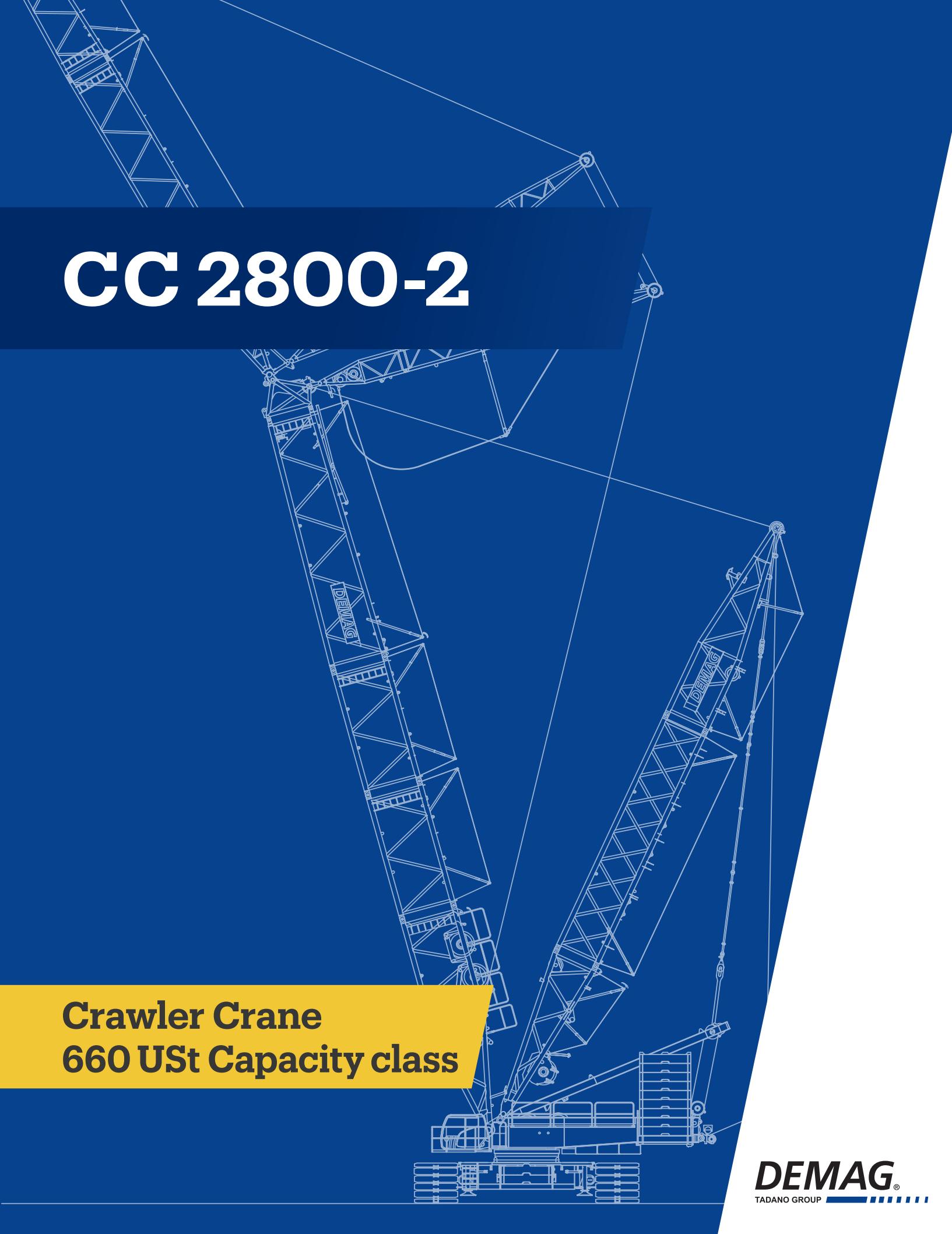


CC 2800-2

A technical line drawing of a DEMAG CC 2800-2 crawler crane is shown against a solid blue background. The crane is depicted from a side-on perspective, showing its long lattice boom, counterweight, and crawler base. The boom is angled upwards and to the right. The counterweight is visible at the rear of the boom. The crawler base is shown at the bottom of the crane. The DEMAG logo is visible on the boom and counterweight.

**Crawler Crane
660 USt Capacity class**

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 Main boom (SH, LH).....	 18
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Track



Counterweight + central ballast (ZB)



Superlift counterweight



Superlift radius



Possible load of hook block



Weight of hook block



Load radius



Main boom



Fly jib



Main boom angle



Fly jib angle



Wind speed in ft/s (feet per second)

„D“



S: heavy

L: light

H/HA: Main boom

HI: Luffing jib

MA: Mast

W: Luffing fly jib

F: Fixed fly jib

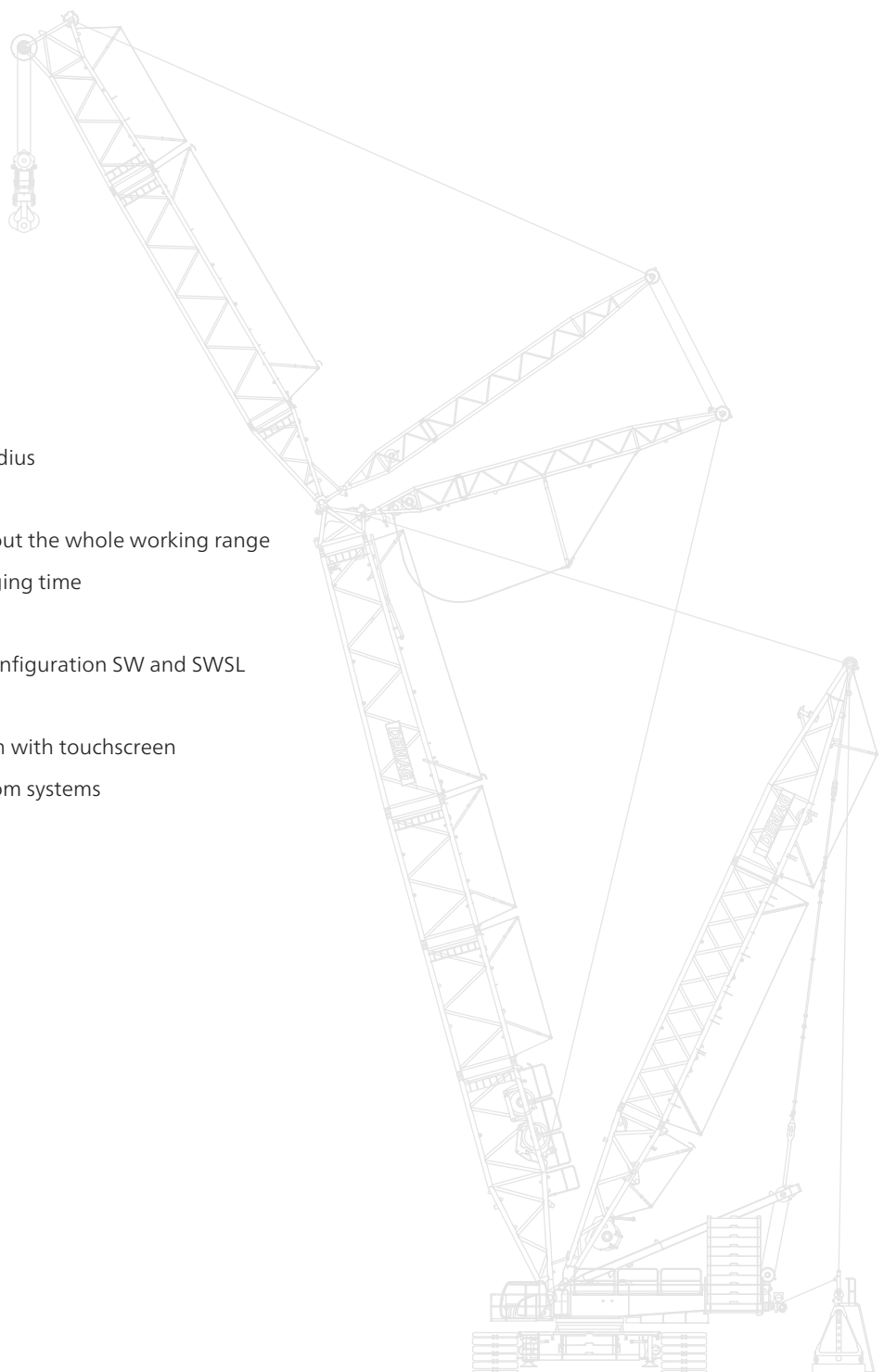
SL: Superlift

V: Vessellift



Central ballast (ZB)

- ▶ 660 USt lifting capacity at 32.8 ft radius
- ▶ Load moment of 56.135 ft-kips
- ▶ Excellent lifting capacities throughout the whole working range
- ▶ Very simple assembly and short rigging time
- ▶ Variable Superlift radius
- ▶ Variable offset of main boom for configuration SW and SWSL
- ▶ Power-Kit for main boom
- ▶ Innovative IC-1 crane control system with touchscreen
- ▶ Improved setup and rigging for boom systems
- ▶ Quadro-Drive on demand



Working speeds (infinitely variable)

Mechanism		Rope ø	Speeds ¹⁾	Single line pull ²⁾	Length of hoist rope
Hoist I	(H1)	28 mm	max. 426.5 ft / min	35.520 lbf	3281 ft
Hoist II	(H2)	28 mm	max. 426.5 ft / min	35.520 lbf	3281 ft
Boom derricking	(W2)	28 mm	max. 393.7 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

²⁾ without / with reeving effect considered

Carrier performance

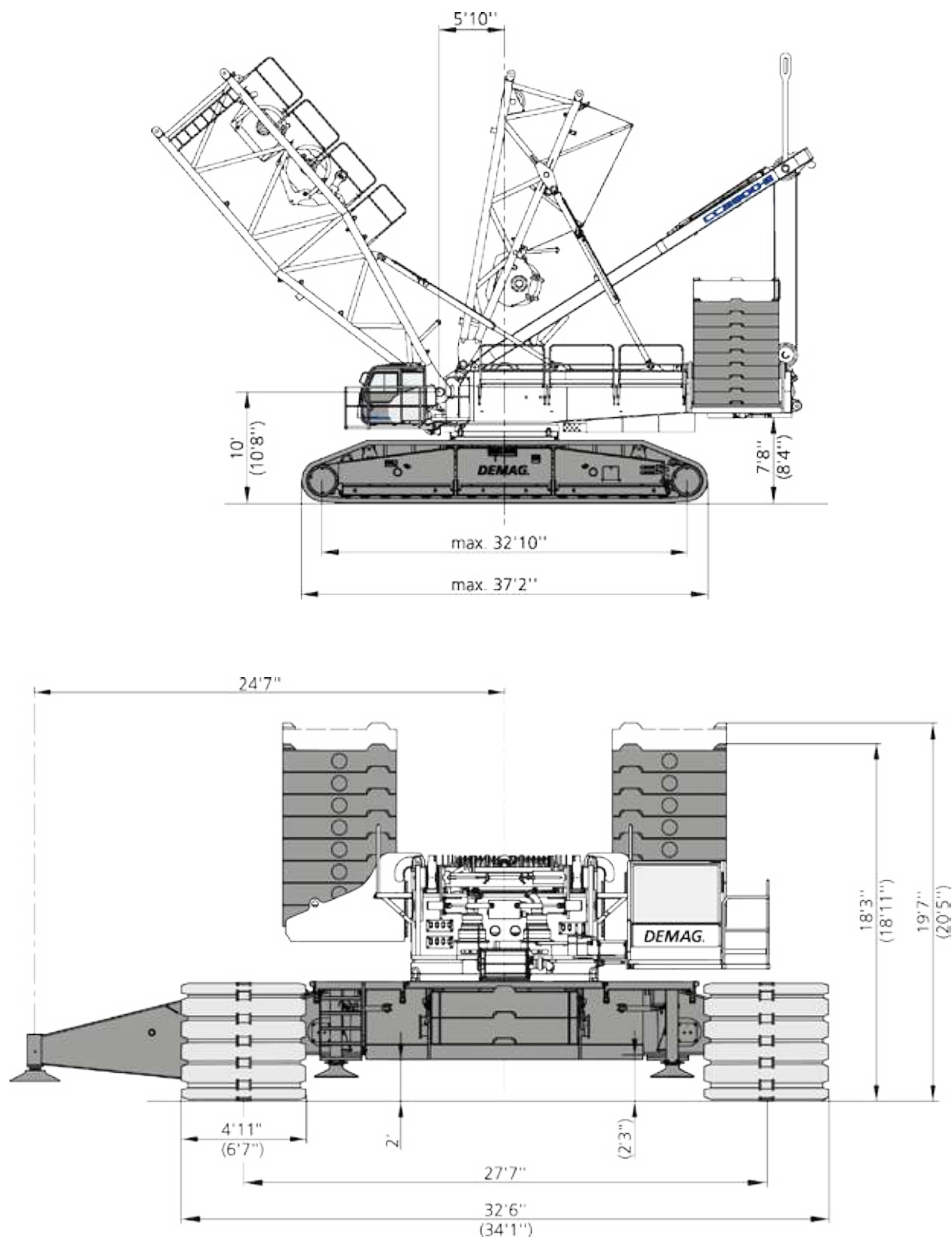
1 st gear	0 – 0.37 mph
2 nd gear	0 – 0.75 mph

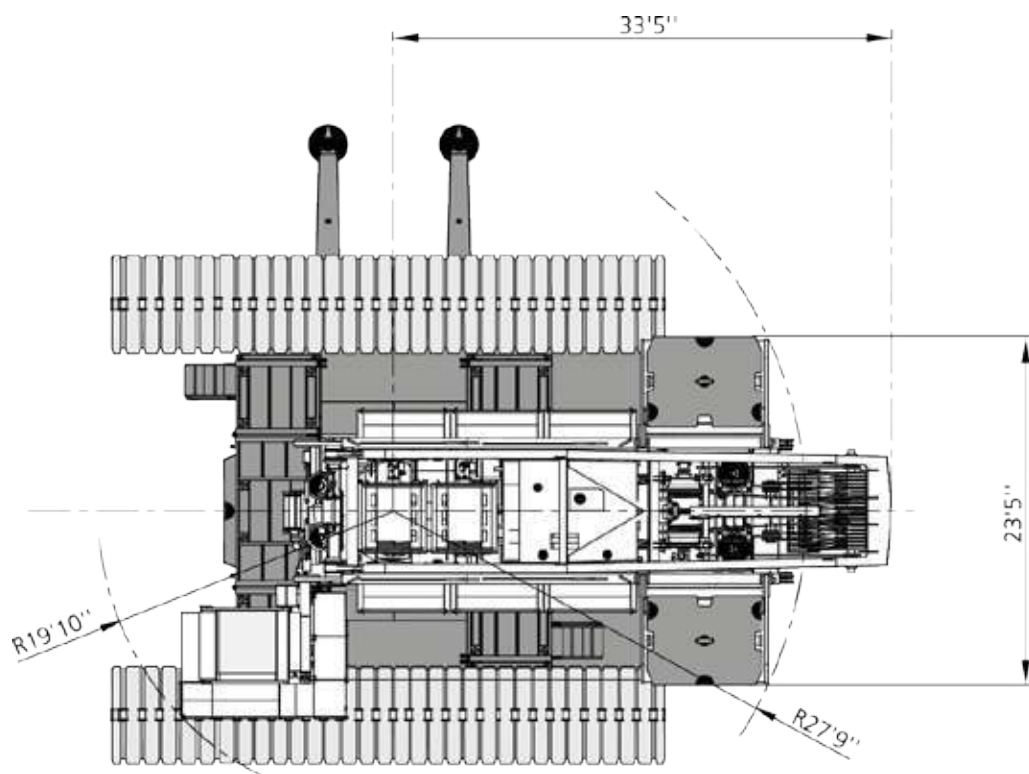
Hook block system

Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 300	1323,000 lb 545,000 lb	2 x 11 11	2 x 22 17	22,900 lb – 26,500 lb 15,700 lb – 17,400 lb	16.4 ft 17.7 ft
2 x 200	882,000 lb 432,200 lb	2 x 7 7	2 x 14 13	18,100 lb – 22,050 lb 11,700 lb – 13,700 lb	16.4 ft 17.7 ft
160	352,800 lb	5	11	7,900 lb / 11,250 lb / 14,600 lb	15.1 ft
110	242,600 lb	3	7	4,000 lb – 11,250 lb	15.1 ft
50	110,250 lb	1	3	2,430 lb – 7,280 lb	14.8 ft
16	35,300 lb	–	1	2,430 lb	12.8 ft

Basic crane dimensions

Basic crane dimensions with standard Superlift attachment



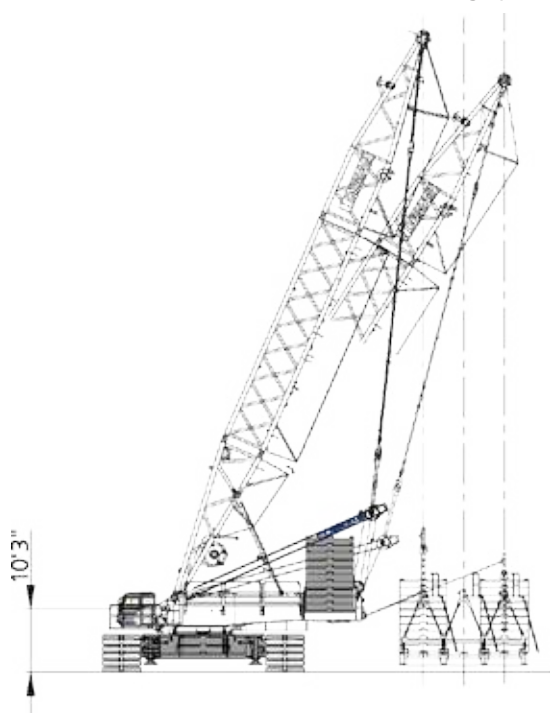


Superlift Configurations

CC 2800-2

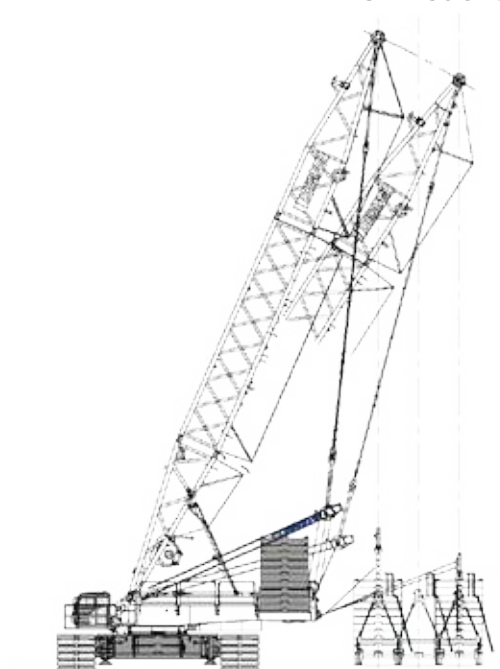
Standard-SL
36.1 ft / 42.7 ft / 49.2 ft

R 37.7 ft 50.9 ft
44.3 ft



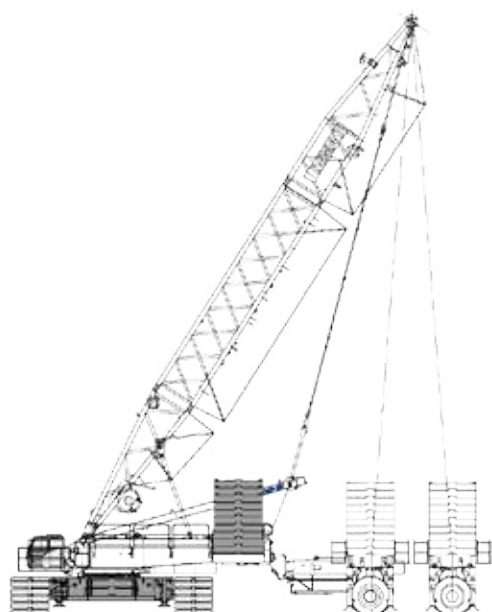
Vario-SL
36.1 ft – 49.2 ft

R 37.7-50.9 ft



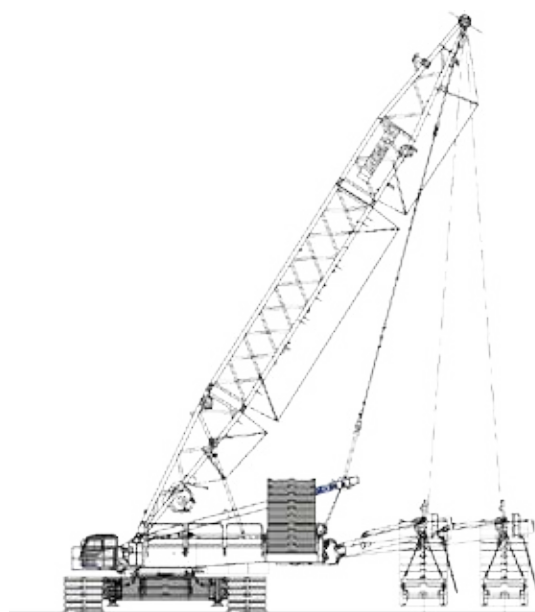
SL Carrier
42.7 ft – 55.8 ft

R 49.2 ft



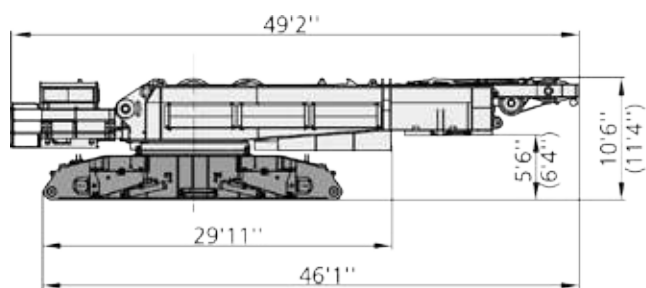
SL Tray
42.7 ft – 55.8 ft

R 49.2 ft

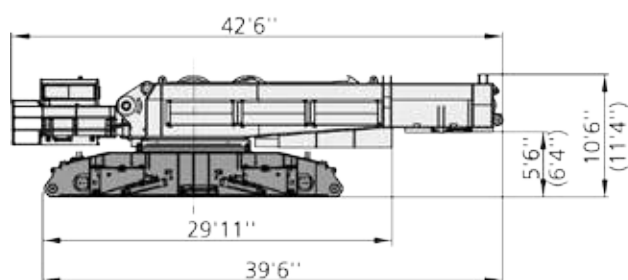


Weights

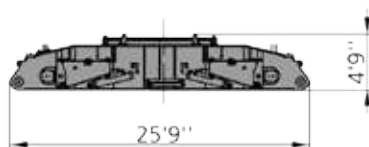
Total weight incl. 352,800 lb counterweight, 78.7 ft SH boom and hook block	793,800 lb
Superstructure (with 3 winches, A-frame, reeving drum)	144,700 lb
Superstructure (without drums H1/H2, reeving winch and A-frame) incl. part of quick-connection	85,330 lb
Carbody with assembly jacks excl. / incl. part of quick-connection	56,450 lb / 58,650 lb
Crawlers with standard drive (option: quadro drive)	83,350 lb (91,500 lb)
Counterweight	352,800 lb



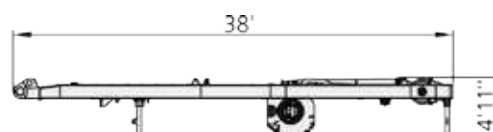
170,000 lb*



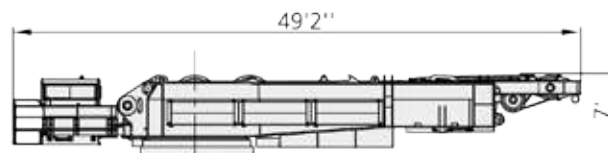
138,000 lb*



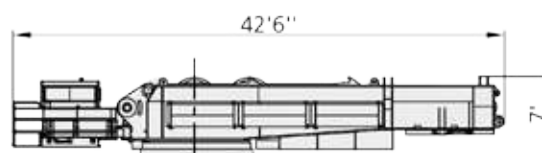
58,650 lb**



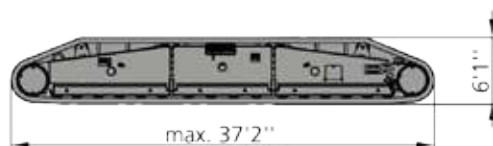
32,000 lb



117,300 lb**



85,330 lb**

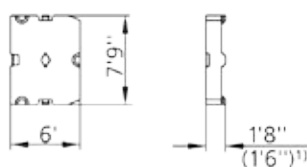


	Duo	Quadro
4.9 ft	83,350 lb	91,500 lb
6.6 ft	87,300 lb	95,500 lb

Without winches H1 + H2 (15,400 lb each)

* without quick-connection

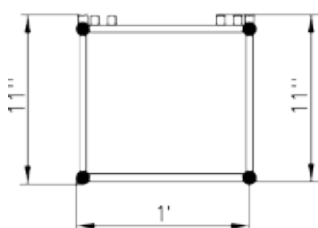
** with quick-connection



1) Optional cast iron

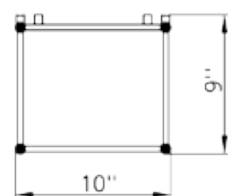
Main Boom (HA)

Type 2724



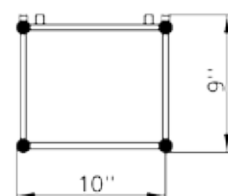
Jib (HI)

Type 2421



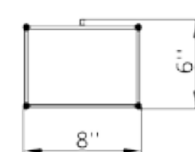
Superlift-Mast (MA)

Type M 2420



Fixed jib (LF)

Type 1813



Erection / lowering the boom systems

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				
SH_1		X	X	X	X	X	X	X	X	X	X	[X]	[X]	[X]	–	–				
LH_2		–	X	X	X	X	X	X	X	X	X	X	X	(X)	[X]	–				
LH_3		–	–	–	–	–	–	–	–	–	X	(X)	(X)	[X]	[X]	[X]				
SW_1  85°, 75°, 65°	78.7 ft	–	X	X	X	X	(X)	–	–	–	–	–	–	–	–	–				
	98.4 ft	–	X	X	X	X	(X)	[X]	[X]	–	–	–	–	–	–	–				
	118.1 ft	–	X	X	X	X	(X)	[X]	[X]	–	–	–	–	–	–	–				
	137.8 ft	–	X	X	X	X	X	[X]	[X]	–	–	–	–	–	–	–				
	157.5 ft	–	X	X	X	X	X	[X]	[X]	–	–	–	–	–	–	–				
	177.2 ft	–	X	X	X	X	X	[X]	[X]	–	–	–	–	–	–	–				
	196.9 ft	–	X	X	X	X	X	[X]	[X]	–	–	–	–	–	–	–				
	216.5 ft	–	X	X	X	X	(X)	[X]	[X]	–	–	–	–	–	–	–				
	236.2 ft	–	X	X	X	X	(X)	[X]	[X]	–	–	–	–	–	–	–				
	255.9 ft	–	X	X	X	X	(X)	[X]	[X]	–	–	–	–	–	–	–				
275.6 ft	–	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]	–	–	–	–				
	78.7 ft	–	X	X	X	X	X	X	X	X	(X)	[X]	–	–	–	–				
	118.1 ft	–	X	X	X	X	X	X	X	(X)	[X]	[X]	–	–	–	–				
LH+LF_2  10°/15°/20°/30°	39.4 ft	–	–	–	–	–	–	–	X	X	X	(X)	[X]	[X]	[X]	–				
	78.7 ft	–	–	–	–	–	–	–	X	X	X	(X)	[X]	[X]	[X]	–				
LH+LF_2  10°/20°/30°	118.1 ft	–	–	–	–	–	–	–	X	X	(X)	[X]	[X]	[X]	[X]	–				
LH+LF_3  10°/15°/20°	39.4 ft	–	–	–	–	–	–	–	–	–	(X)	[X]	[X]	[X]	[X]	–				
		98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0	393.7	413.4	433.1	452.8
SSL_1		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	
LSL_3		–	–	–	–	–	–	–	X	X	X	X	X	X	X	X	X	X	X	
LSL_4		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	
SWSL_1  85°, 75°, 65°, 55°	78.7 ft	–	X	X	X	X	X	X	–	–	–	–	–	–	–	–	–	–	–	
	98.4 ft	–	X	X	X	X	X	X	X	–	–	–	–	–	–	–	–	–	–	
	118.1 ft - 315.0 ft	–	X	X	X	X	X	X	X	X	X	X	–	–	–	–	–	–	–	
SWSL_2  85°, 75°, 65° 55°	78.7 ft	–	–	–	–	X	X	X	X	–	–	–	–	–	–	–	–	–	–	
	98.4 ft	–	–	–	–	X	X	X	X	X	–	–	–	–	–	–	–	–	–	
	118.1 ft	–	–	–	–	X	X	X	X	X	X	X	X	–	–	–	–	–	–	
	137.8 ft - 196.9 ft	–	–	–	–	X	X	X	X	X	X	X	X	X	–	–	–	–	–	
	216.5 ft - 275.6 ft	–	–	–	–	X	X	X	X	X	X	X	X	–	–	–	–	–	–	
	295.3 ft - 315.0 ft	–	–	–	–	X	X	X	X	X	X	–	–	–	–	–	–	–	–	
SSL+LF_1  10°/15°/20°	39.4 ft - 118.1 ft	–	X	X	X	X	X	X	X	X	X	X	–	–	–	–	–	–	–	
LSL+LF_2  10°/15°/20°/30°	39.4 ft	–	–	–	–	–	–	–	–	–	X	X	X	X	X	X	X	X	X	
LSL+LF_2  10°/20°/30°	78.7 ft / 118.1 ft	–	–	–	–	–	–	–	–	–	X	X	X	X	X	X	X	X	X	
LSL+LF_3  10°/15°/20°	39.4 ft	–	–	–	–	–	–	–	X	X	X	X	X	X	X	X	X	X	X	
LSL+LF_4  10°/15°	49.2 ft	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	
LVSL_1	39.4 ft	–	–	X	X	X	X	X	X	X	–	–	–	–	–	–	–	–	–	

X without assisting equipment

(X) idler wheel supported

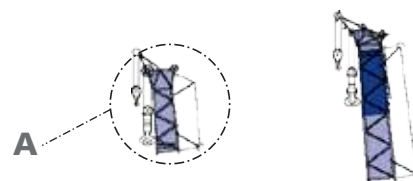
[X] with additional side jack

Boom Combinations

CC 2800-2

■ Type 2724
■ Type 2421

Runner
66,150 lb / 132,300 lb



Boom Combinations

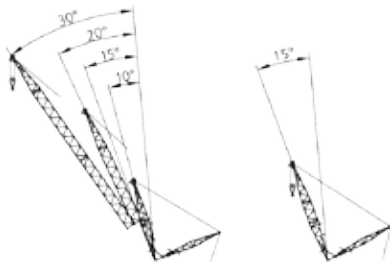
CC 2800-2

■ Type 2724
■ Type 2421

Runner
66,150 lb / 132,300 lb



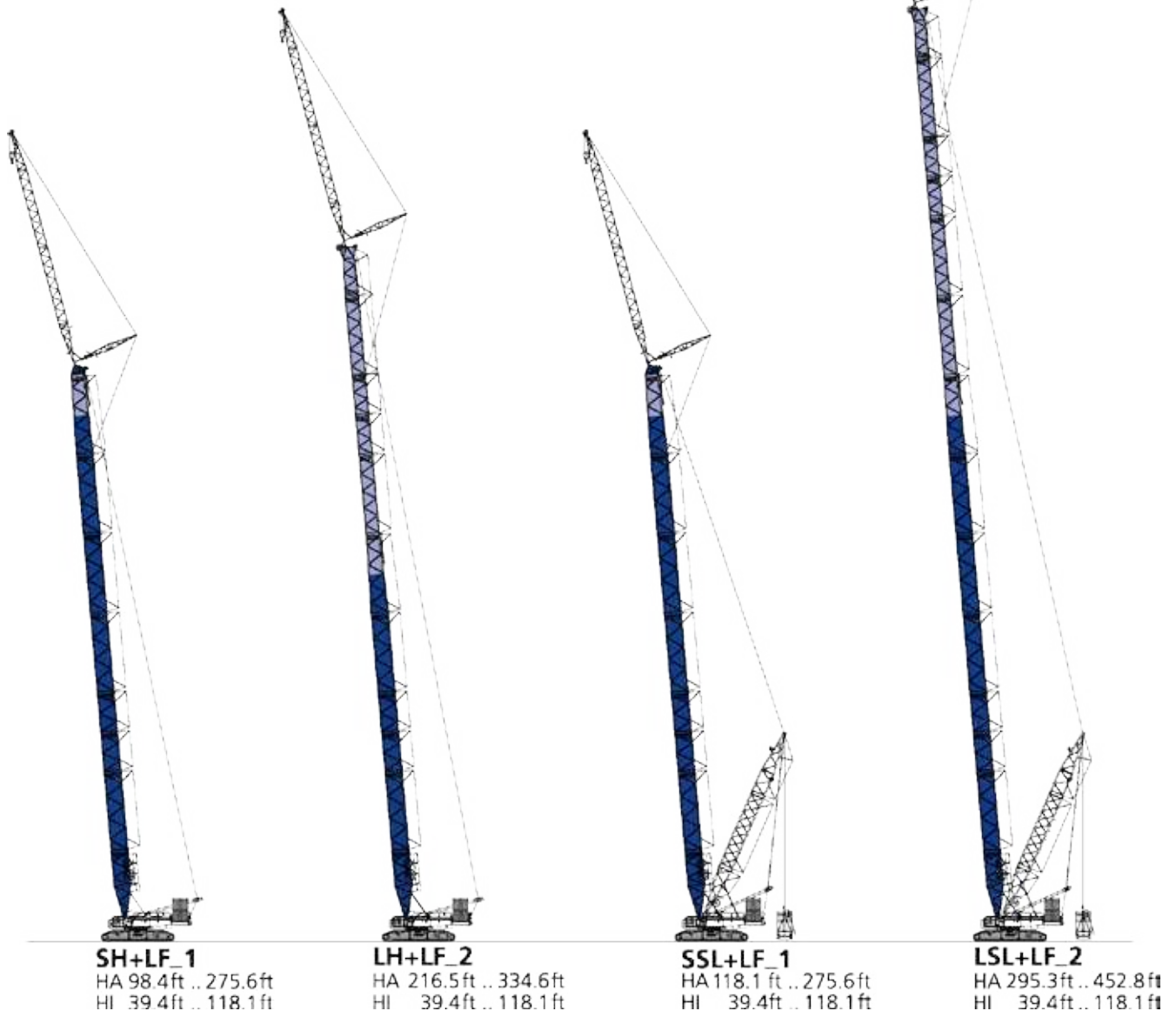
Option LF2



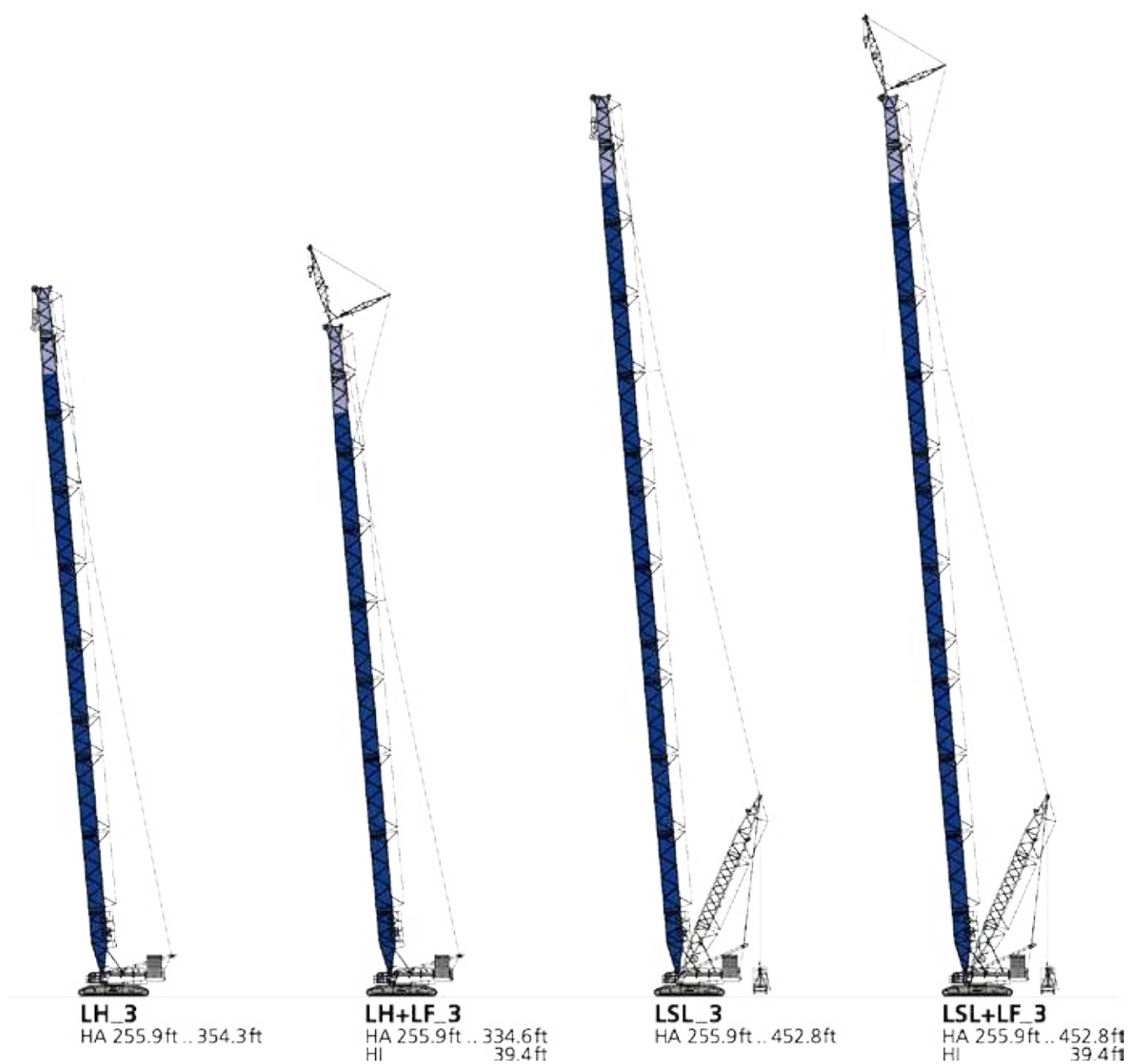
39.4 ft, 49.2 ft: 10°, 15°, 20°
78.7 ft, 118.1 ft: 10°, 20°, 30°

■ Type 2724
■ Type 2421

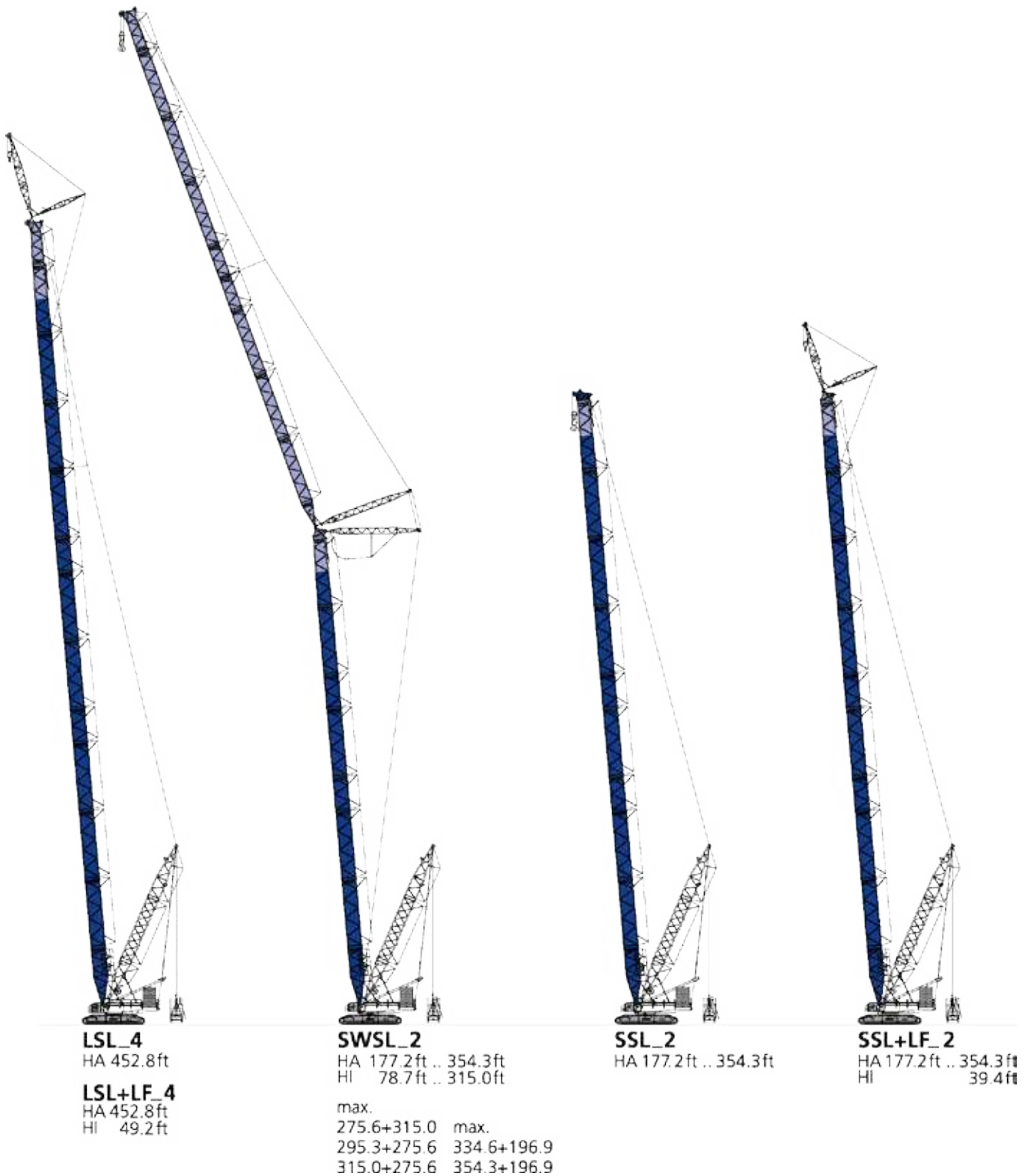
Option Runner for LF 33,080 lb

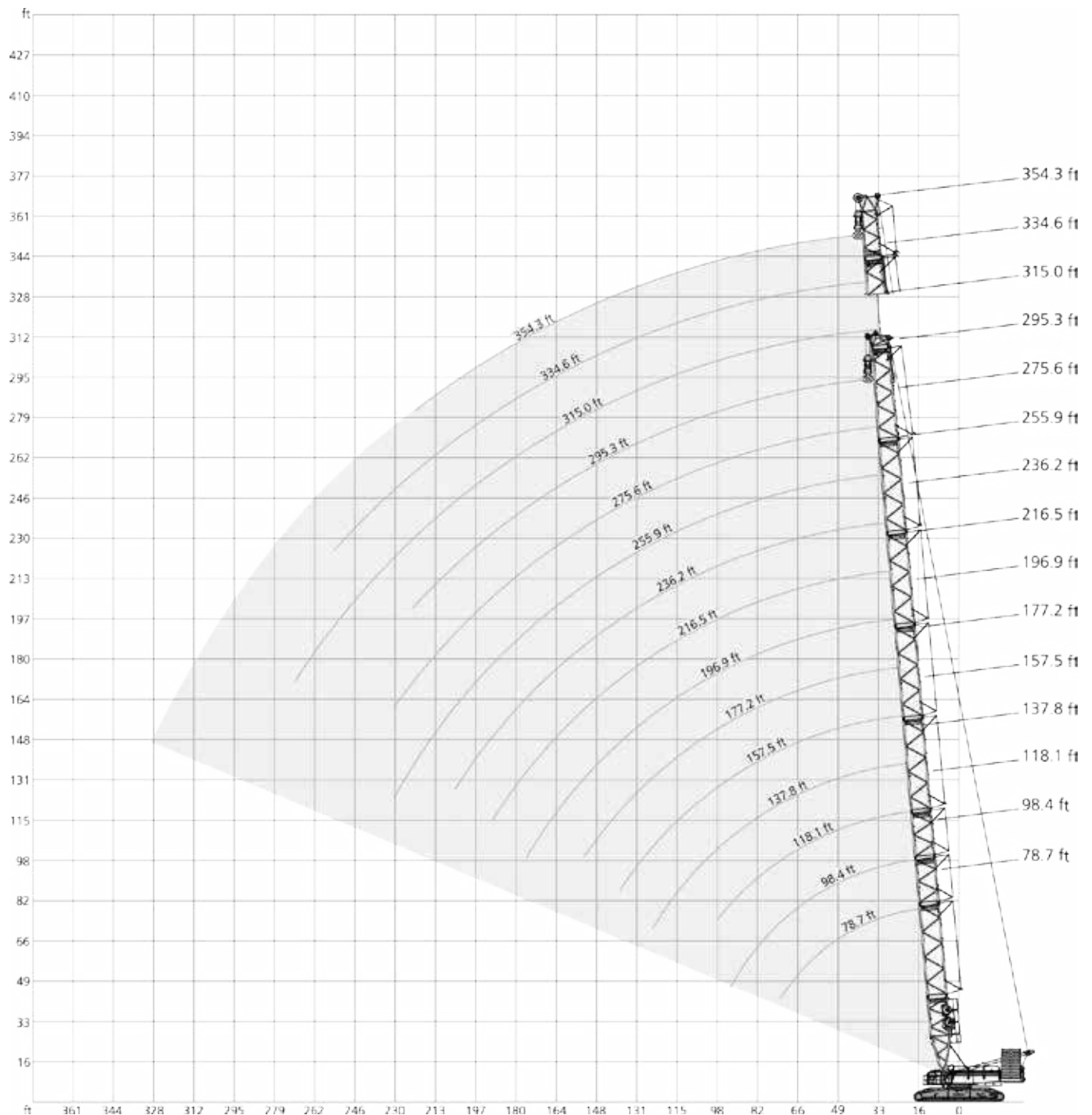


■ Type 2724
■ Type 2421



■ Type 2724
■ Type 2421





 132,300 lb		 27.6 ft		 32.2 ft / s		360°		75%							
SH_1															
 ft	 ft	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	 ft
1,000 lb															
19.7	1322.8	-	-	-	-	-	-	-	-	-	-	-	-	-	19.7
23.0	1236.8	1221.4	1172.9	-	-	-	-	-	-	-	-	-	-	-	23.0
26.2	1117.7	1056.0	983.3	917.1	859.8	-	-	-	-	-	-	-	-	-	26.2
29.5	961.2	899.5	844.4	793.7	749.6	707.7	670.2	-	-	-	-	-	-	-	29.5
32.8	815.7	782.6	738.5	698.9	661.4	628.3	597.5	571.0	544.5	-	-	-	-	-	32.8
39.4	590.8	590.8	588.6	560.0	535.7	511.5	489.4	469.6	449.7	432.1	414.5	379.2	321.9	39.4	
45.9	460.8	460.8	456.4	458.6	445.3	429.9	412.3	396.8	381.4	366.0	352.7	339.5	321.9	45.9	
52.5	374.8	374.8	370.4	370.4	368.2	368.2	352.7	341.7	328.5	317.5	304.2	293.2	282.2	52.5	
59.1	315.3	313.1	310.9	310.9	308.6	306.4	304.2	297.6	286.6	277.8	266.8	257.9	246.9	59.1	
65.6	271.2	269.0	264.6	264.6	262.4	262.4	257.9	257.9	253.5	244.7	235.9	227.1	219.4	65.6	
72.2	235.9	233.7	231.5	229.3	227.1	227.1	222.7	222.7	220.5	218.3	210.5	202.8	195.1	72.2	
78.7	-	207.2	202.8	202.8	199.5	198.4	196.2	195.1	192.9	191.8	188.5	181.9	175.3	78.7	
85.3	-	185.2	180.8	179.7	177.5	176.4	173.1	172.0	169.8	168.7	165.3	164.2	157.6	85.3	
91.9	-	166.4	162.0	160.9	158.7	156.5	154.3	153.2	151.0	149.9	146.6	145.5	142.2	91.9	
98.4	-	-	146.6	145.5	142.2	141.1	137.8	136.7	134.5	133.4	130.1	129.0	126.8	98.4	
111.5	-	-	-	120.2	116.8	115.7	112.4	111.3	109.3	108.2	105.2	104.1	100.3	111.5	
124.7	-	-	-	102.7	98.8	97.0	93.9	92.6	89.7	88.4	84.4	83.1	79.4	124.7	
137.8	-	-	-	-	84.4	82.0	78.5	76.9	73.6	72.1	68.1	66.8	62.8	137.8	
150.9	-	-	-	-	-	69.9	65.9	63.9	60.6	59.1	54.9	53.6	49.6	150.9	
164.0	-	-	-	-	-	-	55.6	53.6	50.0	48.3	44.3	42.8	38.8	164.0	
177.2	-	-	-	-	-	-	47.4	45.0	41.2	39.5	35.3	33.7	29.8	177.2	
190.3	-	-	-	-	-	-	-	37.9	34.0	32.0	27.8	26.0	22.0	190.3	
203.4	-	-	-	-	-	-	-	-	27.8	25.6	21.4	19.6	15.7	203.4	
213.3	-	-	-	-	-	-	-	-	-	21.6	17.2	15.4	11.2	213.3	
216.5	-	-	-	-	-	-	-	-	-	20.3	15.9	14.1	-	216.5	
223.1	-	-	-	-	-	-	-	-	-	18.1	13.6	11.5	-	223.1	
229.7	-	-	-	-	-	-	-	-	-	15.9	11.2	-	-	229.7	

		 27.6 ft		 32.2 ft /s		360°		75%								
SH_1																
	 ft	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0		
ft		1,000 lb														ft
19.7	1247.8	-	-	-	-	-	-	-	-	-	-	-	-	-	19.7	
23.0	1106.7	1067.0	978.9	-	-	-	-	-	-	-	-	-	-	-	23.0	
26.2	952.4	881.8	817.9	762.8	714.3	-	-	-	-	-	-	-	-	-	26.2	
29.5	800.3	749.6	701.1	659.2	621.7	586.4	555.6	-	-	-	-	-	-	-	29.5	
32.8	676.8	650.4	612.9	579.8	549.0	520.3	493.8	471.8	447.5	-	-	-	-	-	32.8	
39.4	489.4	489.4	487.2	463.0	440.9	423.3	403.4	385.8	368.2	352.7	337.3	324.1	308.6	39.4		
45.9	381.4	379.2	377.0	377.0	368.2	352.7	337.3	324.1	310.9	297.6	286.6	275.6	262.4	45.9		
52.5	308.6	306.4	304.2	304.2	302.0	299.8	288.8	277.8	266.8	255.7	244.7	235.9	227.1	52.5		
59.1	257.9	255.7	253.5	253.5	251.3	249.1	246.9	240.3	231.5	222.7	213.8	206.1	197.3	59.1		
65.6	220.5	219.4	216.1	216.1	212.7	212.7	209.4	209.4	203.9	196.2	188.5	180.8	173.1	65.6		
72.2	192.9	190.7	187.4	186.3	184.1	183.0	179.7	179.7	177.5	174.2	166.4	159.8	152.1	72.2		
78.7	-	167.6	164.2	163.1	159.8	158.7	156.5	155.4	153.2	152.1	147.7	142.2	135.6	78.7		
85.3	-	148.8	145.5	144.4	141.1	140.0	137.8	136.7	134.5	133.4	130.1	126.8	120.2	85.3		
91.9	-	133.4	130.1	127.9	125.7	124.6	121.3	120.2	117.9	116.8	113.5	112.4	108.0	91.9		
98.4	-	-	116.8	115.7	112.4	110.2	108.2	107.1	104.7	103.8	100.5	99.2	95.7	98.4		
111.5	-	-	-	95.0	91.5	89.9	87.1	85.5	82.7	81.1	77.4	76.1	72.3	111.5		
124.7	-	-	-	79.6	75.6	73.4	69.9	68.3	65.3	63.7	60.0	58.6	54.7	124.7		
137.8	-	-	-	-	63.1	60.4	56.4	54.9	51.6	50.0	46.1	44.8	41.0	137.8		
150.9	-	-	-	-	-	50.0	45.9	44.1	40.8	39.2	35.1	33.7	29.8	150.9		
164.0	-	-	-	-	-	-	37.5	35.5	32.0	30.2	26.2	24.5	20.7	164.0		
177.2	-	-	-	-	-	-	30.6	28.2	24.7	22.7	18.7	17.0	13.0	177.2		
180.4	-	-	-	-	-	-	-	26.8	23.1	21.2	17.1	15.4	11.5	180.4		
187.0	-	-	-	-	-	-	-	23.9	20.1	18.1	13.9	12.1	-	187.0		
190.3	-	-	-	-	-	-	-	22.5	18.5	16.5	12.3	-	-	190.3		
203.4	-	-	-	-	-	-	-	-	13.4	11.2	-	-	-	203.4		

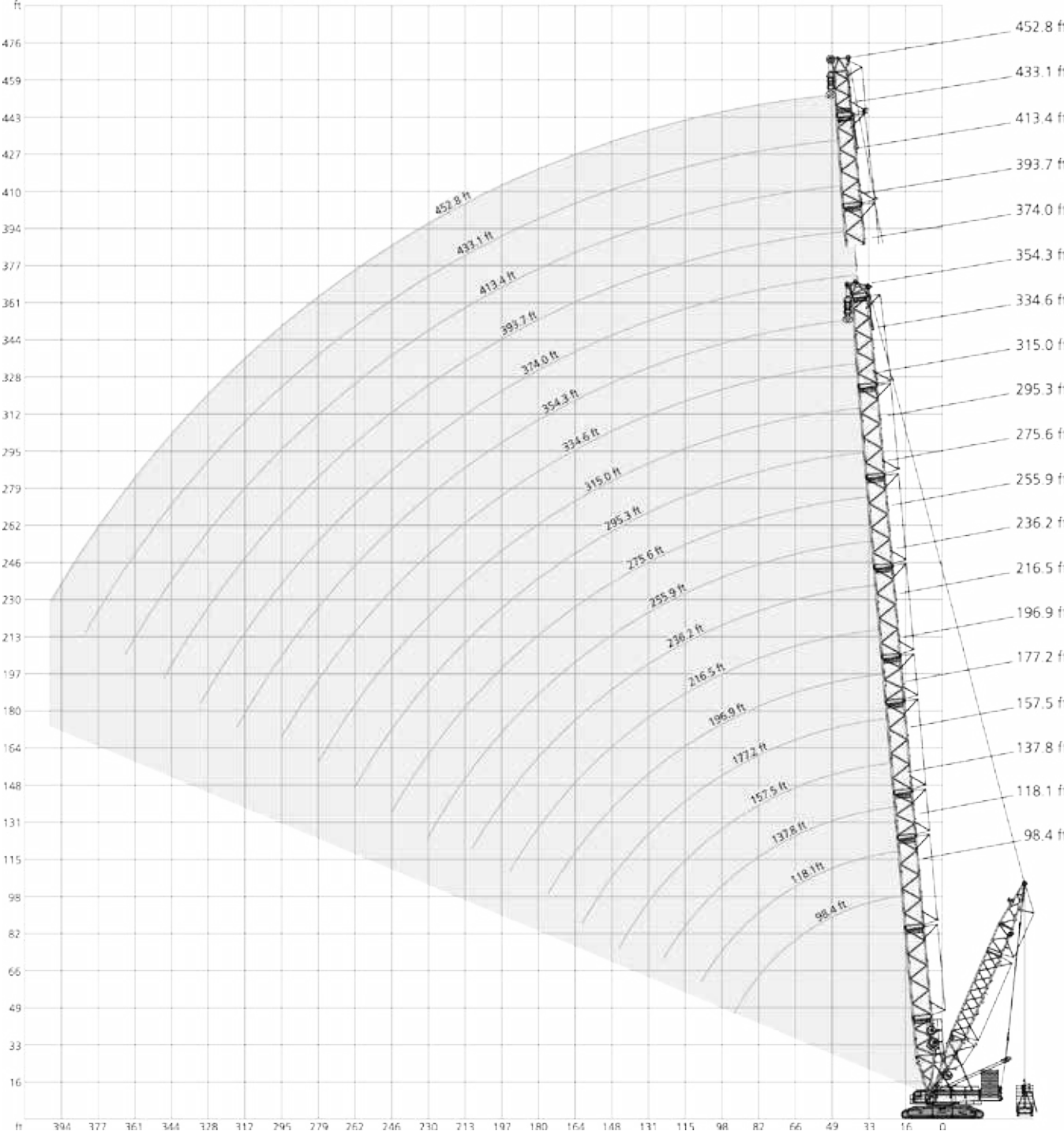
 308,700 lb  352,800 lb  396,900 lb

 +  132,300 lb				 27.6 ft				 32.2 ft /s				360°				75%				
 ft	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	
	LH_2								LH_3	LH_2	LH_3	LH_2	LH_3	LH_2	LH_3	LH_2	LH_3	LH_2	LH_3	
ft	1,000 lb																			
19.7	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23.0	661.4	661.4	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26.2	661.4	661.4	661.4	661.4	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29.5	661.4	661.4	661.4	661.4	661.4	646.0	643.8	-	-	-	-	-	-	-	-	-	-	-	-	
32.8	661.4	659.2	661.4	661.4	637.1	606.3	577.6	549.0	445.3	489.4	-	-	-	-	-	-	-	-	-	
36.1	631.6	627.2	615.1	603.0	578.7	552.3	526.9	503.8	443.1	464.1	-	458.6	-	-	-	-	-	-	-	
39.4	601.9	595.2	568.8	544.5	520.3	498.2	476.2	458.6	440.9	438.7	372.6	421.1	339.5	403.4	302.0	350.5	-	-	-	
42.7	536.8	532.4	518.1	500.4	478.4	459.7	439.8	424.4	409.0	405.7	351.6	390.2	339.5	374.8	302.0	341.7	-	319.7	-	
45.9	471.8	469.6	467.4	456.4	436.5	421.1	403.4	390.2	377.0	372.6	330.7	359.4	339.5	346.1	302.0	332.9	238.1	319.7	-	
52.5	385.8	383.6	381.4	379.2	374.8	361.6	348.3	337.3	328.5	324.1	293.2	313.1	306.4	299.8	280.0	291.0	218.3	277.8	-	
59.1	324.1	324.1	321.9	317.5	315.3	313.1	306.4	297.6	288.8	284.4	262.4	273.4	271.2	264.6	260.1	255.7	200.6	244.7	-	
65.6	280.0	277.8	275.6	273.4	269.0	266.8	264.6	262.4	255.7	251.3	235.9	242.5	240.3	233.7	233.7	227.1	185.2	218.3	-	
72.2	244.7	242.5	240.3	238.1	233.7	231.5	229.3	229.3	229.3	224.9	211.6	218.3	217.2	209.4	210.5	202.8	172.0	195.1	-	
78.7	218.3	216.1	212.7	210.5	207.2	205.0	201.7	200.6	201.7	197.3	191.8	196.2	196.2	188.5	189.6	183.0	158.7	175.3	-	
85.3	195.1	192.9	190.7	187.4	184.1	181.9	178.6	177.5	178.6	174.2	176.4	173.1	177.5	170.9	173.1	165.3	149.9	158.7	-	
91.9	177.5	174.2	172.0	168.7	165.3	163.1	159.8	158.7	159.8	155.4	158.7	153.2	157.6	151.0	157.6	149.9	141.1	143.3	-	
98.4	-	158.7	155.4	152.1	148.8	146.6	143.3	142.2	143.3	138.9	142.2	137.8	142.2	135.6	141.1	133.4	132.3	130.1	-	
111.5	-	-	130.1	126.8	123.5	121.3	117.9	116.8	117.9	113.5	116.8	111.3	115.7	109.8	114.6	107.8	114.6	105.8	-	
124.7	-	-	111.3	108.7	105.2	102.3	98.8	98.1	98.3	94.1	97.4	92.4	96.8	89.7	95.7	87.5	95.5	85.1	-	
137.8	-	-	-	93.9	90.2	87.3	83.8	82.9	83.1	78.3	82.0	76.3	81.1	73.4	79.8	71.2	79.6	68.6	-	
150.9	-	-	-	-	78.5	75.4	71.2	70.1	70.1	65.3	69.0	63.1	67.9	60.2	66.6	57.8	66.1	55.3	-	
164.0	-	-	-	-	-	65.5	60.8	59.5	59.5	54.5	58.2	52.2	57.1	49.4	55.8	47.0	55.1	44.3	-	
177.2	-	-	-	-	-	57.3	52.5	50.9	50.7	45.6	49.2	43.4	48.1	40.3	46.5	37.9	46.1	35.3	-	
190.3	-	-	-	-	-	-	45.4	43.7	43.2	38.4	41.7	35.7	40.3	32.6	38.8	30.2	38.4	27.6	-	
203.4	-	-	-	-	-	-	-	37.7	36.8	32.0	35.1	29.5	33.7	26.2	32.4	23.8	31.5	20.9	-	
216.5	-	-	-	-	-	-	-	-	31.5	26.9	29.8	24.0	28.2	20.5	26.7	18.1	25.8	15.2	-	
219.8	-	-	-	-	-	-	-	-	30.4	25.7	28.4	22.7	27.0	19.3	25.4	16.9	24.5	14.0	-	
226.4	-	-	-	-	-	-	-	-	28.0	23.4	26.1	20.5	24.6	17.0	22.9	14.4	22.0	11.6	-	
229.7	-	-	-	-	-	-	-	-	-	-	24.9	19.4	23.4	15.9	21.6	13.2	20.7	10.4	-	
232.9	-	-	-	-	-	-	-	-	-	-	23.9	18.4	22.3	14.8	20.6	12.2	19.6	9.0	-	
242.8	-	-	-	-	-	-	-	-	-	-	20.9	15.4	19.2	11.7	17.4	9.0	16.3	-	-	
246.1	-	-	-	-	-	-	-	-	-	-	-	14.6	18.2	10.7	16.5	-	15.3	-	-	
252.6	-	-	-	-	-	-	-	-	-	-	-	-	16.4	8.8	14.6	-	13.4	-	-	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	15.4	-	13.7	-	-	-	-	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.4	-	-	-	-	
	352,800 lb	396,900 lb																		

 352,800 lb  396,900 lb

	27.6 ft								32.2 ft / s				360°				75%
ft	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			
	LH_2								LH_3	LH_2	LH_3	LH_2	LH_3	LH_2	LH_3	LH_2	LH_3
ft	1,000 lb																
19.7	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.0	661.4	661.4	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.2	661.4	661.4	661.4	661.4	661.4	-	-	-	-	-	-	-	-	-	-	-	-
29.5	661.4	661.4	661.4	628.3	595.2	562.2	533.5	-	-	-	-	-	-	-	-	-	-
32.8	657.0	621.7	586.4	557.8	529.1	502.7	478.4	456.4	436.5	434.3	-	-	-	-	-	-	-
36.1	578.7	558.9	529.1	503.8	479.5	457.5	435.4	416.7	400.1	396.8	-	377.0	-	-	-	-	-
39.4	500.4	496.0	471.8	449.7	429.9	412.3	392.4	377.0	363.8	359.4	350.5	343.9	335.1	328.5	302.0	317.5	-
42.7	446.4	443.1	429.9	413.4	394.6	379.2	361.6	348.3	336.2	331.8	324.1	318.6	310.9	304.2	289.9	294.3	-
45.9	392.4	390.2	388.0	377.0	359.4	346.1	330.7	319.7	308.6	304.2	297.6	293.2	286.6	280.0	277.8	271.2	238.1
52.5	319.7	317.5	315.3	313.1	308.6	297.6	284.4	275.6	266.8	262.4	257.9	253.5	249.1	242.5	240.3	233.7	218.3
59.1	269.0	266.8	264.6	262.4	257.9	255.7	249.1	240.3	233.7	229.3	227.1	220.5	219.4	212.7	211.6	205.0	200.6
65.6	229.3	229.3	224.9	222.7	220.5	218.3	215.0	213.8	207.2	202.8	200.6	196.2	194.0	187.4	188.5	180.8	181.9
72.2	201.7	199.5	197.3	194.0	190.7	188.5	185.2	185.2	185.2	180.8	179.7	174.2	173.1	166.4	167.6	160.9	162.0
78.7	178.6	176.4	173.1	170.9	167.6	165.3	162.0	160.9	162.0	157.6	160.9	155.4	155.4	148.8	151.0	143.3	145.5
85.3	159.8	157.6	154.3	151.0	147.7	145.5	142.2	142.2	142.2	137.8	142.2	136.7	140.0	133.4	135.6	129.0	131.2
91.9	144.4	141.1	138.9	135.6	132.3	130.1	126.8	125.7	126.8	122.4	125.7	120.2	124.6	119.0	123.5	115.7	119.0
98.4	-	127.9	125.7	122.4	119.0	116.8	112.4	112.4	112.4	108.9	112.4	107.4	111.3	105.4	110.2	103.4	108.7
111.5	-	-	104.7	101.4	98.1	95.5	91.9	91.3	91.7	87.3	90.8	85.5	90.2	82.9	89.3	80.7	88.8
124.7	-	-	89.1	85.5	82.0	79.4	75.6	74.7	75.0	69.9	73.9	67.9	73.0	65.3	71.9	63.1	71.4
137.8	-	-	-	73.4	69.7	66.4	62.2	61.1	61.3	56.2	60.2	54.2	59.1	51.4	58.0	49.2	57.5
150.9	-	-	-	-	59.5	55.8	51.4	50.3	50.3	45.4	49.2	43.2	48.1	40.3	46.7	37.9	46.3
164.0	-	-	-	-	-	47.4	42.8	41.4	41.4	36.4	40.1	34.2	38.8	31.1	37.7	28.9	37.0
177.2	-	-	-	-	-	40.6	35.7	34.2	34.0	29.1	32.4	26.7	31.3	23.6	30.0	21.2	29.3
187.0	-	-	-	-	-	-	31.4	29.7	29.2	24.5	27.8	22.0	26.5	18.8	25.2	16.4	24.5
190.3	-	-	-	-	-	-	30.0	28.2	27.8	22.9	26.2	20.5	24.9	17.2	23.6	14.8	22.9
196.9	-	-	-	-	-	-	-	25.8	25.1	20.3	23.4	17.7	22.0	14.6	20.7	12.1	20.1
203.4	-	-	-	-	-	-	-	23.4	22.5	17.6	20.7	15.0	19.4	11.9	17.9	9.5	17.2
210.0	-	-	-	-	-	-	-	-	20.3	15.5	18.5	12.8	17.0	9.5	15.4	-	14.7
216.5	-	-	-	-	-	-	-	-	18.1	13.4	16.3	10.6	14.8	-	13.2	-	12.3
219.8	-	-	-	-	-	-	-	-	17.1	12.5	15.2	9.5	13.7	-	12.2	-	11.3
226.4	-	-	-	-	-	-	-	-	15.2	10.6	13.3	-	11.6	-	10.1	-	9.3
229.7	-	-	-	-	-	-	-	-	-	-	12.3	-	10.6	-	9.0	-	-
236.2	-	-	-	-	-	-	-	-	-	-	10.7	-	8.8	-	-	-	-
242.8	-	-	-	-	-	-	-	-	-	-	9.0	-	-	-	-	-	-

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb



396,900 lb + 132,300 lb 27.6 ft 32.2 ft / s 360° 75%															
98.4 ft 118.1 ft 137.8 ft 157.5 ft 177.2 ft															
SSL_1 SSL_2															
0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb															
36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft															
ft	1,000 lb														
23.0	1214.7	1223.6	1223.6	1285.3	1322.8	1322.8	-	-	-	-	-	-	-	-	-
26.2	1144.2	1223.6	1223.6	1078.1	1322.8	1322.8	1007.5	1307.3	1307.3	943.6	1278.7	1278.7	-	-	-
29.5	974.4	1223.6	1223.6	925.9	1322.8	1322.8	873.0	1307.3	1307.3	822.3	1278.7	1278.7	778.2	1230.2	1230.2
32.8	846.6	1223.6	1223.6	811.3	1320.6	1320.6	767.2	1307.3	1307.3	727.5	1278.7	1278.7	692.3	1230.2	1230.2
39.4	654.8	1183.9	1208.1	646.0	1285.3	1285.3	617.3	1265.5	1265.5	590.8	1278.7	1278.7	564.4	1230.2	1230.2
45.9	511.5	1053.8	1113.3	507.1	1150.8	1210.3	504.9	1146.4	1177.3	493.8	1142.0	1172.9	474.0	1137.6	1192.7
52.5	416.7	910.5	963.4	412.3	1007.5	1069.2	410.1	1003.1	1064.8	407.9	998.7	1053.8	405.7	994.3	1053.8
59.1	350.5	800.3	833.3	346.1	895.1	923.7	343.9	888.5	943.6	341.7	884.1	939.2	337.3	879.6	934.8
65.6	299.8	712.1	718.7	297.6	795.9	800.3	293.2	798.1	846.6	291.0	793.7	844.4	288.8	789.3	840.0
72.2	262.4	617.3	621.7	257.9	696.7	701.1	255.7	720.9	747.4	251.3	718.7	765.0	249.1	714.3	758.4
78.7	231.5	542.3	540.1	227.1	617.3	621.7	224.9	650.4	665.8	220.5	648.2	687.8	219.4	646.0	687.8
85.3	208.3	480.6	467.4	203.9	549.0	551.2	200.6	593.0	595.2	197.3	590.8	619.5	194.0	588.6	623.9
91.9	188.5	414.5	401.2	183.0	498.2	487.2	179.7	535.7	537.9	176.4	542.3	562.2	173.1	537.9	568.8
98.4	-	-	-	166.4	443.1	432.1	162.0	482.8	485.0	158.7	498.2	511.5	155.4	496.0	522.5
108.3	-	-	-	145.5	368.2	357.1	143.3	417.8	420.0	140.0	443.1	451.9	136.1	448.6	466.3
111.5	-	-	-	-	-	-	137.1	397.6	398.3	133.7	424.8	432.1	129.7	432.8	447.5
124.7	-	-	-	-	-	-	115.7	328.5	317.5	112.9	356.4	360.8	108.5	374.1	380.7
137.8	-	-	-	-	-	-	-	-	-	96.1	304.2	297.6	91.9	319.7	321.9
144.4	-	-	-	-	-	-	-	-	-	89.7	275.6	269.0	86.0	296.2	298.4
150.9	-	-	-	-	-	-	-	-	-	-	-	-	80.0	274.1	274.8
160.8	-	-	-	-	-	-	-	-	-	-	-	-	71.7	246.9	240.3

196.9 ft 216.5 ft 236.2 ft 255.9 ft															
SSL_1 SSL_2 SSL_1 SSL_2 SSL_1 SSL_2 SSL_1 SSL_2															
0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb															
36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft 36.1-49.2 ft 55.8 ft															
ft	1,000 lb														
29.5	738.5	1106.7	1106.7	1106.7	-	-	-	-	-	-	-	-	-	-	-
32.8	659.2	1106.7	1106.7	1106.7	628.3	912.7	912.7	985.5	599.7	822.3	822.3	923.7	-	-	-
36.1	599.7	1106.7	1106.7	1106.7	574.3	912.7	912.7	985.5	549.0	822.3	822.3	923.7	522.5	696.7	696.7
39.4	540.1	1106.7	1106.7	1106.7	520.3	912.7	912.7	985.5	498.2	822.3	822.3	923.7	478.4	696.7	696.7
45.9	456.4	1106.7	1106.7	1106.7	438.7	912.7	912.7	985.5	423.3	822.3	822.3	923.7	407.9	696.7	696.7
52.5	392.4	989.9	1036.2	989.9	379.2	901.7	901.7	985.5	366.0	822.3	822.3	923.7	352.7	696.7	696.7
59.1	337.3	877.4	932.6	875.2	332.9	855.4	855.4	873.0	319.7	798.1	798.1	868.6	310.9	694.5	694.5
65.6	286.6	787.1	835.6	784.8	286.6	784.8	809.1	780.4	284.4	760.6	760.6	776.0	275.6	674.6	674.6
72.2	246.9	712.1	751.8	709.9	246.9	709.9	738.5	705.5	244.7	705.5	716.5	701.1	244.7	657.0	657.0
78.7	217.2	646.0	681.2	646.0	217.2	648.2	670.2	643.8	215.0	643.8	652.6	639.3	213.8	639.3	637.1
85.3	191.8	588.6	621.7	586.4	191.8	588.6	612.9	586.4	189.6	588.6	597.5	584.2	188.5	588.6	584.2
91.9	170.9	537.9	568.8	537.9	170.9	540.1	564.4	535.7	168.7	537.9	551.2	533.5	167.6	537.9	540.1
98.4	153.2	496.0	522.5	493.8	153.2	496.0	520.3	491.6	151.0	493.8	509.3	489.4	149.9	496.0	500.4
111.5	127.5	429.9	450.5	429.2	127.5	431.4	452.7	427.0	124.6	429.2	444.6	424.8	123.5	429.9	438.7
124.7	106.1	374.8	388.7	374.8	105.8	376.3	393.9	372.6	102.4	373.3	388.0	369.6	101.3	373.3	384.3
137.8	89.1	330.7	337.3	330.7	88.2	330.7	343.9	328.5	84.4	326.3	339.5	324.1	83.3	326.3	337.3
150.9	76.1	289.5	293.2	288.1	75.0	298.4	304.2	294.7	71.1	293.9	304.2	291.7	69.8	293.9	303.5
164.0	65.1	250.2	252.4	248.4	63.5	265.3	266.8	260.9	59.4	264.6	270.4	260.9	58.0	264.6	271.9
177.2	56.0	220.5	215.0	220.5	53.8	231.5	231.5	227.1	49.4	238.1	238.1	231.5	47.8	238.1	242.5
190.3	-	-	-	-	46.7	204.1	201.5	200.8	42.0	210.2	211.6	205.0	40.2	216.1	218.3
193.6	-	-	-	-	45.0	199.5	194.0	196.2	40.2	203.2	205.0	198.4	38.3	210.5	212.2
203.4	-	-	-	-	-	-	-	-	35.5	183.5	185.7	179.7	33.4	193.6	194.7
210.0	-	-	-	-	-	-	-	-	32.6	175.3	173.1	172.0	30.5	182.2	183.4
216.5	-	-	-	-	-	-	-	-	-	-	-	-	27.6	170.9	172.0
229.7	-	-	-	-	-	-	-	-	-	-	-	-	22.9	153.2	151.0


0 lb
110,250 lb
220,500 lb
330,750 lb
441,000 lb
551,250 lb
661,500 lb

 396,900 lb +  132,300 lb					 27.6 ft				 32.2 ft / s				360°				75%		
 275.6 ft					295.3 ft				315.0 ft				334.6 ft				354.3 ft		
SSL_1					SSL_2	SSL_1		SSL_2	SSL_1		SSL_2								
 0 lb		0-661,500 lb			0 lb	0-661,500 lb			0 lb	0-661,500 lb			0 lb	0-661,500 lb			0 lb	0-661,500 lb	
 36.1-49.2 ft		55.8 ft			36.1-49.2 ft			55.8 ft	36.1-49.2 ft		55.8 ft	36.1-49.2 ft		55.8 ft	36.1-49.2 ft		55.8 ft		
ft					1,000 lb														
36.1	500.4	619.5	619.5	734.1	-	-	-	-	423.3	-	-	-	-	-	-	-	-		
39.4	458.6	619.5	619.5	734.1	440.9	524.7	637.1	634.9	423.3	458.6	558.9	556.7	-	-	-	-	-		
42.7	425.5	619.5	619.5	731.9	409.0	524.7	636.0	634.9	393.5	458.6	557.8	555.6	374.8	480.6	482.8	359.4	421.1		
45.9	392.4	619.5	619.5	731.9	377.0	524.7	634.9	634.9	363.8	458.6	557.8	555.6	348.3	480.6	480.6	335.1	421.1		
52.5	339.5	619.5	619.5	731.9	328.5	524.7	632.7	632.7	317.5	458.6	551.2	551.2	302.0	474.0	474.0	291.0	416.7		
59.1	297.6	619.5	619.5	731.9	288.8	524.7	630.5	630.5	277.8	458.6	546.7	546.7	266.8	467.4	469.6	255.7	412.3		
65.6	264.6	612.9	612.9	709.9	255.7	522.5	628.3	628.3	246.9	458.6	542.3	544.5	235.9	463.0	465.2	227.1	405.7		
72.2	235.9	597.5	597.5	672.4	229.3	513.7	604.1	612.9	220.5	451.9	533.5	537.9	211.6	458.6	458.6	202.8	401.2		
78.7	211.6	584.2	584.2	619.5	207.2	504.9	582.0	595.2	199.5	443.1	520.3	529.1	189.6	447.5	447.5	181.9	394.6		
85.3	186.3	571.0	566.6	566.6	186.3	496.0	553.4	546.7	179.7	434.3	509.3	520.3	170.9	436.5	436.5	164.2	383.6		
91.9	165.3	529.1	524.7	522.5	165.3	485.0	509.3	504.9	163.1	425.5	496.0	489.4	155.4	425.5	425.5	147.7	374.8		
98.4	147.7	489.4	485.0	482.8	147.7	467.4	471.8	467.4	145.5	416.7	458.6	454.2	140.0	414.5	416.7	134.5	363.8		
111.5	121.5	426.2	426.2	421.1	121.4	417.4	414.5	410.1	119.2	388.7	402.7	398.3	112.8	382.1	379.9	109.2	343.2		
124.7	99.1	371.8	374.8	366.7	98.8	370.4	363.8	360.8	96.4	357.1	354.2	350.5	89.6	346.1	341.7	86.9	321.1		
137.8	80.2	326.3	330.7	319.7	79.8	326.3	319.7	319.7	77.2	321.9	313.1	310.9	70.3	306.4	302.0	67.7	297.6		
150.9	66.6	291.0	296.9	285.9	66.0	292.5	285.9	287.3	63.3	289.5	280.7	278.5	56.4	275.6	272.6	53.7	268.2		
164.0	54.6	260.9	266.8	256.5	53.9	261.6	255.7	258.7	51.2	259.4	252.1	250.6	44.2	247.7	246.2	41.4	241.8		
177.2	44.3	235.9	240.3	231.5	43.7	233.7	229.3	233.7	40.8	231.5	227.1	227.1	33.7	222.7	222.7	30.9	218.3		
190.3	36.5	214.6	217.5	210.2	35.6	213.1	208.7	211.6	32.7	210.9	206.5	207.2	25.6	202.8	202.8	22.8	198.4		
203.4	29.6	194.0	195.8	189.2	28.4	194.4	189.6	191.1	25.5	192.2	187.4	188.1	18.4	184.8	184.8	15.4	180.8		
210.0	26.6	184.1	185.6	178.9	25.4	185.9	180.8	181.5	22.3	183.7	178.6	178.9	15.3	176.7	176.7	12.1	173.1		
216.5	23.6	174.2	175.3	168.7	22.3	177.5	172.0	172.0	19.2	175.3	169.8	169.8	12.1	168.7	168.7	-	165.3		
229.7	18.9	155.1	156.9	149.5	17.3	160.6	154.3	154.3	14.0	159.8	153.4	154.1	-	153.2	154.0	-	150.6		
236.2	16.5	145.5	147.7	140.0	14.8	152.1	145.5	146.6	11.5	152.1	145.5	146.6	-	145.5	146.6	-	143.3		
242.8	14.6	138.5	138.2	134.8	12.6	143.3	137.4	138.5	-	144.8	138.2	139.3	-	138.9	139.6	-	136.7		
246.1	13.7	135.6	133.4	132.3	11.5	138.9	133.4	134.5	-	141.1	134.5	135.6	-	135.6	136.1	-	133.4		
255.9	-	-	-	-	-	126.8	122.4	122.4	-	130.1	123.5	124.6	-	125.7	125.7	-	123.5		
262.5	-	-	-	-	-	-	117.9	114.6	-	122.9	116.7	117.8	-	119.4	119.6	-	117.7		
269.0	-	-	-	-	-	-	-	-	-	115.7	110.7	111.0	-	113.2	113.6	-	112.0		
278.9	-	-	-	-	-	-	-	-	-	-	104.1	101.0	-	103.8	104.6	-	103.5		
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.8	101.7	-	100.8		
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	92.6	89.7	-	89.7		
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.1		
315.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.4		

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb				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			
LSL_2																	
		0 lb	0-661.5 klb	0 lb	0-661.5 klb	0 lb	0-661.5 klb	0 lb	0-661.5 klb	0 lb	0-661.5 klb	0 lb	0-661.5 klb	0 lb	0-661.5 klb		
ft							1,000 lb								ft		
26.2	-	-	637.1	643.8	637.1	643.8	637.1	646.0	-	-	-	-	-	-	-	26.2	
29.5	639.3	643.8	637.1	643.8	637.1	643.8	637.1	646.0	637.1	641.5	634.9	641.5	-	-	-	29.5	
32.8	639.3	643.8	637.1	643.8	637.1	643.8	637.1	646.0	637.1	641.5	630.5	641.5	608.5	634.9	-	32.8	
39.4	639.3	643.8	626.1	643.8	599.7	643.8	573.2	646.0	549.0	641.5	526.9	641.5	507.1	634.9	-	39.4	
45.9	522.5	643.8	520.3	643.8	502.7	643.8	482.8	646.0	465.2	641.5	447.5	641.5	432.1	634.9	-	45.9	
52.5	427.7	643.8	425.5	643.8	423.3	643.8	416.7	646.0	401.2	641.5	388.0	641.5	374.8	634.9	-	52.5	
59.1	359.4	643.8	357.1	643.8	354.9	641.5	352.7	641.5	350.5	641.5	339.5	641.5	328.5	634.9	-	59.1	
65.6	310.9	643.8	308.6	639.3	304.2	641.5	302.0	637.1	299.8	632.7	297.6	641.5	293.2	634.9	-	65.6	
72.2	271.2	639.3	269.0	619.5	266.8	641.5	264.6	634.9	260.1	619.5	257.9	626.1	255.7	632.7	-	72.2	
78.7	240.3	595.2	238.1	599.7	235.9	608.5	233.7	632.7	229.3	606.3	227.1	601.9	224.9	612.9	-	78.7	
85.3	216.1	549.0	213.8	571.0	211.6	573.2	208.3	601.9	206.1	593.0	202.8	579.8	200.6	584.2	-	85.3	
91.9	196.2	502.7	192.9	531.3	190.7	535.7	187.4	557.8	185.2	555.6	181.9	551.2	179.7	551.2	-	91.9	
98.4	178.6	451.9	175.3	489.4	173.1	502.7	169.8	513.7	167.6	511.5	163.1	509.3	162.0	507.1	-	98.4	
108.3	157.6	388.0	156.0	431.0	153.8	454.2	149.9	465.2	147.7	461.9	143.9	459.7	142.2	457.5	-	108.3	
111.5	-	-	149.5	411.5	147.3	438.0	143.3	449.0	141.1	445.3	137.4	443.1	135.6	440.9	-	111.5	
124.7	-	-	127.9	343.9	125.8	374.8	121.6	391.0	119.2	390.2	115.7	387.3	113.5	385.1	-	124.7	
137.8	-	-	-	-	108.5	315.3	104.7	339.5	101.9	346.1	98.1	341.7	95.9	339.5	-	137.8	
141.1	-	-	-	-	104.9	304.2	101.6	327.0	98.7	336.2	94.9	333.3	92.7	331.1	-	141.1	
150.9	-	-	-	-	-	-	92.2	289.5	89.2	306.4	85.5	307.9	83.1	305.7	-	150.9	
160.8	-	-	-	-	-	-	83.6	262.4	80.6	276.7	76.7	282.9	74.2	282.2	-	160.8	
164.0	-	-	-	-	-	-	-	-	78.3	266.8	74.3	274.8	71.7	275.6	-	164.0	
177.2	-	-	-	-	-	-	-	-	69.2	235.9	64.6	242.5	61.5	249.1	-	177.2	
190.3	-	-	-	-	-	-	-	-	-	-	57.0	213.0	54.0	223.4	-	190.3	
193.6	-	-	-	-	-	-	-	-	-	-	55.1	208.3	52.1	217.0	-	193.6	
203.4	-	-	-	-	-	-	-	-	-	-	-	-	47.2	197.3	-	203.4	
210.0	-	-	-	-	-	-	-	-	-	-	-	-	44.1	185.2	-	210.0	

0 lb 110,250 lb 220,500 lb 330,750 lb 441,000 lb 551,250 lb 661,500 lb

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 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			
 LSL_2 LSL_3				LSL_2 LSL_3				LSL_2 LSL_3				LSL_2 LSL_3				LSL_2 LSL_3				LSL_2 LSL_3			
 0 lb 0-661,500 lb				0 lb 0-661,500 lb				0 lb 0-661,500 lb				0 lb 0-661,500 lb				0 lb 0-661,500 lb				0 lb 0-661,500 lb			
ft								1,000 lb															
32.8	582.0	628.3	599.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
36.1	533.5	628.3	599.7	509.3	599.7	582.0	-	-	-	-	-	-	-	-	-	-	-	-	-				
39.4	485.0	628.3	599.7	467.4	599.7	582.0	449.7	546.7	551.2	434.3	474.0	496.0	-	-	-	-	-	-	-				
42.7	449.7	628.3	599.7	434.3	599.7	582.0	417.8	546.7	551.2	403.4	472.9	493.8	381.4	399.0	449.7	324.1	337.3	403.4	-				
45.9	414.5	628.3	599.7	401.2	599.7	582.0	385.8	546.7	551.2	372.6	471.8	491.6	361.6	399.0	447.5	324.1	337.3	403.4	-				
52.5	361.6	628.3	599.7	348.3	599.7	582.0	337.3	546.7	551.2	326.3	469.6	485.0	315.3	394.6	438.7	306.4	330.7	399.0	-				
59.1	317.5	626.1	597.5	308.6	599.7	582.0	297.6	546.7	551.2	288.8	467.4	478.4	280.0	392.4	432.1	271.2	324.1	396.8	-				
65.6	282.2	623.9	595.2	273.4	593.0	577.6	264.6	542.3	549.0	257.9	465.2	474.0	249.1	388.0	425.5	242.5	319.7	394.6	-				
72.2	253.5	623.9	595.2	246.9	586.4	573.2	238.1	531.3	531.3	231.5	460.8	463.0	224.9	383.6	418.9	218.3	313.1	394.6	-				
78.7	222.7	621.7	595.2	220.5	582.0	568.8	215.0	518.1	520.3	209.4	451.9	451.9	203.9	379.2	407.9	197.3	306.4	390.2	-				
85.3	197.3	595.2	566.6	196.2	577.6	566.6	192.9	507.1	507.1	190.7	445.3	440.9	185.2	374.8	396.8	179.7	299.8	383.6	-				
91.9	176.4	546.7	533.5	174.2	542.3	535.7	172.0	493.8	493.8	173.1	438.7	429.9	169.8	370.4	385.8	164.2	293.2	374.8	-				
98.4	158.7	502.7	502.7	156.5	502.7	502.7	153.2	467.4	469.6	154.3	427.7	414.5	154.3	366.0	374.8	149.9	286.6	368.2	-				
111.5	132.3	436.5	438.0	130.1	436.5	436.5	126.8	420.3	422.6	127.9	392.4	380.7	127.9	342.5	346.9	125.7	273.4	345.4	-				
124.7	110.1	380.7	382.1	108.2	380.7	379.9	104.6	374.8	376.3	105.7	358.6	348.3	105.4	318.9	319.7	104.4	261.6	321.9	-				
137.8	92.2	335.1	335.1	90.8	335.1	332.9	86.9	330.7	330.7	87.7	326.3	317.5	86.9	295.4	293.2	86.2	251.3	295.4	-				
150.9	78.9	302.8	301.3	77.2	299.8	299.1	73.2	296.9	295.4	73.9	295.4	289.5	72.9	273.4	268.2	72.2	238.1	272.6	-				
164.0	67.2	272.6	268.2	65.3	269.7	269.0	61.2	266.8	264.6	61.8	266.8	263.1	60.7	253.5	244.7	60.0	226.3	251.3	-				
177.2	57.1	244.7	235.9	55.1	244.7	242.5	50.9	240.3	238.1	51.4	240.3	238.1	50.3	235.9	222.7	49.4	216.1	229.3	-				
190.3	49.3	224.9	212.4	47.2	223.4	216.8	43.0	219.7	218.3	43.3	219.7	216.8	42.2	217.5	203.6	41.2	205.0	210.9	-				
203.4	42.5	203.6	192.2	40.1	203.9	194.0	35.9	201.0	199.2	36.1	200.6	196.2	34.9	199.9	184.8	33.8	193.6	193.3	-				
216.5	36.6	180.8	175.3	34.0	186.3	174.2	29.5	184.1	180.8	29.8	183.0	176.4	28.4	183.0	166.4	27.3	181.9	176.4	-				
226.4	32.8	164.2	164.2	30.4	172.0	164.8	25.9	172.0	168.1	25.9	171.4	164.2	24.5	172.5	154.9	23.3	171.4	165.9	-				
229.7	-	-	-	29.2	167.2	161.7	24.7	167.9	163.9	24.6	167.6	160.2	23.1	169.0	151.0	21.9	167.9	162.4	-				
242.8	-	-	-	24.8	148.1	146.6	20.4	151.8	148.1	20.0	153.6	145.1	18.4	156.2	136.7	17.0	155.1	148.8	-				
246.1	-	-	-	23.8	144.4	142.2	19.4	147.7	144.4	19.0	150.5	141.6	17.3	153.2	133.4	16.0	152.1	145.5	-				
255.9	-	-	-	-	-	-	16.5	135.6	133.4	15.9	141.1	131.2	14.1	144.4	123.5	12.8	143.3	135.6	-				
262.5	-	-	-	-	-	-	14.8	129.0	126.8	14.2	127.1	125.7	12.3	137.8	118.5	10.9	136.7	129.7	-				
269.0	-	-	-	-	-	-	-	-	-	12.5	113.2	121.3	10.6	131.2	113.6	9.0	130.1	123.8	-				
275.6	-	-	-	-	-	-	-	-	-	10.8	105.2	116.8	8.8	124.6	108.7	-	124.6	117.9	-				
278.9	-	-	-	-	-	-	-	-	-	10.1	103.2	114.6	-	121.5	106.7	-	122.2	115.2	-				
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	118.5	104.8	-	119.8	112.5	-				
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	106.5	97.0	-	110.2	101.6	-				
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.1	90.9	-				
311.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.3	88.6	-				



0 lb

110,250 lb

220,500 lb

330,750 lb

441,000 lb

551,250 lb

661,500 lb

396,900 lb + 132,300 lb 27.6 ft 32.2 ft / s 360° 75%																			
		374.0 ft			393.7 ft			413.4 ft			433.1 ft			452.8 ft					
		LSL_2		LSL_3	LSL_2		LSL_3	LSL_2		LSL_3	LSL_2		LSL_3	LSL_2		LSL_3			
		0 lb		0-661,500 lb	0 lb		0-661,500 lb	0 lb		0-661,500 lb	0 lb		0-661,500 lb	0 lb		0-661,500 lb			
ft								1,000 lb								ft			
45.9	284.4	295.4	357.1	262.4	269.0	321.9	-	-	-	-	-	-	-	-	-	-	45.9		
49.2	281.1	293.2	356.0	260.1	267.9	321.9	233.7	240.3	284.4	202.8	211.6	257.9	-	-	-	-	49.2		
52.5	277.8	291.0	354.9	257.9	266.8	321.9	233.7	240.3	284.4	202.8	211.6	257.9	174.2	180.8	227.1	-	52.5		
59.1	264.6	288.8	352.7	253.5	264.6	319.7	229.3	238.1	282.2	198.4	209.4	255.7	169.8	176.4	224.9	59.1	-		
65.6	235.9	284.4	350.5	229.3	260.1	317.5	222.7	238.1	280.0	194.0	207.2	253.5	163.1	174.2	222.7	65.6	-		
72.2	212.7	280.0	348.3	208.3	257.9	315.3	201.7	235.9	277.8	191.8	205.0	251.3	158.7	172.0	220.5	72.2	-		
78.7	192.9	277.8	346.1	188.5	253.5	313.1	183.0	233.7	275.6	176.4	202.8	249.1	154.3	169.8	218.3	78.7	-		
85.3	175.3	273.4	341.7	170.9	251.3	310.9	166.4	231.5	273.4	160.9	200.6	246.9	152.1	165.3	216.1	85.3	-		
91.9	159.8	269.0	339.5	156.5	246.9	308.6	152.1	229.3	273.4	146.6	198.4	244.7	142.2	163.1	213.8	91.9	-		
98.4	146.6	264.6	335.1	143.3	244.7	304.2	138.9	227.1	271.2	134.5	196.2	242.5	130.1	160.9	210.5	98.4	-		
111.5	123.8	257.2	321.9	122.0	235.9	298.4	118.6	222.7	266.8	114.3	192.5	238.1	110.4	155.8	206.1	111.5	-		
124.7	103.1	248.4	304.2	102.7	227.8	285.1	100.2	218.3	258.7	96.5	189.6	232.2	93.2	150.6	201.4	124.7	-		
137.8	84.4	238.1	282.2	85.3	220.5	266.8	83.6	213.8	246.9	80.9	187.4	224.9	78.5	145.5	196.2	137.8	-		
150.9	70.3	227.8	261.6	71.4	213.1	249.1	69.4	207.2	232.2	66.9	183.7	213.1	64.8	139.6	188.1	150.9	-		
164.0	58.1	218.3	241.8	59.1	205.8	232.2	57.1	200.6	218.3	54.6	180.0	201.7	52.6	133.7	180.0	164.0	-		
177.2	47.6	209.4	222.7	48.5	198.4	216.1	46.5	194.0	205.0	43.9	176.4	190.7	41.9	127.9	172.0	177.2	-		
190.3	39.4	199.9	203.6	40.1	189.6	198.4	38.3	187.4	189.6	35.6	171.2	180.4	33.7	121.3	163.9	190.3	-		
203.4	32.0	190.3	185.9	32.6	181.5	181.5	30.9	180.8	174.2	28.1	166.1	168.1	26.2	114.6	156.5	203.4	-		
216.5	25.4	180.8	169.8	26.0	174.2	165.3	24.3	174.2	158.7	21.4	160.9	154.3	19.4	108.0	146.6	216.5	-		
229.7	19.9	166.8	156.5	20.7	163.9	152.5	18.8	161.7	145.5	15.9	153.6	141.8	14.0	100.7	134.1	229.7	-		
242.8	15.1	154.0	143.7	15.8	152.9	140.7	13.8	149.9	133.7	10.9	144.8	130.4	8.8	92.6	122.7	242.8	-		
246.1	14.0	151.0	140.5	14.7	149.9	137.8	12.7	147.2	131.2	9.7	142.2	127.9	-	90.9	120.2	246.1	-		
255.9	10.8	142.2	131.2	11.2	141.1	129.0	9.3	138.9	123.5	-	134.5	120.2	-	86.0	112.4	255.9	-		
259.2	9.7	140.0	128.4	10.3	138.3	126.2	-	136.5	120.9	-	132.1	117.6	-	84.3	110.0	259.2	-		
262.5	-	137.1	125.7	9.3	135.6	123.5	-	134.1	118.4	-	129.7	115.1	-	82.6	107.9	262.5	-		
269.0	-	131.4	120.2	-	130.1	117.9	-	129.3	113.3	-	124.9	110.0	-	79.2	103.7	269.0	-		
282.2	-	120.5	109.7	-	119.8	107.9	-	119.8	103.6	-	116.1	100.7	-	74.7	95.1	282.2	-		
295.3	-	110.2	99.9	-	110.2	98.5	-	110.2	94.4	-	108.0	91.7	-	72.5	86.4	295.3	-		
308.4	-	100.8	89.9	-	102.7	89.4	-	101.4	85.8	-	99.2	83.5	-	70.3	78.6	308.4	-		
321.5	-	91.2	80.3	-	94.7	80.5	-	93.3	77.5	-	90.8	75.5	-	68.0	71.1	321.5	-		
331.4	-	84.4	76.1	-	88.3	74.0	-	87.7	71.5	-	85.5	69.8	-	66.3	65.7	331.4	-		
334.6	-	-	-	-	86.2	72.1	-	86.0	69.4	-	83.8	67.9	-	65.7	63.9	334.6	-		
347.8	-	-	-	-	77.4	66.4	-	77.9	62.2	-	77.2	60.7	-	63.5	57.0	347.8	-		
360.9	-	-	-	-	-	-	-	65.8	56.4	-	70.3	54.0	-	61.3	50.3	360.9	-		
364.2	-	-	-	-	-	-	-	61.7	54.9	-	68.6	52.7	-	60.7	48.7	364.2	-		
374.0	-	-	-	-	-	-	-	-	-	-	63.3	48.7	-	59.1	44.8	374.0	-		
380.6	-	-	-	-	-	-	-	-	-	-	59.7	45.4	-	57.9	42.0	380.6	-		
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	56.1	39.3	387.1	-		
397.0	-	-	-	-	-	-	-	-	-	-	-	-	-	52.0	35.1	397.0	-		



0 lb

110,250 lb

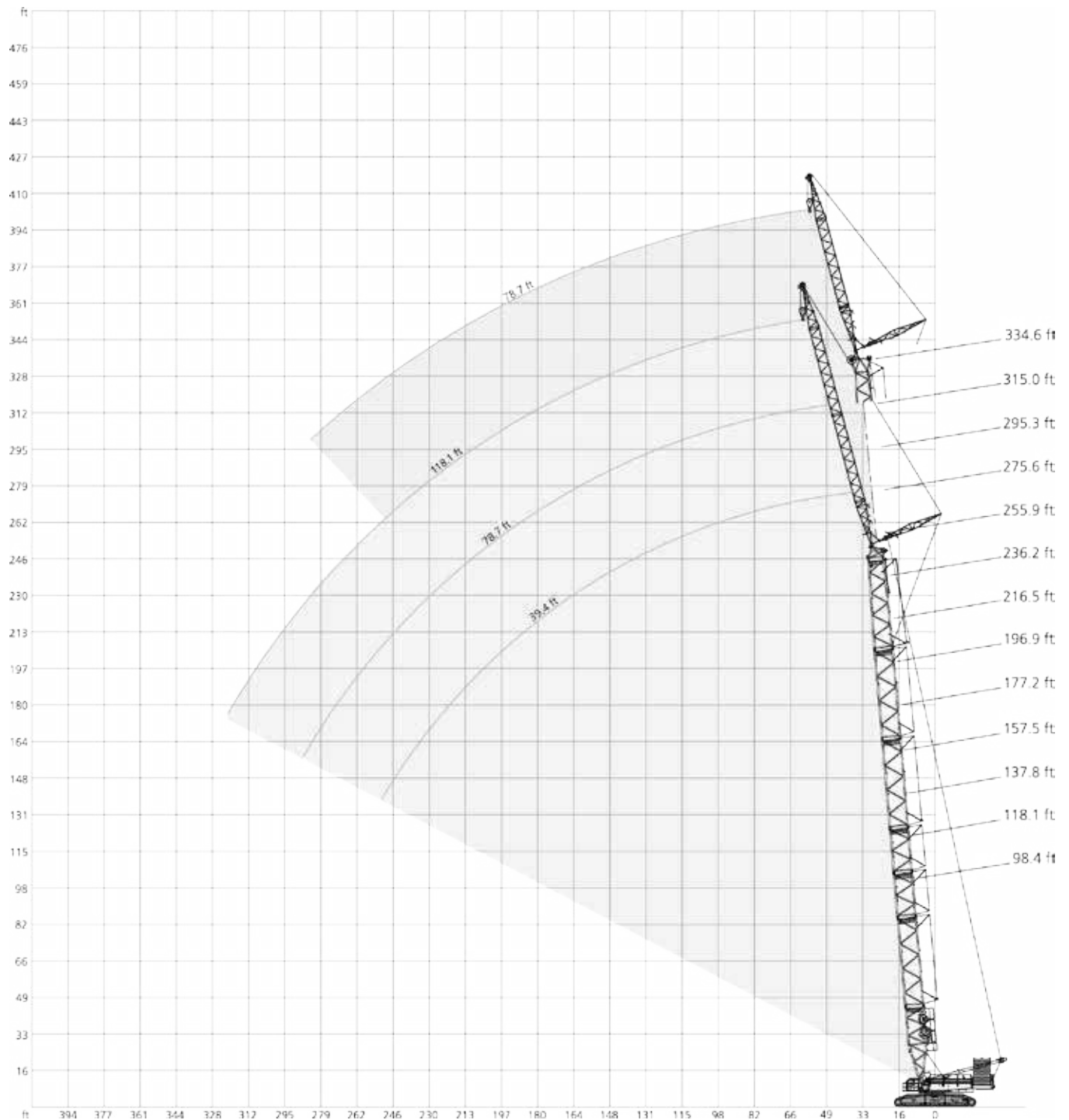
220,500 lb

330,750 lb

441,000 lb

551,250 lb

661,500 lb



 +  132,300 lb				 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				 118.1 ft				
 10°		 15°		 20°		 10°		 20°		 30°		 10°		 20°		 30°		 10°		 20°		 30°		
ft		1,000 lb																		ft				
29.5	275.6	-	-	-	-	-	-	-	-	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	29.5
32.8	275.6	231.5	-	-	-	-	-	-	-	-	-	275.6	238.1	-	-	-	-	-	-	-	-	-	-	32.8
36.1	266.8	218.3	179.7	-	-	-	-	-	-	-	-	275.6	226.5	184.1	-	-	-	-	-	-	-	-	-	36.1
39.4	257.9	205.0	169.8	152.1	-	-	-	-	-	-	-	275.6	215.0	176.4	148.8	-	-	-	-	-	-	-	-	39.4
45.9	227.1	183.0	154.3	138.9	-	-	-	-	-	-	-	244.7	194.0	160.9	143.3	-	-	-	-	-	-	-	-	45.9
49.2	214.4	174.7	147.7	131.2	-	-	-	89.3	-	-	-	232.0	185.2	154.9	136.7	-	-	-	89.5	-	-	-	-	49.2
52.5	201.7	166.4	141.1	123.5	86.6	-	-	89.3	-	-	-	219.4	176.4	148.8	130.1	85.1	-	-	89.5	-	-	-	-	52.5
59.1	181.9	152.1	130.1	112.4	79.6	-	-	86.0	-	-	-	198.4	162.0	137.8	117.9	82.0	-	-	87.1	-	-	-	-	59.1
62.3	173.6	146.1	125.7	107.5	76.6	53.6	-	82.7	-	-	-	189.6	156.0	133.4	113.5	79.0	-	-	84.5	-	-	-	-	62.3
65.6	165.3	140.0	121.3	102.5	73.6	52.0	79.4	-	-	-	-	180.8	149.9	129.0	109.1	76.1	52.7	-	82.0	-	-	-	-	65.6
68.9	158.7	135.0	117.4	98.1	71.0	50.5	76.3	52.2	-	-	-	173.6	145.0	125.1	104.4	73.6	51.3	79.0	53.1	-	-	-	-	68.9
72.2	152.1	130.1	113.5	93.7	68.3	48.9	73.2	52.2	-	-	-	166.4	140.0	121.3	99.6	71.2	49.8	76.1	53.1	-	-	-	-	72.2
78.7	140.0	121.3	107.1	86.2	63.9	46.3	67.5	48.7	-	-	-	154.3	131.2	113.5	92.6	66.8	47.4	70.8	49.8	-	-	-	-	78.7
85.3	130.1	113.5	101.2	79.8	60.0	43.9	61.9	45.6	31.7	-	-	143.3	123.5	108.5	86.0	62.8	45.0	65.7	47.0	-	-	-	-	85.3
88.6	126.2	110.5	98.7	77.1	58.2	42.8	60.1	44.4	31.3	-	-	138.9	119.6	105.7	83.1	61.1	44.0	63.4	45.6	32.2	-	-	-	88.6
91.9	122.4	107.4	96.1	74.3	56.4	41.7	58.2	43.2	30.9	-	-	134.5	115.7	103.0	80.2	59.3	43.0	61.1	44.3	31.3	-	-	-	91.9
98.4	114.6	101.9	91.5	69.4	53.4	39.7	54.2	40.6	29.3	-	-	126.8	110.2	98.3	75.2	56.2	41.0	57.8	42.1	29.8	-	-	-	98.4
111.5	103.0	92.4	84.2	61.5	48.1	36.6	47.6	36.2	26.5	-	-	113.5	100.5	90.4	66.6	50.9	37.9	50.7	37.9	27.1	-	-	-	111.5
124.7	93.7	85.5	78.7	55.1	43.9	34.0	42.3	32.6	24.0	-	-	103.4	92.6	84.0	60.0	46.7	35.3	45.2	34.2	24.9	-	-	-	124.7
128.0	91.9	84.2	-	53.8	43.0	33.5	41.2	31.9	23.6	-	-	101.3	91.0	82.8	58.6	45.9	34.7	44.1	33.5	24.4	-	-	-	128.0
131.2	-	82.9	-	52.6	42.2	33.0	40.1	31.2	23.1	-	-	99.2	89.4	81.7	57.2	45.0	34.2	43.0	32.7	23.9	-	-	-	131.2
137.8	-	-	-	50.0	40.6	32.0	37.9	29.8	22.3	-	-	95.0	86.2	79.4	54.5	43.2	33.1	40.8	31.3	22.9	-	-	-	137.8
141.1	-	-	-	49.1	39.9	31.6	37.0	29.2	21.8	-	-	93.4	85.0	78.3	53.4	42.5	32.7	39.8	30.7	22.5	-	-	-	141.1
144.4	-	-	-	48.1	39.2	31.2	36.2	28.5	21.4	-	-	91.7	83.8	-	52.2	41.8	32.3	38.9	30.1	22.2	-	-	-	144.4
147.6	-	-	-	47.1	38.6	30.8	35.3	27.9	20.9	-	-	82.7	-	-	51.1	41.1	31.9	38.0	29.5	21.8	-	-	-	147.6
150.9	-	-	-	46.1	37.9	30.4	34.4	27.3	20.5	-	-	-	-	-	50.0	40.3	31.5	37.0	28.9	21.4	-	-	-	150.9
164.0	-	-	-	42.8	35.9	-	31.5	25.1	19.2	-	-	-	-	-	46.3	37.9	30.2	34.0	26.7	20.1	-	-	-	164.0
167.3	-	-	-	-	-	-	30.9	24.7	19.0	-	-	-	-	-	45.5	37.5	30.0	33.3	26.2	19.8	-	-	-	167.3
177.2	-	-	-	-	-	-	29.1	23.6	18.3	-	-	-	-	-	43.2	36.2	-	31.3	24.9	19.0	-	-	-	177.2
180.4	-	-	-	-	-	-	28.6	23.3	18.1	-	-	-	-	-	42.5	35.7	-	30.8	24.5	18.7	-	-	-	180.4
183.7	-	-	-	-	-	-	28.1	22.9	17.9	-	-	-	-	-	41.9	-	-	30.2	24.1	18.4	-	-	-	183.7
190.3	-	-	-	-	-	-	27.1	22.3	17.4	-	-	-	-	-	-	-	-	29.1	23.4	17.9	-	-	-	190.3
200.1	-	-	-	-	-	-	25.8	21.4	-	-	-	-	-	-	-	-	-	27.6	22.5	17.4	-	-	-	200.1
203.4	-	-	-	-	-	-	25.4	-	-	-	-	-	-	-	-	-	-	27.1	22.3	17.2	-	-	-	203.4
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6	21.2	-	-	-	-	216.5
219.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	-	-	-	-	-	219.8

 352,800 lb  396,900 lb

 +  132,300 lb				 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			
 10°		 15°		 20°		 10°		 20°		 30°		 10°		 15°		 20°		 10°		 20°		 30°	
ft		1,000 lb																ft					
32.8	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8
36.1	275.6	240.3	-	-	-	-	-	-	-	-	-	275.6	-	-	-	-	-	-	-	-	-	-	36.1
39.4	275.6	229.3	177.5	-	-	-	-	-	-	-	-	275.6	235.9	-	-	-	-	-	-	-	-	-	39.4
42.7	275.6	219.9	174.2	147.7	-	-	-	-	-	-	-	275.6	227.1	179.7	-	-	-	-	-	-	-	-	42.7
45.9	275.6	210.5	170.9	147.7	-	-	-	-	-	-	-	275.6	218.3	174.2	145.5	-	-	-	-	-	-	-	45.9
52.5	249.1	194.0	159.8	138.9	-	-	88.6	-	-	-	-	260.1	201.7	164.2	141.1	-	-	-	-	-	-	-	52.5
55.8	238.1	186.8	154.9	133.4	85.3	-	88.2	-	-	-	-	249.1	194.6	159.3	136.7	-	-	87.7	-	-	-	-	55.8
59.1	227.1	179.7	149.9	127.9	85.3	-	87.7	-	-	-	-	238.1	187.4	154.3	132.3	84.0	-	87.7	-	-	-	-	59.1
65.6	208.3	167.6	141.1	117.9	80.0	-	85.8	-	-	-	-	220.5	175.3	145.5	122.4	81.6	-	85.8	-	-	-	-	65.6
68.9	200.6	162.6	137.2	114.1	77.8	52.5	83.3	-	-	-	-	212.7	169.8	141.6	118.5	79.5	52.9	84.3	-	-	-	-	68.9
72.2	192.9	157.6	133.4	110.2	75.6	51.1	80.9	53.1	-	-	-	205.0	164.2	137.8	114.6	77.4	51.6	82.9	-	-	-	-	72.2
75.5	186.3	152.7	130.1	106.6	73.5	50.0	78.3	52.4	-	-	-	197.9	159.8	134.5	111.1	75.3	50.5	80.5	52.2	-	-	-	75.5
78.7	179.7	147.7	126.8	103.0	71.4	48.9	75.6	51.6	-	-	-	190.7	155.4	131.2	107.6	73.2	49.4	78.0	52.2	-	-	-	78.7
85.3	167.6	140.0	120.2	96.1	67.5	46.7	71.2	48.9	-	-	-	178.6	146.6	125.7	100.8	69.7	47.4	73.4	49.6	-	-	-	85.3
91.9	157.6	132.3	114.6	90.8	64.2	45.0	67.0	46.5	31.3	-	-	168.7	140.0	120.2	94.8	66.1	45.6	69.4	47.4	31.5	-	-	91.9
98.4	148.8	125.7	110.0	85.3	61.1	43.2	62.6	44.3	30.6	-	-	152.1	133.4	114.6	89.9	63.3	43.9	65.5	45.2	30.9	-	-	98.4
111.5	129.0	114.6	101.4	76.1	55.8	40.1	56.7	40.3	28.0	-	-	126.8	121.3	106.3	80.5	58.0	41.0	58.9	41.4	28.4	-	-	111.5
124.7	109.3	106.0	94.1	68.8	51.4	37.5	50.9	37.0	26.0	-	-	106.9	107.8	99.0	72.8	53.4	38.4	53.6	38.1	26.5	-	-	124.7
137.8	93.7	94.4	88.4	62.6	47.6	35.3	46.1	34.0	24.0	-	-	91.5	92.2	92.6	66.4	49.6	36.2	48.5	35.3	24.7	-	-	137.8
150.9	81.1	81.8	82.0	57.5	44.5	33.5	41.9	31.5	22.5	-	-	78.9	79.4	79.8	61.1	46.5	34.4	44.3	32.6	23.1	-	-	150.9
164.0	71.0	71.4	71.7	53.1	41.9	32.0	38.6	29.3	21.2	-	-	68.6	69.0	69.4	56.7	43.7	32.8	40.8	30.4	21.8	-	-	164.0
173.9	64.7	65.0	65.0	50.5	40.2	31.0	36.4	27.8	20.3	-	-	61.9	62.4	62.8	53.7	41.8	31.9	38.5	28.9	20.8	-	-	173.9
177.2	62.6	62.8	-	49.6	39.7	30.6	35.7	27.3	20.1	-	-	59.7	60.2	60.6	52.7	41.2	31.5	37.7	28.4	20.5	-	-	177.2
180.4	60.6	60.8	-	48.8	39.2	30.4	35.1	27.0	19.8	-	-	57.8	58.3	58.6	51.9	40.7	31.3	37.0	28.0	20.3	-	-	180.4
190.3	-	-	-	46.5	37.7	29.8	33.1	25.8	19.2	-	-	52.0	52.5	52.7	49.4	39.2	30.4	35.1	26.7	19.6	-	-	190.3
193.6	-	-	-	45.9	37.3	29.5	32.5	25.4	19.0	-	-	50.4	50.7	-	48.7	38.9	30.2	34.5	26.3	19.4	-	-	193.6
196.9	-	-	-	45.2	36.9	-	32.0	25.0	18.7	-	-	48.7	48.9	-	48.0	38.5	30.0	34.0	26.0	19.2	-	-	196.9
203.4	-	-	-	43.9	36.2	-	30.9	24.3	18.3	-	-	-	-	-	46.5	37.7	29.5	32.8	25.4	18.7	-	-	203.4
206.7	-	-	-	43.4	35.9	-	30.4	24.0	18.1	-	-	-	-	-	45.9	37.3	29.3	32.4	25.0	18.5	-	-	206.7
213.3	-	-	-	42.4	35.3	-	29.5	23.4	17.8	-	-	-	-	-	44.7	36.5	-	31.4	24.4	18.1	-	-	213.3
216.5	-	-	-	41.9	-	-	29.1	23.1	17.6	-	-	-	-	-	44.1	36.2	-	30.9	24.0	17.9	-	-	216.5
229.7	-	-	-	-	-	-	27.3	22.0	17.0	-	-	-	-	-	40.1	35.1	-	29.1	22.9	17.4	-	-	229.7
232.9	-	-	-	-	-	-	27.0	21.8	17.0	-	-	-	-	-	39.0	-	-	28.7	22.7	17.3	-	-	232.9
242.8	-	-	-	-	-	-	26.0	21.2	-	-	-	-	-	-	-	-	-	27.6	22.0	17.0	-	-	242.8
246.1	-	-	-	-	-	-	25.7	21.1	-	-	-	-	-	-	-	-	-	27.2	21.8	16.8	-	-	246.1
249.3	-	-	-	-	-	-	25.4	20.9	-	-	-	-	-	-	-	-	-	26.9	21.6	-	-	-	249.3
252.6	-	-	-	-	-	-	25.1	-	-	-	-	-	-	-	-	-	-	26.6	21.4	-	-	-	252.6
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.2	21.2	-	-	-	255.9
265.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	20.7	-	-	-	265.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.1	-	-	-	-	269.0
272.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9	-	-	-	-	272.3

 352,800 lb  396,900 lb

 +  132,300 lb				 39.4-118.1 ft				 27.6 ft				 32.2 ft /s				360°				75%					
 196.9 ft												216.5 ft													
SH+LF_1																									
 39.4 ft				 78.7 ft				 118.1 ft				 39.4 ft				 78.7 ft				 118.1 ft					
 10°		 15°		 20°		 10°		 20°		 30°		 10°		 15°		 20°		 30°		 10°		 20°			 30°
ft		1,000 lb																				ft			
36.1	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	275.6	238.1	-	-	-	-	-	-	-	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	-	39.4
42.7	275.6	230.4	177.5	-	-	-	-	-	-	-	-	275.6	233.7	-	-	-	-	-	-	-	-	-	-	-	42.7
45.9	275.6	222.7	177.5	146.6	-	-	-	-	-	-	-	275.6	229.3	174.2	-	-	-	-	-	-	-	-	-	-	45.9
49.2	274.5	215.5	172.5	144.4	-	-	-	-	-	-	-	275.6	221.6	172.0	140.0	-	-	-	-	-	-	-	-	-	49.2
52.5	273.4	208.3	167.6	142.2	-	-	-	-	-	-	-	275.6	213.8	169.8	140.0	-	-	-	-	-	-	-	-	-	52.5
59.1	251.3	194.0	158.7	134.5	84.9	-	86.6	-	-	-	-	262.4	200.6	162.0	135.6	-	-	-	86.0	-	-	-	-	-	59.1
62.3	241.4	187.9	154.3	130.6	83.9	-	86.2	-	-	-	-	252.4	194.6	158.2	133.4	83.8	-	85.6	-	-	-	-	-	-	62.3
65.6	231.5	181.9	149.9	126.8	82.9	-	85.8	-	-	-	-	242.5	188.5	154.3	131.2	83.8	-	85.3	-	-	-	-	-	-	65.6
72.2	216.1	172.0	143.3	117.9	78.7	52.0	84.2	-	-	-	-	224.9	177.5	146.6	122.4	79.8	52.2	84.0	-	-	-	-	-	-	72.2
75.5	208.9	167.0	139.4	114.6	76.8	51.0	82.0	52.9	-	-	-	216.1	173.1	143.3	119.0	78.0	51.3	82.7	-	-	-	-	-	-	75.5
78.7	201.7	162.0	135.6	111.3	75.0	50.0	79.8	52.9	-	-	-	207.2	168.7	140.0	115.7	76.3	50.3	81.4	52.0	-	-	-	-	-	78.7
85.3	185.2	153.2	130.1	105.2	71.4	48.1	75.2	50.5	-	-	-	184.1	159.8	134.5	109.8	73.0	48.5	77.2	50.9	-	-	-	-	-	85.3
91.9	166.4	146.6	124.6	98.5	68.1	46.3	71.4	48.1	-	-	-	164.2	152.1	129.0	103.8	69.7	46.7	73.0	48.7	-	-	-	-	-	91.9
95.1	158.2	142.7	121.8	96.1	66.6	45.4	69.6	47.1	31.3	156.0	148.8	126.2	100.8	68.2	46.0	71.3	47.7	31.5	-	-	-	-	-	-	95.1
98.4	149.9	138.9	119.0	93.7	65.0	44.5	67.7	46.1	31.1	147.7	145.5	123.5	97.7	66.8	45.2	69.7	46.7	31.3	98.4	-	-	-	-	-	98.4
111.5	123.5	124.6	110.2	84.7	59.7	41.7	60.4	42.5	28.7	121.3	122.4	114.6	88.6	61.5	42.3	62.8	43.2	29.1	111.5	-	-	-	-	-	111.5
124.7	104.1	104.9	103.2	76.7	55.3	39.2	56.0	39.2	26.7	102.3	103.2	104.1	80.5	57.1	39.9	57.8	40.1	27.1	124.7	-	-	-	-	-	124.7
137.8	88.4	89.1	89.7	70.1	51.6	37.0	50.9	36.4	25.1	86.4	87.3	88.2	73.6	53.1	37.9	53.1	37.3	25.4	137.8	-	-	-	-	-	137.8
150.9	75.6	76.3	76.9	64.6	48.3	35.3	46.5	33.7	23.6	73.9	74.5	75.2	67.9	49.8	35.9	48.7	34.6	24.0	150.9	-	-	-	-	-	150.9
164.0	65.0	65.7	66.4	59.7	45.4	33.5	42.8	31.5	22.3	62.8	63.5	64.2	63.1	47.0	34.4	45.0	32.4	22.7	164.0	-	-	-	-	-	164.0
177.2	56.0	56.4	56.9	55.8	43.0	32.2	39.7	29.5	20.9	53.6	54.2	54.9	58.6	44.5	32.8	41.7	30.4	21.4	177.2	-	-	-	-	-	177.2
190.3	48.3	48.7	48.9	52.2	40.8	31.1	37.0	27.8	20.1	45.9	46.3	46.7	52.5	42.3	31.7	38.8	28.7	20.5	190.3	-	-	-	-	-	190.3
203.4	41.7	41.9	42.3	47.8	39.0	30.0	34.6	26.2	19.2	39.2	39.7	40.1	45.6	40.3	30.6	36.4	27.1	19.6	203.4	-	-	-	-	-	203.4
206.7	40.2	40.5	40.8	46.4	38.6	29.8	34.1	25.9	19.0	37.8	38.3	38.6	44.1	40.0	30.4	35.8	26.8	19.4	206.7	-	-	-	-	-	206.7
213.3	37.3	37.8	-	43.4	37.9	29.5	33.0	25.2	18.5	34.9	35.4	35.7	41.2	39.2	30.0	34.7	26.1	19.0	213.3	-	-	-	-	-	213.3
216.5	-	36.4	-	41.9	37.5	29.3	32.4	24.9	18.3	33.5	34.0	34.2	39.7	38.8	29.8	34.2	25.8	18.7	216.5	-	-	-	-	-	216.5
223.1	-	-	-	39.2	36.8	29.1	31.5	24.4	18.0	31.1	31.4	31.5	37.0	37.3	29.4	33.2	25.2	18.4	223.1	-	-	-	-	-	223.1
229.7	-	-	-	36.6	36.2	-	30.6	23.8	17.6	28.7	28.9	-	34.4	35.7	29.1	32.2	24.7	18.1	229.7	-	-	-	-	-	229.7
232.9	-	-	-	35.4	35.4	-	30.2	23.5	17.5	-	27.8	-	33.2	34.5	29.0	31.7	24.4	17.9	232.9	-	-	-	-	-	232.9
236.2	-	-	-	34.3	34.6	-	29.8	23.3	17.4	-	-	-	32.1	33.3	28.9	31.3	24.1	17.7	236.2	-	-	-	-	-	236.2
242.8	-	-	-	32.0	33.1	-	28.9	22.7	17.2	-	-	-	29.8	30.9	-	30.4	23.6	17.4	242.8	-	-	-	-	-	242.8
246.1	-	-	-	31.0	32.0	-	28.5	22.5	17.1	-	-	-	28.8	29.8	-	30.0	23.4	17.3	246.1	-	-	-	-	-	246.1
249.3	-	-	-	30.0	-	-	28.2	22.3	17.0	-	-	-	27.8	28.8	-	29.7	23.1	17.2	249.3	-	-	-	-	-	249.3
255.9	-	-	-	-	-	-	27.6	21.8	16.8	-	-	-	25.8	26.7	-	28.9	22.7	17.0	255.9	-	-	-	-	-	255.9
259.2	-	-	-	-	-	-	27.2	21.7	16.8	-	-	-	24.9	25.6	-	28.2	22.5	16.9	259.2	-	-	-	-	-	259.2
269.0	-	-	-	-	-	-	26.2	21.2	-	-	-	-	22.0	-	-	26.0	21.8	16.5	269.0	-	-	-	-	-	269.0
275.6	-	-	-	-	-	-	25.6	20.9	-	-	-	-	-	-	-	24.4	21.5	16.5	275.6	-	-	-	-	-	275.6
282.2	-	-	-	-	-	-	24.9	20.7	-	-	-	-	-	-	-	22.7	21.2	-	282.2	-	-	-	-	-	282.2
288.7	-	-	-	-	-	-	23.4	-	-	-	-	-	-	-	-	21.2	20.9	-	288.7	-	-	-	-	-	288.7
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	20.7	-	295.3	-	-	-	-	-	295.3
298.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9	20.1	-	298.6	-	-	-	-	-	298.6
305.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.4	-	-	305.1	-	-	-	-	-	305.1

 352,800 lb  396,900 lb

 +  132,300 lb				 39.4-118.1 ft				 27.6 ft				 32.2 ft /s				360°				75%			
 236.2 ft												255.9 ft											
SH+LF_1																							
 39.4 ft		78.7 ft		118.1 ft		39.4 ft		78.7 ft		118.1 ft													
 10° 15° 20°		10° 20° 30°		10° 20° 30°		10° 15° 20°		10° 20° 30°		10° 15° 20°		10° 20° 30°		10° 20° 30°									
ft		1,000 lb																ft					
39.4	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4					
42.7	275.6	238.1	-	-	-	-	-	-	-	-	275.6	-	-	-	-	-	-	42.7					
45.9	275.6	233.7	176.4	-	-	-	-	-	-	-	275.6	233.7	-	-	-	-	-	45.9					
49.2	275.6	226.0	174.7	136.7	-	-	-	-	-	-	275.6	228.2	174.2	-	-	-	-	49.2					
52.5	275.6	218.3	173.1	136.7	-	-	-	-	-	-	275.6	222.7	174.2	134.5	-	-	-	52.5					
59.1	271.2	205.0	164.2	135.6	-	-	-	-	-	-	271.2	210.5	166.4	134.5	-	-	-	59.1					
62.3	260.1	199.5	160.9	134.5	84.7	-	84.9	-	-	-	256.8	204.5	163.1	133.4	-	-	83.3	62.3					
65.6	249.1	194.0	157.6	133.4	84.7	-	84.9	-	-	-	242.5	198.4	159.8	132.3	83.6	-	83.3	65.6					
72.2	224.9	183.0	149.9	125.7	80.9	-	83.6	-	-	-	217.2	188.5	153.2	129.0	81.8	-	82.7	72.2					
75.5	213.8	178.6	146.6	121.8	79.1	51.6	82.9	-	-	-	206.7	184.1	150.5	125.1	80.1	-	82.1	75.5					
78.7	202.8	174.2	143.3	117.9	77.4	50.7	82.2	51.4	-	-	196.2	179.7	147.7	121.3	78.5	50.9	81.6	78.7					
82.0	191.8	169.8	140.5	115.2	75.8	49.8	80.4	51.4	-	-	187.4	175.3	144.4	117.9	76.9	50.0	80.5	82.0					
85.3	180.8	165.3	137.8	112.4	74.3	48.9	78.5	51.4	-	-	178.6	170.9	141.1	114.6	75.4	49.2	79.4	85.3					
91.9	162.0	157.6	132.3	107.4	71.2	47.2	74.7	49.4	-	-	159.8	162.0	135.6	110.2	72.5	47.6	76.1	91.9					
98.4	145.5	146.6	126.8	101.9	68.3	45.6	71.2	47.4	31.3	143.3	144.4	131.2	105.2	69.7	46.1	72.5	47.8	98.4					
111.5	119.0	120.2	117.9	92.4	63.1	43.0	65.0	43.9	29.3	116.8	117.9	119.0	95.0	64.6	43.4	66.8	44.5	111.5					
124.7	99.2	100.3	101.4	84.0	58.6	40.6	58.9	41.0	27.3	97.2	98.3	99.4	87.5	60.2	41.0	60.8	41.7	124.7					
137.8	83.6	84.4	85.3	77.2	54.9	38.4	55.3	38.1	25.8	81.4	82.5	83.3	80.2	56.2	39.0	56.7	39.0	137.8					
150.9	70.3	71.2	72.1	71.2	51.4	36.6	50.7	35.7	24.3	67.9	68.8	69.9	74.3	52.9	37.3	52.7	36.6	150.9					
164.0	59.1	60.0	60.6	66.1	48.5	35.1	47.0	33.3	22.9	56.7	57.5	58.4	64.6	50.0	35.5	48.7	34.2	164.0					
177.2	49.8	50.5	51.1	57.3	46.1	33.5	43.4	31.3	21.8	47.4	48.3	48.9	55.1	47.4	34.2	45.2	32.2	177.2					
190.3	42.1	42.5	43.2	49.2	43.7	32.2	40.6	29.5	20.7	39.5	40.1	40.8	47.0	45.0	32.8	42.3	30.4	190.3					
203.4	35.3	35.9	36.4	42.3	41.7	31.3	37.9	28.0	19.8	32.8	33.3	34.0	39.9	42.3	31.7	39.7	28.9	203.4					
216.5	29.5	30.0	30.4	36.2	38.1	30.2	35.7	26.7	19.2	26.9	27.6	28.0	34.0	35.9	30.9	37.3	27.6	216.5					
229.7	24.7	24.9	25.4	30.9	32.6	29.5	33.7	25.4	18.3	22.0	22.5	22.7	28.4	30.4	30.0	33.5	26.2	229.7					
239.5	21.4	21.6	21.8	27.4	29.0	29.0	31.6	24.5	18.0	18.7	19.0	19.4	25.0	26.8	27.7	29.9	25.4	239.5					
242.8	20.3	20.5	-	26.2	27.8	28.9	30.9	24.3	17.9	17.6	17.9	18.3	23.8	25.6	26.9	28.7	25.1	242.8					
249.3	18.3	18.5	-	24.1	25.6	26.7	28.8	23.8	17.5	15.7	16.0	16.3	21.7	23.4	24.6	26.6	24.6	249.3					
255.9	-	-	-	22.0	23.4	-	26.7	23.4	17.2	13.7	14.1	14.3	19.6	21.2	22.3	24.5	24.0	255.9					
265.7	-	-	-	19.4	20.6	-	23.9	22.7	16.9	11.2	11.5	-	17.0	18.2	19.2	21.5	23.0	265.7					
269.0	-	-	-	18.5	19.6	-	22.9	22.5	16.8	-	-	-	16.1	17.2	-	20.5	22.7	269.0					
275.6	-	-	-	16.9	17.6	-	21.2	21.8	16.6	-	-	-	14.4	15.5	-	18.7	20.8	275.6					
282.2	-	-	-	15.2	-	-	19.4	21.2	16.5	-	-	-	12.8	13.9	-	17.2	19.0	282.2					
285.4	-	-	-	14.6	-	-	18.6	20.3	16.4	-	-	-	12.1	13.0	-	16.4	18.3	285.4					
288.7	-	-	-	-	-	-	17.9	19.5	16.3	-	-	-	11.4	12.1	-	15.7	17.4	288.7					
292.0	-	-	-	-	-	-	17.1	18.7	-	-	-	-	10.6	11.5	-	14.9	16.5	292.0					
295.3	-	-	-	-	-	-	16.3	17.9	-	-	-	-	9.9	-	-	14.1	15.7	295.3					
301.8	-	-	-	-	-	-	14.9	16.3	-	-	-	-	8.4	-	-	12.6	14.1	301.8					
308.4	-	-	-	-	-	-	13.4	14.8	-	-	-	-	-	-	-	11.2	12.6	308.4					
315.0	-	-	-	-	-	-	12.1	13.2	-	-	-	-	-	-	-	9.9	11.2	315.0					
321.5	-	-	-	-	-	-	11.0	-	-	-	-	-	-	-	-	8.6	9.9	321.5					
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	9.3	324.8					
331.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	331.4					

 352,800 lb  396,900 lb

 +  132,300 lb		 39.4-118.1 ft		 27.6 ft		 32.2 ft /s		360°		75%		
												
ft		1,000 lb										ft
42.7	275.6	-	-	-	-	-	-	-	-	-	42.7	
45.9	275.6	229.3	-	-	-	-	-	-	-	-	45.9	
49.2	275.6	228.2	172.0	-	-	-	-	-	-	-	49.2	
52.5	275.6	227.1	172.0	132.3	-	-	-	-	-	-	52.5	
59.1	262.4	215.0	168.7	132.3	-	-	-	-	-	-	59.1	
65.6	233.7	203.9	162.0	131.2	82.7	-	82.5	-	-	-	65.6	
72.2	209.4	192.9	155.4	130.1	82.7	-	82.0	-	-	-	72.2	
78.7	188.5	184.1	149.9	124.6	79.4	51.1	80.9	-	-	-	78.7	
85.3	170.9	173.1	144.4	117.9	76.3	49.4	79.8	51.1	-	-	85.3	
91.9	155.4	157.6	138.9	112.4	73.6	47.8	76.9	50.3	-	-	91.9	
98.4	140.0	142.2	134.5	108.0	71.0	46.5	73.9	48.5	-	-	98.4	
101.7	133.4	135.6	130.1	105.7	69.7	45.9	72.5	47.7	31.1	-	101.7	
111.5	113.5	115.7	116.8	98.5	65.9	43.9	68.3	45.2	29.5	-	111.5	
124.7	94.4	95.5	96.8	90.8	61.5	41.7	62.8	42.3	27.8	-	124.7	
137.8	77.8	79.1	80.2	83.6	57.8	39.5	57.8	39.9	26.2	-	137.8	
150.9	64.2	65.3	66.4	73.0	54.2	37.7	54.7	37.3	24.9	-	150.9	
164.0	53.1	54.0	54.9	61.5	51.4	36.2	50.5	35.1	23.6	-	164.0	
177.2	43.7	44.5	45.4	51.8	48.7	34.6	47.0	33.1	22.5	-	177.2	
190.3	35.7	36.6	37.3	43.7	46.3	33.3	43.9	31.3	21.4	-	190.3	
203.4	29.1	29.8	30.2	36.6	39.2	32.2	41.2	29.8	20.5	-	203.4	
216.5	23.1	23.8	24.3	30.4	32.8	31.3	35.9	28.2	19.8	-	216.5	
229.7	18.1	18.5	19.0	25.1	27.3	29.1	30.4	26.9	19.0	-	229.7	
242.8	13.7	14.1	14.6	20.3	22.3	23.8	25.6	25.8	18.3	-	242.8	
255.9	9.7	10.1	10.4	16.3	17.9	19.4	21.2	24.0	17.9	-	255.9	
262.5	7.9	8.4	8.6	14.4	15.9	17.3	19.2	21.9	17.5	-	262.5	
265.7	-	-	7.7	13.5	14.9	16.3	18.3	20.9	17.4	-	265.7	
269.0	-	-	-	12.6	13.9	15.2	17.4	19.8	17.2	-	269.0	
278.9	-	-	-	10.1	11.4	12.3	14.8	17.0	16.9	-	278.9	
282.2	-	-	-	9.3	10.6	-	13.9	16.1	16.8	-	282.2	
285.4	-	-	-	8.4	9.8	-	13.1	15.3	16.1	-	285.4	
292.0	-	-	-	-	8.2	-	11.6	13.6	14.9	-	292.0	
295.3	-	-	-	-	-	-	10.8	12.8	14.3	-	295.3	
308.4	-	-	-	-	-	-	7.9	9.7	11.0	-	308.4	
315.0	-	-	-	-	-	-	-	8.2	9.5	-	315.0	
		352,800 lb		396,900 lb								

 352,800 lb  396,900 lb

 +  132,300 lb			 39.4 ft			 27.6 ft			 32.2 ft /s			360°			75%		
 216.5 ft			 236.2 ft			 255.9 ft			 275.6 ft								
LH+LF_2			LH+LF_2			LH+LF_3			LH+LF_2			LH+LF_3					
 39.4 ft																	
10° 15° 20°			10° 15° 20°			10° 15° 20°			10° 15° 20°			10° 15° 20°			10° 15° 20°		
ft						1,000 lb						ft					
39.4	275.6	-	275.6	-	-	-	-	-	-	-	-	39.4	-	-	-	-	-
42.7	275.6	240.3	275.6	235.9	-	255.7	-	-	275.6	-	-	42.7	235.9	-	-	275.6	-
45.9	275.6	231.5	175.3	275.6	235.9	175.3	255.7	222.7	-	275.6	257.9	45.9	235.9	211.6	-	275.6	246.9
49.2	275.6	223.8	170.3	275.6	228.2	172.0	251.3	221.0	172.0	275.6	253.5	49.2	234.8	211.6	176.4	275.6	246.9
52.5	275.6	216.1	165.3	275.6	220.5	168.7	246.9	219.4	170.9	275.6	249.1	52.5	233.7	211.6	173.1	275.6	246.9
59.1	269.0	201.7	156.5	264.6	207.2	159.8	240.3	209.4	162.0	273.4	233.7	59.1	227.1	207.2	164.2	264.6	235.9
65.6	249.1	189.6	148.8	251.3	196.2	152.1	233.7	200.6	155.4	242.5	220.5	65.6	222.7	202.8	157.6	235.9	222.7
72.2	231.5	179.7	142.2	227.1	185.2	145.5	220.5	190.7	148.8	219.4	209.4	72.2	216.1	195.1	151.0	211.6	212.7
78.7	209.4	169.8	135.6	206.1	175.3	138.9	200.6	180.8	142.2	197.3	199.5	78.7	195.1	186.3	145.5	190.7	192.9
85.3	185.2	160.9	130.1	184.1	167.6	133.4	183.0	172.0	136.7	179.7	181.9	85.3	177.5	177.5	140.0	173.1	175.3
91.9	166.4	153.2	124.6	164.2	159.8	127.9	163.1	164.2	131.2	160.9	163.1	91.9	162.0	163.1	134.5	157.6	159.8
98.4	149.9	146.6	120.2	148.8	149.9	123.5	146.6	148.8	126.8	144.4	145.5	98.4	145.5	146.6	130.1	142.2	143.3
111.5	123.5	124.6	111.3	122.4	123.5	114.6	120.2	122.4	117.9	117.9	119.0	111.5	119.0	120.2	121.3	115.7	116.8
124.7	103.8	104.7	104.5	102.3	103.4	104.3	101.0	102.1	103.0	98.3	99.4	124.7	99.2	100.3	101.4	95.9	97.2
137.8	88.2	88.8	89.7	86.6	87.5	88.4	85.3	86.2	87.1	82.5	83.6	137.8	83.3	84.4	85.3	79.8	80.9
150.9	75.4	76.1	76.7	74.1	74.7	75.4	72.3	73.2	74.1	69.0	70.1	150.9	70.1	71.0	72.1	66.1	67.2
164.0	64.8	65.5	66.1	63.1	63.7	64.4	61.3	61.9	62.8	58.0	58.9	164.0	58.9	59.7	60.6	54.9	56.0
177.2	55.6	56.2	56.7	53.8	54.5	54.9	52.0	52.7	53.4	48.7	49.4	177.2	49.6	50.5	51.1	45.6	46.5
190.3	47.8	48.3	48.7	45.9	46.5	47.0	44.1	44.8	45.2	40.8	41.4	190.3	41.7	42.3	43.0	37.7	38.4
203.4	41.0	41.4	41.9	39.2	39.7	40.1	37.3	37.9	38.4	34.0	34.6	203.4	35.1	35.5	36.2	30.9	31.5
216.5	35.5	35.7	36.2	33.5	34.0	34.2	31.5	32.0	32.4	28.2	28.7	216.5	29.1	29.8	30.2	25.1	25.6
223.1	33.1	33.3	33.5	31.0	31.4	31.6	29.0	29.4	29.9	25.7	26.1	223.1	26.6	27.1	27.6	22.5	23.0
229.7	30.6	30.9	-	28.4	28.9	29.1	26.5	26.9	27.3	23.1	23.6	229.7	24.0	24.5	24.9	20.1	20.5
232.9	29.5	29.8	-	27.4	27.8	28.0	25.4	25.8	26.2	22.0	22.5	232.9	22.9	23.4	23.8	19.0	19.4
239.5	-	-	-	25.3	25.6	25.8	23.3	23.6	24.0	19.8	20.3	239.5	20.7	21.2	21.6	16.8	17.2
242.8	-	-	-	24.3	24.5	-	22.3	22.5	22.9	18.7	19.2	242.8	19.6	20.1	20.5	15.7	16.1
249.3	-	-	-	22.3	22.5	-	20.2	20.6	20.9	16.9	17.2	249.3	17.7	18.1	18.5	13.7	14.0
255.9	-	-	-	-	-	-	18.3	18.7	19.0	15.0	15.2	255.9	15.9	16.1	16.5	11.7	12.1
265.7	-	-	-	-	-	-	15.9	16.1	-	12.3	12.8	265.7	13.2	13.6	13.9	9.2	9.5
269.0	-	-	-	-	-	-	-	-	-	-	-	269.0	12.3	12.8	13.0	8.4	8.6
272.3	-	-	-	-	-	-	-	-	-	-	-	272.3	11.6	12.0	-	-	7.7
282.2	-	-	-	-	-	-	-	-	-	-	-	282.2	9.5	9.7	-	-	-
285.4	-	-	-	-	-	-	-	-	-	-	-	285.4	-	9.0	-	-	-

 352,800 lb  396,900 lb

 +  132,300 lb				 39.4 ft				 27.6 ft				 32.2 ft /s				360°				75%	
		295.3 ft						315.0 ft						334.6 ft							
		LH+LF_2		LH+LF_3				LH+LF_2		LH+LF_3				LH+LF_2		LH+LF_3					
		 39.4 ft																			
		10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°		
ft							1,000 lb										ft				
45.9	200.6	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9	
49.2	200.6	184.1	-	275.6	244.7	-	190.7	-	-	242.5	-	-	159.8	-	-	227.1	-	-	-	49.2	
52.5	200.6	184.1	169.8	275.6	244.7	188.5	190.7	176.4	-	242.5	227.1	183.0	159.8	147.7	136.7	227.1	216.1	184.1	-	52.5	
55.8	197.9	182.4	168.1	264.6	242.5	188.5	188.5	175.3	162.0	240.3	227.1	183.0	158.7	147.7	136.7	227.1	216.1	184.1	55.8		
59.1	195.1	180.8	166.4	253.5	240.3	188.5	186.3	174.2	162.0	238.1	227.1	183.0	157.6	147.7	136.7	227.1	216.1	184.1	59.1		
65.6	189.6	176.4	159.8	227.1	229.3	180.8	181.9	169.8	158.7	219.4	219.4	179.7	153.2	144.4	135.6	211.6	212.7	180.8	65.6		
72.2	185.2	172.0	153.2	203.9	206.1	174.2	177.5	166.4	155.4	197.3	199.5	173.1	148.8	140.0	132.3	189.6	191.8	175.3	72.2		
78.7	179.7	167.6	147.7	183.0	186.3	167.6	173.1	163.1	149.9	177.5	179.7	166.4	145.5	136.7	129.0	170.9	173.1	169.8	78.7		
85.3	172.0	164.2	142.2	166.4	168.7	160.9	166.4	158.7	144.4	160.9	163.1	160.9	141.1	133.4	126.8	154.3	156.5	158.7	85.3		
91.9	157.6	158.7	136.7	151.0	153.2	155.4	152.1	154.3	140.0	146.6	148.8	151.0	137.8	130.1	123.5	140.0	142.2	144.4	91.9		
98.4	143.3	145.5	132.3	137.8	140.0	142.2	140.0	141.1	134.5	133.4	135.6	137.8	134.5	127.9	121.3	127.9	130.1	131.2	98.4		
111.5	116.8	117.9	120.2	112.4	114.6	115.7	115.7	116.8	117.9	111.3	112.4	113.5	113.5	114.6	116.8	106.9	108.7	110.2	111.5		
124.7	97.4	98.5	99.6	92.8	94.1	95.5	95.5	96.8	97.9	90.8	92.4	93.7	93.9	95.2	96.3	87.3	89.1	90.6	124.7		
137.8	81.6	82.7	83.6	76.1	77.4	78.7	79.4	80.5	81.8	73.9	75.2	76.7	77.2	78.5	79.8	70.3	71.9	73.2	137.8		
150.9	67.9	69.0	69.9	62.4	63.7	64.8	65.7	66.8	67.7	60.2	61.5	62.6	63.5	64.8	65.9	56.4	57.8	59.1	150.9		
164.0	56.7	57.5	58.4	51.1	52.2	53.1	54.5	55.3	56.2	48.9	50.0	51.1	52.2	53.4	54.5	45.2	46.3	47.6	164.0		
177.2	47.4	48.3	48.9	41.9	42.8	43.7	45.0	45.9	46.7	39.5	40.6	41.4	43.0	43.9	44.8	35.7	36.8	37.9	177.2		
190.3	39.5	40.1	40.8	34.0	34.6	35.5	37.0	37.9	38.6	31.5	32.4	33.3	35.1	35.7	36.6	27.8	28.7	29.5	190.3		
203.4	32.6	33.3	34.0	27.1	27.8	28.4	30.2	30.9	31.5	24.7	25.6	26.2	28.2	28.9	29.5	20.9	21.8	22.5	203.4		
216.5	26.9	27.3	28.0	21.2	21.8	22.5	24.5	24.9	25.6	18.7	19.4	20.1	22.3	22.9	23.6	15.0	15.7	16.3	216.5		
219.8	25.6	26.1	26.7	19.9	20.5	20.9	23.1	23.6	24.3	17.5	18.1	18.7	-	-	22.0	13.7	14.3	15.0	219.8		
229.7	21.6	22.3	22.7	16.1	16.5	17.2	19.2	19.8	20.3	13.7	14.3	14.8	-	-	-	9.7	10.4	11.0	229.7		
232.9	20.5	20.9	21.5	14.9	15.4	16.0	18.1	18.7	19.1	12.5	13.2	13.7	-	-	-	8.6	9.3	9.8	232.9		
236.2	19.4	19.8	20.3	13.7	14.3	14.8	17.0	17.5	18.0	11.4	12.0	12.5	-	-	-	-	8.2	8.6	236.2		
242.8	17.2	17.6	18.1	11.7	12.1	12.6	14.8	15.2	15.7	9.0	9.7	10.1	-	-	-	-	-	-	242.8		
246.1	16.2	16.6	17.1	10.7	11.1	11.5	13.7	14.2	14.7	8.2	8.6	9.1	-	-	-	-	-	-	246.1		
249.3	15.2	15.7	16.1	9.6	10.1	10.5	12.7	13.2	13.7	-	-	8.2	-	-	-	-	-	-	249.3		
252.6	14.2	14.7	15.1	8.6	9.1	9.4	11.8	12.2	12.7	-	-	-	-	-	-	-	-	-	252.6		
255.9	13.2	13.7	14.1	-	8.2	8.4	10.8	11.2	11.7	-	-	-	-	-	-	-	-	-	255.9		
265.7	10.7	11.0	11.5	-	-	-	8.2	8.6	9.0	-	-	-	-	-	-	-	-	-	265.7		
269.0	9.9	10.1	10.6	-	-	-	-	-	8.2	-	-	-	-	-	-	-	-	-	269.0		
275.6	8.4	8.7	9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275.6		
278.9	-	7.9	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	278.9		
		352,800 lb		396,900 lb																	

 352,800 lb  396,900 lb

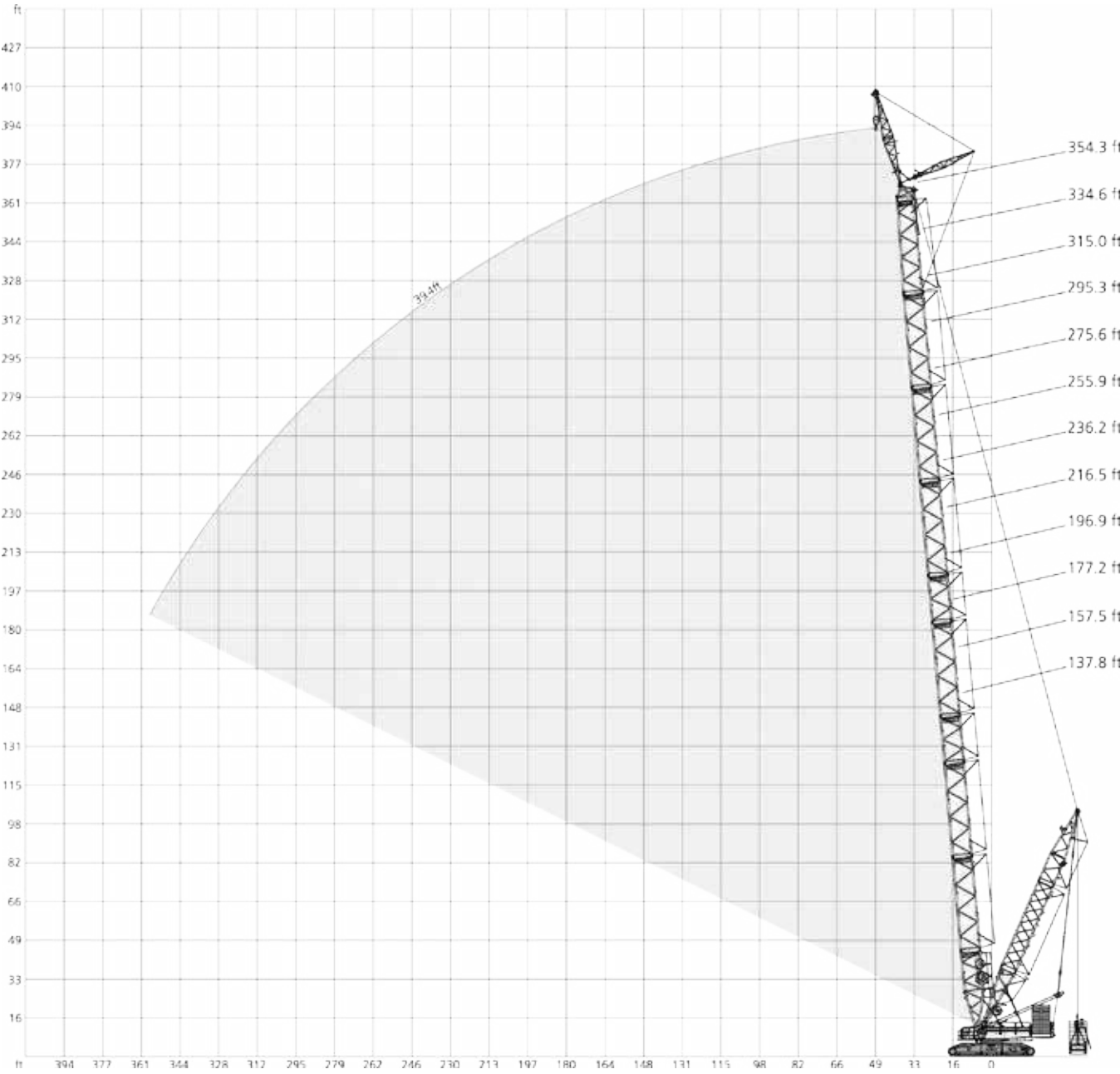
 +  132,300 lb			 78.7 ft			 27.6 ft			 32.2 ft / s			360°			75%			
 216.5 ft			 236.2 ft			 255.9 ft			 275.6 ft			 295.3 ft			 315.0 ft			
LH+LF_2																		
 78.7 ft																		
 10°			 20°		 30°		 10°		 20°		 30°		 10°		 20°		 30°	
ft						1,000 lb									ft			
49.2	143.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.2
52.5	143.3	-	-	134.5	-	-	130.1	-	-	-	-	-	-	-	-	-	-	52.5
55.8	142.7	-	-	133.9	-	-	130.1	-	-	126.8	-	-	119.0	-	-	-	-	55.8
59.1	142.2	-	-	133.4	-	-	130.1	-	-	126.8	-	-	119.0	-	-	114.6	-	59.1
62.3	140.5	83.8	-	132.3	84.0	-	129.5	-	-	126.2	-	-	119.0	-	-	114.1	-	62.3
65.6	138.9	81.6	-	131.2	82.7	-	129.0	82.5	-	125.7	-	-	119.0	-	-	113.5	-	65.6
68.9	133.9	79.6	-	127.9	80.7	-	127.9	81.0	-	125.1	82.5	-	118.5	83.1	-	113.0	-	68.9
72.2	129.0	77.6	-	124.6	78.7	-	126.8	79.6	-	124.6	80.5	-	117.9	81.4	-	112.4	82.0	72.2
75.5	124.6	75.7	47.4	121.3	76.9	47.6	123.5	77.9	-	124.0	78.8	-	117.4	79.7	-	111.9	80.5	75.5
78.7	120.2	73.9	46.5	117.9	75.2	46.7	120.2	76.3	47.0	123.5	77.2	47.0	116.8	78.0	-	111.3	78.9	78.7
82.0	116.3	72.2	45.7	114.6	73.5	46.0	116.8	74.6	46.2	122.9	75.6	46.3	116.3	76.5	46.3	111.3	77.4	82.0
85.3	112.4	70.5	45.0	111.3	71.9	45.2	113.5	73.0	45.4	122.4	74.1	45.6	115.7	75.0	45.6	111.3	75.8	85.3
91.9	106.7	67.5	43.4	106.9	68.8	43.7	108.9	70.1	44.1	117.9	71.2	44.3	114.6	72.1	44.3	110.2	73.2	91.9
98.4	100.8	64.6	41.9	101.6	66.1	42.3	104.1	67.2	42.8	112.4	68.6	43.0	112.4	69.4	43.2	109.3	70.5	98.4
111.5	90.4	59.7	39.5	92.6	61.1	39.9	94.4	62.4	40.3	101.6	63.7	40.6	104.9	64.8	41.0	105.2	65.9	111.5
124.7	82.0	55.3	37.3	85.8	56.9	37.7	88.6	58.2	38.1	92.6	59.5	38.6	95.9	60.6	38.8	99.0	61.7	124.7
137.8	75.0	51.8	35.3	78.5	53.4	35.9	81.8	54.7	36.4	85.1	56.0	36.8	88.2	57.1	37.0	86.9	58.2	137.8
150.9	69.0	48.7	33.7	72.3	50.0	34.2	75.6	51.4	34.6	77.2	52.7	35.1	75.6	53.8	35.5	73.9	54.9	150.9
164.0	63.9	45.9	32.2	67.0	47.2	32.8	68.3	48.7	33.3	66.4	49.8	33.7	64.4	51.1	34.2	62.2	52.0	164.0
177.2	59.7	43.4	30.9	60.4	44.8	31.5	58.9	46.1	32.0	56.9	47.4	32.4	54.7	48.5	32.8	52.7	49.6	177.2
190.3	54.2	41.4	30.0	52.5	42.8	30.4	50.7	43.9	30.9	48.7	45.2	31.3	46.5	46.3	31.7	44.5	47.4	190.3
203.4	47.2	39.5	28.9	45.4	40.8	29.3	43.9	41.9	29.8	41.7	43.2	30.2	39.5	42.1	30.6	37.5	40.1	203.4
216.5	41.2	37.9	28.2	39.5	39.0	28.7	37.7	39.7	29.1	35.5	37.7	29.3	33.5	35.7	29.8	31.3	33.7	216.5
229.7	35.9	36.6	27.6	34.2	35.7	28.0	32.4	34.2	28.2	30.2	32.2	28.7	28.2	30.2	28.9	26.0	28.2	229.7
232.9	34.8	35.6	27.6	33.0	34.5	27.8	31.3	33.0	28.1	29.0	31.0	28.5	27.0	29.0	28.4	24.8	27.0	232.9
242.8	31.3	32.6	-	29.5	30.9	27.3	27.8	29.3	27.6	25.6	27.3	28.0	23.4	25.4	26.9	21.2	23.1	242.8
246.1	30.3	31.5	-	28.5	29.8	27.3	26.7	28.3	27.2	24.5	26.2	27.1	22.3	24.3	25.7	20.1	22.0	246.1
255.9	27.3	28.2	-	25.6	26.7	-	23.6	25.1	26.0	21.4	22.9	24.3	19.2	20.9	22.3	17.0	19.0	255.9
259.2	26.5	27.3	-	24.6	25.7	-	22.7	24.1	25.1	20.5	22.0	23.3	18.3	20.0	21.2	16.0	18.0	259.2
269.0	23.8	-	-	21.8	22.7	-	20.1	21.2	-	17.9	19.2	20.3	15.7	17.0	18.3	13.2	15.0	269.0
272.3	-	-	-	21.0	21.8	-	19.2	20.3	-	17.0	18.3	19.2	14.8	16.1	17.4	12.3	14.1	272.3
275.6	-	-	-	20.2	20.9	-	18.3	19.4	-	16.2	17.4	-	13.9	15.3	16.4	11.5	13.2	275.6
282.2	-	-	-	18.5	-	-	16.8	17.6	-	14.6	15.7	-	12.1	13.7	14.6	9.9	11.5	282.2
285.4	-	-	-	17.9	-	-	16.0	16.9	-	13.7	14.9	-	11.4	12.8	13.9	9.1	10.6	285.4
288.7	-	-	-	-	-	-	15.3	16.2	-	12.9	14.1	-	10.7	12.0	-	8.4	9.8	288.7
292.0	-	-	-	-	-	-	14.6	15.4	-	12.1	13.3	-	10.0	11.2	-	-	9.0	292.0
295.3	-	-	-	-	-	-	13.9	-	-	11.5	12.6	-	9.3	10.4	-	-	8.2	295.3
298.6	-	-	-	-	-	-	13.2	-	-	10.8	11.8	-	8.6	9.6	-	-	8.6	298.6
301.8	-	-	-	-	-	-	12.6	-	-	10.1	11.1	-	7.9	8.9	-	-	-	301.8
305.1	-	-	-	-	-	-	-	-	-	9.5	10.4	-	-	8.2	-	-	-	305.1
308.4	-	-	-	-	-	-	-	-	-	8.8	9.7	-	-	-	-	-	-	308.4
311.7	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	-	311.7

 352,800 lb  396,900 lb

 132,300 lb  78.7 ft / 118.1 ft  27.6 ft  32.2 ft / s 360° 75%							
 334.6 ft  LH+LF_2  78.7 ft  10° 20° 30°				 216.5 ft  LH+LF_2  118.1 ft  10° 20° 30°			
ft	1,000 lb			ft	1,000 lb		
59.1	106.3	-	-	59.1	86.0	-	-
65.6	106.3	-	-	65.6	85.3	-	-
72.2	104.3	82.7	-	72.2	84.0	-	-
78.7	102.3	79.6	-	78.7	82.7	53.1	-
85.3	100.3	76.7	45.9	85.3	81.4	50.5	-
91.9	97.9	73.9	44.5	91.9	78.3	48.3	-
98.4	95.5	71.4	43.4	98.4	73.6	46.1	28.7
111.5	91.1	66.8	41.2	111.5	65.9	42.3	26.7
124.7	87.1	62.8	39.5	124.7	59.5	39.0	25.1
137.8	83.1	59.3	37.7	137.8	54.0	36.2	23.6
150.9	71.9	56.0	36.2	150.9	49.6	33.7	22.3
164.0	60.4	53.1	34.8	164.0	45.6	31.5	20.9
177.2	50.7	50.7	33.5	177.2	42.3	29.8	20.1
190.3	42.5	45.6	32.4	190.3	39.5	28.0	19.0
203.4	35.5	38.4	31.3	203.4	36.8	26.5	18.3
216.5	29.3	32.0	30.4	216.5	34.6	25.1	17.6
229.7	24.0	26.5	28.4	229.7	32.6	24.0	17.0
242.8	19.2	21.4	23.4	242.8	30.9	22.9	16.3
255.9	15.0	17.0	18.7	255.9	29.3	22.0	15.9
269.0	11.2	13.0	14.6	269.0	27.6	21.4	15.7
282.2	7.9	9.5	11.0	282.2	24.0	20.7	-
288.7	-	7.9	9.3	295.3	20.9	20.3	-
292.0	-	-	8.4	298.6	20.3	20.1	-
				305.1	19.0	-	-
 352,800 lb 396,900 lb							

 +  132,300 lb				 118.1 ft				 27.6 ft				 32.2 ft /s				360°				75%															
 236.5 ft				 255.9 ft				 275.6 ft				 295.3 ft				 315.0 ft				 334.6 ft															
LH+LF_2																																			
118.1 ft																																			
 10°				 20°				 30°				 10°				 20°				 30°				 10°				 20°				 30°			
ft								1,000 lb												ft															
62.3	83.3	-	-	80.7	-	-	-	-	-	-	-	-	-	-	-	-	-	62.3																	
65.6	83.3	-	-	80.7	-	-	79.4	-	-	75.2	-	-	-	-	-	-	-	65.6																	
68.9	82.8	-	-	80.5	-	-	79.1	-	-	75.2	-	-	69.0	-	-	65.3	-	68.9																	
72.2	82.2	-	-	80.2	-	-	78.9	-	-	75.2	-	-	69.0	-	-	65.3	-	72.2																	
78.7	81.1	-	-	79.4	-	-	78.3	-	-	74.7	-	-	68.8	-	-	65.3	-	78.7																	
82.0	79.5	51.1	-	78.5	50.3	-	77.9	-	-	74.5	-	-	68.5	-	-	65.0	-	82.0																	
85.3	77.8	51.1	-	77.6	50.3	-	77.6	52.2	-	74.3	52.7	-	68.1	-	-	64.8	-	85.3																	
88.6	76.1	50.0	-	76.1	49.8	-	77.2	51.1	-	74.0	51.6	-	67.9	52.0	-	64.6	52.2	88.6																	
91.9	74.3	48.9	-	74.5	49.4	-	76.7	50.0	-	73.6	50.5	-	67.7	50.9	-	64.4	51.4	91.9																	
98.4	71.0	46.7	-	71.7	47.4	-	75.8	48.1	-	73.0	48.5	-	67.0	48.9	-	63.9	49.4	98.4																	
101.7	69.4	45.8	28.4	70.2	46.5	28.4	74.9	47.1	-	72.5	47.6	-	66.7	48.1	-	63.7	48.6	101.7																	
105.0	67.9	44.9	27.9	68.8	45.5	28.0	74.0	46.2	28.0	72.0	46.7	28.0	66.4	47.3	-	63.4	47.7	105.0																	
108.3	66.4	43.9	27.4	67.4	44.6	27.6	73.0	45.2	27.6	71.5	45.9	27.6	66.0	46.5	27.6	63.1	46.9	108.3																	
111.5	64.8	43.0	26.9	65.9	43.7	27.1	72.1	44.3	27.1	71.0	45.0	27.1	65.7	45.6	27.3	62.8	46.1	111.5																	
124.7	58.6	39.9	25.4	60.4	40.6	25.4	66.1	41.2	25.6	67.2	41.9	25.8	64.2	42.5	25.8	61.5	43.0	124.7																	
137.8	55.3	37.0	23.8	56.2	37.7	24.0	60.4	38.6	24.3	62.4	39.2	24.3	62.8	39.9	24.5	60.2	40.3	137.8																	
150.9	51.6	34.6	22.5	53.4	35.3	22.7	55.8	36.2	22.9	57.5	36.8	23.1	59.5	37.5	23.1	58.9	38.1	150.9																	
164.0	47.6	32.4	21.4	49.6	33.3	21.6	51.6	34.0	21.8	53.4	34.6	22.0	55.1	35.3	22.3	56.9	35.9	164.0																	
177.2	44.3	30.4	20.3	46.1	31.3	20.5	47.8	32.0	20.7	49.6	32.8	20.9	51.4	33.5	21.2	52.9	34.0	177.2																	
190.3	41.2	28.9	19.4	43.0	29.5	19.6	44.8	30.4	19.8	46.3	31.1	20.1	48.1	31.7	20.3	48.1	32.4	190.3																	
203.4	38.6	27.3	18.5	40.1	28.0	18.7	41.9	28.9	19.0	43.4	29.5	19.2	42.5	30.2	19.4	40.8	30.6	203.4																	
216.5	36.2	26.0	17.9	37.9	26.7	18.1	39.5	27.3	18.3	38.4	28.0	18.5	36.4	28.7	18.7	34.6	29.3	216.5																	
229.7	34.2	24.7	17.2	35.7	25.6	17.4	34.8	26.2	17.6	32.8	26.9	17.9	30.9	27.6	18.1	29.1	28.0	229.7																	
242.8	32.2	23.8	16.5	32.2	24.5	17.0	30.0	25.1	17.2	28.0	25.8	17.2	26.0	26.2	17.4	24.0	26.9	242.8																	
255.9	29.5	22.7	16.1	27.8	23.4	16.3	25.8	24.0	16.5	23.8	24.7	16.8	21.6	24.5	17.0	19.8	22.9	255.9																	
269.0	25.8	22.0	15.9	24.0	22.5	15.9	22.0	23.1	16.1	19.8	22.3	16.3	17.9	20.5	16.5	15.9	18.7	269.0																	
282.2	22.3	21.2	15.4	20.5	21.8	15.7	18.5	20.5	15.7	16.5	18.5	15.9	14.3	16.8	16.1	12.3	15.0	282.2																	
285.4	21.5	21.0	15.4	19.7	21.2	15.6	17.7	19.7	15.6	15.7	17.9	15.8	13.6	15.9	15.9	11.6	14.1	285.4																	
295.3	19.2	20.5	-	17.4	19.2	15.4	15.4	17.2	15.4	13.2	15.2	15.7	11.2	13.4	15.2	9.3	11.7	295.3																	
298.6	18.5	19.8	-	16.8	18.4	15.2	14.7	16.4	15.4	12.6	14.5	15.2	10.5	12.6	14.4	8.5	10.9	298.6																	
301.8	17.9	19.1	-	16.1	17.6	-	14.0	15.7	15.4	11.9	13.8	14.7	9.8	11.8	13.6	7.7	10.1	301.8																	
308.4	16.5	17.6	-	14.8	16.1	-	12.6	14.1	15.2	10.6	12.3	13.7	8.4	10.4	11.9	-	8.6	308.4																	
311.7	15.9	17.0	-	14.1	15.4	-	11.9	13.4	14.8	9.9	11.6	13.0	-	9.6	11.2	-	7.9	311.7																	
315.0	15.2	16.1	-	13.4	14.7	-	11.2	12.8	-	9.3	10.9	12.3	-	8.9	10.5	-	8.9	315.0																	
318.2	14.6	-	-	12.8	13.9	-	10.6	12.1	-	8.6	10.2	11.6	-	8.2	9.8	-	8.2	318.2																	
321.5	13.9	-	-	12.1	13.2	-	9.9	11.5	-	7.9	9.5	10.8	-	-	9.0	-	-	321.5																	
324.8	-	-	-	11.6	12.7	-	9.3	10.8	-	-	8.8	10.1	-	-	8.4	-	-	324.8																	
328.1	-	-	-	11.0	12.1	-	8.7	10.1	-	-	8.2	-	-	-	-	-	-	328.1																	
331.4	-	-	-	10.5	11.5	-	8.2	9.5	-	-	-	-	-	-	-	-	-	331.4																	
334.6	-	-	-	9.9	-	-	-	8.8	-	-	-	-	-	-	-	-	-	334.6																	
337.9	-	-	-	9.4	-	-	-	8.4	-	-	-	-	-	-	-	-	-	337.9																	
341.2	-	-	-	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	341.2																	

 352,800 lb  396,900 lb



	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb										27.6 ft				32.2 ft / s				360°				75%			
   	177.2 ft																								
	SSL+LF_1						SSL+LF_2						SSL+LF_1												
	39.4 ft									78.7 ft					118.1 ft										
	0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb					0 lb		0 - 661,500 lb			
	10°		15°		20°		10°		15°		20°		10°		20°		30°			10°		20°		30°	
1,000 lb																									
ft																							ft		
36.1	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1			
39.4	275.6	275.6	235.9	-	275.6	275.6	235.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4			
42.7	275.6	275.6	226.5	181.9	275.6	275.6	226.5	181.9	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7			
45.9	275.6	275.6	217.2	175.3	275.6	275.6	217.2	175.3	154.3	154.3	-	-	-	-	-	-	-	-	-	-	-	45.9			
52.5	260.1	260.1	201.7	164.2	260.1	260.1	201.7	164.2	149.9	149.9	-	-	-	-	-	-	-	-	-	-	-	52.5			
55.8	249.1	249.1	194.6	159.3	249.1	249.1	194.6	159.3	143.9	143.9	-	-	93.7	93.7	-	-	93.7	93.7	-	-	-	55.8			
59.1	238.1	238.1	187.4	154.3	238.1	238.1	187.4	154.3	137.8	137.8	87.1	-	93.7	93.7	-	-	-	-	-	-	-	59.1			
65.6	220.5	220.5	175.3	145.5	220.5	220.5	175.3	145.5	126.8	126.8	82.0	-	91.7	91.7	-	-	-	-	-	-	-	65.6			
68.9	212.7	212.7	169.8	141.6	212.7	212.7	169.8	141.6	121.8	121.8	79.7	52.7	89.9	89.9	-	-	-	-	-	-	-	68.9			
72.2	205.0	205.0	164.2	137.8	205.0	205.0	164.2	137.8	116.8	116.8	77.4	51.6	88.2	88.2	-	-	-	-	-	-	-	72.2			
75.5	197.9	197.9	159.8	134.5	197.9	197.9	159.8	134.5	113.0	113.0	75.3	50.5	85.0	85.0	55.3	-	-	-	-	-	-	75.5			
78.7	190.7	190.7	155.4	131.2	190.7	190.7	155.4	131.2	109.1	109.1	73.2	49.4	81.8	81.8	53.8	-	-	-	-	-	-	78.7			
85.3	178.6	178.6	146.6	125.7	178.6	178.6	146.6	125.7	101.9	101.9	69.4	47.4	76.1	76.1	50.9	-	-	-	-	-	-	85.3			
91.9	168.7	168.7	140.0	119.0	168.7	168.7	140.0	119.0	95.5	95.5	66.1	45.6	71.2	71.2	48.3	32.2	-	-	-	-	-	91.9			
98.4	158.7	158.7	133.4	114.6	158.7	158.7	133.4	114.6	89.9	89.9	63.3	43.9	66.8	66.8	45.9	30.9	-	-	-	-	-	98.4			
111.5	141.1	144.0	122.4	106.4	141.1	144.0	122.4	106.4	81.0	81.0	58.1	41.1	59.9	59.9	41.9	28.5	-	-	-	-	-	111.5			
124.7	123.3	130.8	112.7	99.1	123.2	130.8	112.7	99.1	73.1	73.1	53.6	38.5	53.8	53.8	38.4	26.5	-	-	-	-	-	124.7			
137.8	105.4	119.0	104.3	92.8	104.9	119.0	104.3	92.8	66.4	66.4	49.6	36.2	48.5	48.5	35.3	24.7	-	-	-	-	-	137.8			
150.9	92.3	111.1	98.0	87.8	91.7	111.1	98.0	87.8	61.4	61.4	46.5	34.4	44.5	44.5	32.8	23.2	-	-	-	-	-	150.9			
164.0	80.8	103.9	92.4	83.5	80.2	103.9	92.4	83.5	56.8	56.8	43.7	32.8	40.9	40.9	30.5	21.8	-	-	-	-	-	164.0			
177.2	71.0	97.4	87.5	79.8	70.3	97.4	87.5	79.8	52.7	52.7	41.2	31.5	37.7	37.7	28.4	20.5	-	-	-	-	-	177.2			
190.3	63.3	92.4	84.0	77.2	62.5	92.4	84.0	77.2	49.6	49.6	39.3	30.5	35.2	35.2	26.8	19.6	-	-	-	-	-	190.3			
196.9	59.5	89.9	82.2	-	58.6	89.9	82.2	-	48.1	48.1	38.4	30.0	34.0	34.0	26.0	19.2	-	-	-	-	-	196.9			
203.4	-	-	-	-	-	-	-	-	46.8	46.8	37.6	29.5	32.9	32.9	25.4	18.7	-	-	-	-	-	203.4			
210.0	-	-	-	-	-	-	-	-	45.6	45.6	36.9	29.1	31.9	31.9	24.7	18.3	-	-	-	-	-	210.0			
216.5	-	-	-	-	-	-	-	-	44.3	44.3	36.2	-	30.9	30.9	24.0	17.9	-	-	-	-	-	216.5			
229.7	-	-	-	-	-	-	-	-	42.2	42.2	35.1	-	29.1	29.1	23.0	17.4	-	-	-	-	-	229.7			
232.9	-	-	-	-	-	-	-	-	41.7	41.7	-	-	28.7	28.7	22.7	17.3	-	-	-	-	-	232.9			
242.8	-	-	-	-	-	-	-	-	-	-	-	-	27.6	27.6	22.0	16.9	-	-	-	-	-	242.8			
246.1	-	-	-	-	-	-	-	-	-	-	-	-	27.2	27.2	21.8	16.8	-	-	-	-	-	246.1			
255.9	-	-	-	-	-	-	-	-	-	-	-	-	26.2	26.2	21.2	-	-	-	-	-	-	255.9			
265.7	-	-	-	-	-	-	-	-	-	-	-	-	25.4	25.4	20.7	-	-	-	-	-	-	265.7			
269.0	-	-	-	-	-	-	-	-	-	-	-	-	25.2	25.2	-	-	-	-	-	-	-	269.0			
272.3	-	-	-	-	-	-	-	-	-	-	-	-	24.9	24.9	-	-	-	-	-	-	-	272.3			
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb																		



0 lb 110,250 lb 220,500 lb 330,750 lb 441,000 lb 551,250 lb 661,500 lb

396,900 lb + 132,300 lb				27.6 ft				32.2 ft /s				360°				75%	
196.9 ft																	
SSL+LF_1				SSL+LF_2				SSL+LF_1									
39.4 ft								78.7 ft				118.1 ft					
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb			
10°		15°		20°		10°		15°		20°		10°		20°		30°	
10°		15°		20°		10°		15°		20°		10°		20°		30°	
1,000 lb																	
ft																	
36.1	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	36.1
39.4	275.6	275.6	242.5	-	275.6	275.6	242.5	-	-	-	-	-	-	-	-	-	39.4
42.7	275.6	275.6	232.6	185.2	275.6	275.6	232.6	185.2	-	-	-	-	-	-	-	-	42.7
45.9	275.6	275.6	222.7	179.7	275.6	275.6	222.7	179.7	156.5	156.5	-	-	-	-	-	-	45.9
52.5	273.4	273.4	208.3	168.7	273.4	273.4	208.3	168.7	152.1	152.1	-	-	-	-	-	-	52.5
59.1	251.3	251.3	194.0	158.7	251.3	251.3	194.0	158.7	142.2	142.2	88.4	-	92.6	92.6	-	-	59.1
65.6	231.5	231.5	181.9	149.9	231.5	231.5	181.9	149.9	131.2	131.2	83.3	-	91.7	91.7	-	-	65.6
72.2	216.1	216.1	172.0	143.3	216.1	216.1	172.0	143.3	121.3	121.3	78.9	52.0	89.9	89.9	-	-	72.2
75.5	208.9	208.9	167.0	139.4	208.9	208.9	167.0	139.4	117.4	117.4	76.9	50.9	87.3	87.3	56.0	-	75.5
78.7	201.7	201.7	162.0	135.6	201.7	201.7	162.0	135.6	113.5	113.5	75.0	49.8	84.7	84.7	54.5	-	78.7
85.3	189.6	189.6	153.2	130.1	189.6	189.6	153.2	130.1	106.5	106.5	71.4	48.1	78.9	78.9	51.6	-	85.3
91.9	178.6	178.6	146.6	124.6	178.6	178.6	146.6	124.6	100.1	100.1	68.1	46.3	74.1	74.1	49.2	-	91.9
95.1	173.6	173.6	142.7	121.8	173.6	173.6	142.7	121.8	97.2	97.2	66.6	45.4	71.9	71.9	48.0	31.7	95.1
98.4	168.7	168.7	138.9	119.0	168.7	168.7	138.9	119.0	94.4	94.4	65.0	44.5	69.7	69.7	46.7	31.1	98.4
111.5	142.2	152.5	127.9	110.8	142.2	152.5	127.9	110.8	85.1	85.1	60.0	41.7	62.5	62.5	42.9	28.9	111.5
124.7	120.2	138.5	118.2	103.4	119.9	138.5	118.2	103.4	77.0	77.0	55.6	39.2	56.2	56.2	39.4	26.9	124.7
137.8	102.5	126.8	110.0	96.8	101.9	126.8	110.0	96.8	70.1	70.1	51.6	37.0	50.9	50.9	36.2	25.1	137.8
150.9	89.3	117.9	103.2	91.6	88.6	117.9	103.2	91.6	64.8	64.8	48.4	35.3	46.7	46.7	33.8	23.7	150.9
164.0	77.7	110.2	97.2	87.1	77.0	110.2	97.2	87.1	60.0	60.0	45.5	33.7	42.9	42.9	31.6	22.3	164.0
177.2	67.7	103.6	91.9	83.1	67.0	103.6	91.9	83.1	55.8	55.8	43.0	32.2	39.7	39.7	29.5	20.9	177.2
190.3	59.6	98.0	87.8	80.0	58.8	98.0	87.8	80.0	52.4	52.4	40.9	31.2	37.0	37.0	27.8	20.1	190.3
203.4	52.3	93.1	84.4	77.3	51.4	93.1	84.4	77.3	49.4	49.4	39.1	30.2	34.6	34.6	26.2	19.2	203.4
206.7	50.7	92.1	83.7	76.7	49.8	92.1	83.7	76.7	48.7	48.7	38.7	30.0	34.1	34.1	25.9	19.0	206.7
213.3	47.4	89.9	82.3	-	46.5	89.9	82.3	-	47.4	47.4	37.9	29.5	33.0	33.0	25.2	18.5	213.3
216.5	-	-	81.6	-	-	-	81.6	-	46.7	46.7	37.5	29.3	32.4	32.4	24.9	18.3	216.5
223.1	-	-	-	-	-	-	-	-	45.5	45.6	36.9	29.1	31.5	31.5	24.4	18.0	223.1
229.7	-	-	-	-	-	-	-	-	44.2	44.5	36.3	-	30.6	30.6	23.9	17.7	229.7
242.8	-	-	-	-	-	-	-	-	40.7	42.5	35.3	-	29.0	29.0	22.9	17.2	242.8
246.1	-	-	-	-	-	-	-	-	39.5	42.1	35.1	-	28.7	28.7	22.6	17.1	246.1
249.3	-	-	-	-	-	-	-	-	38.4	41.7	-	-	28.3	28.3	22.3	17.0	249.3
255.9	-	-	-	-	-	-	-	-	-	-	-	-	27.6	27.6	21.8	16.8	255.9
259.2	-	-	-	-	-	-	-	-	-	-	-	-	27.3	27.3	21.7	16.8	259.2
269.0	-	-	-	-	-	-	-	-	-	-	-	-	26.4	26.4	21.2	-	269.0
282.2	-	-	-	-	-	-	-	-	-	-	-	-	25.4	25.4	20.7	-	282.2
288.7	-	-	-	-	-	-	-	-	-	-	-	-	24.9	24.9	-	-	288.7
0 lb 110,250 lb 220,500 lb 330,750 lb 441,000 lb 551,250 lb 661,500 lb																	

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb														27.6 ft						32.2 ft / s						360°				75%	
216.5 ft																															
SSL+LF_1								SSL+LF_2						SSL+LF_1																	
39.4 ft										78.7 ft				118.1 ft																	
0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb																	
10°		15°		20°		10°		15°		20°		10°		20°		30°		10°		20°		30°									
ft		1,000 lb																		ft											
39.4	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4									
42.7	275.6	275.6	238.1	-	275.6	275.6	238.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7									
45.9	275.6	275.6	229.3	181.9	275.6	275.6	229.3	181.9	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9									
49.2	275.6	275.6	221.6	176.9	275.6	275.6	221.6	176.9	152.1	152.1	-	-	-	-	-	-	-	-	-	-	-	49.2									
52.5	275.6	275.6	213.8	172.0	275.6	275.6	213.8	172.0	152.1	152.1	-	-	-	-	-	-	-	-	-	-	-	52.5									
59.1	262.4	262.4	200.6	162.0	262.4	262.4	200.6	162.0	144.4	144.4	-	-	92.2	92.2	-	-	-	-	-	-	-	59.1									
62.3	252.4	252.4	194.6	158.2	252.4	252.4	194.6	158.2	140.0	140.0	87.1	-	91.8	91.8	-	-	-	-	-	-	-	62.3									
65.6	242.5	242.5	188.5	154.3	242.5	242.5	188.5	154.3	135.6	135.6	84.7	-	91.5	91.5	-	-	-	-	-	-	-	65.6									
72.2	224.9	224.9	177.5	146.6	224.9	224.9	177.5	146.6	125.7	125.7	80.5	52.2	89.7	89.7	-	-	-	-	-	-	-	72.2									
78.7	211.6	211.6	168.7	140.0	211.6	211.6	168.7	140.0	117.9	117.9	76.5	50.3	86.6	86.6	55.1	-	-	-	-	-	-	78.7									
85.3	199.5	199.5	159.8	134.5	199.5	199.5	159.8	134.5	110.2	110.2	73.0	48.5	81.6	81.6	52.5	-	-	-	-	-	-	85.3									
91.9	186.3	187.4	152.1	129.0	184.1	187.4	152.1	129.0	104.5	104.5	69.7	46.7	76.7	76.7	50.0	-	-	-	-	-	-	91.9									
95.1	176.9	182.4	148.8	126.2	175.3	182.4	148.8	126.2	101.5	101.5	68.2	46.0	74.4	74.4	48.8	31.7	-	-	-	-	-	95.1									
98.4	167.6	177.5	145.5	123.5	166.4	177.5	145.5	123.5	98.5	98.5	66.8	45.2	72.1	72.1	47.6	31.3	-	-	-	-	-	98.4									
111.5	141.1	161.3	133.7	114.6	139.3	161.3	133.7	114.6	89.1	89.1	61.7	42.5	64.9	64.9	43.8	29.1	-	-	-	-	-	111.5									
124.7	118.8	147.0	123.5	107.1	116.6	147.0	123.5	107.1	80.8	80.8	57.1	40.1	58.6	58.6	40.3	27.1	-	-	-	-	-	124.7									
137.8	100.5	134.5	114.6	100.8	98.5	134.5	114.6	100.8	73.6	73.6	53.1	37.7	53.1	53.1	37.3	25.4	-	-	-	-	-	137.8									
150.9	87.3	124.9	108.0	95.3	85.3	124.9	108.0	95.3	68.0	68.0	50.0	35.9	48.9	48.9	34.8	23.9	-	-	-	-	-	150.9									
164.0	75.6	116.6	101.9	90.5	73.5	116.6	101.9	90.5	63.1	63.1	47.2	34.3	45.0	45.0	32.5	22.6	-	-	-	-	-	164.0									
177.2	65.5	109.6	96.3	86.2	63.1	109.6	96.3	86.2	58.6	58.6	44.5	32.8	41.7	41.7	30.4	21.4	-	-	-	-	-	177.2									
190.3	57.2	103.7	91.9	82.8	54.8	103.7	91.9	82.8	55.1	55.1	42.3	31.7	38.9	38.9	28.8	20.5	-	-	-	-	-	190.3									
203.4	49.9	98.3	88.0	79.9	47.4	98.3	88.0	79.9	52.0	52.0	40.4	30.6	36.4	36.4	27.3	19.6	-	-	-	-	-	203.4									
216.5	43.4	93.5	84.4	77.4	40.8	93.5	84.4	77.4	49.2	49.2	38.8	29.8	34.2	34.2	25.8	18.7	-	-	-	-	-	216.5									
223.1	40.7	91.6	83.2	76.5	38.1	91.6	83.2	76.5	46.4	48.0	38.1	29.5	33.2	33.2	25.2	18.4	-	-	-	-	-	223.1									
229.7	37.9	89.7	82.0	-	35.5	89.7	82.0	-	43.6	46.8	37.3	29.2	32.3	32.3	24.6	18.2	-	-	-	-	-	229.7									
232.9	-	-	81.4	-	-	-	81.4	-	42.2	46.2	37.0	29.0	31.8	31.8	24.3	18.0	-	-	-	-	-	232.9									
236.2	-	-	-	-	-	-	-	-	40.8	45.6	36.6	28.9	31.3	31.3	24.0	17.9	-	-	-	-	-	236.2									
242.8	-	-	-	-	-	-	-	-	38.5	44.7	36.1	-	30.5	30.5	23.6	17.6	-	-	-	-	-	242.8									
255.9	-	-	-	-	-	-	-	-	34.0	42.8	35.1	-	28.9	28.9	22.7	17.0	-	-	-	-	-	255.9									
259.2	-	-	-	-	-	-	-	-	33.0	42.4	35.1	-	28.5	28.5	22.5	16.9	-	-	-	-	-	259.2									
269.0	-	-	-	-	-	-	-	-	30.0	41.2	-	-	27.6	27.6	21.8	16.7	-	-	-	-	-	269.0									
275.6	-	-	-	-	-	-	-	-	-	-	-	-	26.9	26.9	21.4	16.5	-	-	-	-	-	275.6									
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	282.2									
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295.3									
298.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	298.6									
305.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	305.1									
0 lb																															
110,250 lb																															
220,500 lb																															
330,750 lb																															
441,000 lb																															
551,250 lb																															
661,500 lb																															



0 lb

110,250 lb

220,500 lb

330,750 lb

441,000 lb

551,250 lb

661,500 lb

396,900 lb +  132,300 lb				 27.6 ft				 32.2 ft / s				360°				75%	
	236.2 ft																
	SSL+LF_1				SSL+LF_2				SSL+LF_1								
	39.4 ft								78.7 ft				118.1 ft				
	0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			
	10°	15°	20°	10°	15°	20°	10°	20°	30°	10°	20°	30°					
1,000 lb																	
39.4	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	39.4	
42.7	275.6	275.6	242.5	-	275.6	275.6	242.5	-	-	-	-	-	-	-	-	42.7	
45.9	275.6	275.6	233.7	185.2	275.6	275.6	233.7	185.2	-	-	-	-	-	-	-	45.9	
49.2	275.6	275.6	226.0	180.2	275.6	275.6	226.0	180.2	153.2	153.2	-	-	-	-	-	49.2	
52.5	275.6	275.6	218.3	175.3	275.6	275.6	218.3	175.3	153.2	153.2	-	-	-	-	-	52.5	
59.1	271.2	271.2	205.0	165.3	271.2	271.2	205.0	165.3	146.6	146.6	-	-	-	-	-	59.1	
62.3	261.2	261.2	199.5	161.5	261.2	261.2	199.5	161.5	143.3	143.3	88.2	-	91.1	91.1	-	62.3	
65.6	251.3	251.3	194.0	157.6	251.3	251.3	194.0	157.6	140.0	140.0	85.8	-	91.1	91.1	-	65.6	
72.2	235.9	235.9	183.0	149.9	235.9	235.9	183.0	149.9	130.1	130.1	81.6	-	89.7	89.7	-	72.2	
75.5	228.2	228.2	178.6	146.6	228.2	228.2	178.6	146.6	126.2	126.2	79.7	51.6	88.8	88.8	-	75.5	
78.7	220.5	220.5	174.2	143.3	220.5	220.5	174.2	143.3	122.4	122.4	77.8	50.7	88.0	88.0	54.9	78.7	
85.3	205.0	208.3	165.3	137.8	208.3	208.3	165.3	137.8	114.6	114.6	74.3	48.9	83.6	83.6	53.1	85.3	
91.9	183.0	197.3	157.6	132.3	181.9	197.3	157.6	132.3	108.5	108.5	71.2	47.2	79.1	79.1	50.7	91.9	
98.4	165.3	186.3	151.0	126.8	163.1	186.3	151.0	126.8	102.5	102.5	68.3	45.6	74.5	74.5	48.5	98.4	
111.5	138.2	169.4	139.3	118.7	136.0	169.4	139.3	118.7	92.8	92.8	63.3	43.0	67.2	67.2	44.7	111.5	
124.7	115.6	154.7	129.0	111.2	113.4	154.7	129.0	111.2	84.4	84.4	58.9	40.6	60.8	60.8	41.2	124.7	
137.8	97.7	142.2	120.2	104.3	95.5	142.2	120.2	104.3	77.2	77.2	54.9	38.4	55.3	55.3	38.1	137.8	
150.9	84.3	131.9	113.0	98.8	81.9	131.9	113.0	98.8	71.4	71.4	51.7	36.6	50.9	50.9	35.6	150.9	
164.0	72.3	123.1	106.4	93.8	69.8	123.1	106.4	93.8	66.3	66.3	48.7	35.0	47.0	47.0	33.4	164.0	
177.2	61.7	115.7	100.5	89.3	59.1	115.7	100.5	89.3	61.7	61.7	46.1	33.5	43.4	43.4	31.3	177.2	
190.3	53.5	109.3	95.8	85.8	50.7	109.3	95.8	85.8	57.9	57.9	43.9	32.3	40.6	40.6	29.7	190.3	
203.4	46.1	103.5	91.6	82.5	43.3	103.5	91.6	82.5	52.6	54.5	41.8	31.2	38.1	38.1	28.1	203.4	
216.5	39.5	98.3	87.7	79.6	36.8	98.3	87.7	79.6	45.9	51.4	39.9	30.2	35.7	35.7	26.7	216.5	
229.7	34.2	94.2	84.8	77.5	31.4	94.2	84.8	77.5	40.3	48.9	38.4	29.5	33.7	33.7	25.5	229.7	
239.5	30.4	91.3	82.8	76.1	27.6	91.3	82.8	76.1	36.3	47.1	37.4	29.0	32.2	32.2	24.7	239.5	
242.8	29.3	90.5	82.2	-	26.5	90.5	82.2	-	35.1	46.6	37.1	28.9	31.8	31.8	24.4	242.8	
249.3	27.1	88.8	81.1	-	24.3	88.8	81.1	-	32.8	45.6	36.5	28.7	31.0	31.0	23.9	249.3	
255.9	-	-	-	-	-	-	-	-	30.4	44.5	35.9	-	30.2	30.2	23.4	255.9	
269.0	-	-	-	-	-	-	-	-	26.5	42.9	35.2	-	28.9	28.9	22.5	269.0	
275.6	-	-	-	-	-	-	-	-	24.5	42.1	34.8	-	28.2	28.2	22.0	275.6	
282.2	-	-	-	-	-	-	-	-	22.9	41.4	-	-	26.6	27.6	21.8	282.2	
285.4	-	-	-	-	-	-	-	-	22.0	41.0	-	-	25.8	27.3	21.6	285.4	
288.7	-	-	-	-	-	-	-	-	-	-	-	-	25.0	27.0	21.5	288.7	
295.3	-	-	-	-	-	-	-	-	-	-	-	-	23.4	26.5	21.2	295.3	
308.4	-	-	-	-	-	-	-	-	-	-	-	-	20.4	25.6	20.7	308.4	
315.0	-	-	-	-	-	-	-	-	-	-	-	-	19.0	25.1	20.5	315.0	
321.5	-	-	-	-	-	-	-	-	-	-	-	-	17.6	24.7	-	321.5	
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb										

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 27.6 ft				 32.2 ft / s				360°				75%								
	255.9 ft																							
	SSL+LF_1						SSL+LF_2						SSL+LF_1											
	39.4 ft									78.7 ft					118.1 ft									
	0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb				0 lb		0 - 661,500 lb									
	10°		15°		20°		10°		15°		20°		10°		20°		30°			10°		20°		30°
ft		1,000 lb																		ft				
42.7	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7
45.9	275.6	275.6	238.1	-	275.6	275.6	238.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	275.6	275.6	230.4	181.9	275.6	275.6	230.4	181.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.2
52.5	275.6	275.6	222.7	177.5	275.6	275.6	222.7	177.5	148.8	148.8	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5
59.1	275.6	275.6	210.5	168.7	273.4	273.4	210.5	168.7	146.6	146.6	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1
62.3	269.0	269.0	204.5	164.8	267.9	267.9	204.5	164.8	143.9	143.9	-	-	-	90.2	90.2	-	-	-	-	-	-	-	-	62.3
65.6	262.4	262.4	198.4	160.9	262.4	262.4	198.4	160.9	141.1	141.1	86.9	-	90.2	90.2	-	-	-	-	-	-	-	-	-	65.6
72.2	242.5	244.7	188.5	153.2	240.3	244.7	188.5	153.2	134.5	134.5	82.7	-	89.1	89.1	-	-	-	-	-	-	-	-	-	72.2
78.7	220.5	229.3	179.7	147.7	217.2	229.3	179.7	147.7	125.7	125.7	79.1	50.9	87.7	87.7	-	-	-	-	-	-	-	-	-	78.7
82.0	210.5	223.2	175.3	144.4	207.2	223.2	175.3	144.4	121.8	121.8	77.4	50.0	86.3	86.3	55.1	-	-	-	-	-	-	-	-	82.0
85.3	200.6	217.2	170.9	141.1	197.3	217.2	170.9	141.1	117.9	117.9	75.6	49.2	84.9	84.9	53.8	-	-	-	-	-	-	-	-	85.3
91.9	181.9	205.0	163.1	135.6	179.7	205.0	163.1	135.6	111.3	111.3	72.5	47.6	80.9	80.9	51.4	-	-	-	-	-	-	-	-	91.9
98.4	163.1	195.1	156.5	131.2	160.9	195.1	156.5	131.2	106.3	106.3	69.7	46.1	76.9	76.9	49.2	31.5	-	-	-	-	-	-	-	98.4
111.5	136.0	177.5	144.8	122.4	133.7	177.5	144.8	122.4	96.4	96.4	64.7	43.6	69.4	69.4	45.5	29.5	-	-	-	-	-	-	-	111.5
124.7	113.5	162.0	134.1	114.6	111.1	162.0	134.1	114.6	87.7	87.7	60.2	41.2	62.9	62.9	42.1	27.6	-	-	-	-	-	-	-	124.7
137.8	95.7	148.8	124.6	107.8	93.0	148.8	124.6	107.8	80.2	80.2	56.2	39.0	57.3	57.3	39.0	26.0	-	-	-	-	-	-	-	137.8
150.9	82.2	138.5	117.2	102.1	79.2	138.5	117.2	102.1	74.4	74.4	53.0	37.3	52.9	52.9	36.5	24.7	-	-	-	-	-	-	-	150.9
164.0	70.0	129.3	110.6	96.9	66.9	129.3	110.6	96.9	69.1	69.1	50.0	35.6	48.9	48.9	34.2	23.4	-	-	-	-	-	-	-	164.0
177.2	59.3	121.3	104.7	92.4	56.2	121.3	104.7	92.4	64.4	64.4	47.4	34.2	45.2	45.2	32.2	22.3	-	-	-	-	-	-	-	177.2
190.3	50.9	114.6	99.7	88.6	48.0	114.6	99.7	88.6	57.3	60.6	45.2	32.8	42.3	42.3	30.4	21.2	-	-	-	-	-	-	-	190.3
203.4	43.4	108.6	95.2	85.1	40.5	108.6	95.2	85.1	50.3	57.0	43.1	31.7	39.6	39.6	28.9	20.3	-	-	-	-	-	-	-	203.4
216.5	36.8	103.2	91.3	82.0	33.7	103.2	91.3	82.0	43.4	53.8	41.2	30.9	37.3	37.3	27.6	19.4	-	-	-	-	-	-	-	216.5
229.7	31.5	98.6	87.9	79.7	28.4	98.6	87.9	79.7	37.8	51.1	39.6	30.0	35.2	35.2	26.2	18.7	-	-	-	-	-	-	-	229.7
242.8	26.7	94.5	85.0	77.6	23.6	94.5	85.0	77.6	32.7	48.7	38.2	29.2	33.3	33.3	25.1	18.0	-	-	-	-	-	-	-	242.8
255.9	22.3	90.8	82.5	75.8	19.2	90.8	82.5	75.8	28.0	46.5	37.0	28.7	31.5	31.5	24.0	17.4	-	-	-	-	-	-	-	255.9
265.7	19.4	88.6	80.9	-	16.3	88.6	80.9	-	25.0	45.2	36.3	28.4	29.0	30.4	23.4	17.1	-	-	-	-	-	-	-	265.7
269.0	-	-	-	-	-	-	-	-	24.0	44.8	36.0	-	28.1	30.1	23.1	17.0	-	-	-	-	-	-	-	269.0
282.2	-	-	-	-	-	-	-	-	20.4	43.1	35.1	-	24.7	28.7	22.3	16.6	-	-	-	-	-	-	-	282.2
292.0	-	-	-	-	-	-	-	-	18.0	42.0	34.6	-	22.0	27.9	21.8	16.4	-	-	-	-	-	-	-	292.0
295.3	-	-	-	-	-	-	-	-	17.2	41.7	-	-	21.2	27.6	21.6	16.3	-	-	-	-	-	-	-	295.3
301.8	-	-	-	-	-	-	-	-	15.7	41.0	-	-	19.7	27.0	21.3	16.3	-	-	-	-	-	-	-	301.8
308.4	-	-	-	-	-	-	-	-	-	-	-	-	18.2	26.5	21.0	-	-	-	-	-	-	-	-	308.4
321.5	-	-	-	-	-	-	-	-	-	-	-	-	15.4	25.6	20.5	-	-	-	-	-	-	-	-	321.5
331.4	-	-	-	-	-	-	-	-	-	-	-	-	13.4	24.9	20.3	-	-	-	-	-	-	-	-	331.4
334.6	-	-	-	-	-	-	-	-	-	-	-	-	12.8	24.7	-	-	-	-	-	-	-	-	-	334.6
337.9	-	-	-	-	-	-	-	-	-	-	-	-	12.1	24.7	-	-	-	-	-	-	-	-	-	337.9

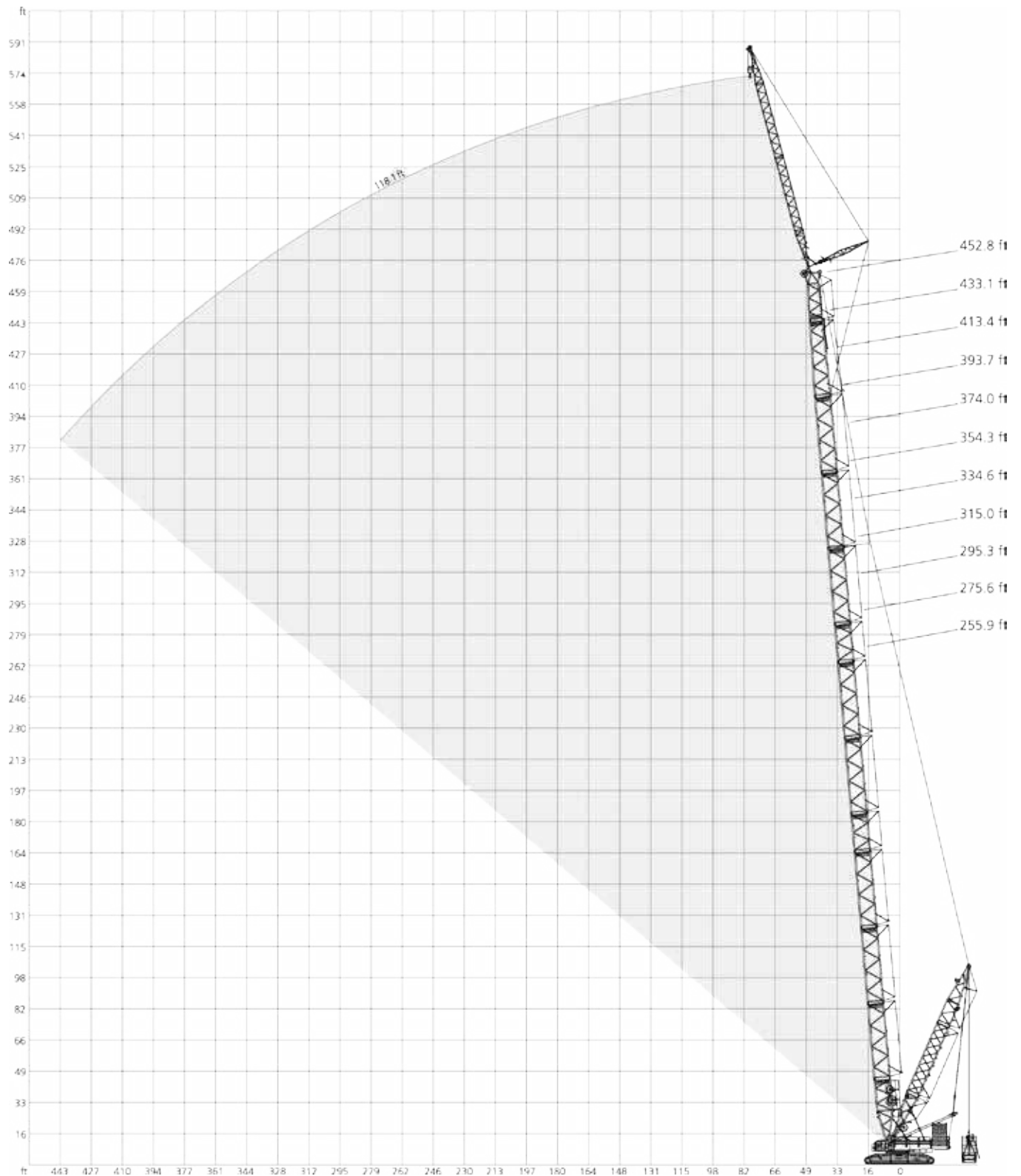
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb 27.6 ft 32.2 ft / s 360° 75%															
275.6 ft SSL+LF_1 SSL+LF_2 SSL+LF_1 39.4 ft 78.7 ft 118.1 ft 0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb 0 lb 0-661,500 lb 10° 15° 20° 10° 15° 20° 10° 20° 30° 10° 20° 30°															
ft	1,000 lb														ft
42.7	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	42.7
45.9	275.6	275.6	240.3	-	275.6	275.6	240.3	-	-	-	-	-	-	-	45.9
49.2	275.6	275.6	233.7	184.1	275.6	275.6	233.7	184.1	-	-	-	-	-	-	49.2
52.5	275.6	275.6	227.1	179.7	275.6	275.6	227.1	179.7	145.5	145.5	-	-	-	-	52.5
59.1	275.6	275.6	215.0	170.9	275.6	275.6	215.0	170.9	145.5	145.5	-	-	-	-	59.1
65.6	260.1	269.0	203.9	163.1	257.9	269.0	203.9	163.1	141.1	141.1	87.7	-	88.8	88.8	65.6
72.2	233.7	253.5	192.9	156.5	231.5	253.5	192.9	156.5	136.7	136.7	83.8	-	88.4	88.4	72.2
78.7	212.7	238.1	184.1	149.9	209.4	238.1	184.1	149.9	130.1	130.1	80.2	51.1	87.3	87.3	78.7
85.3	194.0	224.9	175.3	144.4	190.7	224.9	175.3	144.4	122.4	122.4	76.9	49.4	85.8	85.8	85.3
91.9	176.4	213.8	167.6	138.9	173.1	213.8	167.6	138.9	115.7	115.7	73.9	47.8	82.2	82.2	91.9
98.4	160.9	202.8	160.9	134.5	158.7	202.8	160.9	134.5	109.8	109.8	71.0	46.5	78.5	78.5	98.4
101.7	154.1	198.4	158.0	132.3	151.8	198.4	158.0	132.3	107.3	107.3	69.8	45.9	76.7	76.7	101.7
111.5	133.7	185.2	149.2	125.7	130.8	185.2	149.2	125.7	99.9	99.9	66.1	44.0	71.4	71.4	111.5
124.7	111.0	169.4	138.5	117.6	107.9	169.4	138.5	117.6	91.2	91.2	61.7	41.7	65.0	65.0	124.7
137.8	92.6	155.4	129.0	110.2	89.9	155.4	129.0	110.2	83.6	83.6	57.8	39.5	59.3	59.3	137.8
150.9	78.6	145.1	121.6	104.9	75.7	145.1	121.6	104.9	77.5	77.5	54.4	37.7	54.7	54.7	150.9
164.0	66.3	135.6	114.9	99.9	63.2	135.6	114.9	99.9	70.8	72.0	51.4	36.1	50.6	50.6	164.0
177.2	55.6	126.8	108.7	95.2	52.5	126.8	108.7	95.2	63.5	67.0	48.7	34.6	47.0	47.0	177.2
190.3	47.2	119.4	103.5	91.3	44.1	119.4	103.5	91.3	54.8	63.1	46.4	33.4	44.0	44.0	190.3
203.4	39.7	113.1	98.8	87.7	36.5	113.1	98.8	87.7	47.0	59.5	44.2	32.3	41.3	41.3	203.4
216.5	33.1	107.8	94.6	84.4	29.8	107.8	94.6	84.4	40.1	56.2	42.3	31.3	38.8	38.8	216.5
229.7	27.6	103.1	91.1	81.8	24.3	103.1	91.1	81.8	34.4	53.4	40.7	30.4	36.6	36.6	229.7
242.8	22.7	98.8	87.8	79.4	19.4	98.8	87.8	79.4	29.2	50.9	39.2	29.6	33.4	34.6	242.8
255.9	18.3	94.8	84.9	77.4	15.0	94.8	84.9	77.4	24.5	48.5	37.9	28.9	29.3	32.8	255.9
269.0	14.6	91.6	82.7	75.8	11.3	90.2	82.7	75.8	20.5	46.6	36.9	28.4	25.2	31.4	269.0
272.3	13.7	90.8	82.1	75.4	10.4	89.1	82.1	75.4	19.5	46.1	36.6	28.3	24.2	31.0	272.3
278.9	12.0	88.7	81.1	-	8.7	86.2	81.1	-	17.7	45.2	36.2	28.2	22.3	30.3	278.9
282.2	11.2	87.5	80.7	-	7.9	84.4	80.7	-	16.8	44.8	35.9	-	21.4	30.0	282.2
295.3	-	-	-	-	-	-	-	-	13.4	43.0	35.1	-	17.9	28.7	295.3
308.4	-	-	-	-	-	-	-	-	10.7	41.8	34.4	-	14.9	27.5	308.4
315.0	-	-	-	-	-	-	-	-	9.3	41.2	-	-	13.4	26.9	315.0
318.2	-	-	-	-	-	-	-	-	8.6	40.8	-	-	12.8	26.7	318.2
321.5	-	-	-	-	-	-	-	-	-	-	-	-	12.1	26.5	321.5
334.6	-	-	-	-	-	-	-	-	-	-	-	-	9.5	25.6	334.6
341.2	-	-	-	-	-	-	-	-	-	-	-	-	8.2	25.2	341.2
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	24.8	347.8
354.3	-	-	-	-	-	-	-	-	-	-	-	-	-	24.5	354.3

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 27.6 ft				 32.2 ft /s				360°				75%		
	 295.3 ft				315.0 ft				334.6 ft				354.3 ft					
	SSL+LF 2																	
	39.4 ft																	
	0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb							
	10°		15°		20°		10°		15°		20°		10°		15°		20°	
	1,000 lb																	
ft																	ft	
45.9	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	45.9	
49.2	275.6	275.6	238.1	-	275.6	275.6	240.3	-	275.6	275.6	-	-	271.2	271.2	-	-	49.2	
52.5	275.6	275.6	231.5	181.9	275.6	275.6	233.7	184.1	275.6	275.6	238.1	-	271.2	271.2	240.3	-	52.5	
55.8	275.6	275.6	225.4	178.0	273.4	275.6	228.2	179.7	269.0	275.6	231.5	181.9	262.4	271.2	234.8	183.0	55.8	
59.1	275.6	275.6	219.4	174.2	271.2	275.6	222.7	175.3	262.4	275.6	224.9	177.5	253.5	271.2	229.3	179.7	59.1	
65.6	251.3	273.4	207.2	166.4	240.3	275.6	211.6	168.7	233.7	275.6	215.0	170.9	224.9	271.2	218.3	172.0	65.6	
72.2	224.9	260.1	197.3	159.8	217.2	269.0	201.7	162.0	210.5	275.6	205.0	164.2	202.8	271.2	209.4	166.4	72.2	
78.7	203.9	246.9	188.5	153.2	196.2	253.5	192.9	155.4	190.7	260.1	196.2	157.6	183.0	266.8	200.6	159.8	78.7	
85.3	185.2	233.7	179.7	147.7	177.5	240.3	184.1	149.9	172.0	246.9	188.5	152.1	165.3	253.5	191.8	154.3	85.3	
91.9	168.7	220.5	172.0	142.2	162.0	227.1	176.4	144.4	156.5	235.9	180.8	146.6	149.9	242.5	184.1	149.9	91.9	
98.4	154.3	210.5	165.3	136.7	147.7	217.2	169.8	140.0	143.3	222.7	174.2	142.2	136.7	229.3	177.5	144.4	98.4	
111.5	128.6	192.2	153.6	128.6	124.2	198.8	158.0	131.2	121.3	205.0	161.7	133.4	115.7	211.6	165.7	136.3	111.5	
124.7	106.6	176.0	142.9	120.9	103.1	182.6	147.3	123.5	100.9	188.9	150.6	125.7	96.3	195.5	154.7	128.6	124.7	
137.8	88.2	162.0	133.4	113.5	84.4	168.7	137.8	116.8	82.2	174.2	141.1	119.0	78.7	180.8	144.4	121.3	137.8	
150.9	73.8	151.0	125.3	108.0	70.0	156.9	129.7	111.0	67.8	163.1	133.0	113.2	64.2	168.3	136.3	115.4	150.9	
164.0	61.2	141.1	118.3	102.8	57.4	146.6	122.4	105.6	55.2	152.9	125.7	107.9	51.4	157.3	129.0	110.2	164.0	
177.2	50.5	132.3	112.4	98.1	46.5	137.8	115.7	100.8	44.3	143.3	119.0	103.2	40.6	147.7	122.4	105.6	177.2	
190.3	42.1	124.9	107.1	94.0	38.1	130.4	110.6	96.5	35.9	135.2	113.9	98.9	32.0	139.6	117.2	101.3	190.3	
203.4	34.5	118.3	102.3	90.2	30.6	123.5	105.7	92.7	28.4	127.9	109.0	95.0	24.4	132.3	112.1	97.4	203.4	
216.5	27.8	112.4	97.9	86.9	23.8	116.8	101.0	89.3	21.6	121.3	104.3	91.5	17.6	125.7	107.1	93.7	216.5	
229.7	22.3	107.4	94.1	84.1	18.4	111.7	97.2	86.2	16.0	115.4	100.2	88.4	12.1	119.0	103.0	90.5	229.7	
239.5	18.5	103.9	91.4	82.1	14.5	108.0	94.4	84.1	12.1	111.4	97.2	86.2	7.9	113.9	100.1	88.2	239.5	
242.8	17.3	102.8	90.6	81.5	13.4	106.9	93.6	83.5	10.9	110.5	96.3	85.5	-	112.0	99.2	87.5	242.8	
249.3	15.1	100.7	89.1	80.3	11.1	104.7	92.0	82.3	8.6	108.5	94.6	84.2	-	108.2	97.4	86.2	249.3	
255.9	12.8	98.5	87.5	79.1	8.8	102.5	90.4	81.1	-	106.3	93.0	82.9	-	104.5	95.7	84.9	255.9	
259.2	11.9	97.2	86.9	78.7	7.7	101.4	89.5	80.6	-	104.3	92.2	82.4	-	102.6	94.9	84.3	259.2	
269.0	9.1	93.3	85.1	77.4	-	95.9	86.6	79.1	-	98.3	89.7	80.8	-	96.7	92.6	82.5	269.0	
272.3	8.2	91.4	84.4	76.9	-	94.0	85.6	78.6	-	96.3	88.8	80.3	-	94.8	91.8	81.9	272.3	
282.2	-	85.8	81.4	75.8	-	87.7	81.4	75.7	-	90.1	84.4	77.1	-	88.8	87.6	78.6	282.2	
288.7	-	82.0	79.1	75.2	-	83.3	78.0	73.3	-	85.8	80.9	74.4	-	84.9	84.1	75.9	288.7	
295.3	-	78.3	76.7	-	-	78.9	74.7	71.0	-	81.6	77.4	71.7	-	80.9	80.7	73.2	295.3	
298.6	-	76.3	75.4	-	-	76.7	73.0	69.8	-	79.5	75.6	70.3	-	79.0	78.8	71.7	298.6	
301.8	-	-	-	-	-	74.5	71.4	68.6	-	77.3	73.9	69.0	-	77.1	76.8	70.2	301.8	
308.4	-	-	-	-	-	70.1	68.0	-	-	73.1	70.3	66.4	-	73.2	73.0	67.2	308.4	
315.0	-	-	-	-	-	65.7	64.6	-	-	68.8	66.8	63.7	-	69.2	69.2	64.2	315.0	
318.2	-	-	-	-	-	-	63.1	-	-	66.7	65.0	62.2	-	67.2	67.3	62.6	318.2	
321.5	-	-	-	-	-	-	-	-	-	64.6	63.2	-	-	65.3	65.4	61.1	321.5	
334.6	-	-	-	-	-	-	-	-	-	56.2	56.0	-	-	57.3	57.8	54.9	334.6	
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	49.6	50.0	-	347.8	
351.1	-	-	-	-	-	-	-	-	-	-	-	-	-	47.6	48.1	-	351.1	

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb 27.6 ft 32.2 ft /s 360° 75%																
	255.9 ft	275.6 ft						295.3 ft								
	LSL+LF_3								LSL+LF_2				LSL+LF_3			
	39.4 ft															
	0 lb	0 - 661,500 lb				0 lb	0 - 661,500 lb				0 lb	0 - 661,500 lb				
	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	
ft	1,000 lb														ft	
42.7	275.6	275.6	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	42.7
45.9	275.6	275.6	264.6	-	275.6	275.6	269.0	-	275.6	275.6	-	-	275.6	275.6	-	45.9
49.2	275.6	275.6	256.8	198.4	275.6	275.6	261.2	200.6	275.6	275.6	240.3	-	275.6	275.6	264.6	49.2
52.5	275.6	275.6	249.1	192.9	275.6	275.6	253.5	195.1	275.6	275.6	233.7	174.2	275.6	275.6	257.9	52.5
59.1	275.6	275.6	233.7	184.1	275.6	275.6	238.1	186.3	275.6	275.6	220.5	166.4	275.6	275.6	242.5	59.1
65.6	271.2	275.6	220.5	175.3	262.4	275.6	227.1	178.6	255.7	275.6	209.4	159.8	253.5	275.6	231.5	65.6
72.2	244.7	257.9	209.4	167.6	235.9	266.8	215.0	170.9	229.3	269.0	199.5	153.2	229.3	275.6	220.5	72.2
78.7	222.7	242.5	199.5	160.9	215.0	251.3	205.0	164.2	208.3	253.5	190.7	147.7	207.2	260.1	209.4	78.7
85.3	202.8	229.3	190.7	154.3	196.2	238.1	195.1	157.6	189.6	238.1	181.9	142.2	188.5	244.7	200.6	85.3
91.9	183.0	217.2	181.9	148.8	179.7	224.9	187.4	152.1	174.2	224.9	174.2	136.7	173.1	233.7	191.8	91.9
98.4	164.2	206.1	174.2	143.3	162.0	213.8	179.7	146.6	159.8	215.0	167.6	132.3	158.7	222.7	184.1	98.4
111.5	137.8	187.8	160.9	133.7	134.8	195.5	166.4	137.1	133.4	196.6	155.1	124.2	132.3	203.6	170.9	111.5
124.7	115.3	171.6	149.2	125.3	112.4	179.3	154.7	128.6	110.9	180.0	144.0	116.8	109.9	186.7	159.1	124.7
137.8	96.8	157.6	138.9	117.9	94.6	165.3	144.4	121.3	92.4	165.3	134.5	110.2	91.5	172.0	148.8	137.8
150.9	83.6	146.6	130.8	112.2	80.8	153.6	135.6	115.4	78.4	153.6	126.4	105.1	77.4	160.2	140.0	150.9
164.0	71.6	137.1	123.5	106.9	68.5	143.3	127.9	109.9	66.1	143.3	119.0	100.2	64.9	149.5	131.9	164.0
177.2	60.8	129.0	116.8	101.9	57.8	134.5	121.3	104.9	55.3	134.5	112.4	95.7	54.0	140.0	124.6	177.2
190.3	52.5	121.6	111.3	97.7	49.4	127.1	115.4	100.7	47.0	127.1	107.6	91.7	45.6	132.6	118.7	190.3
203.4	45.0	115.2	106.2	94.0	41.9	120.5	110.1	96.8	39.4	120.2	102.9	88.1	38.1	125.7	113.5	203.4
216.5	38.4	109.6	101.6	90.6	35.3	114.6	105.4	93.3	32.6	113.5	98.3	84.9	31.3	119.0	109.1	216.5
229.7	33.1	104.7	98.0	88.0	29.8	109.5	101.4	90.3	27.2	108.7	94.7	82.2	25.9	113.9	105.0	229.7
242.8	28.2	100.4	94.7	85.7	24.9	104.8	97.8	87.7	22.3	104.1	91.2	79.8	20.9	109.1	101.2	242.8
255.9	23.8	96.6	91.7	83.8	20.5	100.5	94.6	85.5	17.9	99.6	88.0	77.6	16.5	104.7	97.7	255.9
265.7	20.9	94.1	90.2	-	17.7	98.0	92.7	84.2	15.1	97.0	86.1	76.4	13.8	100.6	95.5	265.7
269.0	-	-	-	-	16.8	97.2	92.1	83.8	14.2	96.1	85.5	76.0	12.9	99.3	94.7	269.0
272.3	-	-	-	-	15.9	96.3	91.5	83.3	13.3	95.2	84.8	75.6	11.9	97.9	94.0	272.3
282.2	-	-	-	-	13.4	92.8	89.9	-	10.8	92.2	83.2	74.5	9.4	92.8	90.2	282.2
285.4	-	-	-	-	-	-	89.5	-	10.0	91.1	82.7	74.2	8.5	90.9	88.6	285.4
288.7	-	-	-	-	-	-	-	-	9.2	89.9	82.2	73.9	7.7	89.1	87.2	288.7
292.0	-	-	-	-	-	-	-	-	8.4	88.2	81.6	-	-	87.2	85.7	292.0
295.3	-	-	-	-	-	-	-	-	-	86.2	81.1	-	-	85.3	84.2	295.3
298.6	-	-	-	-	-	-	-	-	-	84.4	80.8	-	-	83.4	82.7	298.6
301.8	-	-	-	-	-	-	-	-	-	-	80.5	-	-	81.6	81.1	301.8

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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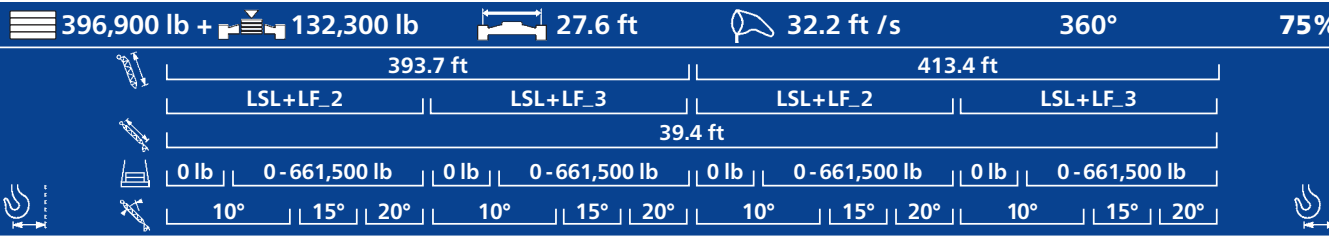
396,900 lb + 132,300 lb 27.6 ft 32.2 ft / s 360° 75%																	
	315.0 ft								334.6 ft								
	LSL+LF_2				LSL+LF_3				LSL+LF_2				LSL+LF_3				
	39.4 ft																
	0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			0 lb	0 - 661,500 lb			
	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°		
ft	1,000 lb																ft
49.2	275.6	275.6	-	-	275.6	275.6	-	-	240.3	240.3	-	-	275.6	275.6	-	-	49.2
52.5	275.6	275.6	238.1	-	275.6	275.6	260.1	-	240.3	240.3	218.3	-	275.6	275.6	264.6	-	52.5
55.8	273.4	273.4	231.5	172.0	275.6	275.6	253.5	195.1	238.1	238.1	217.2	174.2	271.2	275.6	257.9	197.3	55.8
59.1	271.2	271.2	224.9	168.7	275.6	275.6	246.9	191.8	235.9	235.9	216.1	170.9	266.8	275.6	251.3	192.9	59.1
65.6	249.1	266.8	213.8	162.0	246.9	275.6	235.9	184.1	231.5	231.5	211.6	164.2	238.1	275.6	240.3	186.3	65.6
72.2	222.7	262.4	203.9	155.4	222.7	275.6	224.9	176.4	218.3	227.1	207.2	157.6	215.0	275.6	229.3	178.6	72.2
78.7	202.8	257.9	195.1	149.9	201.7	266.8	215.0	169.8	197.3	222.7	198.4	152.1	194.0	275.6	219.4	172.0	78.7
85.3	185.2	246.9	186.3	144.4	183.0	253.5	205.0	164.2	179.7	218.3	190.7	146.6	176.4	260.1	209.4	166.4	85.3
91.9	169.8	233.7	178.6	140.0	167.6	240.3	197.3	157.6	164.2	212.7	183.0	142.2	160.9	249.1	201.7	160.9	91.9
98.4	155.4	222.7	170.9	134.5	153.2	229.3	189.6	153.2	151.0	207.2	175.3	137.8	147.7	235.9	194.0	155.4	98.4
111.5	130.4	203.6	159.1	126.4	129.0	210.2	176.4	143.7	128.2	196.9	163.5	129.7	124.9	216.8	180.8	146.6	111.5
124.7	109.0	186.7	148.4	119.0	107.7	193.3	164.2	135.2	107.6	187.4	152.5	122.4	104.4	199.9	168.7	138.2	124.7
137.8	91.1	172.0	138.9	112.4	89.5	178.6	153.2	127.9	89.1	178.6	142.2	115.7	86.0	185.2	157.6	130.1	137.8
150.9	76.9	160.2	130.8	107.4	75.1	166.8	144.4	121.3	74.8	166.1	134.1	110.2	71.6	172.7	148.8	124.2	150.9
164.0	64.4	149.5	123.5	102.7	62.5	155.8	136.3	115.4	62.2	155.1	126.8	105.0	58.9	161.3	140.7	118.7	164.0
177.2	53.6	140.0	116.8	98.1	51.8	145.5	129.0	110.2	51.4	145.5	120.2	100.3	48.1	151.0	133.4	113.5	177.2
190.3	45.2	131.9	111.4	94.1	43.3	138.2	123.1	106.1	43.0	137.4	114.3	96.3	39.7	142.9	126.8	109.0	190.3
203.4	37.6	124.6	106.3	90.5	35.7	130.8	117.6	102.1	35.4	130.1	109.2	92.7	32.1	135.6	120.9	104.8	203.4
216.5	30.9	117.9	101.6	87.1	29.1	123.5	112.4	98.3	28.7	123.5	104.9	89.3	25.4	129.0	115.7	101.0	216.5
229.7	25.4	112.8	97.7	84.3	23.5	118.3	108.3	95.2	23.1	117.6	100.8	86.3	19.8	123.1	111.6	97.6	229.7
242.8	20.4	108.1	94.1	81.7	18.5	113.5	104.4	92.3	18.0	112.4	97.0	83.6	14.7	117.6	107.7	94.5	242.8
255.9	15.9	103.8	90.8	79.4	14.1	108.9	100.8	89.5	13.4	107.8	93.5	81.1	10.1	112.4	103.8	91.7	255.9
262.5	14.0	101.9	89.4	78.4	12.2	106.0	99.0	88.4	11.6	104.5	92.0	80.1	8.2	110.2	102.1	90.4	262.5
269.0	12.2	99.9	88.0	77.5	10.3	103.1	97.2	87.3	9.8	101.2	90.5	79.1	-	107.0	99.9	89.3	269.0
275.6	10.4	97.9	86.6	76.5	8.4	99.6	94.8	86.2	7.9	97.4	88.4	78.0	-	103.8	97.4	88.2	275.6
282.2	8.7	94.4	85.5	75.8	-	95.6	91.5	84.7	-	93.6	85.5	77.2	-	99.6	93.8	85.5	282.2
285.4	7.9	92.6	84.9	75.5	-	93.6	89.8	83.7	-	91.7	84.1	76.8	-	97.4	91.9	84.2	285.4
295.3	-	87.3	82.9	74.3	-	87.5	84.9	80.7	-	86.0	79.8	75.6	-	91.1	86.4	80.2	295.3
305.1	-	82.0	79.1	73.6	-	81.6	79.9	77.2	-	80.2	75.5	73.2	-	84.5	81.0	76.2	305.1
308.4	-	80.2	77.9	-	-	79.6	78.3	-	-	78.3	74.1	72.4	-	82.4	79.2	74.8	308.4
318.2	-	75.0	74.3	-	-	73.4	73.2	-	-	72.6	69.7	69.8	-	75.9	73.9	70.8	318.2
321.5	-	-	-	-	-	-	-	-	-	70.7	68.3	68.8	-	73.7	72.1	69.4	321.5
334.6	-	-	-	-	-	-	-	-	-	63.1	62.4	-	-	65.0	64.8	-	334.6
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb										

 0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb 27.6 ft 32.2 ft /s 360° 75%																				
	354.3 ft								374.0 ft											
	LSL+LF_2				LSL+LF_3				LSL+LF_2				LSL+LF_3							
	39.4 ft																			
	0 lb	0-661,500 lb				0 lb	0-661,500 lb				0 lb	0-661,500 lb				0 lb	0-661,500 lb			
	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°	10°	15°	20°		
ft	1,000 lb																ft			
52.5	208.3	208.3	-	-	273.4	273.4	-	-	188.5	188.5	-	-	253.5	253.5	-	-	52.5			
55.8	207.2	207.2	191.8	-	264.6	273.4	260.1	-	187.9	187.9	175.3	-	250.2	253.5	244.7	-	55.8			
59.1	206.1	206.1	191.8	172.0	255.7	273.4	255.7	195.1	187.4	187.4	175.3	162.0	246.9	253.5	244.7	197.3	59.1			
65.6	201.7	201.7	187.4	165.3	229.3	271.2	242.5	187.4	185.2	185.2	174.2	162.0	220.5	253.5	242.5	189.6	65.6			
72.2	197.3	197.3	183.0	159.8	206.1	269.0	231.5	180.8	181.9	181.9	170.9	159.8	198.4	253.5	235.9	183.0	72.2			
78.7	191.8	191.8	178.6	154.3	186.3	266.8	222.7	174.2	178.6	178.6	168.7	155.4	178.6	253.5	227.1	176.4	78.7			
85.3	174.2	186.3	173.1	148.8	168.7	264.6	213.8	168.7	169.8	175.3	165.3	151.0	162.0	253.5	217.2	170.9	85.3			
91.9	159.8	180.8	168.7	144.4	154.3	255.7	205.0	163.1	154.3	172.0	162.0	145.5	147.7	253.5	209.4	165.3	91.9			
98.4	145.5	176.4	164.2	140.0	141.1	242.5	197.3	157.6	142.2	168.7	159.8	141.1	134.5	249.1	201.7	160.9	98.4			
111.5	124.9	166.1	155.4	131.9	119.8	223.4	184.1	148.8	120.9	162.0	153.2	133.7	113.8	230.0	188.5	151.4	111.5			
124.7	105.4	157.3	147.7	124.6	100.1	206.1	172.3	140.7	101.9	155.4	147.0	126.8	95.0	212.7	176.4	142.9	124.7			
137.8	86.9	149.9	141.1	117.9	82.0	190.7	162.0	133.4	85.1	148.8	141.1	120.2	78.3	197.3	165.3	135.6	137.8			
150.9	72.5	142.6	135.2	112.5	67.6	178.2	152.5	126.8	70.7	142.9	136.0	114.3	63.9	184.1	156.5	129.7	150.9			
164.0	59.9	135.6	129.3	107.4	54.9	166.8	144.0	120.9	58.1	137.4	131.2	109.1	51.1	172.3	148.4	123.8	164.0			
177.2	49.2	129.0	123.5	102.5	43.9	156.5	136.7	115.7	47.2	132.3	126.8	104.7	40.1	162.0	141.1	117.9	177.2			
190.3	40.6	122.4	117.6	98.5	35.5	148.4	130.8	111.3	38.7	126.4	120.9	100.6	31.6	153.2	134.5	113.5	190.3			
203.4	33.0	116.0	111.9	94.8	27.9	140.7	124.9	107.1	31.0	120.5	115.4	96.8	24.0	145.1	128.2	109.4	203.4			
216.5	26.2	109.8	106.5	91.3	20.9	133.4	119.0	103.2	24.3	114.6	110.2	93.3	17.2	137.8	122.4	105.6	216.5			
229.7	20.6	103.9	101.2	88.3	15.5	127.5	114.6	99.8	18.7	109.5	106.3	90.2	11.6	128.1	117.9	102.1	229.7			
236.2	17.9	101.0	98.5	86.9	12.8	124.6	112.4	98.1	15.9	106.9	104.3	88.6	8.8	122.4	115.7	100.3	236.2			
242.8	15.6	98.3	96.3	85.5	10.4	121.8	110.6	96.6	13.6	104.1	101.6	87.3	-	118.7	113.8	98.8	242.8			
249.3	13.3	95.7	94.0	84.2	7.9	119.0	108.7	95.1	11.3	101.3	99.0	86.0	-	115.0	111.8	97.2	249.3			
255.9	11.0	93.0	91.7	82.9	-	114.6	106.7	93.7	9.0	98.5	96.3	84.7	-	111.3	109.8	95.7	255.9			
259.2	10.1	91.8	90.5	82.4	-	112.7	105.3	92.9	7.9	97.2	95.0	84.1	-	109.5	108.3	95.1	259.2			
265.7	8.2	89.3	88.2	81.4	-	108.8	102.6	91.2	-	94.5	92.4	83.0	-	105.8	105.3	93.8	265.7			
269.0	-	88.0	87.0	80.8	-	106.9	101.3	90.3	-	93.1	91.1	82.5	-	104.0	103.8	93.2	269.0			
282.2	-	82.7	82.4	78.6	-	98.8	94.8	85.7	-	87.6	85.8	80.3	-	96.5	96.9	88.8	282.2			
295.3	-	77.6	77.8	76.5	-	90.6	87.3	79.8	-	82.0	80.5	78.3	-	88.8	89.3	82.5	295.3			
308.4	-	72.3	73.3	72.2	-	82.5	79.9	74.0	-	76.5	75.2	73.7	-	81.2	81.6	76.0	308.4			
321.5	-	67.2	68.8	68.0	-	74.1	72.3	68.1	-	71.0	69.9	68.9	-	73.6	74.1	69.5	321.5			
334.6	-	61.9	64.2	63.7	-	65.9	64.8	62.2	-	65.5	64.6	63.9	-	65.9	66.6	63.1	334.6			
337.9	-	60.7	63.1	62.6	-	63.8	63.0	60.6	-	64.1	63.3	62.7	-	64.0	64.7	61.5	337.9			
347.8	-	56.8	59.6	-	-	57.6	57.4	-	-	59.9	59.3	58.9	-	58.3	58.9	56.7	347.8			
351.1	-	55.6	58.4	-	-	55.6	55.6	-	-	58.5	58.0	57.7	-	56.4	57.0	55.0	351.1			
354.3	-	-	-	-	-	-	-	-	-	57.1	56.7	56.4	-	54.5	55.1	53.4	354.3			
360.9	-	-	-	-	-	-	-	-	-	54.3	54.0	-	-	50.8	51.3	-	360.9			
367.5	-	-	-	-	-	-	-	-	-	51.6	51.4	-	-	47.0	47.5	-	367.5			
370.7	-	-	-	-	-	-	-	-	-	-	50.0	-	-	-	45.6	-	370.7			



0 lb110,250 lb220,500 lb330,750 lb441,000 lb551,250 lb661,500 lb

396,900 lb + 132,300 lb																	27.6 ft			32.2 ft /s			360°			75%	
	393.7 ft										413.4 ft																
	LSL+LF_2					LSL+LF_3					LSL+LF_2				LSL+LF_3												
	39.4 ft																										
	0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb									
10°		15°		20°		10°		15°		20°		10°		15°		20°											
ft	1,000 lb																	ft									
55.8	166.4	166.4	-	-	235.9	235.9	-	-	145.5	145.5	-	-	215.0	215.0	-	-	55.8										
59.1	166.4	166.4	154.3	-	235.9	235.9	231.5	-	145.5	145.5	136.7	-	215.0	215.0	212.7	-	59.1										
62.3	165.3	165.3	153.8	143.3	224.3	235.9	230.4	195.1	145.0	145.0	136.7	127.9	209.4	215.0	212.7	196.2	62.3										
65.6	164.2	164.2	153.2	143.3	212.7	235.9	229.3	190.7	144.4	144.4	136.7	127.9	203.9	215.0	212.7	192.9	65.6										
72.2	162.0	162.0	151.0	141.1	190.7	235.9	227.1	185.2	142.2	142.2	134.5	126.8	183.0	215.0	211.6	186.3	72.2										
78.7	159.8	159.8	148.8	140.0	172.0	235.9	222.7	178.6	140.0	140.0	132.3	124.6	165.3	215.0	211.6	180.8	78.7										
85.3	156.5	156.5	146.6	137.8	155.4	235.9	220.5	173.1	137.8	137.8	130.1	122.4	148.8	215.0	210.5	175.3	85.3										
91.9	151.0	154.3	144.4	135.6	141.1	235.9	212.7	167.6	135.6	135.6	127.9	121.3	134.5	215.0	209.4	169.8	91.9										
98.4	138.9	151.0	142.2	133.4	129.0	235.9	205.0	163.1	133.4	133.4	125.7	119.0	122.4	215.0	209.4	164.2	98.4										
111.5	118.6	145.1	136.3	128.2	108.4	227.1	191.8	153.6	114.4	128.2	121.3	114.6	102.5	211.3	196.2	155.4	111.5										
124.7	100.4	139.3	130.8	123.5	90.4	216.1	180.0	145.1	97.4	123.1	116.8	110.7	85.0	206.9	184.1	147.3	124.7										
137.8	84.2	133.4	125.7	119.0	75.0	202.8	169.8	137.8	82.2	117.9	112.4	107.1	69.9	201.7	173.1	140.0	137.8										
150.9	69.8	129.0	122.0	115.4	60.4	189.6	160.2	131.9	67.8	113.5	108.9	103.6	56.2	191.4	163.5	134.1	150.9										
164.0	57.2	124.6	117.9	111.3	47.7	177.8	151.8	126.0	55.1	109.6	105.4	100.3	43.9	179.7	155.1	128.2	164.0										
177.2	46.3	120.2	113.5	106.7	36.8	167.6	144.4	120.2	44.1	106.0	101.9	97.2	32.8	166.4	147.7	122.4	177.2										
190.3	37.8	115.7	109.9	102.6	28.1	157.3	137.8	115.7	35.6	102.1	98.3	94.0	24.2	154.7	141.1	117.9	190.3										
203.4	30.1	111.3	106.0	98.7	20.4	146.6	131.5	111.6	27.9	98.1	94.8	90.8	16.5	143.3	134.5	113.8	203.4										
216.5	23.1	106.7	102.1	95.0	13.7	135.6	125.7	107.8	21.2	94.1	91.3	87.7	9.7	132.3	127.9	109.8	216.5										
219.8	21.8	105.6	101.0	94.2	12.2	133.0	124.2	106.9	19.8	93.1	90.4	87.0	8.2	129.5	125.7	108.9	219.8										
229.7	17.7	102.1	98.0	91.9	7.7	124.9	119.4	104.1	15.6	90.2	87.7	84.7	-	121.3	119.0	106.3	229.7										
242.8	12.6	97.5	93.9	89.1	-	114.5	112.9	100.8	10.4	86.3	84.2	81.5	-	111.1	110.5	102.9	242.8										
249.3	10.3	95.2	91.8	87.7	-	109.9	110.0	99.2	7.9	84.4	82.5	79.9	-	106.5	106.4	101.3	249.3										
255.9	7.9	92.8	89.5	86.4	-	105.4	107.1	97.7	-	82.5	80.7	78.3	-	101.9	102.3	99.6	255.9										
269.0	-	87.8	85.1	82.7	-	96.3	100.2	95.0	-	78.3	76.9	74.7	-	92.9	94.4	95.1	269.0										
282.2	-	82.9	80.6	78.6	-	87.5	93.3	91.8	-	74.3	73.0	71.1	-	84.2	86.6	89.1	282.2										
295.3	-	78.0	76.1	74.3	-	79.1	86.2	85.8	-	70.3	69.2	67.5	-	75.8	79.1	82.7	295.3										
308.4	-	73.2	71.5	70.0	-	71.5	79.1	78.9	-	66.4	65.3	63.8	-	68.3	72.1	76.2	308.4										
321.5	-	68.4	67.0	65.8	-	64.3	72.2	71.9	-	62.3	61.4	60.1	-	61.1	65.2	69.8	321.5										
334.6	-	63.5	62.4	61.5	-	57.5	65.3	65.0	-	58.2	57.5	56.4	-	54.2	58.4	63.3	334.6										
347.8	-	58.6	57.8	57.2	-	51.4	58.2	58.2	-	54.2	53.6	52.8	-	48.2	52.2	56.8	347.8										
360.9	-	53.8	53.3	52.9	-	45.6	51.2	51.3	-	50.4	49.7	49.0	-	42.5	46.2	50.3	360.9										
367.5	-	51.5	51.0	50.7	-	42.9	47.8	47.8	-	48.3	47.8	47.1	-	39.8	43.3	47.1	367.5										
374.0	-	48.9	48.7	-	-	40.1	44.3	-	-	46.3	45.9	45.2	-	37.0	40.3	43.9	374.0										
383.9	-	45.4	45.4	-	-	36.7	39.0	-	-	43.3	42.9	42.5	-	33.6	36.2	39.0	383.9										
387.1	-	-	44.3	-	-	35.5	37.3	-	-	42.3	41.9	-	-	32.5	34.8	-	387.1										
400.3	-	-	-	-	-	-	-	-	-	38.3	38.0	-	-	28.1	29.5	-	400.3										
403.5	-	-	-	-	-	-	-	-	-	37.3	37.0	-	-	27.1	28.2	-	403.5										

396,900 lb + 132,300 lb					27.6 ft					32.2 ft / s					360°					75%			
433.1 ft										452.8 ft													
SSL+LF_2					SSL+LF_3					SSL+LF_2					SSL+LF_3					SSL+LF_4		SSL+LF_3	
39.4 ft										49.2 ft													
0 lb		0-661,500 lb			0 lb		0-661,500 lb			0 lb		0-661,500 lb			0 lb		0-661,500 lb			0 lb		661,500 lb	
10°		15°	20°	10°	15°	20°	10°		15°	20°	10°		15°	20°	10°		15°	20°	10°		15°		
ft		1,000 lb																		ft			
59.1	135.6	135.6	-	-	199.5	199.5	-	-	116.8	116.8	-	-	175.3	175.3	-	-	-	-	-	-	59.1		
62.3	135.0	135.0	127.9	-	197.9	199.5	197.3	-	116.8	116.8	113.5	-	175.3	175.3	174.2	-	-	-	-	-	62.3		
65.6	134.5	134.5	127.9	120.2	196.2	199.5	197.3	190.7	116.8	116.8	113.5	108.5	175.3	175.3	174.2	172.0	-	163.1	-	65.6			
68.9	133.9	133.9	127.3	120.2	185.7	199.0	197.3	189.0	116.3	116.3	113.5	108.5	171.4	174.7	174.2	172.0	159.8	163.1	-	68.9			
72.2	133.4	133.4	126.8	120.2	175.3	198.4	197.3	187.4	115.7	115.7	113.5	108.5	167.6	174.2	174.2	172.0	159.8	163.1	160.9	72.2			
78.7	132.3	132.3	125.7	119.0	157.6	198.4	196.2	181.9	114.6	114.6	112.4	107.6	151.0	173.1	173.1	170.9	149.9	162.0	159.8	78.7			
85.3	130.1	130.1	123.5	116.8	142.2	197.3	196.2	176.4	113.5	113.5	111.3	106.7	135.6	172.0	172.0	169.8	134.5	162.0	159.8	85.3			
91.9	129.0	129.0	122.4	115.7	129.0	197.3	196.2	172.0	112.4	112.4	110.2	105.8	122.4	170.9	170.9	169.8	121.3	160.9	158.7	91.9			
98.4	126.8	126.8	120.2	114.6	115.7	196.2	195.1	166.4	110.2	110.2	109.6	104.9	110.2	169.8	169.8	168.7	109.8	160.9	157.6	98.4			
111.5	109.4	123.1	117.2	111.7	96.6	193.3	192.9	157.6	101.4	108.3	107.4	102.9	91.0	167.6	167.6	159.8	90.5	158.7	153.2	111.5			
124.7	93.4	119.4	113.9	108.7	79.7	189.6	186.7	149.5	89.8	106.0	105.1	100.8	74.1	165.3	165.3	151.8	73.7	156.2	148.1	124.7			
137.8	78.7	115.7	110.2	105.6	64.8	185.2	176.4	142.2	75.4	103.4	102.7	98.8	59.5	163.1	163.1	144.4	59.3	153.2	142.2	137.8			
150.9	64.9	112.8	107.4	102.7	52.0	177.8	166.8	136.3	62.5	99.9	100.1	96.6	47.6	159.5	160.2	138.5	48.0	150.3	136.3	150.9			
164.0	52.5	109.7	104.6	99.9	40.1	168.7	158.4	130.4	50.5	95.4	96.5	94.0	36.2	152.9	154.0	132.6	37.5	147.0	130.4	164.0			
177.2	41.4	106.5	101.6	97.2	29.1	157.6	151.0	124.6	39.5	89.9	91.9	91.1	25.1	143.3	144.4	126.8	27.8	143.3	124.6	177.2			
190.3	32.9	103.2	98.7	94.6	20.4	146.6	144.4	120.2	30.9	84.5	87.5	88.1	16.5	133.7	134.8	122.4	19.1	139.6	118.7	190.3			
203.4	25.3	99.9	95.8	91.9	12.6	136.0	136.2	115.7	23.2	79.0	83.0	85.1	8.4	124.6	125.7	117.9	11.1	134.8	113.5	203.4			
206.7	23.6	99.1	95.0	91.3	10.8	133.4	133.8	114.6	21.5	77.6	81.9	84.3	-	122.4	123.5	116.8	9.3	133.4	112.4	206.7			
210.0	21.9	98.3	94.3	90.6	9.0	130.8	131.4	113.5	19.8	76.2	80.8	83.6	-	120.2	121.3	115.7	-	131.5	111.3	210.0			
216.5	18.5	96.6	92.8	89.3	-	125.7	125.7	111.3	16.3	73.4	78.5	82.0	-	115.7	116.8	113.5	-	127.9	109.1	216.5			
229.7	12.9	93.3	89.9	86.6	-	115.4	116.1	107.7	10.7	68.0	74.1	79.1	-	107.7	108.6	106.2	-	119.8	104.9	229.7			
236.2	10.1	91.7	88.4	85.3	-	110.2	111.3	105.8	7.9	65.3	71.9	77.6	-	103.6	104.5	102.5	-	115.7	102.7	236.2			
239.5	8.8	91.1	87.6	84.7	-	108.1	109.2	104.2	-	63.9	70.7	76.9	-	101.6	102.5	100.8	-	113.5	101.7	239.5			
242.8	-	90.2	86.9	84.0	-	106.0	107.0	102.6	-	62.5	69.6	76.2	-	99.6	100.5	99.0	-	111.3	100.7	242.8			
255.9	-	86.9	84.0	81.4	-	97.4	98.3	96.1	-	57.1	65.0	73.2	-	91.5	92.4	91.7	-	102.3	96.6	255.9			
269.0	-	83.6	81.1	78.6	-	89.0	89.9	89.9	-	51.7	60.6	70.3	-	83.8	84.7	84.8	-	94.2	92.4	269.0			
275.6	-	82.0	79.6	77.2	-	84.9	85.8	86.9	-	48.9	58.4	68.8	-	80.0	80.9	81.4	-	90.2	90.4	275.6			
282.2	-	80.4	78.1	75.8	-	80.9	81.8	83.8	-	-	56.2	67.3	-	76.4	77.3	78.0	-	86.6	86.9	282.2			
295.3	-	77.2	75.2	73.2	-	73.0	73.9	77.8	-	-	51.6	64.2	-	69.2	70.1	71.2	-	79.4	80.0	295.3			
308.4	-	73.9	72.3	70.5	-	65.6	66.7	71.9	-	-	47.2	61.3	-	62.4	63.3	64.9	-	73.7	74.3	308.4			
321.5	-	70.6	69.3	67.9	-	58.6	59.7	66.0	-	-	42.7	58.3	-	55.9	56.7	58.7	-	67.0	67.8	321.5			
334.6	-	67.2	66.4	65.3	-	52.0	52.9	60.0	-	-	38.1	55.3	-	49.6	50.3	52.7	-	60.4	61.3	334.6			
347.8	-	64.0	63.4	62.6	-	46.0	46.9	54.1	-	-	33.7	52.2	-	43.7	44.4	46.9	-	54.7	55.4	347.8			
360.9	-	60.8	60.6	60.0	-	40.3	41.1	48.2	-	-	29.2	49.2	-	38.1	38.7	41.2	-	49.3	49.8	360.9			
374.0	-	57.5	57.8	57.3	-	34.8	35.5	42.1	-	-	24.7	46.3	-	32.6	33.3	35.7	-	44.3	45.0	374.0			
387.1	-	54.3	54.8	54.7	-	29.8	30.5	36.2	-	-	20.1	43.2	-	27.8	28.3	30.6	-	39.5	40.1	387.1			
400.3	-	50.8	51.2	51.4	-	25.2	25.8	30.2	-	-	15.7	40.2	-	23.1	23.5	25.5	-	34.7	35.2	400.3			
413.4	-	47.0	47.4	-	-	20.9	21.4	-	-	-	11.2	37.3	-	18.5	19.0	20.5	-	30.0	30.4	413.4			
416.7	-	45.6	46.1	-	-	20.1	20.4	-	-	-	10.1	36.6	-	17.5	17.9	19.4	-	28.9	29.3	416.7			
419.9	-	44.3	44.8	-	-	19.2	19.4	-	-	-	8.9	-	-	16.5	16.9	-	-	27.8	28.2	419.9			
423.2	-	-	-	-	-	-	-	-	-	-	7.7	-	-	15.4	15.9	-	-	26.7	27.1	423.2			
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	14.8	-	-	25.6	26.0	426.5			
436.4	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	11.7	-	-	22.3	22.8	436.4			
439.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.3	21.7	439.6			
446.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.2	19.6	446.2			

0 lb

110,250 lb

220,500 lb

330,750 lb

441,000 lb

551,250 lb

661,500 lb

0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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396,900 lb + 132,300 lb										27.6 ft			32.2 ft /s			360°			75%				
295.3 ft		315.0 ft			334.6 ft			354.3 ft			374.0 ft												
LSL+LF_2																							
78.7 ft																							
0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb						
10°		20°		30°		10°		20°		30°		10°		20°		30°		10°		20°		30°	
1,000 lb																							
55.8	143.3	143.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	143.3	143.3	-	-	135.6	135.6	-	-	127.9	127.9	-	-	-	-	-	-	-	-	-	-	-	-	
62.3	143.3	143.3	-	-	135.6	135.6	-	-	127.9	127.9	-	-	123.5	123.5	-	-	115.7	115.7	-	-	-	-	
65.6	143.3	143.3	-	-	135.6	135.6	-	-	127.9	127.9	-	-	123.5	123.5	-	-	115.7	115.7	-	-	-	-	
68.9	142.7	142.7	83.1	-	135.0	135.0	-	-	127.9	127.9	-	-	123.5	123.5	-	-	115.7	115.7	-	-	-	-	
72.2	142.2	142.2	81.4	-	134.5	134.5	82.0	-	127.9	127.9	82.7	-	123.5	123.5	-	-	115.7	115.7	-	-	-	-	
75.5	139.4	139.4	79.7	-	133.9	133.9	80.5	-	127.9	127.9	81.1	-	123.5	123.5	81.6	-	115.7	115.7	82.2	-	-	-	
78.7	136.7	136.7	78.0	-	133.4	133.4	78.9	-	127.9	127.9	79.6	-	123.5	123.5	80.2	-	115.7	115.7	80.7	-	-	-	
82.0	132.8	132.8	76.5	46.3	130.6	130.6	77.4	46.5	126.8	126.8	78.2	-	123.5	123.5	78.8	-	115.7	115.7	79.4	-	-	-	
85.3	129.0	129.0	75.0	45.6	127.9	127.9	75.8	45.9	125.7	125.7	76.7	45.9	123.5	123.5	77.4	-	115.7	115.7	78.0	-	-	-	
88.6	125.7	125.7	73.5	45.0	125.1	125.1	74.4	45.2	123.5	123.5	75.3	45.2	122.4	122.4	76.1	45.2	115.2	115.2	76.7	45.2	-	-	
91.9	122.4	122.4	72.1	44.3	122.4	122.4	73.0	44.5	121.3	121.3	73.9	44.5	121.3	121.3	74.7	44.8	114.6	114.6	75.4	44.8	-	-	
98.4	115.7	115.7	69.4	43.2	117.9	117.9	70.5	43.2	117.9	117.9	71.4	43.4	120.2	120.2	72.1	43.4	114.6	114.6	73.0	43.7	-	-	
111.5	105.5	105.5	64.9	41.0	108.2	108.2	66.0	41.2	110.2	110.2	67.0	41.4	113.1	113.1	67.8	41.5	111.4	111.4	68.6	41.6	-	-	
124.7	96.3	96.3	60.8	38.9	99.4	99.4	61.9	39.2	102.2	102.2	63.0	39.5	104.5	105.4	63.9	39.7	103.5	106.4	64.6	39.8	-	-	
137.8	88.2	88.2	57.1	37.0	91.3	91.3	58.2	37.5	94.1	94.1	59.3	37.7	94.4	97.0	60.2	37.9	91.1	99.6	61.1	38.1	-	-	
150.9	81.9	81.9	54.0	35.6	82.5	84.8	55.1	35.9	82.1	87.5	56.1	36.2	80.8	90.2	57.1	36.4	78.6	92.7	58.0	36.7	-	-	
164.0	73.5	76.1	51.1	34.2	72.5	78.9	52.2	34.4	70.5	81.5	53.2	34.8	68.5	84.1	54.2	35.1	66.7	86.5	55.1	35.3	-	-	
177.2	63.1	71.0	48.5	32.8	61.5	73.6	49.6	33.1	59.5	76.1	50.7	33.5	57.3	78.5	51.6	33.7	55.6	80.9	52.5	34.0	-	-	
190.3	54.4	66.7	46.3	31.7	52.8	69.2	47.4	32.0	50.9	71.7	48.4	32.3	48.6	73.9	49.4	32.6	46.9	76.4	50.3	32.9	-	-	
203.4	46.6	62.8	44.2	30.6	45.0	65.2	45.3	31.0	43.0	67.5	46.2	31.3	40.8	69.7	47.3	31.5	39.0	72.1	48.1	31.9	-	-	
216.5	39.7	59.3	42.3	29.8	38.1	61.5	43.4	30.0	35.9	63.7	44.3	30.4	33.7	65.9	45.2	30.6	32.0	68.1	46.1	30.9	-	-	
229.7	34.1	56.4	40.7	29.0	32.4	58.4	41.8	29.2	30.2	60.6	42.7	29.5	28.0	62.7	43.6	29.8	26.2	64.7	44.5	30.0	-	-	
242.8	28.9	53.6	39.2	28.3	27.2	55.6	40.3	28.5	25.0	57.7	41.2	28.7	22.8	59.7	42.0	29.0	20.9	61.6	42.8	29.2	-	-	
255.9	24.0	51.1	37.9	27.6	22.5	52.9	38.8	27.8	20.3	54.9	39.7	28.0	18.1	56.9	40.6	28.2	16.1	58.6	41.2	28.4	-	-	
269.0	20.1	48.9	36.9	27.1	18.5	50.7	37.6	27.3	16.3	52.5	38.5	27.6	14.0	54.4	39.2	27.6	12.1	56.1	40.1	27.9	-	-	
282.2	16.4	47.0	35.9	26.7	14.8	48.6	36.6	26.9	12.6	50.4	37.4	27.1	10.1	52.1	38.1	27.1	8.4	53.9	38.9	27.3	-	-	
288.7	14.7	46.1	35.5	26.5	13.0	47.7	36.2	26.7	10.8	49.5	36.9	26.9	8.4	51.1	37.6	26.9	-	52.9	38.3	27.1	-	-	
292.0	13.9	45.6	35.3	26.5	12.1	47.2	35.9	26.6	9.9	49.0	36.6	26.8	-	50.6	37.3	26.8	-	52.3	38.0	27.0	-	-	
295.3	13.0	45.2	35.1	-	11.2	46.7	35.7	26.5	9.0	48.5	36.4	26.7	-	50.0	37.0	26.7	-	51.8	37.7	26.9	-	-	
298.6	12.3	44.8	34.9	-	10.5	46.4	35.5	26.4	8.4	48.1	36.2	26.6	-	49.6	36.8	26.7	-	51.3	37.4	26.8	-	-	
308.4	10.2	43.7	34.3	-	8.4	45.2	34.8	26.2	-	46.7	35.5	26.4	-	48.3	36.2	26.4	-	49.9	36.7	26.5	-	-	
318.2	8.2	42.7	33.8	-	-	44.0	34.2	-	-	45.5	34.9	26.1	-	47.0	35.5	26.2	-	48.5	36.0	26.2	-	-	
321.5	-	42.4	33.7	-	-	43.7	34.1	-	-	45.1	34.7	26.0	-	46.6	35.3	26.1	-	48.1	35.8	26.1	-	-	
324.8	-	42.1	33.5	-	-	43.3	34.0	-	-	44.8	34.5	-	-	46.2	35.1	26.0	-	47.7	35.6	26.0	-	-	
334.6	-	41.2	-	-	-	42.3	33.5	-	-	43.7	34.0	-	-	45.0	34.4	25.8	-	46.5	35.1	25.8	-	-	
337.9	-	40.8	-	-	-	42.1	33.4	-	-	43.4	33.8	-	-	44.6	34.2	-	-	46.2	34.9	25.7	-	-	
341.2	-	-	-	-	-	41.8	33.3	-	-	43.1	33.7	-	-	44.3	34.1	-	-	45.8	34.7	25.7	-	-	
347.8	-	-	-	-	-	41.3	-	-	-	42.5	33.5	-	-	43.7	33.8	-	-	45.1	34.3	25.6	-	-	
354.3	-	-	-	-	-	40.8	-	-	-	41.9	33.3	-	-	43.0	33.5	-	-	44.3	34.0	-	-	-	
357.6	-	-	-	-	-	-	-	-	-	41.7	33.1	-	-	42.8	33.4	-	-	44.0	33.8	-	-	-	
360.9	-	-	-	-	-	-	-	-	-	41.4	-	-	-	42.5	33.4	-	-	43.7	33.7	-	-	-	
370.7	-	-	-	-	-	-	-	-	-	40.6	-	-	-	41.7	33.1	-	-	42.8	33.4	-	-	-	
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	41.4	33.1	-	-	42.5	33.3	-	-	-	
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	40.6	-	-	-	41.5	32.9	-	-	-	
390.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.3	32.8	-	-	-	
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.6	-	-	-	-	
406.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.1	-	-	-	-	

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb		 27.6 ft		 32.2 ft / s		360°		75%	
 393.7 ft		413.4 ft		433.1 ft		452.8 ft		LSL+LF 2	
								78.7 ft	
 0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb	
 10°		20°		30°		10°		20°	
ft		1,000 lb						ft	
65.6	108.2	108.2	-	-	98.3	98.3	-	-	65.6
68.9	108.0	108.0	-	-	98.3	98.3	-	-	68.9
72.2	107.8	107.8	-	-	98.3	98.3	-	-	72.2
78.7	106.9	106.9	81.4	-	97.0	97.0	80.0	-	78.7
82.0	106.5	106.5	79.9	-	96.3	96.3	79.6	-	82.0
85.3	106.0	106.0	78.5	-	95.7	95.7	79.1	-	85.3
91.9	104.9	104.9	76.1	44.8	94.6	94.6	76.5	44.8	91.9
95.1	103.9	103.9	74.8	44.2	93.7	93.7	75.4	44.2	95.1
98.4	103.0	103.0	73.6	43.7	92.8	92.8	74.3	43.7	98.4
111.5	98.8	98.8	69.4	41.7	89.3	89.3	70.0	41.7	111.5
124.7	94.2	94.8	65.5	40.0	85.8	85.8	66.1	40.0	124.7
137.8	89.1	90.8	61.9	38.4	82.2	82.2	62.6	38.4	137.8
150.9	77.3	87.2	58.9	36.9	73.3	78.7	59.5	37.0	150.9
164.0	65.8	83.8	56.0	35.5	63.5	75.7	56.7	35.7	164.0
177.2	54.7	80.9	53.4	34.2	52.9	73.2	54.2	34.4	177.2
190.3	46.0	77.8	51.0	33.1	44.1	70.7	51.9	33.4	190.3
203.4	38.1	74.2	48.9	32.1	36.2	68.2	49.7	32.3	203.4
216.5	31.1	70.1	47.0	31.1	29.3	65.7	47.6	31.3	216.5
229.7	25.4	66.7	45.2	30.2	23.4	63.2	46.0	30.4	229.7
242.8	20.1	63.6	43.6	29.4	18.1	60.7	44.4	29.6	242.8
255.9	15.2	60.6	42.1	28.7	13.2	58.2	42.8	28.9	255.9
259.2	14.2	60.0	41.8	28.5	12.2	57.6	42.4	28.7	259.2
262.5	13.2	59.3	41.4	28.4	11.2	57.0	42.1	28.6	262.5
269.0	11.2	58.0	40.8	28.1	9.2	55.8	41.4	28.3	269.0
272.3	10.3	57.3	40.5	27.9	8.2	55.1	41.1	28.1	272.3
278.9	8.2	56.1	39.8	27.7	-	53.9	40.6	27.9	278.9
282.2	-	55.6	39.5	27.6	-	53.4	40.3	27.7	282.2
295.3	-	53.4	38.4	26.9	-	51.1	39.0	27.1	295.3
308.4	-	51.3	37.3	26.6	-	49.2	38.0	26.7	308.4
321.5	-	49.5	36.4	26.2	-	47.3	37.0	26.3	321.5
334.6	-	47.8	35.5	25.8	-	45.4	36.2	26.0	334.6
347.8	-	46.4	34.8	25.6	-	43.4	35.4	25.7	347.8
360.9	-	45.0	34.2	25.4	-	41.4	34.7	25.4	360.9
364.2	-	44.6	34.0	25.4	-	40.9	34.5	25.4	364.2
374.0	-	43.7	33.5	-	-	39.5	34.0	25.1	374.0
377.3	-	43.2	33.4	-	-	39.0	33.8	25.1	377.3
387.1	-	42.0	33.1	-	-	37.6	33.5	-	387.1
390.4	-	41.6	33.0	-	-	37.1	33.4	-	390.4
400.3	-	40.1	32.8	-	-	35.6	33.1	-	400.3
403.5	-	39.6	32.7	-	-	35.2	33.0	-	403.5
406.8	-	39.0	32.6	-	-	34.7	32.8	-	406.8
413.4	-	37.9	-	-	-	33.7	32.6	-	413.4
423.2	-	36.4	-	-	-	32.2	31.7	-	423.2
426.5	-	-	-	-	-	31.7	-	-	426.5
439.6	-	-	-	-	-	29.8	-	-	439.6
452.8	-	-	-	-	-	-	-	-	452.8
456.0	-	-	-	-	-	-	-	-	456.0
465.9	-	-	-	-	-	-	-	-	465.9
472.4	-	-	-	-	-	-	-	-	472.4

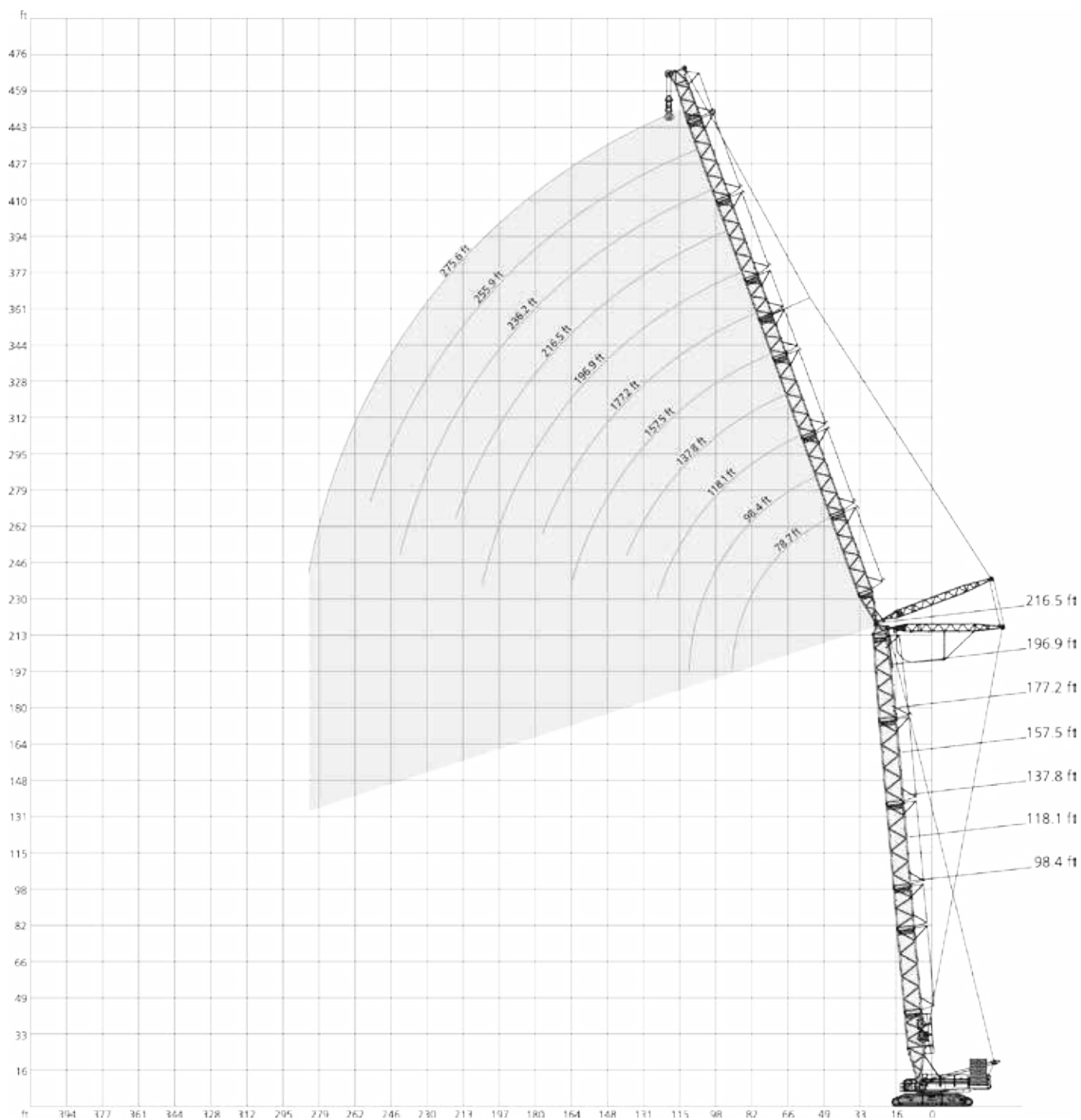
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 27.6 ft				 32.2 ft / s				360°				75%							
 295.3 ft		315.0 ft				334.6 ft				354.3 ft				374.0 ft									
LSL+LF_2																							
118.1 ft																							
 0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb					
 10°		20°		30°		10°		20°		30°		10°		20°		30°		10°		20°		30°	
ft		1,000 lb																					
65.6	88.0	88.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
68.9	87.7	87.7	-	-	84.7	84.7	-	-	80.7	80.7	-	-	-	-	-	-	-	-	-	-	-	-	
72.2	87.5	87.5	-	-	84.7	84.7	-	-	80.7	80.7	-	-	78.5	78.5	-	-	74.3	74.3	-	-	-	-	
78.7	86.6	86.6	-	-	84.0	84.0	-	-	80.7	80.7	-	-	78.5	78.5	-	-	74.3	74.3	-	-	-	-	
85.3	85.8	85.8	52.7	-	83.3	83.3	-	-	80.2	80.2	-	-	78.5	78.5	-	-	74.3	74.3	-	-	-	-	
88.6	85.3	85.3	51.6	-	82.8	82.8	52.0	-	80.1	80.1	52.2	-	78.4	78.4	-	-	74.2	74.2	-	-	-	-	
91.9	84.9	84.9	50.5	-	82.2	82.2	50.9	-	80.0	80.0	51.4	-	78.3	78.3	51.6	-	74.1	74.1	52.0	-	-	-	
98.4	83.1	83.1	48.5	-	79.6	79.6	48.9	-	78.5	78.5	49.4	-	78.0	78.0	49.8	-	74.1	74.1	50.3	-	-	-	
105.0	79.2	79.2	46.8	28.0	77.1	77.1	47.3	-	76.4	76.4	47.8	-	77.5	77.5	48.2	-	73.9	73.9	48.6	-	-	-	
108.3	77.3	77.3	46.0	27.6	75.8	75.8	46.4	27.6	75.3	75.3	47.0	27.6	77.2	77.2	47.4	-	73.7	73.7	47.8	-	-	-	
111.5	75.3	75.3	45.1	27.2	74.6	74.6	45.6	27.2	74.2	74.2	46.2	27.2	76.9	76.9	46.6	27.3	73.6	73.6	47.0	27.3	-	-	
124.7	68.4	68.4	42.0	25.7	69.4	69.4	42.5	25.8	69.7	69.7	43.1	25.8	73.6	73.6	43.7	26.0	72.2	72.2	44.1	26.0	-	-	
137.8	62.4	62.4	39.2	24.3	64.2	64.2	39.9	24.5	65.0	65.0	40.3	24.5	68.1	68.1	41.0	24.7	69.7	69.7	41.4	24.7	-	-	
150.9	57.7	57.7	36.9	23.1	59.5	59.5	37.6	23.3	60.9	60.9	38.1	23.4	63.1	63.1	38.7	23.5	64.7	64.7	39.2	23.7	-	-	
164.0	53.4	53.4	34.8	22.0	55.2	55.2	35.4	22.2	56.9	56.9	36.0	22.4	58.6	58.6	36.5	22.4	60.1	60.1	37.1	22.6	-	-	
177.2	49.6	49.6	32.8	20.9	51.4	51.4	33.5	21.2	52.9	52.9	34.0	21.4	54.5	54.5	34.6	21.4	56.0	56.0	35.1	21.6	-	-	
190.3	46.5	46.5	31.1	20.1	48.1	48.1	31.7	20.3	49.7	49.7	32.3	20.5	51.2	51.2	33.0	20.6	51.0	52.6	33.4	20.7	-	-	
203.4	43.7	43.7	29.5	19.3	45.1	45.1	30.1	19.5	45.9	46.7	30.8	19.7	46.2	48.1	31.5	19.9	44.9	49.5	31.9	19.9	-	-	
216.5	41.0	41.0	28.0	18.5	42.3	42.3	28.7	18.7	41.4	43.9	29.3	19.0	39.5	45.2	30.0	19.2	37.7	46.7	30.4	19.2	-	-	
229.7	37.8	38.7	26.8	17.9	37.2	40.1	27.5	18.2	35.6	41.5	28.0	18.2	33.6	42.8	28.7	18.4	31.8	44.2	29.1	18.6	-	-	
242.8	33.7	36.5	25.7	17.3	32.2	38.0	26.4	17.6	30.1	39.3	26.8	17.6	28.1	40.6	27.4	17.8	26.4	41.9	27.9	18.0	-	-	
255.9	28.9	34.6	24.7	16.8	27.3	35.9	25.4	17.0	25.1	37.3	25.8	17.2	23.1	38.6	26.2	17.2	21.4	39.7	26.9	17.4	-	-	
269.0	24.8	33.0	23.8	16.3	23.2	34.3	24.3	16.5	21.0	35.5	24.9	16.6	19.0	36.8	25.4	16.8	17.3	37.9	25.9	17.0	-	-	
282.2	20.9	31.5	22.9	15.9	19.4	32.8	23.4	16.1	17.2	33.9	24.0	16.2	15.2	35.1	24.5	16.3	13.4	36.2	24.9	16.5	-	-	
295.3	17.4	30.2	22.0	15.7	15.9	31.3	22.7	15.7	13.7	32.4	23.1	15.9	11.7	33.5	23.6	15.9	9.9	34.6	24.0	16.1	-	-	
301.8	15.9	29.6	21.8	15.5	14.3	30.6	22.3	15.5	12.1	31.7	22.8	15.7	10.0	32.8	23.2	15.7	8.2	33.8	23.7	15.9	-	-	
308.4	14.3	29.0	21.5	15.4	12.8	30.0	22.0	15.4	10.6	31.1	22.4	15.4	8.4	32.2	22.9	15.6	-	33.1	23.4	15.7	-	-	
318.2	12.1	28.2	21.1	15.2	10.5	29.1	21.5	15.2	8.4	30.2	21.9	15.2	-	31.2	22.4	15.4	-	32.1	22.8	15.4	-	-	
321.5	11.5	27.9	20.9	15.1	9.8	28.8	21.3	15.1	-	29.9	21.8	15.1	-	30.9	22.3	15.3	-	31.8	22.6	15.4	-	-	
331.4	9.5	27.2	20.6	15.0	7.7	28.0	20.9	15.0	-	29.0	21.3	15.0	-	30.1	21.8	15.1	-	30.9	22.2	15.1	-	-	
334.6	8.8	26.9	20.5	-	-	27.8	20.7	15.0	-	28.7	21.2	15.0	-	29.8	21.6	15.0	-	30.6	22.0	15.0	-	-	
337.9	8.2	26.7	20.4	-	-	27.6	20.7	14.9	-	28.4	21.1	15.0	-	29.5	21.5	15.0	-	30.4	21.9	15.0	-	-	
344.5	-	26.2	20.2	-	-	27.1	20.5	14.8	-	28.0	20.8	14.9	-	29.0	21.2	14.9	-	29.8	21.6	14.9	-	-	
347.8	-	26.0	20.1	-	-	26.9	20.3	-	-	27.8	20.7	14.9	-	28.7	21.0	14.8	-	29.5	21.5	14.8	-	-	
357.6	-	25.4	19.8	-	-	26.2	20.0	-	-	27.1	20.4	14.8	-	28.0	20.6	14.7	-	28.7	21.1	14.7	-	-	
360.9	-	25.2	19.7	-	-	26.0	19.9	-	-	26.9	20.3	-	-	27.7	20.5	14.7	-	28.4	20.9	14.7	-	-	
364.2	-	25.0	19.6	-	-	25.8	19.8	-	-	26.7	20.2	-	-	27.4	20.4	14.7	-	28.2	20.8	14.7	-	-	
374.0	-	24.5	-	-	-	25.1	19.6	-	-	26.0	19.8	-	-	26.7	20.1	14.6	-	27.6	20.5	14.6	-	-	
380.6	-	-	-	-	-	24.9	19.4	-	-	25.6	19.7	-	-	26.5	20.0	-	-	27.1	20.3	14.5	-	-	
387.1	-	-	-	-	-	24.6	-	-	-	25.3	19.5	-	-	26.0	19.8	-	-	26.7	20.1	14.3	-	-	
390.4	-	-	-	-	-	24.5	-	-	-	25.1	19.5	-	-	25.8	19.7	-	-	26.5	20.0	-	-	-	
397.0	-	-	-	-	-	-	-	-	-	24.7	19.4	-	-	25.4	19.5	-	-	26.1	19.8	-	-	-	
400.3	-	-	-	-	-	-	-	-	-	24.6	-	-	-	25.3	19.5	-	-	25.9	19.7	-	-	-	
406.8	-	-	-	-	-	-	-	-	-	24.3	-	-	-	25.0	19.3	-	-	25.6	19.5	-	-	-	
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	19.2	-	-	25.4	19.4	-	-	-	
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	24.3	-	-	-	24.8	19.2	-	-	-	
429.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.6	19.2	-	-	-	
439.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.2	-	-	-	-	
442.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.0	-	-	-	-	

 0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 27.6 ft			 32.2 ft / s			360°			75%						
 393.7 ft		413.4 ft			433.1 ft			452.8 ft			LSL+LF 2								
 118.1 ft																			
 0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb			0 lb		0 - 661,500 lb							
 10°		20°		30°		10°		20°		30°		10°		20°		30°			
ft		1,000 lb																ft	
75.5	67.7	67.7	-	-	63.5	63.5	-	-	-	-	-	-	-	-	-	-	-	75.5	
78.7	67.7	67.7	-	-	63.5	63.5	-	-	60.0	60.0	-	-	54.9	54.9	-	-	-	78.7	
85.3	67.7	67.7	-	-	63.5	63.5	-	-	60.0	60.0	-	-	54.9	54.9	-	-	-	85.3	
91.9	67.7	67.7	-	-	63.5	63.5	-	-	60.0	60.0	-	-	54.9	54.9	-	-	-	91.9	
95.1	67.7	67.7	51.4	-	63.5	63.5	51.6	-	60.0	60.0	-	-	54.9	54.9	-	-	-	95.1	
98.4	67.7	67.7	50.5	-	63.5	63.5	50.7	-	60.0	60.0	50.9	-	54.9	54.9	49.2	-	-	98.4	
111.5	67.2	67.2	47.4	-	63.1	63.1	47.8	-	60.0	60.0	48.0	-	54.7	54.7	47.7	-	-	111.5	
114.8	67.1	67.1	46.6	26.9	62.9	62.9	47.0	26.9	60.0	60.0	47.3	-	54.7	54.7	47.3	-	-	114.8	
118.1	67.0	67.0	45.9	26.7	62.8	62.8	46.3	26.7	60.0	60.0	46.5	26.5	54.7	54.7	47.0	26.5	-	118.1	
124.7	66.4	66.4	44.5	26.0	62.2	62.2	45.0	26.0	59.7	59.7	45.3	25.9	54.5	54.5	45.6	25.9	-	124.7	
137.8	65.3	65.3	41.9	24.7	60.8	60.8	42.3	24.7	59.1	59.1	42.8	24.7	54.2	54.2	43.0	24.7	-	137.8	
150.9	63.6	63.6	39.7	23.7	58.6	58.6	40.1	23.7	57.5	57.5	40.6	23.7	53.4	53.4	40.9	23.8	-	150.9	
164.0	61.1	61.1	37.6	22.6	56.4	56.4	38.1	22.7	55.8	55.8	38.5	22.7	52.5	52.5	38.9	22.9	-	164.0	
177.2	57.5	57.5	35.7	21.6	54.0	54.0	36.2	21.8	54.0	54.0	36.6	21.8	51.8	51.8	37.0	21.8	-	177.2	
190.3	50.9	54.2	34.0	20.9	48.6	52.4	34.5	20.9	47.0	52.5	35.0	21.1	44.5	50.6	35.4	21.1	-	190.3	
203.4	44.0	51.0	32.3	20.1	42.3	50.7	33.0	20.1	39.9	51.1	33.4	20.4	37.6	49.5	33.9	20.4	-	203.4	
216.5	36.8	48.1	30.9	19.4	35.1	48.9	31.5	19.4	32.8	49.6	32.0	19.6	31.1	48.3	32.4	19.6	-	216.5	
229.7	30.9	45.6	29.7	18.7	29.2	46.6	30.2	18.8	26.8	47.7	30.6	18.9	25.1	47.1	31.1	19.0	-	229.7	
242.8	25.5	43.2	28.5	18.1	23.7	44.3	29.0	18.2	21.3	45.6	29.4	18.2	19.5	45.8	29.8	18.4	-	242.8	
255.9	20.5	41.0	27.3	17.6	18.7	42.1	27.8	17.6	16.3	43.2	28.2	17.6	14.6	44.3	28.7	17.9	-	255.9	
269.0	16.4	39.1	26.3	17.0	14.5	40.2	26.7	17.2	12.2	41.3	27.2	17.2	10.3	42.4	27.6	17.3	-	269.0	
275.6	14.3	38.1	25.8	16.8	12.3	39.2	26.2	17.0	10.1	40.3	26.7	17.0	8.2	41.4	27.1	17.0	-	275.6	
282.2	12.5	37.3	25.4	16.5	10.6	38.4	25.8	16.8	8.2	39.5	26.2	16.8	-	40.6	26.7	16.8	-	282.2	
292.0	9.7	36.1	24.7	16.2	7.9	37.0	25.1	16.4	-	38.1	25.6	16.4	-	39.2	26.0	16.4	-	292.0	
295.3	8.8	35.7	24.5	16.1	-	36.6	24.9	16.3	-	37.7	25.4	16.3	-	38.8	25.8	16.3	-	295.3	
298.6	7.9	35.3	24.3	16.0	-	36.2	24.7	16.2	-	37.3	25.2	16.2	-	38.4	25.6	16.3	-	298.6	
308.4	-	34.2	23.8	15.8	-	35.1	24.2	15.9	-	36.2	24.6	15.9	-	37.2	24.9	16.0	-	308.4	
321.5	-	32.8	23.0	15.5	-	33.7	23.4	15.5	-	34.8	23.9	15.5	-	35.7	24.1	15.7	-	321.5	
334.6	-	31.5	22.3	15.2	-	32.4	22.7	15.2	-	33.3	23.1	15.2	-	34.4	23.4	15.2	-	334.6	
347.8	-	30.4	21.7	14.9	-	31.3	22.1	14.9	-	32.1	22.6	14.9	-	33.1	22.8	15.0	-	347.8	
360.9	-	29.3	21.2	14.7	-	30.2	21.5	14.7	-	31.0	22.0	14.7	-	31.9	22.2	14.7	-	360.9	
374.0	-	28.4	20.7	14.6	-	29.1	20.9	14.6	-	30.0	21.4	14.6	-	30.9	21.6	14.6	-	374.0	
387.1	-	27.6	20.3	14.4	-	28.2	20.5	14.4	-	29.1	20.9	14.3	-	29.8	21.2	14.3	-	387.1	
400.3	-	26.7	19.9	14.3	-	27.4	20.1	14.3	-	28.1	20.5	14.1	-	28.9	20.7	14.1	-	400.3	
413.4	-	26.0	19.6	-	-	26.7	19.8	14.1	-	26.9	20.1	14.1	-	28.0	20.3	13.9	-	413.4	
426.5	-	25.3	19.3	-	-	26.0	19.5	-	-	25.5	19.6	13.9	-	27.3	19.8	13.9	-	426.5	
429.8	-	25.1	19.3	-	-	25.8	19.5	-	-	25.1	19.5	13.9	-	27.1	19.7	13.9	-	429.8	
439.6	-	24.7	19.1	-	-	25.3	19.3	-	-	24.0	19.4	-	-	26.5	19.5	13.9	-	439.6	
442.9	-	24.6	19.0	-	-	25.1	19.2	-	-	23.6	19.3	-	-	26.3	19.5	13.9	-	442.9	
446.2	-	24.5	19.0	-	-	25.0	19.1	-	-	23.2	19.3	-	-	26.2	19.4	-	-	446.2	
452.8	-	24.3	-	-	-	24.7	19.0	-	-	22.5	19.2	-	-	25.8	19.2	-	-	452.8	
459.3	-	24.0	-	-	-	24.3	19.0	-	-	21.8	19.0	-	-	25.4	19.1	-	-	459.3	
462.6	-	-	-	-	-	24.0	19.0	-	-	21.4	19.0	-	-	25.1	19.1	-	-	462.6	
465.9	-	-	-	-	-	23.8	-	-	-	21.0	18.7	-	-	24.9	19.0	-	-	465.9	
475.7	-	-	-	-	-	22.9	-	-	-	19.9	17.6	-	-	23.9	19.0	-	-	475.7	
479.0	-	-	-	-	-	-	-	-	-	19.5	-	-	-	23.6	18.8	-	-	479.0	
492.1	-	-	-	-	-	-	-	-	-	18.1	-	-	-	22.3	18.3	-	-	492.1	
511.8	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	-	-	-	511.8	
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb												

 0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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 396,900 lb +  132,300 lb				 27.6 ft			 32.2 ft /s			360°			75%						
 98.4 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft							1,000 lb												
45.9	474.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.5	412.3	-	-	396.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	352.7	-	-	350.5	-	-	339.5	-	-	-	-	-	-	-	-	-	-	-	-
65.6	304.2	-	-	304.2	-	-	302.0	-	-	295.4	-	-	-	-	-	-	-	-	-
72.2	266.8	-	-	266.8	-	-	264.6	-	-	262.4	-	-	257.9	-	-	-	-	-	-
78.7	238.1	222.7	-	238.1	-	-	235.9	-	-	233.7	-	-	231.5	-	-	229.3	-	-	-
85.3	215.0	200.6	-	213.8	199.5	-	212.7	-	-	210.5	-	-	209.4	-	-	207.2	-	-	-
91.9	195.1	181.9	-	194.0	180.8	-	192.9	-	-	190.7	-	-	189.6	-	-	187.4	-	-	-
98.4	-	166.4	-	177.5	164.2	-	176.4	163.1	-	174.2	-	-	172.0	-	-	170.9	-	-	-
105.0	-	153.2	142.2	163.7	152.1	-	162.6	150.5	-	160.9	147.7	-	158.7	-	-	157.1	-	-	-
111.5	-	-	131.2	149.9	140.0	-	148.8	137.8	-	147.7	135.6	-	145.5	133.4	-	143.3	-	-	-
118.1	-	-	122.4	-	130.1	120.2	138.9	128.4	-	137.2	126.2	-	135.6	124.0	-	133.4	-	-	-
124.7	-	-	113.5	-	120.2	111.3	129.0	119.0	-	126.8	116.8	-	125.7	114.6	-	123.5	112.4	-	-
131.2	-	-	-	-	-	104.6	-	111.8	102.5	119.0	109.6	-	117.7	107.5	-	115.6	105.3	-	-
137.8	-	-	-	-	-	97.9	-	104.5	96.1	111.3	102.3	-	109.8	100.3	-	107.8	98.1	-	-
144.4	-	-	-	-	-	-	-	98.3	90.5	-	96.2	87.5	103.4	94.2	-	101.4	92.2	-	-
150.9	-	-	-	-	-	-	-	-	84.9	-	90.2	82.2	97.0	88.2	80.0	95.0	86.2	-	-
164.0	-	-	-	-	-	-	-	-	75.6	-	80.5	73.0	86.4	78.5	70.8	84.4	76.3	68.3	-
177.2	-	-	-	-	-	-	-	-	-	-	-	65.5	-	70.3	63.3	75.6	68.1	60.6	-
183.7	-	-	-	-	-	-	-	-	-	-	-	-	-	66.8	60.1	-	64.6	57.3	-
190.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.9	-	61.1	54.0	-
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.3	48.3	-
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.2

196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft		
85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°		
ft			1,000 lb											
85.3	203.9	-	-	-	-	-	-	-	-	-	-	-	-	85.3
91.9	185.2	-	-	183.0	-	-	-	-	-	-	-	-	-	91.9
98.4	168.7	-	-	167.6	-	-	164.2	-	-	-	-	-	-	98.4
111.5	142.2	-	-	140.0	-	-	138.9	-	-	138.9	-	-	134.5	111.5
124.7	122.4	-	-	120.2	-	-	119.0	-	-	117.9	-	-	115.7	124.7
131.2	114.3	103.2	-	112.3	-	-	111.1	-	-	110.2	-	-	108.1	131.2
137.8	106.3	96.1	-	104.5	-	-	103.2	-	-	102.5	-	-	100.5	137.8
144.4	99.9	90.2	-	98.1	88.0	-	96.7	-	-	96.0	-	-	94.0	144.4
150.9	93.5	84.2	-	91.7	82.2	-	90.2	80.5	-	89.5	-	-	87.5	150.9
157.5	88.1	79.4	-	86.3	77.4	-	84.9	75.6	-	84.2	74.5	-	82.2	157.5
164.0	82.7	74.5	-	80.9	72.5	-	79.6	70.8	-	78.9	69.9	-	76.9	164.0
170.6	78.3	70.3	-	76.5	68.3	-	75.1	66.7	-	74.4	65.8	-	72.4	170.6
177.2	73.9	66.1	58.4	72.1	64.2	-	70.5	62.6	-	69.9	61.7	-	67.9	177.2
190.3	66.4	59.3	51.6	64.6	57.3	49.2	63.1	55.3	-	62.4	54.2	-	60.4	190.3
203.4	60.0	53.4	45.9	58.2	50.9	43.2	56.7	48.9	41.0	55.8	48.1	-	53.8	203.4
216.5	-	47.8	40.8	52.7	45.6	38.4	50.9	43.4	36.2	50.3	42.5	35.1	48.1	216.5
223.1	-	45.4	38.7	-	43.2	36.2	48.4	41.1	34.0	47.6	40.1	32.8	45.4	223.1
229.7	-	-	36.6	-	40.8	34.0	45.9	38.8	31.7	45.0	37.7	30.6	42.8	229.7
242.8	-	-	-	-	36.8	30.2	41.4	34.6	28.0	40.3	33.5	26.7	37.9	242.8
255.9	-	-	-	-	-	26.9	-	30.9	24.7	36.4	29.8	23.4	34.0	255.9
259.2	-	-	-	-	-	-	-	30.0	23.9	-	28.9	22.6	33.0	259.2
269.0	-	-	-	-	-	-	-	-	21.6	-	26.5	20.3	30.2	269.0
275.6	-	-	-	-	-	-	-	-	-	-	24.9	19.0	28.7	275.6
282.2	-	-	-	-	-	-	-	-	-	-	-	17.6	27.1	282.2
295.3	-	-	-	-	-	-	-	-	-	-	-	15.2	-	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	308.4

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

 396,900 lb +  132,300 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						 177.2 ft					
   85° 75° 65°																		  85° 75° 65°						  85° 75° 65°						  85° 75° 65°						  85° 75° 65°						  85° 75° 65°					
ft												1,000 lb																																			
52.5	396.8	-	-	-	-	-	339.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
59.1	350.5	-	-	-	-	-	302.0	-	-	295.4	-	-	284.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
65.6	304.2	-	-	-	-	-	266.8	-	-	264.6	-	-	257.9	-	-	251.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
72.2	266.8	-	-	-	-	-	235.9	-	-	233.7	-	-	231.5	-	-	229.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
78.7	238.1	-	-	-	-	-	212.7	-	-	211.6	-	-	209.4	-	-	207.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
85.3	213.8	197.3	-	-	-	-	192.9	176.4	-	191.8	-	-	189.6	-	-	187.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
91.9	194.0	178.6	-	-	-	-	176.4	160.9	-	174.2	158.7	-	173.1	-	-	170.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
98.4	-	163.1	-	-	-	-	149.9	136.7	-	147.7	134.5	-	146.6	131.2	-	144.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
111.5	-	137.8	125.7	-	-	-	127.3	-	-	137.8	125.1	-	136.1	122.4	-	134.5	120.2	-	-	-	-	-	-	-	-	-	-	-	-	-																	
118.1	-	-	117.4	-	-	-	117.9	106.9	-	127.9	115.7	-	125.7	113.5	-	124.6	111.3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
124.7	-	-	109.1	-	-	-	110.2	100.2	-	-	108.6	-	117.9	106.3	-	116.6	104.2	-	-	-	-	-	-	-	-	-	-	-	-	-																	
131.2	-	-	-	-	-	-	-	93.5	-	-	101.4	90.8	110.2	99.0	-	108.7	97.0	-	-	-	-	-	-	-	-	-	-	-	-	-																	
137.8	-	-	-	-	-	-	-	82.7	-	-	89.7	80.2	97.7	87.3	77.4	95.9	85.3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
150.9	-	-	-	-	-	-	-	-	-	-	-	71.4	-	77.8	68.6	85.5	75.8	66.4	-	-	-	-	-	-	-	-	-	-	-	-																	
164.0	-	-	-	-	-	-	-	-	-	-	-	-	-	73.6	64.9	-	71.8	62.5	-	-	-	-	-	-	-	-	-	-	-	-																	
170.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.3	-	67.7	58.6	-	-	-	-	-	-	-	-	-	-	-	-																	
177.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.5	-	62.7	53.8	-	-	-	-	-	-	-	-	-	-	-	-																	
187.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.9	-	61.1	52.2	-	-	-	-	-	-	-	-	-	-	-	-																	
190.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.7	-	-	-	-	-	-	-	-	-	-	-	-	-																	
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	

 196.9 ft			 216.5 ft			 236.2 ft			 255.9 ft			 275.6 ft					
 85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft						1,000 lb											
85.3	198.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.3
91.9	183.0	-	-	177.5	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	167.6	-	-	164.2	-	-	159.8	-	-	-	-	-	-	-	-	-	98.4
111.5	141.1	-	-	138.9	-	-	137.8	-	-	134.5	-	-	130.1	-	-	-	111.5
124.7	121.3	-	-	119.0	-	-	117.9	-	-	116.8	-	-	114.6	-	-	-	124.7
137.8	105.4	92.8	-	103.6	-	-	102.1	-	-	101.4	-	-	99.4	-	-	-	137.8
144.4	98.9	87.1	-	97.1	84.7	-	95.7	-	-	95.0	-	-	93.0	-	-	-	144.4
150.9	92.4	81.4	-	90.6	79.1	-	89.3	-	-	88.6	-	-	86.6	-	-	-	150.9
157.5	87.2	76.5	-	85.4	74.4	-	84.0	72.5	-	83.3	-	-	81.4	-	-	-	157.5
164.0	82.0	71.7	-	80.2	69.7	-	78.7	67.9	-	78.0	67.0	-	76.1	-	-	-	164.0
177.2	73.2	63.7	-	71.2	61.5	-	69.9	59.5	-	69.2	58.6	-	67.2	56.0	-	-	177.2
190.3	65.7	56.7	47.0	63.9	54.5	-	62.4	52.5	-	61.7	51.4	-	59.7	48.7	-	-	190.3
203.4	59.3	50.7	41.4	57.3	48.3	38.8	55.8	46.3	-	55.1	45.2	-	53.1	42.5	-	-	203.4
216.5	-	45.4	36.6	51.8	43.0	34.2	50.3	41.0	32.0	49.4	39.9	-	47.2	37.3	-	-	216.5
226.4	-	41.9	33.6	-	39.5	31.0	46.5	37.4	28.8	45.6	36.4	-	43.2	33.8	-	-	226.4
229.7	-	-	32.6	-	38.4	30.0	45.2	36.2	27.8	44.3	35.3	26.5	41.9	32.6	-	-	229.7
242.8	-	-	29.1	-	34.4	26.5	40.6	32.2	24.0	39.7	31.1	22.9	37.3	28.4	20.1	-	242.8
255.9	-	-	-	-	-	23.4	-	28.7	20.9	35.5	27.6	19.6	33.3	24.9	17.0	-	255.9
262.5	-	-	-	-	-	-	-	26.9	19.5	-	25.9	18.2	31.4	23.3	15.5	-	262.5
269.0	-	-	-	-	-	-	-	-	18.1	-	24.3	16.8	29.5	21.6	14.1	-	269.0
282.2	-	-	-	-	-	-	-	-	15.7	-	21.4	14.3	26.5	18.7	11.5	-	282.2
295.3	-	-	-	-	-	-	-	-	-	-	-	12.1	-	16.3	9.3	-	295.3
301.8	-	-	-	-	-	-	-	-	-	-	-	-	-	15.0	-	-	301.8

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

 396,900 lb +  132,300 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			177.2 ft		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft						1,000 lb													
52.5	381.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	339.5	-	-	326.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.6	302.0	-	-	293.2	-	-	284.4	-	-	-	-	-	-	-	-	-	-	-	-
72.2	264.6	-	-	264.6	-	-	257.9	-	-	249.1	-	-	-	-	-	-	-	-	-
78.7	235.9	-	-	233.7	-	-	233.7	-	-	229.3	-	-	222.7	-	-	215.0	-	-	-
85.3	212.7	191.8	-	211.6	-	-	209.4	-	-	208.3	-	-	205.0	-	-	197.3	-	-	-
91.9	192.9	173.1	-	191.8	-	-	190.7	-	-	188.5	-	-	186.3	-	-	183.0	-	-	-
98.4	-	158.7	-	175.3	156.5	-	174.2	-	-	172.0	-	-	169.8	-	-	167.6	-	-	-
105.0	-	146.6	-	162.0	144.4	-	160.9	141.1	-	158.7	-	-	156.5	-	-	154.3	-	-	-
111.5	-	134.5	-	148.8	132.3	-	147.7	130.1	-	145.5	-	-	143.3	-	-	141.1	-	-	-
118.1	-	124.6	-	-	123.5	-	137.2	121.3	-	135.0	117.9	-	133.4	-	-	131.2	-	-	-
124.7	-	-	103.4	-	114.6	-	126.8	112.4	-	124.6	110.2	-	123.5	108.2	-	121.3	-	-	-
131.2	-	-	96.8	-	107.5	-	-	105.5	-	117.2	103.2	-	115.9	101.2	-	113.5	97.9	-	-
137.8	-	-	90.2	-	100.3	88.2	-	98.5	-	109.8	96.1	-	108.2	94.1	-	105.8	91.3	-	-
150.9	-	-	-	-	-	77.8	-	86.9	75.4	97.0	84.7	-	95.5	82.7	-	93.0	79.8	-	-
157.5	-	-	-	-	-	-	-	82.0	71.2	-	79.9	-	90.2	77.9	-	87.7	75.2	-	-
164.0	-	-	-	-	-	-	-	-	67.0	-	75.2	63.7	84.9	73.2	-	82.5	70.5	-	-
177.2	-	-	-	-	-	-	-	-	59.7	-	67.5	56.4	-	65.5	54.0	73.9	62.6	-	-
190.3	-	-	-	-	-	-	-	-	-	-	-	50.5	-	58.9	47.8	66.6	55.8	44.3	-
193.6	-	-	-	-	-	-	-	-	-	-	-	-	-	57.3	46.5	-	54.3	43.0	-
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.5	-	50.0	39.2	-
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.3	-	47.4	36.9	-
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.1	-	-	34.6	-
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.9	-

 196.9 ft			 216.5 ft			 236.2 ft			 255.9 ft			 275.6 ft					
 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	65°
ft						1,000 lb									ft		
85.3	191.8	-	-	-	-	-	-	-	-	-	-	-	-	-	85.3	-	-
91.9	177.5	-	-	172.0	-	-	-	-	-	-	-	-	-	-	91.9	-	-
98.4	164.2	-	-	159.8	-	-	154.3	-	-	-	-	-	-	-	98.4	-	-
111.5	140.0	-	-	138.9	-	-	134.5	-	-	130.1	-	-	125.7	-	111.5	-	-
124.7	120.2	-	-	117.9	-	-	116.8	-	-	114.6	-	-	110.2	-	124.7	-	-
137.8	104.3	-	-	103.0	-	-	101.0	-	-	100.3	-	-	97.9	-	137.8	-	-
144.4	97.9	83.3	-	96.7	-	-	94.6	-	-	94.0	-	-	91.7	-	144.4	-	-
150.9	91.5	78.0	-	90.4	76.5	-	88.2	-	-	87.7	-	-	85.5	-	150.9	-	-
164.0	80.9	68.6	-	79.8	67.0	-	77.8	64.4	-	77.2	-	-	75.2	-	164.0	-	-
170.6	76.5	64.6	-	75.4	62.9	-	73.4	60.3	-	72.8	59.1	-	70.8	-	170.6	-	-
177.2	72.1	60.6	-	71.0	58.9	-	69.0	56.2	-	68.3	55.1	-	66.4	52.5	177.2	-	-
190.3	64.8	53.6	-	63.5	51.8	-	61.5	49.2	-	60.8	48.3	-	58.9	45.4	190.3	-	-
203.4	58.4	47.6	36.6	57.1	45.9	34.6	55.1	43.2	-	54.5	42.3	-	52.2	39.7	203.4	-	-
216.5	-	42.5	32.2	51.6	40.8	30.2	49.4	38.1	27.3	48.5	37.0	-	46.3	34.4	216.5	-	-
226.4	-	39.2	29.4	47.8	37.5	27.2	45.6	34.7	24.4	44.7	33.7	-	42.3	31.1	226.4	-	-
229.7	-	38.1	28.4	-	36.4	26.2	44.3	33.5	23.4	43.4	32.6	22.3	41.0	30.0	229.7	-	-
242.8	-	-	24.9	-	32.4	22.9	39.9	29.8	20.1	38.8	28.7	18.7	36.4	26.0	242.8	-	-
249.3	-	-	23.5	-	30.6	21.5	-	28.0	18.5	36.8	26.9	17.3	34.4	24.3	249.3	-	-
255.9	-	-	22.0	-	-	19.8	-	26.2	17.0	34.8	25.1	15.9	32.4	22.5	255.9	-	-
269.0	-	-	-	-	-	17.2	-	23.1	14.3	-	22.0	13.0	28.9	19.4	269.0	-	-
275.6	-	-	-	-	-	-	-	13.2	-	20.6	11.9	9.0	27.2	18.0	275.6	-	-
282.2	-	-	-	-	-	-	-	12.1	-	19.2	10.8	8.0	25.6	16.5	282.2	-	-
288.7	-	-	-	-	-	-	-	11.0	-	17.9	9.6	7.0	-	15.3	288.7	-	-
292.0	-	-	-	-	-	-	-	10.5	-	-	9.0	6.0	-	14.7	292.0	-	-
295.3	-	-	-	-	-	-	-	9.9	-	-	-	5.0	-	14.1	295.3	-	-
308.4	-	-	-	-	-	-	-	-	-	-	-	4.0	-	11.9	308.4	-	-

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

 396,900 lb +  132,300 lb			 27.6 ft			 32.2 ft /s			360°			75%							
 157.5 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft						1,000 lb													
52.5	366.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	326.3	-	-	315.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.6	293.2	-	-	284.4	-	-	275.6	-	-	-	-	-	-	-	-	-	-	-	-
72.2	262.4	-	-	257.9	-	-	249.1	-	-	240.3	-	-	-	-	-	-	-	-	-
78.7	233.7	-	-	233.7	-	-	229.3	-	-	220.5	-	-	215.0	-	-	-	-	-	-
85.3	210.5	-	-	209.4	-	-	208.3	-	-	203.9	-	-	197.3	-	-	190.7	-	-	-
91.9	190.7	168.7	-	189.6	-	-	188.5	-	-	186.3	-	-	183.0	-	-	177.5	-	-	-
95.1	181.9	160.9	-	181.3	-	-	180.2	-	-	178.0	-	-	175.8	-	-	170.9	-	-	-
98.4	-	153.2	-	173.1	-	-	172.0	-	-	169.8	-	-	168.7	-	-	164.2	-	-	-
105.0	-	141.6	-	160.4	138.9	-	158.7	-	-	157.1	-	-	155.4	-	-	152.1	-	-	-
111.5	-	130.1	-	147.7	127.9	-	145.5	125.7	-	144.4	-	-	142.2	-	-	140.0	-	-	-
118.1	-	121.3	-	-	119.0	-	135.6	117.2	-	133.9	113.5	-	132.3	-	-	130.1	-	-	-
124.7	-	112.4	-	-	110.2	-	125.7	108.7	-	123.5	106.0	-	122.4	-	-	120.2	-	-	-
131.2	-	-	-	-	103.5	-	-	101.7	-	116.0	99.2	-	114.6	96.8	-	112.7	-	-	-
137.8	-	-	84.4	-	96.8	-	-	94.8	-	108.5	92.4	-	106.9	90.2	-	105.2	88.0	-	-
144.4	-	-	79.5	-	90.8	76.9	-	89.2	-	102.2	86.8	-	100.6	84.7	-	98.8	82.5	-	-
150.9	-	-	74.5	-	-	72.1	-	83.6	-	95.9	81.1	-	94.4	79.1	-	92.4	76.9	-	-
157.5	-	-	-	-	-	67.9	-	78.9	65.0	-	76.6	-	89.2	74.6	-	87.2	72.4	-	-
160.8	-	-	-	-	-	65.8	-	76.5	63.1	-	74.4	-	86.6	72.4	-	84.6	70.2	-	-
164.0	-	-	-	-	-	63.7	-	-	61.1	-	72.1	57.8	84.0	70.1	-	82.0	67.9	-	-
177.2	-	-	-	-	-	-	-	-	54.2	-	64.4	50.9	-	62.4	48.3	73.4	60.0	-	-
190.3	-	-	-	-	-	-	-	-	-	-	-	45.2	-	55.8	42.5	65.9	53.1	39.5	-
196.9	-	-	-	-	-	-	-	-	-	-	-	42.8	-	52.7	40.1	-	50.3	37.0	-
203.4	-	-	-	-	-	-	-	-	-	-	-	40.3	-	-	37.7	-	47.4	34.6	-
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.5	-	42.3	30.4	-
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.9	-
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.8

 196.9 ft			 216.5 ft			 236.2 ft			 255.9 ft			 275.6 ft					
 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	 75°	 65°	 85°	75°	65°
ft						1,000 lb											
91.9	170.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	158.7	-	-	154.3	-	-	-	-	-	-	-	-	-	-	-	-	98.4
111.5	138.9	-	-	134.5	-	-	130.1	-	-	125.7	-	-	116.8	-	-	-	111.5
124.7	119.0	-	-	116.8	-	-	113.5	-	-	110.2	-	-	106.7	-	-	-	124.7
137.8	103.6	-	-	101.9	-	-	100.5	-	-	98.3	-	-	94.1	-	-	-	137.8
150.9	91.1	75.0	-	89.3	-	-	87.7	-	-	86.6	-	-	83.8	-	-	-	150.9
157.5	85.8	70.3	-	84.0	67.7	-	82.6	-	-	81.4	-	-	78.9	-	-	-	157.5
164.0	80.5	65.7	-	78.7	63.3	-	77.4	61.1	-	76.1	-	-	74.1	-	-	-	164.0
177.2	71.9	57.8	-	70.1	55.3	-	68.6	53.4	-	67.5	51.4	-	65.3	-	-	-	177.2
183.7	68.1	54.3	-	66.4	51.9	-	64.9	49.9	-	63.7	48.1	-	61.6	45.2	-	-	183.7
190.3	64.4	50.9	-	62.6	48.5	-	61.3	46.5	-	60.0	44.8	-	58.0	42.1	-	-	190.3
203.4	58.0	45.2	32.2	56.2	42.8	-	54.9	40.8	-	53.6	39.0	-	51.1	36.4	-	-	203.4
216.5	-	40.1	28.0	50.7	37.9	25.4	49.2	35.9	-	47.6	34.2	-	45.2	31.3	-	-	216.5
229.7	-	35.9	24.5	45.9	33.5	21.8	44.1	31.5	19.4	42.5	29.8	-	40.1	27.1	-	-	229.7
236.2	-	34.0	22.8	-	31.6	20.2	41.8	29.5	17.9	40.2	27.8	-	37.8	25.1	-	-	236.2
242.8	-	-	21.2	-	29.8	18.5	39.5	27.6	16.3	37.9	25.8	14.3	35.5	23.1	-	-	242.8
255.9	-	-	18.3	-	26.5	15.9	-	24.3	13.4	34.0	22.5	11.5	31.5	19.8	-	-	255.9
269.0	-	-	-	-	-	13.2	-	21.2	11.0	30.4	19.4	9.0	28.0	16.8	-	-	269.0
275.6	-	-	-	-	-	12.2	-	19.8	9.8	-	18.1	-	26.5	15.4	-	-	275.6
278.9	-	-	-	-	-	11.7	-	-	9.3	-	17.4	-	25.7	14.8	-	-	278.9
282.2	-	-	-	-	-	11.2	-	-	-	-	16.8	-	24.9	14.1	-	-	282.2
295.3	-	-	-	-	-	-	-	-	-	-	14.6	-	-	11.7	-	-	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-	-	308.4
311.7	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	-	-	311.7

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

396,900 lb + 132,300 lb				27.6 ft				32.2 ft /s				360°				75%			
177.2 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
ft						1,000 lb													
52.5	352.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
59.1	313.1	-	-	302.0	-	-	-	-	-	-	-	-	-	-	-	-	-		
65.6	282.2	-	-	273.4	-	-	264.6	-	-	-	-	-	-	-	-	-	-		
72.2	257.9	-	-	249.1	-	-	240.3	-	-	233.7	-	-	-	-	-	-	-		
78.7	231.5	-	-	229.3	-	-	220.5	-	-	213.8	-	-	207.2	-	-	-	-		
85.3	209.4	-	-	208.3	-	-	205.0	-	-	197.3	-	-	190.7	-	-	184.1	-		
91.9	189.6	-	-	188.5	-	-	187.4	-	-	183.0	-	-	177.5	-	-	170.9	-		
98.4	173.1	148.8	-	172.0	-	-	170.9	-	-	168.7	-	-	165.3	-	-	158.7	-		
105.0	-	137.2	-	159.3	134.5	-	157.6	-	-	156.0	-	-	153.2	-	-	148.8	-		
111.5	-	125.7	-	146.6	124.6	-	144.4	-	-	143.3	-	-	141.1	-	-	138.9	-		
118.1	-	117.1	-	-	115.9	-	134.5	112.4	-	133.4	-	-	131.2	-	-	129.0	-		
124.7	-	108.5	-	-	107.1	-	124.6	105.2	-	123.5	102.5	-	121.3	-	-	119.0	-		
128.0	-	104.7	-	-	103.7	-	120.8	101.8	-	119.5	99.2	-	117.4	-	-	115.2	-		
137.8	-	-	78.0	-	93.5	-	109.6	91.7	-	107.8	89.1	-	105.8	86.4	-	103.8	-		
144.4	-	-	73.2	-	87.7	-	-	86.2	-	101.5	83.7	-	99.5	81.0	-	97.6	78.5		
150.9	-	-	68.3	-	-	66.4	-	80.7	-	95.2	78.3	-	93.3	75.6	-	91.3	73.2		
164.0	-	-	-	-	-	58.4	-	71.7	55.8	-	69.4	-	82.9	66.8	-	80.9	64.2		
177.2	-	-	-	-	-	51.8	-	-	49.2	-	61.9	45.9	-	59.1	-	72.3	56.4		
183.7	-	-	-	-	-	-	-	-	46.4	-	58.4	43.2	-	55.8	-	68.7	53.1		
190.3	-	-	-	-	-	-	-	-	43.7	-	-	40.6	-	52.5	37.3	65.0	49.8		
203.4	-	-	-	-	-	-	-	-	-	-	-	35.9	-	47.0	32.6	-	44.3		
216.5	-	-	-	-	-	-	-	-	-	-	-	32.0	-	-	28.7	-	39.5		
223.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0	-	37.5		
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	-	22.5		
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4		

196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft		
85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°		
ft						1,000 lb								
91.9	165.3	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	153.2	-	-	148.8	-	-	-	-	-	-	-	-	-	98.4
111.5	134.5	-	-	130.1	-	-	124.6	-	-	121.3	-	-	-	111.5
124.7	117.9	-	-	114.6	-	-	110.2	-	-	106.9	-	-	102.7	124.7
137.8	102.5	-	-	100.8	-	-	97.7	-	-	94.8	-	-	90.8	137.8
150.9	89.9	71.0	-	88.2	-	-	86.6	-	-	84.4	-	-	80.7	150.9
164.0	79.6	61.9	-	77.8	59.3	-	76.3	-	-	75.0	-	-	71.9	164.0
170.6	75.2	58.1	-	73.4	55.4	-	72.0	53.4	-	70.7	-	-	68.1	170.6
177.2	70.8	54.2	-	69.0	51.6	-	67.7	49.6	-	66.4	-	-	64.4	177.2
183.7	67.1	50.9	-	65.4	48.4	-	64.0	46.4	-	62.7	44.3	-	61.1	183.7
190.3	63.5	47.6	-	61.7	45.2	-	60.4	43.2	-	59.1	41.2	-	57.8	190.3
203.4	57.1	42.1	-	55.3	39.7	-	54.0	37.7	-	52.5	35.7	-	50.9	203.4
216.5	-	37.3	23.4	49.8	34.8	-	48.3	32.8	-	46.7	31.1	-	45.2	216.5
229.7	-	33.1	19.8	45.0	30.6	17.2	43.0	28.7	-	41.7	26.9	-	40.1	229.7
242.8	-	29.5	17.0	-	26.9	14.3	38.6	24.9	11.9	37.0	23.1	-	35.5	242.8
255.9	-	-	14.3	-	23.8	11.7	-	21.6	9.3	33.1	19.8	-	31.5	255.9
262.5	-	-	13.2	-	22.3	10.5	-	20.3	-	31.3	18.4	-	29.7	262.5
269.0	-	-	12.1	-	-	9.3	-	18.7	-	29.5	17.0	-	27.8	269.0
272.3	-	-	-	-	-	8.8	-	18.1	-	-	16.4	-	27.0	272.3
282.2	-	-	-	-	-	-	-	16.3	-	-	14.6	-	24.7	282.2
295.3	-	-	-	-	-	-	-	-	-	-	12.1	-	-	295.3
298.6	-	-	-	-	-	-	-	-	-	-	11.7	-	-	298.6
301.8	-	-	-	-	-	-	-	-	-	-	-	-	9.0	301.8

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

396,900 lb + 132,300 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			177.2 ft		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft							1,000 lb												
59.1	302.0	-	-	291.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.6	273.4	-	-	262.4	-	-	255.7	-	-	-	-	-	-	-	-	-	-	-	-
72.2	249.1	-	-	240.3	-	-	231.5	-	-	224.9	-	-	-	-	-	-	-	-	-
78.7	229.3	-	-	220.5	-	-	213.8	-	-	206.1	-	-	199.5	-	-	-	-	-	-
85.3	208.3	-	-	203.9	-	-	197.3	-	-	190.7	-	-	184.1	-	-	-	177.5	-	-
91.9	188.5	-	-	187.4	-	-	183.0	-	-	176.4	-	-	170.9	-	-	-	165.3	-	-
98.4	172.0	-	-	170.9	-	-	169.8	-	-	164.2	-	-	158.7	-	-	-	153.2	-	-
105.0	-	132.3	-	157.6	-	-	156.5	-	-	152.7	-	-	148.8	-	-	-	143.9	-	-
111.5	-	122.4	-	144.4	119.0	-	143.3	-	-	141.1	-	-	138.9	-	-	-	134.5	-	-
124.7	-	105.4	-	-	102.5	-	123.5	100.5	-	121.3	-	-	120.2	-	-	-	117.9	-	-
131.2	-	98.3	-	-	96.0	-	115.9	93.9	-	113.9	91.1	-	112.5	-	-	-	110.2	-	-
137.8	-	-	-	-	89.5	-	108.2	87.3	-	106.5	84.9	-	104.9	82.7	-	-	102.5	-	-
150.9	-	-	62.8	-	78.7	-	-	76.9	-	93.9	74.5	-	92.6	72.1	-	-	90.2	68.6	-
164.0	-	-	55.3	-	-	51.8	-	68.3	-	-	65.5	-	82.2	63.1	-	-	79.8	59.7	-
170.6	-	-	-	-	-	48.7	-	64.4	-	-	61.7	-	77.9	59.4	-	-	75.5	56.1	-
177.2	-	-	-	-	-	45.6	-	-	43.0	-	58.0	-	73.6	55.8	-	-	71.2	52.5	-
190.3	-	-	-	-	-	-	-	-	37.9	-	51.8	34.6	-	49.4	-	-	63.9	46.1	-
203.4	-	-	-	-	-	-	-	-	33.5	-	-	30.4	-	44.1	27.6	-	-	40.8	-
210.0	-	-	-	-	-	-	-	-	-	-	-	28.5	-	41.7	25.8	-	-	38.5	-
216.5	-	-	-	-	-	-	-	-	-	-	-	26.7	-	-	24.0	-	-	36.2	20.5
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	-	-	32.2	17.2
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.1	-	-	-	14.6
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.3

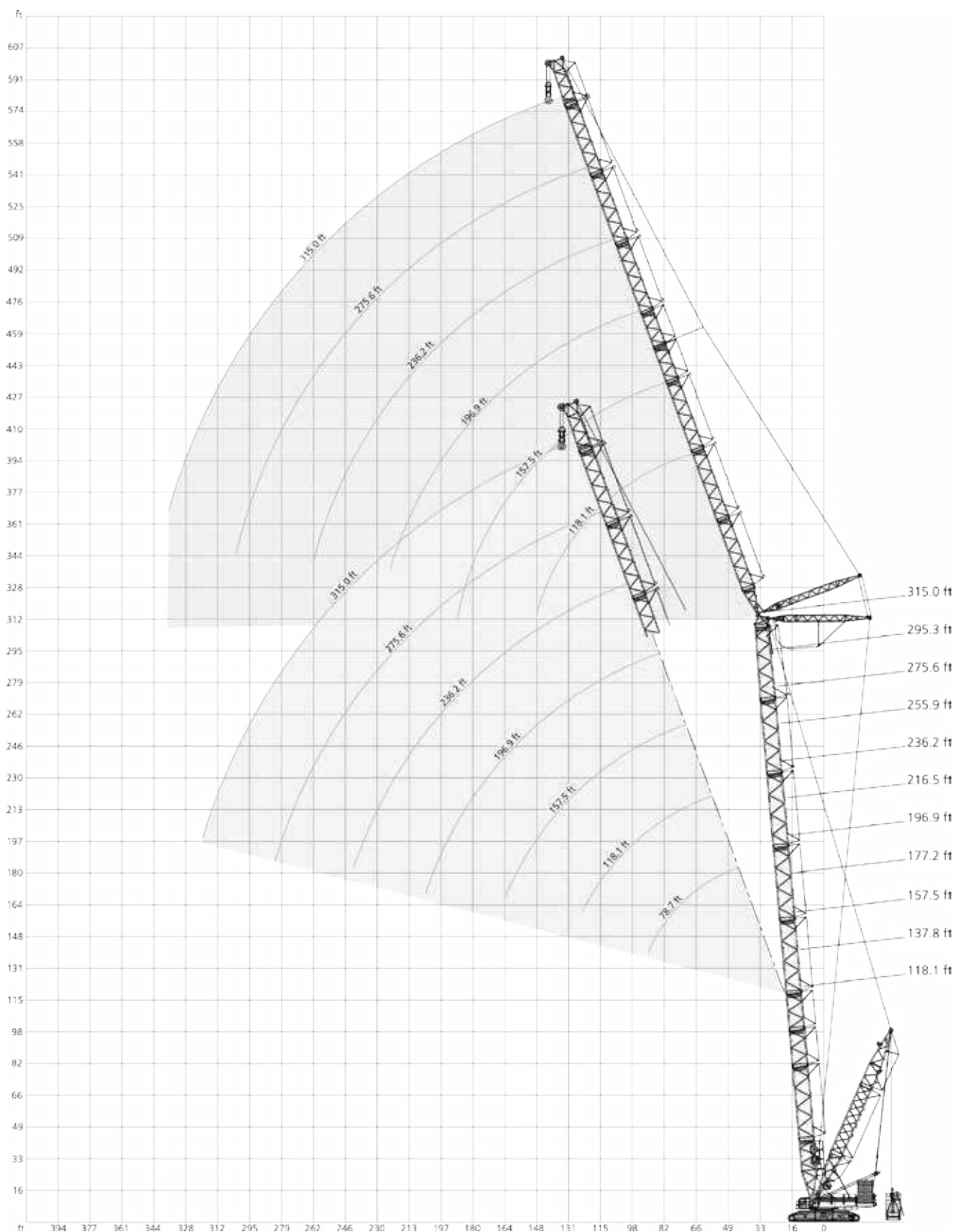
 196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft		
 85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°		
ft						1,000 lb								
91.9	158.7	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	147.7	-	-	143.3	-	-	-	-	-	-	-	-	-	98.4
111.5	129.0	-	-	124.6	-	-	120.2	-	-	110.2	-	-	-	111.5
124.7	113.5	-	-	110.2	-	-	106.0	-	-	102.7	-	-	97.0	124.7
137.8	101.2	-	-	98.1	-	-	93.9	-	-	91.1	-	-	86.9	137.8
150.9	88.6	-	-	86.9	-	-	83.8	-	-	80.9	-	-	77.2	150.9
157.5	83.6	61.7	-	81.7	-	-	79.5	-	-	76.7	-	-	73.0	157.5
164.0	78.5	57.5	-	76.5	-	-	75.2	-	-	72.5	-	-	68.8	164.0
170.6	74.2	53.9	-	72.2	51.1	-	70.9	-	-	68.8	-	-	65.1	170.6
177.2	69.9	50.3	-	67.9	47.6	-	66.6	45.4	-	65.0	-	-	61.5	177.2
183.7	66.1	47.1	-	64.3	44.5	-	62.9	42.3	-	61.5	40.3	-	58.3	183.7
190.3	62.4	43.9	-	60.6	41.4	-	59.3	39.2	-	58.0	37.5	-	55.1	190.3
196.9	59.3	41.2	-	57.5	38.8	-	56.1	36.7	-	54.7	34.8	-	52.4	196.9
203.4	56.2	38.6	-	54.5	36.2	-	52.9	34.2	-	51.4	32.2	-	49.6	203.4
216.5	-	34.0	17.9	48.7	31.5	-	47.2	29.5	-	45.6	27.6	-	44.1	216.5
229.7	-	30.0	14.8	43.9	27.6	11.9	42.1	25.6	-	40.6	23.6	-	39.0	229.7
242.8	-	26.5	12.1	-	24.0	9.3	37.7	22.0	-	36.2	20.1	-	34.6	242.8
249.3	-	24.9	10.9	-	22.5	-	-	20.4	-	34.2	18.5	-	32.6	249.3
255.9	-	-	9.7	-	20.9	-	-	18.7	-	32.2	17.0	-	30.6	255.9
259.2	-	-	9.3	-	20.3	-	-	18.1	-	31.3	16.3	-	29.8	259.2
265.7	-	-	-	-	19.0	-	-	16.8	-	29.5	15.0	-	28.0	265.7
269.0	-	-	-	-	-	-	-	16.1	-	28.7	14.3	-	27.1	269.0
282.2	-	-	-	-	-	-	-	13.7	-	-	11.7	-	23.8	282.2
285.4	-	-	-	-	-	-	-	-	-	-	11.2	-	-	285.4
295.3	-	-	-	-	-	-	-	-	-	-	9.7	-	-	295.3
298.6	-	-	-	-	-	-	-	-	-	-	9.0	-	-	298.6

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

 396,900 lb +  132,300 lb				 27.6 ft			 32.2 ft / s			360°			75%						
 216.5 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
ft							1,000 lb												
59.1	291.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.6	262.4	-	-	253.5	-	-	231.5	-	-	-	-	-	-	-	-	-	-	-	-
72.2	240.3	-	-	231.5	-	-	224.9	-	-	-	-	-	-	-	-	-	-	-	-
78.7	220.5	-	-	213.8	-	-	206.1	-	-	199.5	-	-	-	-	-	-	-	-	-
85.3	205.0	-	-	197.3	-	-	190.7	-	-	184.1	-	-	177.5	-	-	-	-	-	-
91.9	187.4	-	-	183.0	-	-	177.5	-	-	170.9	-	-	165.3	-	-	-	158.7	-	-
98.4	170.9	-	-	169.8	-	-	165.3	-	-	159.8	-	-	154.3	-	-	-	147.7	-	-
105.0	-	126.8	-	156.5	-	-	153.8	-	-	149.9	-	-	144.4	-	-	-	138.3	-	-
111.5	-	116.8	-	143.3	-	-	142.2	-	-	140.0	-	-	134.5	-	-	-	129.0	-	-
118.1	-	109.0	-	-	106.5	-	132.3	-	-	130.6	-	-	126.8	-	-	-	121.8	-	-
124.7	-	101.2	-	-	99.0	-	122.4	96.8	-	121.3	-	-	119.0	-	-	-	114.6	-	-
137.8	-	88.2	-	-	86.2	-	107.6	84.2	-	105.8	81.4	-	103.6	-	-	-	102.1	-	-
144.4	-	-	-	-	81.0	-	-	79.0	-	99.5	76.2	-	97.4	72.8	-	-	95.8	-	-
150.9	-	-	-	-	75.8	-	-	73.9	-	93.3	71.0	-	91.3	67.7	-	-	89.5	-	-
157.5	-	-	-	-	71.4	-	-	69.4	-	-	66.7	-	86.2	63.5	-	-	84.4	60.6	-
164.0	-	-	49.4	-	-	46.3	-	65.0	-	-	62.4	-	81.1	59.3	-	-	79.4	56.7	-
173.9	-	-	45.0	-	-	42.0	-	59.6	-	-	56.9	-	74.7	53.8	-	-	72.9	51.2	-
177.2	-	-	-	-	-	40.6	-	57.8	37.9	-	55.1	-	72.5	52.0	-	-	70.8	49.4	-
190.3	-	-	-	-	-	35.7	-	-	33.1	-	48.9	29.8	-	46.1	-	-	63.5	43.4	-
196.9	-	-	-	-	-	-	-	-	31.1	-	46.3	27.9	-	43.4	-	-	-	40.9	-
203.4	-	-	-	-	-	-	-	-	29.1	-	-	26.0	-	40.8	22.5	-	-	38.4	-
216.5	-	-	-	-	-	-	-	-	-	-	-	22.5	-	36.4	19.2	-	-	33.7	16.3
229.7	-	-	-	-	-	-	-	-	-	-	-	19.6	-	-	16.3	-	-	30.0	13.4
232.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.7	-	-	29.1	12.8
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9	-	-	-	10.8
252.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3

 196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft					
 85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°					
ft						1,000 lb									ft		
91.9	145.5	-	-	-	-	-	-	-	-	-	-	-	-	-	91.9		
98.4	142.2	-	-	127.9	-	-	-	-	-	-	-	-	-	-	98.4		
111.5	124.6	-	-	120.2	-	-	112.4	-	-	97.0	-	-	-	-	111.5		
124.7	110.2	-	-	106.5	-	-	102.1	-	-	97.0	-	-	86.0	-	124.7		
137.8	98.3	-	-	94.6	-	-	90.4	-	-	87.5	-	-	83.3	-	137.8		
150.9	87.5	-	-	84.4	-	-	80.7	-	-	77.8	-	-	73.9	-	150.9		
164.0	77.2	53.4	-	76.1	-	-	72.1	-	-	69.4	-	-	65.9	-	164.0		
170.6	73.0	49.9	-	71.9	48.1	-	68.6	-	-	65.9	-	-	62.4	-	170.6		
177.2	68.8	46.5	-	67.7	44.5	-	65.0	-	-	62.4	-	-	58.9	-	177.2		
183.7	65.1	43.4	-	64.0	41.7	-	61.6	38.6	-	59.3	-	-	55.8	-	183.7		
190.3	61.5	40.3	-	60.4	38.8	-	58.2	35.7	-	56.2	33.7	-	52.7	-	190.3		
203.4	55.3	35.3	-	54.2	33.5	-	51.8	30.6	-	50.7	29.5	-	47.2	25.8	203.4		
216.5	49.8	30.9	-	48.5	29.1	-	46.1	26.2	-	45.4	25.4	-	42.3	22.3	216.5		
229.7	-	27.1	-	43.4	25.4	-	41.0	22.5	-	40.3	21.6	-	38.1	18.7	229.7		
242.8	-	23.6	-	-	21.8	-	36.6	19.2	-	35.9	18.1	-	33.5	15.4	242.8		
249.3	-	22.3	-	-	20.3	-	34.7	17.6	-	34.0	16.6	-	31.6	13.8	249.3		
252.6	-	-	-	-	19.6	-	33.7	16.9	-	33.0	15.9	-	30.7	13.1	252.6		
255.9	-	-	-	-	19.0	-	-	16.1	-	32.0	15.2	-	29.8	12.3	255.9		
269.0	-	-	-	-	16.3	-	-	13.4	-	28.4	12.6	-	26.2	9.7	269.0		
272.3	-	-	-	-	-	-	-	12.9	-	-	12.0	-	25.4	9.3	272.3		
282.2	-	-	-	-	-	-	-	11.2	-	-	10.1	-	22.9	-	282.2		
288.7	-	-	-	-	-	-	-	10.1	-	-	9.0	-	-	-	288.7		

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



396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
118.1 ft + 78.7 ft SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
49.2	-	661.4	-	-	-	-	-	-	-
52.5	427.7	661.4	-	-	-	661.4	-	-	-
59.1	379.2	661.4	-	-	-	661.4	-	-	-
65.6	328.5	661.4	-	-	-	661.4	-	-	-
72.2	288.8	623.9	-	-	-	623.9	-	-	-
78.7	255.7	535.7	-	-	-	579.8	-	-	-
82.0	242.5	499.3	555.6	-	-	561.1	-	-	-
85.3	229.3	463.0	535.7	-	-	542.3	-	-	-
91.9	209.4	392.4	502.7	-	-	509.3	-	-	-
98.4	-	-	471.8	-	-	478.4	-	-	-
111.5	-	-	421.1	385.8	-	416.7	-	-	-
124.7	-	-	-	357.1	-	354.9	-	-	-
131.2	-	-	-	339.5	-	334.0	-	-	-
137.8	-	-	-	-	297.6	313.1	-	-	-
150.9	-	-	-	-	280.0	266.8	-	-	-
164.0	-	-	-	-	-	233.7	-	-	-
177.2	-	-	-	-	-	197.3	-	-	-

118.1 ft + 118.1 ft SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
59.1	354.9	566.6	-	-	-	-	-	-	-
65.6	319.7	566.6	-	-	-	557.8	-	-	-
72.2	284.4	557.8	-	-	-	549.0	-	-	-
78.7	251.3	526.9	-	-	-	540.1	-	-	-
85.3	227.1	498.2	-	-	-	526.9	-	-	-
91.9	206.1	449.7	-	-	-	493.8	-	-	-
98.4	187.4	405.7	438.7	-	-	458.6	-	-	-
111.5	158.7	328.5	403.4	-	-	407.9	-	-	-
124.7	137.8	266.8	363.8	-	-	368.2	-	-	-
137.8	-	-	315.3	310.9	-	326.3	-	-	-
150.9	-	-	253.5	284.4	-	284.4	-	-	-
164.0	-	-	-	262.4	-	251.3	-	-	-
170.6	-	-	-	253.5	238.1	235.9	-	-	-
177.2	-	-	-	-	227.1	220.5	-	-	-
190.3	-	-	-	-	209.4	197.3	-	-	-
203.4	-	-	-	-	-	170.9	-	-	-
216.5	-	-	-	-	-	145.5	-	-	-

118.1 ft + 196.9 ft SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
85.3	216.1	295.4	-	-	-	-	-	-	-
91.9	199.5	295.4	-	-	-	295.4	-	-	-
98.4	181.9	295.4	-	-	-	293.2	-	-	-
111.5	153.2	282.2	-	-	-	293.2	-	-	-
124.7	131.2	262.4	-	-	-	286.6	-	-	-
137.8	113.5	242.5	257.9	-	-	273.4	-	-	-
150.9	100.5	220.5	246.9	-	-	255.7	-	-	-
164.0	89.1	197.3	224.9	-	-	231.5	-	-	-
177.2	79.6	172.0	211.6	-	-	207.2	-	-	-
183.7	75.6	160.9	202.8	190.7	-	199.0	-	-	-
190.3	71.7	149.9	194.0	190.7	-	190.7	-	-	-
203.4	65.0	126.8	170.9	176.4	-	179.7	-	-	-
216.5	-	-	148.8	162.0	-	168.7	-	-	-
226.4	-	-	132.3	153.8	-	158.7	-	-	-
229.7	-	-	-	151.0	151.0	155.4	-	-	-
242.8	-	-	-	140.0	144.4	137.8	-	-	-
246.1	-	-	-	137.8	142.2	133.9	-	-	-
255.9	-	-	-	-	135.6	125.7	-	-	-
262.5	-	-	-	-	131.2	118.5	-	-	-
269.0	-	-	-	-	-	111.3	-	-	-
282.2	-	-	-	-	-	96.8	-	-	-
295.3	-	-	-	-	-	85.8	-	-	-

0 lb 110,250 lb 220,500 lb 330,750 lb 441,000 lb 551,250 lb 661,500 lb									
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft										27.6 ft		32.2 ft / s		360°		75%	
118.1 ft + 236.2 ft										118.1 ft + 315.0 ft							
SWSL_1 SFSL_1 SWSL_2										SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb										0 lb 0 lb - 661,500 lb							
85° 85° 75° 65° 55° 15° 85°										85° 85° 75° 65° 55° 15° 85°							
ft 1,000 lb										ft 1,000 lb							
98.4	174.2	211.6	-	-	-	-	-	-	-	124.7	95.2	98.1	-	-	-	-	-
108.3	156.8	211.6	-	-	-	209.4	-	-	-	137.8	93.0	95.0	-	-	-	95.0	-
111.5	151.0	211.6	-	-	-	209.4	-	-	-	150.9	90.4	91.9	-	-	-	92.4	-
124.7	129.0	207.2	-	-	-	207.2	-	-	-	164.0	82.7	88.6	-	-	-	89.9	-
137.8	111.3	200.6	-	-	-	205.0	-	-	-	177.2	73.0	86.0	-	-	-	87.3	-
150.9	98.1	191.8	-	-	-	200.6	-	-	-	190.3	64.8	83.6	82.9	-	-	84.4	-
157.5	92.4	187.4	191.8	-	-	197.3	-	-	-	203.4	57.8	81.1	82.0	-	-	82.0	-
164.0	86.6	183.0	189.6	-	-	194.0	-	-	-	216.5	51.4	78.7	79.8	-	-	79.8	-
177.2	77.2	174.2	185.2	-	-	183.0	-	-	-	229.7	45.6	76.3	78.0	-	-	77.6	-
190.3	69.0	159.8	178.6	-	-	172.0	-	-	-	242.8	40.6	74.3	76.5	-	-	75.6	-
203.4	62.2	141.1	172.0	-	-	160.9	-	-	-	255.9	36.2	72.8	74.7	70.8	-	73.4	-
210.0	59.1	133.4	164.8	147.7	-	155.4	-	-	-	269.0	32.0	71.2	73.2	70.5	-	71.4	-
216.5	56.0	125.7	157.6	146.6	-	149.9	-	-	-	282.2	28.4	69.7	71.7	69.9	-	69.2	-
229.7	50.9	110.2	141.1	141.1	-	141.1	-	-	-	295.3	25.1	68.1	70.3	69.2	-	67.2	-
242.8	46.1	94.8	125.7	133.4	-	134.5	-	-	-	308.4	22.3	62.6	69.2	68.8	-	65.0	-
255.9	-	-	111.3	126.8	126.8	126.8	-	-	-	315.0	20.9	57.9	68.6	68.5	62.8	63.9	-
262.5	-	-	103.6	122.9	124.0	122.4	-	-	-	321.5	19.6	53.1	67.9	68.1	62.8	62.8	-
269.0	-	-	-	119.0	121.3	117.9	-	-	-	334.6	-	-	64.4	67.5	62.8	60.4	-
282.2	-	-	-	110.2	113.5	108.9	-	-	-	341.2	-	-	59.7	67.1	62.8	59.3	-
295.3	-	-	-	-	106.7	96.6	-	-	-	347.8	-	-	-	66.8	62.8	58.2	-
301.8	-	-	-	-	103.4	90.6	-	-	-	360.9	-	-	-	64.8	62.8	56.0	-
308.4	-	-	-	-	-	84.7	-	-	-	374.0	-	-	-	-	62.8	52.2	-
321.5	-	-	-	-	-	76.3	-	-	-	380.6	-	-	-	-	62.8	49.3	-
334.6	-	-	-	-	-	65.5	-	-	-	387.1	-	-	-	-	-	47.8	-
										400.3	-	-	-	-	-	41.2	-
										413.4	-	-	-	-	-	34.6	-

118.1 ft + 275.6 ft									
ft 1,000 lb									
111.5	143.3	152.1	-	-	-	-	-	-	-
121.4	130.1	152.1	-	-	-	152.1	-	-	-
124.7	125.7	152.1	-	-	-	152.1	-	-	-
137.8	110.0	149.9	-	-	-	149.9	-	-	-
150.9	95.9	149.9	-	-	-	149.9	-	-	-
164.0	84.4	147.7	-	-	-	147.7	-	-	-
177.2	75.0	145.5	138.9	-	-	145.5	-	-	-
190.3	66.8	143.3	138.9	-	-	141.1	-	-	-
203.4	59.7	138.9	136.7	-	-	136.7	-	-	-
216.5	53.6	130.1	134.5	-	-	132.3	-	-	-
229.7	48.1	116.8	132.3	-	-	125.7	-	-	-
236.2	45.5	111.3	131.2	110.2	-	123.5	-	-	-
242.8	43.0	105.8	130.1	110.2	-	121.3	-	-	-
255.9	38.6	94.4	116.8	110.0	-	114.6	-	-	-
269.0	34.8	83.1	105.8	106.7	-	110.2	-	-	-
282.2	31.3	71.2	95.7	103.0	-	101.4	-	-	-
288.7	-	-	90.2	100.8	97.2	98.1	-	-	-
295.3	-	-	84.7	98.5	97.2	94.8	-	-	-
301.8	-	-	78.9	96.1	96.7	91.9	-	-	-
308.4	-	-	-	93.7	96.1	89.1	-	-	-
321.5	-	-	-	84.7	90.6	81.1	-	-	-
334.6	-	-	-	-	85.1	73.9	-	-	-
341.2	-	-	-	-	82.7	69.0	-	-	-
347.8	-	-	-	-	-	65.3	-	-	-
360.9	-	-	-	-	-	58.4	-	-	-
374.0	-	-	-	-	-	48.7	-	-	-

137.8 ft + 78.7 ft									
ft 1,000 lb									
52.5	412.3	661.4	-	-	-	661.4	-	-	-
59.1	366.0	661.4	-	-	-	661.4	-	-	-
65.6	324.1	659.2	-	-	-	661.4	-	-	-
72.2	286.6	632.7	-	-	-	650.4	-	-	-
78.7	253.5	562.2	-	-	-	604.1	-	-	-
85.3	229.3	485.0	533.5	-	-	557.8	-	-	-
91.9	207.2	414.5	533.5	-	-	522.5	-	-	-
98.4	-	-	487.2	-	-	493.8	-	-	-
111.5	-	-	434.3	-	-	436.5	-	-	-
118.1	-	-	412.3	-	-	407.9	-	-	-
121.4	-	-	-	372.6	-	393.5	-	-	-
124.7	-	-	-	363.8	-	379.2	-	-	-
137.8	-	-	-	330.7	-	321.9	-	-	-
150.9	-	-	-	-	275.6	288.8	-	-	-
164.0	-	-	-	-	260.1	249.1	-	-	-
177.2	-	-	-	-	-	220.5	-	-	-
190.3	-	-	-	-	-	188.5	-	-	-
203.4	-	-	-	-	-	156.5	-	-	-

0 lb	110,250 lb	220,500 lb	330,750 lb
441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft							27.6 ft 32.2 ft /s 360° 75%						
137.8 ft + 118.1 ft							137.8 ft + 196.9 ft						
SWSL_1 SFSL_1 SWSL_2							SWSL_1 SFSL_1 SWSL_2						
0 lb 0 lb - 661,500 lb							0 lb 0 lb - 661,500 lb						
ft	85°	85°	75°	65°	55°	15°	ft	85°	85°	75°	65°	55°	15°
1,000 lb							1,000 lb						
65.6	308.6	526.9	-	-	-	524.7	85.3	209.4	282.2	-	-	-	-
72.2	280.0	522.5	-	-	-	524.7	91.9	194.0	282.2	-	-	-	280.0
78.7	251.3	493.8	-	-	-	515.9	98.4	179.7	282.2	-	-	-	280.0
85.3	224.9	467.4	-	-	-	509.3	111.5	151.0	273.4	-	-	-	280.0
91.9	205.0	440.9	-	-	-	489.4	124.7	130.1	255.7	-	-	-	277.8
98.4	186.3	412.3	-	-	-	463.0	137.8	112.4	235.9	-	-	-	266.8
105.0	172.5	377.0	418.9	-	-	436.5	144.4	105.8	226.0	251.3	-	-	261.2
111.5	158.7	341.7	418.9	-	-	410.1	150.9	99.2	216.1	249.1	-	-	255.7
124.7	136.7	277.8	370.4	-	-	372.6	164.0	88.0	198.4	231.5	-	-	229.3
137.8	-	-	335.1	-	-	335.1	177.2	78.5	176.4	213.8	-	-	205.0
144.4	-	-	308.6	293.2	-	316.4	190.3	70.8	153.2	194.0	-	-	191.8
150.9	-	-	282.2	286.6	-	297.6	196.9	67.4	142.2	186.3	186.3	-	186.8
157.5	-	-	251.3	275.6	-	278.9	203.4	63.9	131.2	178.6	183.0	-	181.9
164.0	-	-	-	264.6	-	260.1	216.5	-	-	158.7	169.8	-	170.9
177.2	-	-	-	246.9	-	235.9	229.7	-	-	136.7	156.5	-	159.8
183.7	-	-	-	-	220.5	222.1	242.8	-	-	-	146.6	145.5	147.7
190.3	-	-	-	-	212.7	208.3	255.9	-	-	-	135.6	137.8	131.2
196.9	-	-	-	-	206.1	195.1	269.0	-	-	-	-	130.1	119.0
203.4	-	-	-	-	-	185.2	275.6	-	-	-	-	125.7	113.8
216.5	-	-	-	-	-	164.2	282.2	-	-	-	-	-	107.6
229.7	-	-	-	-	-	141.1	295.3	-	-	-	-	-	93.9
239.5	-	-	-	-	-	124.6	308.4	-	-	-	-	-	81.6

137.8 ft + 157.5 ft						
ft	1,000 lb					
78.7	240.3	388.0	-	-	-	388.0
85.3	222.7	388.0	-	-	-	385.8
91.9	201.7	379.2	-	-	-	385.8
98.4	184.1	368.2	-	-	-	385.8
111.5	155.4	341.7	-	-	-	368.2
124.7	133.4	302.0	324.1	-	-	326.3
137.8	116.8	260.1	304.2	-	-	304.2
150.9	103.2	222.7	273.4	-	-	280.0
164.0	92.2	189.6	242.5	-	-	257.9
170.6	-	-	231.5	233.7	-	245.8
177.2	-	-	220.5	229.3	-	233.7
190.3	-	-	194.0	215.0	-	210.5
193.6	-	-	185.2	211.6	-	206.1
203.4	-	-	-	201.7	-	192.9
210.0	-	-	-	195.7	177.5	184.1
216.5	-	-	-	189.6	174.2	175.3
229.7	-	-	-	-	164.2	155.4
236.2	-	-	-	-	160.9	147.7
242.8	-	-	-	-	-	141.1
255.9	-	-	-	-	-	124.6
269.0	-	-	-	-	-	107.4

137.8 ft + 236.2 ft						
ft	1,000 lb					
98.4	169.8	200.6	-	-	-	-
111.5	147.7	200.6	-	-	-	200.6
124.7	127.9	198.4	-	-	-	198.4
137.8	111.3	191.8	-	-	-	198.4
150.9	97.7	185.2	-	-	-	194.0
164.0	86.2	178.6	183.0	-	-	191.8
177.2	76.7	169.8	180.8	-	-	183.0
190.3	68.8	160.9	178.6	-	-	172.0
203.4	61.7	145.5	172.0	-	-	163.1
216.5	55.8	127.9	160.9	142.2	-	152.1
229.7	50.5	113.5	147.7	141.1	-	141.1
242.8	45.6	98.8	132.3	135.6	-	136.7
255.9	-	-	117.9	129.0	-	130.1
269.0	-	-	103.6	122.4	121.3	122.4
282.2	-	-	-	115.7	117.9	113.5
295.3	-	-	-	106.0	110.2	104.1
308.4	-	-	-	-	104.3	93.7
315.0	-	-	-	-	101.2	88.2
321.5	-	-	-	-	-	82.7
334.6	-	-	-	-	-	72.1
347.8	-	-	-	-	-	63.9

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

 396,900 lb +  132,300 lb		 36.1-49.2 ft		 27.6 ft		 32.2 ft / s		360°		75%	
 137.8 ft +  275.6 ft											
       											
SWSL_1 SFSL_1 SWSL_2											
0 lb 0 lb - 661,500 lb											
85° 85° 75° 65° 55° 15° 85°											
ft 1,000 lb											
111.5	138.9	145.5	-	-	-	-	-				
124.7	122.4	145.5	-	-	-	145.5	-				
137.8	108.7	143.3	-	-	-	145.5	-				
150.9	95.0	143.3	-	-	-	143.3	-				
164.0	83.6	141.1	-	-	-	143.3	-				
177.2	74.1	138.9	132.3	-	-	141.1	-				
190.3	65.9	136.7	132.3	-	-	138.9	-				
203.4	58.9	134.5	132.3	-	-	134.5	-				
216.5	52.7	132.3	132.3	-	-	130.1	-				
229.7	47.2	119.0	130.1	-	-	125.7	-				
242.8	42.1	108.0	127.9	106.7	-	121.3	-				
255.9	37.9	96.8	123.5	106.7	-	116.8	-				
269.0	34.0	85.5	110.2	105.8	-	108.0	-				
282.2	30.6	74.1	99.2	103.0	-	100.1	-				
295.3	-	-	89.7	100.3	93.7	95.0	-				
308.4	-	-	78.5	95.7	93.7	89.9	-				
321.5	-	-	-	91.5	93.0	84.7	-				
328.1	-	-	-	86.9	90.5	80.8	-				
334.6	-	-	-	-	88.0	77.2	-				
347.8	-	-	-	-	82.9	71.2	-				
351.1	-	-	-	-	81.8	69.0	-				
360.9	-	-	-	-	-	62.4	-				
374.0	-	-	-	-	-	55.3	-				
387.1	-	-	-	-	-	47.8	-				

 157.5 ft +  78.7 ft											
     											
SWSL_1 SFSL_1 SWSL_2											
0 lb 0 lb - 661,500 lb											
85° 85° 75° 65° 55° 15° 85°											
ft 1,000 lb											
52.5	396.8	654.8	-	-	-	657.0	-				
59.1	352.7	654.8	-	-	-	657.0	-				
65.6	317.5	646.0	-	-	-	654.8	-				
72.2	282.2	617.3	-	-	-	652.6	-				
78.7	251.3	573.2	-	-	-	621.7	-				
85.3	227.1	493.8	-	-	-	577.6	-				
91.9	206.1	423.3	509.3	-	-	531.3	-				
95.1	196.2	388.0	509.3	-	-	515.9	-				
98.4	-	-	509.3	-	-	500.4	-				
111.5	-	-	440.9	-	-	434.3	-				
124.7	-	-	385.8	-	-	377.0	-				
131.2	-	-	-	348.3	-	354.9	-				
137.8	-	-	-	332.9	-	332.9	-				
150.9	-	-	-	304.2	-	293.2	-				
164.0	-	-	-	-	-	262.4	-				
177.2	-	-	-	-	-	227.1	-				
190.3	-	-	-	-	-	198.4	-				
203.4	-	-	-	-	-	176.4	-				
216.5	-	-	-	-	-	149.9	-				

 157.5 ft +  118.1 ft											
 											

137.8 ft + 315.0 ft						
ft			1,000 lb			
124.7	92.4	95.0	-	-	-	-
137.8	91.1	92.8	-	-	-	92.8
150.9	88.4	89.9	-	-	-	90.4
164.0	80.5	87.1	-	-	-	88.2
177.2	72.1	84.4	-	-	-	85.8
190.3	63.9	82.0	-	-	-	83.3
196.9	60.4	80.8	80.5	-	-	82.1
203.4	56.9	79.6	80.5	-	-	80.9
216.5	50.5	77.4	78.9	-	-	78.9
229.7	44.8	75.0	77.2	-	-	76.9
242.8	39.7	73.0	75.6	-	-	74.7
255.9	35.3	71.7	74.1	-	-	72.8
269.0	31.3	70.1	72.8	68.8	-	70.8
282.2	27.8	68.8	71.2	68.6	-	69.0
295.3	24.5	67.5	70.1	68.1	-	67.0
308.4	21.6	64.8	68.8	67.7	-	64.8
321.5	19.0	55.6	67.7	67.2	-	62.4
328.1	-	-	67.1	67.0	60.8	61.2
334.6	-	-	66.6	66.8	60.8	60.0
347.8	-	-	59.7	66.4	60.8	57.5
360.9	-	-	-	65.9	60.8	55.3
367.5	-	-	-	65.5	60.8	54.1
374.0	-	-	-	-	60.8	52.9
387.1	-	-	-	-	60.8	50.5
400.3	-	-	-	-	-	44.8
413.4	-	-	-	-	-	38.6
426.5	-	-	-	-	-	34.2

157.5 ft + 118.1 ft							
ft			1,000 lb				
65.6	297.6	491.6	-	-	-	-	-
68.9	284.4	487.2	-	-	-	487.2	-
72.2	271.2	482.8	-	-	-	487.2	-
78.7	249.1	467.4	-	-	-	482.8	-
85.3	222.7	447.5	-	-	-	480.6	-
91.9	202.8	427.7	-	-	-	476.2	-
98.4	185.2	407.9	-	-	-	454.2	-
111.5	156.5	343.9	403.4	-	-	414.5	-
124.7	135.6	280.0	374.8	-	-	379.2	-
137.8	-	-	343.9	-	-	337.3	-
150.9	-	-	299.8	-	-	299.8	-
157.5	-	-	269.0	277.8	-	284.4	-
160.8	-	-	253.5	272.3	-	276.7	-
164.0	-	-	-	266.8	-	269.0	-
177.2	-	-	-	249.1	-	238.1	-
183.7	-	-	-	238.1	-	227.6	-
190.3	-	-	-	-	209.4	217.2	-
203.4	-	-	-	-	198.4	191.8	-
210.0	-	-	-	-	192.9	180.2	-
216.5	-	-	-	-	-	168.7	-
229.7	-	-	-	-	-	152.1	-
242.8	-	-	-	-	-	133.4	-
255.9	-	-	-	-	-	113.5	-

	0 lb	110,250 lb	220,500 lb	330,750 lb
	441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft										27.6 ft		32.2 ft /s		360°		75%	
157.5 ft + 157.5 ft										157.5 ft + 236.2 ft							
SWSL_1 SFSL_1 SWSL_2										SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb										0 lb 0 lb - 661,500 lb							
85° 85° 75° 65° 55° 15° 85°										85° 85° 75° 65° 55° 15° 85°							
ft 1,000 lb										ft 1,000 lb							
78.7	233.7	357.1	-	-	-	-	-	-	-	105.0	-	191.8	-	-	-	-	-
85.3	216.1	357.1	-	-	-	357.1	-	-	-	108.3	147.7	191.8	-	-	-	-	-
91.9	199.5	352.7	-	-	-	357.1	-	-	-	111.5	143.3	191.8	-	-	-	191.8	-
98.4	181.9	346.1	-	-	-	357.1	-	-	-	124.7	125.7	189.6	-	-	-	189.6	-
111.5	153.2	328.5	-	-	-	352.7	-	-	-	137.8	110.2	183.0	-	-	-	189.6	-
124.7	132.3	299.8	-	-	-	328.5	-	-	-	150.9	96.6	176.4	-	-	-	187.4	-
131.2	123.5	281.1	308.6	-	-	315.3	-	-	-	164.0	85.3	169.8	174.2	-	-	183.0	-
137.8	114.6	262.4	308.6	-	-	302.0	-	-	-	177.2	75.8	163.1	174.2	-	-	178.6	-
150.9	101.9	222.7	282.2	-	-	282.2	-	-	-	190.3	67.7	156.5	172.0	-	-	169.8	-
164.0	90.8	188.5	253.5	-	-	260.1	-	-	-	203.4	60.8	143.3	169.8	-	-	160.9	-
177.2	-	-	231.5	227.1	-	238.1	-	-	-	216.5	54.9	127.9	158.7	-	-	149.9	-
190.3	-	-	202.8	216.1	-	217.2	-	-	-	229.7	49.6	112.4	149.9	136.7	-	140.0	-
196.9	-	-	185.2	209.4	-	206.7	-	-	-	242.8	44.8	97.4	136.7	135.6	-	134.5	-
203.4	-	-	-	202.8	-	196.2	-	-	-	255.9	-	-	121.3	130.1	-	130.1	-
216.5	-	-	-	191.8	-	180.8	-	-	-	269.0	-	-	106.7	124.6	-	123.5	-
223.1	-	-	-	185.2	166.4	171.4	-	-	-	275.6	-	-	98.8	121.3	-	119.6	-
229.7	-	-	-	-	164.2	162.0	-	-	-	282.2	-	-	-	117.9	114.6	115.7	-
242.8	-	-	-	-	155.4	144.4	-	-	-	295.3	-	-	-	112.4	110.2	105.8	-
249.3	-	-	-	-	151.0	136.1	-	-	-	301.8	-	-	-	105.6	107.1	100.2	-
255.9	-	-	-	-	-	130.1	-	-	-	308.4	-	-	-	-	104.1	95.9	-
269.0	-	-	-	-	-	116.8	-	-	-	321.5	-	-	-	-	98.1	87.5	-
282.2	-	-	-	-	-	101.6	-	-	-	324.8	-	-	-	-	96.6	85.0	-
295.3	-	-	-	-	-	87.3	-	-	-	334.6	-	-	-	-	-	77.4	-
										347.8	-	-	-	-	-	67.5	-
										360.9	-	-	-	-	-	59.1	-
										370.7	-	-	-	-	-	53.6	-
157.5 ft + 196.9 ft																	

157.5 ft + 275.6 ft									
ft 1,000 lb									
111.5	134.5	141.1	-	-	-	-	-	-	-
124.7	117.9	141.1	-	-	-	141.1	-	-	-
137.8	105.2	138.9	-	-	-	138.9	-	-	-
150.9	93.7	136.7	-	-	-	138.9	-	-	-
164.0	82.5	134.5	-	-	-	138.9	-	-	-
177.2	73.0	132.3	-	-	-	136.7	-	-	-
183.7	69.0	132.3	127.9	-	-	135.6	-	-	-
190.3	65.0	132.3	127.9	-	-	134.5	-	-	-
203.4	58.2	130.1	127.9	-	-	130.1	-	-	-
216.5	51.8	127.9	127.9	-	-	125.7	-	-	-
229.7	46.1	119.0	127.9	-	-	121.3	-	-	-
242.8	41.2	105.8	127.9	-	-	116.8	-	-	-
249.3	39.1	100.8	126.8	102.1	-	113.5	-	-	-
255.9	37.0	95.7	125.7	102.1	-	110.2	-	-	-
269.0	33.1	84.2	112.4	102.1	-	105.8	-	-	-
282.2	29.8	72.8	101.4	101.2	-	97.9	-	-	-
295.3	-	-	91.7	99.4	-	94.1	-	-	-
308.4	-	-	80.5	96.8	89.1	89.3	-	-	-
315.0	-	-	74.5	94.7	89.1	86.8	-	-	-
321.5	-	-	-	92.6	89.1	84.2	-	-	-
334.6	-	-	-	86.2	87.7	79.4	-	-	-
341.2	-	-	-	80.5	85.2	75.6	-	-	-
347.8	-	-	-	-	82.7	71.9	-	-	-
360.9	-	-	-	-	77.8	66.4	-	-	-
374.0	-	-	-	-	-	58.2	-	-	-
387.1	-	-	-	-	-	49.8	-	-	-
400.3	-	-	-	-	-	44.5	-	-	-

0 lb	110,250 lb	220,500 lb	330,750 lb
441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
157.5 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
124.7	89.5	91.5	-	-	-	-	-	-	-
137.8	88.4	89.9	-	-	-	89.5	-	-	-
150.9	85.8	87.1	-	-	-	87.7	-	-	-
164.0	77.6	84.7	-	-	-	85.5	-	-	-
177.2	69.4	82.2	-	-	-	83.3	-	-	-
190.3	62.4	80.0	-	-	-	81.4	-	-	-
203.4	56.0	77.8	77.6	-	-	79.1	-	-	-
216.5	49.6	75.6	76.9	-	-	77.2	-	-	-
229.7	43.9	73.4	75.6	-	-	75.2	-	-	-
242.8	38.8	71.7	74.1	-	-	73.4	-	-	-
255.9	34.4	70.3	72.8	-	-	71.4	-	-	-
269.0	30.6	69.0	71.4	-	-	69.7	-	-	-
275.6	28.9	68.3	70.8	66.1	-	68.6	-	-	-
282.2	27.1	67.7	70.1	66.1	-	67.7	-	-	-
295.3	23.8	66.4	69.0	66.1	-	65.9	-	-	-
308.4	20.9	63.5	68.1	65.9	-	63.9	-	-	-
321.5	18.3	54.2	67.0	65.7	-	61.7	-	-	-
334.6	-	-	66.1	65.7	-	59.3	-	-	-
341.2	-	-	63.6	65.5	58.4	58.1	-	-	-
347.8	-	-	61.1	65.3	58.4	56.9	-	-	-
351.1	-	-	58.9	65.2	58.4	56.2	-	-	-
360.9	-	-	-	65.0	58.4	54.2	-	-	-
374.0	-	-	-	64.8	58.4	51.8	-	-	-
387.1	-	-	-	-	58.4	49.4	-	-	-
400.3	-	-	-	-	58.4	46.7	-	-	-
413.4	-	-	-	-	-	41.2	-	-	-
426.5	-	-	-	-	-	35.7	-	-	-
439.6	-	-	-	-	-	31.1	-	-	-

177.2 ft + 78.7 ft									
ft	1,000 lb								
52.5	381.4	612.9	-	-	-	-	657.0	-	-
59.1	339.5	612.9	-	-	-	612.9	654.8	-	-
65.6	306.4	584.2	-	-	-	608.5	628.3	-	-
72.2	280.0	557.8	-	-	-	601.9	599.7	-	-
78.7	249.1	531.3	-	-	-	593.0	571.0	-	-
85.3	224.9	493.8	-	-	-	555.6	515.9	-	-
91.9	203.9	443.1	-	-	-	520.3	443.1	-	-
98.4	186.3	370.4	480.6	-	-	482.8	370.4	-	-
111.5	-	-	432.1	-	-	432.1	-	-	-
124.7	-	-	388.0	-	-	374.8	-	-	-
128.0	-	-	377.0	-	-	363.8	-	-	-
137.8	-	-	-	317.5	-	330.7	-	-	-
150.9	-	-	-	297.6	-	293.2	-	-	-
157.5	-	-	-	284.4	-	277.8	-	-	-
164.0	-	-	-	-	-	262.4	-	-	-
177.2	-	-	-	-	-	233.7	-	-	-
190.3	-	-	-	-	-	206.1	-	-	-
203.4	-	-	-	-	-	180.8	-	-	-
216.5	-	-	-	-	-	160.9	-	-	-
229.7	-	-	-	-	-	140.0	-	-	-

177.2 ft + 157.5 ft									
ft	1,000 lb								
78.7	224.9	328.5	-	-	-	-	348.3	-	-
85.3	208.3	328.5	-	-	-	328.5	346.1	-	-
91.9	194.0	326.3	-	-	-	328.5	339.5	-	-
98.4	180.8	319.7	-	-	-	328.5	328.5	-	-
111.5	153.2	302.0	-	-	-	328.5	304.2	-	-
124.7	131.2	284.4	-	-	-	313.1	282.2	-	-
137.8	114.6	264.6	295.4	-	-	295.4	257.9	-	-
150.9	101.6	231.5	280.0	-	-	275.6	229.3	-	-
164.0	90.6	195.1	255.7	-	-	255.7	194.0	-	-
173.9	-	-	237.5	-	-	240.9	166.4	-	-
177.2	-	-	231.5	-	-	235.9	-	-	-
183.7	-	-	223.8	210.5	-	226.0	-	-	-
190.3	-	-	216.1	210.5	-	216.1	-	-	-
203.4	-	-	184.1	198.4	-	196.2	-	-	-
216.5	-	-	-	186.3	-	176.4	-	-	-
229.7	-	-	-	176.4	-	165.3	-	-	-
232.9	-	-	-	173.1	-	161.5	-	-	-
236.2	-	-	-	-	154.3	157.6	-	-	-
242.8	-	-	-	-	151.0	149.9	-	-	-
255.9	-	-	-	-	143.3	133.4	-	-	-
262.5	-	-	-	-	140.0	126.2	-	-	-
269.0	-	-	-	-	-	119.0	-	-	-
282.2	-	-	-	-	-	108.7	-	-	-
295.3	-	-	-	-	-	95.5	-	-	-
308.4	-	-	-	-	-	81.6	-	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb
	441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft 32.2 ft /s 360° 75%							
177.2 ft + 196.9 ft								177.2 ft + 275.6 ft							
SWSL_1 SFSL_1 SWSL_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
88.6	-	-	-	-	-	-	255.7	114.8	-	-	-	-	-	-	135.6
91.9	180.8	255.7	-	-	-	-	255.7	118.1	-	132.3	-	-	-	-	135.2
98.4	168.7	255.7	-	-	-	249.1	253.5	121.4	117.9	132.3	-	-	-	-	134.8
111.5	147.7	253.5	-	-	-	249.1	242.5	124.7	113.5	132.3	-	-	-	132.3	134.5
124.7	127.9	244.7	-	-	-	249.1	227.1	137.8	101.4	132.3	-	-	-	132.3	131.2
137.8	111.3	233.7	-	-	-	244.7	211.6	150.9	90.4	130.1	-	-	-	132.3	129.0
150.9	98.1	218.3	227.1	-	-	240.3	195.1	164.0	81.1	127.9	-	-	-	130.1	125.7
164.0	86.9	200.6	224.9	-	-	231.5	179.7	177.2	72.8	125.7	-	-	-	130.1	122.4
177.2	77.6	180.8	213.8	-	-	213.8	167.6	190.3	64.8	123.5	121.3	-	-	127.9	119.0
190.3	69.7	157.6	200.6	-	-	196.2	155.4	203.4	58.0	121.3	121.3	-	-	125.7	115.7
203.4	62.8	135.6	189.6	-	-	180.8	135.6	216.5	51.6	116.8	121.3	-	-	121.3	112.4
210.0	-	-	181.9	172.0	-	174.2	123.8	229.7	46.1	114.6	121.3	-	-	119.0	108.2
213.3	-	-	178.0	172.0	-	170.9	117.9	242.8	41.2	108.0	119.0	-	-	114.6	103.2
216.5	-	-	174.2	172.0	-	167.6	-	255.9	36.8	97.0	116.8	-	-	110.2	98.1
229.7	-	-	152.1	163.1	-	156.5	-	262.5	34.8	92.2	115.7	97.7	-	105.8	92.7
242.8	-	-	130.1	154.3	-	146.6	-	269.0	32.8	87.3	114.6	97.7	-	101.4	87.3
255.9	-	-	-	145.5	-	137.8	-	282.2	29.5	75.6	105.8	97.7	-	96.1	75.6
262.5	-	-	-	140.5	125.7	132.6	-	288.7	-	-	100.3	97.2	-	94.8	69.4
269.0	-	-	-	135.6	125.7	126.8	-	295.3	-	-	94.8	96.8	-	93.5	-
282.2	-	-	-	-	119.0	113.5	-	308.4	-	-	86.2	95.7	-	89.5	-
295.3	-	-	-	-	113.5	101.9	-	315.0	-	-	80.5	94.4	-	87.0	-
308.4	-	-	-	-	-	92.4	-	321.5	-	-	-	93.0	85.1	84.4	-
321.5	-	-	-	-	-	82.5	-	334.6	-	-	-	89.3	85.1	79.6	-
334.6	-	-	-	-	-	71.4	-	347.8	-	-	-	83.1	81.6	74.5	-
347.8	-	-	-	-	-	61.3	-	360.9	-	-	-	-	76.9	66.8	-
								374.0	-	-	-	-	72.3	61.1	-
								387.1	-	-	-	-	-	53.4	-
								400.3	-	-	-	-	-	45.6	-
								413.4	-	-	-	-	-	37.9	-
								426.5	-	-	-	-	-	33.3	-

177.2 ft + 236.2 ft							
ft	1,000 lb						
101.7	-	-	-	-	-	-	186.3
105.0	-	-	-	-	-	-	185.2
108.3	143.3	178.6	-	-	-	-	184.1
111.5	137.8	178.6	-	-	-	178.6	183.0
124.7	122.4	176.4	-	-	-	178.6	176.4
137.8	108.7	174.2	-	-	-	178.6	169.8
150.9	95.2	169.8	-	-	-	176.4	163.1
164.0	84.2	163.1	-	-	-	174.2	155.4
170.6	79.5	159.8	165.3	-	-	173.1	151.6
177.2	74.7	156.5	165.3	-	-	172.0	147.7
190.3	66.8	149.9	165.3	-	-	165.3	141.1
203.4	60.0	143.3	163.1	-	-	156.5	133.4
216.5	54.0	130.1	156.5	-	-	147.7	125.7
229.7	48.5	115.7	147.7	-	-	138.9	115.7
236.2	46.2	108.0	145.5	130.1	-	135.6	108.0
242.8	43.9	100.3	143.3	130.1	-	132.3	100.3
249.3	-	-	135.6	130.1	-	130.1	91.9
255.9	-	-	127.9	130.1	-	127.9	-
269.0	-	-	112.4	124.6	-	124.6	-
282.2	-	-	97.2	120.2	-	117.9	-
288.7	-	-	-	117.6	107.6	112.8	-
295.3	-	-	-	114.6	106.9	107.6	-
308.4	-	-	-	108.2	102.1	96.8	-
321.5	-	-	-	-	95.9	86.6	-
334.6	-	-	-	-	90.4	78.3	-
347.8	-	-	-	-	-	70.8	-
360.9	-	-	-	-	-	61.7	-
374.0	-	-	-	-	-	52.7	-
387.1	-	-	-	-	-	45.9	-

0 lb	110,250 lb	220,500 lb	330,750 lb
441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft / s 360° 75%									
177.2 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
124.7	85.8	88.0	-	-	-	-	-	93.9	-
137.8	85.8	86.6	-	-	-	-	86.0	92.6	-
150.9	82.9	84.4	-	-	-	-	84.7	89.9	-
164.0	74.7	82.0	-	-	-	-	82.9	87.3	-
177.2	66.8	79.6	-	-	-	-	81.1	84.9	-
190.3	60.0	77.6	-	-	-	-	79.1	82.7	-
203.4	53.8	75.6	-	-	-	-	76.9	80.5	-
210.0	51.1	74.6	75.0	-	-	-	75.9	79.4	-
216.5	48.5	73.6	75.0	-	-	-	75.0	78.3	-
229.7	43.0	71.7	73.6	-	-	-	73.2	76.1	-
242.8	37.9	69.7	72.5	-	-	-	71.4	74.1	-
255.9	33.7	68.6	71.2	-	-	-	69.7	72.3	-
269.0	29.8	67.2	70.1	-	-	-	67.9	70.8	-
282.2	26.2	66.1	69.0	63.7	-	-	66.1	69.2	-
295.3	23.1	64.8	67.9	63.7	-	-	64.6	67.7	-
308.4	20.3	63.7	67.0	63.7	-	-	62.8	65.3	-
321.5	17.6	56.2	66.1	63.7	-	-	61.1	56.2	-
324.8	-	-	66.1	63.7	-	-	60.5	53.8	-
334.6	-	-	66.1	63.7	-	-	58.9	-	-
347.8	-	-	64.6	63.7	56.0	-	56.0	-	-
354.3	-	-	60.6	63.7	56.0	-	54.7	-	-
360.9	-	-	-	63.7	56.0	-	53.4	-	-
374.0	-	-	-	63.7	55.8	-	50.7	-	-
387.1	-	-	-	63.3	55.8	-	48.3	-	-
400.3	-	-	-	-	55.8	-	45.6	-	-
413.4	-	-	-	-	53.6	-	41.9	-	-
426.5	-	-	-	-	-	-	37.5	-	-
439.6	-	-	-	-	-	-	31.5	-	-
452.8	-	-	-	-	-	-	26.0	-	-
465.9	-	-	-	-	-	-	20.7	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb
	441,000 lb	551,250 lb	661,500 lb	

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

196.9 ft + 78.7 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
55.8	-	555.6	-	-	-	-	-	599.7	-
59.1	328.5	544.5	-	-	-	-	549.0	588.6	-
65.6	295.4	524.7	-	-	-	-	544.5	566.6	-
72.2	271.2	502.7	-	-	-	-	542.3	540.1	-
78.7	249.1	480.6	-	-	-	-	540.1	515.9	-
85.3	222.7	454.2	-	-	-	-	524.7	487.2	-
91.9	202.8	425.5	-	-	-	-	498.2	451.9	-
98.4	185.2	394.6	-	-	-	-	471.8	394.6	-
105.0	-	-	443.1	-	-	-	448.6	-	-
111.5	-	-	423.3	-	-	-	425.5	-	-
124.7	-	-	383.6	-	-	-	374.8	-	-
131.2	-	-	361.6	-	-	-	351.6	-	-
137.8	-	-	-	-	-	-	328.5	-	-
144.4	-	-	-	297.6	-	-	309.7	-	-
150.9	-	-	-	293.2	-	-	291.0	-	-
164.0	-	-	-	266.8	-	-	260.1	-	-
177.2	-	-	-	-	-	-	233.7	-	-
183.7	-	-	-	-	217.2	-	222.1	-	-
190.3	-	-	-	-	212.7	-	210.5	-	-
196.9	-	-	-	-	205.0	-	198.4	-	-
203.4	-	-	-	-	-	-	186.3	-	-
216.5	-	-	-	-	-	-	163.1	-	-
229.7	-	-	-	-	-	-	143.3	-	-
242.8	-	-	-	-	-	-	127.9	-	-
252.6	-	-	-	-	-	-	113.5	-	-

196.9 ft + 118.1 ft									
ft 1,000 lb									
65.6	277.8	399.0	-	-	-	-	-	432.1	-
72.2	253.5	399.0	-	-	-	-	394.6	425.5	-
78.7	233.7	388.0	-	-	-	-	392.4	414.5	-
85.3	216.1	377.0	-	-	-	-	392.4	403.4	-
91.9	200.6	363.8	-	-	-	-	392.4	390.2	-
98.4	183.0	352.7	-	-	-	-	392.4	377.0	-
111.5	155.4	328.5	-	-	-	-	374.8	350.5	-
124.7	133.4	299.8	359.4	-	-	-	359.4	299.8	-
137.8	116.8	235.9	330.7	-	-	-	332.9	235.9	-
150.9	-	-	306.4	-	-	-	297.6	-	-
164.0	-	-	280.0	-	-	-	264.6	-	-
170.6	-	-	260.1	242.5	-	-	251.3	-	-
177.2	-	-	-	238.1	-	-	238.1	-	-
190.3	-	-	-	220.5	-	-	215.0	-	-
203.4	-	-	-	203.9	-	-	195.1	-	-
216.5	-	-	-	-	177.5	-	177.5	-	-
229.7	-	-	-	-	166.4	-	159.8	-	-
232.9	-	-	-	-	163.1	-	155.4	-	-
242.8	-	-	-	-	-	-	142.2	-	-
255.9	-	-	-	-	-	-	125.7	-	-
269.0	-	-	-	-	-	-	113.5	-	-
282.2	-	-	-	-	-	-	99.0	-	-

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%							
196.9 ft + 157.5 ft							
SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb							
78.7	218.3	297.6	-	-	-	-	319.7
85.3	201.7	297.6	-	-	-	297.6	317.5
91.9	187.4	297.6	-	-	-	297.6	310.9
98.4	174.2	291.0	-	-	-	297.6	304.2
111.5	151.0	277.8	-	-	-	297.6	288.8
124.7	130.1	262.4	-	-	-	291.0	271.2
137.8	113.5	249.1	275.6	-	-	280.0	253.5
150.9	100.3	235.9	273.4	-	-	269.0	231.5
164.0	89.3	200.6	255.7	-	-	249.1	200.6
177.2	80.2	164.2	238.1	-	-	233.7	164.2
190.3	-	-	217.2	-	-	216.1	-
196.9	-	-	207.2	199.5	-	206.1	-
203.4	-	-	197.3	195.1	-	196.2	-
210.0	-	-	179.7	189.6	-	187.4	-
216.5	-	-	-	184.1	-	178.6	-
229.7	-	-	-	172.0	-	163.1	-
242.8	-	-	-	160.9	144.4	149.9	-
255.9	-	-	-	-	140.0	134.5	-
269.0	-	-	-	-	131.2	120.2	-
282.2	-	-	-	-	-	107.4	-
295.3	-	-	-	-	-	96.6	-
308.4	-	-	-	-	-	86.2	-
321.5	-	-	-	-	-	74.1	-

196.9 ft + 236.2 ft							
SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb							
105.0	-	-	-	-	-	-	174.2
108.3	-	169.8	-	-	-	-	173.6
111.5	133.4	169.8	-	-	-	169.8	173.1
124.7	117.9	167.6	-	-	-	169.8	167.6
137.8	104.9	163.1	-	-	-	169.8	162.0
150.9	93.9	158.7	-	-	-	167.6	156.5
164.0	83.8	154.3	-	-	-	165.3	149.9
177.2	74.3	149.9	156.5	-	-	163.1	143.3
190.3	66.4	145.5	156.5	-	-	158.7	136.7
203.4	59.7	138.9	156.5	-	-	152.1	130.1
216.5	53.6	132.3	152.1	-	-	143.3	123.5
229.7	48.3	116.8	143.3	-	-	136.7	116.8
242.8	43.4	103.6	138.9	124.6	-	127.9	102.7
252.6	-	-	133.9	123.7	-	123.5	90.4
255.9	-	-	132.3	123.5	-	122.4	-
269.0	-	-	116.8	122.4	-	119.0	-
282.2	-	-	104.9	119.0	-	114.6	-
295.3	-	-	-	114.6	-	106.7	-
301.8	-	-	-	112.4	98.3	102.0	-
308.4	-	-	-	110.2	98.3	97.2	-
315.0	-	-	-	107.8	95.7	92.4	-
321.5	-	-	-	-	93.0	87.5	-
334.6	-	-	-	-	87.5	78.0	-
347.8	-	-	-	-	82.5	69.2	-
360.9	-	-	-	-	-	62.8	-
374.0	-	-	-	-	-	55.1	-
387.1	-	-	-	-	-	47.0	-
400.3	-	-	-	-	-	38.4	-

196.9 ft + 196.9 ft							
ft 1,000 lb							
91.9	175.3	224.9	-	-	-	-	240.3
98.4	163.1	224.9	-	-	-	224.9	238.1
111.5	142.2	222.7	-	-	-	224.9	229.3
124.7	125.7	216.1	-	-	-	224.9	219.4
137.8	110.2	209.4	-	-	-	222.7	205.0
150.9	96.8	200.6	-	-	-	220.5	190.7
157.5	91.2	195.1	211.6	-	-	220.5	183.5
164.0	85.5	189.6	211.6	-	-	220.5	176.4
177.2	76.3	180.8	207.2	-	-	205.0	165.3
190.3	68.6	160.9	198.4	-	-	191.8	154.3
203.4	61.9	138.9	187.4	-	-	178.6	138.9
213.3	-	-	179.1	-	-	167.8	121.3
216.5	-	-	176.4	163.1	-	164.2	-
229.7	-	-	160.9	160.9	-	154.3	-
242.8	-	-	138.9	153.2	-	145.5	-
249.3	-	-	127.9	149.4	-	141.1	-
255.9	-	-	-	145.5	-	136.7	-
269.0	-	-	-	136.7	-	124.6	-
275.6	-	-	-	132.8	117.9	119.0	-
282.2	-	-	-	129.0	115.7	113.5	-
295.3	-	-	-	-	110.0	102.3	-
308.4	-	-	-	-	103.6	91.3	-
321.5	-	-	-	-	-	81.1	-
334.6	-	-	-	-	-	73.6	-
347.8	-	-	-	-	-	63.7	-
360.9	-	-	-	-	-	53.8	-

0 lb	110,250 lb	220,500 lb	330,750 lb
441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%							
196.9 ft + 275.6 ft							
SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb							
114.8	-	-	-	-	-	-	127.9
121.4	-	125.7	-	-	-	-	127.1
124.7	110.2	125.7	-	-	-	125.7	126.8
137.8	97.7	125.7	-	-	-	125.7	124.6
150.9	87.1	123.5	-	-	-	125.7	122.4
164.0	78.0	121.3	-	-	-	125.7	120.2
177.2	70.1	119.0	-	-	-	123.5	116.8
190.3	63.3	116.8	-	-	-	121.3	114.6
196.9	60.0	115.7	114.6	-	-	121.3	113.0
203.4	56.7	114.6	114.6	-	-	121.3	111.3
216.5	50.5	112.4	114.6	-	-	116.8	108.9
229.7	45.0	108.0	114.6	-	-	112.4	104.5
242.8	40.1	105.8	114.6	-	-	110.2	100.1
255.9	35.9	97.0	114.6	-	-	105.8	95.7
269.0	32.0	87.3	112.4	91.9	-	101.4	89.1
282.2	28.7	77.6	108.0	91.9	-	97.0	77.6
288.7	-	-	103.6	91.9	-	94.8	71.7
295.3	-	-	99.2	91.9	-	92.6	-
308.4	-	-	89.3	91.9	-	88.2	-
321.5	-	-	79.6	91.9	-	83.8	-
334.6	-	-	-	89.3	78.3	78.7	-
347.8	-	-	-	86.4	77.8	73.9	-
354.3	-	-	-	85.1	75.5	70.0	-
360.9	-	-	-	-	73.2	66.1	-
374.0	-	-	-	-	69.0	58.4	-
387.1	-	-	-	-	64.8	52.5	-
400.3	-	-	-	-	-	46.5	-
413.4	-	-	-	-	-	39.5	-
426.5	-	-	-	-	-	32.4	-
439.6	-	-	-	-	-	26.2	-

196.9 ft + 315.0 ft							
SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb							
128.0	-	-	-	-	-	-	89.5
134.5	-	83.8	-	-	-	-	89.1
137.8	81.8	83.1	-	-	-	81.8	88.8
150.9	79.6	80.9	-	-	-	81.1	86.4
164.0	71.4	78.7	-	-	-	79.6	84.0
177.2	63.9	76.7	-	-	-	78.0	81.8
190.3	57.3	74.7	-	-	-	76.5	79.8
203.4	51.4	73.0	-	-	-	74.5	77.8
216.5	46.1	71.2	71.9	-	-	72.8	75.8
229.7	41.4	69.2	71.0	-	-	71.2	73.9
242.8	37.0	67.5	70.1	-	-	69.7	71.9
255.9	32.6	66.6	69.2	-	-	67.9	70.5
269.0	28.9	65.5	68.1	-	-	66.4	69.0
282.2	25.4	64.4	67.2	-	-	64.8	67.7
295.3	22.3	63.3	66.4	61.1	-	63.3	66.4
308.4	19.4	62.4	65.5	61.1	-	61.5	64.8
321.5	17.0	57.8	64.8	61.1	-	60.0	57.8
328.1	-	-	64.5	61.1	-	59.2	52.9
334.6	-	-	64.2	61.1	-	58.4	-
347.8	-	-	63.5	61.1	-	55.8	-
360.9	-	-	59.7	61.1	53.1	52.9	-
374.0	-	-	-	61.1	53.1	50.3	-
387.1	-	-	-	61.1	53.1	47.4	-
393.7	-	-	-	61.1	53.1	46.1	-
400.3	-	-	-	-	53.1	44.8	-
413.4	-	-	-	-	53.1	41.9	-
423.2	-	-	-	-	50.9	37.6	-
426.5	-	-	-	-	-	36.8	-
439.6	-	-	-	-	-	32.0	-
452.8	-	-	-	-	-	26.0	-
465.9	-	-	-	-	-	19.8	-
479.0	-	-	-	-	-	15.0	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
216.5 ft + 78.7 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85° ft 1,000 lb									
55.8	-	-	-	-	-	-	542.3	-	-
59.1	315.3	465.2	-	-	-	460.8	542.3	-	-
65.6	286.6	447.5	-	-	-	460.8	522.5	-	-
72.2	262.4	427.7	-	-	-	458.6	500.4	-	-
78.7	240.3	410.1	-	-	-	456.4	478.4	-	-
85.3	222.7	392.4	-	-	-	456.4	456.4	-	-
91.9	202.8	379.2	-	-	-	440.9	432.1	-	-
98.4	185.2	366.0	-	-	-	429.9	407.9	-	-
101.7	-	-	-	-	-	423.8	379.2	-	-
105.0	-	-	403.4	-	-	417.8	-	-	-
111.5	-	-	403.4	-	-	405.7	-	-	-
124.7	-	-	372.6	-	-	372.6	-	-	-
137.8	-	-	341.7	-	-	328.5	-	-	-
150.9	-	-	-	-	-	291.0	-	-	-
157.5	-	-	-	273.4	-	275.6	-	-	-
164.0	-	-	-	262.4	-	260.1	-	-	-
173.9	-	-	-	246.9	-	238.7	-	-	-
177.2	-	-	-	-	-	231.5	-	-	-
190.3	-	-	-	-	-	209.4	-	-	-
196.9	-	-	-	-	196.2	199.5	-	-	-
203.4	-	-	-	-	192.9	189.6	-	-	-
206.7	-	-	-	-	188.5	184.6	-	-	-
216.5	-	-	-	-	-	169.8	-	-	-
229.7	-	-	-	-	-	149.9	-	-	-
242.8	-	-	-	-	-	131.2	-	-	-
255.9	-	-	-	-	-	117.9	-	-	-
269.0	-	-	-	-	-	101.9	-	-	-

216.5 ft + 118.1 ft									
ft 1,000 lb									
68.9	-	-	-	-	-	-	396.8	-	-
72.2	244.7	341.7	-	-	-	341.7	396.8	-	-
78.7	224.9	339.5	-	-	-	341.7	385.8	-	-
85.3	208.3	330.7	-	-	-	341.7	374.8	-	-
91.9	194.0	321.9	-	-	-	341.7	363.8	-	-
98.4	180.8	315.3	-	-	-	341.7	352.7	-	-
111.5	154.3	297.6	-	-	-	328.5	328.5	-	-
124.7	133.4	280.0	319.7	-	-	321.9	306.4	-	-
137.8	116.8	249.1	313.1	-	-	306.4	246.9	-	-
141.1	-	-	309.2	-	-	300.9	229.3	-	-
150.9	-	-	297.6	-	-	284.4	-	-	-
164.0	-	-	277.8	-	-	264.6	-	-	-
177.2	-	-	253.5	229.3	-	235.9	-	-	-
190.3	-	-	-	217.2	-	213.8	-	-	-
203.4	-	-	-	200.6	-	194.0	-	-	-
210.0	-	-	-	192.9	-	185.2	-	-	-
216.5	-	-	-	-	-	176.4	-	-	-
229.7	-	-	-	-	162.0	160.9	-	-	-
242.8	-	-	-	-	152.1	145.5	-	-	-
255.9	-	-	-	-	-	129.0	-	-	-
269.0	-	-	-	-	-	114.6	-	-	-
282.2	-	-	-	-	-	102.5	-	-	-
295.3	-	-	-	-	-	91.3	-	-	-
308.4	-	-	-	-	-	77.6	-	-	-

216.5 ft + 196.9 ft									
ft 1,000 lb									
91.9	168.7	198.4	-	-	-	-	224.9	-	-
98.4	157.6	198.4	-	-	-	198.4	224.9	-	-
111.5	137.8	196.2	-	-	-	198.4	218.3	-	-
124.7	122.4	189.6	-	-	-	198.4	210.5	-	-
137.8	109.3	183.0	-	-	-	198.4	198.4	-	-
150.9	96.8	178.6	-	-	-	198.4	186.3	-	-
164.0	85.8	172.0	191.8	-	-	198.4	174.2	-	-
177.2	76.5	165.3	191.8	-	-	191.8	163.1	-	-
190.3	68.8	158.7	189.6	-	-	178.6	153.2	-	-
203.4	61.9	143.3	180.8	-	-	167.6	142.2	-	-
216.5	56.2	120.2	172.0	-	-	157.6	119.0	-	-
229.7	-	-	163.1	156.5	-	149.9	-	-	-
242.8	-	-	147.7	152.1	-	143.3	-	-	-
249.3	-	-	136.7	147.7	-	140.4	-	-	-
255.9	-	-	-	143.3	-	136.7	-	-	-
269.0	-	-	-	134.5	-	124.6	-	-	-
282.2	-	-	-	125.7	111.3	113.5	-	-	-
288.7	-	-	-	122.4	109.0	108.2	-	-	-
295.3	-	-	-	-	106.7	103.0	-	-	-
308.4	-	-	-	-	100.3	92.6	-	-	-
321.5	-	-	-	-	94.4	82.5	-	-	-
334.6	-	-	-	-	-	73.0	-	-	-
347.8	-	-	-	-	-	65.9	-	-	-
360.9	-	-	-	-	-	57.8	-	-	-
374.0	-	-	-	-	-	48.7	-	-	-
383.9	-	-	-	-	-	41.9	-	-	-

0 lb
 110,250 lb
 220,500 lb
 330,750 lb
 441,000 lb
 551,250 lb
 661,500 lb

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
216.5 ft + 236.2 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
105.0	-	-	-	-	-	-	-	-	166.4
108.3	-	152.1	-	-	-	-	-	-	166.4
111.5	129.0	152.1	-	-	-	152.1	-	-	166.4
124.7	113.5	152.1	-	-	-	152.1	-	-	160.9
137.8	101.2	147.7	-	-	-	152.1	-	-	156.5
150.9	90.6	143.3	-	-	-	152.1	-	-	151.0
164.0	81.6	141.1	-	-	-	149.9	-	-	144.4
177.2	73.2	136.7	-	-	-	149.9	-	-	138.9
183.7	69.3	135.6	145.5	-	-	149.9	-	-	136.1
190.3	65.5	134.5	145.5	-	-	149.9	-	-	133.4
203.4	58.6	130.1	143.3	-	-	143.3	-	-	126.8
216.5	52.5	125.7	143.3	-	-	136.7	-	-	121.3
229.7	47.2	119.0	138.9	-	-	130.1	-	-	114.6
242.8	42.3	103.6	130.1	-	-	123.5	-	-	106.0
249.3	40.3	97.2	127.9	115.7	-	119.8	-	-	98.0
252.6	39.2	93.9	126.8	115.7	-	118.3	-	-	93.9
255.9	-	-	125.7	115.7	-	116.8	-	-	-
269.0	-	-	121.3	115.7	-	113.5	-	-	-
282.2	-	-	108.7	114.6	-	110.2	-	-	-
288.7	-	-	103.4	114.1	-	107.5	-	-	-
295.3	-	-	-	113.5	-	104.7	-	-	-
308.4	-	-	-	106.9	-	95.0	-	-	-
315.0	-	-	-	103.8	91.5	90.8	-	-	-
321.5	-	-	-	100.8	88.8	86.6	-	-	-
328.1	-	-	-	97.7	86.2	82.2	-	-	-
334.6	-	-	-	-	83.6	77.8	-	-	-
347.8	-	-	-	-	78.5	69.2	-	-	-
360.9	-	-	-	-	74.1	61.1	-	-	-
374.0	-	-	-	-	-	54.5	-	-	-
387.1	-	-	-	-	-	48.3	-	-	-
400.3	-	-	-	-	-	40.8	-	-	-
413.4	-	-	-	-	-	33.1	-	-	-

216.5 ft + 275.6 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
118.1	-	-	-	-	-	-	-	-	123.5
121.4	-	114.6	-	-	-	-	-	-	122.9
124.7	106.0	114.6	-	-	-	-	-	-	122.4
131.2	100.1	114.6	-	-	-	-	-	114.6	121.3
137.8	94.1	114.6	-	-	-	-	-	114.6	120.2
150.9	83.8	112.4	-	-	-	-	-	114.6	117.9
164.0	75.0	110.2	-	-	-	-	-	114.6	115.7
177.2	67.5	110.2	-	-	-	-	-	112.4	112.4
190.3	60.8	108.0	-	-	-	-	-	112.4	110.2
203.4	54.9	105.8	108.0	-	-	-	-	112.4	108.0
216.5	49.4	103.6	108.0	-	-	-	-	110.2	105.6
229.7	43.9	101.4	108.0	-	-	-	-	108.0	101.9
242.8	39.2	97.0	105.8	-	-	-	-	103.6	97.9
255.9	34.8	90.4	103.6	-	-	-	-	101.4	93.9
269.0	31.1	88.2	103.6	-	-	-	-	97.0	89.9
275.6	29.4	83.8	102.5	84.0	-	-	-	94.8	84.7
282.2	27.8	79.4	101.4	84.0	-	-	-	92.6	79.4
292.0	-	-	98.1	84.0	-	-	-	89.3	70.3
295.3	-	-	97.0	84.0	-	-	-	88.2	-
308.4	-	-	90.4	84.0	-	-	-	83.8	-
321.5	-	-	84.2	84.0	-	-	-	81.6	-
328.1	-	-	78.5	83.8	-	-	-	78.7	-
334.6	-	-	-	83.8	-	-	-	75.8	-
341.2	-	-	-	83.6	71.9	-	-	73.5	-
347.8	-	-	-	83.3	71.9	-	-	71.2	-
360.9	-	-	-	80.5	69.4	-	-	65.3	-
374.0	-	-	-	-	65.3	-	-	58.0	-
387.1	-	-	-	-	61.3	-	-	50.9	-
393.7	-	-	-	-	59.5	-	-	47.5	-
400.3	-	-	-	-	-	-	-	45.0	-
413.4	-	-	-	-	-	-	-	39.7	-
426.5	-	-	-	-	-	-	-	33.3	-
439.6	-	-	-	-	-	-	-	26.9	-
452.8	-	-	-	-	-	-	-	20.5	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
216.5 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
131.2	-	-	-	-	-	-	86.4		
134.5	-	78.0	-	-	-	-	86.2		
137.8	76.5	77.6	-	-	-	-	86.0		
144.4	75.7	76.8	-	-	-	76.5	84.9		
150.9	75.0	76.1	-	-	-	76.1	83.8		
164.0	68.6	74.1	-	-	-	74.7	81.6		
177.2	61.3	72.3	-	-	-	73.6	79.6		
190.3	54.7	70.8	-	-	-	72.3	77.8		
203.4	48.9	69.2	-	-	-	70.5	75.8		
216.5	43.9	67.5	67.5	-	-	69.0	73.9		
229.7	39.2	65.9	67.5	-	-	67.5	72.1		
242.8	35.3	64.4	66.6	-	-	66.1	70.3		
255.9	31.5	63.3	65.9	-	-	64.6	68.8		
269.0	28.0	62.4	65.0	-	-	63.3	67.5		
282.2	24.5	61.5	64.4	-	-	61.7	66.1		
295.3	21.4	60.4	63.7	-	-	60.2	64.8		
301.8	20.1	60.0	63.4	57.1	-	59.5	64.3		
308.4	18.7	59.5	63.1	57.1	-	58.9	63.7		
321.5	16.1	58.6	62.4	57.1	-	57.3	59.3		
331.4	-	-	62.1	57.1	-	56.3	52.0		
334.6	-	-	61.9	57.1	-	56.0	-		
347.8	-	-	61.3	57.1	-	54.5	-		
360.9	-	-	60.8	57.1	-	51.8	-		
367.5	-	-	59.1	57.1	-	50.4	-		
374.0	-	-	-	57.1	47.4	48.9	-		
387.1	-	-	-	57.1	43.4	46.3	-		
400.3	-	-	-	57.1	43.4	43.4	-		
413.4	-	-	-	-	43.4	40.6	-		
426.5	-	-	-	-	43.4	35.5	-		
433.1	-	-	-	-	43.4	33.6	-		
439.6	-	-	-	-	-	31.7	-		
452.8	-	-	-	-	-	26.0	-		
465.9	-	-	-	-	-	20.5	-		
479.0	-	-	-	-	-	15.0	-		
492.1	-	-	-	-	-	9.3	-		

0 lb110,250 lb220,500 lb330,750 lb

441,000 lb551,250 lb661,500 lb

236.2 ft + 78.7 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
59.1	304.2	416.7	-	-	-	-	478.4		
62.3	288.8	410.1	-	-	-	410.1	478.4		
65.6	275.6	410.1	-	-	-	410.1	471.8		
72.2	251.3	385.8	-	-	-	405.7	451.9		
78.7	231.5	370.4	-	-	-	405.7	434.3		
85.3	215.0	357.1	-	-	-	405.7	414.5		
91.9	199.5	346.1	-	-	-	401.2	399.0		
98.4	183.0	335.1	-	-	-	388.0	381.4		
105.0	-	-	-	-	-	381.4	361.6		
111.5	-	-	370.4	-	-	374.8	-		
124.7	-	-	348.3	-	-	350.5	-		
137.8	-	-	326.3	-	-	321.9	-		
144.4	-	-	313.1	-	-	305.3	-		
150.9	-	-	-	-	-	288.8	-		
164.0	-	-	-	246.9	-	255.7	-		
177.2	-	-	-	233.7	-	229.3	-		
183.7	-	-	-	224.9	-	217.7	-		
190.3	-	-	-	-	-	206.1	-		
203.4	-	-	-	-	-	186.3	-		
216.5	-	-	-	-	-	167.6	-		
229.7	-	-	-	-	-	149.9	-		
242.8	-	-	-	-	-	132.3	-		
255.9	-	-	-	-	-	116.8	-		
269.0	-	-	-	-	-	105.2	-		
282.2	-	-	-	-	-	90.8	-		

236.2 ft + 118.1 ft									
ft 1,000 lb									
65.6	251.3	-	-	-	-	-	-		
72.2	235.9	308.6	-	-	-	-	359.4		
78.7	217.2	302.0	-	-	-	304.2	350.5		
85.3	201.7	295.4	-	-	-	304.2	339.5		
91.9	187.4	286.6	-	-	-	304.2	330.7		
98.4	175.3	277.8	-	-	-	304.2	319.7		
111.5	153.2	262.4	-	-	-	299.8	299.8		
124.7	132.3	246.9	-	-	-	291.0	280.0		
131.2	124.0	241.4	284.4	-	-	285.5	267.9		

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

 27.6 ft		 32.2 ft / s		360°		75%		
 236.2 ft +  78.7 ft								
		SWSL_1				SFSL_1	SWSL_2	
 0 lb		0 lb - 661,500 lb						
		85°	85°	75°	65°	55°	 15°	85°
ft		1,000 lb						
59.1	304.2	416.7	-	-	-	-	478.4	
62.3	288.8	410.1	-	-	-	410.1	478.4	
65.6	275.6	410.1	-	-	-	410.1	471.8	
72.2	251.3	385.8	-	-	-	405.7	451.9	
78.7	231.5	370.4	-	-	-	405.7	434.3	
85.3	215.0	357.1	-	-	-	405.7	414.5	
91.9	199.5	346.1	-	-	-	401.2	399.0	
98.4	183.0	335.1	-	-	-	388.0	381.4	
105.0	-	-	-	-	-	381.4	361.6	
111.5	-	-	370.4	-	-	374.8	-	
124.7	-	-	348.3	-	-	350.5	-	
137.8	-	-	326.3	-	-	321.9	-	
144.4	-	-	313.1	-	-	305.3	-	
150.9	-	-	-	-	-	288.8	-	
164.0	-	-	-	246.9	-	255.7	-	
177.2	-	-	-	233.7	-	229.3	-	
183.7	-	-	-	224.9	-	217.7	-	
190.3	-	-	-	-	-	206.1	-	
203.4	-	-	-	-	-	186.3	-	
216.5	-	-	-	-	-	167.6	-	
229.7	-	-	-	-	-	149.9	-	
242.8	-	-	-	-	-	132.3	-	
255.9	-	-	-	-	-	116.8	-	
269.0	-	-	-	-	-	105.2	-	
282.2	-	-	-	-	-	90.8	-	

236.2 ft + 118.1 ft									
1,000 lb									
65.6	251.3	-	-	-	-	-	-		
72.2	235.9	308.6	-	-	-	-	359.4		
78.7	217.2	302.0	-	-	-	304.2	350.5		
85.3	201.7	295.4	-	-	-	304.2	339.5		
91.9	187.4	286.6	-	-	-	304.2	330.7		
98.4	175.3	277.8	-	-	-	304.2	319.7		
111.5	153.2	262.4	-	-	-	299.8	299.8		
124.7	132.3	246.9	-	-	-	291.0	280.0		
131.2	124.0	241.4	284.4	-	-	285.5	267.9		
137.8	115.7	235.9	284.4	-	-	280.0	255.7		
141.1	-	-	280.5	-	-	275.0	238.1		
150.9	-	-	269.0	-	-	260.1	-		
164.0	-	-	253.5	-	-	242.5	-		
177.2	-	-	235.9	-	-	224.9	-		
183.7	-	-	227.1	-	-	216.1	-		
190.3	-	-	-	202.8	-	207.2	-		
203.4	-	-	-	191.8	-	189.6	-		
216.5	-	-	-	181.9	-	172.0	-		
219.8	-	-	-	178.6	-	168.4	-		
229.7	-	-	-	-	-	157.6	-		
236.2	-	-	-	-	145.5	150.5	-		
242.8	-	-	-	-	143.3	143.3	-		
255.9	-	-	-	-	136.7	127.9	-		
269.0	-	-	-	-	-	114.6	-		
282.2	-	-	-	-	-	101.6	-		
295.3	-	-	-	-	-	89.7	-		
308.4	-	-	-	-	-	80.5	-		
321.5	-	-	-	-	-	68.6	-		

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft		32.2 ft / s		360°		75%	
236.2 ft + 157.5 ft								236.2 ft + 236.2 ft							
SWSL_1 SFSL_1 SWSL_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
85° 85° 75° 65° 55° 15° 85°								85° 85° 75° 65° 55° 15° 85°							
ft 1,000 lb								ft 1,000 lb							
82.0	-	-	-	-	-	-	271.2	108.3	-	-	-	-	-	-	154.3
85.3	187.4	233.7	-	-	-	-	271.2	111.5	123.5	138.9	-	-	-	-	154.3
91.9	174.2	233.7	-	-	-	233.7	264.6	118.1	116.4	138.9	-	-	-	138.9	152.7
98.4	163.1	231.5	-	-	-	233.7	260.1	124.7	109.3	138.9	-	-	-	138.9	151.0
111.5	143.3	222.7	-	-	-	233.7	249.1	137.8	97.2	134.5	-	-	-	138.9	146.6
124.7	126.8	213.8	-	-	-	233.7	235.9	150.9	87.1	132.3	-	-	-	138.9	142.2
137.8	111.3	202.8	-	-	-	233.7	224.9	164.0	78.3	127.9	-	-	-	138.9	136.7
150.9	98.8	194.0	227.1	-	-	233.7	212.7	177.2	70.5	123.5	-	-	-	138.9	132.3
164.0	87.7	185.2	222.7	-	-	222.7	200.6	190.3	63.9	119.0	132.3	-	-	134.5	126.8
177.2	78.7	176.4	207.2	-	-	207.2	177.5	203.4	58.2	116.8	132.3	-	-	130.1	121.3
180.4	-	-	204.5	-	-	203.4	167.6	216.5	52.2	112.4	132.3	-	-	123.5	116.8
190.3	-	-	196.2	-	-	191.8	-	229.7	46.7	105.8	130.1	-	-	119.0	111.3
203.4	-	-	186.3	-	-	177.5	-	242.8	42.1	99.2	130.1	-	-	114.6	106.5
210.0	-	-	181.3	172.0	-	172.5	-	255.9	37.9	92.8	127.9	-	-	109.3	91.9
216.5	-	-	176.4	172.0	-	167.6	-	262.5	-	-	125.7	105.2	-	107.9	-
229.7	-	-	-	164.2	-	156.5	-	269.0	-	-	123.5	105.2	-	106.5	-
242.8	-	-	-	153.2	-	145.5	-	282.2	-	-	114.6	105.2	-	103.4	-
255.9	-	-	-	143.3	-	132.3	-	295.3	-	-	102.3	105.2	-	100.5	-
269.0	-	-	-	-	121.3	120.2	-	308.4	-	-	-	102.5	-	92.8	-
282.2	-	-	-	-	114.6	108.5	-	321.5	-	-	-	96.3	-	83.8	-
295.3	-	-	-	-	107.8	97.0	-	328.1	-	-	-	93.5	81.8	80.0	-
308.4	-	-	-	-	-	86.2	-	334.6	-	-	-	90.6	79.1	76.3	-
321.5	-	-	-	-	-	75.6	-	347.8	-	-	-	-	74.3	68.1	-
334.6	-	-	-	-	-	68.1	-	360.9	-	-	-	-	69.9	60.4	-
347.8	-	-	-	-	-	58.9	-	367.5	-	-	-	-	67.7	56.7	-
360.9	-	-	-	-	-	49.2	-	374.0	-	-	-	-	-	52.9	-

236.2 ft + 196.9 ft							
ft		1,000 lb					
95.1	-	-	-	-	-	-	206.1
98.4	151.0	180.8	-	-	-	-	206.1
105.0	142.2	179.7	-	-	-	180.8	202.8
111.5	133.4	178.6	-	-	-	180.8	199.5
124.7	117.9	174.2	-	-	-	180.8	192.9
137.8	105.4	167.6	-	-	-	180.8	185.2
150.9	94.6	160.9	-	-	-	180.8	176.4
164.0	84.4	156.5	-	-	-	180.8	168.7
170.6	79.9	154.3	174.2	-	-	179.7	164.2
177.2	75.4	152.1	174.2	-	-	178.6	159.8
190.3	67.5	145.5	174.2	-	-	169.8	149.9
203.4	60.8	141.1	169.8	-	-	158.7	140.0
216.5	55.1	123.5	163.1	-	-	149.9	123.5
229.7	-	-	156.5	-	-	140.0	-
236.2	-	-	153.2	141.1	-	136.7	-
242.8	-	-	149.9	141.1	-	133.4	-
255.9	-	-	134.5	136.7	-	127.9	-
269.0	-	-	-	127.9	-	120.2	-
282.2	-	-	-	120.2	-	109.6	-
295.3	-	-	-	112.4	100.8	100.1	-
308.4	-	-	-	-	94.6	90.2	-
321.5	-	-	-	-	88.8	80.7	-
334.6	-	-	-	-	83.8	71.7	-
347.8	-	-	-	-	-	63.1	-
360.9	-	-	-	-	-	56.2	-
374.0	-	-	-	-	-	49.2	-
387.1	-	-	-	-	-	41.0	-
400.3	-	-	-	-	-	32.8	-

	0 lb	110,250 lb	220,500 lb	330,750 lb
	441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
236.2 ft + 275.6 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85° ft 1,000 lb									
118.1	-	-	-	-	-	-	-	115.7	-
124.7	101.6	105.8	-	-	-	-	-	115.7	-
134.5	92.9	105.8	-	-	-	-	105.8	113.3	-
137.8	89.9	105.8	-	-	-	-	105.8	112.4	-
150.9	80.2	103.6	-	-	-	-	105.8	111.3	-
164.0	71.7	101.4	-	-	-	-	105.8	108.9	-
177.2	64.4	101.4	-	-	-	-	105.8	106.3	-
190.3	58.0	99.2	-	-	-	-	105.8	103.6	-
203.4	52.2	97.0	99.2	-	-	-	103.6	101.0	-
216.5	47.2	94.8	99.2	-	-	-	101.4	98.3	-
229.7	42.5	92.6	99.2	-	-	-	99.2	95.5	-
242.8	38.1	88.2	99.2	-	-	-	97.0	92.4	-
255.9	34.0	86.0	97.0	-	-	-	92.6	89.3	-
269.0	30.2	83.8	94.8	-	-	-	90.4	86.4	-
282.2	26.9	77.2	92.6	77.2	-	-	83.8	81.1	-
292.0	24.5	72.3	92.6	77.2	-	-	79.9	72.3	-
295.3	-	-	92.6	77.2	-	-	79.4	-	-
308.4	-	-	88.2	77.2	-	-	76.7	-	-
321.5	-	-	86.0	77.2	-	-	74.5	-	-
334.6	-	-	77.2	77.2	-	-	71.7	-	-
347.8	-	-	-	76.9	-	-	67.5	-	-
354.3	-	-	-	76.2	65.3	-	64.9	-	-
360.9	-	-	-	75.4	64.2	-	62.4	-	-
374.0	-	-	-	71.0	60.2	-	55.6	-	-
387.1	-	-	-	-	56.4	48.9	-	-	-
400.3	-	-	-	-	52.9	42.3	-	-	-
406.8	-	-	-	-	51.4	39.2	-	-	-
413.4	-	-	-	-	-	36.8	-	-	-
426.5	-	-	-	-	-	32.0	-	-	-
439.6	-	-	-	-	-	26.2	-	-	-
452.8	-	-	-	-	-	20.3	-	-	-
465.9	-	-	-	-	-	14.3	-	-	-
475.7	-	-	-	-	-	9.7	-	-	-

236.2 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85° ft 1,000 lb									
131.2	-	-	-	-	-	-	-	-	81.4
137.8	72.1	73.2	-	-	-	-	-	-	81.4
147.6	71.3	72.0	-	-	-	-	-	72.3	80.0
150.9	71.0	71.7	-	-	-	-	-	72.1	79.6
164.0	65.3	70.1	-	-	-	-	-	71.0	77.8
177.2	58.2	68.6	-	-	-	-	-	69.9	75.8
190.3	51.8	67.0	-	-	-	-	-	68.8	74.1
203.4	46.3	65.5	-	-	-	-	-	67.2	72.3
216.5	41.4	63.9	-	-	-	-	-	65.9	70.5
223.1	39.2	63.2	63.9	-	-	-	-	65.3	69.8
229.7	37.0	62.4	63.9	-	-	-	-	64.6	69.0
242.8	33.1	60.8	63.5	-	-	-	-	63.3	67.2
255.9	29.3	59.7	63.1	-	-	-	-	61.7	65.9
269.0	26.2	58.6	62.4	-	-	-	-	60.4	64.6
282.2	23.1	57.8	61.7	-	-	-	-	58.9	63.5
295.3	20.5	56.7	61.3	-	-	-	-	57.5	62.4
308.4	17.9	55.8	60.6	54.0	-	-	-	56.2	61.5
321.5	15.2	54.9	60.2	54.0	-	-	-	54.7	60.4
331.4	-	-	59.9	54.0	-	-	-	53.7	53.6
334.6	-	-	59.7	54.0	-	-	-	53.4	-
347.8	-	-	59.5	54.0	-	-	-	51.8	-
360.9	-	-	59.3	54.0	-	-	-	50.5	-
374.0	-	-	58.0	54.0	-	-	-	47.6	-
387.1	-	-	-	54.0	45.6	-	-	44.8	-
400.3	-	-	-	54.0	45.6	-	-	41.9	-
410.1	-	-	-	53.6	45.3	-	-	39.7	-
413.4	-	-	-	-	45.2	-	-	39.0	-
426.5	-	-	-	-	42.1	-	-	33.5	-
439.6	-	-	-	-	39.2	-	-	28.7	-
446.2	-	-	-	-	37.9	-	-	26.5	-
452.8	-	-	-	-	-	-	-	24.3	-
465.9	-	-	-	-	-	-	-	19.2	-
479.0	-	-	-	-	-	-	-	14.1	-
492.1	-	-	-	-	-	-	-	8.8	-

0 lb
 110,250 lb
 220,500 lb
 330,750 lb
 441,000 lb
 551,250 lb
 661,500 lb

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

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft 32.2 ft /s 360° 75%							
255.9 ft + 118.1 ft								255.9 ft + 157.5 ft							
SWSL_1 SFSL_1 SWSL_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
72.2	227.1	262.4	-	-	-	-	319.7	85.3	180.8	207.2	-	-	-	-	242.5
78.7	209.4	262.4	-	-	-	260.1	317.5	91.9	168.7	207.2	-	-	-	205.0	240.3
85.3	194.0	251.3	-	-	-	257.9	308.6	98.4	157.6	205.0	-	-	-	205.0	235.9
91.9	180.8	242.5	-	-	-	255.7	299.8	111.5	137.8	194.0	-	-	-	205.0	227.1
98.4	168.7	235.9	-	-	-	255.7	291.0	124.7	123.5	185.2	-	-	-	205.0	216.1
111.5	148.8	224.9	-	-	-	255.7	273.4	137.8	110.2	176.4	-	-	-	205.0	206.1
124.7	131.2	213.8	-	-	-	255.7	255.7	150.9	97.4	167.6	-	-	-	205.0	195.1
137.8	114.6	202.8	251.3	-	-	253.5	240.3	157.5	91.9	164.2	198.4	-	-	202.8	190.1
144.4	-	-	249.1	-	-	246.9	231.5	164.0	86.4	160.9	198.4	-	-	200.6	185.2
150.9	-	-	246.9	-	-	240.3	-	177.2	77.6	156.5	194.0	-	-	189.6	175.3
164.0	-	-	233.7	-	-	220.5	-	180.4	-	-	192.4	-	-	186.8	173.1
177.2	-	-	220.5	-	-	206.1	-	190.3	-	-	187.4	-	-	178.6	-
183.7	-	-	213.8	-	-	200.6	-	203.4	-	-	180.8	-	-	167.6	-
190.3	-	-	-	-	-	195.1	-	216.5	-	-	172.0	-	-	158.7	-
196.9	-	-	-	195.1	-	189.0	-	223.1	-	-	167.6	156.5	-	153.2	-
203.4	-	-	-	191.8	-	183.0	-	229.7	-	-	-	155.4	-	147.7	-
216.5	-	-	-	178.6	-	172.0	-	242.8	-	-	-	147.7	-	138.9	-
229.7	-	-	-	166.4	-	156.5	-	255.9	-	-	-	137.8	-	127.9	-
242.8	-	-	-	-	-	141.1	-	269.0	-	-	-	129.0	-	115.7	-
249.3	-	-	-	-	136.7	134.5	-	275.6	-	-	-	-	111.3	111.0	-
255.9	-	-	-	-	132.3	127.9	-	282.2	-	-	-	-	108.7	106.0	-
269.0	-	-	-	-	124.6	114.6	-	295.3	-	-	-	-	102.1	95.2	-
282.2	-	-	-	-	-	103.2	-	305.1	-	-	-	-	97.4	87.6	-
295.3	-	-	-	-	-	91.3	-	308.4	-	-	-	-	-	85.1	-
308.4	-	-	-	-	-	79.8	-	321.5	-	-	-	-	-	75.2	-
321.5	-	-	-	-	-	72.1	-	334.6	-	-	-	-	-	65.9	-
334.6	-	-	-	-	-	61.5	-	347.8	-	-	-	-	-	58.9	-
								360.9	-	-	-	-	-	50.7	-
								374.0	-	-	-	-	-	41.9	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft 32.2 ft /s 360° 75%							
255.9 ft + 196.9 ft								255.9 ft + 236.2 ft							
SWSL_1 SFSL_1 SWSL_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
95.1	-	-	-	-	-	-	186.3	108.3	-	-	-	-	-	-	141.1
98.4	145.5	160.9	-	-	-	-	186.3	111.5	115.7	119.0	-	-	-	-	141.1
108.3	132.3	160.9	-	-	-	154.3	183.8	121.4	107.8	119.0	-	-	-	119.0	139.4
111.5	127.9	160.9	-	-	-	154.3	183.0	124.7	105.2	119.0	-	-	-	119.0	138.9
124.7	113.5	154.3	-	-	-	154.3	176.4	137.8	93.5	114.6	-	-	-	119.0	135.6
137.8	101.6	147.7	-	-	-	154.3	169.8	150.9	83.6	112.4	-	-	-	119.0	131.2
150.9	91.3	143.3	-	-	-	154.3	163.1	164.0	75.2	108.0	-	-	-	119.0	126.8
164.0	82.5	136.7	-	-	-	154.3	156.5	177.2	67.7	105.8	-	-	-	119.0	122.4
170.6	78.6	134.5	154.3	-	-	154.3	152.7	190.3	61.3	101.4	114.6	-	-	119.0	117.9
177.2	74.7	132.3	154.3	-	-	154.3	148.8	203.4	55.6	99.2	114.6	-	-	116.8	113.5
190.3	67.2	127.9	154.3	-	-	147.7	142.2	216.5	50.5	97.0	114.6	-	-	114.6	110.0
203.4	60.6	121.3	149.9	-	-	141.1	134.5	229.7	45.6	92.6	112.4	-	-	110.2	105.8
216.5	54.9	116.8	145.5	-	-	134.5	125.7	242.8	41.0	90.4	110.2	-	-	105.8	101.6
219.8	-	-	143.3	-	-	132.8	119.0	255.9	36.8	88.2	108.0	-	-	99.2	94.4
229.7	-	-	136.7	-	-	127.9	-	269.0	-	-	105.8	90.4	-	92.6	-
242.8	-	-	130.1	119.0	-	122.4	-	282.2	-	-	101.4	90.4	-	89.7	-
255.9	-	-	125.7	119.0	-	117.9	-	295.3	-	-	94.8	89.9	-	87.1	-
262.5	-	-	116.8	117.4	-	116.3	-	301.8	-	-	92.6	89.1	-	85.6	-
269.0	-	-	-	115.7	-	114.6	-	308.4	-	-	-	88.2	-	84.2	-
282.2	-	-	-	112.4	-	107.4	-	321.5	-	-	-	86.0	-	80.5	-
295.3	-	-	-	107.6	-	97.2	-	334.6	-	-	-	82.7	73.9	73.6	-
301.8	-	-	-	104.9	-	93.0	-	341.2	-	-	-	80.9	71.5	69.7	-
308.4	-	-	-	-	90.2	88.8	-	347.8	-	-	-	-	69.2	65.9	-
321.5	-	-	-	-	84.7	79.8	-	360.9	-	-	-	-	65.0	58.4	-
334.6	-	-	-	-	79.6	71.2	-	374.0	-	-	-	-	61.1	51.4	-
341.2	-	-	-	-	77.2	67.0	-	380.6	-	-	-	-	59.3	48.0	-
347.8	-	-	-	-	-	62.8	-	387.1	-	-	-	-	-	44.5	-
360.9	-	-	-	-	-	54.9	-	400.3	-	-	-	-	-	38.6	-
374.0	-	-	-	-	-	48.5	-	413.4	-	-	-	-	-	33.3	-
387.1	-	-	-	-	-	41.9	-	426.5	-	-	-	-	-	27.1	-
400.3	-	-	-	-	-	34.6	-	439.6	-	-	-	-	-	20.7	-
413.4	-	-	-	-	-	27.1	-	452.8	-	-	-	-	-	14.3	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft / s 360° 75%									
255.9 ft + 275.6 ft 255.9 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
121.4	-	-	-	-	-	-	-	107.4	-
124.7	88.8	92.6	-	-	-	-	-	107.4	-
134.5	86.9	92.6	-	-	-	-	90.4	106.2	-
137.8	86.2	92.6	-	-	-	-	90.4	105.8	-
150.9	76.7	90.4	-	-	-	-	90.4	103.4	-
164.0	68.6	88.2	-	-	-	-	90.4	101.0	-
177.2	61.5	86.0	-	-	-	-	90.4	98.5	-
190.3	55.3	83.8	-	-	-	-	90.4	95.9	-
203.4	49.8	81.6	-	-	-	-	90.4	93.5	-
210.0	47.3	80.5	86.0	-	-	-	90.4	92.3	-
216.5	44.8	79.4	86.0	-	-	-	90.4	91.1	-
229.7	40.3	77.2	86.0	-	-	-	88.2	88.4	-
242.8	36.6	75.0	86.0	-	-	-	86.0	85.8	-
255.9	32.8	70.5	86.0	-	-	-	83.8	83.3	-
269.0	29.8	68.3	86.0	-	-	-	81.6	80.7	-
282.2	26.7	66.1	83.8	-	-	-	79.4	78.0	-
295.3	23.8	63.9	83.8	67.5	-	-	72.8	70.8	-
308.4	-	-	81.6	67.5	-	-	70.5	-	-
321.5	-	-	79.4	67.2	-	-	66.1	-	-
334.6	-	-	75.0	67.2	-	-	63.9	-	-
337.9	-	-	64.6	67.2	-	-	63.2	-	-
347.8	-	-	-	67.0	-	-	60.8	-	-
360.9	-	-	-	65.0	-	-	56.9	-	-
367.5	-	-	-	64.2	55.8	-	55.1	-	-
374.0	-	-	-	63.3	55.8	53.4	-	-	-
380.6	-	-	-	62.4	54.3	50.6	-	-	-
387.1	-	-	-	-	52.9	47.8	-	-	-
400.3	-	-	-	-	49.6	41.7	-	-	-
413.4	-	-	-	-	46.3	35.7	-	-	-
419.9	-	-	-	-	44.8	32.7	-	-	-
426.5	-	-	-	-	-	30.4	-	-	-
439.6	-	-	-	-	-	25.8	-	-	-
452.8	-	-	-	-	-	20.3	-	-	-
465.9	-	-	-	-	-	14.8	-	-	-
479.0	-	-	-	-	-	9.3	-	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft 32.2 ft /s 360° 75%							
275.6 ft + 118.1 ft								275.6 ft + 157.5 ft							
SWSL_1				[SFSL_1] [SWSL_2]				SWSL_1				[SFSL_1] [SWSL_2]			
0 lb				0 lb - 661,500 lb				0 lb				0 lb - 661,500 lb			
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
75.5	-	235.9	-	-	-	-	284.4	85.3	174.2	181.9	-	-	-	-	220.5
78.7	201.7	233.7	-	-	-	231.5	284.4	91.9	162.0	181.9	-	-	-	178.6	219.4
85.3	187.4	227.1	-	-	-	231.5	275.6	98.4	151.0	175.3	-	-	-	178.6	215.0
91.9	174.2	220.5	-	-	-	229.3	269.0	111.5	133.4	167.6	-	-	-	178.6	205.0
98.4	163.1	212.7	-	-	-	229.3	260.1	124.7	117.9	158.7	-	-	-	178.6	195.1
111.5	143.3	200.6	-	-	-	229.3	244.7	137.8	106.5	152.1	-	-	-	176.4	186.3
124.7	127.9	191.8	-	-	-	227.1	231.5	150.9	96.1	145.5	-	-	-	174.2	177.5
137.8	113.5	183.0	-	-	-	224.9	218.3	157.5	91.3	143.3	172.0	-	-	174.2	173.1
144.4	-	-	220.5	-	-	221.6	211.6	164.0	86.4	141.1	172.0	-	-	174.2	168.7
150.9	-	-	220.5	-	-	218.3	-	177.2	77.4	134.5	169.8	-	-	165.3	159.8
164.0	-	-	209.4	-	-	202.8	-	183.7	-	-	166.4	-	-	160.9	156.5
177.2	-	-	198.4	-	-	189.6	-	190.3	-	-	163.1	-	-	156.5	-
190.3	-	-	189.6	-	-	179.7	-	203.4	-	-	158.7	-	-	147.7	-
203.4	-	-	-	172.0	-	170.9	-	216.5	-	-	149.9	-	-	140.0	-
216.5	-	-	-	167.6	-	162.0	-	229.7	-	-	143.3	134.5	-	135.6	-
229.7	-	-	-	156.5	-	151.0	-	242.8	-	-	-	130.1	-	130.1	-
236.2	-	-	-	151.0	-	143.9	-	255.9	-	-	-	124.6	-	123.5	-
242.8	-	-	-	-	-	136.7	-	269.0	-	-	-	116.8	-	112.4	-
255.9	-	-	-	-	-	123.5	-	275.6	-	-	-	113.5	-	107.1	-
262.5	-	-	-	-	120.2	117.4	-	282.2	-	-	-	-	-	101.9	-
269.0	-	-	-	-	116.8	111.3	-	288.7	-	-	-	-	99.2	97.2	-
275.6	-	-	-	-	112.4	105.7	-	295.3	-	-	-	-	96.1	92.6	-
282.2	-	-	-	-	-	100.1	-	308.4	-	-	-	-	90.2	82.9	-
295.3	-	-	-	-	-	89.1	-	315.0	-	-	-	-	87.5	78.4	-
308.4	-	-	-	-	-	78.5	-	321.5	-	-	-	-	-	73.9	-
321.5	-	-	-	-	-	68.3	-	334.6	-	-	-	-	-	65.0	-
334.6	-	-	-	-	-	61.1	-	347.8	-	-	-	-	-	56.4	-
347.8	-	-	-	-	-	51.8	-	360.9	-	-	-	-	-	50.3	-
360.9	-	-	-	-	-	42.1	-	374.0	-	-	-	-	-	42.5	-
								387.1	-	-	-	-	-	34.6	-
								397.0	-	-	-	-	-	28.7	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 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_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
98.4	135.6	141.1	-	-	-	-	169.8	111.5	105.8	108.0	-	-	-	-	129.0
108.3	125.7	141.1	-	-	-	136.7	166.4	124.7	100.5	108.0	-	-	-	105.8	126.8
111.5	122.4	141.1	-	-	-	136.7	165.3	137.8	89.3	105.8	-	-	-	105.8	122.4
124.7	108.9	136.7	-	-	-	136.7	159.8	150.9	79.8	103.6	-	-	-	105.8	119.0
137.8	97.2	130.1	-	-	-	136.7	154.3	164.0	71.7	99.2	-	-	-	105.8	115.7
150.9	87.5	125.7	-	-	-	136.7	147.7	177.2	64.6	97.0	-	-	-	105.8	111.3
164.0	78.9	121.3	-	-	-	136.7	142.2	190.3	58.4	92.6	-	-	-	105.8	108.0
177.2	71.7	114.6	132.3	-	-	136.7	135.6	196.9	55.7	91.5	103.6	-	-	105.8	106.0
190.3	65.3	110.2	132.3	-	-	134.5	130.1	203.4	52.9	90.4	103.6	-	-	105.8	104.1
203.4	59.3	105.8	130.1	-	-	127.9	124.6	216.5	48.1	86.0	101.4	-	-	101.4	100.3
216.5	53.6	101.4	127.9	-	-	123.5	119.0	229.7	43.7	83.8	101.4	-	-	99.2	96.3
219.8	-	-	126.8	-	-	121.6	116.8	242.8	39.7	81.6	99.2	-	-	97.0	92.6
229.7	-	-	123.5	-	-	116.8	-	255.9	35.7	79.4	97.0	-	-	92.6	88.8
242.8	-	-	119.0	-	-	112.4	-	259.2	-	-	96.5	-	-	90.9	87.7
249.3	-	-	116.8	102.7	-	109.1	-	269.0	-	-	94.8	-	-	86.0	-
255.9	-	-	114.6	102.5	-	105.8	-	275.6	-	-	92.6	78.0	-	82.5	-
269.0	-	-	108.0	100.8	-	101.4	-	282.2	-	-	90.4	78.0	-	79.4	-
282.2	-	-	-	96.8	-	95.9	-	295.3	-	-	88.2	77.4	-	77.2	-
295.3	-	-	-	92.4	-	92.2	-	305.1	-	-	86.0	75.9	-	74.4	-
308.4	-	-	-	87.5	-	83.6	-	308.4	-	-	-	75.4	-	73.4	-
315.0	-	-	-	85.1	-	79.7	-	321.5	-	-	-	73.0	-	70.8	-
321.5	-	-	-	-	78.0	75.8	-	334.6	-	-	-	69.7	-	67.0	-
334.6	-	-	-	-	73.2	67.7	-	347.8	-	-	-	66.4	62.2	61.9	-
347.8	-	-	-	-	68.8	60.0	-	360.9	-	-	-	-	59.1	54.9	-
354.3	-	-	-	-	66.6	56.2	-	374.0	-	-	-	-	55.3	48.3	-
360.9	-	-	-	-	-	52.5	-	387.1	-	-	-	-	51.8	41.7	-
374.0	-	-	-	-	-	45.2	-	393.7	-	-	-	-	50.0	38.5	-
387.1	-	-	-	-	-	39.7	-	400.3	-	-	-	-	-	35.3	-
400.3	-	-	-	-	-	33.1	-	413.4	-	-	-	-	-	30.6	-
413.4	-	-	-	-	-	26.5	-	426.5	-	-	-	-	-	24.9	-
426.5	-	-	-	-	-	19.8	-	439.6	-	-	-	-	-	19.2	-
								452.8	-	-	-	-	-	13.4	-
								462.6	-	-	-	-	-	9.0	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

 396,900 lb +  132,300 lb  36.1-49.2 ft  27.6 ft  32.2 ft /s 360° 75%									
 275.6 ft +  275.6 ft									
 SWSL_1  [SFSL_1] [SWSL_2]									
 0 lb  0 lb - 661,500 lb									
 85° 85° 75° 65° 55°  15° 85°									
ft	1,000 lb								
121.4	-	-	-	-	-	-	-	-	98.1
124.7	83.8	88.2	-	-	-	-	-	-	98.1
137.8	82.0	88.2	-	-	-	-	83.8	-	96.6
150.9	73.0	86.0	-	-	-	-	83.8	-	94.6
164.0	65.0	83.8	-	-	-	-	83.8	-	92.4
177.2	58.2	81.6	-	-	-	-	83.8	-	89.9
190.3	52.2	79.4	-	-	-	-	83.8	-	87.3
203.4	47.0	77.2	-	-	-	-	83.8	-	84.9
216.5	42.1	75.0	81.6	-	-	-	83.8	-	82.2
229.7	37.9	72.8	81.6	-	-	-	81.6	-	79.6
242.8	34.2	70.5	81.6	-	-	-	81.6	-	76.9
255.9	30.6	68.3	81.6	-	-	-	79.4	-	74.3
269.0	27.6	63.9	79.4	-	-	-	77.2	-	71.7
282.2	24.7	61.7	77.2	-	-	-	75.0	-	69.0
295.3	22.3	59.5	77.2	-	-	-	70.5	-	66.6
298.6	-	-	76.6	-	-	-	68.3	-	65.9
301.8	-	-	76.1	58.4	-	-	67.2	-	-
308.4	-	-	75.0	58.4	-	-	66.1	-	-
321.5	-	-	72.8	58.4	-	-	63.9	-	-
334.6	-	-	68.3	57.5	-	-	57.3	-	-
341.2	-	-	54.5	56.9	-	-	55.1	-	-
347.8	-	-	-	56.2	-	-	52.9	-	-
360.9	-	-	-	54.5	-	-	50.3	-	-
374.0	-	-	-	52.2	-	-	47.2	-	-
380.6	-	-	-	51.3	46.1	-	45.4	-	-
387.1	-	-	-	50.3	46.1	-	43.9	-	-
400.3	-	-	-	-	43.9	-	38.4	-	-
413.4	-	-	-	-	41.0	-	32.6	-	-
426.5	-	-	-	-	38.1	-	27.1	-	-
433.1	-	-	-	-	36.8	-	24.9	-	-
439.6	-	-	-	-	-	-	22.7	-	-
452.8	-	-	-	-	-	-	17.6	-	-
465.9	-	-	-	-	-	-	12.8	-	-
475.7	-	-	-	-	-	-	9.0	-	-

 275.6 ft +  315.0 ft									
 SWSL_1  [SFSL_1] [SWSL_2]									
 0 lb  0 lb - 661,500 lb									
 85° 85° 75° 65° 55°  15° 85°									
ft	1,000 lb								
134.5	-	-	-	-	-	-	-	-	69.4
137.8	59.1	60.6	-	-	-	-	-	-	69.4
150.9	58.4	59.7	-	-	-	-	-	59.7	69.2
164.0	57.3	58.6	-	-	-	-	-	58.9	68.8
177.2	52.0	56.9	-	-	-	-	-	58.0	67.0
190.3	46.3	55.1	-	-	-	-	-	57.3	65.3
203.4	41.0	53.1	-	-	-	-	-	56.2	63.7
216.5	36.6	51.4	-	-	-	-	-	54.9	62.2
229.7	32.4	49.4	-	-	-	-	-	53.6	60.6
236.2	30.5	48.5	51.8	-	-	-	-	52.9	59.9
242.8	28.7	47.6	51.8	-	-	-	-	52.2	59.1
255.9	25.4	45.6	51.6	-	-	-	-	50.7	57.5
269.0	22.3	44.1	50.9	-	-	-	-	49.4	55.8
282.2	19.4	42.3	49.8	-	-	-	-	47.8	54.2
295.3	16.8	40.6	48.5	-	-	-	-	46.3	52.7
308.4	14.3	39.0	47.0	-	-	-	-	44.8	50.9
321.5	12.3	37.3	46.3	-	-	-	-	43.4	49.4
328.1	11.4	36.4	46.3	41.0	-	-	-	42.7	48.5
334.6	10.4	35.5	46.3	41.0	-	-	-	41.9	47.6
347.8	-	-	44.1	41.0	-	-	-	40.3	-
360.9	-	-	41.9	40.6	-	-	-	38.8	-
374.0	-	-	41.9	40.1	-	-	-	37.5	-
380.6	-	-	38.6	39.8	-	-	-	36.5	-
387.1	-	-	-	39.5	-	-	-	35.5	-
400.3	-	-	-	38.4	-	-	-	33.1	-
406.8	-	-	-	37.7	31.5	-	-	31.9	-
413.4	-	-	-	37.0	31.5	-	-	30.6	-
426.5	-	-	-	35.7	31.3	-	-	28.0	-
439.6	-	-	-	-	29.8	-	-	22.9	-
452.8	-	-	-	-	27.3	-	-	18.7	-
465.9	-	-	-	-	25.1	-	-	14.3	-
479.0	-	-	-	-	-	-	-	9.9	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
295.3 ft + 118.1 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
75.5	-	-	-	-	-	-	-	-	246.9
78.7	194.0	201.7	-	-	-	-	-	199.5	246.9
85.3	179.7	195.1	-	-	-	-	-	199.5	240.3
91.9	167.6	189.6	-	-	-	-	-	196.2	233.7
98.4	156.5	184.1	-	-	-	-	-	194.0	224.9
111.5	138.9	172.0	-	-	-	-	-	190.7	212.7
124.7	123.5	162.0	-	-	-	-	-	186.3	199.5
137.8	111.3	152.1	-	-	-	-	-	180.8	186.3
144.4	-	-	175.3	-	-	-	-	177.5	180.4
147.6	-	-	175.3	-	-	-	-	175.8	177.5
150.9	-	-	175.3	-	-	-	-	174.2	-
164.0	-	-	165.3	-	-	-	-	167.6	-
177.2	-	-	156.5	-	-	-	-	160.9	-
190.3	-	-	147.7	-	-	-	-	154.3	-
196.9	-	-	138.9	-	-	-	-	151.0	-
203.4	-	-	-	-	-	-	-	147.7	-
210.0	-	-	-	141.1	-	-	-	144.4	-
216.5	-	-	-	141.1	-	-	-	141.1	-
229.7	-	-	-	133.4	-	-	-	136.7	-
242.8	-	-	-	124.6	-	-	-	127.9	-
255.9	-	-	-	-	-	-	-	119.0	-
269.0	-	-	-	-	110.2	-	-	109.3	-
282.2	-	-	-	-	104.1	-	-	98.1	-
288.7	-	-	-	-	100.8	-	-	92.9	-
295.3	-	-	-	-	-	-	-	87.7	-
308.4	-	-	-	-	-	-	-	77.8	-
321.5	-	-	-	-	-	-	-	68.3	-
334.6	-	-	-	-	-	-	-	59.5	-
347.8	-	-	-	-	-	-	-	52.5	-
360.9	-	-	-	-	-	-	-	44.1	-
374.0	-	-	-	-	-	-	-	35.5	-

295.3 ft + 157.5 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
82.0	148.8	-	-	-	-	-	-	-	-
85.3	148.8	-	-	-	-	-	-	-	-
88.6	148.8	153.2	-	-	-	-	-	-	189.6
91.9	148.8	155.4	-	-	-	-	-	153.2	189.6
98.4	145.5	151.0	-	-	-	-	-	153.2	186.3
111.5	127.9	143.3	-	-	-	-	-	149.9	177.5
124.7	113.5	135.6	-	-	-	-	-	147.7	168.7
137.8	102.3	129.0	-	-	-	-	-	144.4	159.8
150.9	92.4	121.3	-	-	-	-	-	141.1	151.0
160.8	86.1	117.1	132.3	-	-	-	-	137.8	145.2
164.0	84.0	115.7	134.5	-	-	-	-	136.7	143.3
177.2	76.7	109.8	132.3	-	-	-	-	132.3	135.6
183.7	-	-	129.0	-	-	-	-	130.1	131.2
190.3	-	-	125.7	-	-	-	-	127.9	-
203.4	-	-	121.3	-	-	-	-	123.5	-
216.5	-	-	114.6	-	-	-	-	121.3	-
229.7	-	-	106.0	-	-	-	-	116.8	-
236.2	-	-	102.7	108.7	-	-	-	115.7	-
242.8	-	-	-	108.7	-	-	-	114.6	-
255.9	-	-	-	103.6	-	-	-	110.2	-
269.0	-	-	-	98.1	-	-	-	99.2	-
282.2	-	-	-	91.9	-	-	-	93.7	-
295.3	-	-	-	-	-	-	-	88.0	-
301.8	-	-	-	-	84.4	-	-	84.4	-
308.4	-	-	-	-	83.6	-	-	80.9	-
321.5	-	-	-	-	79.1	-	-	72.1	-
328.1	-	-	-	-	76.7	-	-	67.9	-
334.6	-	-	-	-	-	-	-	63.7	-
347.8	-	-	-	-	-	-	-	55.6	-
360.9	-	-	-	-	-	-	-	47.8	-
374.0	-	-	-	-	-	-	-	42.1	-
387.1	-	-	-	-	-	-	-	35.1	-
400.3	-	-	-	-	-	-	-	27.8	-
413.4	-	-	-	-	-	-	-	20.5	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft									
295.3 ft + 196.9 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
88.6	114.6	-	-	-	-	-	-	-	-
91.9	114.6	-	-	-	-	-	-	-	-
98.4	114.6	117.9	-	-	-	-	-	146.6	-
111.5	114.6	116.8	-	-	-	116.8	143.3	-	-
124.7	104.5	111.3	-	-	-	115.7	137.8	-	-
137.8	93.3	106.9	-	-	-	113.5	132.3	-	-
150.9	83.8	101.9	-	-	-	111.3	125.7	-	-
164.0	75.6	96.8	-	-	-	109.1	120.2	-	-
177.2	68.6	92.2	-	-	-	106.5	114.6	-	-
180.4	67.0	91.1	101.4	-	-	106.3	113.4	-	-
190.3	62.4	87.7	103.6	-	-	105.8	109.8	-	-
203.4	56.9	83.6	103.6	-	-	103.6	104.5	-	-
216.5	52.2	79.4	99.2	-	-	101.4	99.2	-	-
223.1	-	-	98.1	-	-	99.2	96.6	-	-
229.7	-	-	97.0	-	-	97.0	-	-	-
242.8	-	-	92.6	-	-	94.8	-	-	-
255.9	-	-	88.2	-	-	92.6	-	-	-
262.5	-	-	87.1	82.9	-	91.5	-	-	-
269.0	-	-	86.0	82.2	-	90.4	-	-	-
272.3	-	-	76.5	81.5	-	89.3	-	-	-
282.2	-	-	-	79.1	-	86.0	-	-	-
295.3	-	-	-	75.4	-	79.4	-	-	-
308.4	-	-	-	71.4	-	71.0	-	-	-
321.5	-	-	-	67.2	-	66.8	-	-	-
328.1	-	-	-	-	62.2	64.7	-	-	-
334.6	-	-	-	-	61.9	62.6	-	-	-
347.8	-	-	-	-	60.2	58.0	-	-	-
360.9	-	-	-	-	56.9	50.9	-	-	-
367.5	-	-	-	-	55.3	47.4	-	-	-
374.0	-	-	-	-	-	43.9	-	-	-
387.1	-	-	-	-	-	37.5	-	-	-
400.3	-	-	-	-	-	32.0	-	-	-
413.4	-	-	-	-	-	26.0	-	-	-
426.5	-	-	-	-	-	19.8	-	-	-
439.6	-	-	-	-	-	13.7	-	-	-
449.5	-	-	-	-	-	9.0	-	-	-

295.3 ft + 236.2 ft									
SWSL_1 SFSL_1 SWSL_2									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
108.3	88.4	91.1	-	-	-	-	-	-	-
111.5	89.5	92.2	-	-	-	-	-	112.4	-
124.7	88.6	90.4	-	-	-	-	90.6	110.2	-
137.8	85.3	87.1	-	-	-	-	89.3	107.6	-
150.9	76.1	83.8	-	-	-	-	88.0	103.6	-
164.0	68.3	80.0	-	-	-	-	86.6	99.9	-
177.2	61.5	76.1	-	-	-	-	84.7	95.9	-
190.3	55.6	72.3	-	-	-	-	83.8	92.2	-
200.1	51.6	69.8	77.6	-	-	-	82.1	89.3	-
203.4	50.3	69.0	81.6	-	-	-	81.6	88.4	-
216.5	45.4	66.1	81.6	-	-	-	81.6	84.7	-
229.7	41.2	63.9	79.4	-	-	-	79.4	81.1	-
242.8	37.5	61.7	77.2	-	-	-	77.2	77.4	-
255.9	34.2	59.5	75.0	-	-	-	75.0	73.9	-
259.2	-	-	74.4	-	-	-	74.4	72.8	-
269.0	-	-	72.8	-	-	-	72.8	-	-
282.2	-	-	70.5	62.4	-	-	72.8	-	-
295.3	-	-	68.3	62.2	-	-	70.5	-	-
308.4	-	-	63.9	60.6	-	-	68.3	-	-
321.5	-	-	-	58.2	-	-	61.7	-	-
334.6	-	-	-	55.6	-	-	55.1	-	-
347.8	-	-	-	52.7	-	-	50.7	-	-
360.9	-	-	-	49.8	46.1	-	47.4	-	-
374.0	-	-	-	-	45.4	-	44.3	-	-
387.1	-	-	-	-	43.4	-	40.1	-	-
400.3	-	-	-	-	41.0	-	34.0	-	-
403.5	-	-	-	-	40.6	-	32.5	-	-
413.4	-	-	-	-	-	-	28.4	-	-
426.5	-	-	-	-	-	-	23.6	-	-
439.6	-	-	-	-	-	-	18.1	-	-
452.8	-	-	-	-	-	-	12.8	-	-
462.6	-	-	-	-	-	-	8.8	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
295.3 ft + 275.6 ft									
295.3 ft + 315.0 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
118.1	67.9	69.9	-	-	-	-	-	-	-
124.7	68.6	70.3	-	-	-	-	-	85.1	-
137.8	67.9	69.4	-	-	-	69.7	84.2	-	-
150.9	65.9	67.5	-	-	-	68.6	82.0	-	-
164.0	61.7	64.6	-	-	-	67.5	79.8	-	-
177.2	55.1	61.9	-	-	-	66.1	77.4	-	-
190.3	49.4	59.1	-	-	-	64.8	74.5	-	-
203.4	44.3	56.4	-	-	-	63.9	71.9	-	-
216.5	39.7	53.8	58.2	-	-	63.9	69.2	-	-
229.7	35.7	52.9	61.7	-	-	61.7	66.6	-	-
242.8	32.0	50.7	61.7	-	-	61.7	64.2	-	-
255.9	28.7	48.5	59.5	-	-	59.5	61.7	-	-
269.0	25.6	46.3	59.5	-	-	57.3	59.3	-	-
282.2	22.7	44.1	57.3	-	-	57.3	56.9	-	-
295.3	20.3	41.9	55.1	-	-	55.1	54.5	-	-
298.6	-	-	54.6	-	-	55.1	53.8	-	-
308.4	-	-	52.9	45.6	-	55.1	-	-	-
321.5	-	-	50.7	45.2	-	52.9	-	-	-
334.6	-	-	47.4	44.3	-	50.7	-	-	-
347.8	-	-	40.8	42.8	-	48.5	-	-	-
360.9	-	-	-	41.2	-	41.9	-	-	-
374.0	-	-	-	39.5	-	37.5	-	-	-
387.1	-	-	-	37.5	32.8	34.2	-	-	-
397.0	-	-	-	36.2	32.8	32.4	-	-	-
400.3	-	-	-	-	32.8	31.7	-	-	-
413.4	-	-	-	-	32.0	29.3	-	-	-
426.5	-	-	-	-	30.6	24.5	-	-	-
439.6	-	-	-	-	28.9	19.8	-	-	-
452.8	-	-	-	-	-	15.2	-	-	-
465.9	-	-	-	-	-	10.6	-	-	-
469.2	-	-	-	-	-	9.3	-	-	-

SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
131.2	49.4	50.9	-	-	-	-	-	-	-
137.8	50.3	52.0	-	-	-	-	-	-	-
150.9	49.4	50.9	-	-	-	50.5	-	-	-
164.0	47.8	49.2	-	-	-	49.8	-	-	-
177.2	46.1	47.2	-	-	-	48.9	-	-	-
190.3	43.4	45.2	-	-	-	48.5	-	-	-
203.4	38.4	44.1	-	-	-	48.5	-	-	-
216.5	34.0	41.9	-	-	-	48.5	-	-	-
229.7	30.0	39.7	-	-	-	48.5	-	-	-
232.9	29.1	39.7	40.8	-	-	48.0	-	-	-
242.8	26.5	39.7	46.3	-	-	46.3	-	-	-
255.9	23.1	37.5	46.3	-	-	46.3	-	-	-
269.0	20.1	35.3	44.1	-	-	44.1	-	-	-
282.2	17.4	35.3	44.1	-	-	44.1	-	-	-
295.3	15.0	33.1	41.9	-	-	41.9	-	-	-
308.4	12.6	30.9	41.9	-	-	41.9	-	-	-
321.5	10.6	28.7	39.7	-	-	39.7	-	-	-
331.4	9.0	28.7	38.9	-	-	39.7	-	-	-
334.6	-	28.7	38.6	30.2	-	39.7	-	-	-
347.8	-	-	37.5	30.2	-	37.5	-	-	-
360.9	-	-	36.4	29.8	-	37.5	-	-	-
374.0	-	-	34.2	28.9	-	35.3	-	-	-
387.1	-	-	26.2	27.8	-	33.1	-	-	-
400.3	-	-	-	26.7	-	23.6	-	-	-
413.4	-	-	-	25.4	-	19.0	-	-	-
419.9	-	-	-	24.8	19.8	17.0	-	-	-
426.5	-	-	-	24.0	19.8	15.0	-	-	-
433.1	-	-	-	23.4	19.7	12.7	-	-	-
439.6	-	-	-	-	19.6	10.4	-	-	-
442.9	-	-	-	-	19.5	9.3	-	-	-
452.8	-	-	-	-	19.2	-	-	-	-
465.9	-	-	-	-	18.3	-	-	-	-
479.0	-	-	-	-	17.4	-	-	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
315.0 ft + 118.1 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
78.7	173.1	178.6	-	-	-	-	-	219.4	-
85.3	172.0	178.6	-	-	-	-	176.4	216.1	-
91.9	160.9	170.9	-	-	-	-	175.3	210.5	-
98.4	151.0	165.3	-	-	-	-	173.1	203.9	-
111.5	133.4	154.3	-	-	-	-	168.7	191.8	-
124.7	119.0	144.4	-	-	-	-	164.2	179.7	-
137.8	107.6	136.7	-	-	-	-	158.7	168.7	-
147.6	-	-	-	-	-	-	154.6	160.9	-
150.9	-	-	152.1	-	-	-	153.2	-	-
164.0	-	-	145.5	-	-	-	146.6	-	-
177.2	-	-	136.7	-	-	-	141.1	-	-
190.3	-	-	130.1	-	-	-	136.7	-	-
203.4	-	-	121.3	-	-	-	132.3	-	-
216.5	-	-	-	-	-	-	127.9	-	-
223.1	-	-	-	115.7	-	-	125.7	-	-
229.7	-	-	-	113.5	-	-	123.5	-	-
242.8	-	-	-	106.0	-	-	116.8	-	-
255.9	-	-	-	97.7	-	-	103.6	-	-
269.0	-	-	-	-	-	-	95.2	-	-
282.2	-	-	-	-	85.5	-	89.5	-	-
295.3	-	-	-	-	82.5	-	83.6	-	-
301.8	-	-	-	-	79.1	-	78.9	-	-
308.4	-	-	-	-	-	-	74.1	-	-
321.5	-	-	-	-	-	-	65.3	-	-
334.6	-	-	-	-	-	-	56.7	-	-
347.8	-	-	-	-	-	-	49.4	-	-
360.9	-	-	-	-	-	-	42.1	-	-
374.0	-	-	-	-	-	-	34.6	-	-
387.1	-	-	-	-	-	-	26.9	-	-

	0 lb	110,250 lb	220,500 lb	330,750 lb
	441,000 lb	551,250 lb	661,500 lb	

315.0 ft + 157.5 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft	1,000 lb								
88.6	132.3	135.6	-	-	-	-	-	168.7	-
91.9	133.4	138.9	-	-	-	-	-	168.7	-
98.4	133.4	136.7	-	-	-	-	135.6	166.4	-
111.5	122.4	127.9	-	-	-	-	133.4	158.7	-
124.7	109.3	121.3	-	-	-	-	130.1	151.0	-
137.8	98.1	114.6	-	-	-	-	127.9	143.3	-
150.9	88.6	108.7	-	-	-	-	123.5	135.6	-
164.0	80.2	103.2	-	-	-	-	119.0	129.0	-
167.3	78.5	101.7	111.3	-	-	-	118.2	127.0	-
177.2	73.4	97.4	115.7	-	-	-	115.7	121.3	-
187.0	-	-	111.6	-	-	-	111.6	116.8	-
190.3	-	-	110.2	-	-	-	110.2	-	-
203.4	-	-	105.8	-	-	-	108.0	-	-
216.5	-	-	101.4	-	-	-	103.6	-	-
229.7	-	-	94.8	-	-	-	101.4	-	-
239.5	-	-	91.5	-	-	-	98.1	-	-
242.8	-	-	-	89.3	-	-	97.0	-	-
255.9	-	-	-	86.9	-	-	94.8	-	-
269.0	-	-	-	81.6	-	-	90.4	-	-
282.2	-	-	-	76.3	-	-	81.6	-	-
288.7	-	-	-	73.4	-	-	78.3	-	-
295.3	-	-	-	-	-	-	75.0	-	-
308.4	-	-	-	-	-	-	67.7	-	-
315.0	-	-	-	-	-	63.7	65.4	-	-
321.5	-	-	-	-	-	62.6	63.1	-	-
334.6	-	-	-	-	-	58.2	58.6	-	-
341.2	-	-	-	-	-	56.0	56.0	-	-
347.8	-	-	-	-	-	-	53.4	-	-
360.9	-	-	-	-	-	-	45.9	-	-
374.0	-	-	-	-	-	-	39.5	-	-
387.1	-	-	-	-	-	-	33.1	-	-
400.3	-	-	-	-	-	-	26.7	-	-
413.4	-	-	-	-	-	-	20.1	-	-
426.5	-	-	-	-	-	-	13.4	-	-

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
315.0 ft + 196.9 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
101.7	101.6	103.8	-	-	-	-	-	132.3	-
111.5	101.6	104.1	-	-	-	-	104.3	130.1	-
124.7	97.2	99.4	-	-	-	-	102.3	124.6	-
137.8	89.1	94.8	-	-	-	-	100.3	119.0	-
150.9	79.8	89.9	-	-	-	-	98.3	113.5	-
164.0	72.1	85.3	-	-	-	-	95.5	108.5	-
177.2	65.3	80.9	-	-	-	-	94.8	103.2	-
187.0	60.8	78.1	86.2	-	-	-	93.1	99.5	-
190.3	59.3	77.2	90.4	-	-	-	92.6	98.3	-
203.4	54.0	73.4	90.4	-	-	-	90.4	93.5	-
216.5	49.4	69.4	88.2	-	-	-	88.2	88.6	-
223.1	-	-	86.0	-	-	-	87.1	86.2	-
229.7	-	-	83.8	-	-	-	86.0	-	-
242.8	-	-	81.6	-	-	-	81.6	-	-
255.9	-	-	77.2	-	-	-	79.4	-	-
269.0	-	-	72.8	66.1	-	-	77.2	-	-
275.6	-	-	63.3	65.4	-	-	76.1	-	-
282.2	-	-	-	64.6	-	-	75.0	-	-
295.3	-	-	-	61.1	-	-	72.8	-	-
308.4	-	-	-	57.3	-	-	66.1	-	-
321.5	-	-	-	53.6	-	-	57.3	-	-
328.1	-	-	-	51.6	-	-	54.0	-	-
334.6	-	-	-	-	-	-	50.7	-	-
341.2	-	-	-	-	45.4	-	48.3	-	-
347.8	-	-	-	-	45.4	-	45.9	-	-
360.9	-	-	-	-	42.5	-	42.3	-	-
374.0	-	-	-	-	39.5	-	38.8	-	-
387.1	-	-	-	-	-	-	34.0	-	-
400.3	-	-	-	-	-	-	28.4	-	-
413.4	-	-	-	-	-	-	22.9	-	-
426.5	-	-	-	-	-	-	17.2	-	-
439.6	-	-	-	-	-	-	11.7	-	-
446.2	-	-	-	-	-	-	8.8	-	-

315.0 ft + 236.2 ft									
SWSL_1 SFSL_1 SWSL_2 0 lb 0 lb - 661,500 lb 85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
111.5	-	79.8	-	-	-	-	-	-	-
114.8	78.0	79.8	-	-	-	-	-	101.0	-
124.7	78.0	80.2	-	-	-	-	80.0	99.4	-
137.8	75.2	77.2	-	-	-	-	78.7	96.1	-
150.9	72.3	73.9	-	-	-	-	77.2	92.6	-
164.0	64.6	70.3	-	-	-	-	75.4	89.1	-
177.2	58.2	66.8	-	-	-	-	73.4	85.3	-
190.3	52.2	63.3	-	-	-	-	72.8	81.8	-
203.4	47.4	60.0	65.0	-	-	-	72.8	78.3	-
216.5	42.8	57.3	70.5	-	-	-	70.5	75.0	-
229.7	38.8	55.1	68.3	-	-	-	68.3	71.7	-
242.8	35.1	52.9	66.1	-	-	-	66.1	68.1	-
255.9	31.7	50.7	63.9	-	-	-	66.1	64.8	-
262.5	-	-	62.8	-	-	-	65.0	63.3	-
269.0	-	-	61.7	-	-	-	63.9	-	-
282.2	-	-	59.5	-	-	-	61.7	-	-
295.3	-	-	57.3	49.2	-	-	59.5	-	-
308.4	-	-	55.1	48.3	-	-	57.3	-	-
315.0	-	-	45.4	47.1	-	-	56.2	-	-
321.5	-	-	-	45.9	-	-	55.1	-	-
334.6	-	-	-	43.2	-	-	50.7	-	-
347.8	-	-	-	40.6	-	-	41.9	-	-
360.9	-	-	-	37.9	-	-	37.5	-	-
367.5	-	-	-	36.6	-	-	35.3	-	-
374.0	-	-	-	-	32.0	-	33.1	-	-
387.1	-	-	-	-	30.6	-	30.2	-	-
400.3	-	-	-	-	28.4	-	27.3	-	-
413.4	-	-	-	-	26.2	-	24.5	-	-
426.5	-	-	-	-	-	-	19.8	-	-
439.6	-	-	-	-	-	-	14.8	-	-
452.8	-	-	-	-	-	-	9.9	-	-

0 lb
 110,250 lb
220,500 lb
330,750 lb
441,000 lb
551,250 lb
661,500 lb

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

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° 75%									
315.0 ft + 275.6 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
121.4	59.3	60.8	-	-	-	-	-	-	-
124.7	60.2	62.4	-	-	-	-	-	73.4	-
137.8	60.2	61.1	-	-	-	61.1	73.4	-	-
150.9	57.5	58.9	-	-	-	60.0	73.4	-	-
164.0	55.1	56.4	-	-	-	58.4	71.0	-	-
177.2	51.8	53.8	-	-	-	57.3	68.6	-	-
190.3	46.3	51.1	-	-	-	57.3	65.9	-	-
203.4	41.4	48.7	-	-	-	57.3	63.5	-	-
216.5	37.0	46.3	-	-	-	55.1	60.8	-	-
219.8	36.0	46.3	47.8	-	-	55.1	60.2	-	-
229.7	33.1	46.3	52.9	-	-	55.1	58.4	-	-
242.8	29.5	44.1	52.9	-	-	52.9	56.0	-	-
255.9	26.2	41.9	50.7	-	-	50.7	53.8	-	-
269.0	23.4	39.7	50.7	-	-	50.7	51.6	-	-
282.2	20.7	37.5	48.5	-	-	48.5	49.2	-	-
295.3	18.3	37.5	46.3	-	-	46.3	47.0	-	-
301.8	-	-	45.2	-	-	46.3	45.9	-	-
308.4	-	-	44.1	-	-	46.3	-	-	-
315.0	-	-	44.1	34.6	-	45.2	-	-	-
321.5	-	-	44.1	34.4	-	44.1	-	-	-
334.6	-	-	40.8	33.7	-	41.9	-	-	-
347.8	-	-	32.2	32.4	-	39.7	-	-	-
354.3	-	-	31.1	31.5	-	38.6	-	-	-
360.9	-	-	-	30.6	-	37.5	-	-	-
374.0	-	-	-	29.1	-	30.9	-	-	-
387.1	-	-	-	27.3	-	24.5	-	-	-
400.3	-	-	-	25.8	21.4	20.7	-	-	-
406.8	-	-	-	24.9	21.1	18.2	-	-	-
413.4	-	-	-	-	20.7	15.7	-	-	-
426.5	-	-	-	-	19.4	10.8	-	-	-
429.8	-	-	-	-	19.0	9.7	-	-	-
439.6	-	-	-	-	17.6	-	-	-	-
452.8	-	-	-	-	16.1	-	-	-	-

315.0 ft + 315.0 ft									
SWSL_1 [SFSL_1] [SWSL_2]									
0 lb 0 lb - 661,500 lb									
85° 85° 75° 65° 55° 15° 85°									
ft 1,000 lb									
137.8	42.8	45.0	-	-	-	-	-	-	-
150.9	42.8	44.1	-	-	-	43.7	-	-	-
164.0	40.8	42.1	-	-	-	42.8	-	-	-
177.2	39.7	40.3	-	-	-	41.9	-	-	-
190.3	37.5	39.7	-	-	-	41.9	-	-	-
203.4	35.5	37.5	-	-	-	41.9	-	-	-
216.5	31.3	35.3	-	-	-	41.9	-	-	-
229.7	27.3	35.3	-	-	-	39.7	-	-	-
236.2	25.7	34.2	32.4	-	-	39.7	-	-	-
242.8	24.0	33.1	37.5	-	-	39.7	-	-	-
255.9	20.7	33.1	37.5	-	-	39.7	-	-	-
269.0	17.9	30.9	37.5	-	-	37.5	-	-	-
282.2	15.2	28.7	37.5	-	-	35.3	-	-	-
295.3	13.0	28.7	35.3	-	-	35.3	-	-	-
308.4	10.8	26.5	35.3	-	-	33.1	-	-	-
318.2	9.3	24.9	33.6	-	-	33.1	-	-	-
321.5	-	24.3	33.1	-	-	33.1	-	-	-
334.6	-	24.3	32.0	-	-	30.9	-	-	-
341.2	-	-	31.4	21.2	-	30.9	-	-	-
347.8	-	-	30.9	20.9	-	30.9	-	-	-
360.9	-	-	29.8	20.7	-	28.7	-	-	-
374.0	-	-	27.6	19.6	-	28.7	-	-	-
387.1	-	-	19.2	18.5	-	26.5	-	-	-
393.7	-	-	18.5	18.0	-	25.4	-	-	-
400.3	-	-	-	17.4	-	24.3	-	-	-
413.4	-	-	-	16.1	-	-	-	-	-
426.5	-	-	-	15.0	9.7	-	-	-	-
439.6	-	-	-	13.7	9.7	-	-	-	-
446.2	-	-	-	13.0	9.4	-	-	-	-
452.8	-	-	-	-	9.0	-	-	-	-

0 lb 110,250 lb 220,500 lb 330,750 lb 441,000 lb 551,250 lb 661,500 lb

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

396,900 lb + 132,300 lb 36.1-49.2 ft								27.6 ft 32.2 ft /s 360° 75%							
334.6 ft + 118.1 ft								334.6 ft + 196.9 ft							
SWSL_1 SFSL_1 SWSL_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
78.7	176.4	186.3	-	-	-	-	-	105.0	106.5	110.2	-	-	-	-	-
85.3	164.2	183.0	-	-	-	-	-	111.5	106.5	109.8	-	-	-	-	-
91.9	153.2	177.5	-	-	-	-	-	124.7	94.4	104.5	-	-	-	-	-
98.4	143.3	172.0	-	-	-	-	-	137.8	84.2	99.4	-	-	-	-	-
111.5	126.8	160.9	-	-	-	-	-	150.9	75.4	94.4	-	-	-	-	-
124.7	113.5	151.0	-	-	-	-	-	164.0	67.9	89.3	-	-	-	-	-
137.8	102.5	141.1	-	-	-	-	-	177.2	61.5	84.2	-	-	-	-	-
150.9	93.3	131.2	-	-	-	-	-	190.3	55.8	80.0	-	-	-	-	-
154.2	-	-	148.8	-	-	-	-	193.6	54.5	78.9	86.9	-	-	-	-
164.0	-	-	145.5	-	-	-	-	203.4	50.7	75.6	85.8	-	-	-	-
177.2	-	-	135.6	-	-	-	-	216.5	46.3	71.2	81.8	-	-	-	-
190.3	-	-	125.7	-	-	-	-	226.4	43.4	67.9	78.5	-	-	-	-
203.4	-	-	115.7	-	-	-	-	229.7	-	-	77.4	-	-	-	-
206.7	-	-	112.4	-	-	-	-	242.8	-	-	73.0	-	-	-	-
226.4	-	-	-	107.6	-	-	-	255.9	-	-	68.6	-	-	-	-
229.7	-	-	-	107.6	-	-	-	269.0	-	-	64.2	-	-	-	-
242.8	-	-	-	101.6	-	-	-	275.6	-	-	61.9	60.6	-	-	-
255.9	-	-	-	93.3	-	-	-	282.2	-	-	59.7	60.6	-	-	-
262.5	-	-	-	89.3	-	-	-	295.3	-	-	-	58.0	-	-	-
292.0	-	-	-	-	74.1	-	-	308.4	-	-	-	54.2	-	-	-
295.3	-	-	-	-	74.1	-	-	321.5	-	-	-	50.3	-	-	-
308.4	-	-	-	-	69.4	-	-	334.6	-	-	-	46.5	-	-	-
315.0	-	-	-	-	66.4	-	-	337.9	-	-	-	45.6	-	-	-
								351.1	-	-	-	-	37.5	-	-
								360.9	-	-	-	-	37.5	-	-
								374.0	-	-	-	-	34.6	-	-
								387.1	-	-	-	-	31.5	-	-
								390.4	-	-	-	-	30.9	-	-

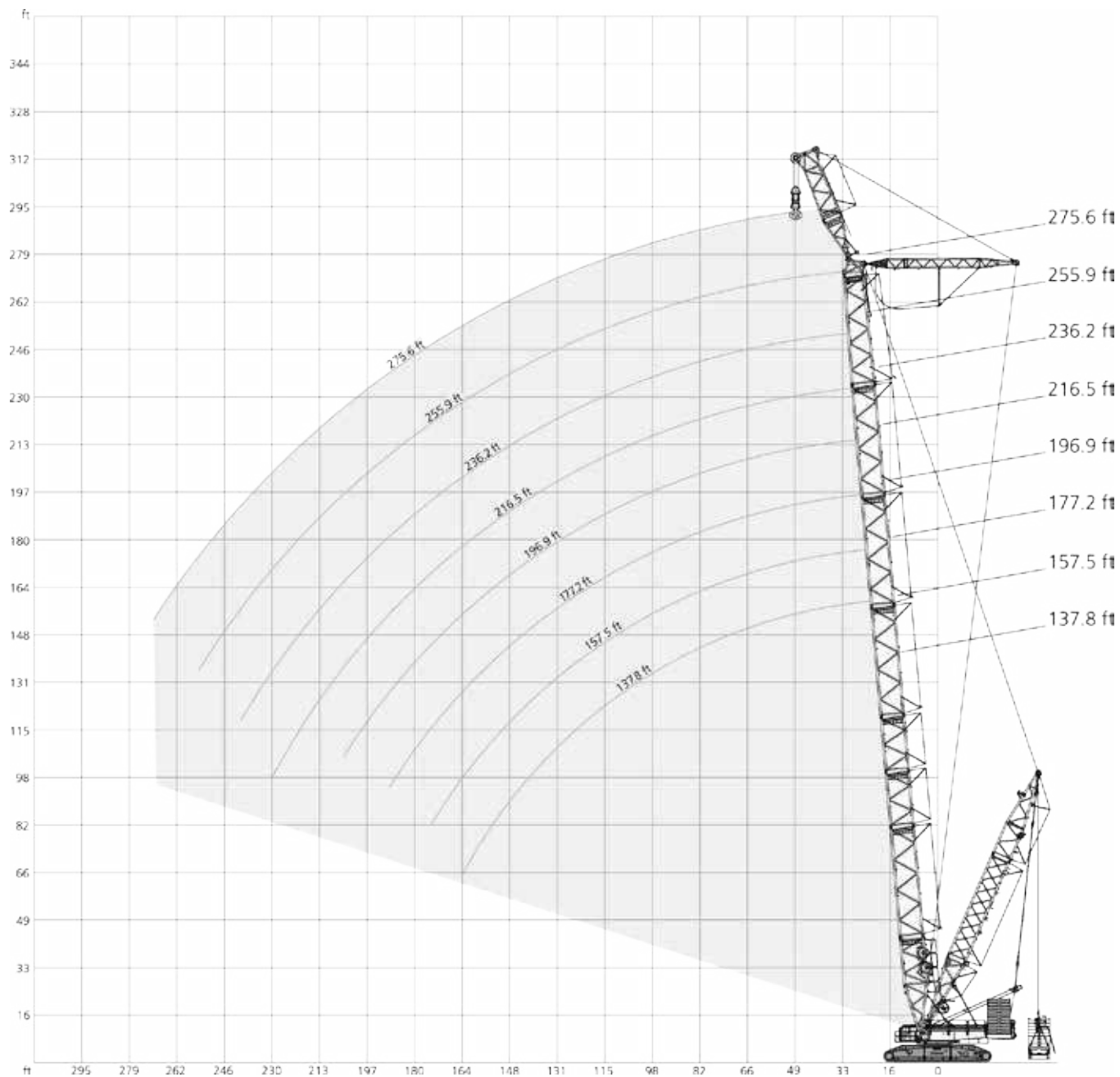
334.6 ft + 157.5 ft							
ft	1,000 lb						
91.9	137.8	143.3	-	-	-	-	-
98.4	132.3	141.1	-	-	-	-	-
111.5	115.7	134.5	-	-	-	-	-
124.7	103.8	126.8	-	-	-	-	-
137.8	93.0	119.0	-	-	-	-	-
150.9	84.0	112.4	-	-	-	-	-
164.0	76.3	106.5	-	-	-	-	-
173.9	71.3	101.9	113.5	-	-	-	-
177.2	69.7	100.3	113.5	-	-	-	-
187.0	65.3	95.7	110.2	-	-	-	-
190.3	-	-	109.1	-	-	-	-
203.4	-	-	102.5	-	-	-	-
216.5	-	-	96.1	-	-	-	-
229.7	-	-	89.7	-	-	-	-
242.8	-	-	83.3	-	-	-	-
246.1	-	-	81.6	-	-	-	-
252.6	-	-	-	80.9	-	-	-
255.9	-	-	-	80.9	-	-	-
269.0	-	-	-	77.2	-	-	-
282.2	-	-	-	71.9	-	-	-
295.3	-	-	-	66.6	-	-	-
301.8	-	-	-	63.7	-	-	-
321.5	-	-	-	-	54.0	-	-
334.6	-	-	-	-	52.0	-	-
347.8	-	-	-	-	47.8	-	-
351.1	-	-	-	-	47.0	-	-

0 lb	110,250 lb	220,500 lb	330,750 lb
441,000 lb	551,250 lb	661,500 lb	

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

396,900 lb + 132,300 lb 36.1-49.2 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_2								SWSL_1 SFSL_1 SWSL_2							
0 lb 0 lb - 661,500 lb								0 lb 0 lb - 661,500 lb							
ft	85°	85°	75°	65°	55°	15°	85°	ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb								1,000 lb							
91.9	121.3	126.8	-	-	-	-	-	105.0	92.6	96.8	-	-	-	-	-
98.4	121.3	126.8	-	-	-	-	-	111.5	92.6	96.8	-	-	-	-	-
111.5	110.2	119.0	-	-	-	-	-	124.7	89.3	92.4	-	-	-	-	-
124.7	98.8	112.4	-	-	-	-	-	137.8	79.6	87.7	-	-	-	-	-
137.8	88.4	106.5	-	-	-	-	-	150.9	71.2	82.9	-	-	-	-	-
150.9	79.8	99.9	-	-	-	-	-	164.0	64.2	78.3	-	-	-	-	-
164.0	72.3	94.1	-	-	-	-	-	177.2	57.8	73.4	-	-	-	-	-
177.2	65.9	88.6	-	-	-	-	-	190.3	52.5	69.7	-	-	-	-	-
180.4	64.5	87.2	95.9	-	-	-	-	196.9	50.0	67.8	73.4	-	-	-	-
190.3	60.4	82.9	94.8	-	-	-	-	203.4	47.6	65.9	73.4	-	-	-	-
203.4	-	-	88.8	-	-	-	-	216.5	43.2	62.2	69.9	-	-	-	-
216.5	-	-	83.1	-	-	-	-	226.4	40.3	59.3	66.9	-	-	-	-
229.7	-	-	77.4	-	-	-	-	229.7	-	-	65.9	-	-	-	-
242.8	-	-	71.7	-	-	-	-	242.8	-	-	61.7	-	-	-	-
249.3	-	-	69.0	-	-	-	-	255.9	-	-	57.8	-	-	-	-
259.2	-	-	-	64.8	-	-	-	269.0	-	-	53.8	-	-	-	-
269.0	-	-	-	63.7	-	-	-	282.2	-	-	49.8	-	-	-	-
282.2	-	-	-	59.1	-	-	-	285.4	-	-	48.8	46.5	-	-	-
295.3	-	-	-	54.5	-	-	-	288.7	-	-	47.8	46.2	-	-	-
308.4	-	-	-	49.8	-	-	-	295.3	-	-	-	45.6	-	-	-
334.6	-	-	-	-	37.3	-	-	308.4	-	-	-	42.3	-	-	-
347.8	-	-	-	-	35.7	-	-	321.5	-	-	-	39.0	-	-	-
360.9	-	-	-	-	32.2	-	-	334.6	-	-	-	35.7	-	-	-
364.2	-	-	-	-	31.3	-	-	347.8	-	-	-	32.4	-	-	-
								360.9	-	-	-	-	23.4	-	-
								374.0	-	-	-	-	22.7	-	-
								387.1	-	-	-	-	20.3	-	-
								400.3	-	-	-	-	18.1	-	-

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



396,900 lb + 132,300 lb 49.2 ft 39.4 ft 17° 27.6 ft 32.2 ft / s 360° 75%																
137.8 ft 157.5 ft 177.2 ft 196.9 ft 216.5 ft 236.2 ft 255.9 ft 275.6 ft																
LVSL_1																
0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb 0 lb 0-661.5 klb																
ft	1,000 lb															
39.4	582.0	661.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.7	531.3	661.4	509.3	661.4	-	661.4	-	-	-	-	-	-	-	-	-	-
45.9	487.2	661.4	469.6	661.4	451.9	661.4	434.3	661.4	418.9	610.7	-	-	-	-	-	-
52.5	416.7	661.4	401.2	661.4	388.0	661.4	374.8	661.4	361.6	610.7	348.3	540.1	335.1	451.9	324.1	399.0
59.1	357.1	661.4	350.5	661.4	337.3	661.4	326.3	661.4	315.3	610.7	304.2	540.1	293.2	451.9	282.2	399.0
65.6	304.2	661.4	302.0	661.4	297.6	661.4	286.6	661.4	277.8	610.7	269.0	540.1	260.1	451.9	249.1	399.0
72.2	262.4	641.5	260.1	652.6	257.9	661.4	255.7	661.4	246.9	606.3	238.1	540.1	231.5	451.9	222.7	399.0
78.7	229.3	593.0	227.1	617.3	224.9	612.9	222.7	621.7	222.7	577.6	213.8	529.1	207.2	449.7	198.4	399.0
85.3	203.9	549.0	201.7	573.2	199.5	575.4	196.2	571.0	195.1	549.0	192.9	511.5	186.3	445.3	178.6	394.6
91.9	181.9	507.1	179.7	529.1	177.5	535.7	174.2	531.3	173.1	520.3	170.9	493.8	167.6	438.7	160.9	390.2
98.4	163.1	467.4	160.9	487.2	158.7	496.0	155.4	491.6	154.3	485.0	152.1	474.0	151.0	434.3	145.5	385.8
111.5	135.2	399.8	133.0	418.1	130.8	428.4	127.5	429.9	125.7	426.2	123.9	412.3	122.8	396.1	118.8	365.2
124.7	112.1	340.2	109.7	356.4	107.3	368.9	103.7	372.6	101.7	372.6	99.7	360.1	98.5	352.7	95.0	336.6
137.8	93.9	288.8	91.1	302.0	88.2	317.5	84.0	319.7	82.5	324.1	79.6	317.5	78.0	304.2	74.3	299.8
150.9	80.1	253.5	76.8	265.3	73.5	276.3	69.3	281.5	67.6	284.4	64.6	283.7	63.1	273.4	59.2	266.0
164.0	67.5	212.7	64.2	231.5	60.7	241.0	56.4	247.7	54.6	249.9	51.5	251.3	49.9	246.2	45.9	238.5
177.2	-	-	53.4	200.6	49.8	211.6	45.4	218.3	43.4	220.5	40.3	220.5	38.6	222.7	34.6	217.2
190.3	-	-	-	-	41.0	187.4	36.9	194.0	34.8	198.4	31.5	197.7	29.8	202.8	25.6	199.5
203.4	-	-	-	-	-	-	29.1	172.0	27.0	177.1	23.7	177.1	21.8	183.4	17.6	181.9
216.5	-	-	-	-	-	-	-	-	20.3	156.5	16.8	158.7	14.8	164.2	10.6	164.2
219.8	-	-	-	-	-	-	-	-	18.9	151.3	15.3	154.3	13.2	160.2	9.0	159.8
226.4	-	-	-	-	-	-	-	-	16.1	140.8	12.5	145.5	10.1	152.1	-	151.5
229.7	-	-	-	-	-	-	-	-	14.8	135.6	11.1	141.1	-	147.7	-	147.3
232.9	-	-	-	-	-	-	-	-	-	-	9.7	136.7	-	143.3	-	143.1
242.8	-	-	-	-	-	-	-	-	-	-	-	123.5	-	130.1	-	130.8
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	112.4	-	114.6
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.9

	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	661,500 lb
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Crawler carrier

	3-section carrier comprising of carbody and two crawlers. Hydraulic pin connections between crawlers and carbody provide for easy assembly and removal to minimise width and weight for transportation.
Carbody	Bending- and torsion-resistant welded structure of box type construction, fabricated of high-strength fine-grain structural steel.
Crawlers	Side frames: bending-resistant welded structure of high-strength fine-grain structural steel. Track shoes, idler and drive sprockets are fabricated of heat-treated high-strength cast steel. 16 rollers on each side frame with hardened rolling surfaces. Automatic centralized lubrication is included as standard.
Crawler drive	The tracks are powered by one hydraulic motor each through closed planetary gear reduction units running in oil bath, equipped with spring-applied hydraulically released holding brakes; the gear units are of very compact design to fit within the width of the crawlers. Each crawler is infinitely variable controlled, both independently and in opposite direction. Tractive effort: 315 kip per side.
Assembly jacks	Four hydraulic jacking cylinders on carbody (folding within 9.8 ft width) for easy assembly of crawlers.

Superstructure

Counterweight	396,900 lb counterweight on superstructure in combination with 132,300 lb central ballast. Steelbox type. Weight of counterweight blocks: 22,050 lb.
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 Mercedes-Benz diesel engine type OM 471 LA. Output: 390 kW (523 HP) at 1700 1/min, torque 2460 Nm at 1300 1/min each. The engine complies with emission standard EU Stage IV / EPA Tier 4f regulations. The system is equipped with Ad-Blue and a SCR catalytic converter. Optional for non-regulated markets: 8 cylinder Mercedes-Benz diesel engine type OM 502 LA. Output: 405 kW (543 HP) at 1800 1/min, torque 2600 Nm at 1300 1/min each. The engine complies with emission standard EU Stage III A / EPA Tier 3 regulations. Fuel tank capacity: 317 gallons.
Rope drums	The standard superstructure equipment includes three rope drums – hoist 1 (3281 ft), hoist 2 (3281 ft) 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, drum rotation indicators and cameras. All winches are removable to minimize 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 minimize transport weight. Dismantling of hoist 1 and 2 possible without removing A-frame first.
Slew unit	Powered by hydraulic motor through closed, planetary gear unit running in oil bath. Spring-applied, hydraulically released holding brake and non-wearing hydraulic braking. Slew speed infinitely variable 0-1 rpm.
Control system	IC-1: Electronic proportional valve pilot control integrated in stored-program control system incl. diagnostic system. Two monitors with color 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: • Infinitely variable position of Superlift counterweight with the optional adjustable Superlift system 36.1 ft - 49.2 ft • Infinitely variable position of main boom angle in SWSL configuration 55-87° (65-87° in SW configuration) • Working area limitation • Diagnosis and troubleshooting • User defined joystick mode The crane is controlled by joystick levers ergonomically positioned in the crane cab. Wireless rigging remote control. Wireless emergency remote control.
Cab	Comfortable cab with large windscreen and air condition. 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 (4 x batteries 12 V, 95 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 13-17.

Optional equipment

Hydraulic quick connection

Crawler pads 6.6 ft.

Quadro-drive Add. two hydraulic motors on the crawlers to double the driving power. The driving speed will be reduced accordingly.

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 crawlers.

Hydraulic cylinder with or without hydraulic unit For boom pinning.

Additional lateral outrigger system For erection of long boom systems.

Power-kit for main boom Consisting of 2-4 additional heavy main boom sections; standard main boom 275.6 ft required.

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

Standard SL 98.4 ft Superlift mast incl. hoist W2 and SL tray for 661,500 lb. Mast radii 36.1 ft, 42.7 ft and 49.2 ft by adjusting the Superlift mast.

Variable SL Variable 98.4 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 - 661,500 lb on counterweight tray, indefinitely variable from 36.1 ft - 49.2 ft.

SL counterweight carrier Superlift mast (see Standard SL). Telescopic frame and counterweight carrier for total weight of 661,500 lb, with 4 wheels / 2 axles (driven and steered – full manoeuvrability for slewing, trailing, and parallel modes). Superlift counterweight 88,200 lb - 661,500 lb on counterweight carrier with fixed mast radius approx. 49.2 ft; infinitely adjustable from 42.7 ft - 55.8 ft 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 66,150 lb or 132,300 lb. Mounted on boom head and boom / jib top. Operation by hoist rope 3.

Runner for LF standard Max. lifting capacity 33,080 lb. Operated by rope 3.

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