.0	72.5
150.9	77.0	308.6	72.7	349.1	68.0	363.0	63.7	359.4	59.9	356.4	57.7
164.0	64.4	252.1	60.2	298.4	55.4	321.1	51.0	321.1	47.0	318.2	44.7
167.3	61.5	238.1	57.5	287.7	52.7	310.9	48.3	313.1	44.2	309.7	41.9
177.2	-	-	49.6	255.7	44.5	280.0	40.1	288.8	35.9	284.4	33.5
183.7	-	-	45.2	240.3	40.4	259.4	35.9	274.1	31.7	271.9	29.2
190.3	-	-	-	-	36.3	241.8	31.7	259.4	27.4	259.4	24.8
200.1	-	-	-	-	30.4	218.3	25.9	235.9	21.5	240.9	18.8
203.4	-	-	-	-	-	-	24.3	227.1	19.8	234.8	17.0
210.0	-	-	-	-	-	-	20.9	210.9	16.4	222.7	13.6
216.5	-	-	-	-	-	-	17.6	200.6	13.0	210.5	10.1
223.1	-	-	-	-	-	-	-	-	10.1	195.1	-
229.7	-	-	-	-	-	-	-	-	-	182.6	-
232.9	-	-	-	-	-	-	-	-	-	178.6	-
242.8	-	-	-	-	-	-	-	-	-	-	189.0
252.6	-	-	-	-	-	-	-	-	-	-	170.9
255.9	-	-	-	-	-	-	-	-	-	-	-
269.0	-	-	-	-	-	-	-	-	-	-	155.4
	-	-	-	-	-	-	-	-	-	-	-
		0 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb			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																	
ft		0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb	0 lb	0lb- 716.6 klb
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

Notes to Lifting Capacity

CC 3800-1

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.

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.
Crawlers	Bending- and torsion-resistant welded structure of box type construction, fabricated of high-strength fine grain structural steel.
Crawler drive	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.
Assembly jacks	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: 315 kip per side.

Superstructure

Counterweight	452,000 lb (max. 496,100 lb) counterweight on superstructure combination with 110,200 lb central ballast. Steelbox type. Weight of counterweight blocks: 22,050 lb.
Total weight	Approx. 860,000 lb, incl. 363,800 lb counterweight, 78.7 ft SH_1 boom and hook block.
Travel speed on crawlers	Max. 0.68 mph.
Reeving winch	Mounted on superstructure.
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	Pump distribution gearbox with five variable displacement axial piston pumps, and gear pumps. Silencer with spark-arrestor. Sound insulation covering. 6 cylinder MTU diesel engine type 6R1300. Output: 390 kW (523 HP) at 1700 1/min, torque 2450 Nm (1807 lb-ft) at 1300 1/min each. The engine complies with EUROMOT 4, Tier 4 final and CARB regulations. The system is equipped with Ad-Blue and a SCR catalytic converter. Optional for non-regulated markets: 8 cylinder MTU diesel engine type OM 502 LA. Output: 405 kW (550 HP) at 1800 1/min, torque 2600 Nm at 1080 1/min each. The engine complies with EUROMOT 3a, EPA T3 and CARB regulations. 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 ft - 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
Cab	The crane is controlled by joystick levers ergonomically positioned in the crane cab. Wireless rigging remote control. Wireless emergency remote control. Comfortable cab with large windscreens and air condition. Shatterproof-glazing all around, roof window, self-contained hot air heater, full instrumentation and crane controls. Infinitely adjustable 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 (2 x batteries 12 V, 200 Ah).
Operator aids	Load moment indicator integrated in IC-1 control (load moment, radius, angles, engine and hydraulic system monitoring), hoist limit switch, limit switches for boom movements, hydraulic boom backstop, position light, anemometer.

Boom Combinations

See page 14-19.

Optional equipment

Hydraulic quick connection

Crawler pads 6.6 ft.

Quadro drive 2 drives for each crawler carrier 585 lbf tractive force – at reduced drive speed.

Alternative counterweights made of cast iron

Alternative counterweight segmentation

**22,050 lb + 16,540 lb or
22,050 lb + 33,080 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 Booster Kit Consists of 2 x 39.4 ft adapter sections and up to 7 x 39.4 ft inserts.
Available in length 78.7 ft, 157.5 ft, 196.9 ft, 275.6 ft, 354.3 ft.
Extension of Superlift mast from 118.1 ft to 129.6 or 137.8 ft.

Flex frame Infinite positioning of Superlift counterweight from 42.6 ft – 68.9 ft.

Split tray Superlift tray frame with removable platform underneath the center stack of counterweights (center stack max. 275,600 lb).

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 lb – 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 lb – 716,600 lb on counterweight tray, indefinitely variable from 36.1 ft – 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 lb – 716,600 lb on counterweight carrier with fixed mast radius approx. 52.5 ft; infinitely adjustable from 42.6 ft – 55.8 ft or 55.8 ft – 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.

9.8 ft intermediate section For 9.8 ft intermediate lengths.

September 2017. 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 corresponding Operator's Manual when using our equipment or to otherwise act responsibly 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, Demag and Above, Ahead, Always are trademarks of or licensed by Terex Corporation or its subsidiaries.

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TEREX CRANES GERMANY GMBH
Dinglerstraße 24
66482 Zweibrücken
Germany

E info.cranes@terex.com
T +49 6332 830

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