















CC 2800-2

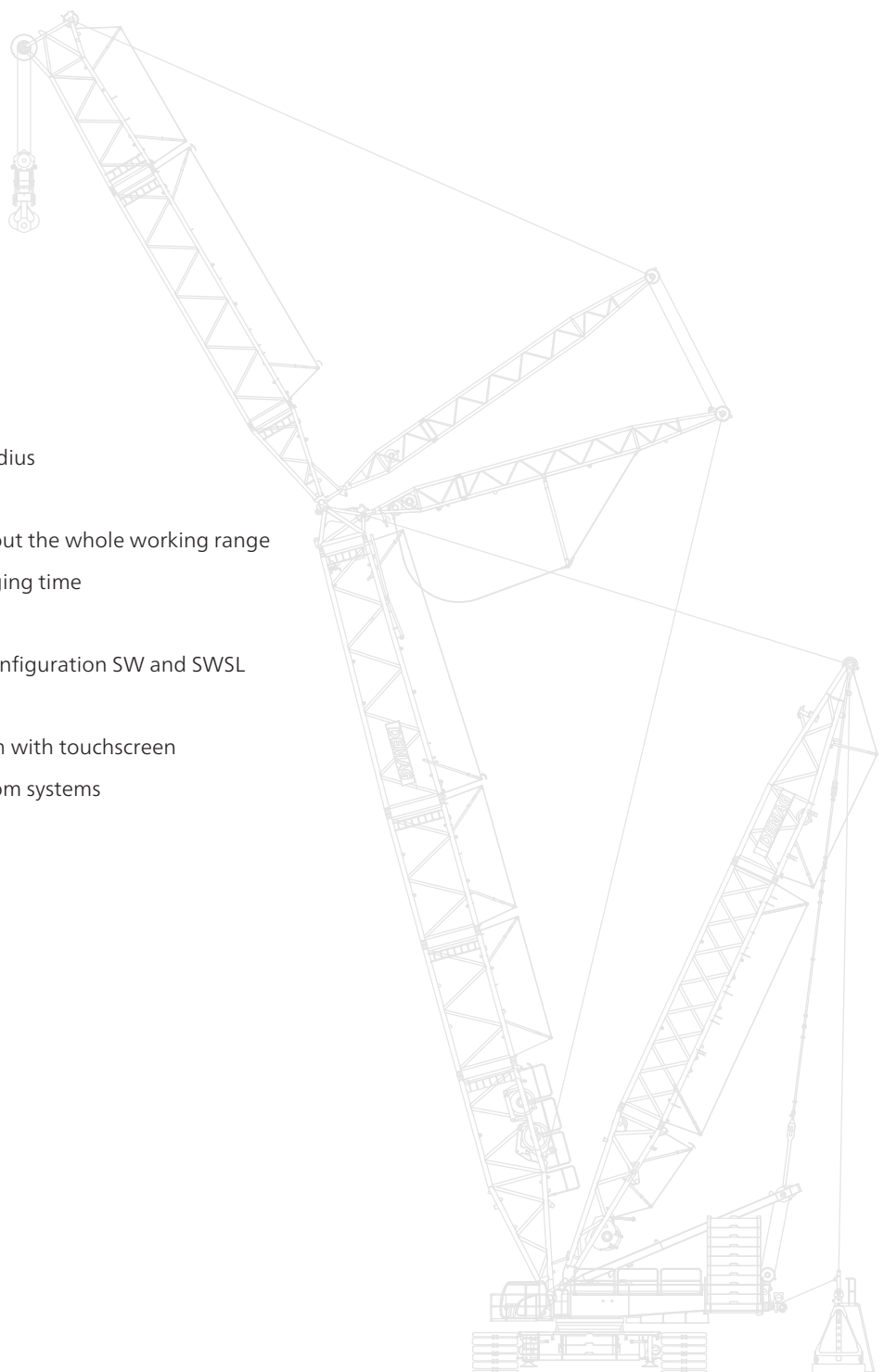
**Crawler Crane
660 USt Capacity class**

DEMAG
TADANO GROUP

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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 \varnothing	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

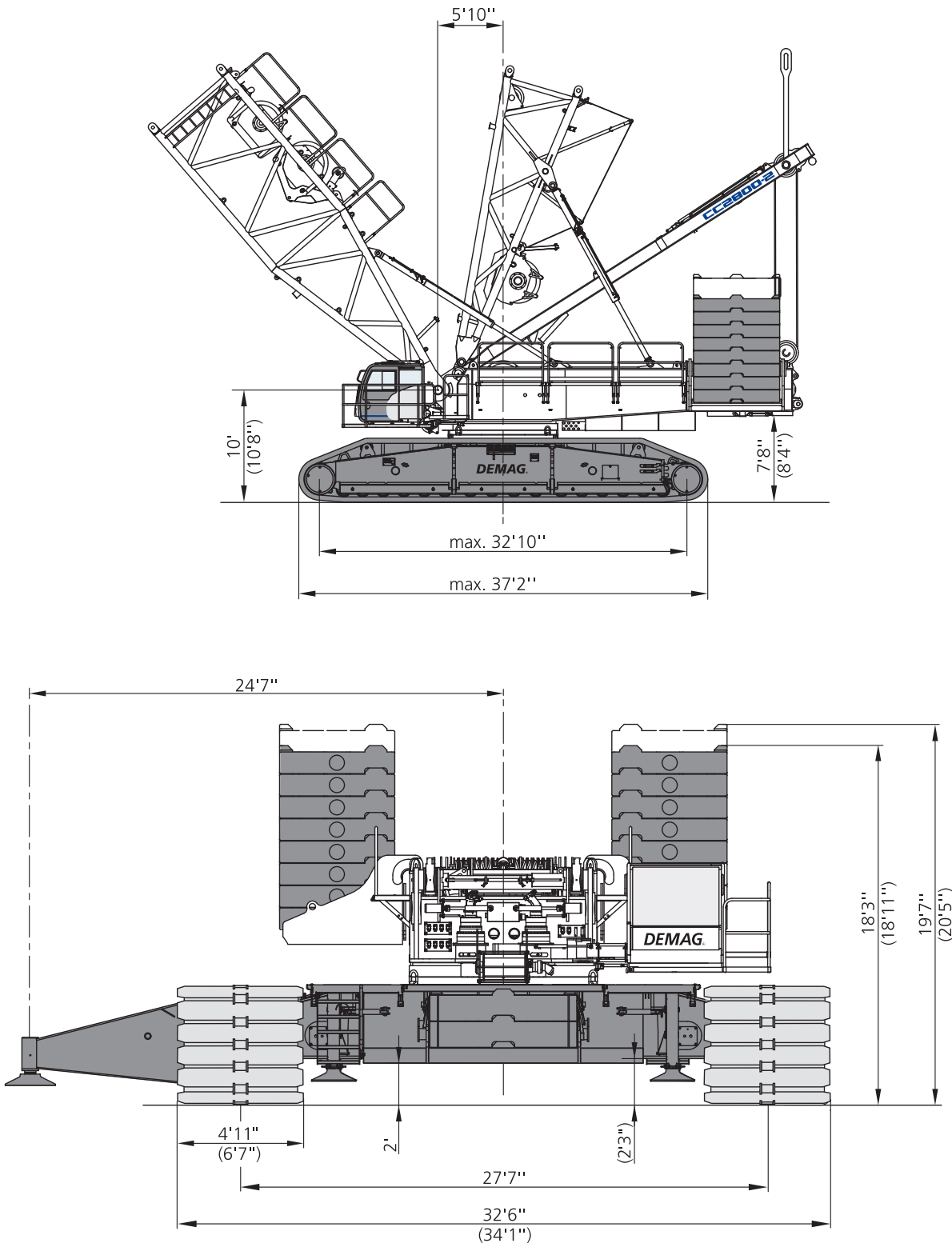
1 st gear	0 - 0.37 mph
2 nd gear	0 - 0.75 mph

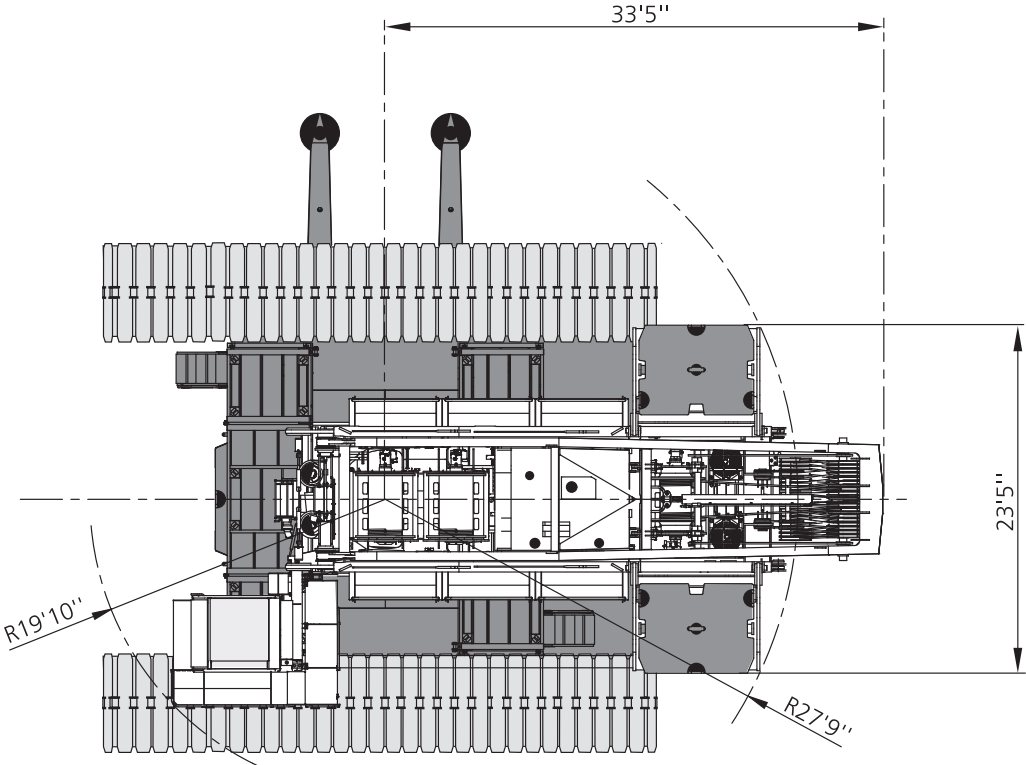
Hook block system

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

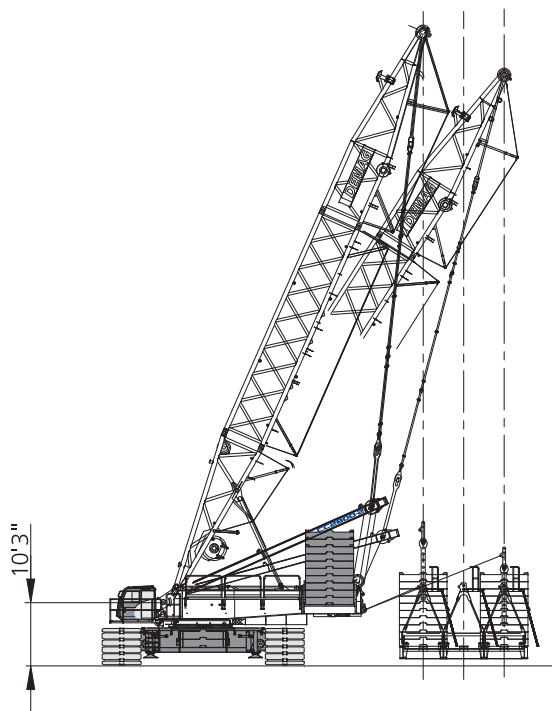
Basic crane dimensions with standard Superlift attachment





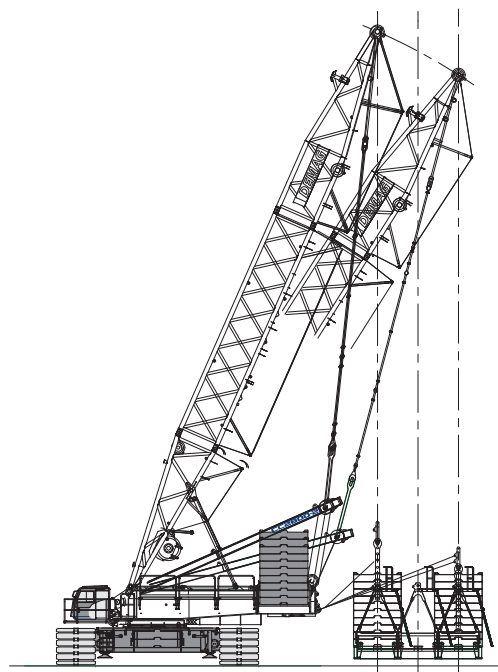
Standard-SL
36.1 ft / 42.7 ft / 49.2 ft

R 37.7 ft 50.9 ft
44.3 ft



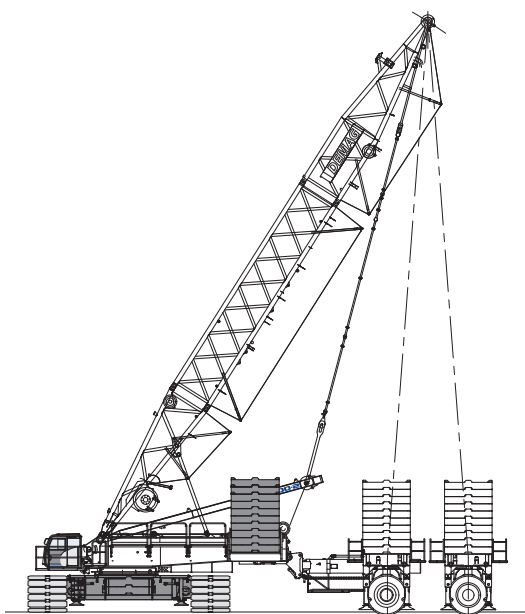
Vario-SL
36.1 ft – 49.2 ft

R 37.7-50.9 ft



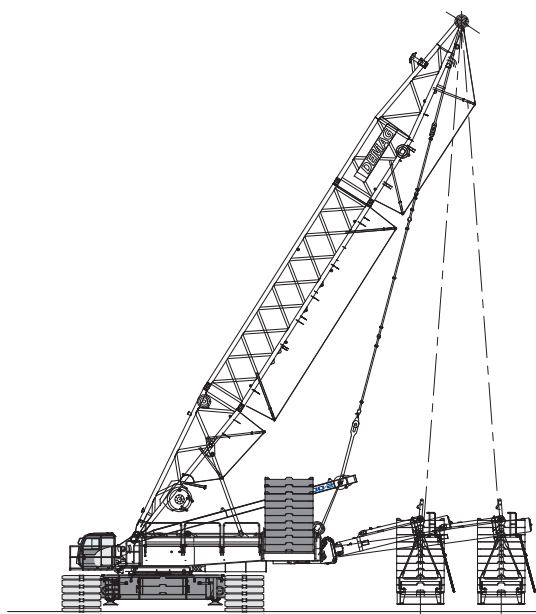
SL Carrier
42.7 ft – 55.8 ft

R 49.2 ft



SL Tray
42.7 ft – 55.8 ft

R 49.2 ft

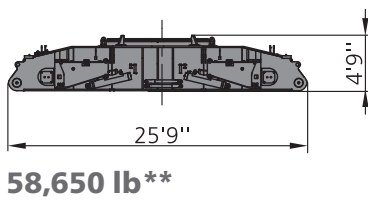
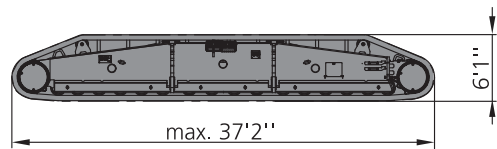
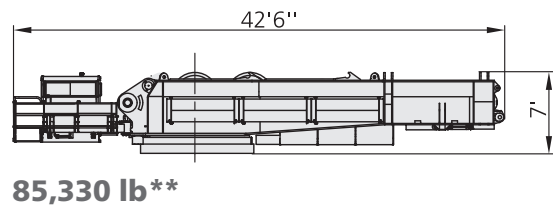
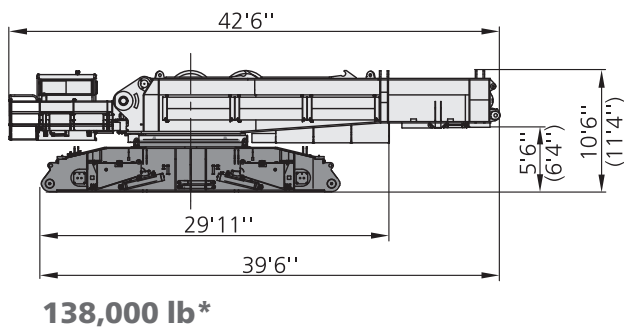
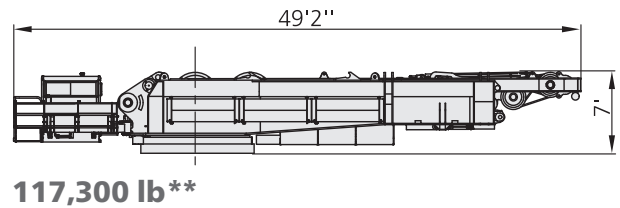
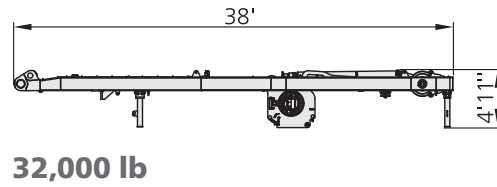
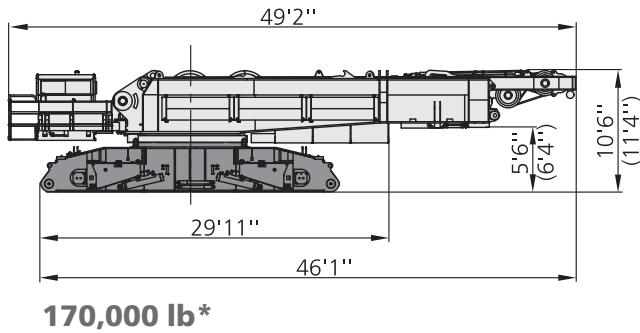


Weights

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

Specifications

CC 2800-2

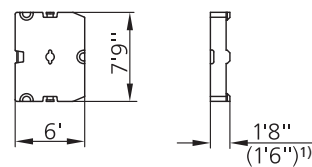


	Duo	Quadro
4.9 ft	83,350 lb	91,500 lb
6.6 ft	87,300 lb	95,500 lb

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

* without quick-connection

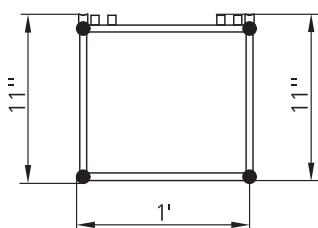
** with quick-connection



1) Optional cast iron

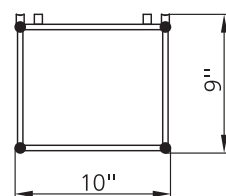
Main Boom (HA)

Type 2724



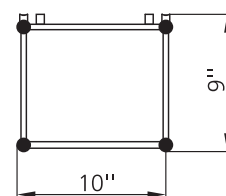
Jib (HI)

Type 2421



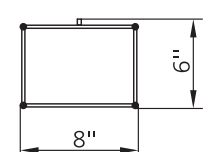
Superlift-Mast (MA)

Type M2420



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]	-				
	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	X
LSL_3		-	-	-	-	-	-	-	X	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	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	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	X
LSL+LF_2 10°/20°/30°	78.7 ft / 118.1 ft	-	-	-	-	-	-	-	-	-	X	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	X
LSL+LF_4 10°/15°	49.2 ft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
LVSL_1	39.4 ft	-	-	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-

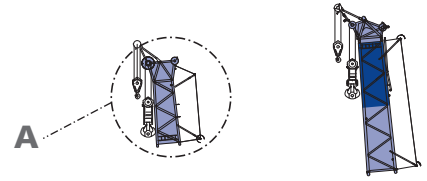
X without assisting equipment
 (X) idler wheel supported
 [X] with additional side jack

Boom Combinations

CC 2800-2

- Type 2724
- Type 2421

Runner
66,150 lb / 132,300 lb

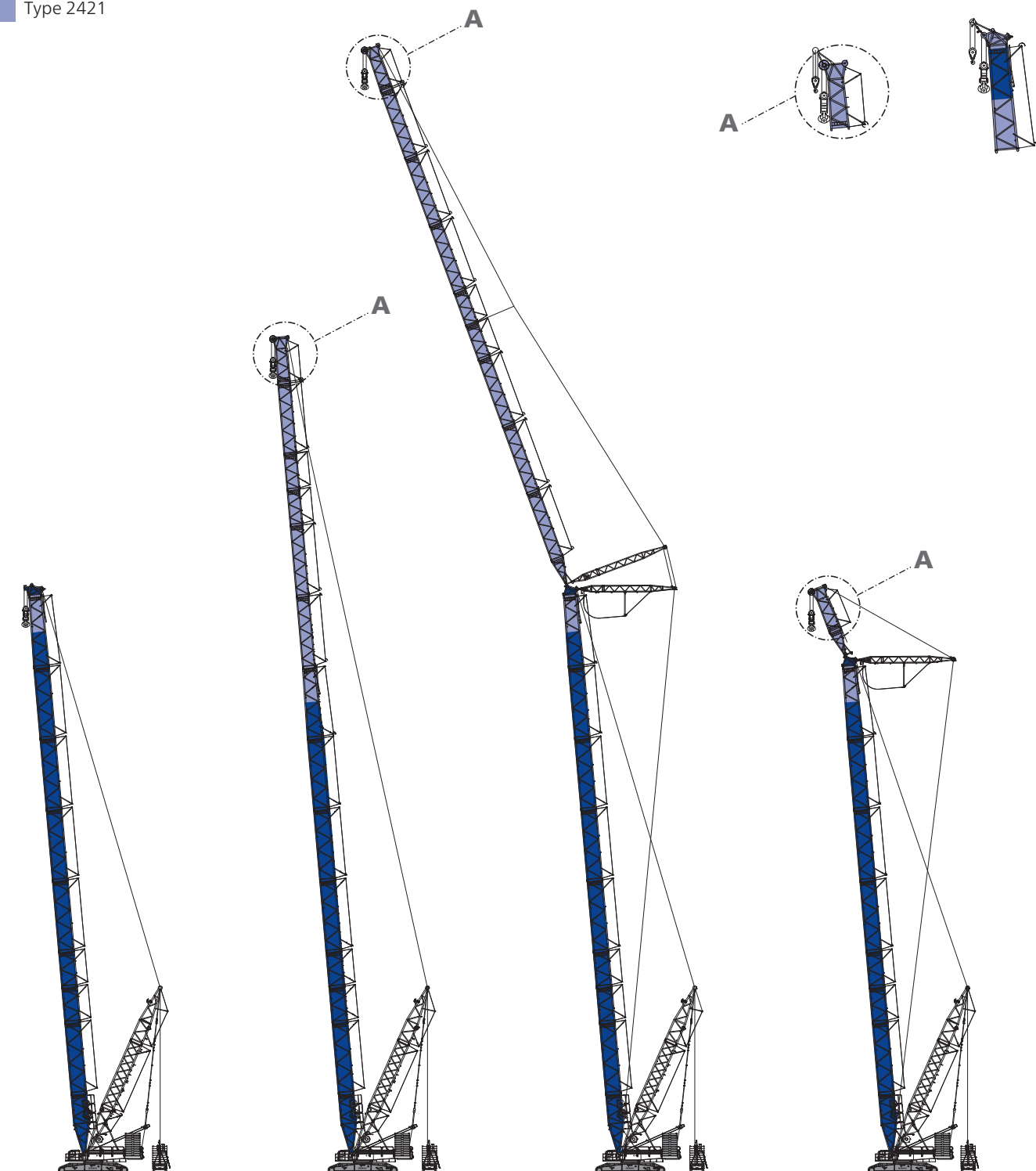


Boom Combinations

CC 2800-2

- Type 2724
- Type 2421

Runner
66,150 lb / 132,300 lb



SSL_1
HA 98.4ft .. 315.0ft

LSL_2
HA 118.1ft .. 452.8ft

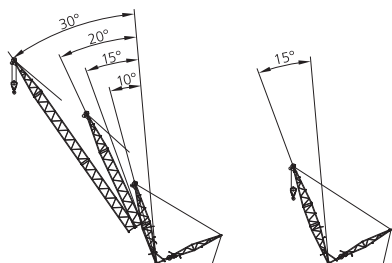
SWSL_1 & SFSL_1
HA 118.1ft .. 315.0ft
HA 78.7ft .. 315.0ft

LVSL_1
HA 137.8ft .. 275.6ft
HI 39.4ft, 17.5°

Boom Combinations

CC 2800-2

Option LF2



■ Type 2724
■ Type 2421

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

Option Runner for LF 33,080 lb



SH+LF_1
HA 98.4ft .. 275.6ft
HI 39.4ft .. 118.1ft

LH+LF_2
HA 216.5ft .. 334.6ft
HI 39.4ft .. 118.1ft

SSL+LF_1
HA 118.1 ft .. 275.6ft
HI 39.4ft .. 118.1ft

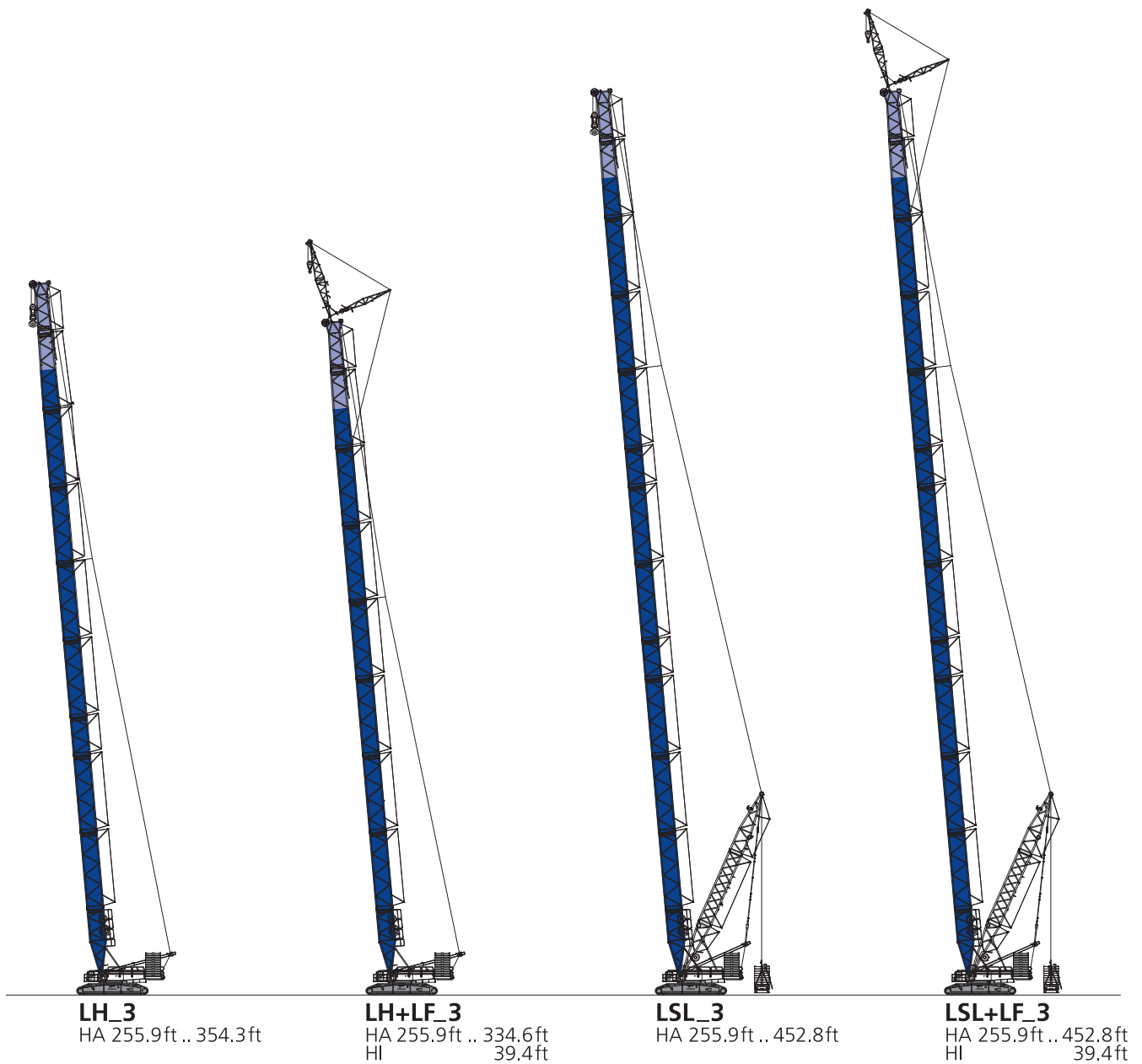
LSL+LF_2
HA 295.3ft .. 452.8ft
HI 39.4ft .. 118.1ft

Boom Combinations

CC 2800-2


■ Type 2724

■ Type 2421



Boom Combinations

CC 2800-2

 Type 2724

 Type 2421



LSL_4
HA 452.8ft

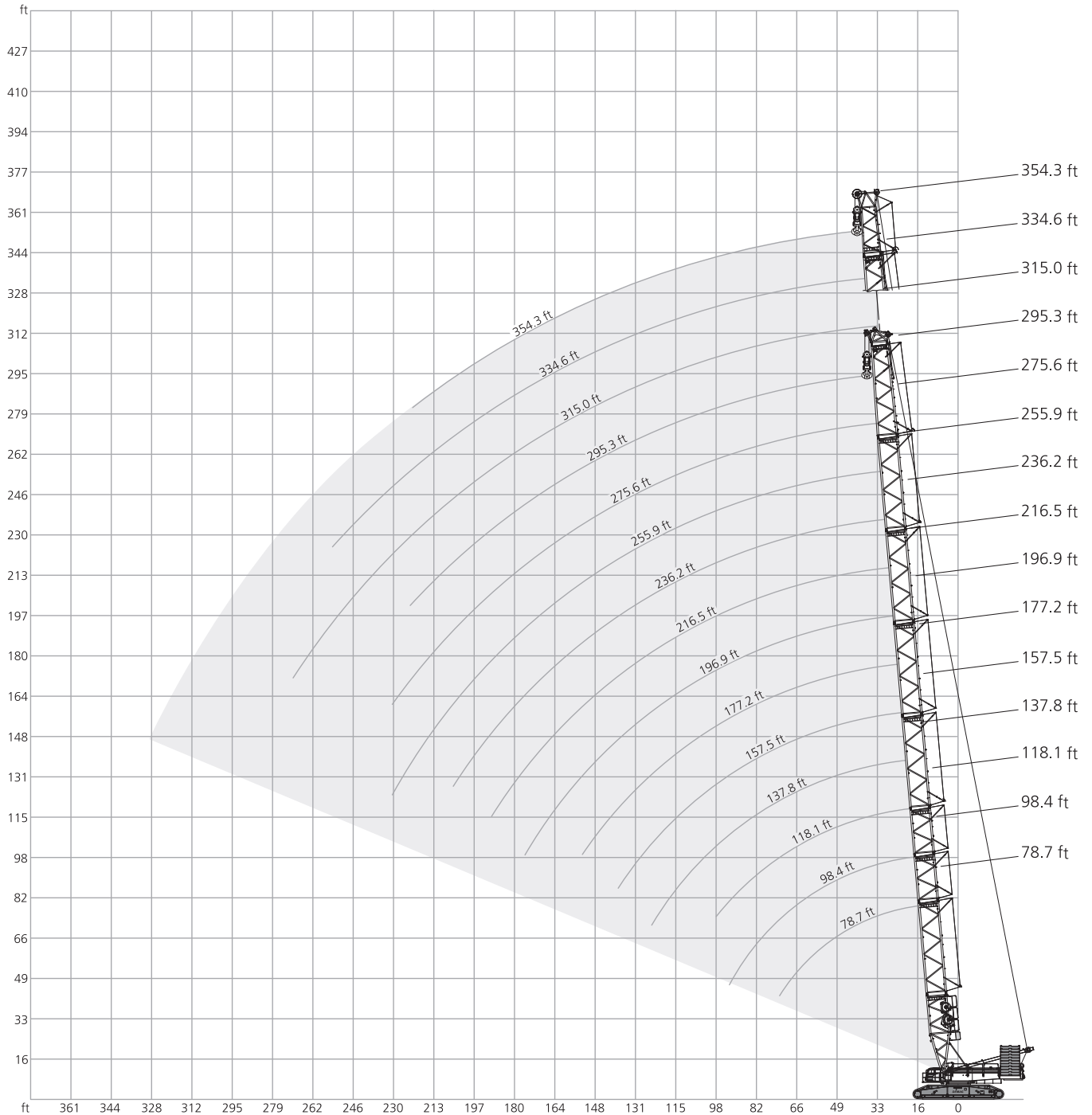
LSL+LF_4
HA 452.8ft
HI 49.2ft

SWSL_2
HA 177.2ft .. 354.3ft
HI 78.7ft .. 315.0ft

max.
275.6+315.0 max.
295.3+275.6 334.6+196.9
315.0+275.6 354.3+196.9

SSL_2
HA 177.2ft .. 354.3ft

SSL+LF_2
HA 177.2ft .. 354.3ft
HI 39.4ft



		132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5					
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°		ASME B30.5							
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	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	368.2	352.7	337.3	324.1	310.9	297.6	286.6	275.6	262.4	252.4	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	

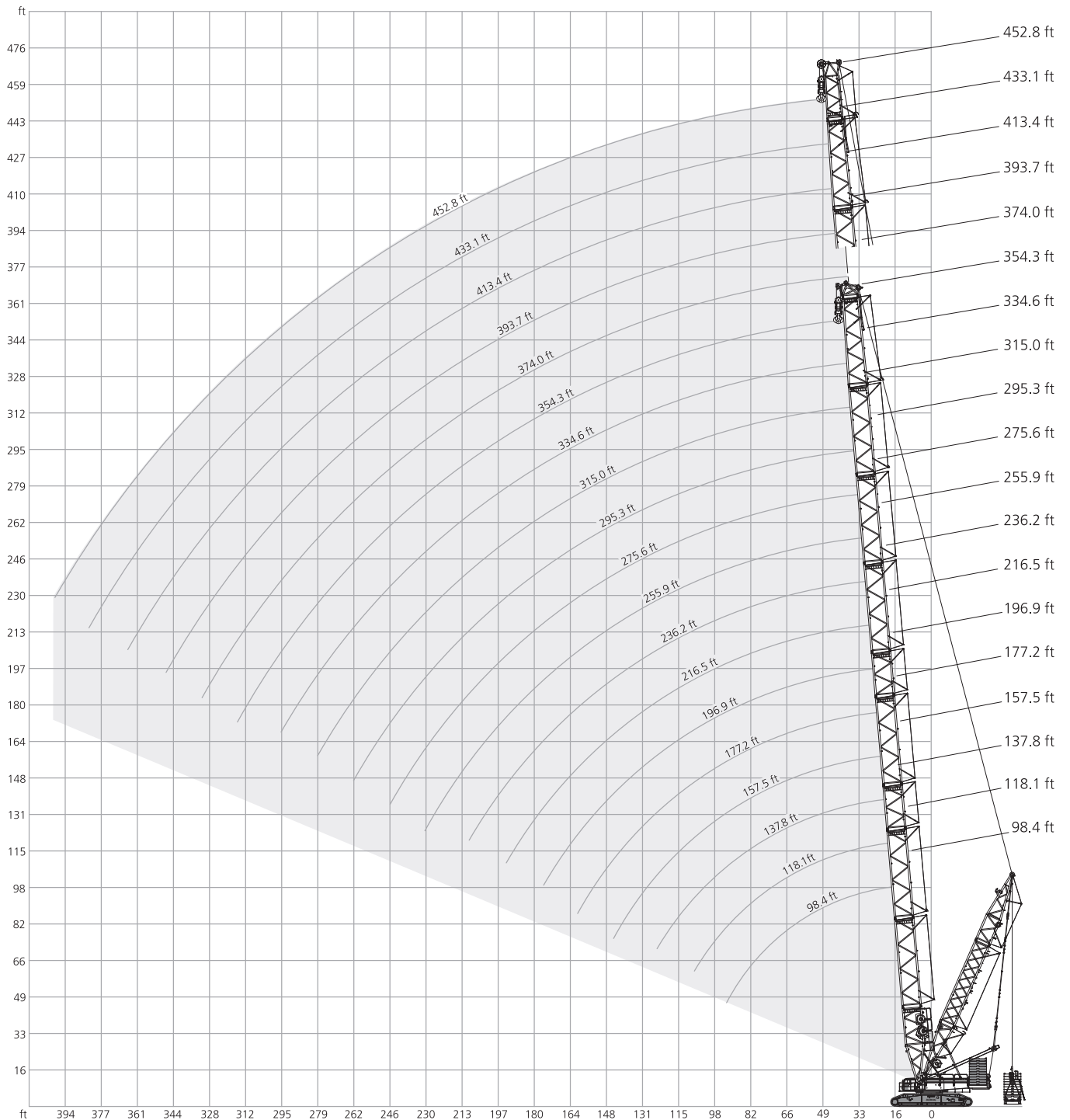
308,700 lb 352,800 lb 396,900 lb

132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5								
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
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
150.9	-	-	-	-	78.5	75.4	71.2	70.1	70.1	65.3	69.0	63.1	67.9	60.2	66.6	
164.0	-	-	-	-	-	65.5	60.8	59.5	59.5	54.5	58.2	52.2	57.1	49.4	55.8	
177.2	-	-	-	-	-	57.3	52.5	50.9	50.7	45.6	49.2	43.4	48.1	40.3	46.5	
190.3	-	-	-	-	-	-	45.4	43.7	43.2	38.4	41.7	35.7	40.3	32.6	38.8	
203.4	-	-	-	-	-	-	-	37.7	36.8	32.0	35.1	29.5	33.7	26.2	32.4	
216.5	-	-	-	-	-	-	-	-	31.5	26.9	29.8	24.0	28.2	20.5	26.7	
219.8	-	-	-	-	-	-	-	-	30.4	25.7	28.4	22.7	27.0	19.3	25.4	
226.4	-	-	-	-	-	-	-	-	28.0	23.4	26.1	20.5	24.6	17.0	22.9	
229.7	-	-	-	-	-	-	-	-	-	-	24.9	19.4	23.4	15.9	21.6	
232.9	-	-	-	-	-	-	-	-	-	-	23.9	18.4	22.3	14.8	20.6	
242.8	-	-	-	-	-	-	-	-	-	-	20.9	15.4	19.2	11.7	17.4	
246.1	-	-	-	-	-	-	-	-	-	-	-	14.6	18.2	10.7	16.5	
252.6	-	-	-	-	-	-	-	-	-	-	-	-	16.4	8.8	14.6	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	15.4	-	13.7	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.4	

352,800 lb
396,900 lb

		27.6 ft							32.2 ft / s			360°			ASME B30.5			
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°		ASME B30.5							
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	
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	
1,000 lb												36.1-49.2 ft			
ft															
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	
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	
1,000 lb											
ft											
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
36.1	599.7	1106.7	1106.7	1106.7	574.3	912.7	912.7	985.5	549.0	822.3	822.3
39.4	540.1	1106.7	1106.7	1106.7	520.3	912.7	912.7	985.5	498.2	822.3	822.3
45.9	456.4	1106.7	1106.7	1106.7	438.7	912.7	912.7	985.5	423.3	822.3	822.3
52.5	392.4	989.9	1036.2	989.9	379.2	901.7	901.7	985.5	366.0	822.3	822.3
59.1	337.3	877.4	932.6	875.2	332.9	855.4	855.4	873.0	319.7	798.1	798.1
65.6	286.6	787.1	835.6	784.8	286.6	784.8	809.1	780.4	284.4	760.6	760.6
72.2	246.9	712.1	751.8	709.9	246.9	709.9	738.5	705.5	244.7	705.5	716.5
78.7	217.2	646.0	681.2	646.0	217.2	648.2	670.2	643.8	215.0	643.8	652.6
85.3	191.8	588.6	621.7	586.4	191.8	588.6	612.9	586.4	189.6	588.6	597.5
91.9	170.9	537.9	568.8	537.9	170.9	540.1	564.4	535.7	168.7	537.9	551.2
98.4	153.2	496.0	522.5	493.8	153.2	496.0	520.3	491.6	151.0	493.8	509.3
111.5	127.5	429.9	450.5	429.2	127.5	431.4	452.7	427.0	124.6	429.2	444.6
124.7	106.1	374.8	388.7	374.8	105.8	376.3	393.9	372.6	102.4	373.3	388.0
137.8	89.1	330.7	337.3	330.7	88.2	330.7	343.9	328.5	84.4	326.3	339.5
150.9	76.1	289.5	293.2	288.1	75.0	298.4	304.2	294.7	71.1	293.9	304.2
164.0	65.1	250.2	252.4	248.4	63.5	265.3	266.8	260.9	59.4	264.6	270.4
177.2	56.0	220.5	215.0	220.5	53.8	231.5	231.5	227.1	49.4	238.1	238.1
190.3	-	-	-	-	46.7	204.1	201.5	200.8	42.0	210.2	211.6
193.6	-	-	-	-	45.0	199.5	194.0	196.2	40.2	203.2	205.0
203.4	-	-	-	-	-	-	-	-	35.5	183.5	185.7
210.0	-	-	-	-	-	-	-	-	32.6	175.3	173.1
216.5	-	-	-	-	-	-	-	-	-	-	-
229.7	-	-	-	-	-	-	-	-	-	-	-

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°		ASME B30.5												
275.6 ft		295.3 ft		315.0 ft		334.6 ft		354.3 ft												
SSL_1		SSL_2		SSL_1		SSL_2		SSL_2												
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb										
36.1-49.2 ft		55.8ft		36.1-49.2 ft		55.8ft		36.1-49.2 ft		55.8ft										
ft		1,000 lb																		
36.1	500.4	619.5	619.5	734.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.4	458.6	619.5	619.5	734.1	440.9	524.7	637.1	634.9	423.3	458.6	560.0	557.8	-	-	-	-	-	-	-	-
42.7	425.5	619.5	619.5	731.9	409.0	524.7	636.0	634.9	393.5	458.6	558.9	556.7	374.8	480.6	482.8	359.4	421.1	421.1	421.1	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	421.1	421.1	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	416.7	416.7	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	412.3	412.3	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	405.7	405.7	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	403.4	403.4	403.4
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	396.8	396.8	396.8
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	385.8	385.8	385.8
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	374.8	374.8	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	363.8	363.8	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	343.2	343.2	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	320.4	320.4	320.4
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	295.4	295.4	295.4
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	266.0	266.0	266.0
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	239.6	239.6	239.6
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	216.1	216.1	216.1
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	196.9	196.9	196.9
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	179.7	179.7	179.7
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	172.0	172.0	172.0
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	164.2	164.2	164.2
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	150.3	150.3	150.3
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	143.3	143.3	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	136.7	136.7	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	133.4	133.4	133.4
255.9	-	-	-	-	-	126.8	122.4	122.4	-	130.1	123.5	124.6	-	125.7	125.7	-	123.5	123.5	123.5	123.5
262.5	-	-	-	-	-	-	117.9	114.6	-	122.9	116.7	117.8	-	119.4	119.6	-	117.7	117.9	117.9	117.9
269.0	-	-	-	-	-	-	-	-	-	115.7	110.7	111.0	-	113.2	113.6	-	112.0	112.3	112.3	112.3
278.9	-	-	-	-	-	-	-	-	-	-	104.1	101.0	-	103.8	104.6	-	103.5	104.1	104.1	104.1
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.8	101.7	-	100.8	101.3	101.3	101.3
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	92.6	89.7	-	89.7	90.4	90.4	90.4
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.1	79.8	79.8	79.8
315.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.4	74.5	74.5	74.5



396,900 lb + 132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5							
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	
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

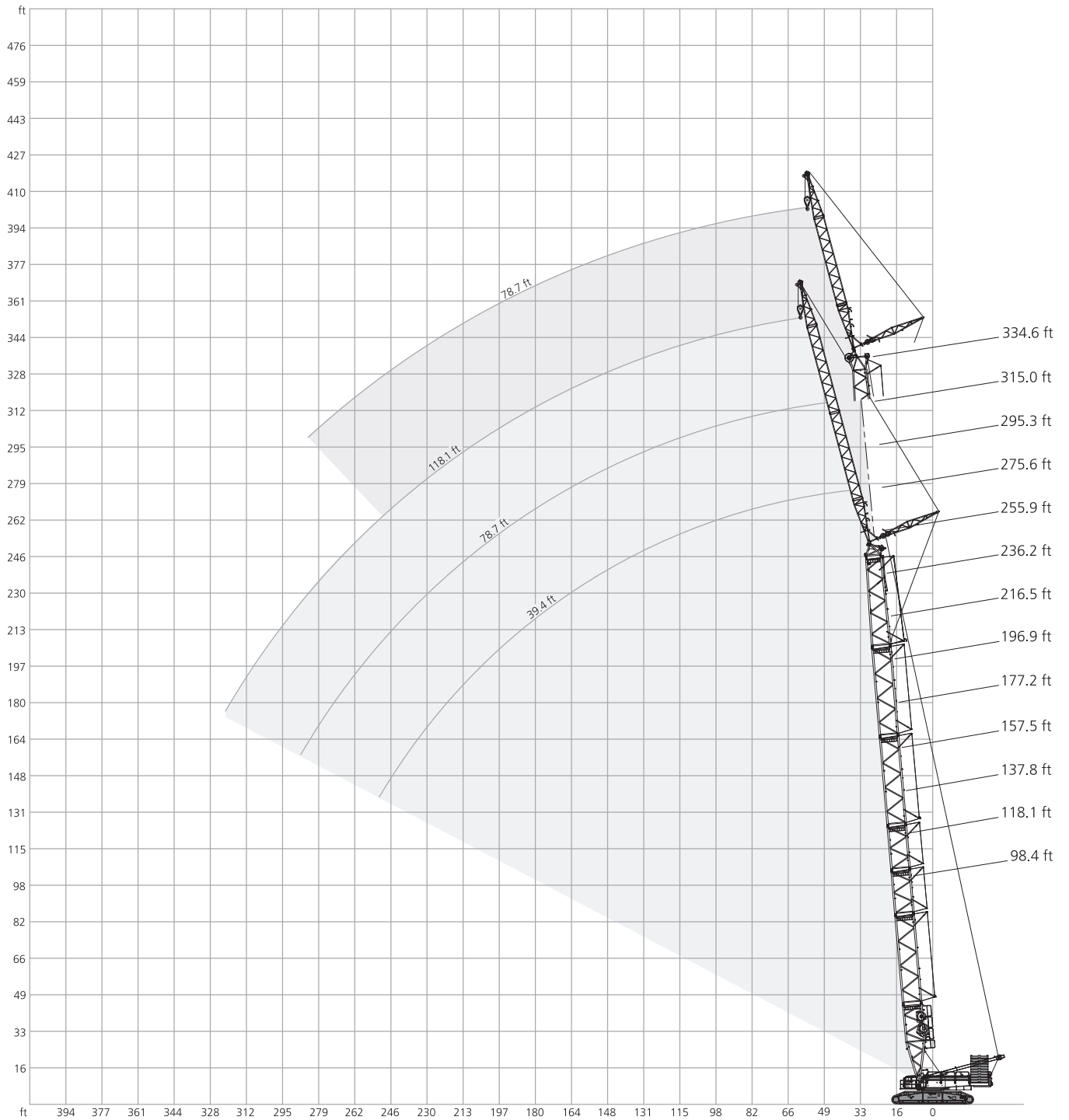
	0 lb	110,250 lb	220,500 lb	330,750 lb	441,000 lb	551,250 lb	661,500 lb
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		396,900 lb + 132,300 lb			27.6 ft			32.2 ft /s			360°			ASME B30.5				
		255.9 ft		275.6 ft		295.3 ft		315.0 ft		334.6 ft		354.3 ft						
		LSL_2	LSL_3	LSL_2	LSL_3	LSL_2	LSL_3	LSL_2	LSL_3	LSL_2	LSL_3	LSL_2	LSL_3	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	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
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396,900 lb + 132,300 lb 27.6 ft 32.2 ft /s 360° ASME B30.5																		
		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
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132,300 lb		39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ASME B30.5													
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

352,800 lb		396,900 lb		39.4-118.1 ft		27.6 ft		32.2 ft/s		360°		ASME B30.5																				
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°		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1			
39.4	275.6	229.3	177.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4			
42.7	275.6	219.9	174.2	147.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7			
45.9	275.6	210.5	170.9	147.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9			
52.5	249.1	194.0	159.8	138.9	-	-	-	88.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5			
55.8	238.1	186.8	154.9	133.4	85.3	-	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.7	-	55.8			
59.1	227.1	179.7	149.9	127.9	85.3	-	87.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.7	-	59.1			
65.6	208.3	167.6	141.1	117.9	80.0	-	85.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.6	-	85.8	-	65.6		
68.9	200.6	162.6	137.2	114.1	77.8	52.5	83.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.9	30.2	34.5	26.3	19.4	193.6	
196.9	-	-	-	45.2	36.9	-	32.0	25.0	18.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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°		ASME B30.5								
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°	20°	30°	10°	15°	20°	10°	20°	30°	10°	20°	30°	
1,000 lb																		
ft																	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	232.9
236.2	-	-	-	34.3	34.6	-	29.8	23.3	17.4	-	-	-	32.1	33.3	28.9	31.3	24.1	236.2
242.8	-	-	-	32.0	33.1	-	28.9	22.7	17.2	-	-	-	29.8	30.9	-	30.4	23.6	242.8
246.1	-	-	-	31.0	32.0	-	28.5	22.5	17.1	-	-	-	28.8	29.8	-	30.0	23.4	246.1
249.3	-	-	-	30.0	-	-	28.2	22.3	17.0	-	-	-	27.8	28.8	-	29.7	23.1	249.3
255.9	-	-	-	-	-	-	27.6	21.8	16.8	-	-	-	25.8	26.7	-	28.9	22.7	255.9
259.2	-	-	-	-	-	-	27.2	21.7	16.8	-	-	-	24.9	25.6	-	28.2	22.5	259.2
269.0	-	-	-	-	-	-	26.2	21.2	-	-	-	-	22.0	-	-	26.0	21.8	269.0
275.6	-	-	-	-	-	-	25.6	20.9	-	-	-	-	-	-	-	24.4	21.5	275.6
282.2	-	-	-	-	-	-	24.9	20.7	-	-	-	-	-	-	-	22.7	21.2	282.2
288.7	-	-	-	-	-	-	23.4	-	-	-	-	-	-	-	-	21.2	20.9	288.7
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	20.7	295.3
298.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9	20.1	298.6
305.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.4	-	305.1

352,800 lb
 396,900 lb

132,300 lb		39.4-118.1 ft						27.6 ft			32.2 ft / s			360°			ASME B30.5		
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°			15°			20°			10°			15°			20°				
10°			20°			30°			10°			20°			30°				
1,000 lb																			
ft																	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	265.7		
269.0	-	-	-	18.5	19.6	-	22.9	22.5	16.8	-	-	-	16.1	17.2	-	20.5	269.0		
275.6	-	-	-	16.9	17.6	-	21.2	21.8	16.6	-	-	-	14.4	15.5	-	18.7	275.6		
282.2	-	-	-	15.2	-	-	19.4	21.2	16.5	-	-	-	12.8	13.9	-	17.2	282.2		
285.4	-	-	-	14.6	-	-	18.6	20.3	16.4	-	-	-	12.1	13.0	-	16.4	285.4		
288.7	-	-	-	-	-	-	17.9	19.5	16.3	-	-	-	11.4	12.1	-	15.7	288.7		
292.0	-	-	-	-	-	-	17.1	18.7	-	-	-	-	10.6	11.5	-	14.9	292.0		
295.3	-	-	-	-	-	-	16.3	17.9	-	-	-	-	9.9	-	-	14.1	295.3		
301.8	-	-	-	-	-	-	14.9	16.3	-	-	-	-	8.4	-	-	12.6	301.8		
308.4	-	-	-	-	-	-	13.4	14.8	-	-	-	-	-	-	-	11.2	308.4		
315.0	-	-	-	-	-	-	12.1	13.2	-	-	-	-	-	-	-	9.9	315.0		
321.5	-	-	-	-	-	-	11.0	-	-	-	-	-	-	-	-	8.6	321.5		
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	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° ASME B30.5										
275.6 ft SH+LF_1 39.4 ft 78.7 ft 118.1 ft 10° 15° 20° 10° 20° 30° 10° 20° 30°										
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**

132,300 lb		39.4 ft		27.6 ft		32.2 ft / s		360°		ASME B30.5									
216.5 ft			236.2 ft			255.9 ft			275.6 ft										
LH+LF_2			LH+LF_2			LH+LF_3			LH+LF_3										
39.4 ft																			
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	-	-	235.9	-	-	275.6	-	-	42.7	
45.9	275.6	231.5	175.3	275.6	235.9	175.3	255.7	222.7	-	275.6	257.9	-	235.9	211.6	-	275.6	246.9	45.9	
49.2	275.6	223.8	170.3	275.6	228.2	172.0	251.3	221.0	172.0	275.6	253.5	195.1	234.8	211.6	176.4	275.6	246.9	189.6	49.2
52.5	275.6	216.1	165.3	275.6	220.5	168.7	246.9	219.4	170.9	275.6	249.1	192.9	233.7	211.6	173.1	275.6	246.9	189.6	52.5
59.1	269.0	201.7	156.5	264.6	207.2	159.8	240.3	209.4	162.0	273.4	233.7	184.1	227.1	207.2	164.2	264.6	235.9	186.3	59.1
65.6	249.1	189.6	148.8	251.3	196.2	152.1	233.7	200.6	155.4	242.5	220.5	175.3	222.7	202.8	157.6	235.9	222.7	178.6	65.6
72.2	231.5	179.7	142.2	227.1	185.2	145.5	220.5	190.7	148.8	219.4	209.4	167.6	216.1	195.1	151.0	211.6	212.7	170.9	72.2
78.7	209.4	169.8	135.6	206.1	175.3	138.9	200.6	180.8	142.2	197.3	199.5	160.9	195.1	186.3	145.5	190.7	192.9	164.2	78.7
85.3	185.2	160.9	130.1	184.1	167.6	133.4	183.0	172.0	136.7	179.7	181.9	154.3	177.5	177.5	140.0	173.1	175.3	157.6	85.3
91.9	166.4	153.2	124.6	164.2	159.8	127.9	163.1	164.2	131.2	160.9	163.1	148.8	162.0	163.1	134.5	157.6	159.8	152.1	91.9
98.4	149.9	146.6	120.2	148.8	149.9	123.5	146.6	148.8	126.8	144.4	145.5	143.3	145.5	146.6	130.1	142.2	143.3	145.5	98.4
111.5	123.5	124.6	111.3	122.4	123.5	114.6	120.2	122.4	117.9	117.9	119.0	120.2	119.0	120.2	121.3	115.7	116.8	117.9	111.5
124.7	103.8	104.7	104.5	102.3	103.4	104.3	101.0	102.1	103.0	98.3	99.4	100.5	99.2	100.3	101.4	95.9	97.2	98.3	124.7
137.8	88.2	88.8	89.7	86.6	87.5	88.4	85.3	86.2	87.1	82.5	83.6	84.4	83.3	84.4	85.3	79.8	80.9	82.0	137.8
150.9	75.4	76.1	76.7	74.1	74.7	75.4	72.3	73.2	74.1	69.0	70.1	71.0	70.1	71.0	72.1	66.1	67.2	68.3	150.9
164.0	64.8	65.5	66.1	63.1	63.7	64.4	61.3	61.9	62.8	58.0	58.9	59.5	58.9	59.7	60.6	54.9	56.0	56.9	164.0
177.2	55.6	56.2	56.7	53.8	54.5	54.9	52.0	52.7	53.4	48.7	49.4	50.0	49.6	50.5	51.1	45.6	46.5	47.2	177.2
190.3	47.8	48.3	48.7	45.9	46.5	47.0	44.1	44.8	45.2	40.8	41.4	42.1	41.7	42.3	43.0	37.7	38.4	39.2	190.3
203.4	41.0	41.4	41.9	39.2	39.7	40.1	37.3	37.9	38.4	34.0	34.6	35.1	35.1	35.5	36.2	30.9	31.5	32.2	203.4
216.5	35.5	35.7	36.2	33.5	34.0	34.2	31.5	32.0	32.4	28.2	28.7	29.1	29.1	29.8	30.2	25.1	25.6	26.2	216.5
223.1	33.1	33.3	33.5	31.0	31.4	31.6	29.0	29.4	29.9	25.7	26.1	26.6	26.6	27.1	27.6	22.5	23.0	23.6	223.1
229.7	30.6	30.9	-	28.4	28.9	29.1	26.5	26.9	27.3	23.1	23.6	24.0	24.0	24.5	24.9	20.1	20.5	20.9	229.7
232.9	29.5	29.8	-	27.4	27.8	28.0	25.4	25.8	26.2	22.0	22.5	22.9	22.9	23.4	23.8	19.0	19.4	19.8	232.9
239.5	-	-	-	25.3	25.6	25.8	23.3	23.6	24.0	19.8	20.3	20.5	20.7	21.2	21.6	16.8	17.2	17.5	239.5
242.8	-	-	-	24.3	24.5	-	22.3	22.5	22.9	18.7	19.2	19.4	19.6	20.1	20.5	15.7	16.1	16.3	242.8
249.3	-	-	-	22.3	22.5	-	20.2	20.6	20.9	16.9	17.2	17.4	17.7	18.1	18.5	13.7	14.0	14.4	249.3
255.9	-	-	-	-	-	-	18.3	18.7	19.0	15.0	15.2	15.4	15.9	16.1	16.5	11.7	12.1	12.3	255.9
265.7	-	-	-	-	-	-	15.9	16.1	-	12.3	12.8	-	13.2	13.6	13.9	9.2	9.5	9.7	265.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	12.3	12.8	13.0	8.4	8.6	8.8	269.0
272.3	-	-	-	-	-	-	-	-	-	-	-	-	11.6	12.0	-	-	7.7	8.2	272.3
282.2	-	-	-	-	-	-	-	-	-	-	-	-	9.5	9.7	-	-	-	-	282.2
285.4	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	-	-	-	-	285.4

















352,800 lb
 396,900 lb

  132,300 lb  39.4 ft  27.6 ft  32.2 ft /s 360° ASME B30.5																				
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°		
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	-	159.8	147.7	-	227.1	216.1	-	-	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		78.7 ft			27.6 ft			32.2 ft / s			360°			ASME B30.5		
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	-	-	-	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

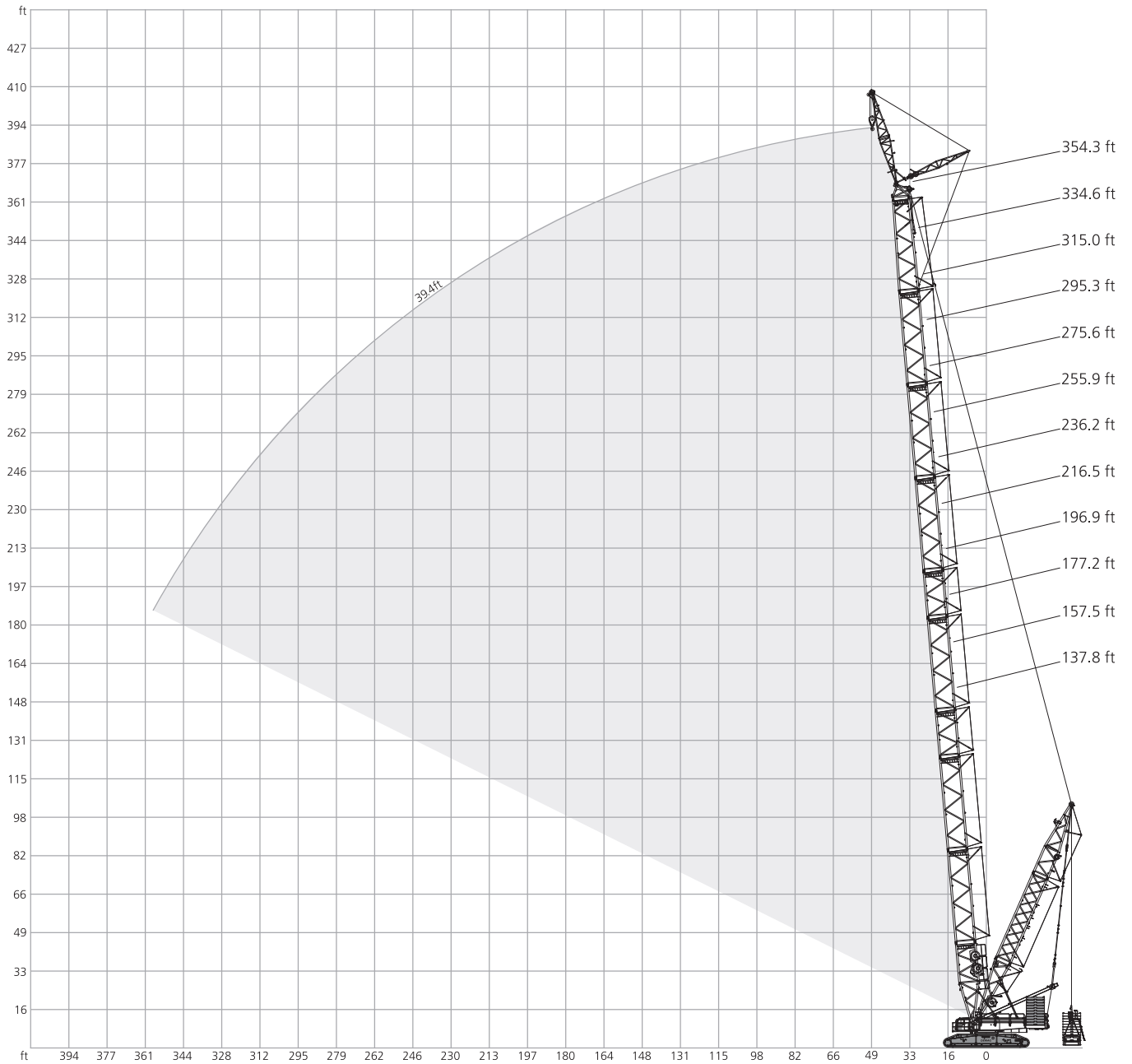
 +  132,300 lb				 78.7 ft / 118.1 ft		 27.6 ft		 32.2 ft / s		360° ASME B30.5	
				 334.6 ft		 216.5 ft					
				 LH+LF-2		 LH+LF-2					
				 78.7 ft		 118.1 ft					
				 10°		 10°		 20°		 30°	
ft		1,000 lb		ft		1,000 lb					
59.1	106.3	-	-	59.1	86.0	-	-				
65.6	106.3	-	-	65.6	85.3	-	-				
72.2	104.3	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	288.7	20.9	20.3	-				
292.0	-	-	8.4	292.0	20.3	20.1	-				
				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°		ASME B30.5																
 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																										
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	-	77.5	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	27.6	-	-	-	-	-	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	27.3	-	-	-	-	-	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	25.8	-	-	-	-	-	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	24.5	-	-	-	-	-	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	23.4	-	-	-	-	-	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	22.3	-	-	-	-	-	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	21.4	-	-	-	-	-	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	20.5	-	-	-	-	-	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	19.6	-	-	-	-	-	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	19.0	-	-	-	-	-	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	18.3	-	-	-	-	-	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	17.6	-	-	-	-	-	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	17.2	-	-	-	-	-	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	16.5	-	-	-	-	-	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	16.1	-	-	-	-	-	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	15.5	-	-	-	-	-	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	13.7	-	-	-	-	-	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	12.8	-	-	-	-	-	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	11.9	-	-	-	-	-	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	10.4	-	-	-	-	-	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	9.6	-	-	-	-	-	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**

A large rectangular area with horizontal lines, intended for taking notes.



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5															
137.8 ft										157.5 ft													
SSL+LF.1																							
39.4 ft				78.7 ft				118.1 ft				39.4 ft				78.7 ft				118.1 ft			
0 lb										0 - 661,500 lb													
10°		15°		20°		10°		20°		30°		10°		20°		30°		10°		20°		30°	
ft										1,000 lb													
32.8	275.6	275.6	-	-	-	-	-	-	-	275.6	275.6	-	-	-	-	-	-	-	-	-	-	-	
36.1	275.6	275.6	233.7	-	-	-	-	-	-	275.6	275.6	240.3	-	-	-	-	-	-	-	-	-	-	
39.4	275.6	275.6	222.7	180.8	-	-	-	-	-	275.6	275.6	229.3	185.2	-	-	-	-	-	-	-	-	-	
42.7	267.9	267.9	212.7	173.6	162.0	-	-	-	-	275.6	275.6	219.9	178.6	157.6	-	-	-	-	-	-	-	-	
45.9	260.1	260.1	202.8	166.4	155.4	-	-	-	-	275.6	275.6	210.5	172.0	157.6	-	-	-	-	-	-	-	-	
52.5	233.7	233.7	186.3	154.3	138.9	-	-	94.6	-	249.1	249.1	194.0	159.8	145.5	-	-	94.8	-	-	-	-	-	
55.8	223.2	223.2	179.1	149.4	132.3	87.1	-	93.9	-	238.1	238.1	186.8	154.9	138.9	88.6	-	94.2	-	-	-	-	-	
59.1	212.7	212.7	172.0	144.4	125.7	84.0	-	93.3	-	227.1	227.1	179.7	149.9	132.3	85.8	-	93.7	-	-	-	-	-	
65.6	195.1	195.1	159.8	135.6	115.7	78.3	53.4	89.3	-	208.3	208.3	167.6	141.1	121.3	80.2	-	91.3	-	-	-	-	-	
68.9	187.4	187.4	154.3	131.7	111.1	75.8	51.9	85.5	-	200.6	200.6	162.6	137.2	116.3	77.9	52.5	88.2	-	-	-	-	-	
72.2	179.7	179.7	148.8	127.9	106.5	73.4	50.5	81.8	55.3	192.9	192.9	157.6	133.4	111.3	75.6	51.1	85.1	56.2	-	-	-	-	
78.7	167.6	167.6	140.0	120.2	98.5	69.2	48.1	75.4	51.8	179.7	179.7	147.7	126.8	103.8	71.4	48.9	78.7	52.9	-	-	-	-	
85.3	156.5	156.5	132.3	114.6	91.5	65.3	46.1	69.9	48.7	167.6	167.6	140.0	120.2	97.0	67.5	46.7	73.2	49.8	-	-	-	-	
88.6	151.6	151.6	128.4	112.0	88.5	63.6	45.1	67.5	47.4	32.4	162.6	162.6	136.1	117.4	93.9	65.8	45.9	70.8	48.5	-	-	-	
91.9	146.6	146.6	124.6	109.3	85.5	61.9	44.1	65.0	46.1	31.7	157.6	157.6	132.3	114.6	90.8	64.2	45.0	68.3	47.2	32.0	-	-	
98.4	137.8	137.8	117.9	104.3	80.2	58.9	42.1	60.8	43.4	30.2	148.8	148.8	125.7	110.0	85.3	61.1	43.2	63.9	44.8	30.6	-	-	
111.5	124.6	124.6	108.2	96.3	71.9	53.7	39.2	54.2	39.5	27.7	134.1	134.1	115.4	101.8	76.6	56.1	40.3	57.0	40.6	28.1	-	-	
124.7	113.1	113.1	99.7	89.5	64.7	49.2	36.6	48.4	35.9	25.5	120.4	121.6	106.3	94.6	69.1	51.6	37.6	51.1	37.0	25.9	-	-	
137.8	103.4	103.4	92.4	83.8	58.6	45.4	34.4	43.4	32.6	23.6	107.8	111.3	98.5	88.4	62.6	47.6	35.3	46.1	34.0	24.0	-	-	
150.9	95.3	96.3	87.1	79.8	53.9	42.5	32.6	39.8	30.3	22.1	94.7	103.8	92.7	83.8	57.8	44.7	33.5	42.1	31.5	22.6	-	-	
157.5	91.3	92.8	84.4	77.8	51.6	41.0	31.7	37.9	29.1	21.4	88.2	100.1	89.7	81.6	55.3	43.2	32.6	40.1	30.2	21.8	-	-	
164.0	86.0	90.2	82.7	-	49.9	40.0	31.2	36.4	28.1	20.7	83.3	97.2	87.6	79.9	53.4	42.0	32.0	38.7	29.2	21.2	-	-	
173.9	-	-	-	-	47.4	38.4	30.3	34.2	26.7	19.7	75.9	92.7	84.4	77.4	50.6	40.3	31.0	36.4	27.8	20.4	-	-	
177.2	-	-	-	-	46.5	37.9	30.0	33.5	26.2	19.4	73.4	91.3	83.3	-	49.6	39.7	30.6	35.7	27.3	20.1	-	-	
180.4	-	-	-	-	45.9	37.5	29.8	32.9	25.8	19.2	71.4	90.2	82.5	-	48.9	39.2	30.4	35.1	26.9	19.8	-	-	
190.3	-	-	-	-	43.9	36.3	-	31.2	24.6	18.5	-	-	-	-	46.7	37.8	29.8	33.2	25.7	19.2	-	-	
193.6	-	-	-	-	43.2	35.9	-	30.6	24.2	18.3	-	-	-	-	45.9	37.3	29.5	32.6	25.3	19.0	-	-	
196.9	-	-	-	-	42.5	35.5	-	30.0	23.8	18.1	-	-	-	-	45.2	36.8	-	32.0	24.9	18.7	-	-	
200.1	-	-	-	-	41.9	-	-	29.5	23.5	17.9	-	-	-	-	44.6	36.5	-	31.5	24.6	18.6	-	-	
203.4	-	-	-	-	-	-	-	29.1	23.2	17.8	-	-	-	-	44.1	36.2	-	31.0	24.3	18.4	-	-	
213.3	-	-	-	-	-	-	-	27.8	22.3	17.3	-	-	-	-	42.4	35.3	-	29.6	23.4	17.8	-	-	
216.5	-	-	-	-	-	-	-	27.3	22.0	17.2	-	-	-	-	41.9	-	-	29.1	23.1	17.6	-	-	
219.8	-	-	-	-	-	-	-	27.0	21.9	17.0	-	-	-	-	-	-	-	28.7	22.9	17.5	-	-	
229.7	-	-	-	-	-	-	-	26.0	21.3	-	-	-	-	-	-	-	-	27.5	22.1	17.1	-	-	
232.9	-	-	-	-	-	-	-	25.7	21.2	-	-	-	-	-	-	-	-	27.1	21.9	17.0	-	-	
236.2	-	-	-	-	-	-	-	25.4	-	-	-	-	-	-	-	-	-	26.7	21.6	-	-	-	
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.1	21.3	-	-	-	
249.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	20.9	-	-	-	
252.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.1	-	-	-	-	



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5							
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					
10°		15°		20°		10°		15°		20°					
10°		20°		30°		10°		20°		30°					
ft		1,000 lb										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	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	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	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	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	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	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	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	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	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	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	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	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	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	196.9
203.4	-	-	-	-	-	-	-	-	46.8	46.8	37.6	29.5	32.9	32.9	203.4
210.0	-	-	-	-	-	-	-	-	45.6	45.6	36.9	29.1	31.9	31.9	210.0
216.5	-	-	-	-	-	-	-	-	44.3	44.3	36.2	-	30.9	30.9	216.5
229.7	-	-	-	-	-	-	-	-	42.2	42.2	35.1	-	29.1	29.1	229.7
232.9	-	-	-	-	-	-	-	-	41.7	41.7	-	-	28.7	28.7	232.9
242.8	-	-	-	-	-	-	-	-	-	-	-	-	27.6	27.6	242.8
246.1	-	-	-	-	-	-	-	-	-	-	-	-	27.2	27.2	246.1
255.9	-	-	-	-	-	-	-	-	-	-	-	-	26.2	26.2	255.9
265.7	-	-	-	-	-	-	-	-	-	-	-	-	25.4	25.4	265.7
269.0	-	-	-	-	-	-	-	-	-	-	-	-	25.2	25.2	269.0
272.3	-	-	-	-	-	-	-	-	-	-	-	-	24.9	24.9	272.3



396,900 lb + 132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5										
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										
10°		15°		20°		10°		20°										
10°		15°		20°		10°		20°										
10°		20°		30°		10°		20°										
30°		10°		20°		30°		10°										
30°		10°		20°		30°		10°										
ft		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	45.5	36.9	29.1	31.5	31.5	24.4	18.0	-	223.1
229.7	-	-	-	-	-	-	-	-	44.2	44.2	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



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5											
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°									
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	-	-	-	-	-	-	-	-	-	-	-	-	26.4	26.4	21.2	-	-	-	282.2
295.3	-	-	-	-	-	-	-	-	-	-	-	-	25.4	25.4	20.7	-	-	-	295.3
298.6	-	-	-	-	-	-	-	-	-	-	-	-	25.1	25.1	20.5	-	-	-	298.6
305.1	-	-	-	-	-	-	-	-	-	-	-	-	24.5	24.7	-	-	-	-	305.1

	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°		ASME B30.5											
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										
10°			15°		20°		10°		20°										
ft		1,000 lb										ft							
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	202.8	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	31.3	-	-	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	29.2	-	-	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	27.4	-	-	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	25.8	-	-	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	24.3	-	-	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	23.0	-	-	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	21.8	-	-	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	20.8	-	-	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	19.9	-	-	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	19.2	-	-	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	18.4	-	-	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	17.9	-	-	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	17.8	-	-	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	17.5	-	-	249.3
255.9	-	-	-	-	-	-	-	-	30.4	44.5	35.9	-	30.2	30.2	23.4	17.2	-	-	255.9
269.0	-	-	-	-	-	-	-	-	26.5	42.9	35.2	-	28.9	28.9	22.5	16.8	-	-	269.0
275.6	-	-	-	-	-	-	-	-	24.5	42.1	34.8	-	28.2	28.2	22.0	16.5	-	-	275.6
282.2	-	-	-	-	-	-	-	-	22.9	41.4	-	-	26.6	27.6	21.8	16.4	-	-	282.2
285.4	-	-	-	-	-	-	-	-	22.0	41.0	-	-	25.8	27.3	21.6	16.4	-	-	285.4
288.7	-	-	-	-	-	-	-	-	-	-	-	-	25.0	27.0	21.5	16.3	-	-	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
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396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5							
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°		15°		20°		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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	265.7
269.0	-	-	-	-	-	-	-	-	24.0	44.8	36.0	-	28.1	30.1	269.0
282.2	-	-	-	-	-	-	-	-	20.4	43.1	35.1	-	24.7	28.7	282.2
292.0	-	-	-	-	-	-	-	-	18.0	42.0	34.6	-	22.0	27.9	292.0
295.3	-	-	-	-	-	-	-	-	17.2	41.7	-	-	21.2	27.6	295.3
301.8	-	-	-	-	-	-	-	-	15.7	41.0	-	-	19.7	27.0	301.8
308.4	-	-	-	-	-	-	-	-	-	-	-	-	18.2	26.5	308.4
321.5	-	-	-	-	-	-	-	-	-	-	-	-	15.4	25.6	321.5
331.4	-	-	-	-	-	-	-	-	-	-	-	-	13.4	24.9	331.4
334.6	-	-	-	-	-	-	-	-	-	-	-	-	12.8	24.7	334.6
337.9	-	-	-	-	-	-	-	-	-	-	-	-	12.1	24.7	337.9



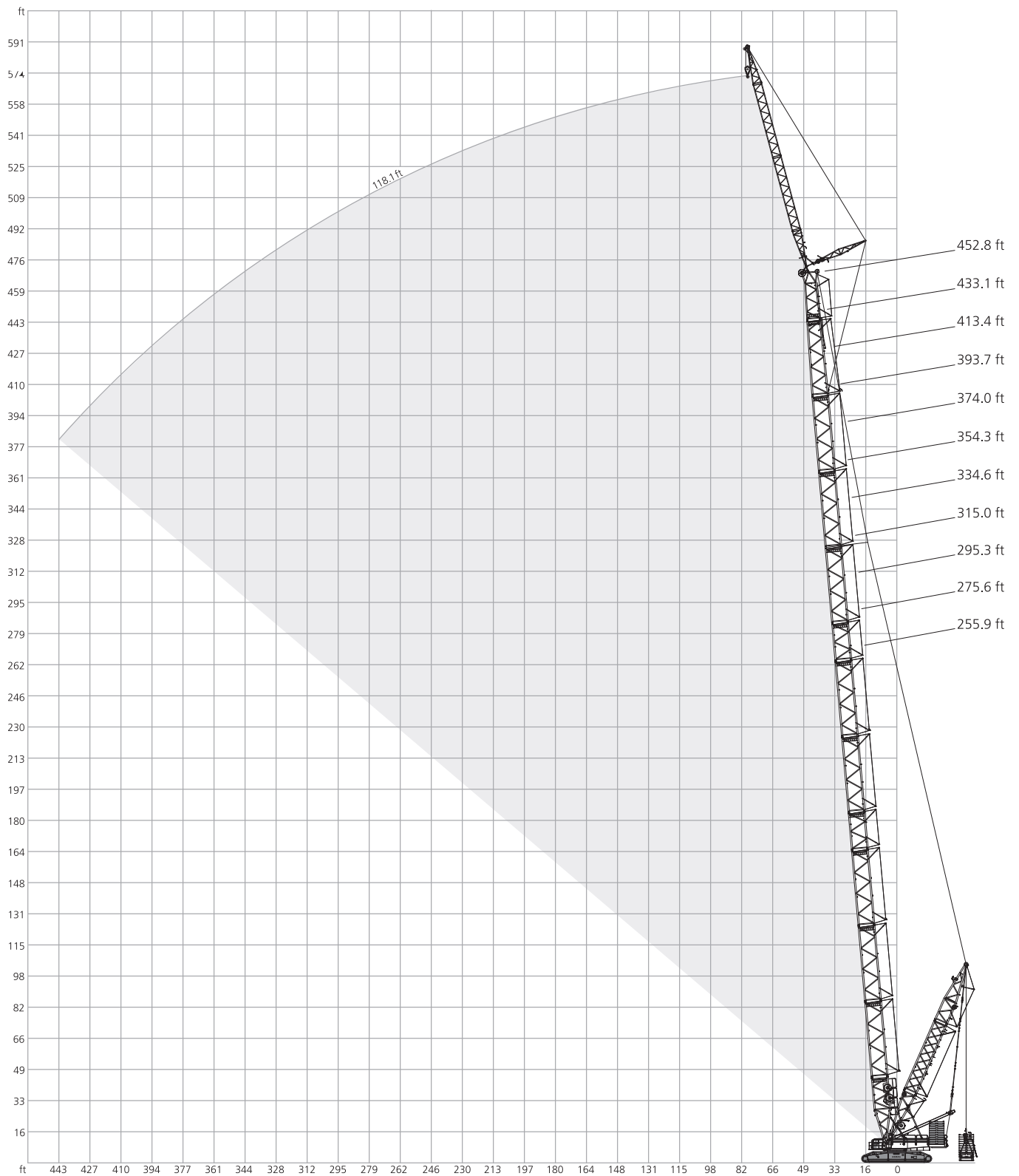
396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5								
275.6 ft																
SSL+LF_1			SSL+LF_2				SSL+LF_1									
39.4 ft							78.7 ft		118.1 ft							
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb						
10°		15°		20°		10°		15°		20°						
10°		15°		20°		10°		20°		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	54.2	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	52.0	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	49.8	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	48.9	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	46.2	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	42.8	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	39.9	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	37.4	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	35.1	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	33.1	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	31.3	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	29.7	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	28.2	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	26.9	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	25.7	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	24.7	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	23.8	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	23.6	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	23.2	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	23.0	282.2
295.3	-	-	-	-	-	-	-	-	13.4	43.0	35.1	-	17.9	28.7	22.3	295.3
308.4	-	-	-	-	-	-	-	-	10.7	41.8	34.4	-	14.9	27.5	21.5	308.4
315.0	-	-	-	-	-	-	-	-	9.3	41.2	-	-	13.4	26.9	21.2	315.0
318.2	-	-	-	-	-	-	-	-	8.6	40.8	-	-	12.8	26.7	21.1	318.2
321.5	-	-	-	-	-	-	-	-	-	-	-	-	12.1	26.5	20.9	321.5
334.6	-	-	-	-	-	-	-	-	-	-	-	-	9.5	25.6	20.5	334.6
341.2	-	-	-	-	-	-	-	-	-	-	-	-	8.2	25.2	20.4	341.2
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	24.8	20.1	347.8
354.3	-	-	-	-	-	-	-	-	-	-	-	-	-	24.5	-	354.3



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5									
295.3 ft		315.0 ft		334.6 ft		354.3 ft		SSL+LF 2									
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb							
10°		15°		20°		10°		15°		20°							
ft		1,000 lb										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



A large rectangular area with horizontal lines, intended for taking notes.



396,900 lb +		132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5						
255.9 ft		275.6 ft				295.3 ft		LSL+LF_3								
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°						
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



396,900 lb +		132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5							
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							
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
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396,900 lb +		132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5							
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							
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



396,900 lb + 132,300 lb		27.6 ft		32.2 ft /s		360°		ASME B30.5									
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							
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°		ASME B30.5											
433.1 ft				452.8 ft																	
LSL+LF_2		LSL+LF_3		LSL+LF_2		LSL+LF_3		LSL+LF_4													
39.4 ft								49.2 ft													
0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 lb - 661,500 lb											
10°		15°		20°		10°		15°		20°											
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






396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5	
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	
10°		20°		30°		10°		20°	
30°		10°		20°		30°		10°	
20°		30°		10°		20°		30°	
10°		20°		30°		10°		20°	
20°		30°		10°		20°		30°	
30°		10°		20°		30°		10°	
ft		1,000 lb							
55.8	143.3	143.3	-	-	-	-	-	-	-
59.1	143.3	143.3	-	-	135.6	135.6	-	-	127.9
62.3	143.3	143.3	-	-	135.6	135.6	-	-	127.9
65.6	143.3	143.3	-	-	135.6	135.6	-	-	127.9
68.9	142.7	142.7	83.1	-	135.0	135.0	-	-	127.9
72.2	142.2	142.2	81.4	-	134.5	134.5	82.0	-	127.9
75.5	139.4	139.4	79.7	-	133.9	133.9	80.5	-	127.9
78.7	136.7	136.7	78.0	-	133.4	133.4	78.9	-	127.9
82.0	132.8	132.8	76.5	46.3	130.6	130.6	77.4	46.5	126.8
85.3	129.0	129.0	75.0	45.6	127.9	127.9	75.8	45.9	125.7
88.6	125.7	125.7	73.5	45.0	125.1	125.1	74.4	45.2	123.5
91.9	122.4	122.4	72.1	44.3	122.4	122.4	73.0	44.5	121.3
98.4	115.7	115.7	69.4	43.2	117.9	117.9	70.5	43.2	117.9
111.5	105.5	105.5	64.9	41.0	108.2	108.2	66.0	41.2	110.2
124.7	96.3	96.3	60.8	38.9	99.4	99.4	61.9	39.2	102.2
137.8	88.2	88.2	57.1	37.0	91.3	91.3	58.2	37.5	94.1
150.9	81.9	81.9	54.0	35.6	82.5	84.8	55.1	35.9	82.1
164.0	73.5	76.1	51.1	34.2	72.5	78.9	52.2	34.4	70.5
177.2	63.1	71.0	48.5	32.8	61.5	73.6	49.6	33.1	59.5
190.3	54.4	66.7	46.3	31.7	52.8	69.2	47.4	32.0	50.9
203.4	46.6	62.8	44.2	30.6	45.0	65.2	45.3	31.0	43.0
216.5	39.7	59.3	42.3	29.8	38.1	61.5	43.4	30.0	35.9
229.7	34.1	56.4	40.7	29.0	32.4	58.4	41.8	29.2	30.2
242.8	28.9	53.6	39.2	28.3	27.2	55.6	40.3	28.5	25.0
255.9	24.0	51.1	37.9	27.6	22.5	52.9	38.8	27.8	20.3
269.0	20.1	48.9	36.9	27.1	18.5	50.7	37.6	27.3	16.3
282.2	16.4	47.0	35.9	26.7	14.8	48.6	36.6	26.9	12.6
288.7	14.7	46.1	35.5	26.5	13.0	47.7	36.2	26.7	10.8
292.0	13.9	45.6	35.3	26.5	12.1	47.2	35.9	26.6	9.9
295.3	13.0	45.2	35.1	-	11.2	46.7	35.7	26.5	9.0
298.6	12.3	44.8	34.9	-	10.5	46.4	35.5	26.4	8.4
308.4	10.2	43.7	34.3	-	8.4	45.2	34.8	26.2	-
318.2	8.2	42.7	33.8	-	-	44.0	34.2	-	-
321.5	-	42.4	33.7	-	-	43.7	34.1	-	-
324.8	-	42.1	33.5	-	-	43.3	34.0	-	-
334.6	-	41.2	-	-	-	42.3	33.5	-	-
337.9	-	40.8	-	-	-	42.1	33.4	-	-
341.2	-	-	-	-	-	41.8	33.3	-	-
347.8	-	-	-	-	-	41.3	-	-	-
354.3	-	-	-	-	-	40.8	-	-	-
357.6	-	-	-	-	-	-	-	-	-
360.9	-	-	-	-	-	-	-	-	-
370.7	-	-	-	-	-	-	-	-	-
374.0	-	-	-	-	-	-	-	-	-
387.1	-	-	-	-	-	-	-	-	-
390.4	-	-	-	-	-	-	-	-	-
400.3	-	-	-	-	-	-	-	-	-
406.8	-	-	-	-	-	-	-	-	-



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5									
393.7 ft		413.4 ft		433.1 ft		452.8 ft		LSL+LF 2									
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb		0-661,500 lb							
10°		20°		30°		10°		20°		30°							
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	-	-	91.7	91.7	-	-	82.7	82.7	-	-	68.9
72.2	107.8	107.8	-	-	98.3	98.3	-	-	91.7	91.7	-	-	82.7	82.7	-	-	72.2
78.7	106.9	106.9	81.4	-	97.0	97.0	80.0	-	91.5	91.5	-	-	82.5	82.5	-	-	78.7
82.0	106.5	106.5	79.9	-	96.3	96.3	79.6	-	91.2	91.2	76.7	-	82.3	82.3	71.0	-	82.0
85.3	106.0	106.0	78.5	-	95.7	95.7	79.1	-	90.8	90.8	76.7	-	82.2	82.2	71.0	-	85.3
91.9	104.9	104.9	76.1	44.8	94.6	94.6	76.5	44.8	90.2	90.2	76.3	-	82.0	82.0	70.8	-	91.9
95.1	103.9	103.9	74.8	44.2	93.7	93.7	75.4	44.2	89.7	89.7	75.5	44.1	81.9	81.9	70.4	44.1	95.1
98.4	103.0	103.0	73.6	43.7	92.8	92.8	74.3	43.7	89.3	89.3	74.7	43.7	81.8	81.8	70.1	43.7	98.4
111.5	98.8	98.8	69.4	41.7	89.3	89.3	70.0	41.7	86.6	86.6	70.6	41.9	79.9	79.9	68.8	41.9	111.5
124.7	94.2	94.8	65.5	40.0	85.8	85.8	66.1	40.0	83.9	83.9	66.8	40.2	78.0	78.0	66.7	40.2	124.7
137.8	89.1	90.8	61.9	38.4	82.2	82.2	62.6	38.4	81.1	81.1	63.3	38.6	76.1	76.1	63.9	38.6	137.8
150.9	77.3	87.2	58.9	36.9	73.3	78.7	59.5	37.0	70.4	78.3	60.3	37.1	66.8	74.0	61.0	37.3	150.9
164.0	65.8	83.8	56.0	35.5	63.5	75.7	56.7	35.7	60.2	75.8	57.5	35.8	57.7	72.1	58.2	35.9	164.0
177.2	54.7	80.9	53.4	34.2	52.9	73.2	54.2	34.4	50.5	73.4	54.9	34.6	48.7	70.3	55.6	34.6	177.2
190.3	46.0	77.8	51.0	33.1	44.1	70.7	51.9	33.4	41.8	71.2	52.5	33.4	39.9	68.6	53.4	33.6	190.3
203.4	38.1	74.2	48.9	32.1	36.2	68.2	49.7	32.3	33.9	69.0	50.4	32.4	32.0	66.8	51.2	32.6	203.4
216.5	31.1	70.1	47.0	31.1	29.3	65.7	47.6	31.3	26.7	66.8	48.5	31.5	24.9	65.0	49.2	31.7	216.5
229.7	25.4	66.7	45.2	30.2	23.4	63.2	46.0	30.4	20.9	64.6	46.7	30.6	19.0	63.4	47.4	30.9	229.7
242.8	20.1	63.6	43.6	29.4	18.1	60.7	44.4	29.6	15.7	62.4	45.0	29.8	13.7	61.7	45.7	30.1	242.8
255.9	15.2	60.6	42.1	28.7	13.2	58.2	42.8	28.9	10.8	60.2	43.4	29.1	8.8	60.0	44.1	29.3	255.9
259.2	14.2	60.0	41.8	28.5	12.2	57.6	42.4	28.7	9.7	59.6	43.1	28.9	7.7	59.6	43.8	29.2	259.2
262.5	13.2	59.3	41.4	28.4	11.2	57.0	42.1	28.6	8.6	59.1	42.8	28.7	-	59.2	43.5	29.0	262.5
269.0	11.2	58.0	40.8	28.1	9.2	55.8	41.4	28.3	-	58.0	42.1	28.4	-	58.3	42.8	28.7	269.0
272.3	10.3	57.3	40.5	27.9	8.2	55.1	41.1	28.1	-	57.4	41.8	28.2	-	57.9	42.5	28.4	272.3
278.9	8.2	56.1	39.8	27.7	-	53.9	40.6	27.9	-	56.3	41.2	28.0	-	57.1	41.8	28.1	278.9
282.2	-	55.6	39.5	27.6	-	53.4	40.3	27.7	-	55.8	40.9	27.9	-	56.7	41.5	27.9	282.2
295.3	-	53.4	38.4	26.9	-	51.1	39.0	27.1	-	53.6	39.7	27.3	-	54.9	40.3	27.3	295.3
308.4	-	51.3	37.3	26.6	-	49.2	38.0	26.7	-	51.4	38.7	26.7	-	53.1	39.2	26.9	308.4
321.5	-	49.5	36.4	26.2	-	47.3	37.0	26.3	-	49.2	37.6	26.3	-	51.4	38.1	26.5	321.5
334.6	-	47.8	35.5	25.8	-	45.4	36.2	26.0	-	47.0	36.6	26.0	-	49.6	37.3	26.0	334.6
347.8	-	46.4	34.8	25.6	-	43.4	35.4	25.7	-	44.8	35.9	25.7	-	47.8	36.4	25.8	347.8
360.9	-	45.0	34.2	25.4	-	41.4	34.7	25.4	-	42.5	35.1	25.4	-	46.1	35.6	25.4	360.9
364.2	-	44.6	34.0	25.4	-	40.9	34.5	25.4	-	42.0	34.9	25.4	-	45.6	35.4	25.4	364.2
374.0	-	43.7	33.5	-	-	39.5	34.0	25.1	-	40.3	34.4	25.1	-	44.3	34.8	25.1	374.0
377.3	-	43.2	33.4	-	-	39.0	33.8	25.1	-	39.8	34.2	25.1	-	43.9	34.7	25.1	377.3
387.1	-	42.0	33.1	-	-	37.6	33.5	-	-	38.1	33.8	25.0	-	42.5	34.2	25.0	387.1
390.4	-	41.6	33.0	-	-	37.1	33.4	-	-	37.6	33.7	24.9	-	42.1	34.1	24.9	390.4
400.3	-	40.1	32.8	-	-	35.6	33.1	-	-	35.9	33.3	-	-	40.8	33.7	24.8	400.3
403.5	-	39.6	32.7	-	-	35.2	33.0	-	-	35.4	33.2	-	-	40.3	33.6	24.7	403.5
406.8	-	39.0	32.6	-	-	34.7	32.8	-	-	34.8	33.1	-	-	39.9	33.4	-	406.8
413.4	-	37.9	-	-	-	33.7	32.6	-	-	33.7	32.8	-	-	39.0	33.1	-	413.4
423.2	-	36.4	-	-	-	32.2	31.7	-	-	32.1	32.6	-	-	37.7	32.8	-	423.2
426.5	-	-	-	-	-	31.7	-	-	-	31.5	32.6	-	-	37.3	32.8	-	426.5
439.6	-	-	-	-	-	29.8	-	-	-	29.3	31.7	-	-	35.5	32.5	-	439.6
452.8	-	-	-	-	-	-	-	-	-	27.1	-	-	-	33.7	32.2	-	452.8
456.0	-	-	-	-	-	-	-	-	-	26.5	-	-	-	33.3	32.0	-	456.0
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	32.0	-	-	465.9
472.4	-	-	-	-	-	-	-	-	-	-	-	-	-	31.1	-	-	472.4

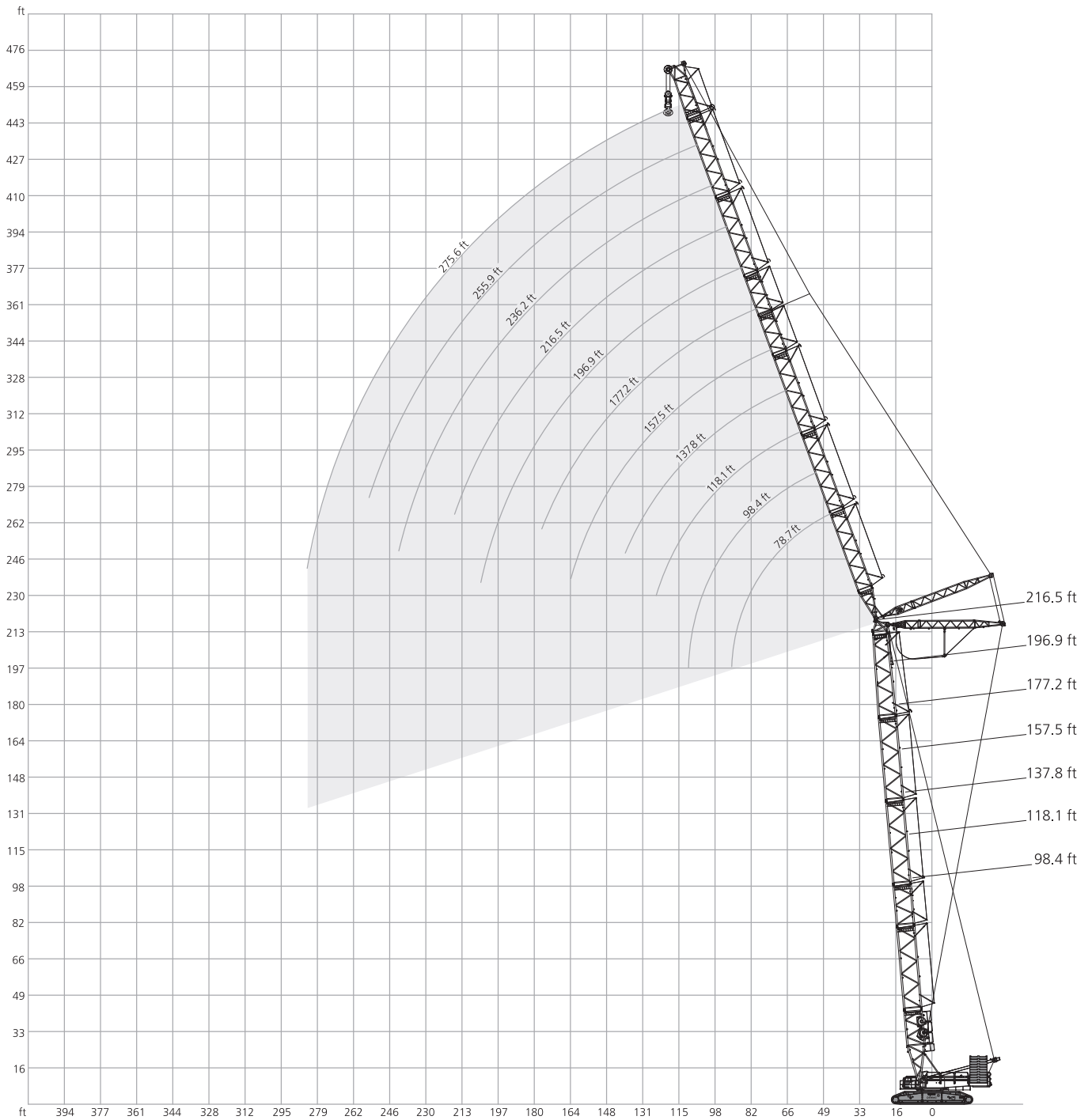





396,900 lb +  132,300 lb		 27.6 ft		 32.2 ft / s		360°		ASME B30.5	
295.3 ft		315.0 ft		334.6 ft		354.3 ft		374.0 ft	
LSL+LF_2									
118.1 ft									
0 lb		0-661,500 lb		0 lb		0-661,500 lb		0 lb	
10°		20°		30°		10°		20°	
30°		10°		20°		30°		10°	
20°		30°		10°		20°		30°	
10°		20°		30°		10°		20°	
20°		30°		10°		20°		30°	
30°		10°		20°		30°		10°	
ft		1,000 lb		ft		1,000 lb		ft	
65.6	88.0	88.0	-	-	-	-	-	-	-
68.9	87.7	87.7	-	-	84.7	84.7	-	-	80.7
72.2	87.5	87.5	-	-	84.7	84.7	-	-	80.7
78.7	86.6	86.6	-	-	84.0	84.0	-	-	80.7
85.3	85.8	85.8	52.7	-	83.3	83.3	-	-	80.2
88.6	85.3	85.3	51.6	-	82.8	82.8	52.0	-	80.1
91.9	84.9	84.9	50.5	-	82.2	82.2	50.9	-	80.0
98.4	83.1	83.1	48.5	-	79.6	79.6	48.9	-	78.5
105.0	79.2	79.2	46.8	28.0	77.1	77.1	47.3	-	76.4
108.3	77.3	77.3	46.0	27.6	75.8	75.8	46.4	27.6	75.3
111.5	75.3	75.3	45.1	27.2	74.6	74.6	45.6	27.2	74.2
124.7	68.4	68.4	42.0	25.7	69.4	69.4	42.5	25.8	69.7
137.8	62.4	62.4	39.2	24.3	64.2	64.2	39.9	24.5	65.0
150.9	57.7	57.7	36.9	23.1	59.5	59.5	37.6	23.3	60.9
164.0	53.4	53.4	34.8	22.0	55.2	55.2	35.4	22.2	56.9
177.2	49.6	49.6	32.8	20.9	51.4	51.4	33.5	21.2	52.9
190.3	46.5	46.5	31.1	20.1	48.1	48.1	31.7	20.3	49.7
203.4	43.7	43.7	29.5	19.3	45.1	45.1	30.1	19.5	45.9
216.5	41.0	41.0	28.0	18.5	42.3	42.3	28.7	18.7	41.4
229.7	37.8	38.7	26.8	17.9	37.2	40.1	27.5	18.2	35.6
242.8	33.7	36.5	25.7	17.3	32.2	38.0	26.4	17.6	30.1
255.9	28.9	34.6	24.7	16.8	27.3	35.9	25.4	17.0	25.1
269.0	24.8	33.0	23.8	16.3	23.2	34.3	24.3	16.5	21.0
282.2	20.9	31.5	22.9	15.9	19.4	32.8	23.4	16.1	17.2
295.3	17.4	30.2	22.0	15.7	15.9	31.3	22.7	15.7	13.7
301.8	15.9	29.6	21.8	15.5	14.3	30.6	22.3	15.5	12.1
308.4	14.3	29.0	21.5	15.4	12.8	30.0	22.0	15.4	10.6
318.2	12.1	28.2	21.1	15.2	10.5	29.1	21.5	15.2	8.4
321.5	11.5	27.9	20.9	15.1	9.8	28.8	21.3	15.1	-
331.4	9.5	27.2	20.6	15.0	7.7	28.0	20.9	15.0	-
334.6	8.8	26.9	20.5	-	-	27.8	20.7	15.0	-
337.9	8.2	26.7	20.4	-	-	27.6	20.7	14.9	-
344.5	-	26.2	20.2	-	-	27.1	20.5	14.8	-
347.8	-	26.0	20.1	-	-	26.9	20.3	-	-
357.6	-	25.4	19.8	-	-	26.2	20.0	-	-
360.9	-	25.2	19.7	-	-	26.0	19.9	-	-
364.2	-	25.0	19.6	-	-	25.8	19.8	-	-
374.0	-	24.5	-	-	-	25.1	19.6	-	-
380.6	-	-	-	-	-	24.9	19.4	-	-
387.1	-	-	-	-	-	24.6	-	-	-
390.4	-	-	-	-	-	24.5	-	-	-
397.0	-	-	-	-	-	-	-	-	-
400.3	-	-	-	-	-	-	-	-	-
406.8	-	-	-	-	-	-	-	-	-
413.4	-	-	-	-	-	-	-	-	-
426.5	-	-	-	-	-	-	-	-	-
429.8	-	-	-	-	-	-	-	-	-
439.6	-	-	-	-	-	-	-	-	-
442.9	-	-	-	-	-	-	-	-	-



396,900 lb + 132,300 lb		27.6 ft		32.2 ft / s		360°		ASME B30.5									
393.7 ft		413.4 ft		433.1 ft		452.8 ft		LSL+LF 2									
0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb		0 lb		0 - 661,500 lb							
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








396,900 lb +  132,300 lb		 27.6 ft		 32.2 ft /s		360°		ASME B30.5					
98.4 ft													
78.7 ft		98.4 ft			118.1 ft			137.8 ft		157.5 ft		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											ft	
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
85.3	215.0	200.6	-	213.8	199.5	-	212.7	-	-	210.5	-	-	209.4
91.9	195.1	181.9	-	194.0	180.8	-	192.9	-	-	190.7	-	-	189.6
98.4	-	166.4	-	177.5	164.2	-	176.4	163.1	-	174.2	-	-	172.0
105.0	-	153.2	142.2	163.7	152.1	-	162.6	150.5	-	160.9	147.7	-	158.7
111.5	-	-	131.2	149.9	140.0	-	148.8	137.8	-	147.7	135.6	-	145.5
118.1	-	-	122.4	-	130.1	120.2	138.9	128.4	-	137.2	126.2	-	135.6
124.7	-	-	113.5	-	120.2	111.3	129.0	119.0	-	126.8	116.8	-	125.7
131.2	-	-	-	-	104.6	-	111.8	102.5	-	119.0	109.6	-	117.7
137.8	-	-	-	-	-	97.9	-	104.5	96.1	111.3	102.3	-	109.8
144.4	-	-	-	-	-	-	-	98.3	90.5	-	96.2	87.5	103.4
150.9	-	-	-	-	-	-	-	-	84.9	-	90.2	82.2	97.0
164.0	-	-	-	-	-	-	-	-	75.6	-	80.5	73.0	86.4
177.2	-	-	-	-	-	-	-	-	-	-	65.5	-	70.3
183.7	-	-	-	-	-	-	-	-	-	-	-	-	66.8
190.3	-	-	-	-	-	-	-	-	-	-	-	-	56.9
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-

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	
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	-	-	111.5
124.7	122.4	-	-	120.2	-	-	119.0	-	-	117.9	-	-	124.7
131.2	114.3	103.2	-	112.3	-	-	111.1	-	-	110.2	-	-	131.2
137.8	106.3	96.1	-	104.5	-	-	103.2	-	-	102.5	-	-	137.8
144.4	99.9	90.2	-	98.1	88.0	-	96.7	-	-	96.0	-	-	144.4
150.9	93.5	84.2	-	91.7	82.2	-	90.2	80.5	-	89.5	-	-	150.9
157.5	88.1	79.4	-	86.3	77.4	-	84.9	75.6	-	84.2	74.5	-	157.5
164.0	82.7	74.5	-	80.9	72.5	-	79.6	70.8	-	78.9	69.9	-	164.0
170.6	78.3	70.3	-	76.5	68.3	-	75.1	66.7	-	74.4	65.8	-	170.6
177.2	73.9	66.1	58.4	72.1	64.2	-	70.5	62.6	-	69.9	61.7	-	177.2
190.3	66.4	59.3	51.6	64.6	57.3	49.2	63.1	55.3	-	62.4	54.2	-	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	-	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	216.5
223.1	-	45.4	38.7	-	43.2	36.2	48.4	41.1	34.0	47.6	40.1	32.8	223.1
229.7	-	-	36.6	-	40.8	34.0	45.9	38.8	31.7	45.0	37.7	30.6	229.7
242.8	-	-	-	-	36.8	30.2	41.4	34.6	28.0	40.3	33.5	26.7	242.8
255.9	-	-	-	-	-	26.9	-	30.9	24.7	36.4	29.8	23.4	255.9
259.2	-	-	-	-	-	-	-	30.0	23.9	-	28.9	22.6	259.2
269.0	-	-	-	-	-	-	-	-	21.6	-	26.5	20.3	269.0
275.6	-	-	-	-	-	-	-	-	-	-	24.9	19.0	275.6
282.2	-	-	-	-	-	-	-	-	-	-	-	17.6	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°		ASME B30.5										
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.1	350.5	-	-	339.5	-	-	328.5	-	-	-	-	-	-	-	-	-	-	-
65.6	304.2	-	-	302.0	-	-	295.4	-	-	284.4	-	-	-	-	-	-	-	-
72.2	266.8	-	-	266.8	-	-	264.6	-	-	257.9	-	-	251.3	-	-	-	-	-
78.7	238.1	-	-	235.9	-	-	233.7	-	-	231.5	-	-	229.3	-	-	220.5	-	-
85.3	213.8	197.3	-	212.7	-	-	211.6	-	-	209.4	-	-	207.2	-	-	203.9	-	-
91.9	194.0	178.6	-	192.9	176.4	-	191.8	-	-	189.6	-	-	187.4	-	-	186.3	-	-
98.4	-	163.1	-	176.4	160.9	-	174.2	158.7	-	173.1	-	-	170.9	-	-	168.7	-	-
111.5	-	137.8	125.7	149.9	136.7	-	147.7	134.5	-	146.6	131.2	-	144.4	-	-	142.2	-	-
118.1	-	-	117.4	-	127.3	-	137.8	125.1	-	136.1	122.4	-	134.5	120.2	-	132.3	-	-
124.7	-	-	109.1	-	117.9	106.9	127.9	115.7	-	125.7	113.5	-	124.6	111.3	-	122.4	-	-
131.2	-	-	-	-	110.2	100.2	-	108.6	-	117.9	106.3	-	116.6	104.2	-	114.6	101.6	-
137.8	-	-	-	-	-	93.5	-	101.4	90.8	110.2	99.0	-	108.7	97.0	-	106.9	94.8	-
150.9	-	-	-	-	-	82.7	-	89.7	80.2	97.7	87.3	77.4	95.9	85.3	-	94.1	83.1	-
164.0	-	-	-	-	-	-	-	-	71.4	-	77.8	68.6	85.5	75.8	66.4	83.6	73.4	-
170.6	-	-	-	-	-	-	-	-	-	-	73.6	64.9	-	71.8	62.5	79.1	69.4	-
177.2	-	-	-	-	-	-	-	-	-	-	-	61.3	-	67.7	58.6	74.7	65.5	55.8
187.0	-	-	-	-	-	-	-	-	-	-	-	56.5	-	62.7	53.8	69.0	60.4	51.0
190.3	-	-	-	-	-	-	-	-	-	-	-	54.9	-	61.1	52.2	-	58.6	49.4
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	46.7	-	52.9	43.9	-
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.3	41.6	-
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.2
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.1

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
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	242.8
255.9	-	-	-	-	23.4	-	28.7	20.9	-	35.5	27.6	19.6	33.3	24.9	255.9
262.5	-	-	-	-	-	-	26.9	19.5	-	25.9	18.2	-	31.4	23.3	262.5
269.0	-	-	-	-	-	-	-	18.1	-	24.3	16.8	-	29.5	21.6	269.0
282.2	-	-	-	-	-	-	-	15.7	-	21.4	14.3	-	26.5	18.7	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°		ASME B30.5										
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°				
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	15.9	242.8
249.3	-	-	23.5	-	30.6	21.5	-	28.0	18.5	36.8	26.9	17.3	34.4	24.3	14.4	249.3
255.9	-	-	22.0	-	-	19.8	-	26.2	17.0	34.8	25.1	15.9	32.4	22.5	13.0	255.9
269.0	-	-	-	-	-	17.2	-	23.1	14.3	-	22.0	13.0	28.9	19.4	10.4	269.0
275.6	-	-	-	-	-	-	-	13.2	-	20.6	11.9	9.6	27.2	18.0	9.0	275.6
282.2	-	-	-	-	-	-	-	12.1	-	19.2	10.8	8.6	25.6	16.5	-	282.2
288.7	-	-	-	-	-	-	-	11.0	-	17.9	9.6	7.6	-	15.3	-	288.7
292.0	-	-	-	-	-	-	-	10.5	-	-	9.0	7.6	-	14.7	-	292.0
295.3	-	-	-	-	-	-	-	9.9	-	-	-	7.6	-	14.1	-	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	7.6	-	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°		ASME B30.5											
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°								
ft										1,000 lb										ft
91.9	1709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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°		ASME B30.5										
177.2 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			1,000 lb			1,000 lb			1,000 lb			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	29.8
216.5	-	-	-	-	-	-	-	-	-	-	-	32.0	-	-	28.7	-	39.5	25.8
223.1	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0	-	-	37.5	24.1
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			1,000 lb			1,000 lb			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	39.5	-	-	190.3
203.4	57.1	42.1	-	55.3	39.7	-	54.0	37.7	-	52.5	35.7	-	50.9	34.0	-	-	203.4
216.5	-	37.3	23.4	49.8	34.8	-	48.3	32.8	-	46.7	31.1	-	45.2	29.1	-	-	216.5
229.7	-	33.1	19.8	45.0	30.6	17.2	43.0	28.7	-	41.7	26.9	-	40.1	25.1	-	-	229.7
242.8	-	29.5	17.0	-	26.9	14.3	38.6	24.9	11.9	37.0	23.1	-	35.5	21.4	-	-	242.8
255.9	-	-	14.3	-	23.8	11.7	-	21.6	9.3	33.1	19.8	-	31.5	18.1	-	-	255.9
262.5	-	-	13.2	-	22.3	10.5	-	20.3	-	31.3	18.4	-	29.7	16.6	-	-	262.5
269.0	-	-	12.1	-	-	9.3	-	18.7	-	29.5	17.0	-	27.8	15.2	-	-	269.0
272.3	-	-	-	-	-	8.8	-	18.1	-	-	16.4	-	27.0	14.6	-	-	272.3
282.2	-	-	-	-	-	-	-	16.3	-	-	14.6	-	24.7	12.6	-	-	282.2
295.3	-	-	-	-	-	-	-	-	-	-	12.1	-	-	10.1	-	-	295.3
298.6	-	-	-	-	-	-	-	-	-	-	11.7	-	-	9.6	-	-	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°		ASME B30.5									
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			ft			ft			ft			ft		
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
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	-	32.2
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.1	-	14.6
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.3

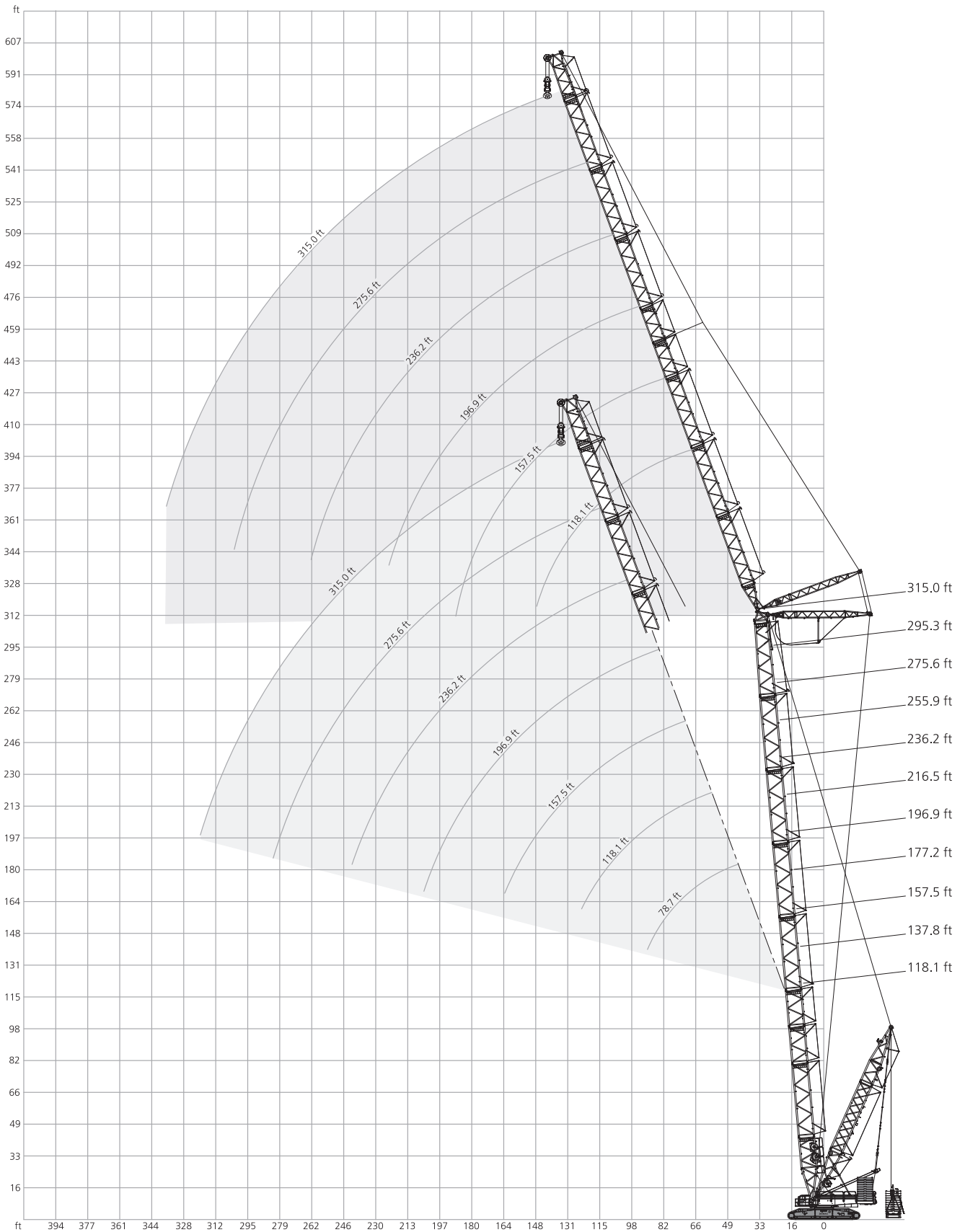
196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft		
85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°			85° 75° 65°		
ft			1,000 lb			ft			ft			ft		
91.9	158.7	-	-	-	-	-	-	-	-	-	-	-	-	91.9
98.4	147.7	-	-	143.3	-	-	-	-	-	-	-	-	-	98.4
111.5	129.0	-	-	124.6	-	-	120.2	-	-	110.2	-	-	-	111.5
124.7	113.5	-	-	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°		ASME B30.5									
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										ft					
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°** **ASME B30.5**

118.1 ft + 78.7 ft

ft	SWSL_1					SFSL_1	SWSL_2
	0 lb	0 lb - 661,500 lb					
	85°	85°	75°	65°	55°	15°	85°
	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

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	235.9
177.2	-	-	-	-	227.1
190.3	-	-	-	-	209.4
203.4	-	-	-	-	170.9
216.5	-	-	-	-	145.5

	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

118.1 ft + 157.5 ft

ft	SWSL_1					SFSL_1	SWSL_2
	0 lb	0 lb - 661,500 lb					
	85°	85°	75°	65°	55°	15°	85°
	1,000 lb						
72.2	271.2	412.3	-	-	-	-	-
78.7	249.1	412.3	-	-	-	410.1	-
85.3	224.9	412.3	-	-	-	407.9	-
91.9	202.8	396.8	-	-	-	403.4	-
98.4	185.2	379.2	-	-	-	399.0	-
111.5	156.5	343.9	-	-	-	361.6	-
118.1	145.5	320.8	337.3	-	-	345.0	-
124.7	134.5	297.6	337.3	-	-	328.5	-
137.8	117.9	253.5	297.6	-	-	304.2	-
150.9	104.3	217.2	264.6	-	-	277.8	-
164.0	93.3	183.0	240.3	246.9	-	253.5	-
177.2	-	-	212.7	229.3	-	227.1	-
190.3	-	-	178.6	213.8	-	207.2	-
196.9	-	-	-	206.1	190.7	196.2	-
203.4	-	-	-	198.4	188.5	185.2	-
210.0	-	-	-	188.5	181.3	174.2	-
216.5	-	-	-	-	174.2	165.3	-
223.1	-	-	-	-	168.7	156.5	-
229.7	-	-	-	-	-	147.7	-
242.8	-	-	-	-	-	129.0	-
255.9	-	-	-	-	-	111.3	-

118.1 ft + 196.9 ft

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	155.4
242.8	-	-	-	140.0	144.4
246.1	-	-	-	137.8	142.2
255.9	-	-	-	-	135.6
262.5	-	-	-	-	131.2
269.0	-	-	-	-	111.3
282.2	-	-	-	-	96.8
295.3	-	-	-	-	85.8

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° ASME B30.5									
118.1 ft + 236.2 ft									
SWSL_1					[SFSL_1]		[SWSL_2]		
0 lb		0 lb - 661,500 lb							
ft		1,000 lb							
		85°	85°	75°	65°	55°	15°	85°	
98.4	174.2	211.6	-	-	-	-	-	-	-
108.3	156.8	211.6	-	-	-	209.4	-	-	-
111.5	151.0	211.6	-	-	-	209.4	-	-	-
124.7	129.0	207.2	-	-	-	207.2	-	-	-
137.8	111.3	200.6	-	-	-	205.0	-	-	-
150.9	98.1	191.8	-	-	-	200.6	-	-	-
157.5	92.4	187.4	191.8	-	-	197.3	-	-	-
164.0	86.6	183.0	189.6	-	-	194.0	-	-	-
177.2	77.2	174.2	185.2	-	-	183.0	-	-	-
190.3	69.0	159.8	178.6	-	-	172.0	-	-	-
203.4	62.2	141.1	172.0	-	-	160.9	-	-	-
210.0	59.1	133.4	164.8	147.7	-	155.4	-	-	-
216.5	56.0	125.7	157.6	146.6	-	149.9	-	-	-
229.7	50.9	110.2	141.1	141.1	-	141.1	-	-	-
242.8	46.1	94.8	125.7	133.4	-	134.5	-	-	-
255.9	-	-	111.3	126.8	126.8	126.8	-	-	-
262.5	-	-	103.6	122.9	124.0	122.4	-	-	-
269.0	-	-	-	119.0	121.3	117.9	-	-	-
282.2	-	-	-	110.2	113.5	108.9	-	-	-
295.3	-	-	-	-	106.7	96.6	-	-	-
301.8	-	-	-	-	103.4	90.6	-	-	-
308.4	-	-	-	-	-	84.7	-	-	-
321.5	-	-	-	-	-	76.3	-	-	-
334.6	-	-	-	-	-	65.5	-	-	-

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° ASME B30.5

		SWSL_1					SFSL_1	SWSL_2
		0 lb - 661,500 lb						
		85°	85°	75°	65°	55°	15°	
		1,000 lb						
65.6	308.6	526.9	-	-	-	524.7	-	
72.2	280.0	522.5	-	-	-	524.7	-	
78.7	251.3	493.8	-	-	-	515.9	-	
85.3	224.9	467.4	-	-	-	509.3	-	
91.9	205.0	440.9	-	-	-	489.4	-	
98.4	186.3	412.3	-	-	-	463.0	-	
105.0	172.5	377.0	418.9	-	-	436.5	-	
111.5	158.7	341.7	418.9	-	-	410.1	-	
124.7	136.7	277.8	370.4	-	-	372.6	-	
137.8	-	-	335.1	-	-	335.1	-	
144.4	-	-	308.6	293.2	-	316.4	-	
150.9	-	-	282.2	286.6	-	297.6	-	
157.5	-	-	251.3	275.6	-	278.9	-	
164.0	-	-	-	264.6	-	260.1	-	
177.2	-	-	-	246.9	-	235.9	-	
183.7	-	-	-	-	220.5	222.1	-	
190.3	-	-	-	-	212.7	208.3	-	
196.9	-	-	-	-	206.1	195.1	-	
203.4	-	-	-	-	-	185.2	-	
216.5	-	-	-	-	-	164.2	-	
229.7	-	-	-	-	-	141.1	-	
239.5	-	-	-	-	-	124.6	-	

		SWSL_1					SFSL_1	SWSL_2
		0 lb - 661,500 lb						
		85°	85°	75°	65°	55°	15°	
		1,000 lb						
85.3	209.4	282.2	-	-	-	-	-	
91.9	194.0	282.2	-	-	-	280.0	-	
98.4	179.7	282.2	-	-	-	280.0	-	
111.5	151.0	273.4	-	-	-	280.0	-	
124.7	130.1	255.7	-	-	-	277.8	-	
137.8	112.4	235.9	-	-	-	266.8	-	
144.4	105.8	226.0	251.3	-	-	261.2	-	
150.9	99.2	216.1	249.1	-	-	255.7	-	
164.0	88.0	198.4	231.5	-	-	229.3	-	
177.2	78.5	176.4	213.8	-	-	205.0	-	
190.3	70.8	153.2	194.0	-	-	191.8	-	
196.9	67.4	142.2	186.3	186.3	-	186.8	-	
203.4	63.9	131.2	178.6	183.0	-	181.9	-	
216.5	-	-	158.7	169.8	-	170.9	-	
229.7	-	-	136.7	156.5	-	159.8	-	
242.8	-	-	-	146.6	145.5	147.7	-	
255.9	-	-	-	135.6	137.8	131.2	-	
269.0	-	-	-	-	130.1	119.0	-	
275.6	-	-	-	-	125.7	113.8	-	
282.2	-	-	-	-	-	107.6	-	
295.3	-	-	-	-	-	93.9	-	
308.4	-	-	-	-	-	81.6	-	

		SWSL_1					SFSL_1	SWSL_2
		0 lb - 661,500 lb						
		85°	85°	75°	65°	55°	15°	
		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	-	

		SWSL_1					SFSL_1	SWSL_2
		0 lb - 661,500 lb						
		85°	85°	75°	65°	55°	15°	
		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

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

137.8 ft + 275.6 ft

ft	SWSL_1					SFSL_1	SWSL_2
	0 lb	0 lb - 661,500 lb					
	85°	85°	75°	65°	55°	15°	85°
	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	-

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
334.6	-	-	66.6	66.8	60.8
347.8	-	-	59.7	66.4	60.8
360.9	-	-	-	65.9	60.8
367.5	-	-	-	65.5	60.8
374.0	-	-	-	-	60.8
387.1	-	-	-	-	60.8
400.3	-	-	-	-	50.5
413.4	-	-	-	-	44.8
426.5	-	-	-	-	38.6
					34.2

157.5 ft + 78.7 ft

ft	SWSL_1					SFSL_1	SWSL_2
	0 lb	0 lb - 661,500 lb					
	85°	85°	75°	65°	55°	15°	85°
	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

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
203.4	-	-	-	-	198.4
210.0	-	-	-	-	192.9
216.5	-	-	-	-	168.7
229.7	-	-	-	-	152.1
242.8	-	-	-	-	133.4
255.9	-	-	-	-	113.5

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° ASME B30.5	
157.5 ft + 157.5 ft		SWSL_1		SFSL_1		SWSL_2			
0 lb		0 lb - 661,500 lb		0 lb		0 lb - 661,500 lb			
ft		1,000 lb		ft		1,000 lb			
85°		85°		75°		65°		55°	
15°		15°		85°		85°			
78.7	233.7	357.1	-	-	-	-	-	-	-
85.3	216.1	357.1	-	-	-	357.1	-	-	-
91.9	199.5	352.7	-	-	-	357.1	-	-	-
98.4	181.9	346.1	-	-	-	357.1	-	-	-
111.5	153.2	328.5	-	-	-	352.7	-	-	-
124.7	132.3	299.8	-	-	-	328.5	-	-	-
131.2	123.5	281.1	308.6	-	-	315.3	-	-	-
137.8	114.6	262.4	308.6	-	-	302.0	-	-	-
150.9	101.9	222.7	282.2	-	-	282.2	-	-	-
164.0	90.8	188.5	253.5	-	-	260.1	-	-	-
177.2	-	-	231.5	227.1	-	238.1	-	-	-
190.3	-	-	202.8	216.1	-	217.2	-	-	-
196.9	-	-	185.2	209.4	-	206.7	-	-	-
203.4	-	-	-	202.8	-	196.2	-	-	-
216.5	-	-	-	191.8	-	180.8	-	-	-
223.1	-	-	-	185.2	166.4	171.4	-	-	-
229.7	-	-	-	-	164.2	162.0	-	-	-
242.8	-	-	-	-	155.4	144.4	-	-	-
249.3	-	-	-	-	151.0	136.1	-	-	-
255.9	-	-	-	-	-	130.1	-	-	-
269.0	-	-	-	-	-	116.8	-	-	-
282.2	-	-	-	-	-	101.6	-	-	-
295.3	-	-	-	-	-	87.3	-	-	-

157.5 ft + 236.2 ft		SWSL_1		SFSL_1		SWSL_2			
0 lb		0 lb - 661,500 lb		0 lb		0 lb - 661,500 lb			
ft		1,000 lb		ft		1,000 lb			
85°		85°		75°		65°		55°	
15°		15°		85°		85°			
105.0	-	191.8	-	-	-	-	-	-	-
108.3	147.7	191.8	-	-	-	-	-	-	-
111.5	143.3	191.8	-	-	-	-	-	191.8	-
124.7	125.7	189.6	-	-	-	-	-	189.6	-
137.8	110.2	183.0	-	-	-	-	-	189.6	-
150.9	96.6	176.4	-	-	-	-	-	187.4	-
164.0	85.3	169.8	174.2	-	-	183.0	-	183.0	-
177.2	75.8	163.1	174.2	-	-	178.6	-	178.6	-
190.3	67.7	156.5	172.0	-	-	169.8	-	169.8	-
203.4	60.8	143.3	169.8	-	-	160.9	-	160.9	-
216.5	54.9	127.9	158.7	-	-	149.9	-	149.9	-
229.7	49.6	112.4	149.9	136.7	-	140.0	-	140.0	-
242.8	44.8	97.4	136.7	135.6	-	134.5	-	134.5	-
255.9	-	-	121.3	130.1	-	130.1	-	130.1	-
269.0	-	-	106.7	124.6	-	123.5	-	123.5	-
275.6	-	-	98.8	121.3	-	119.6	-	119.6	-
282.2	-	-	-	117.9	114.6	115.7	-	115.7	-
295.3	-	-	-	112.4	110.2	105.8	-	105.8	-
301.8	-	-	-	105.6	107.1	100.2	-	100.2	-
308.4	-	-	-	-	104.1	95.9	-	95.9	-
321.5	-	-	-	-	-	98.1	-	98.1	-
324.8	-	-	-	-	-	96.6	-	96.6	-
334.6	-	-	-	-	-	77.4	-	77.4	-
347.8	-	-	-	-	-	67.5	-	67.5	-
360.9	-	-	-	-	-	59.1	-	59.1	-
370.7	-	-	-	-	-	53.6	-	53.6	-

157.5 ft + 196.9 ft		SWSL_1		SFSL_1		SWSL_2			
0 lb		0 lb - 661,500 lb		0 lb		0 lb - 661,500 lb			
ft		1,000 lb		ft		1,000 lb			
85°		85°		75°		65°		55°	
15°		15°		85°		85°			
91.9	187.4	264.6	-	-	-	-	-	-	-
98.4	174.2	264.6	-	-	-	264.6	-	-	-
111.5	151.0	257.9	-	-	-	264.6	-	-	-
124.7	129.0	246.9	-	-	-	264.6	-	-	-
137.8	112.4	233.7	-	-	-	257.9	-	-	-
150.9	99.2	216.1	242.5	-	-	251.3	-	-	-
164.0	88.0	200.6	231.5	-	-	235.9	-	-	-
177.2	78.5	177.5	209.4	-	-	216.1	-	-	-
190.3	70.5	154.3	191.8	-	-	198.4	-	-	-
203.4	63.9	132.3	178.6	179.7	-	183.0	-	-	-
216.5	-	-	165.3	172.0	-	167.6	-	-	-
229.7	-	-	143.3	160.9	-	156.5	-	-	-
236.2	-	-	132.3	155.4	-	151.6	-	-	-
242.8	-	-	-	149.9	-	146.6	-	-	-
249.3	-	-	-	145.0	133.4	141.6	-	-	-
255.9	-	-	-	140.0	133.4	136.7	-	-	-
262.5	-	-	-	134.5	130.1	130.8	-	-	-
269.0	-	-	-	-	126.8	124.6	-	-	-
282.2	-	-	-	-	120.2	110.2	-	-	-
288.7	-	-	-	-	117.9	105.3	-	-	-
295.3	-	-	-	-	-	100.5	-	-	-
308.4	-	-	-	-	-	89.5	-	-	-
321.5	-	-	-	-	-	77.2	-	-	-
334.6	-	-	-	-	-	65.9	-	-	-



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

157.5 ft + 275.6 ft		SWSL_1		SFSL_1		SWSL_2			
0 lb		0 lb - 661,500 lb		0 lb		0 lb - 661,500 lb			
ft		1,000 lb		ft		1,000 lb			
85°		85°		75°		65°		55°	
15°		15°		85°		85°			
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	-	-	-

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft/s 360° ASME B30.5

157.5 ft + 315.0 ft

ft	SWSL_1						SFSL_1	SWSL_2
	0 lb - 661,500 lb							
	85°	85°	75°	65°	55°	15°	85°	
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 + 118.1 ft

ft	SWSL_1						SFSL_1	SWSL_2
	0 lb - 661,500 lb							
	85°	85°	75°	65°	55°	15°	85°	
65.6	288.8	440.9	-	-	-	-	476.2	
72.2	262.4	440.9	-	-	-	438.7	469.6	
78.7	240.3	425.5	-	-	-	436.5	458.6	
85.3	222.7	412.3	-	-	-	436.5	443.1	
91.9	201.7	399.0	-	-	-	436.5	427.7	
98.4	184.1	385.8	-	-	-	427.7	412.3	
111.5	155.4	357.1	-	-	-	401.2	357.1	
118.1	145.0	323.0	388.0	-	-	386.9	323.0	
124.7	134.5	288.8	370.4	-	-	372.6	288.8	
137.8	117.9	224.9	341.7	-	-	337.3	224.9	
150.9	-	-	310.9	-	-	299.8	-	
164.0	-	-	264.6	262.4	-	266.8	-	
177.2	-	-	-	244.7	-	240.3	-	
190.3	-	-	-	224.9	-	217.2	-	
196.9	-	-	-	217.2	-	207.2	-	
203.4	-	-	-	-	190.7	197.3	-	
216.5	-	-	-	-	183.0	176.4	-	
223.1	-	-	-	-	177.5	165.9	-	
229.7	-	-	-	-	-	155.4	-	
242.8	-	-	-	-	-	137.8	-	
255.9	-	-	-	-	-	124.6	-	
269.0	-	-	-	-	-	107.6	-	

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° ASME B30.5									
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				
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°				
ft					ft				
1,000 lb					1,000 lb				
88.6	-	-	-	-	-	-	-	-	255.7
91.9	180.8	255.7	-	-	-	-	-	-	255.7
98.4	168.7	255.7	-	-	-	249.1	253.5	-	253.5
111.5	147.7	253.5	-	-	-	249.1	242.5	-	242.5
124.7	127.9	244.7	-	-	-	249.1	227.1	-	227.1
137.8	111.3	233.7	-	-	-	244.7	211.6	-	211.6
150.9	98.1	218.3	227.1	-	-	240.3	195.1	-	195.1
164.0	86.9	200.6	224.9	-	-	231.5	179.7	-	179.7
177.2	77.6	180.8	213.8	-	-	213.8	167.6	-	167.6
190.3	69.7	157.6	200.6	-	-	196.2	155.4	-	155.4
203.4	62.8	135.6	189.6	-	-	180.8	135.6	-	135.6
210.0	-	-	181.9	172.0	-	174.2	123.8	-	123.8
213.3	-	-	178.0	172.0	-	170.9	117.9	-	117.9
216.5	-	-	174.2	172.0	-	167.6	-	-	-
229.7	-	-	152.1	163.1	-	156.5	-	-	-
242.8	-	-	130.1	154.3	-	146.6	-	-	-
255.9	-	-	-	145.5	-	137.8	-	-	-
262.5	-	-	-	140.5	125.7	132.6	-	-	-
269.0	-	-	-	135.6	125.7	126.8	-	-	-
282.2	-	-	-	-	119.0	113.5	-	-	-
295.3	-	-	-	-	113.5	101.9	-	-	-
308.4	-	-	-	-	-	92.4	-	-	-
321.5	-	-	-	-	-	82.5	-	-	-
334.6	-	-	-	-	-	71.4	-	-	-
347.8	-	-	-	-	-	61.3	-	-	-

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	-	183.0
124.7	122.4	176.4	-	-	-	178.6	176.4	-	176.4
137.8	108.7	174.2	-	-	-	178.6	169.8	-	169.8
150.9	95.2	169.8	-	-	-	176.4	163.1	-	163.1
164.0	84.2	163.1	-	-	-	174.2	155.4	-	155.4
170.6	79.5	159.8	165.3	-	-	173.1	151.6	-	151.6
177.2	74.7	156.5	165.3	-	-	172.0	147.7	-	147.7
190.3	66.8	149.9	165.3	-	-	165.3	141.1	-	141.1
203.4	60.0	143.3	163.1	-	-	156.5	133.4	-	133.4
216.5	54.0	130.1	156.5	-	-	147.7	125.7	-	125.7
229.7	48.5	115.7	147.7	-	-	138.9	115.7	-	115.7
236.2	46.2	108.0	145.5	130.1	-	135.6	108.0	-	108.0
242.8	43.9	100.3	143.3	130.1	-	132.3	100.3	-	100.3
249.3	-	-	135.6	130.1	-	130.1	91.9	-	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	-	-	-



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° ASME B30.5

177.2 ft + 315.0 ft

		SWSL_1			SFSL_1	SWSL_2	
		0 lb - 661,500 lb					
		85°	85°	75°	65°	55°	15°
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

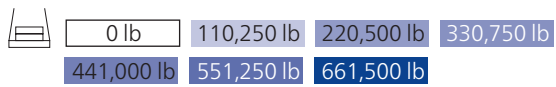
		SWSL_1			SFSL_1	SWSL_2	
		0 lb - 661,500 lb					
		85°	85°	75°	65°	55°	15°
ft		1,000 lb					
55.8	-	555.6	-	-	-	-	599.7
59.1	328.5	544.5	-	-	-	549.0	588.6
65.6	295.4	524.7	-	-	-	544.5	566.6
72.2	271.2	502.7	-	-	-	542.3	540.1
78.7	249.1	480.6	-	-	-	540.1	515.9
85.3	222.7	454.2	-	-	-	524.7	487.2
91.9	202.8	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

		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° ASME B30.5							
196.9 ft + 157.5 ft				196.9 ft + 236.2 ft			
SWSL_1		SFSL_1		SWSL_2		SFSL_2	
0 lb		0 lb - 661,500 lb		0 lb		0 lb - 661,500 lb	
ft	85°	85°	75°	65°	55°	15°	85°
1,000 lb				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 + 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	-



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° ASME B30.5								196.9 ft + 275.6 ft								196.9 ft + 315.0 ft															
SWSL_1				[SFSL_1] [SWSL_2]				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				0 lb				0 lb - 661,500 lb											
ft		1,000 lb						ft		1,000 lb						ft		1,000 lb													
		85°		85°		75°		65°		55°		15°		85°				85°		85°		75°		65°		55°		15°		85°	
114.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128.0	-	-	-	-	-	-	-	-	-	-	-	-	89.5	
121.4	-	-	125.7	-	-	-	-	-	-	-	-	-	-	-	-	-	134.5	-	-	83.8	-	-	-	-	-	-	-	-	-	89.1	
124.7	110.2	125.7	-	-	-	-	-	-	125.7	126.8	-	-	-	-	-	-	137.8	81.8	83.1	-	-	-	-	-	-	-	81.8	88.8	-	-	
137.8	97.7	125.7	-	-	-	-	-	-	125.7	124.6	-	-	-	-	-	-	150.9	79.6	80.9	-	-	-	-	-	-	-	81.1	86.4	-	-	
150.9	87.1	123.5	-	-	-	-	-	-	125.7	122.4	-	-	-	-	-	-	164.0	71.4	78.7	-	-	-	-	-	-	-	79.6	84.0	-	-	
164.0	78.0	121.3	-	-	-	-	-	-	125.7	120.2	-	-	-	-	-	-	177.2	63.9	76.7	-	-	-	-	-	-	-	78.0	81.8	-	-	
177.2	70.1	119.0	-	-	-	-	-	-	123.5	116.8	-	-	-	-	-	-	190.3	57.3	74.7	-	-	-	-	-	-	-	76.5	79.8	-	-	
190.3	63.3	116.8	-	-	-	-	-	-	121.3	114.6	-	-	-	-	-	-	203.4	51.4	73.0	-	-	-	-	-	-	-	74.5	77.8	-	-	
196.9	60.0	115.7	114.6	-	-	-	-	-	121.3	113.0	-	-	-	-	-	-	216.5	46.1	71.2	71.9	-	-	-	-	-	-	72.8	75.8	-	-	
203.4	56.7	114.6	114.6	-	-	-	-	-	121.3	111.3	-	-	-	-	-	-	229.7	41.4	69.2	71.0	-	-	-	-	-	-	71.2	73.9	-	-	
216.5	50.5	112.4	114.6	-	-	-	-	-	116.8	108.9	-	-	-	-	-	-	242.8	37.0	67.5	70.1	-	-	-	-	-	-	69.7	71.9	-	-	
229.7	45.0	108.0	114.6	-	-	-	-	-	112.4	104.5	-	-	-	-	-	-	255.9	32.6	66.6	69.2	-	-	-	-	-	-	67.9	70.5	-	-	
242.8	40.1	105.8	114.6	-	-	-	-	-	110.2	100.1	-	-	-	-	-	-	269.0	28.9	65.5	68.1	-	-	-	-	-	-	66.4	69.0	-	-	
255.9	35.9	97.0	114.6	-	-	-	-	-	105.8	95.7	-	-	-	-	-	-	282.2	25.4	64.4	67.2	-	-	-	-	-	-	64.8	67.7	-	-	
269.0	32.0	87.3	112.4	91.9	-	-	-	-	101.4	89.1	-	-	-	-	-	-	295.3	22.3	63.3	66.4	61.1	-	-	-	-	-	63.3	66.4	-	-	
282.2	28.7	77.6	108.0	91.9	-	-	-	-	97.0	77.6	-	-	-	-	-	-	308.4	19.4	62.4	65.5	61.1	-	-	-	-	-	61.5	64.8	-	-	
288.7	-	-	103.6	91.9	-	-	-	-	94.8	71.7	-	-	-	-	-	-	321.5	17.0	57.8	64.8	61.1	-	-	-	-	-	60.0	57.8	-	-	
295.3	-	-	99.2	91.9	-	-	-	-	92.6	-	-	-	-	-	-	-	328.1	-	-	64.5	61.1	-	-	-	-	-	59.2	52.9	-	-	
308.4	-	-	89.3	91.9	-	-	-	-	88.2	-	-	-	-	-	-	-	334.6	-	-	64.2	61.1	-	-	-	-	-	58.4	-	-	-	
321.5	-	-	79.6	91.9	-	-	-	-	83.8	-	-	-	-	-	-	-	347.8	-	-	63.5	61.1	-	-	-	-	-	55.8	-	-	-	
334.6	-	-	-	89.3	78.3	-	-	-	78.7	-	-	-	-	-	-	-	360.9	-	-	59.7	61.1	53.1	-	-	-	-	52.9	-	-	-	
347.8	-	-	-	86.4	77.8	73.9	-	-	73.9	-	-	-	-	-	-	-	374.0	-	-	-	61.1	53.1	-	-	-	-	50.3	-	-	-	
354.3	-	-	-	85.1	75.5	70.0	-	-	70.0	-	-	-	-	-	-	-	387.1	-	-	-	61.1	53.1	-	-	-	-	47.4	-	-	-	
360.9	-	-	-	-	73.2	66.1	-	-	66.1	-	-	-	-	-	-	-	393.7	-	-	-	61.1	53.1	-	-	-	-	46.1	-	-	-	
374.0	-	-	-	-	69.0	58.4	-	-	58.4	-	-	-	-	-	-	-	400.3	-	-	-	-	53.1	-	-	-	-	44.8	-	-	-	
387.1	-	-	-	-	64.8	52.5	-	-	52.5	-	-	-	-	-	-	-	413.4	-	-	-	-	53.1	-	-	-	-	41.9	-	-	-	
400.3	-	-	-	-	-	46.5	-	-	46.5	-	-	-	-	-	-	-	423.2	-	-	-	-	50.9	-	-	-	-	37.6	-	-	-	
413.4	-	-	-	-	-	39.5	-	-	39.5	-	-	-	-	-	-	-	426.5	-	-	-	-	-	-	-	-	-	36.8	-	-	-	
426.5	-	-	-	-	-	32.4	-	-	32.4	-	-	-	-	-	-	-	439.6	-	-	-	-	-	-	-	-	-	32.0	-	-	-	
439.6	-	-	-	-	-	26.2	-	-	26.2	-	-	-	-	-	-	-	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

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° ASME B30.5																			
216.5 ft + 78.7 ft					216.5 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														
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°														
ft 1,000 lb					ft 1,000 lb														
55.8	-	-	-	-	-	-	-	-	542.3	82.0	-	-	-	-	-	-	-	-	297.6
59.1	315.3	465.2	-	-	-	460.8	542.3	-	85.3	195.1	260.1	-	-	-	-	-	-	260.1	297.6
65.6	286.6	447.5	-	-	-	460.8	522.5	-	91.9	180.8	260.1	-	-	-	-	-	-	260.1	291.0
72.2	262.4	427.7	-	-	-	458.6	500.4	-	98.4	168.7	255.7	-	-	-	-	-	-	260.1	284.4
78.7	240.3	410.1	-	-	-	456.4	478.4	-	111.5	148.8	244.7	-	-	-	-	-	-	260.1	271.2
85.3	222.7	392.4	-	-	-	456.4	456.4	-	124.7	130.1	233.7	-	-	-	-	-	-	257.9	257.9
91.9	202.8	379.2	-	-	-	440.9	432.1	-	137.8	113.5	224.9	-	-	-	-	-	-	257.9	242.5
98.4	185.2	366.0	-	-	-	429.9	407.9	-	144.4	106.8	219.4	246.9	-	-	-	-	-	256.8	233.7
101.7	-	-	-	-	-	423.8	379.2	-	150.9	100.1	213.8	246.9	-	-	-	-	-	255.7	224.9
105.0	-	-	403.4	-	-	417.8	-	-	164.0	89.1	205.0	235.9	-	-	-	-	-	235.9	205.0
111.5	-	-	403.4	-	-	405.7	-	-	177.2	80.0	172.0	227.1	-	-	-	-	-	218.3	169.8
124.7	-	-	372.6	-	-	372.6	-	-	190.3	-	-	216.1	-	-	-	-	-	200.6	-
137.8	-	-	341.7	-	-	328.5	-	-	203.4	-	-	198.4	184.1	-	-	-	-	187.4	-
150.9	-	-	-	-	-	291.0	-	-	216.5	-	-	177.5	177.5	-	-	-	-	174.2	-
157.5	-	-	-	273.4	-	275.6	-	-	229.7	-	-	-	167.6	-	-	-	-	159.8	-
164.0	-	-	-	262.4	-	260.1	-	-	242.8	-	-	-	157.6	-	-	-	-	148.8	-
173.9	-	-	-	246.9	-	238.7	-	-	249.3	-	-	-	152.1	-	-	-	-	142.7	-
177.2	-	-	-	-	-	231.5	-	-	255.9	-	-	-	-	-	-	131.2	-	136.7	-
190.3	-	-	-	-	-	209.4	-	-	269.0	-	-	-	-	-	126.8	-	-	122.4	-
196.9	-	-	-	-	-	199.5	-	-	282.2	-	-	-	-	-	120.2	-	-	110.2	-
203.4	-	-	-	-	196.2	189.6	-	-	295.3	-	-	-	-	-	-	-	-	98.1	-
206.7	-	-	-	-	188.5	184.6	-	-	308.4	-	-	-	-	-	-	-	-	86.6	-
216.5	-	-	-	-	-	169.8	-	-	321.5	-	-	-	-	-	-	-	-	78.7	-
229.7	-	-	-	-	-	149.9	-	-	334.6	-	-	-	-	-	-	-	-	67.9	-
242.8	-	-	-	-	-	131.2	-	-	347.8	-	-	-	-	-	-	-	-	56.9	-
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° ASME B30.5																			
216.5 ft + 236.2 ft					216.5 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														
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°														
ft					ft														
1,000 lb					1,000 lb														
105.0	-	-	-	-	-	-	-	-	166.4	118.1	-	-	-	-	-	-	-	-	123.5
108.3	-	152.1	-	-	-	-	-	-	166.4	121.4	-	114.6	-	-	-	-	-	-	122.9
111.5	129.0	152.1	-	-	-	-	152.1	166.4	166.4	124.7	106.0	114.6	-	-	-	-	-	-	122.4
124.7	113.5	152.1	-	-	-	-	152.1	160.9	160.9	131.2	100.1	114.6	-	-	-	-	-	114.6	121.3
137.8	101.2	147.7	-	-	-	-	152.1	156.5	156.5	137.8	94.1	114.6	-	-	-	-	-	114.6	120.2
150.9	90.6	143.3	-	-	-	-	152.1	151.0	151.0	150.9	83.8	112.4	-	-	-	-	-	114.6	117.9
164.0	81.6	141.1	-	-	-	-	149.9	144.4	144.4	164.0	75.0	110.2	-	-	-	-	-	114.6	115.7
177.2	73.2	136.7	-	-	-	-	149.9	138.9	138.9	177.2	67.5	110.2	-	-	-	-	-	112.4	112.4
183.7	69.3	135.6	145.5	-	-	-	149.9	136.1	136.1	190.3	60.8	108.0	-	-	-	-	-	112.4	110.2
190.3	65.5	134.5	145.5	-	-	-	149.9	133.4	133.4	203.4	54.9	105.8	108.0	-	-	-	-	112.4	108.0
203.4	58.6	130.1	143.3	-	-	-	143.3	126.8	126.8	216.5	49.4	103.6	108.0	-	-	-	-	110.2	105.6
216.5	52.5	125.7	143.3	-	-	-	136.7	121.3	121.3	229.7	43.9	101.4	108.0	-	-	-	-	108.0	101.9
229.7	47.2	119.0	138.9	-	-	-	130.1	114.6	114.6	242.8	39.2	97.0	105.8	-	-	-	-	103.6	97.9
242.8	42.3	103.6	130.1	-	-	-	123.5	106.0	106.0	255.9	34.8	90.4	103.6	-	-	-	-	101.4	93.9
249.3	40.3	97.2	127.9	115.7	-	-	119.8	98.0	98.0	269.0	31.1	88.2	103.6	-	-	-	-	97.0	89.9
252.6	39.2	93.9	126.8	115.7	-	-	118.3	93.9	93.9	275.6	29.4	83.8	102.5	84.0	-	-	-	94.8	84.7
255.9	-	-	125.7	115.7	-	-	116.8	-	-	282.2	27.8	79.4	101.4	84.0	-	-	-	92.6	79.4
269.0	-	-	121.3	115.7	-	-	113.5	-	-	292.0	-	-	98.1	84.0	-	-	-	89.3	70.3
282.2	-	-	108.7	114.6	-	-	110.2	-	-	295.3	-	-	97.0	84.0	-	-	-	88.2	-
288.7	-	-	103.4	114.1	-	-	107.5	-	-	308.4	-	-	90.4	84.0	-	-	-	83.8	-
295.3	-	-	-	113.5	-	-	104.7	-	-	321.5	-	-	84.2	84.0	-	-	-	81.6	-
308.4	-	-	-	106.9	-	-	95.0	-	-	328.1	-	-	78.5	83.8	-	-	-	78.7	-
315.0	-	-	-	103.8	91.5	-	90.8	-	-	334.6	-	-	-	83.8	-	-	-	75.8	-
321.5	-	-	-	100.8	88.8	-	86.6	-	-	341.2	-	-	-	83.6	71.9	-	-	73.5	-
328.1	-	-	-	97.7	86.2	-	82.2	-	-	347.8	-	-	-	83.3	71.9	-	-	71.2	-
334.6	-	-	-	-	83.6	-	77.8	-	-	360.9	-	-	-	80.5	69.4	-	-	65.3	-
347.8	-	-	-	-	78.5	-	69.2	-	-	374.0	-	-	-	-	65.3	-	-	58.0	-
360.9	-	-	-	-	74.1	-	61.1	-	-	387.1	-	-	-	-	61.3	-	-	50.9	-
374.0	-	-	-	-	-	-	54.5	-	-	393.7	-	-	-	-	59.5	-	-	47.5	-
387.1	-	-	-	-	-	-	48.3	-	-	400.3	-	-	-	-	-	-	-	45.0	-
400.3	-	-	-	-	-	-	40.8	-	-	413.4	-	-	-	-	-	-	-	39.7	-
413.4	-	-	-	-	-	-	33.1	-	-	426.5	-	-	-	-	-	-	-	33.3	-
										439.6	-	-	-	-	-	-	-	26.9	-
										452.8	-	-	-	-	-	-	-	20.5	-



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° ASME B30.5									
216.5 ft + 315.0 ft					236.2 ft + 78.7 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					ft				
1,000 lb					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	-



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

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
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° ASME B30.5

236.2 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					
82.0	-	-	-	-	-	-	271.2
85.3	187.4	233.7	-	-	-	-	271.2
91.9	174.2	233.7	-	-	-	233.7	264.6
98.4	163.1	231.5	-	-	-	233.7	260.1
111.5	143.3	222.7	-	-	-	233.7	249.1
124.7	126.8	213.8	-	-	-	233.7	235.9
137.8	111.3	202.8	-	-	-	233.7	224.9
150.9	98.8	194.0	227.1	-	-	233.7	212.7
164.0	87.7	185.2	222.7	-	-	222.7	200.6
177.2	78.7	176.4	207.2	-	-	207.2	177.5
180.4	-	-	204.5	-	-	203.4	167.6
190.3	-	-	196.2	-	-	191.8	-
203.4	-	-	186.3	-	-	177.5	-
210.0	-	-	181.3	172.0	-	172.5	-
216.5	-	-	176.4	172.0	-	167.6	-
229.7	-	-	-	164.2	-	156.5	-
242.8	-	-	-	153.2	-	145.5	-
255.9	-	-	-	143.3	-	132.3	-
269.0	-	-	-	-	121.3	120.2	-
282.2	-	-	-	-	114.6	108.5	-
295.3	-	-	-	-	107.8	97.0	-
308.4	-	-	-	-	-	86.2	-
321.5	-	-	-	-	-	75.6	-
334.6	-	-	-	-	-	68.1	-
347.8	-	-	-	-	-	58.9	-
360.9	-	-	-	-	-	49.2	-

236.2 ft + 196.9 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					
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	-

236.2 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					
108.3	-	-	-	-	-	-	154.3
111.5	123.5	138.9	-	-	-	-	154.3
118.1	116.4	138.9	-	-	-	138.9	152.7
124.7	109.3	138.9	-	-	-	138.9	151.0
137.8	97.2	134.5	-	-	-	138.9	146.6
150.9	87.1	132.3	-	-	-	138.9	142.2
164.0	78.3	127.9	-	-	-	138.9	136.7
177.2	70.5	123.5	-	-	-	138.9	132.3
190.3	63.9	119.0	132.3	-	-	134.5	126.8
203.4	58.2	116.8	132.3	-	-	130.1	121.3
216.5	52.2	112.4	132.3	-	-	123.5	116.8
229.7	46.7	105.8	130.1	-	-	119.0	111.3
242.8	42.1	99.2	130.1	-	-	114.6	106.5
255.9	37.9	92.8	127.9	-	-	109.3	91.9
262.5	-	-	125.7	105.2	-	107.9	-
269.0	-	-	123.5	105.2	-	106.5	-
282.2	-	-	114.6	105.2	-	103.4	-
295.3	-	-	102.3	105.2	-	100.5	-
308.4	-	-	-	102.5	-	92.8	-
321.5	-	-	-	96.3	-	83.8	-
328.1	-	-	-	93.5	81.8	80.0	-
334.6	-	-	-	90.6	79.1	76.3	-
347.8	-	-	-	-	74.3	68.1	-
360.9	-	-	-	-	69.9	60.4	-
367.5	-	-	-	-	67.7	56.7	-
374.0	-	-	-	-	-	52.9	-
387.1	-	-	-	-	-	46.3	-
400.3	-	-	-	-	-	40.8	-
413.4	-	-	-	-	-	34.0	-
426.5	-	-	-	-	-	27.1	-
439.6	-	-	-	-	-	19.8	-

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° ASME B30.5																			
236.2 ft + 275.6 ft					236.2 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														
118.1	-	-	-	-	-	-	-	-	115.7	131.2	-	-	-	-	-	-	-	-	81.4
124.7	101.6	105.8	-	-	-	-	-	-	115.7	137.8	72.1	73.2	-	-	-	-	-	-	81.4
134.5	92.9	105.8	-	-	-	-	-	105.8	113.3	147.6	71.3	72.0	-	-	-	-	-	72.3	80.0
137.8	89.9	105.8	-	-	-	-	-	105.8	112.4	150.9	71.0	71.7	-	-	-	-	-	72.1	79.6
150.9	80.2	103.6	-	-	-	-	-	105.8	111.3	164.0	65.3	70.1	-	-	-	-	-	71.0	77.8
164.0	71.7	101.4	-	-	-	-	-	105.8	108.9	177.2	58.2	68.6	-	-	-	-	-	69.9	75.8
177.2	64.4	101.4	-	-	-	-	-	105.8	106.3	190.3	51.8	67.0	-	-	-	-	-	68.8	74.1
190.3	58.0	99.2	-	-	-	-	-	105.8	103.6	203.4	46.3	65.5	-	-	-	-	-	67.2	72.3
203.4	52.2	97.0	99.2	-	-	-	-	103.6	101.0	216.5	41.4	63.9	-	-	-	-	-	65.9	70.5
216.5	47.2	94.8	99.2	-	-	-	-	101.4	98.3	223.1	39.2	63.2	63.9	-	-	-	-	65.3	69.8
229.7	42.5	92.6	99.2	-	-	-	-	99.2	95.5	229.7	37.0	62.4	63.9	-	-	-	-	64.6	69.0
242.8	38.1	88.2	99.2	-	-	-	-	97.0	92.4	242.8	33.1	60.8	63.5	-	-	-	-	63.3	67.2
255.9	34.0	86.0	97.0	-	-	-	-	92.6	89.3	255.9	29.3	59.7	63.1	-	-	-	-	61.7	65.9
269.0	30.2	83.8	94.8	-	-	-	-	90.4	86.4	269.0	26.2	58.6	62.4	-	-	-	-	60.4	64.6
282.2	26.9	77.2	92.6	77.2	-	-	-	83.8	81.1	282.2	23.1	57.8	61.7	-	-	-	-	58.9	63.5
292.0	24.5	72.3	92.6	77.2	-	-	-	79.9	72.3	295.3	20.5	56.7	61.3	-	-	-	-	57.5	62.4
295.3	-	-	92.6	77.2	-	-	-	79.4	-	308.4	17.9	55.8	60.6	54.0	-	-	-	56.2	61.5
308.4	-	-	88.2	77.2	-	-	-	76.7	-	321.5	15.2	54.9	60.2	54.0	-	-	-	54.7	60.4
321.5	-	-	86.0	77.2	-	-	-	74.5	-	331.4	-	-	59.9	54.0	-	-	-	53.7	53.6
334.6	-	-	77.2	77.2	-	-	-	71.7	-	334.6	-	-	59.7	54.0	-	-	-	53.4	-
347.8	-	-	-	76.9	-	-	-	67.5	-	347.8	-	-	59.5	54.0	-	-	-	51.8	-
354.3	-	-	-	76.2	65.3	-	-	64.9	-	360.9	-	-	59.3	54.0	-	-	-	50.5	-
360.9	-	-	-	75.4	64.2	-	-	62.4	-	374.0	-	-	58.0	54.0	-	-	-	47.6	-
374.0	-	-	-	71.0	60.2	-	-	55.6	-	387.1	-	-	-	54.0	45.6	-	-	44.8	-
387.1	-	-	-	-	56.4	48.9	-	48.9	-	400.3	-	-	-	54.0	45.6	-	-	41.9	-
400.3	-	-	-	-	52.9	42.3	-	42.3	-	410.1	-	-	-	53.6	45.3	-	-	39.7	-
406.8	-	-	-	-	51.4	39.2	-	39.2	-	413.4	-	-	-	-	45.2	-	-	39.0	-
413.4	-	-	-	-	-	36.8	-	36.8	-	426.5	-	-	-	-	42.1	-	-	33.5	-
426.5	-	-	-	-	-	32.0	-	32.0	-	439.6	-	-	-	-	39.2	-	-	28.7	-
439.6	-	-	-	-	-	26.2	-	26.2	-	446.2	-	-	-	-	37.9	-	-	26.5	-
452.8	-	-	-	-	-	20.3	-	20.3	-	452.8	-	-	-	-	-	-	-	24.3	-
465.9	-	-	-	-	-	14.3	-	14.3	-	465.9	-	-	-	-	-	-	-	19.2	-
475.7	-	-	-	-	-	9.7	-	9.7	-	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° ASME B30.5									
255.9 ft + 118.1 ft					255.9 ft + 157.5ft				
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					ft				
1,000 lb					1,000 lb				
72.2	227.1	262.4	-	-	-	-	-	319.7	-
78.7	209.4	262.4	-	-	-	-	260.1	317.5	-
85.3	194.0	251.3	-	-	-	-	257.9	308.6	-
91.9	180.8	242.5	-	-	-	-	255.7	299.8	-
98.4	168.7	235.9	-	-	-	-	255.7	291.0	-
111.5	148.8	224.9	-	-	-	-	255.7	273.4	-
124.7	131.2	213.8	-	-	-	-	255.7	255.7	-
137.8	114.6	202.8	251.3	-	-	-	253.5	240.3	-
144.4	-	-	249.1	-	-	-	246.9	231.5	-
150.9	-	-	246.9	-	-	-	240.3	-	-
164.0	-	-	233.7	-	-	-	220.5	-	-
177.2	-	-	220.5	-	-	-	206.1	-	-
183.7	-	-	213.8	-	-	-	200.6	-	-
190.3	-	-	-	-	-	-	195.1	-	-
196.9	-	-	-	195.1	-	-	189.0	-	-
203.4	-	-	-	191.8	-	-	183.0	-	-
216.5	-	-	-	178.6	-	-	172.0	-	-
229.7	-	-	-	166.4	-	-	156.5	-	-
242.8	-	-	-	-	-	-	141.1	-	-
249.3	-	-	-	-	136.7	-	134.5	-	-
255.9	-	-	-	-	132.3	-	127.9	-	-
269.0	-	-	-	-	124.6	-	114.6	-	-
282.2	-	-	-	-	-	-	103.2	-	-
295.3	-	-	-	-	-	-	91.3	-	-
308.4	-	-	-	-	-	-	79.8	-	-
321.5	-	-	-	-	-	-	72.1	-	-
334.6	-	-	-	-	-	-	61.5	-	-
85.3	180.8	207.2	-	-	-	-	-	242.5	-
91.9	168.7	207.2	-	-	-	-	-	205.0	240.3
98.4	157.6	205.0	-	-	-	-	-	205.0	235.9
111.5	137.8	194.0	-	-	-	-	-	205.0	227.1
124.7	123.5	185.2	-	-	-	-	-	205.0	216.1
137.8	110.2	176.4	-	-	-	-	-	205.0	206.1
150.9	97.4	167.6	-	-	-	-	-	205.0	195.1
157.5	91.9	164.2	198.4	-	-	-	-	202.8	190.1
164.0	86.4	160.9	198.4	-	-	-	-	200.6	185.2
177.2	77.6	156.5	194.0	-	-	-	-	189.6	175.3
180.4	-	-	192.4	-	-	-	-	186.8	173.1
190.3	-	-	187.4	-	-	-	-	178.6	-
203.4	-	-	180.8	-	-	-	-	167.6	-
216.5	-	-	172.0	-	-	-	-	158.7	-
223.1	-	-	167.6	156.5	-	-	-	153.2	-
229.7	-	-	-	155.4	-	-	-	147.7	-
242.8	-	-	-	147.7	-	-	-	138.9	-
255.9	-	-	-	137.8	-	-	-	127.9	-
269.0	-	-	-	129.0	-	-	-	115.7	-
275.6	-	-	-	-	111.3	-	-	111.0	-
282.2	-	-	-	-	108.7	-	-	106.0	-
295.3	-	-	-	-	102.1	-	-	95.2	-
305.1	-	-	-	-	97.4	-	-	87.6	-
308.4	-	-	-	-	-	-	-	85.1	-
321.5	-	-	-	-	-	-	-	75.2	-
334.6	-	-	-	-	-	-	-	65.9	-
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

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° ASME B30.5																			
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														
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°														
ft					ft														
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	183.8	121.4	107.8	119.0	-	-	-	-	-	119.0	139.4
111.5	127.9	160.9	-	-	-	-	154.3	183.0	183.0	124.7	105.2	119.0	-	-	-	-	-	119.0	138.9
124.7	113.5	154.3	-	-	-	-	154.3	176.4	176.4	137.8	93.5	114.6	-	-	-	-	-	119.0	135.6
137.8	101.6	147.7	-	-	-	-	154.3	169.8	169.8	150.9	83.6	112.4	-	-	-	-	-	119.0	131.2
150.9	91.3	143.3	-	-	-	-	154.3	163.1	163.1	164.0	75.2	108.0	-	-	-	-	-	119.0	126.8
164.0	82.5	136.7	-	-	-	-	154.3	156.5	156.5	177.2	67.7	105.8	-	-	-	-	-	119.0	122.4
170.6	78.6	134.5	154.3	-	-	-	154.3	152.7	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	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	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	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	125.7	242.8	41.0	90.4	110.2	-	-	-	-	105.8	101.6
219.8	-	-	143.3	-	-	-	132.8	119.0	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	-



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° ASME B30.5									
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				
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°				
ft 1,000 lb					ft 1,000 lb				
75.5	-	235.9	-	-	-	-	-	-	284.4
78.7	201.7	233.7	-	-	-	231.5	284.4	-	-
85.3	187.4	227.1	-	-	-	231.5	275.6	-	-
91.9	174.2	220.5	-	-	-	229.3	269.0	-	-
98.4	163.1	212.7	-	-	-	229.3	260.1	-	-
111.5	143.3	200.6	-	-	-	229.3	244.7	-	-
124.7	127.9	191.8	-	-	-	227.1	231.5	-	-
137.8	113.5	183.0	-	-	-	224.9	218.3	-	-
144.4	-	-	220.5	-	-	221.6	211.6	-	-
150.9	-	-	220.5	-	-	218.3	-	-	-
164.0	-	-	209.4	-	-	202.8	-	-	-
177.2	-	-	198.4	-	-	189.6	-	-	-
190.3	-	-	189.6	-	-	179.7	-	-	-
203.4	-	-	-	172.0	-	170.9	-	-	-
216.5	-	-	-	167.6	-	162.0	-	-	-
229.7	-	-	-	156.5	-	151.0	-	-	-
236.2	-	-	-	151.0	-	143.9	-	-	-
242.8	-	-	-	-	-	136.7	-	-	-
255.9	-	-	-	-	-	123.5	-	-	-
262.5	-	-	-	-	120.2	117.4	-	-	-
269.0	-	-	-	-	116.8	111.3	-	-	-
275.6	-	-	-	-	112.4	105.7	-	-	-
282.2	-	-	-	-	-	100.1	-	-	-
295.3	-	-	-	-	-	89.1	-	-	-
308.4	-	-	-	-	-	78.5	-	-	-
321.5	-	-	-	-	-	68.3	-	-	-
334.6	-	-	-	-	-	61.1	-	-	-
347.8	-	-	-	-	-	51.8	-	-	-
360.9	-	-	-	-	-	42.1	-	-	-
85.3	174.2	181.9	-	-	-	-	220.5	-	-
91.9	162.0	181.9	-	-	-	-	178.6	219.4	-
98.4	151.0	175.3	-	-	-	-	178.6	215.0	-
111.5	133.4	167.6	-	-	-	-	178.6	205.0	-
124.7	117.9	158.7	-	-	-	-	178.6	195.1	-
137.8	106.5	152.1	-	-	-	-	176.4	186.3	-
150.9	96.1	145.5	-	-	-	-	174.2	177.5	-
157.5	91.3	143.3	172.0	-	-	-	174.2	173.1	-
164.0	86.4	141.1	172.0	-	-	-	174.2	168.7	-
177.2	77.4	134.5	169.8	-	-	-	165.3	159.8	-
183.7	-	-	166.4	-	-	-	160.9	156.5	-
190.3	-	-	163.1	-	-	-	156.5	-	-
203.4	-	-	158.7	-	-	-	147.7	-	-
216.5	-	-	149.9	-	-	-	140.0	-	-
229.7	-	-	143.3	134.5	-	-	135.6	-	-
242.8	-	-	-	130.1	-	-	130.1	-	-
255.9	-	-	-	124.6	-	-	123.5	-	-
269.0	-	-	-	116.8	-	-	112.4	-	-
275.6	-	-	-	113.5	-	-	107.1	-	-
282.2	-	-	-	-	-	-	101.9	-	-
288.7	-	-	-	-	99.2	-	97.2	-	-
295.3	-	-	-	-	96.1	-	92.6	-	-
308.4	-	-	-	-	90.2	-	82.9	-	-
315.0	-	-	-	-	87.5	-	78.4	-	-
321.5	-	-	-	-	-	-	73.9	-	-
334.6	-	-	-	-	-	-	65.0	-	-
347.8	-	-	-	-	-	-	56.4	-	-
360.9	-	-	-	-	-	-	50.3	-	-
374.0	-	-	-	-	-	-	42.5	-	-
387.1	-	-	-	-	-	-	34.6	-	-
397.0	-	-	-	-	-	-	28.7	-	-



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°		ASME B30.5	
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					
85° 85° 75° 65° 55° 15° 85°						85° 85° 75° 65° 55° 15° 85°					
ft						ft					
1,000 lb						1,000 lb					
98.4	135.6	141.1	-	-	-	111.5	105.8	108.0	-	-	-
108.3	125.7	141.1	-	-	-	124.7	100.5	108.0	-	-	-
111.5	122.4	141.1	-	-	-	137.8	89.3	105.8	-	-	-
124.7	108.9	136.7	-	-	-	150.9	79.8	103.6	-	-	-
137.8	97.2	130.1	-	-	-	164.0	71.7	99.2	-	-	-
150.9	87.5	125.7	-	-	-	177.2	64.6	97.0	-	-	-
164.0	78.9	121.3	-	-	-	190.3	58.4	92.6	-	-	-
177.2	71.7	114.6	132.3	-	-	196.9	55.7	91.5	103.6	-	-
190.3	65.3	110.2	132.3	-	-	203.4	52.9	90.4	103.6	-	-
203.4	59.3	105.8	130.1	-	-	216.5	48.1	86.0	101.4	-	-
216.5	53.6	101.4	127.9	-	-	229.7	43.7	83.8	101.4	-	-
219.8	-	-	126.8	-	-	242.8	39.7	81.6	99.2	-	-
229.7	-	-	123.5	-	-	255.9	35.7	79.4	97.0	-	-
242.8	-	-	119.0	-	-	259.2	-	-	96.5	-	-
249.3	-	-	116.8	102.7	-	269.0	-	-	94.8	-	-
255.9	-	-	114.6	102.5	-	275.6	-	-	92.6	78.0	-
269.0	-	-	108.0	100.8	-	282.2	-	-	90.4	78.0	-
282.2	-	-	-	96.8	-	295.3	-	-	88.2	77.4	-
295.3	-	-	-	92.4	-	305.1	-	-	86.0	75.9	-
308.4	-	-	-	87.5	-	308.4	-	-	-	75.4	-
315.0	-	-	-	85.1	-	321.5	-	-	-	73.0	-
321.5	-	-	-	-	78.0	334.6	-	-	-	69.7	-
334.6	-	-	-	-	73.2	347.8	-	-	-	66.4	62.2
347.8	-	-	-	-	68.8	360.9	-	-	-	-	59.1
354.3	-	-	-	-	66.6	374.0	-	-	-	-	55.3
360.9	-	-	-	-	-	387.1	-	-	-	-	51.8
374.0	-	-	-	-	-	393.7	-	-	-	-	50.0
387.1	-	-	-	-	-	400.3	-	-	-	-	-
400.3	-	-	-	-	-	413.4	-	-	-	-	-
413.4	-	-	-	-	-	426.5	-	-	-	-	-
426.5	-	-	-	-	-	439.6	-	-	-	-	-
					19.8	452.8	-	-	-	-	-
					-	462.6	-	-	-	-	-
					-					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° ASME B30.5																			
275.6 ft + 275.6 ft					275.6 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					ft														
1,000 lb					1,000 lb														
121.4	-	-	-	-	-	-	-	-	98.1	134.5	-	-	-	-	-	-	-	-	69.4
124.7	83.8	88.2	-	-	-	-	-	-	98.1	137.8	59.1	60.6	-	-	-	-	-	-	69.4
137.8	82.0	88.2	-	-	-	-	83.8	96.6	96.6	150.9	58.4	59.7	-	-	-	-	-	-	69.2
150.9	73.0	86.0	-	-	-	-	83.8	94.6	94.6	164.0	57.3	58.6	-	-	-	-	-	-	68.8
164.0	65.0	83.8	-	-	-	-	83.8	92.4	92.4	177.2	52.0	56.9	-	-	-	-	-	-	67.0
177.2	58.2	81.6	-	-	-	-	83.8	89.9	89.9	190.3	46.3	55.1	-	-	-	-	-	-	65.3
190.3	52.2	79.4	-	-	-	-	83.8	87.3	87.3	203.4	41.0	53.1	-	-	-	-	-	-	63.7
203.4	47.0	77.2	-	-	-	-	83.8	84.9	84.9	216.5	36.6	51.4	-	-	-	-	-	-	62.2
216.5	42.1	75.0	81.6	-	-	-	83.8	82.2	82.2	229.7	32.4	49.4	-	-	-	-	-	-	60.6
229.7	37.9	72.8	81.6	-	-	-	81.6	79.6	79.6	236.2	30.5	48.5	51.8	-	-	-	-	-	59.9
242.8	34.2	70.5	81.6	-	-	-	81.6	76.9	76.9	242.8	28.7	47.6	51.8	-	-	-	-	-	59.1
255.9	30.6	68.3	81.6	-	-	-	79.4	74.3	74.3	255.9	25.4	45.6	51.6	-	-	-	-	-	57.5
269.0	27.6	63.9	79.4	-	-	-	77.2	71.7	71.7	269.0	22.3	44.1	50.9	-	-	-	-	-	55.8
282.2	24.7	61.7	77.2	-	-	-	75.0	69.0	69.0	282.2	19.4	42.3	49.8	-	-	-	-	-	54.2
295.3	22.3	59.5	77.2	-	-	-	70.5	66.6	66.6	295.3	16.8	40.6	48.5	-	-	-	-	-	52.7
298.6	-	-	76.6	-	-	-	68.3	65.9	65.9	308.4	14.3	39.0	47.0	-	-	-	-	-	50.9
301.8	-	-	76.1	58.4	-	-	67.2	-	-	321.5	12.3	37.3	46.3	-	-	-	-	-	49.4
308.4	-	-	75.0	58.4	-	-	66.1	-	-	328.1	11.4	36.4	46.3	41.0	-	-	-	-	48.5
321.5	-	-	72.8	58.4	-	-	63.9	-	-	334.6	10.4	35.5	46.3	41.0	-	-	-	-	47.6
334.6	-	-	68.3	57.5	-	-	57.3	-	-	347.8	-	-	44.1	41.0	-	-	-	-	40.3
341.2	-	-	54.5	56.9	-	-	55.1	-	-	360.9	-	-	41.9	40.6	-	-	-	-	38.8
347.8	-	-	-	56.2	-	-	52.9	-	-	374.0	-	-	41.9	40.1	-	-	-	-	37.5
360.9	-	-	-	54.5	-	-	50.3	-	-	380.6	-	-	38.6	39.8	-	-	-	-	36.5
374.0	-	-	-	52.2	-	-	47.2	-	-	387.1	-	-	-	39.5	-	-	-	-	35.5
380.6	-	-	-	51.3	46.1	-	45.4	-	-	400.3	-	-	-	38.4	-	-	-	-	33.1
387.1	-	-	-	50.3	46.1	43.9	43.9	-	-	406.8	-	-	-	37.7	31.5	-	-	-	31.9
400.3	-	-	-	-	43.9	38.4	38.4	-	-	413.4	-	-	-	37.0	31.5	-	-	-	30.6
413.4	-	-	-	-	41.0	32.6	32.6	-	-	426.5	-	-	-	35.7	31.3	-	-	-	28.0
426.5	-	-	-	-	38.1	27.1	27.1	-	-	439.6	-	-	-	-	29.8	-	-	-	22.9
433.1	-	-	-	-	36.8	24.9	24.9	-	-	452.8	-	-	-	-	27.3	-	-	-	18.7
439.6	-	-	-	-	-	22.7	22.7	-	-	465.9	-	-	-	-	25.1	-	-	-	14.3
452.8	-	-	-	-	-	17.6	17.6	-	-	479.0	-	-	-	-	-	-	-	-	9.9
465.9	-	-	-	-	-	12.8	12.8	-	-										
475.7	-	-	-	-	-	9.0	9.0	-	-										



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° ASME B30.5									
295.3 ft + 118.1 ft					295.3 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				
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°				
ft 1,000 lb					ft 1,000 lb				
75.5	-	-	-	-	-	-	-	-	246.9
78.7	194.0	201.7	-	-	-	-	-	-	246.9
85.3	179.7	195.1	-	-	-	-	-	-	240.3
91.9	167.6	189.6	-	-	-	-	-	-	233.7
98.4	156.5	184.1	-	-	-	-	-	-	224.9
111.5	138.9	172.0	-	-	-	-	-	-	212.7
124.7	123.5	162.0	-	-	-	-	-	-	199.5
137.8	111.3	152.1	-	-	-	-	-	-	186.3
144.4	-	-	175.3	-	-	-	-	-	180.4
147.6	-	-	175.3	-	-	-	-	-	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	-	-	87.7
308.4	-	-	-	-	-	-	77.8	-	77.8
321.5	-	-	-	-	-	-	-	68.3	68.3
334.6	-	-	-	-	-	-	-	-	59.5
347.8	-	-	-	-	-	-	-	-	52.5
360.9	-	-	-	-	-	-	-	-	44.1
374.0	-	-	-	-	-	-	-	-	35.5
82.0	148.8	-	-	-	-	-	-	-	-
85.3	148.8	-	-	-	-	-	-	-	-
88.6	148.8	153.2	-	-	-	-	-	-	189.6
91.9	148.8	155.4	-	-	-	-	-	-	189.6
98.4	145.5	151.0	-	-	-	-	-	-	186.3
111.5	127.9	143.3	-	-	-	-	-	-	149.9
124.7	113.5	135.6	-	-	-	-	-	-	147.7
137.8	102.3	129.0	-	-	-	-	-	-	144.4
150.9	92.4	121.3	-	-	-	-	-	-	141.1
160.8	86.1	117.1	132.3	-	-	-	-	-	137.8
164.0	84.0	115.7	134.5	-	-	-	-	-	136.7
177.2	76.7	109.8	132.3	-	-	-	-	-	132.3
183.7	-	-	129.0	-	-	-	-	-	130.1
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



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° ASME B30.5									
295.3 ft + 196.9 ft					295.3 ft + 236.2 ft				
SWSL_1					SWSL_1				
SFSL_1					SFSL_1				
SWSL_2					SWSL_2				
0 lb - 661,500 lb					0 lb - 661,500 lb				
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°				
ft					ft				
1,000 lb					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	-	-	81.5	81.5	-	-	89.3	-	-
282.2	-	-	79.1	79.1	-	-	86.0	-	-
295.3	-	-	75.4	75.4	-	-	79.4	-	-
308.4	-	-	71.4	71.4	-	-	71.0	-	-
321.5	-	-	67.2	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	-	-
108.3	88.4	91.1	-	-	-	-	-	-	-
111.5	89.5	92.2	-	-	-	-	-	-	112.4
124.7	88.6	90.4	-	-	-	-	-	-	110.2
137.8	85.3	87.1	-	-	-	-	-	-	89.3
150.9	76.1	83.8	-	-	-	-	-	-	88.0
164.0	68.3	80.0	-	-	-	-	-	-	86.6
177.2	61.5	76.1	-	-	-	-	-	-	84.7
190.3	55.6	72.3	-	-	-	-	-	-	83.8
200.1	51.6	69.8	77.6	-	-	-	-	-	82.1
203.4	50.3	69.0	81.6	-	-	-	-	-	81.6
216.5	45.4	66.1	81.6	-	-	-	-	-	81.6
229.7	41.2	63.9	79.4	-	-	-	-	-	79.4
242.8	37.5	61.7	77.2	-	-	-	-	-	77.2
255.9	34.2	59.5	75.0	-	-	-	-	-	75.0
259.2	-	-	74.4	-	-	-	-	-	74.4
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° ASME B30.5									
295.3 ft + 275.6 ft					295.3 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					ft				
1,000 lb					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	50.5	-
164.0	61.7	64.6	-	-	-	67.5	79.8	49.8	-
177.2	55.1	61.9	-	-	-	66.1	77.4	48.9	-
190.3	49.4	59.1	-	-	-	64.8	74.5	48.5	-
203.4	44.3	56.4	-	-	-	63.9	71.9	48.5	-
216.5	39.7	53.8	58.2	-	-	63.9	69.2	48.5	-
229.7	35.7	52.9	61.7	-	-	61.7	66.6	48.0	-
242.8	32.0	50.7	61.7	-	-	61.7	64.2	46.3	-
255.9	28.7	48.5	59.5	-	-	59.5	61.7	46.3	-
269.0	25.6	46.3	59.5	-	-	57.3	59.3	44.1	-
282.2	22.7	44.1	57.3	-	-	57.3	56.9	44.1	-
295.3	20.3	41.9	55.1	-	-	55.1	54.5	41.9	-
298.6	-	-	54.6	-	-	55.1	53.8	41.9	-
308.4	-	-	52.9	45.6	-	55.1	-	39.7	-
321.5	-	-	50.7	45.2	-	52.9	-	39.7	-
334.6	-	-	47.4	44.3	-	50.7	-	39.7	-
347.8	-	-	40.8	42.8	-	48.5	-	37.5	-
360.9	-	-	-	41.2	-	41.9	-	37.5	-
374.0	-	-	-	39.5	-	37.5	-	35.3	-
387.1	-	-	-	37.5	32.8	34.2	-	33.1	-
397.0	-	-	-	36.2	32.8	32.4	-	23.6	-
400.3	-	-	-	-	32.8	31.7	-	19.0	-
413.4	-	-	-	-	32.0	29.3	-	17.0	-
426.5	-	-	-	-	30.6	24.5	-	15.0	-
439.6	-	-	-	-	28.9	19.8	-	12.7	-
452.8	-	-	-	-	-	15.2	-	10.4	-
465.9	-	-	-	-	-	10.6	-	9.3	-
469.2	-	-	-	-	-	9.3	-	-	-
131.2	49.4	50.9	-	-	-	-	-	-	-
137.8	50.3	52.0	-	-	-	-	-	-	-
150.9	49.4	50.9	-	-	-	-	-	-	-
164.0	47.8	49.2	-	-	-	-	-	-	-
177.2	46.1	47.2	-	-	-	-	-	-	-
190.3	43.4	45.2	-	-	-	-	-	-	-
203.4	38.4	44.1	-	-	-	-	-	-	-
216.5	34.0	41.9	-	-	-	-	-	-	-
229.7	30.0	39.7	-	-	-	-	-	-	-
232.9	29.1	39.7	40.8	-	-	-	-	-	-
242.8	26.5	39.7	46.3	-	-	-	-	-	-
255.9	23.1	37.5	46.3	-	-	-	-	-	-
269.0	20.1	35.3	44.1	-	-	-	-	-	-
282.2	17.4	35.3	44.1	-	-	-	-	-	-
295.3	15.0	33.1	41.9	-	-	-	-	-	-
308.4	12.6	30.9	41.9	-	-	-	-	-	-
321.5	10.6	28.7	39.7	-	-	-	-	-	-
331.4	9.0	28.7	38.9	-	-	-	-	-	-
334.6	-	28.7	38.6	30.2	-	-	-	-	-
347.8	-	-	37.5	30.2	-	-	-	-	-
360.9	-	-	36.4	29.8	-	-	-	-	-
374.0	-	-	34.2	28.9	-	-	-	-	-
387.1	-	-	26.2	27.8	-	-	-	-	-
400.3	-	-	-	26.7	-	-	-	-	-
413.4	-	-	-	25.4	-	-	-	-	-
419.9	-	-	-	24.8	19.8	-	-	-	-
426.5	-	-	-	24.0	19.8	-	-	-	-
433.1	-	-	-	23.4	19.7	-	-	-	-
439.6	-	-	-	-	19.6	-	-	-	-
442.9	-	-	-	-	19.5	-	-	-	-
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° ASME B30.5							
315.0 ft + 118.1 ft							
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						
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	-
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	-	-	-	-	-	65.4	-
321.5	-	-	-	-	63.7	63.1	-
334.6	-	-	-	-	62.6	58.6	-
341.2	-	-	-	-	58.2	56.0	-
347.8	-	-	-	-	56.0	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	-

	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° ASME B30.5															
315.0 ft + 196.9 ft					315.0 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					ft										
1,000 lb					1,000 lb										
101.7	101.6	103.8	-	-	-	-	132.3	111.5	-	79.8	-	-	-	-	-
111.5	101.6	104.1	-	-	-	104.3	130.1	114.8	78.0	79.8	-	-	-	-	101.0
124.7	97.2	99.4	-	-	-	102.3	124.6	124.7	78.0	80.2	-	-	-	80.0	99.4
137.8	89.1	94.8	-	-	-	100.3	119.0	137.8	75.2	77.2	-	-	-	78.7	96.1
150.9	79.8	89.9	-	-	-	98.3	113.5	150.9	72.3	73.9	-	-	-	77.2	92.6
164.0	72.1	85.3	-	-	-	95.5	108.5	164.0	64.6	70.3	-	-	-	75.4	89.1
177.2	65.3	80.9	-	-	-	94.8	103.2	177.2	58.2	66.8	-	-	-	73.4	85.3
187.0	60.8	78.1	86.2	-	-	93.1	99.5	190.3	52.2	63.3	-	-	-	72.8	81.8
190.3	59.3	77.2	90.4	-	-	92.6	98.3	203.4	47.4	60.0	65.0	-	-	72.8	78.3
203.4	54.0	73.4	90.4	-	-	90.4	93.5	216.5	42.8	57.3	70.5	-	-	70.5	75.0
216.5	49.4	69.4	88.2	-	-	88.2	88.6	229.7	38.8	55.1	68.3	-	-	68.3	71.7
223.1	-	-	86.0	-	-	87.1	86.2	242.8	35.1	52.9	66.1	-	-	66.1	68.1
229.7	-	-	83.8	-	-	86.0	-	255.9	31.7	50.7	63.9	-	-	66.1	64.8
242.8	-	-	81.6	-	-	81.6	-	262.5	-	-	62.8	-	-	65.0	63.3
255.9	-	-	77.2	-	-	79.4	-	269.0	-	-	61.7	-	-	63.9	-
269.0	-	-	72.8	66.1	-	77.2	-	282.2	-	-	59.5	-	-	61.7	-
275.6	-	-	63.3	65.4	-	76.1	-	295.3	-	-	57.3	49.2	-	59.5	-
282.2	-	-	-	64.6	-	75.0	-	308.4	-	-	55.1	48.3	-	57.3	-
295.3	-	-	-	61.1	-	72.8	-	315.0	-	-	45.4	47.1	-	56.2	-
308.4	-	-	-	57.3	-	66.1	-	321.5	-	-	-	45.9	-	55.1	-
321.5	-	-	-	53.6	-	57.3	-	334.6	-	-	-	43.2	-	50.7	-
328.1	-	-	-	51.6	-	54.0	-	347.8	-	-	-	40.6	-	41.9	-
334.6	-	-	-	-	-	50.7	-	360.9	-	-	-	37.9	-	37.5	-
341.2	-	-	-	-	45.4	48.3	-	367.5	-	-	-	36.6	-	35.3	-
347.8	-	-	-	-	45.4	45.9	-	374.0	-	-	-	-	32.0	33.1	-
360.9	-	-	-	-	42.5	42.3	-	387.1	-	-	-	-	30.6	30.2	-
374.0	-	-	-	-	39.5	38.8	-	400.3	-	-	-	-	28.4	27.3	-
387.1	-	-	-	-	-	34.0	-	413.4	-	-	-	-	26.2	24.5	-
400.3	-	-	-	-	-	28.4	-	426.5	-	-	-	-	-	19.8	-
413.4	-	-	-	-	-	22.9	-	439.6	-	-	-	-	-	14.8	-
426.5	-	-	-	-	-	17.2	-	452.8	-	-	-	-	-	9.9	-
439.6	-	-	-	-	-	11.7	-								
446.2	-	-	-	-	-	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° ASME B30.5									
315.0 ft + 275.6 ft					315.0 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					ft				
1,000 lb					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	-	-	-	-

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° ASME B30.5							
334.6 ft + 118.1 ft							
SWSL_1				SFSL_1	SWSL_2		
0 lb		0 lb - 661,500 lb					
ft		1,000 lb					
	85°	85°	75°	65°	55°	15°	85°
78.7	176.4	186.3	-	-	-	-	-
85.3	164.2	183.0	-	-	-	-	-
91.9	153.2	177.5	-	-	-	-	-
98.4	143.3	172.0	-	-	-	-	-
111.5	126.8	160.9	-	-	-	-	-
124.7	113.5	151.0	-	-	-	-	-
137.8	102.5	141.1	-	-	-	-	-
150.9	93.3	131.2	-	-	-	-	-
154.2	-	-	148.8	-	-	-	-
164.0	-	-	145.5	-	-	-	-
177.2	-	-	135.6	-	-	-	-
190.3	-	-	125.7	-	-	-	-
203.4	-	-	115.7	-	-	-	-
206.7	-	-	112.4	-	-	-	-
226.4	-	-	-	107.6	-	-	-
229.7	-	-	-	107.6	-	-	-
242.8	-	-	-	101.6	-	-	-
255.9	-	-	-	93.3	-	-	-
262.5	-	-	-	89.3	-	-	-
292.0	-	-	-	-	74.1	-	-
295.3	-	-	-	-	74.1	-	-
308.4	-	-	-	-	69.4	-	-
315.0	-	-	-	-	66.4	-	-

334.6 ft + 196.9 ft							
SWSL_1				SFSL_1	SWSL_2		
0 lb		0 lb - 661,500 lb					
ft		1,000 lb					
	85°	85°	75°	65°	55°	15°	85°
105.0	106.5	110.2	-	-	-	-	-
111.5	106.5	109.8	-	-	-	-	-
124.7	94.4	104.5	-	-	-	-	-
137.8	84.2	99.4	-	-	-	-	-
150.9	75.4	94.4	-	-	-	-	-
164.0	67.9	89.3	-	-	-	-	-
177.2	61.5	84.2	-	-	-	-	-
190.3	55.8	80.0	-	-	-	-	-
193.6	54.5	78.9	86.9	-	-	-	-
203.4	50.7	75.6	85.8	-	-	-	-
216.5	46.3	71.2	81.8	-	-	-	-
226.4	43.4	67.9	78.5	-	-	-	-
229.7	-	-	77.4	-	-	-	-
242.8	-	-	73.0	-	-	-	-
255.9	-	-	68.6	-	-	-	-
269.0	-	-	64.2	-	-	-	-
275.6	-	-	61.9	60.6	-	-	-
282.2	-	-	59.7	60.6	-	-	-
295.3	-	-	-	58.0	-	-	-
308.4	-	-	-	54.2	-	-	-
321.5	-	-	-	50.3	-	-	-
334.6	-	-	-	46.5	-	-	-
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	-	-

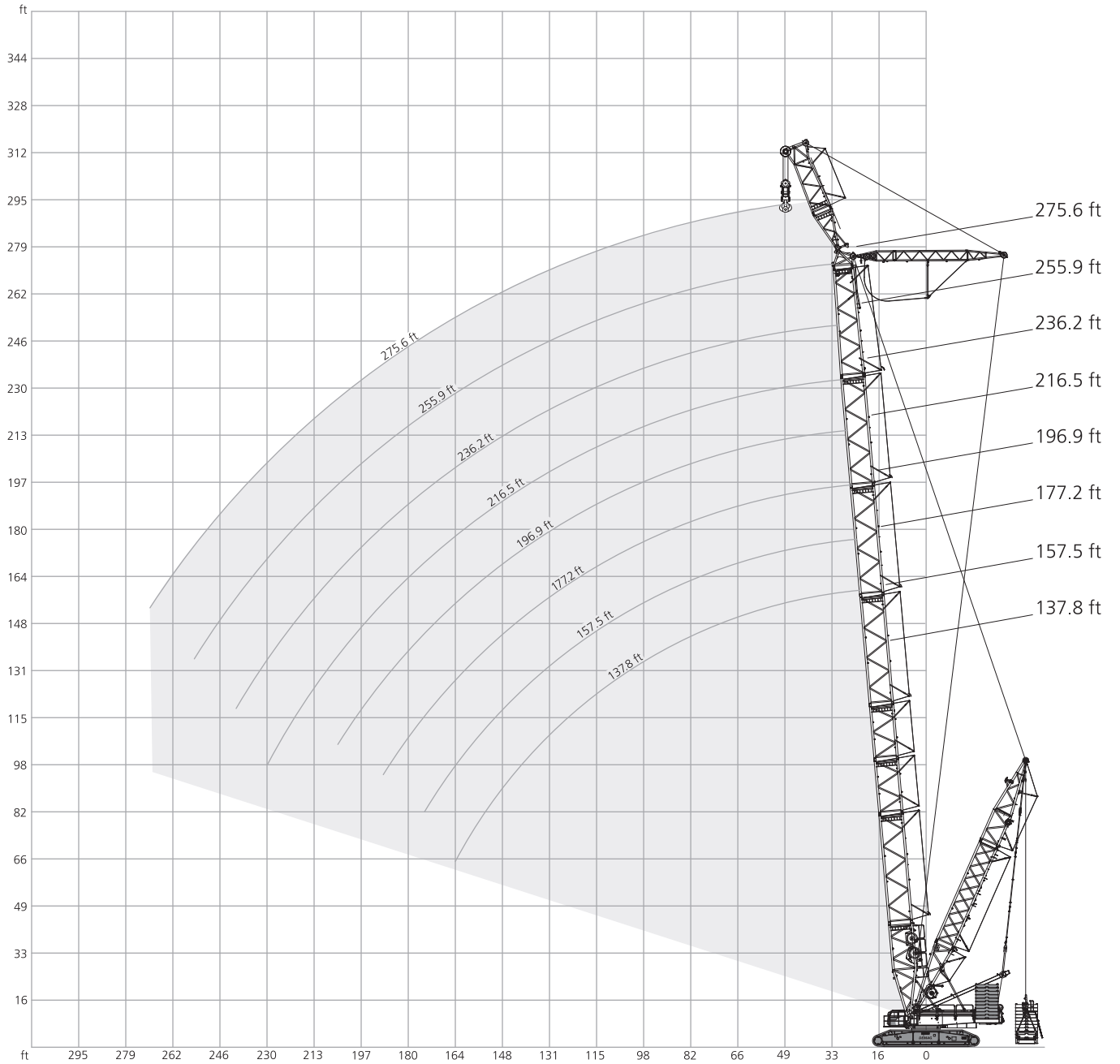




Main boom angle 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

396,900 lb + 132,300 lb 36.1-49.2 ft 27.6 ft 32.2 ft /s 360° ASME B30.5									
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				
85° 85° 75° 65° 55° 15° 85°					85° 85° 75° 65° 55° 15° 85°				
ft					ft				
1,000 lb					1,000 lb				
91.9	121.3	126.8	-	-	-	-	-	-	-
98.4	121.3	126.8	-	-	-	-	-	-	-
111.5	110.2	119.0	-	-	-	-	-	-	-
124.7	98.8	112.4	-	-	-	-	-	-	-
137.8	88.4	106.5	-	-	-	-	-	-	-
150.9	79.8	99.9	-	-	-	-	-	-	-
164.0	72.3	94.1	-	-	-	-	-	-	-
177.2	65.9	88.6	-	-	-	-	-	-	-
180.4	64.5	87.2	95.9	-	-	-	-	-	-
190.3	60.4	82.9	94.8	-	-	-	-	-	-
203.4	-	-	88.8	-	-	-	-	-	-
216.5	-	-	83.1	-	-	-	-	-	-
229.7	-	-	77.4	-	-	-	-	-	-
242.8	-	-	71.7	-	-	-	-	-	-
249.3	-	-	69.0	-	-	-	-	-	-
259.2	-	-	-	64.8	-	-	-	-	-
269.0	-	-	-	63.7	-	-	-	-	-
282.2	-	-	-	59.1	-	-	-	-	-
295.3	-	-	-	54.5	-	-	-	-	-
308.4	-	-	-	49.8	-	-	-	-	-
334.6	-	-	-	-	37.3	-	-	-	-
347.8	-	-	-	-	35.7	-	-	-	-
360.9	-	-	-	-	32.2	-	-	-	-
364.2	-	-	-	-	31.3	-	-	-	-
105.0	92.6	96.8	-	-	-	-	-	-	-
111.5	92.6	96.8	-	-	-	-	-	-	-
124.7	89.3	92.4	-	-	-	-	-	-	-
137.8	79.6	87.7	-	-	-	-	-	-	-
150.9	71.2	82.9	-	-	-	-	-	-	-
164.0	64.2	78.3	-	-	-	-	-	-	-
177.2	57.8	73.4	-	-	-	-	-	-	-
190.3	52.5	69.7	-	-	-	-	-	-	-
196.9	50.0	67.8	73.4	-	-	-	-	-	-
203.4	47.6	65.9	73.4	-	-	-	-	-	-
216.5	43.2	62.2	69.9	-	-	-	-	-	-
226.4	40.3	59.3	66.9	-	-	-	-	-	-
229.7	-	-	65.9	-	-	-	-	-	-
242.8	-	-	61.7	-	-	-	-	-	-
255.9	-	-	57.8	-	-	-	-	-	-
269.0	-	-	53.8	-	-	-	-	-	-
282.2	-	-	49.8	-	-	-	-	-	-
285.4	-	-	48.8	46.5	-	-	-	-	-
288.7	-	-	47.8	46.2	-	-	-	-	-
295.3	-	-	-	45.6	-	-	-	-	-
308.4	-	-	-	42.3	-	-	-	-	-
321.5	-	-	-	39.0	-	-	-	-	-
334.6	-	-	-	35.7	-	-	-	-	-
347.8	-	-	-	32.4	-	-	-	-	-
360.9	-	-	-	-	23.4	-	-	-	-
374.0	-	-	-	-	22.7	-	-	-	-
387.1	-	-	-	-	20.3	-	-	-	-
400.3	-	-	-	-	18.1	-	-	-	-

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



																			
																			
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	
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.

Ratings are in compliance with ASME B 30.5.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.

Consult operation manual for further details.

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

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

A large rectangular area with horizontal lines, intended for taking notes.

September 2020. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Tadano makes no other warranty, express or implied. All rights reserved. Products and services listed may be trademarks, service marks or trade-names of Tadano Ltd.

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Tadano Demag GmbH
Europa Allee 2
66482 Zweibrücken
Germany
T +49 6332 830

info.demag@tadano.com
www.demagmobilecranes.com



Tadano Ltd. (International Division)
4-12, Kamezawa 2-chome
Sumida-ku Tokyo 130-0014, Japan
E info@tadano.com T 81-3-3621-7750
www.tadano.com