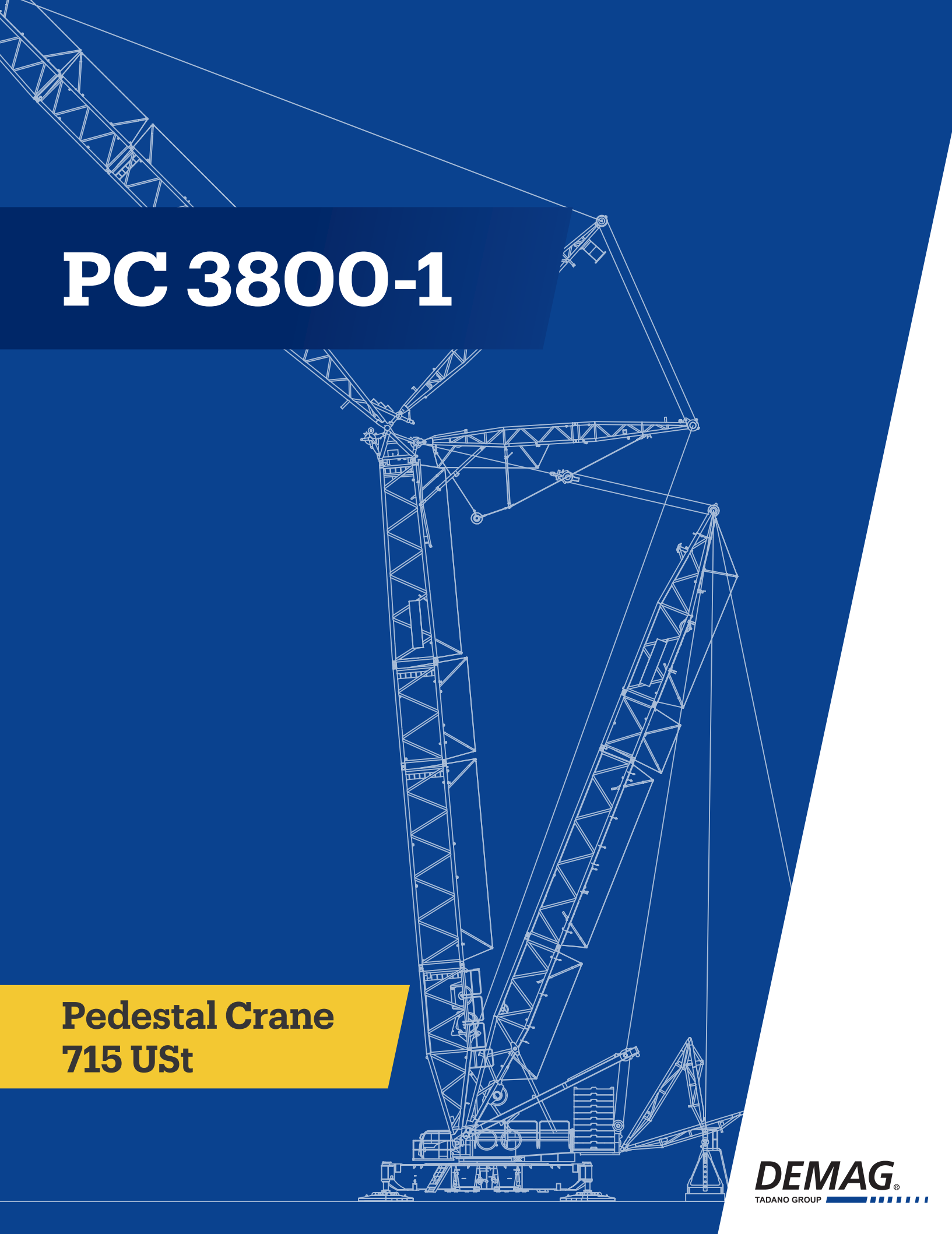


PC 3800-1

A white line-art illustration of a large pedestal crane, the PC 3800-1, is set against a solid blue background. The crane is shown in a partially extended position, with its long lattice boom reaching upwards and outwards. The base of the crane is a complex structure with multiple support legs and a central platform. The illustration is composed of clean, white lines that define the structural components of the crane, including the lattice boom, the pedestal, and the various pulleys and cables. The background is a deep blue, and there is a white diagonal shape on the right side of the image.

**Pedestal Crane
715 USt**

DEMAG®
TADANO GROUP

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Lifting capacities on outriggers



Counterweight



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

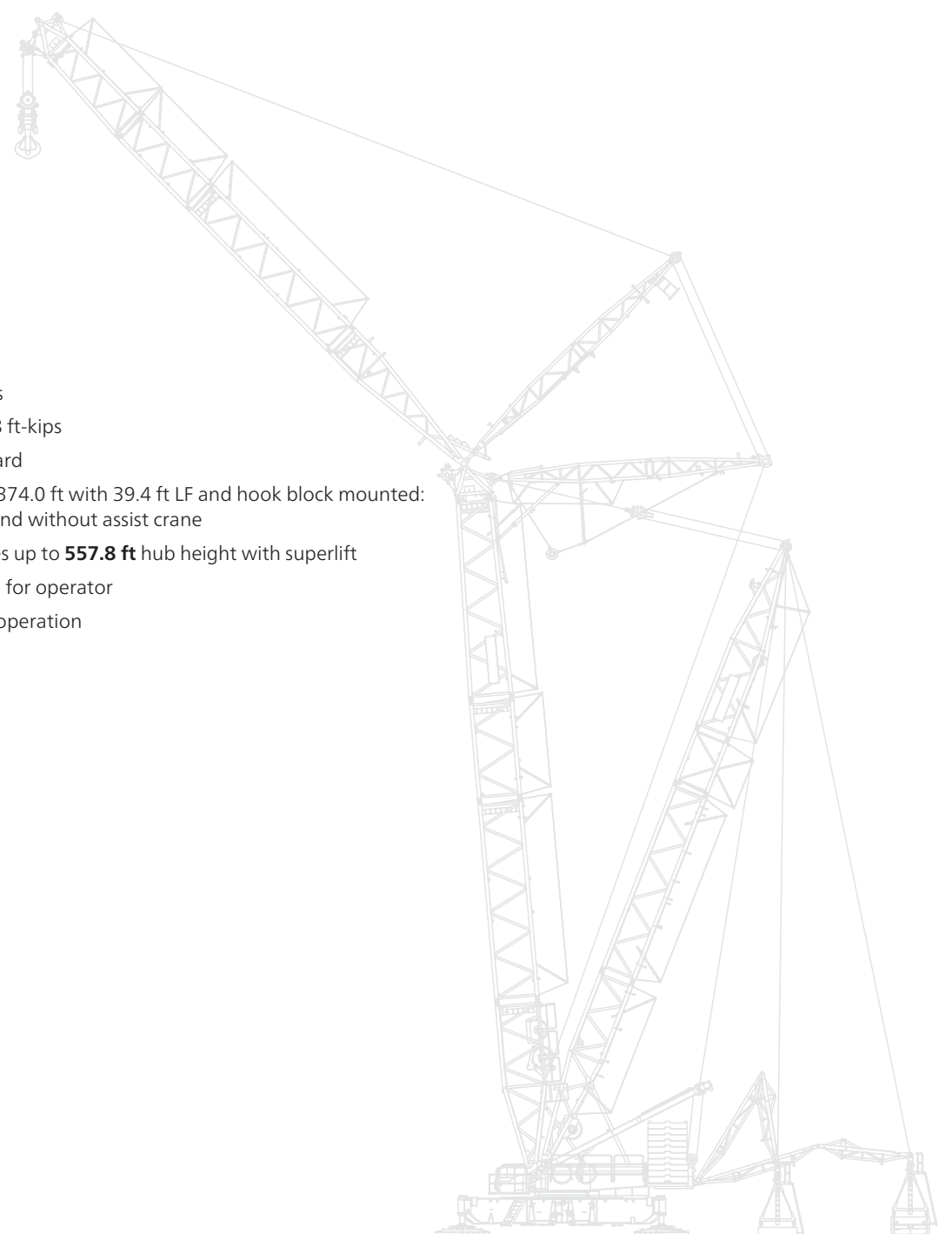
W: Luffing fly jib

F: Fixed fly jib

SL: Superlift

V: Vessellift

SFSL: Variation of SWSL: all radii will be reached by adjusting the main boom angle (luffing fly jib 15° offset to main boom permanently)

- 
- ▶ 715 USt at 39.4 ft radius
 - ▶ Load moment of 66.918 ft-kips
 - ▶ Fall protection as standard
 - ▶ Erection of main boom 374.0 ft with 39.4 ft LF and hook block mounted: without superlift mast and without assist crane
 - ▶ Erection of wind turbines up to **557.8 ft** hub height with superlift
 - ▶ Best in class ergonomics for operator
 - ▶ Suitable for worldwide operation

Working speeds (infinitely variable)

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

¹⁾ top layer

Hook block system

Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 325	1433,000 lb 838,000 lb	4 x 5 1 x 10	2 x 20 1 x 21	22,270 lb – 29,110 lb 16,100 lb – 24,920 lb (8,380 lb – 24,260 lb*)	18.4 ft 18.4 ft (16.1 ft*)
2 x 190	838,000 lb 419,000 lb	2 x 5 1 x 5	2 x 11 1 x 11	16,100 lb – 24,920 lb (8,380 lb – 24,260 lb*) 13,670 lb (5,950 lb – 10,580 lb*)	19.4 ft (16.1 ft*) 19.4 ft (17.1 ft*)

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

Double hook block

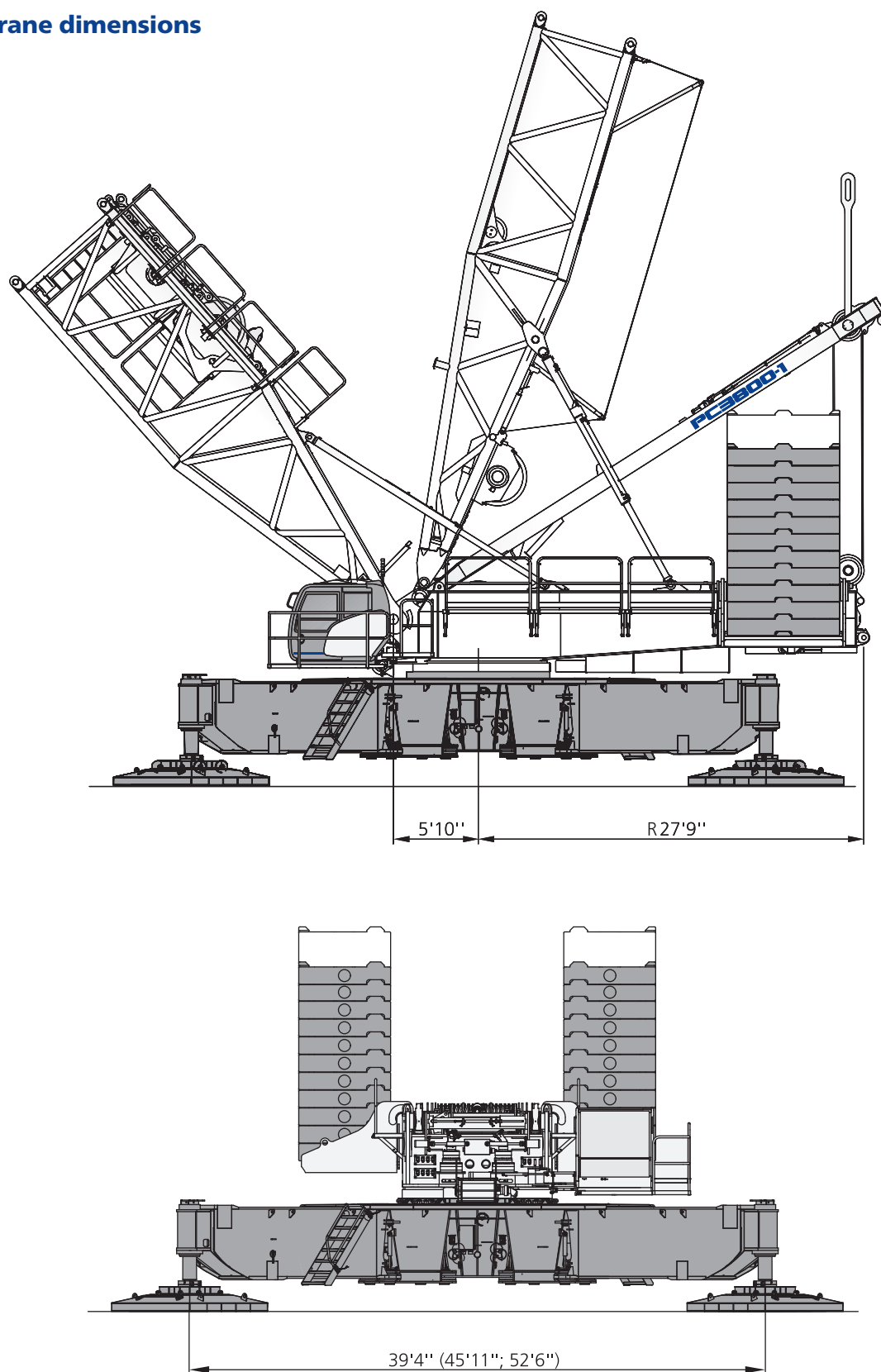
Type	Possible load	Number of sheaves	Number of lines	Weight	„D“
2 x 90	392,500 lb	2 x 2	2 x 5	5,070 lb – 19,620 lb	14.8 ft

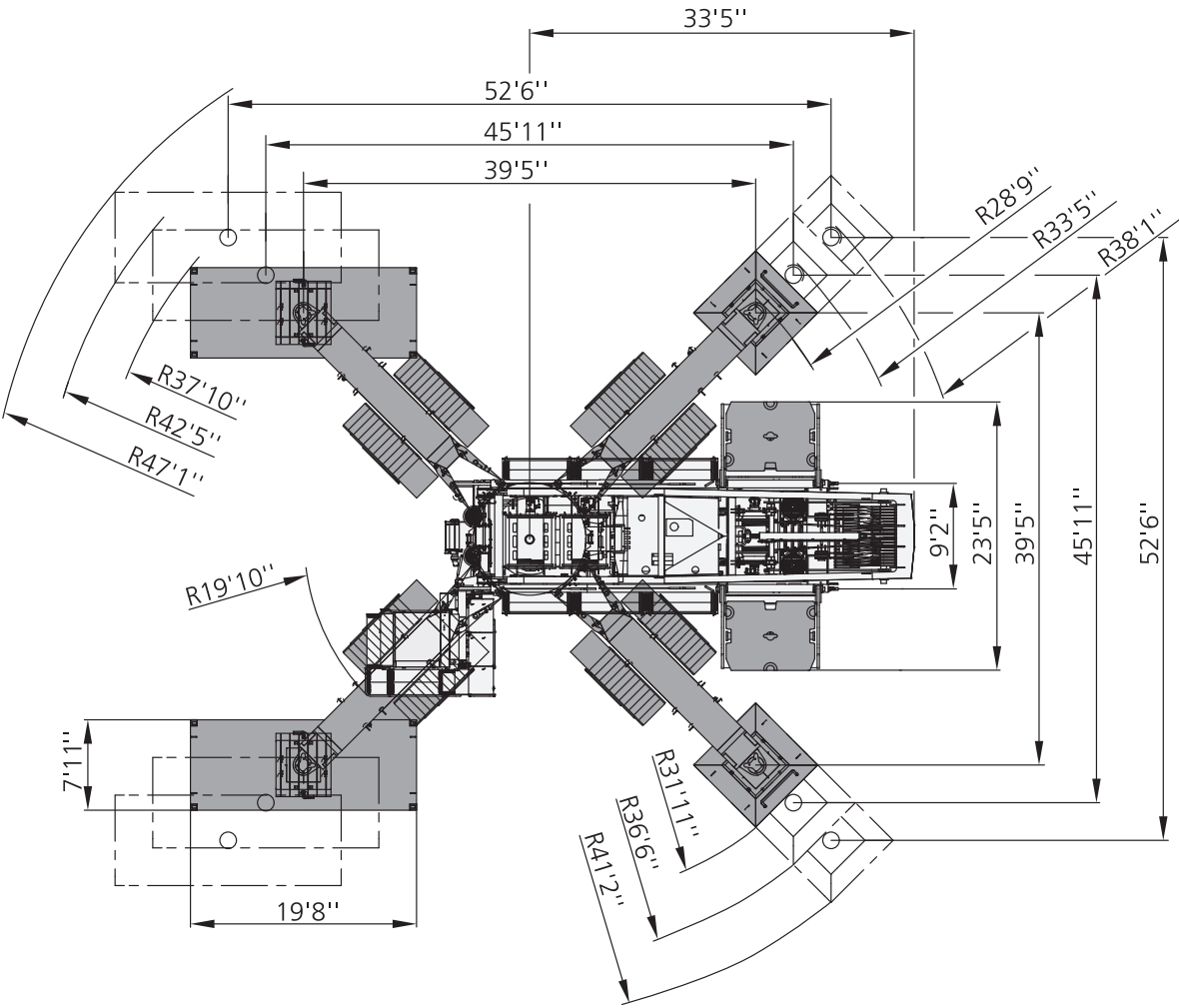
Hook block

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

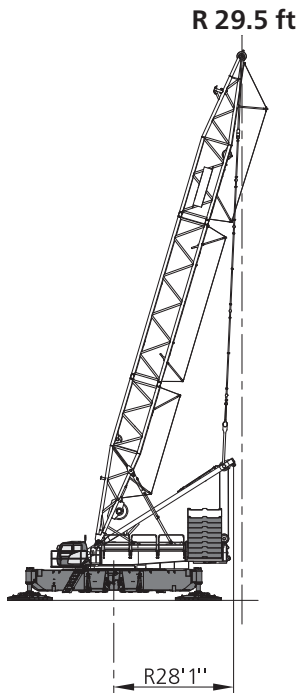
* Single line hook

Basic crane dimensions

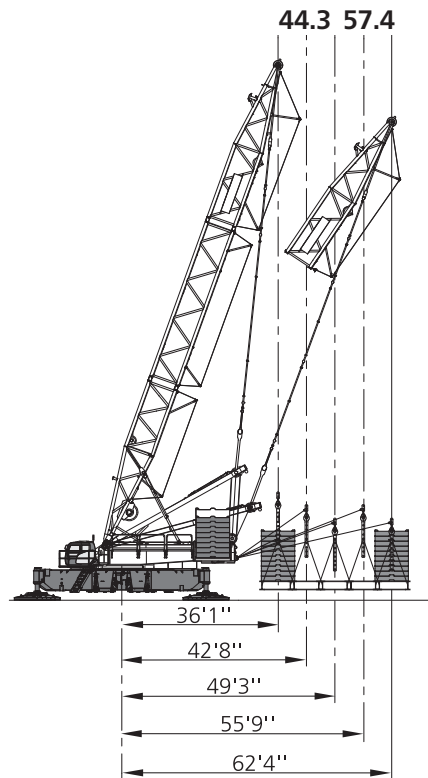




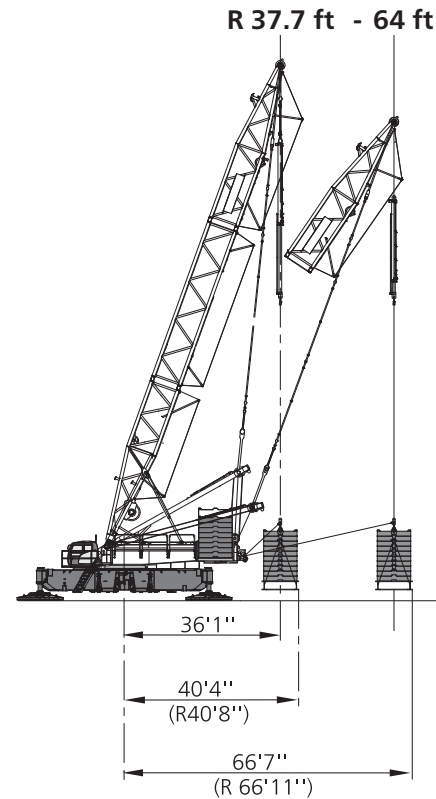
SL 0lb 29.5 ft



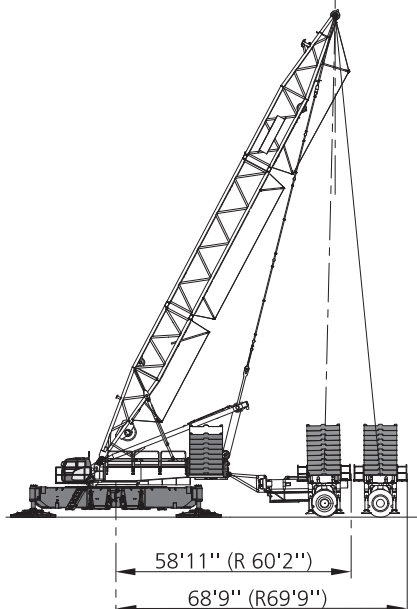
Standard-SL
R 37.7 50.8 64 ft



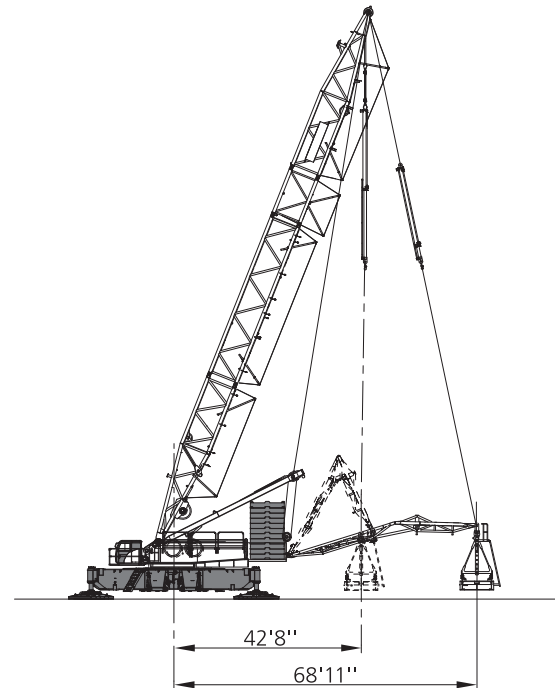
Vario-SL 36.1-62.3 ft*



SL Carrier
49.2-62.3 ft
R 51.7 ft



Flex Frame**
42.6-68.9 ft
R 45.1 ft



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

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

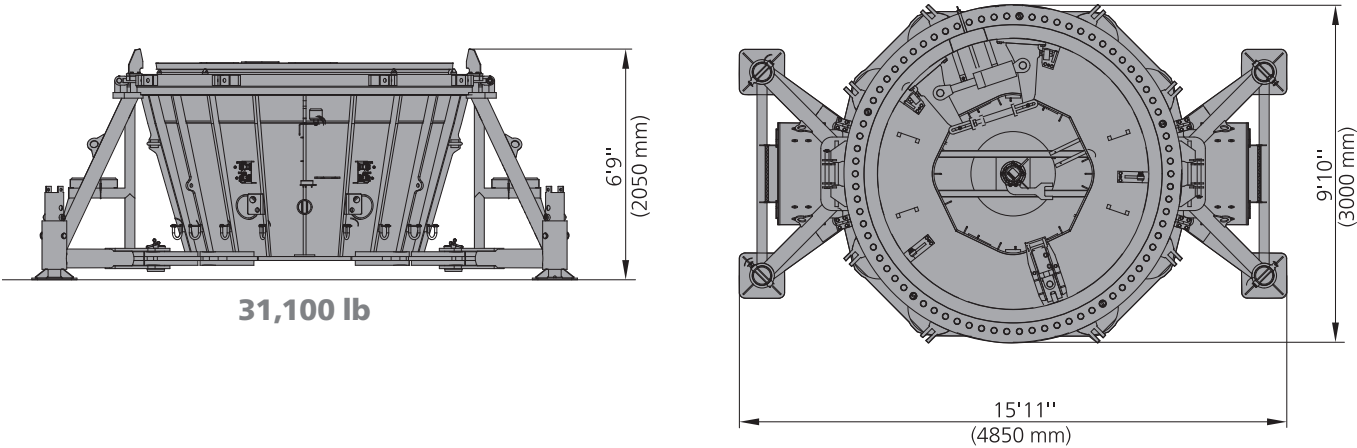
Weights

Total weight incl. 496,000 lb counterweight, 78.7 ft boom and hook block	approx. 750,000 lb
Superstructure (with 3 winches, A-frame and quick-connection)	158,000 lb
Superstructure without winches and A-frame, with quick-connection	91,700 lb
Center pot with outriggers, mats and quick connection	207,000 lb
Superstructure with A-frame, without H1, H2 with center pot with adapters for axle lines	157,000 lb
Max. counterweight	496,000 lb

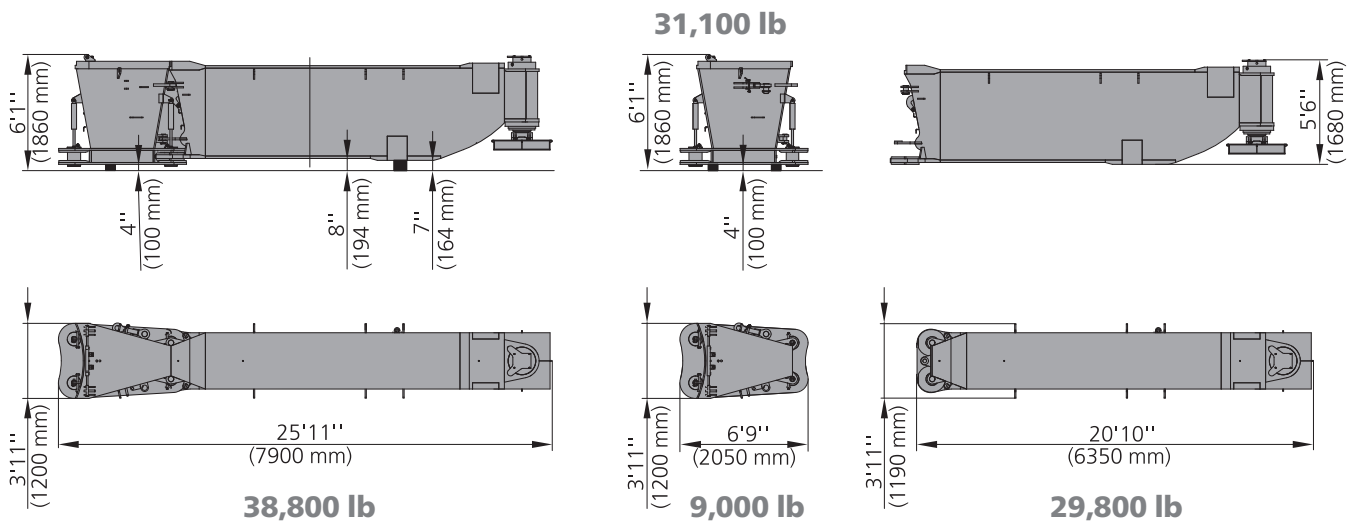
Specifications

PC 3800-1

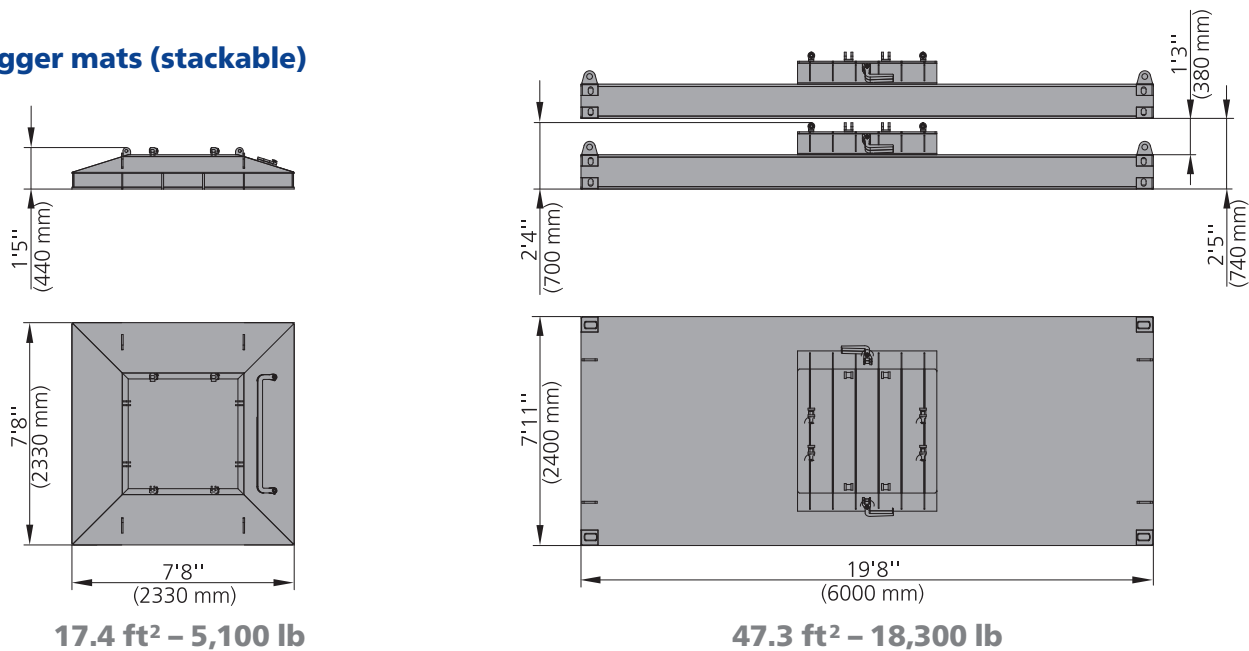
PC center pot with quick connection and support frames



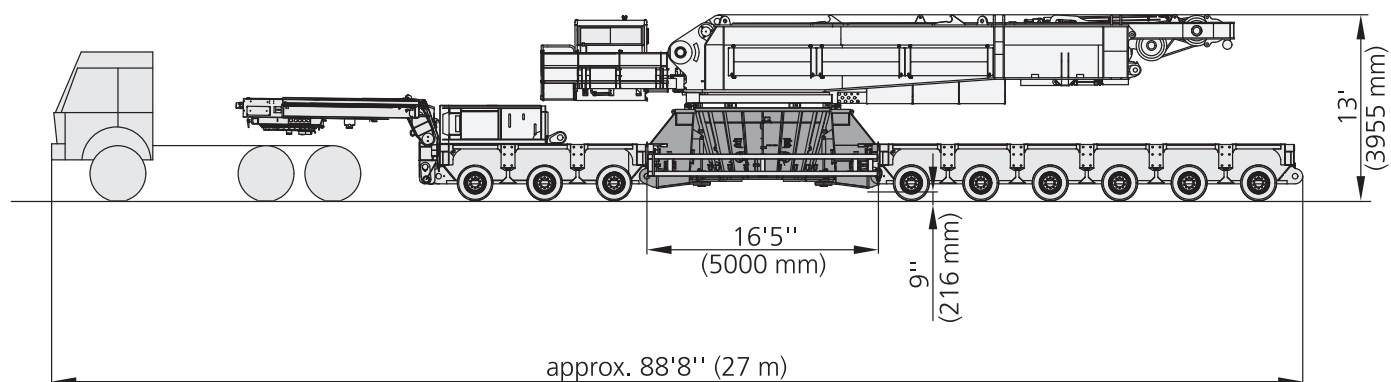
Telescopic outriggers with connection part



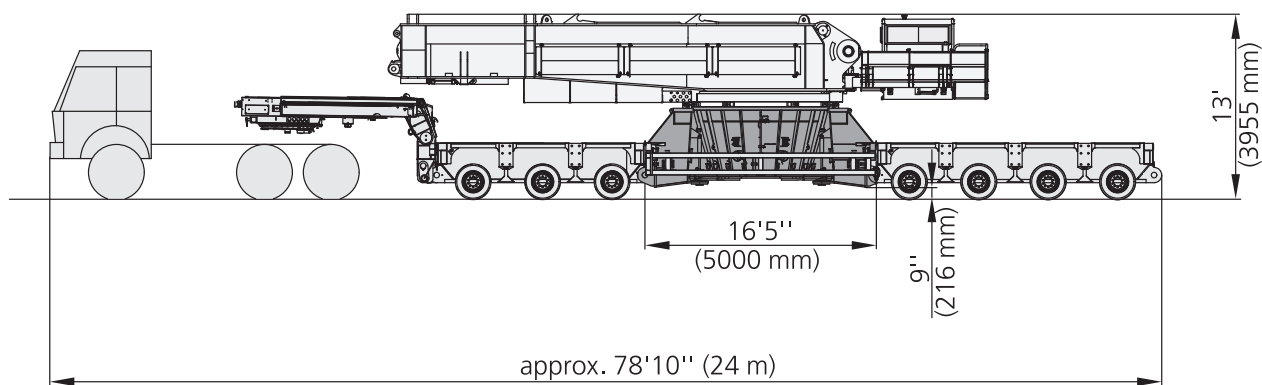
Outrigger mats (stackable)



Axle load < 26,500 lb (without winches H1 + H2)



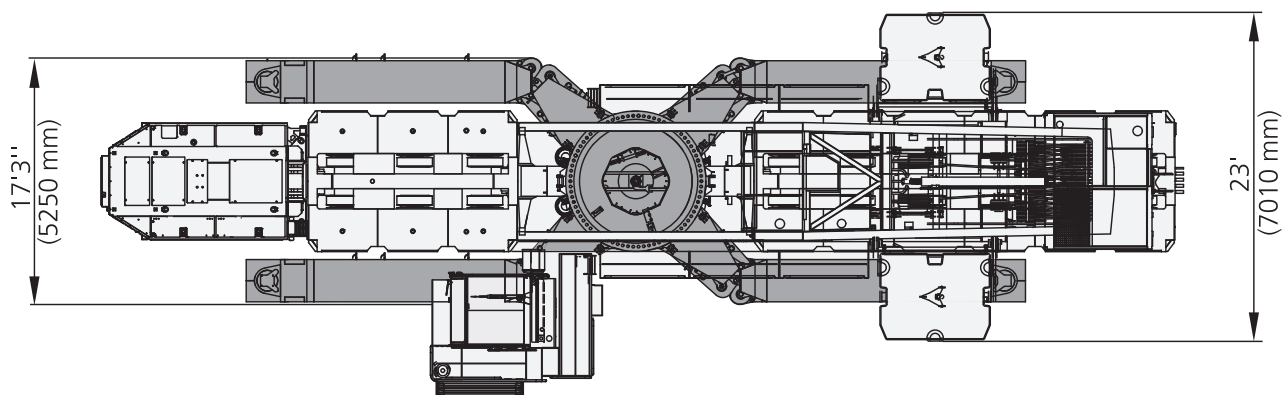
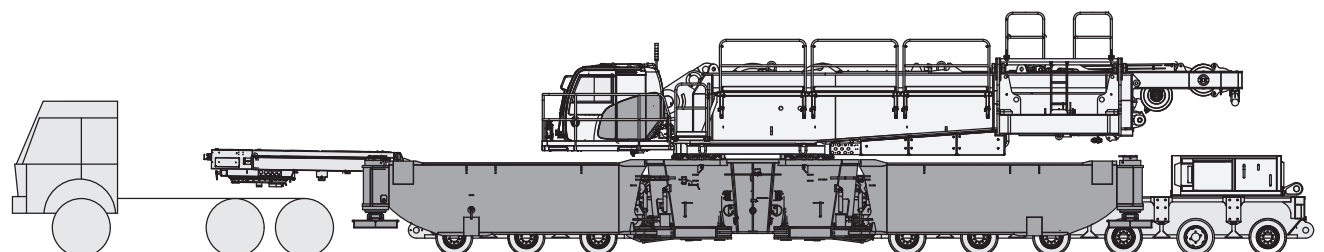
Total vehicle weight < 220,500 lb (without winches H1 + H2, A-frame)



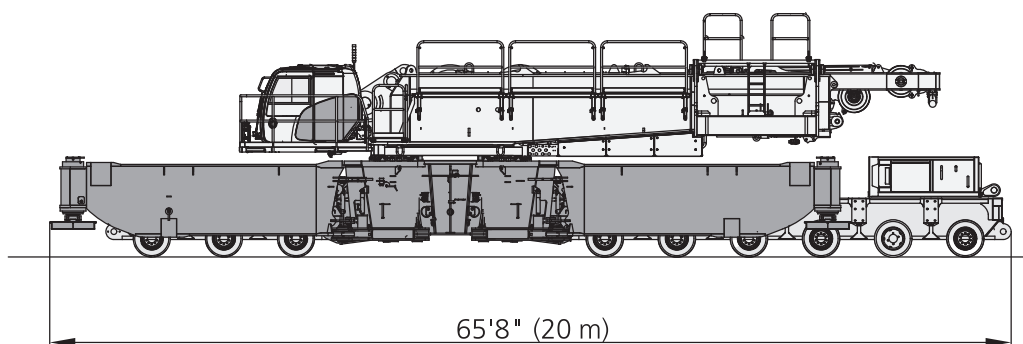
Job site transport

PC 3800-1

with truck and goose neck, power pack optional



with power pack



Erection / lowering of the PC 3800-1 boom systems to the ground

Boom combination	Fly jib (ft)	Main boom (ft)															
		78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0
SH_1		X	X	X	X	X	X	X	X	X	X	X	X	(X)	–	–	–
LH_1		–	–	X	X	X	X	X	X	X	X	X	X	(X)	(X)	[X]	[X]
		118.1	128.0	137.8-246.1	255.9	265.8	275.6	285.5	295.3	305.1	315.0	324.8	334.6	344.5	354.3	364.2	374.0
LH_5		X	X	X	X	X	X	X	X	X	(X)	(X)	[X]	[X]	[X]	[X]	[X]
		78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0
SW_1 85°	78.7 - 118.1	X	X	X	X	X	X	[X]	[X]	–	–	–	–	–	–	–	–
	137.8 - 157.5	X	X	X	X	X	X	X	[X]	–	–	–	–	–	–	–	–
	177.2 - 216.5	X	X	X	X	X	X	X	(X)	[X]	–	–	–	–	–	–	–
	236.2	X	X	X	X	X	X	X	(X)	–	–	–	–	–	–	–	–
	255.9 - 315.0	X	X	X	X	X	X	(X)	(X)	–	–	–	–	–	–	–	–
SH+LF_1 15°, 20°, 30°	39.4	–	X	X	X	X	X	X	X	X	X	X	(X)	[X]	–	–	–
	78.7	–	X	X	X	X	X	X	X	X	X	X	(X)	–	–	–	–
	118.1	–	X	X	X	X	X	X	X	X	X	(X)	–	–	–	–	–
LH+LF_1 15°, 20°, 30°	39.4	–	–	–	–	X	X	X	X	X	X	X	X	X	(X)	[X]	[X]
	78.7	–	–	–	–	X	X	X	X	X	X	X	X	X	(X)	[X]	[X]
	118.1	–	–	–	–	X	X	X	X	X	X	X	(X)	(X)	[X]	–	–
		236.2	246.1	255.9	265.8	275.6	285.5	295.3	305.1	315.0	324.8	334.6	344.5	354.3	364.2		
LH+LF_3 15°, 20°	39.4			X	X	X	X	X	X	X	X	X	(X)	(X)	[X]	[X]	[X]
LH+LF_4 15°, 20°	39.4			–	–	–	–	X	X	X	(X)	[X]	[X]	[X]	[X]	[X]	–
	59.0			–	–	–	–	X	X	X	(X)	[X]	–	–	–	–	–

X  39.4 ft x 39.4 ft, 45.9 ft x 45.9 ft, 52.5 ft x 52.5 ft

(X)  45.9 ft x 45.9 ft, 52.5 ft x 52.5 ft

[X]  52.5 ft x 52.5 ft

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

Erection / lowering of the PC 3800-1 boom systems to the ground

Boom combination	Mast (ft)	Fly jib (ft)	Main boom (ft)																				
			118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315.0	334.6	354.3	374.0	393.7	413.4	433.1	452.8	472.4	492.1	511.8
SSL_1	118.1		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
SSL_2			-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
SSL_3	129.6		-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
SSL_4	129.6		-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
LSL_1	118.1		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-
LSL_2	118.1		-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-
SWSL_1  85°	118.1	78.7	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-
		98.4	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-
		118.1-196.9	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
		216.5-295.3	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-
		315.0	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-
SWSL_3 SWSL_4  85°	129.6	78.7	-	-	o	o	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	
		98.4	-	-	o	o	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	
		118.1-275.6	-	-	o	o	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	
		295.3	-	-	o	o	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	
		315.0	-	-	o	o	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	
SSL+LF_1 	118.1	39.4, 78.7, 118.1	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	
LSL+LF_2 	118.1	39.4, 78.7, 118.1	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	
LVSL_1	118.1	39.4	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	
LVSL_3, LVSL_4	129.6	39.4	-	-	o	o	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	
			255.9	275.6	295.3	305.1	315.0	324.8	334.6	344.5	354.3	364.2	374.0	383.9	393.7-403.5	413.4-423.2	433.1-482.3	492.1-521.7	531.5	541.3	551.2	561.0	
LSL_5	118.1		-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	-	-	-	-	
LSL_7	118.1		-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	
LSL_9	129.6		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	
LSL_11	129.6		-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	
LSL_13	129.6		-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	(X)	(X)	(X)	(X)	
LSL_15	137.8		-	-	-	-	-	-	-	-	-	-	-	-	-	-	(X)	(X)	(X)	(X)	(X)	(X)	
LSL+LF_3 	118.1	39.4	X	X	X	-	X	-	X	-	X	X	X	X	X	X	X	X	-	-	-	-	
LSL+LF_4 	118.1	39.4	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	
LSL+LF_4 	118.1	78.7	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	
LSL+LF_6 	118.1	39.4	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	
LSL+LF_8 	129.6	39.4	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	
LSL+LF_10	129.6	39.4	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	(X)	(X)	-	-	
LSL+LF_12	129.6	39.4	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	(X)	(X)	-	-	
LSL+LF_14	137.8	39.4, 59.0, 78.7	-	-	-	-	-	-	-	-	-	-	-	-	-	(X)	(X)	(X)	(X)	(X)	-	-	

X without assisting equipment

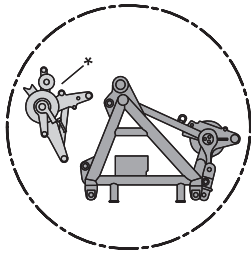
(X) with flex frame

o only SWSL_3/LVSL_3

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

Boom Combinations

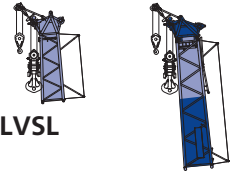
PC 3800-1



* Attachable

■ Type 2824A
■ Type 2420A

Runner
119,000 lb



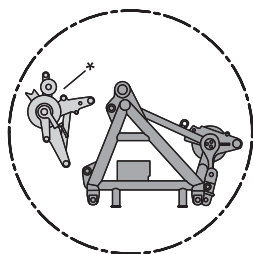
LH, LSL, SW, SWSL, LVSL

SH, SSL



Boom Combinations

PC 3800-1



* Attachable

■ Type 2824A
■ Type 2420A

Runner
119,000 lb



LH, LSL, SW, SWSL, LVSL



LSL_1

HA 236.2ft .. 472.4ft
MA 118.1ft

LSL_2

HA 177.2ft .. 472.4ft
MA 118.1ft

LSL_5

HA 374.0ft .. 521.7ft
MA 118.1ft

SWSL_1

HA 118.1ft .. 354.3ft
HI 78.7ft .. 315.0ft
max. 315.0ft + 315.0ft
334.6ft + 295.3ft
354.3ft + 196.9ft
MA 118.1ft

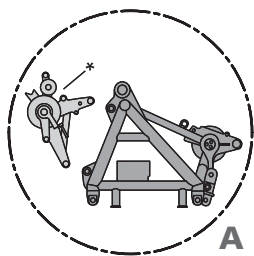
LVSL_1

HA 118.1ft .. 354.3ft
HI 59.0ft
MA 118.1ft

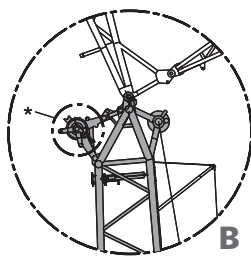
DEMAG
TADANO GROUP

Boom Combinations

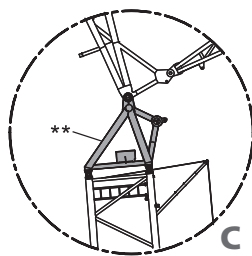
PC 3800-1



A



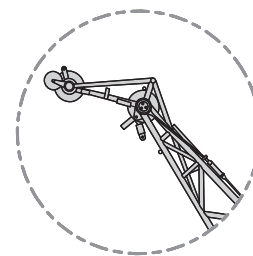
B



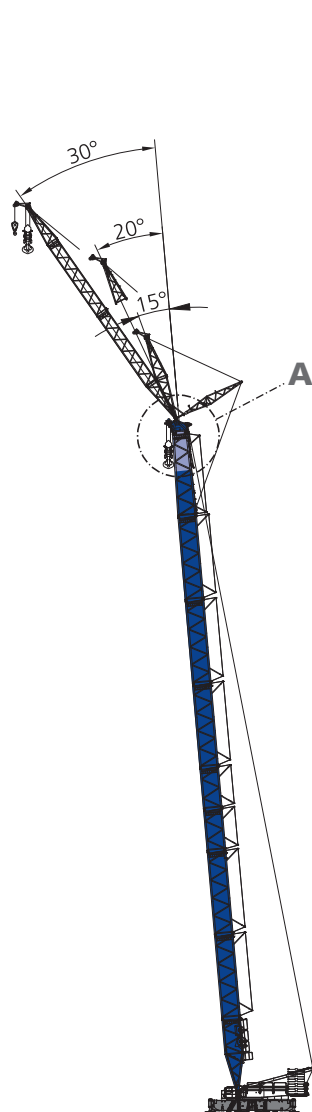
C

* Attachable
** Option

■ Type 2824A
■ Type 2420A

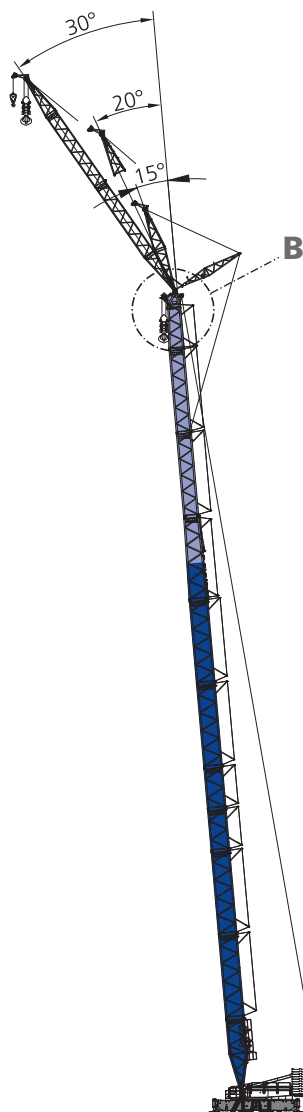


Runner 39,700 lb
on LF standard



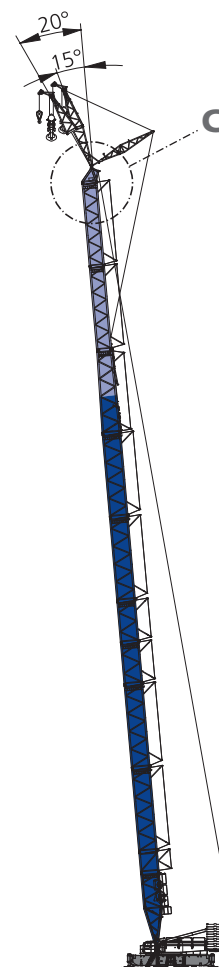
SH+LF_1

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



LH+LF_1

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

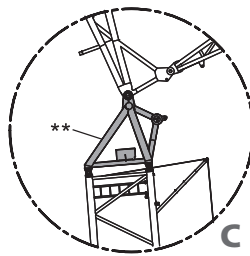
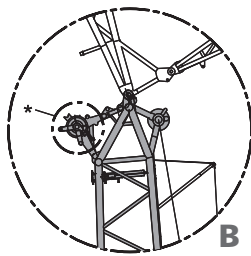
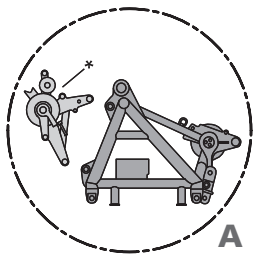


LH+LF_3

HA 236.2ft .. 364.2ft
HI 39.4ft

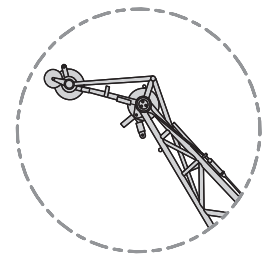
Boom Combinations

PC 3800-1



Type 2824A

Type 2420A



Runner 39,700 lb
on LF standard

* Attachable
** Option



SSL+LF_1

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

LSL+LF_2

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

LSL+LF_3

HA 255.9ft .. 482.3ft
HI 39.4ft
MA 118.1ft

LSL+LF_4

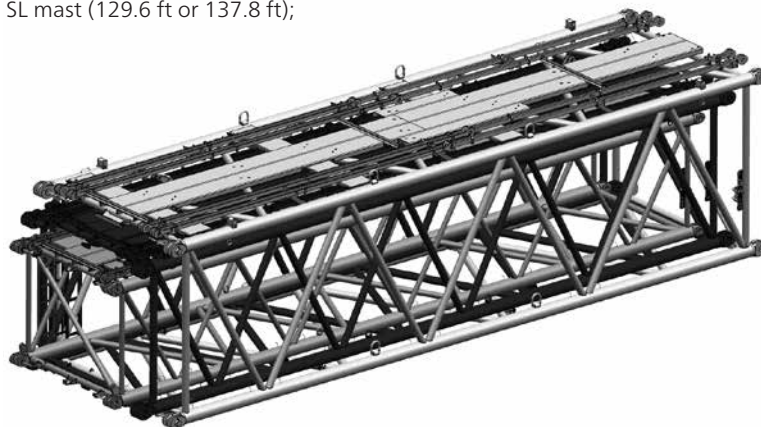
HA 452.8ft .. 521.7ft
HI 39.4ft / 78.7ft
MA 118.1ft

DEMAG
TADANO GROUP

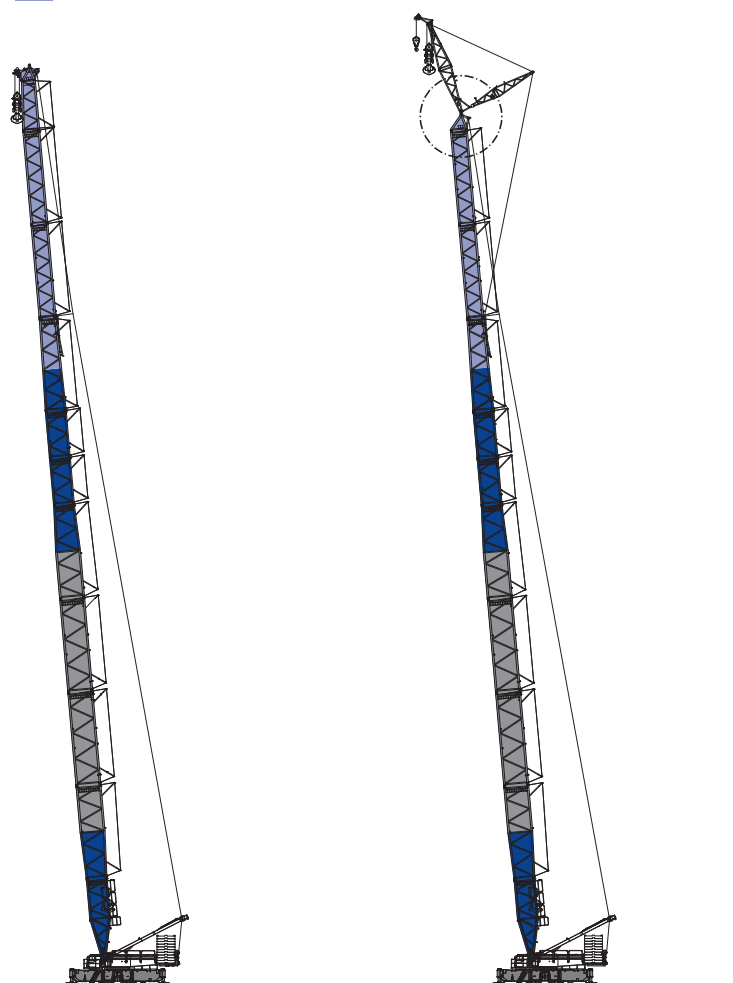
Boom Combinations Boom Booster

PC 3800-1

Boom system type **3330A** in combination with extended SL mast (129.6 ft or 137.8 ft); 2824A and 2420A with slide-in function.



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



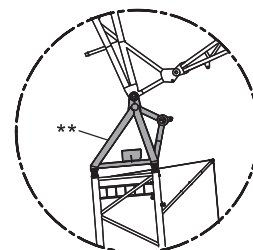
LH_5
HA 177.2 ft .. 374.0 ft

LH+LF_4
HA 275.6 ft .. 354.3 ft
HI 39.4 ft, 59.0 ft
max. 354.3 ft+39.4 ft
315.0 ft+59.0 ft

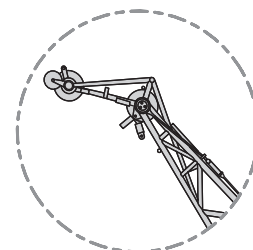
Runner 119,000 lb



LH, LSL, SW, SWSL, LVSL



** Option



Runner 39,700 lb
on LF standard

Boom Combinations Boom Booster

PC 3800-1

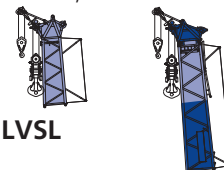
Type 3330A

Type 2824A

Type 2420A

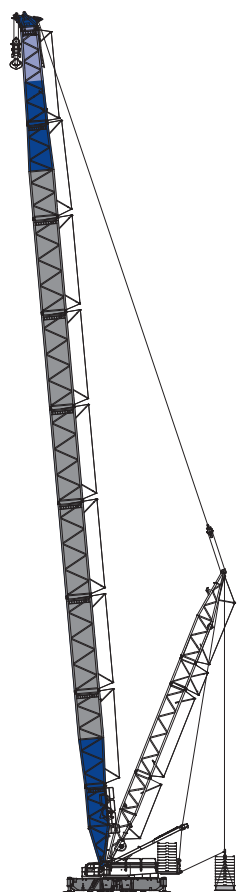
Runner

119,000 lb



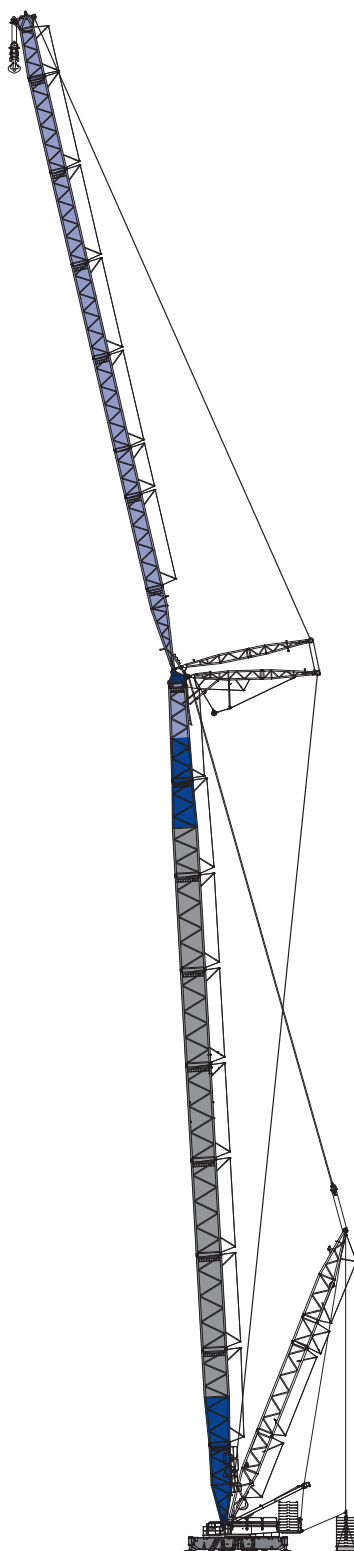
LH, LSL, SW, SWSL, LVSL

SH, SSL



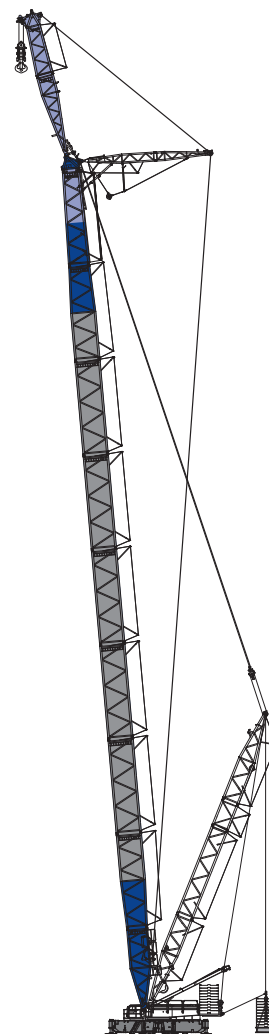
SSL_3 / SSL_4

HA 157.5ft/196.9ft .. 354.3ft



SWSL_3 / SWSL_4

HA 157.5ft/196.9ft .. 354.3ft
HI 78.7ft .. 315.0ft
max. 315.0ft + 315.0ft
334.6ft + 295.3ft
354.3ft + 275.6ft



LVSL_3 / LVSL_4

HA 157.5ft/196.9ft .. 354.3ft
HI 59.0ft

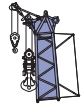
DEMAG
TADANO GROUP

Boom Combinations

PC 3800-1

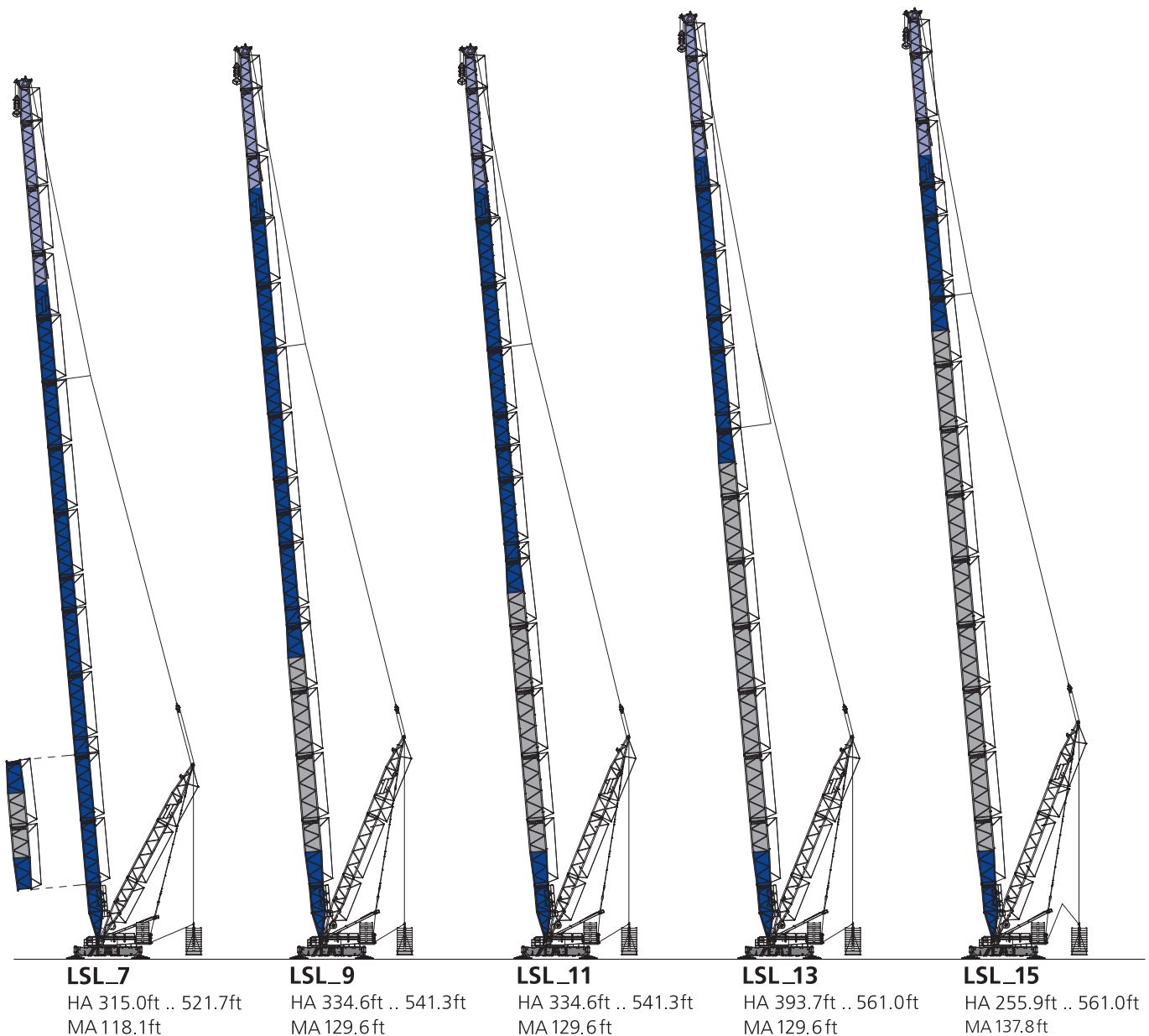
Runner

119,000 lb



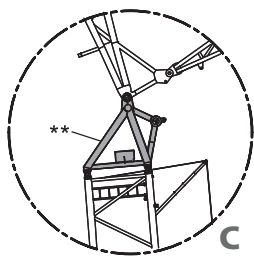
LSL

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



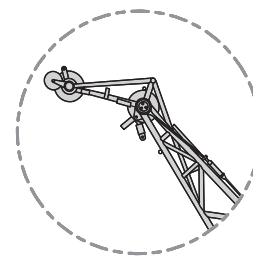
Boom Combinations

PC 3800-1



** Option

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



Runner 39,700 lb
on LF standard



LSL+LF_6

HA 295.3ft .. 521.7ft
HI 39.4ft
MA 118.1ft

LSL+LF_8

HA 315.0ft .. 521.7ft
HI 39.4ft
MA 129.6ft

LSL+LF_10

HA 315.0ft .. 541.3ft
HI 39.4ft
MA 129.6ft

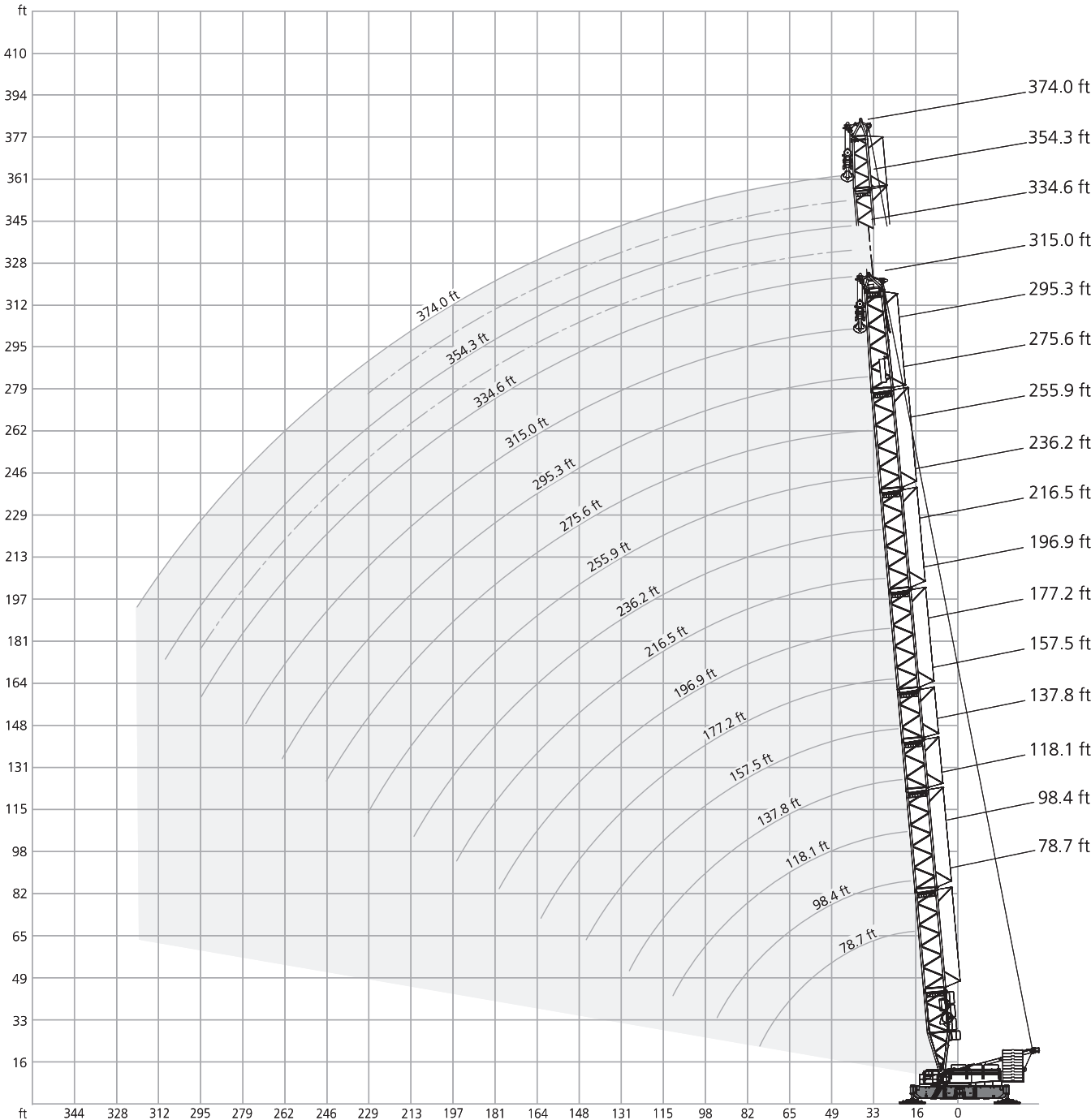
LSL+LF_12

HA 374.0ft .. 541.3ft
HI 39.4ft
MA 129.6ft

LSL+LF_14

HA 295.3ft .. 541.3ft
HI 39.4ft/59.0ft/78.7ft
MA 137.8ft

DEMAG
TADANO GROUP



32.2 ft/s 360° ASME B30.5																		
	SH_1																	
	78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
	12/12	14/14	16/16	12/12	14/14	16/16	12/12	14/14	16/16	12/12	14/14	16/16	12/12	14/14	16/16	12/12	14/14	16/16
	ft	1,000 lb																
18.0	1397.7	1333.8	1150.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19.7	1355.8	1269.9	1100.1	1325.0	1263.2	1089.1	-	-	-	-	-	-	-	-	-	-	-	-
23.0	1280.9	1164.0	1016.3	1247.8	1155.2	1005.3	1228.0	1148.6	994.3	1203.7	1139.8	985.5	-	-	-	-	-	-
26.2	1168.5	1073.7	941.4	1164.0	1067.0	932.6	1159.6	1058.2	921.5	1133.2	1049.4	910.5	1117.7	1040.6	901.7	1104.5	1034.0	895.1
29.5	1045.0	996.5	875.2	1038.4	987.7	866.4	1034.0	981.1	859.8	1029.6	972.2	848.8	1025.2	963.4	837.8	1020.7	956.8	828.9
32.8	941.4	928.1	817.9	937.0	919.3	809.1	932.6	912.7	802.5	928.1	906.1	793.7	923.7	897.3	782.6	919.3	890.7	773.8
39.4	778.2	778.2	720.9	773.8	773.8	716.5	769.4	769.4	705.5	765.0	765.0	698.9	760.6	760.6	690.0	758.4	758.4	683.4
45.9	654.8	654.8	643.8	650.4	650.4	637.1	646.0	646.0	632.7	641.5	641.5	621.7	637.1	637.1	612.9	634.9	634.9	606.3
52.5	562.2	562.2	562.2	557.8	557.8	557.8	555.6	555.6	555.6	551.2	551.2	551.2	546.7	546.7	546.7	542.3	542.3	542.3
59.1	478.4	493.8	493.8	476.2	489.4	489.4	474.0	485.0	485.0	471.8	480.6	480.6	471.8	476.2	476.2	469.6	474.0	474.0
65.6	403.4	438.7	438.7	403.4	434.3	434.3	401.2	429.9	429.9	399.0	425.5	425.5	396.8	421.1	421.1	394.6	418.9	418.9
72.2	350.5	392.4	392.4	348.3	388.0	388.0	346.1	383.6	383.6	343.9	379.2	379.2	341.7	377.0	377.0	339.5	372.6	372.6
75.5	326.3	372.6	372.6	326.3	370.4	370.4	324.1	366.0	366.0	321.9	360.5	360.5	319.7	358.3	358.3	317.5	353.8	353.8
78.7	-	-	-	304.2	352.7	352.7	302.0	348.3	348.3	299.8	341.7	341.7	297.6	339.5	339.5	295.4	335.1	335.1
85.3	-	-	-	271.2	319.7	319.7	269.0	315.3	315.3	264.6	310.9	310.9	262.4	306.4	306.4	260.1	304.2	304.2
91.9	-	-	-	242.5	286.6	291.0	240.3	284.4	288.8	238.1	280.0	284.4	235.9	280.0	282.2	233.7	275.6	275.6
98.4	-	-	-	-	-	-	217.2	255.7	264.6	213.8	253.5	260.1	211.6	251.3	257.9	209.4	249.1	253.5
108.3	-	-	-	-	-	-	189.6	222.7	233.7	186.6	220.5	230.4	184.4	218.3	228.2	182.2	216.1	224.6
111.5	-	-	-	-	-	-	-	-	-	177.5	209.4	220.5	175.3	207.2	218.3	173.1	205.0	215.0
124.7	-	-	-	-	-	-	-	-	-	151.0	177.5	189.6	147.7	175.3	186.3	144.4	172.0	183.0
137.8	-	-	-	-	-	-	-	-	-	-	-	-	126.8	149.9	162.0	123.5	146.6	158.7
144.4	-	-	-	-	-	-	-	-	-	-	-	-	117.9	140.0	151.0	115.4	137.2	148.3
150.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107.4	127.9	137.8
160.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97.0	115.7	124.6

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

12 / 12: 39.4 ft x 39.4 ft
 14 / 14: 45.9 ft x 45.9 ft
 16 / 16: 52.5 ft x 52.5 ft

		 32.2 ft/s										360°		ASME B30.5						
		SH_1																		
		196.9 ft			216.5 ft			236.2 ft			255.9 ft		275.6 ft		295.3 ft		315.0 ft			
		12/12	14/14	16/16	12/12	14/14	16/16	12/12	14/14	16/16	14/14	16/16	14/14	16/16	14/14	16/16	14/14		16/16	
ft		1,000 lb																		ft
29.5	1016.3	945.8	820.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5	
32.8	914.9	877.4	765.0	886.3	870.8	758.4	771.6	771.6	751.8	-	-	-	-	-	-	-	-	-	32.8	
36.1	834.5	815.7	716.5	805.8	811.3	712.1	733.0	752.9	704.4	634.9	634.9	557.8	557.8	-	-	-	-	-	36.1	
39.4	754.0	754.0	668.0	725.3	751.8	665.8	694.5	734.1	657.0	621.7	621.7	546.7	546.7	480.6	480.6	421.1	421.1	-	39.4	
45.9	626.1	630.5	597.5	601.9	628.3	590.8	577.6	626.1	582.0	579.8	577.6	522.5	522.5	460.8	460.8	403.4	403.4	-	45.9	
52.5	531.3	540.1	537.9	513.7	537.9	531.3	493.8	533.5	522.5	524.7	518.1	485.0	485.0	438.7	438.7	385.8	385.8	-	52.5	
59.1	458.6	469.6	469.6	443.1	467.4	467.4	427.7	463.0	463.0	458.6	458.6	443.1	443.1	416.7	416.7	363.8	363.8	-	59.1	
65.6	394.6	414.5	414.5	390.2	412.3	412.3	377.0	407.9	407.9	403.4	403.4	390.2	390.2	374.8	374.8	341.7	341.7	-	65.6	
72.2	337.3	370.4	370.4	337.3	368.2	368.2	335.1	363.8	363.8	357.1	357.1	346.1	346.1	332.9	332.9	313.1	313.1	-	72.2	
78.7	293.2	332.9	332.9	293.2	330.7	330.7	291.0	326.3	326.3	321.9	321.9	308.6	308.6	297.6	297.6	284.4	284.4	-	78.7	
85.3	260.1	299.8	299.8	257.9	297.6	297.6	255.7	295.4	295.4	291.0	291.0	280.0	280.0	269.0	269.0	257.9	257.9	-	85.3	
91.9	231.5	271.2	271.2	229.3	269.0	269.0	227.1	266.8	266.8	262.4	262.4	253.5	253.5	244.7	244.7	233.7	233.7	-	91.9	
98.4	207.2	246.9	246.9	206.1	244.7	244.7	203.9	240.3	240.3	238.1	238.1	231.5	231.5	222.7	222.7	212.7	212.7	-	98.4	
111.5	169.8	202.8	211.6	168.7	201.7	206.1	166.4	199.5	201.7	198.4	199.5	192.9	192.9	186.3	186.3	177.5	177.5	-	111.5	
124.7	142.2	169.8	179.7	141.1	168.7	177.5	137.8	166.4	170.9	165.3	168.7	162.0	163.1	156.5	156.5	148.8	148.8	-	124.7	
137.8	121.3	144.4	154.3	119.0	143.3	153.2	116.8	140.0	148.8	138.9	146.6	136.7	140.0	134.5	134.5	125.7	125.7	-	137.8	
150.9	104.1	124.6	134.5	102.5	123.5	132.3	99.6	120.2	127.9	119.0	126.8	115.7	122.4	115.7	116.8	108.9	108.9	-	150.9	
164.0	90.4	108.7	116.8	88.4	107.1	114.6	84.7	104.1	111.3	103.0	109.6	99.9	105.6	99.2	102.1	94.8	94.8	-	164.0	
177.2	78.5	95.7	103.0	76.3	93.9	101.2	72.3	90.2	97.0	88.6	95.2	85.3	91.3	84.7	88.0	81.6	81.8	-	177.2	
190.3	-	-	-	66.1	82.5	88.8	61.9	78.3	84.4	76.5	82.9	73.0	78.7	72.5	75.4	69.2	69.9	-	190.3	
193.6	-	-	-	63.9	79.8	86.0	59.7	75.7	81.7	74.0	80.1	70.4	76.1	69.9	72.6	66.6	67.2	-	193.6	
203.4	-	-	-	-	-	-	53.4	68.1	73.9	66.4	72.1	62.8	68.1	61.9	64.4	58.9	59.1	-	203.4	
210.0	-	-	-	-	-	-	49.4	63.7	69.0	62.1	67.5	58.2	63.4	57.5	59.5	54.1	54.2	-	210.0	
216.5	-	-	-	-	-	-	-	-	-	57.8	62.8	53.8	58.6	53.1	54.7	49.4	49.4	-	216.5	
229.7	-	-	-	-	-	-	-	-	-	50.3	54.7	46.3	50.5	45.4	46.5	40.8	40.8	-	229.7	
242.8	-	-	-	-	-	-	-	-	-	-	-	39.7	43.2	38.8	39.9	33.3	33.3	-	242.8	
246.1	-	-	-	-	-	-	-	-	-	-	-	38.1	41.7	37.3	38.6	31.7	31.7	-	246.1	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8	34.6	26.9	26.9	-	255.9	
262.5	-	-	-	-	-	-	-	-	-	-	-	-	-	30.4	32.6	24.3	24.1	-	262.5	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.6	21.6	-	269.0	
278.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	18.3	-	278.9	

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

12 / 12: 39.4 ft x 39.4 ft
 14 / 14: 45.9 ft x 45.9 ft
 16 / 16: 52.5 ft x 52.5 ft

255.9 ft – 295.3 ft:

Lifting capacities for outrigger bases not listed (39.4 ft x 39.4 ft, 45.9 ft x 45.9 ft) are always lower than all other values or the boom length cannot be erected (see overview page 14).

				 32.2 ft/s								360°				ASME B30.5			
	 118.1 ft		137.8 ft		157.5 ft		177.2 ft				187.0 ft		196.9 ft				206.7 ft		
	LH_1								LH_5	LH_1	LH_5		LH_1	LH_5	LH_1	LH_5			
	 14/14	16/16	14/14	16/16	14/14	16/16	14/14		16/16		14/14	16/16	14/14		16/16		14/14	16/16	
ft				1,000 lb															
23.0	765.0	765.0	765.0	765.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26.2	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	
29.5	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	
32.8	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0	
39.4	765.0	714.3	765.0	707.7	723.1	705.5	676.8	765.0	676.8	687.8	762.8	683.4	745.2	760.6	687.8	679.0	754.0	672.4	
45.9	657.0	641.5	652.6	630.5	637.1	628.3	588.6	641.5	588.6	612.9	639.3	608.5	646.0	637.1	615.1	604.1	634.9	599.7	
52.5	566.6	566.6	562.2	562.2	562.2	562.2	518.1	551.2	518.1	551.2	546.7	544.5	555.6	546.7	551.2	542.3	540.1	537.9	
59.1	496.0	496.0	491.6	491.6	491.6	491.6	463.0	480.6	463.0	480.6	476.2	476.2	485.0	476.2	485.0	476.2	469.6	469.6	
65.6	440.9	440.9	436.5	436.5	436.5	436.5	414.5	416.7	414.5	416.7	416.7	416.7	429.9	418.9	429.9	418.9	414.5	414.5	
72.2	394.6	394.6	390.2	390.2	392.4	392.4	372.6	366.0	372.6	366.0	361.6	361.6	383.6	363.8	383.6	363.8	363.8	363.8	
78.7	357.1	357.1	352.7	352.7	354.9	354.9	337.3	332.9	337.3	332.9	324.1	324.1	346.1	319.7	346.1	319.7	317.5	317.5	
85.3	326.3	326.3	321.9	321.9	324.1	324.1	308.6	310.9	308.6	310.9	302.0	302.0	315.3	291.0	315.3	291.0	286.6	286.6	
91.9	293.2	299.8	288.8	295.4	291.0	297.6	284.4	282.2	284.4	282.2	280.0	280.0	286.6	275.6	286.6	275.6	264.6	264.6	
98.4	264.6	275.6	262.4	271.2	262.4	273.4	260.1	253.5	262.4	262.4	251.3	253.5	257.9	253.5	262.4	253.5	249.1	249.1	
108.3	229.3	242.5	229.3	241.4	230.1	243.6	227.9	221.3	234.2	230.9	219.1	227.9	225.7	219.6	235.9	226.2	216.9	220.2	
111.5	-	-	-	218.3	231.5	219.4	233.7	217.2	210.5	224.9	220.5	208.3	219.4	215.0	208.3	227.1	217.2	206.1	
124.7	-	-	186.3	199.5	187.4	202.8	184.1	177.5	191.8	189.6	175.3	187.4	181.9	175.3	195.1	185.2	173.1	181.9	
137.8	-	-	-	-	162.0	177.5	158.7	153.2	166.4	163.1	151.0	160.9	156.5	149.9	170.9	158.7	147.7	155.4	
141.1	-	-	-	-	157.6	172.0	153.8	148.3	161.2	158.5	146.1	155.7	151.6	145.0	165.6	153.2	142.7	149.9	
150.9	-	-	-	-	-	-	138.9	133.4	145.5	144.4	131.2	140.0	136.7	130.1	149.9	136.7	127.9	133.4	
160.8	-	-	-	-	-	-	126.8	121.3	135.6	132.3	118.8	129.2	124.3	118.5	137.5	125.1	115.7	120.2	
164.0	-	-	-	-	-	-	-	-	-	-	114.6	125.7	120.2	114.6	133.4	121.3	112.4	115.7	
167.3	-	-	-	-	-	-	-	-	-	-	111.3	121.3	117.1	110.2	129.8	118.3	109.1	112.8	
177.2	-	-	-	-	-	-	-	-	-	-	-	-	108.0	101.4	119.0	109.6	99.2	104.1	
183.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.5	99.6	


 55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb


 14 / 14: 45.9 ft x 45.9 ft
 16 / 16: 52.5 ft x 52.5 ft

32.2 ft/s 360° ASME B30.5																							

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

14 / 14: 45.9 ft x 45.9 ft
16 / 16: 52.5 ft x 52.5 ft

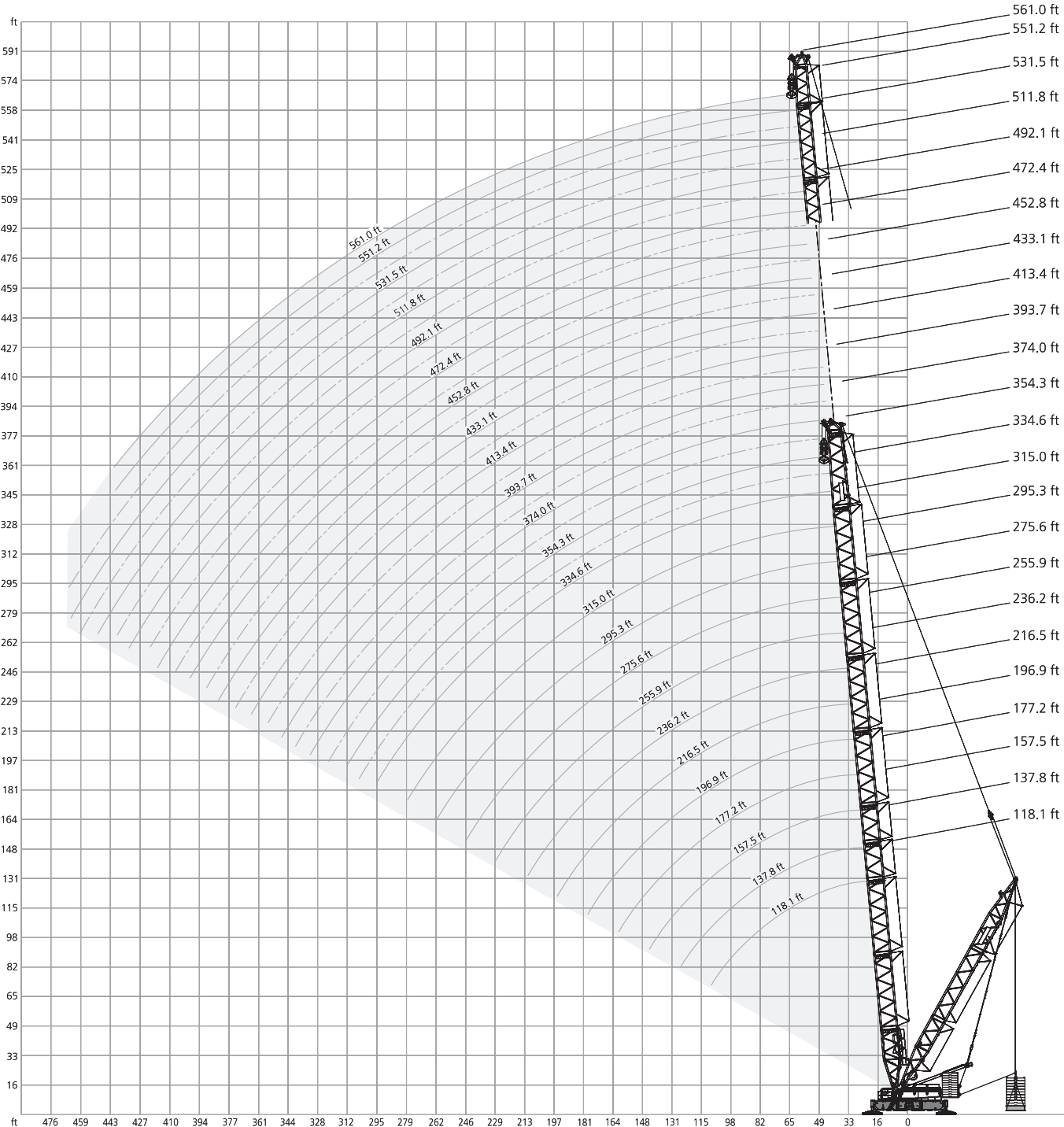
Lifting capacities for outrigger bases not listed (39.4 ft x 39.4 ft, 45.9 ft x 45.9 ft) are always lower than all other values or the boom length cannot be erected (see overview page 14).

 32.2 ft/s 360° ASME B30.5															
295.3 ft 305.1 315.0 ft 324.8 334.6 ft 344.5 354.3 ft 364.2 374.0 ft LH_1 LH_5 LH_1 LH_5 LH_1 LH_5 LH_1 LH_5 LH_1 LH_5															
16/16															
ft	1,000 lb														ft
36.1	432.1	604.1	-	-	-	-	-	-	-	-	-	-	-	-	36.1
39.4	423.3	593.0	568.8	359.4	533.5	502.7	328.5	489.4	-	-	-	-	-	-	39.4
42.7	414.5	569.9	549.0	352.7	519.2	491.6	323.0	479.5	458.6	304.2	432.1	354.9	277.8	332.9	42.7
45.9	405.7	546.7	529.1	346.1	504.9	480.6	317.5	469.6	451.9	299.8	425.5	346.1	273.4	326.3	45.9
52.5	385.8	482.8	471.8	335.1	456.4	438.7	306.4	432.1	418.9	293.2	399.0	330.7	266.8	310.9	52.5
59.1	368.2	423.3	416.7	321.9	410.1	396.8	295.4	390.2	379.2	286.6	366.0	313.1	260.1	293.2	59.1
65.6	350.5	372.6	368.2	310.9	361.6	352.7	284.4	348.3	339.5	280.0	332.9	295.4	253.5	277.8	65.6
72.2	332.9	330.7	324.1	297.6	321.9	313.1	273.4	308.6	302.0	273.4	297.6	277.8	244.7	262.4	72.2
78.7	310.9	295.4	291.0	286.6	286.6	280.0	262.4	275.6	271.2	262.4	264.6	262.4	235.9	244.7	78.7
85.3	286.6	269.0	264.6	271.2	257.9	251.3	251.3	246.9	242.5	253.5	238.1	242.5	227.1	229.3	85.3
91.9	264.6	244.7	240.3	255.7	235.9	229.3	238.1	224.9	220.5	240.3	215.0	224.9	218.3	213.8	91.9
98.4	242.5	220.5	218.3	235.9	216.1	210.5	224.9	207.2	201.7	220.5	196.2	209.4	205.0	198.4	98.4
111.5	206.1	179.7	175.3	201.7	174.2	170.9	192.9	169.8	166.4	187.4	164.2	178.6	177.5	170.9	111.5
124.7	176.4	152.1	146.6	172.0	144.4	140.0	165.3	137.8	135.6	159.8	132.3	151.0	152.1	144.4	124.7
137.8	152.1	136.7	131.2	148.8	125.7	119.0	142.2	115.7	112.4	137.8	109.3	129.0	130.1	122.4	137.8
150.9	131.2	119.0	115.7	130.1	112.4	109.1	123.5	103.8	98.1	117.9	93.5	110.2	112.4	104.7	150.9
164.0	116.8	104.7	101.6	113.5	98.3	95.2	109.1	92.6	87.3	104.1	85.1	94.1	97.2	88.4	164.0
177.2	103.0	90.6	88.2	101.6	85.3	82.5	97.0	80.2	75.6	92.2	73.6	79.4	85.3	73.9	177.2
190.3	90.6	78.5	76.1	89.3	73.6	70.8	84.7	69.0	64.8	81.8	63.3	66.4	74.7	61.1	190.3
203.4	80.0	67.9	65.3	78.5	63.1	60.4	73.9	58.2	55.1	71.2	53.6	55.6	65.9	49.8	203.4
216.5	70.8	58.4	56.0	69.2	53.8	51.1	64.6	48.9	46.1	61.7	44.5	46.5	56.7	39.9	216.5
229.7	62.6	50.5	47.8	61.1	45.6	43.0	56.4	40.8	38.1	53.6	36.6	39.5	48.3	31.7	229.7
236.2	59.1	47.0	44.5	57.4	42.2	39.5	52.8	37.3	34.6	49.8	33.1	-	44.7	28.7	236.2
242.8	55.6	43.4	41.2	53.8	38.8	35.9	49.2	33.7	31.1	46.1	29.5	-	41.0	-	242.8
255.9	49.2	37.3	35.1	47.4	32.8	29.8	42.8	27.3	24.9	39.7	23.4	-	34.6	-	255.9
262.5	46.3	34.4	32.2	44.5	30.1	27.0	39.8	24.4	22.3	36.7	20.5	-	31.6	-	262.5
269.0	-	-	29.3	41.7	27.3	24.3	36.8	21.6	19.6	33.7	17.6	-	28.7	-	269.0
278.9	-	-	-	37.7	23.4	20.4	33.0	17.8	15.7	29.8	13.7	-	24.4	-	278.9
282.2	-	-	-	-	-	19.2	31.7	16.5	14.3	28.4	12.3	-	22.9	-	282.2
288.7	-	-	-	-	-	16.8	29.4	14.2	11.9	26.0	10.0	-	20.3	-	288.7
292.0	-	-	-	-	-	-	28.3	13.1	10.8	24.9	8.8	-	19.0	-	292.0
295.3	-	-	-	-	-	-	27.1	11.9	9.7	23.8	-	-	17.6	-	295.3
308.4	-	-	-	-	-	-	-	-	-	19.4	-	-	13.0	-	308.4
311.7	-	-	-	-	-	-	-	-	-	18.3	-	-	12.0	-	311.7
321.5	-	-	-	-	-	-	-	-	-	-	-	-	9.0	-	321.5


 55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb


 16 / 16: 52.5 ft x 52.5 ft

Lifting capacities for outrigger bases not listed (39.4 ft x 39.4 ft, 45.9 ft x 45.9 ft) are always lower than all other values or the boom length cannot be erected (see overview page 14).



[illegible]

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

SSL_1: 36.1 ft – 62.3 ft

SSL_2, SSL_3, SSL_4:  36.1 ft – 68.9 ft

496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5	
 ft	 SSL	216.5 ft				236.2 ft				255.9 ft				275.6 ft			
		SSL_1		SSL_2	SSL_3	SSL_4	SSL_1		SSL_2	SSL_3	SSL_4	SSL_1		SSL_2	SSL_3	SSL_4	
		0 lb	0 lb-716.6 klb			0 lb	0 lb-716.6 klb			0 lb	0 lb-716.6 klb			0 lb	0 lb-716.6 klb		
1,000 lb																	
32.8	943.6	1122.2	1122.2	1122.2	1122.2	934.8	981.1	981.1	981.1	981.1	-	-	-	-	-	-	-
36.1	843.3	1122.2	1122.2	1122.2	1122.2	837.8	981.1	981.1	981.1	981.1	804.7	853.2	-	910.5	910.5	727.5	767.2
39.4	743.0	1122.2	1122.2	1122.2	1122.2	745.2	981.1	981.1	981.1	981.1	751.8	853.2	-	910.5	910.5	709.9	767.2
42.7	673.5	1122.2	1122.2	1122.2	1122.2	674.6	981.1	981.1	981.1	981.1	681.2	853.2	866.4	910.5	910.5	657.0	767.2
45.9	604.1	1122.2	1122.2	1122.2	1122.2	604.1	981.1	981.1	981.1	981.1	610.7	853.2	875.2	910.5	910.5	608.5	767.2
52.5	504.9	1115.5	1122.2	1122.2	1122.2	504.9	981.1	981.1	981.1	981.1	509.3	853.2	875.2	910.5	910.5	507.1	767.2
59.1	432.1	1053.8	1104.5	1108.9	1106.7	429.9	981.1	981.1	981.1	981.1	434.3	840.0	862.0	910.5	910.5	432.1	765.0
65.6	374.8	945.8	1000.9	996.5	994.3	372.6	941.4	981.1	981.1	981.1	374.8	833.3	853.2	910.5	910.5	372.6	751.8
72.2	328.5	855.4	906.1	901.7	899.5	326.3	851.0	903.9	897.3	892.9	328.5	826.7	846.6	892.9	890.7	326.3	745.2
78.7	291.0	780.4	826.7	822.3	822.3	288.8	776.0	824.5	820.1	815.7	291.0	776.0	824.5	815.7	811.3	286.6	738.5
85.3	260.1	716.5	760.6	756.2	754.0	257.9	714.3	756.2	751.8	747.4	257.9	712.1	756.2	747.4	743.0	255.7	709.9
91.9	233.7	661.4	703.3	698.9	696.7	231.5	659.2	698.9	694.5	690.0	231.5	659.2	698.9	690.0	685.6	229.3	654.8
98.4	211.6	615.1	652.6	648.2	646.0	208.3	610.7	648.2	643.8	639.3	209.4	610.7	648.2	639.3	634.9	206.1	606.3
111.5	179.3	540.1	573.2	570.3	568.1	173.8	537.2	568.8	565.9	561.4	174.9	535.7	570.3	561.4	557.0	170.9	531.3
124.7	151.0	474.7	504.1	501.2	499.0	145.5	472.5	500.4	497.5	493.8	146.2	471.8	501.9	493.8	490.2	141.1	467.4
137.8	126.8	418.9	445.3	440.9	438.7	123.5	416.7	443.1	438.7	436.5	123.5	418.9	443.1	436.5	434.3	116.8	414.5
150.9	109.7	377.7	401.2	396.8	396.1	106.0	375.5	399.0	394.6	392.4	106.0	376.3	399.0	392.4	388.7	101.0	373.3
164.0	94.6	340.2	362.3	357.9	357.9	90.5	338.8	360.1	355.7	353.5	90.3	338.8	360.1	353.5	349.1	86.1	336.6
177.2	81.4	306.4	328.5	324.1	324.1	76.9	306.4	326.3	321.9	319.7	76.5	306.4	326.3	319.7	315.3	72.3	304.2
190.3	71.1	264.1	286.2	281.8	280.0	66.5	278.5	299.8	295.4	291.7	65.9	281.5	299.8	291.7	288.8	61.4	277.8
193.6	68.6	257.9	275.6	271.2	269.0	63.9	271.5	293.2	288.8	284.8	63.3	275.2	293.2	284.8	282.2	58.7	271.2
203.4	-	-	-	-	-	57.1	246.9	269.0	264.6	260.1	56.4	257.2	275.6	267.5	264.6	51.7	254.3
210.0	-	-	-	-	-	52.9	229.3	251.3	246.9	242.5	52.1	245.4	264.6	257.2	253.5	47.5	244.0
216.5	-	-	-	-	-	-	-	-	-	-	47.8	233.7	253.5	246.9	242.5	43.2	233.7
229.7	-	-	-	-	-	-	-	-	-	-	41.0	205.0	224.9	216.1	211.6	36.3	213.8
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.9	191.4
246.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.4	185.2

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SSL_1:  36.1 ft – 62.3 ft

SSL_2, SSL_3, SSL_4:  36.1 ft – 68.9 ft

496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5							
		295.3 ft				315.0 ft				334.6 ft				354.3 ft											
		SSL_1		SSL_2	SSL_3	SSL_4	SSL_1		SSL_2	SSL_3	SSL_4	SSL_1		SSL_2	SSL_3	SSL_4	SSL_1		SSL_2	SSL_3	SSL_4				
		0 lb		0 lb-716.6 klb				0 lb		0 lb-716.6 klb				0 lb		0 lb-716.6 klb				0 lb		0 lb-716.6 klb			
ft		1,000 lb																							
39.4	646.0	683.4	-	765.0	765.0	573.2	604.1	-	692.3	692.3	-	-	-	-	-	-	-	-	-	-	-				
42.7	606.3	683.4	-	765.0	765.0	560.0	604.1	-	692.3	692.3	507.1	535.7	-	692.3	692.3	449.7	471.8	-	619.5	619.5					
45.9	588.6	683.4	694.5	765.0	765.0	557.8	604.1	-	692.3	692.3	507.1	535.7	-	692.3	692.3	449.7	471.8	-	619.5	619.5					
49.2	549.0	683.4	703.3	765.0	765.0	521.4	604.1	612.9	692.3	692.3	481.7	535.7	-	692.3	692.3	445.3	471.8	-	619.5	619.5					
52.5	509.3	683.4	703.3	765.0	765.0	491.6	604.1	621.7	692.3	692.3	474.0	535.7	544.5	692.3	692.3	443.1	471.8	480.6	619.5	619.5					
59.1	434.3	683.4	703.3	765.0	765.0	432.1	604.1	621.7	692.3	692.3	416.7	535.7	551.2	692.3	692.3	403.4	471.8	485.0	619.5	619.5					
65.6	374.8	679.0	703.3	765.0	765.0	372.6	604.1	621.7	692.3	692.3	370.4	535.7	551.2	692.3	692.3	359.4	471.8	485.0	619.5	619.5					
72.2	326.3	670.2	692.3	765.0	765.0	324.1	599.7	621.7	692.3	692.3	324.1	533.5	551.2	687.8	692.3	321.9	469.6	482.8	619.5	619.5					
78.7	288.8	668.0	679.0	765.0	765.0	286.6	593.0	612.9	692.3	692.3	284.4	529.1	546.7	676.8	692.3	284.4	463.0	480.6	619.5	619.5					
85.3	255.7	661.4	663.6	738.5	734.1	253.5	590.8	606.3	692.3	692.3	251.3	524.7	544.5	665.8	683.4	251.3	456.4	474.0	608.5	619.5					
91.9	229.3	637.1	648.2	681.2	676.8	227.1	584.2	590.8	676.8	672.4	224.9	520.3	531.3	657.0	663.6	222.7	451.9	469.6	599.7	619.5					
98.4	207.2	606.3	637.1	630.5	626.1	203.9	564.4	575.4	626.1	623.9	201.7	513.7	520.3	623.9	621.7	199.5	447.5	460.8	597.5	608.5					
111.5	172.0	531.3	563.6	552.6	548.2	168.7	515.1	540.1	548.2	544.5	166.4	480.6	504.9	546.0	542.3	163.5	427.7	448.3	534.3	536.5					
124.7	141.8	467.4	498.2	485.0	481.3	138.5	464.4	494.6	480.6	476.9	136.3	449.0	478.4	478.4	474.7	133.3	410.8	428.4	474.7	471.8					
137.8	116.8	414.5	440.9	427.7	425.5	113.5	410.1	438.7	423.3	421.1	111.3	407.9	434.3	421.1	418.9	108.9	394.6	412.3	418.9	414.5					
150.9	101.3	373.3	396.8	385.1	382.9	96.0	368.9	393.2	380.7	378.5	93.4	368.2	391.7	379.9	376.3	90.5	360.8	382.9	376.3	371.8					
164.0	86.5	336.6	357.9	346.9	344.7	81.1	332.9	354.2	342.5	340.2	78.2	332.2	353.5	342.5	338.8	74.3	328.5	351.3	338.0	334.4					
177.2	72.5	304.2	324.1	313.1	310.9	68.6	302.0	321.9	308.6	306.4	65.7	299.8	319.7	308.6	306.4	60.2	297.6	317.5	304.2	302.0					
190.3	61.5	279.3	296.2	285.1	282.9	57.5	275.6	293.9	282.2	280.0	54.7	274.8	291.7	282.2	280.0	50.5	272.6	291.0	277.8	275.6					
203.4	51.6	255.7	271.9	260.9	257.9	47.6	252.1	269.0	257.9	255.7	44.6	251.3	266.8	257.9	255.7	41.1	249.1	266.0	253.5	251.3					
216.5	42.8	233.7	251.3	240.3	235.9	38.8	231.5	246.9	235.9	233.7	35.5	229.3	244.7	235.9	233.7	32.0	227.1	242.5	231.5	229.3					
229.7	35.7	217.5	232.2	221.9	219.0	31.6	214.6	229.3	218.3	216.1	28.1	212.4	227.8	217.4	215.0	24.5	210.2	224.9	213.8	211.6					
242.8	29.3	200.3	215.0	205.0	201.7	25.0	198.8	213.1	202.1	199.5	21.5	196.9	211.6	200.6	198.4	17.6	194.4	208.6	197.3	195.1					
255.9	23.6	181.9	199.5	188.5	184.1	19.0	184.1	198.4	187.4	184.1	15.4	183.0	196.2	185.2	183.0	11.5	179.7	192.9	181.9	179.7					
262.5	21.2	170.9	190.7	176.4	172.0	16.5	175.6	190.5	179.3	176.0	12.8	176.4	189.6	178.9	176.7	-	172.7	186.7	175.6	173.4					
265.7	-	-	-	-	-	15.3	171.4	186.5	175.3	172.0	11.5	173.1	186.0	175.8	173.6	-	169.2	183.5	172.5	170.3					
269.0	-	-	-	-	-	14.1	167.2	182.5	171.2	167.9	-	169.0	182.4	172.7	170.5	-	165.7	180.4	169.4	167.2					
275.6	-	-	-	-	-	11.7	158.7	174.2	163.1	159.8	-	160.9	175.3	166.4	164.2	-	158.7	174.2	163.1	160.9					
278.9	-	-	-	-	-	-	154.3	169.8	157.6	154.3	-	157.3	171.6	162.8	160.4	-	154.5	170.1	160.4	158.0					
282.2	-	-	-	-	-	-	-	-	-	-	-	153.6	167.9	159.1	156.5	-	150.3	166.1	157.6	155.1					
295.3	-	-	-	-	-	-	-	-	-	-	-	138.9	153.2	144.4	141.1	-	133.4	149.9	146.6	143.3					
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119.8	136.7	131.2	129.0					
315.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114.6	130.1	123.5	121.3					


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

SSL_1:  36.1 ft – 62.3 ft

SSL_2, SSL_3, SSL_4:  36.1 ft – 68.9 ft

496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5						
		177.2 ft		196.9 ft		216.5 ft		236.2 ft		255.9 ft		265.8 ft				
		LSL_2						LSL_1		LSL_2		LSL_15				
		0 lb - 716.6 klb		0 lb - 716.6 klb		0 lb - 716.6 klb		0 lb		0 lb - 716.6 klb		0 lb - 716.6 klb				
ft		1,000 lb														ft
26.2	765.0	765.0	-	-	-	-	-	-	-	-	-	-	-	-	-	26.2
29.5	765.0	765.0	765.0	765.0	765.0	765.0	-	-	-	-	-	-	-	-	-	29.5
32.8	765.0	765.0	765.0	765.0	765.0	765.0	754.0	765.0	765.0	705.5	749.6	762.8	765.0	765.0	765.0	32.8
36.1	765.0	765.0	765.0	765.0	763.9	765.0	749.6	765.0	765.0	705.5	749.6	762.8	765.0	712.1	765.0	36.1
39.4	765.0	765.0	765.0	765.0	762.8	765.0	749.6	765.0	765.0	705.5	749.6	762.8	765.0	712.1	765.0	39.4
45.9	628.3	765.0	626.1	765.0	621.7	765.0	628.3	765.0	765.0	623.9	749.6	762.8	765.0	575.4	765.0	45.9
52.5	529.1	765.0	524.7	765.0	520.3	765.0	526.9	765.0	765.0	522.5	749.6	762.8	765.0	478.4	765.0	52.5
59.1	454.2	765.0	449.7	765.0	445.3	765.0	451.9	765.0	765.0	447.5	734.1	745.2	765.0	405.7	765.0	59.1
65.6	396.8	765.0	392.4	765.0	388.0	765.0	392.4	765.0	765.0	388.0	729.7	743.0	765.0	348.3	765.0	65.6
72.2	350.5	765.0	346.1	765.0	341.7	765.0	346.1	765.0	765.0	341.7	729.7	740.8	765.0	304.2	765.0	72.2
78.7	313.1	765.0	308.6	765.0	304.2	765.0	308.6	747.4	765.0	304.2	709.9	720.9	765.0	266.8	765.0	78.7
85.3	282.2	734.1	277.8	729.7	271.2	725.3	277.8	723.1	725.3	271.2	681.2	690.0	727.5	239.8	726.4	85.3
91.9	255.7	681.2	251.3	676.8	244.7	670.2	249.1	676.8	672.4	244.7	652.6	661.4	690.0	212.7	687.8	91.9
98.4	235.9	632.7	227.1	628.3	222.7	623.9	227.1	628.3	623.9	222.7	623.9	619.5	643.8	192.4	640.4	98.4
111.5	201.4	557.8	195.5	554.8	191.1	549.0	193.3	553.4	550.4	188.1	549.0	546.0	560.0	156.5	556.7	111.5
124.7	172.0	491.6	167.6	489.4	163.1	484.3	165.0	488.0	485.8	159.8	484.3	482.1	491.6	129.0	489.4	124.7
137.8	147.7	434.3	143.3	432.1	138.9	429.9	142.2	432.1	429.9	137.8	429.9	427.7	437.3	108.3	435.0	137.8
150.9	130.1	369.6	125.7	391.0	120.5	387.3	124.6	391.0	388.7	119.4	387.3	386.5	390.2	91.3	388.0	150.9
160.8	117.9	332.9	113.6	357.5	108.1	357.9	112.4	362.3	360.1	106.9	357.9	357.9	362.7	80.6	360.5	160.8
164.0	-	-	110.5	344.7	104.9	349.8	109.0	354.2	352.0	103.6	349.8	349.8	353.5	77.0	351.3	164.0
177.2	-	-	97.7	299.8	91.9	317.5	95.5	321.9	319.7	90.4	317.5	317.5	321.1	64.3	318.9	177.2
190.3	-	-	-	-	81.4	275.1	84.9	295.4	294.7	79.8	292.5	291.0	293.2	53.1	291.0	190.3
193.6	-	-	-	-	78.7	264.6	82.2	288.8	288.4	77.2	286.2	284.4	287.3	50.9	285.1	193.6
203.4	-	-	-	-	-	-	75.3	265.7	264.6	70.3	266.0	263.8	269.7	44.3	267.5	203.4
210.0	-	-	-	-	-	-	71.0	249.1	246.9	66.0	252.1	249.9	257.9	39.9	255.7	210.0
216.5	-	-	-	-	-	-	-	-	-	61.7	238.1	235.9	248.2	36.4	246.2	216.5
226.4	-	-	-	-	-	-	-	-	-	56.4	218.3	217.2	233.7	31.3	231.9	226.4
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5	227.1	229.7
236.2	-	-	-	-	-	-	-	-	-	-	-	-	-	26.5	219.4	236.2

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1, LSL_2: 36.1 ft – 62.3 ft

LSL_15: 42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5								
		275.6 ft		285.5 ft		295.3 ft		305.1 ft		315.0 ft								
		LSL_1		LSL_2		LSL_15		LSL_1		LSL_2		LSL_7		LSL_15				
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						
ft		1,000 lb														ft		
36.1	588.6	623.9	692.3	765.0	754.0	765.0	544.5	571.0	632.7	765.0	-	-	-	-	-	36.1		
39.4	588.6	623.9	692.3	765.0	685.6	765.0	544.5	566.6	628.3	765.0	657.0	765.0	467.4	485.0	549.0	604.1	765.0	39.4
45.9	588.6	623.9	692.3	765.0	571.0	765.0	544.5	562.2	626.1	765.0	557.8	765.0	467.4	480.6	546.7	604.1	765.0	45.9
52.5	531.3	619.5	692.3	765.0	474.0	765.0	520.3	560.0	623.9	765.0	469.6	765.0	465.2	476.2	546.7	604.1	765.0	52.5
59.1	454.2	608.5	676.8	765.0	401.2	765.0	454.2	555.6	621.7	765.0	396.8	765.0	445.3	471.8	546.7	604.1	765.0	59.1
65.6	394.6	593.0	657.0	765.0	343.9	765.0	392.4	540.1	599.7	765.0	339.5	765.0	390.2	463.0	546.7	599.7	765.0	65.6
72.2	346.1	582.0	648.2	765.0	299.8	765.0	346.1	526.9	582.0	765.0	295.4	765.0	343.9	451.9	546.7	590.8	765.0	72.2
78.7	308.6	571.0	637.1	765.0	262.4	765.0	306.4	513.7	566.6	765.0	257.9	765.0	304.2	440.9	546.7	588.6	765.0	78.7
85.3	275.6	551.2	612.9	725.3	235.3	723.1	273.4	498.2	551.2	722.0	230.4	720.9	271.2	429.9	546.7	588.6	719.8	85.3
91.9	249.1	529.1	588.6	685.6	208.3	681.2	246.9	478.4	526.9	679.0	202.8	676.8	244.7	416.7	537.9	586.4	674.6	91.9
98.4	227.1	507.1	562.2	638.2	187.9	634.9	224.9	460.8	502.7	632.7	182.4	629.4	220.5	401.2	518.1	564.4	628.3	98.4
111.5	191.8	464.4	512.2	554.5	151.6	552.3	188.9	422.6	460.0	550.1	146.1	545.6	185.9	370.4	485.0	515.9	544.5	111.5
124.7	162.0	423.3	465.2	487.2	123.5	485.0	158.7	384.3	418.9	483.9	118.3	480.6	156.5	339.5	459.3	465.2	478.4	124.7
137.8	137.8	383.6	421.1	432.8	103.0	430.6	134.5	346.1	379.2	429.9	97.1	427.7	132.3	308.6	421.1	412.3	425.5	137.8
150.9	120.9	351.3	382.9	385.8	86.4	383.6	118.3	316.7	345.4	381.4	78.3	379.2	114.2	282.2	379.9	371.1	377.0	150.9
164.0	105.8	321.1	346.1	349.1	72.0	346.9	103.2	289.5	313.8	346.1	65.6	343.9	99.0	257.9	343.9	335.1	341.7	164.0
177.2	92.6	293.2	310.9	316.7	59.2	314.5	89.1	264.6	284.4	313.8	53.7	311.6	86.6	235.9	313.1	304.2	309.4	177.2
190.3	81.7	266.8	280.0	288.8	48.1	286.6	78.0	241.8	257.9	284.4	42.5	282.2	75.5	216.1	286.6	277.8	280.0	190.3
203.4	71.9	242.1	251.3	265.3	39.2	263.1	68.1	221.2	233.0	260.9	33.6	258.7	65.5	196.6	263.1	254.3	257.9	203.4
216.5	63.1	219.4	227.1	244.0	31.3	241.8	59.3	200.6	209.4	240.3	25.5	237.7	56.7	178.6	242.5	233.7	237.4	216.5
229.7	56.0	199.2	205.8	224.9	24.3	222.7	52.1	183.0	190.0	222.7	18.3	219.4	49.3	162.4	225.6	216.8	218.3	229.7
242.8	49.5	183.7	184.1	209.9	18.5	208.0	45.6	166.1	172.7	206.5	12.4	203.9	42.6	147.0	209.8	201.4	202.4	242.8
246.1	48.1	179.7	178.6	206.1	17.1	204.3	44.1	163.1	168.1	202.5	10.9	200.1	41.1	143.3	206.1	197.9	198.4	246.1
249.3	-	-	-	-	15.7	200.6	42.6	160.2	163.5	198.4	9.5	196.2	39.6	139.6	202.5	194.4	195.1	249.3
252.6	-	-	-	-	14.3	197.3	41.2	157.3	158.9	195.1	-	192.9	38.1	136.0	198.8	190.9	191.8	252.6
255.9	-	-	-	-	-	-	39.7	154.3	154.3	191.8	-	189.6	36.6	132.3	195.1	187.4	188.5	255.9
262.5	-	-	-	-	-	-	37.0	146.6	146.6	185.2	-	183.0	34.2	125.3	187.4	178.6	181.9	262.5
269.0	-	-	-	-	-	-	-	-	-	-	-	176.4	31.7	118.3	179.7	169.8	175.3	269.0
278.9	-	-	-	-	-	-	-	-	-	-	-	-	28.2	108.7	167.6	156.5	166.4	278.9


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

LSL_1, LSL_2, LSL_7:  36.1 ft – 62.3 ft

LSL_15:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5					
324.8 ft		334.6 ft								344.5 ft					
LSL_7		LSL_15	LSL_1		LSL_2	LSL_7	LSL_9	LSL_11	LSL_15	LSL_7		LSL_9	LSL_11	LSL_15	
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb			
ft		1,000 lb												ft	
39.4	533.5	573.2	692.3	427.7	443.1	491.6	542.3	606.3	619.5	692.3	-	-	-	-	39.4
42.7	531.3	573.2	692.3	427.7	443.1	490.5	542.3	606.3	618.4	692.3	482.8	515.9	579.8	595.2	42.7
45.9	529.1	573.2	692.3	427.7	443.1	489.4	542.3	606.3	617.3	692.3	482.8	515.9	579.8	593.0	45.9
52.5	476.2	573.2	692.3	427.7	443.1	489.4	542.3	606.3	617.3	692.3	460.8	515.9	579.8	590.8	52.5
59.1	418.9	573.2	692.3	423.3	443.1	489.4	542.3	601.9	610.7	692.3	403.4	515.9	575.4	586.4	59.1
65.6	370.4	573.2	692.3	385.8	440.9	489.4	542.3	599.7	604.1	692.3	359.4	515.9	571.0	579.8	65.6
72.2	326.3	562.2	692.3	341.7	440.9	489.4	531.3	597.5	599.7	692.3	321.9	507.1	568.8	577.6	72.2
78.7	286.6	555.6	692.3	304.2	438.7	489.4	522.5	586.4	590.8	692.3	282.2	493.8	560.0	573.2	78.7
85.3	253.5	555.6	682.3	271.2	436.5	489.4	520.3	579.8	584.2	680.1	249.1	489.4	549.0	564.4	85.3
91.9	227.1	555.6	672.4	242.5	434.3	489.4	518.1	571.0	573.2	668.0	222.7	487.2	542.3	557.8	91.9
98.4	203.9	537.9	625.0	220.5	434.3	485.0	509.3	551.2	557.8	621.7	199.5	482.8	524.7	540.1	98.4
111.5	168.7	504.1	541.2	184.5	415.2	467.4	474.7	511.5	524.0	539.0	163.5	449.7	486.5	504.9	111.5
124.7	138.5	460.8	476.2	154.0	390.2	443.1	440.9	473.3	484.3	472.9	133.5	419.6	449.0	468.9	124.7
137.8	113.5	407.9	424.0	129.0	374.8	416.7	405.7	436.5	438.7	420.3	109.3	390.2	412.3	432.1	137.8
150.9	95.9	368.2	377.0	111.2	357.1	377.0	366.0	395.4	394.6	374.8	91.1	359.4	379.9	391.0	150.9
164.0	80.9	332.9	341.7	96.0	338.8	341.0	330.7	358.6	356.4	338.0	75.1	328.5	349.8	353.5	164.0
177.2	68.6	302.0	309.4	83.6	315.3	308.6	299.8	326.3	324.1	305.7	61.3	297.6	321.9	319.7	177.2
190.3	57.4	277.0	280.0	72.4	288.8	283.7	274.8	298.4	296.2	277.8	51.6	272.6	295.4	293.2	190.3
203.4	47.3	253.5	256.5	62.3	264.6	260.1	251.3	273.4	271.2	254.3	42.3	249.9	271.2	269.0	203.4
216.5	38.4	231.5	235.5	53.4	242.5	238.1	229.3	251.3	249.1	233.3	33.3	229.3	249.1	246.9	216.5
229.7	31.2	214.6	217.2	45.9	226.3	221.9	213.1	232.2	230.0	215.0	25.9	211.6	230.0	228.5	229.7
242.8	24.5	199.2	201.0	39.1	210.9	206.5	197.7	215.3	213.5	199.3	19.3	193.3	210.9	212.0	242.8
255.9	18.5	185.2	186.3	33.1	196.2	191.8	183.0	200.6	199.5	185.2	13.2	174.2	191.8	197.3	255.9
265.7	14.7	174.2	176.4	29.2	186.8	182.4	171.7	189.6	189.6	175.3	9.3	160.9	178.6	185.7	265.7
269.0	13.4	170.5	173.1	27.9	183.7	179.3	168.0	185.9	186.3	172.0	-	156.2	174.2	181.9	269.0
278.9	9.7	158.7	164.8	24.3	174.0	169.4	155.2	173.9	176.4	163.1	-	144.8	161.7	167.4	278.9
282.2	-	154.3	162.0	23.2	170.5	165.7	150.6	169.2	172.6	160.2	-	140.7	158.0	162.8	282.2
288.7	-	145.5	156.5	21.1	163.5	158.4	141.5	159.8	165.1	154.3	-	132.6	150.6	153.6	288.7
295.3	-	-	-	19.0	156.5	151.0	135.6	152.1	157.6	148.8	-	124.6	143.3	147.7	295.3
305.1	-	-	-	-	-	-	-	-	-	-	-	114.6	131.2	136.7	305.1

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7: 36.1 ft – 62.3 ft

LSL_9 – LSL_11: 36.1 ft – 68.9 ft

LSL_15: 42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft						39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5		
		354.3 ft								364.2 ft						
		LSL_1		LSL_2	LSL_7	LSL_9	LSL_11	LSL_15	LSL_7		LSL_9	LSL_11	LSL_15			
		0 lb	0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb					
ft		1,000 lb												ft		
42.7	388.0	401.2	440.9	493.8	544.5	544.5	619.5	440.9	469.6	524.7	544.5	619.5	42.7			
45.9	388.0	401.2	440.9	493.8	544.5	544.5	619.5	440.9	469.6	524.7	544.5	619.5	45.9			
52.5	388.0	401.2	440.9	493.8	544.5	544.5	619.5	432.1	467.4	524.7	542.3	619.5	52.5			
59.1	388.0	401.2	440.9	491.6	544.5	544.5	619.5	390.2	465.2	524.7	540.1	619.5	59.1			
65.6	372.6	401.2	440.9	491.6	544.5	544.5	619.5	346.1	460.8	524.7	535.7	619.5	65.6			
72.2	335.1	401.2	440.9	485.0	544.5	544.5	619.5	310.9	456.4	524.7	533.5	619.5	72.2			
78.7	302.0	399.0	438.7	474.0	544.5	544.5	619.5	280.0	447.5	524.7	531.3	619.5	78.7			
85.3	269.0	396.8	438.7	465.2	544.5	544.5	619.5	246.9	440.9	520.3	518.1	610.7	85.3			
91.9	240.3	396.8	438.7	460.8	540.1	537.9	619.5	220.5	434.3	520.3	509.3	601.9	91.9			
98.4	218.3	396.8	438.7	456.4	533.5	522.5	595.2	197.3	429.9	515.9	498.2	580.9	98.4			
111.5	181.5	386.5	427.0	427.0	501.2	484.3	534.6	161.3	403.4	482.1	460.0	526.9	111.5			
124.7	150.6	372.6	410.8	397.6	470.3	446.8	468.5	131.0	376.3	455.6	423.3	465.2	124.7			
137.8	125.7	363.8	399.0	368.2	436.5	410.1	415.9	106.5	348.3	432.1	388.0	413.0	137.8			
150.9	107.7	342.5	368.2	341.7	392.4	377.7	370.4	88.1	321.9	389.5	355.7	366.0	150.9			
164.0	91.7	328.5	336.6	315.3	353.5	346.9	335.1	71.9	296.2	351.3	325.5	330.7	164.0			
177.2	77.6	310.9	304.2	288.8	319.7	317.5	303.5	58.0	271.2	317.5	297.6	299.1	177.2			
190.3	67.9	285.9	279.3	265.3	293.2	291.0	275.6	48.3	249.1	291.0	272.6	271.2	190.3			
203.4	58.5	262.4	256.5	242.5	269.0	266.8	252.1	38.9	227.4	266.8	249.9	249.1	203.4			
216.5	49.4	240.3	235.9	220.5	246.9	244.7	231.0	29.8	206.1	244.7	229.3	227.8	216.5			
229.7	41.9	223.4	219.0	202.1	228.5	226.3	212.7	22.4	187.8	226.3	210.9	210.5	229.7			
242.8	35.0	207.6	203.2	183.7	211.6	208.0	196.6	15.7	169.8	209.4	192.5	194.4	242.8			
255.9	28.7	192.9	188.5	165.3	196.2	189.6	181.9	9.5	153.2	194.0	175.3	179.7	255.9			
269.0	23.4	180.4	176.0	149.5	183.0	170.9	168.7	-	137.1	181.3	159.1	166.4	269.0			
282.2	18.5	169.0	164.5	133.0	171.6	154.7	156.9	-	122.7	169.4	142.9	154.7	282.2			
295.3	14.1	158.7	154.3	119.0	159.8	140.0	146.2	-	108.0	157.6	129.0	144.0	295.3			
308.4	10.2	144.6	139.3	105.6	148.4	124.1	136.7	-	95.0	146.6	114.9	134.5	308.4			
311.7	9.3	141.1	135.6	102.3	145.5	121.3	134.5	-	92.6	143.9	111.3	132.3	311.7			
321.5	-	-	-	-	-	-	-	-	82.7	135.6	101.9	125.7	321.5			
	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb								

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7: 36.1 ft – 62.3 ft

LSL_9 – LSL_11: 36.1 ft – 68.9 ft

LSL_15: 42.7 ft – 68.9 ft

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5															
374.0 ft 383.9 ft															
LSL_1 LSL_2 LSL_5 LSL_7 LSL_9 LSL_11 LSL_15 LSL_5 LSL_7 LSL_9 LSL_11 LSL_15															
0 lb 0 lb – 716.6 klb 0 lb 0 lb – 716.6 klb															
ft 1,000 lb ft															
42.7	350.5	363.8	396.8	418.9	440.9	498.2	524.7	612.9	-	-	-	-	-	-	42.7
45.9	350.5	363.8	396.8	418.9	440.9	498.2	522.5	612.9	379.2	396.8	416.7	476.2	500.4	544.5	45.9
52.5	350.5	363.8	396.8	418.9	440.9	498.2	520.3	612.9	379.2	396.8	416.7	476.2	496.0	544.5	52.5
59.1	350.5	363.8	396.8	418.9	440.9	498.2	518.1	612.9	370.4	396.8	416.7	476.2	496.0	544.5	59.1
65.6	350.5	363.8	396.8	418.9	440.9	498.2	509.3	612.9	341.7	396.8	416.7	474.0	487.2	544.5	65.6
72.2	324.1	363.8	396.8	418.9	440.9	498.2	507.1	612.9	306.4	396.8	416.7	471.8	480.6	544.5	72.2
78.7	293.2	361.6	396.8	416.7	440.9	498.2	504.9	610.7	277.8	396.8	414.5	471.8	478.4	544.5	78.7
85.3	264.6	359.4	394.6	416.7	438.7	496.0	493.8	599.7	251.3	394.6	414.5	469.6	469.6	544.5	85.3
91.9	235.9	359.4	394.6	414.5	436.5	491.6	482.8	588.6	224.9	392.4	412.3	467.4	458.6	544.5	91.9
98.4	213.8	359.4	394.6	412.3	434.3	485.0	471.8	571.0	202.8	390.2	410.1	463.0	445.3	536.8	98.4
111.5	177.1	352.0	385.8	395.4	421.8	454.2	436.5	522.5	166.1	382.9	401.2	445.3	411.5	508.2	111.5
124.7	146.2	343.2	375.5	378.5	403.4	422.6	402.0	463.0	135.2	366.0	386.5	421.8	378.5	458.6	124.7
137.8	121.3	332.9	363.8	368.2	390.2	399.0	368.2	410.8	110.2	352.7	370.4	401.2	346.1	407.1	137.8
150.9	103.2	319.7	353.5	352.0	356.4	368.9	337.3	363.8	92.2	343.9	348.3	375.5	316.7	361.6	150.9
164.0	87.1	306.4	332.9	330.7	324.1	343.2	308.6	328.5	76.1	325.5	321.9	346.9	289.5	326.3	164.0
177.2	73.0	297.6	302.0	299.8	293.2	315.3	282.2	296.9	61.9	297.6	291.0	313.1	264.6	294.7	177.2
190.3	63.3	278.5	277.0	274.8	268.2	288.8	258.7	269.0	50.9	271.2	266.0	286.6	241.0	266.8	190.3
203.4	53.8	258.7	254.3	252.1	245.4	264.6	236.3	246.9	41.5	248.4	243.2	262.4	219.0	243.2	203.4
216.5	44.5	238.1	233.7	231.5	224.9	242.5	215.0	224.9	33.7	229.3	222.7	240.3	198.4	222.7	216.5
229.7	37.0	220.5	216.8	214.6	208.0	221.9	197.3	207.2	26.1	211.6	205.8	222.7	181.5	205.0	229.7
242.8	30.2	204.3	201.0	198.8	192.5	203.9	180.8	191.8	19.2	195.8	189.2	206.1	165.7	188.9	242.8
255.9	24.0	189.6	186.3	184.1	178.6	188.5	165.3	177.5	13.0	181.9	175.3	190.7	151.0	174.2	255.9
262.5	21.4	183.4	180.0	177.5	172.3	181.9	157.6	170.9	10.1	175.3	169.0	184.1	143.7	167.6	262.5
269.0	18.7	177.1	173.8	170.9	166.1	175.3	149.9	164.2	-	169.2	162.8	177.5	136.3	160.9	269.0
282.2	13.8	165.7	162.0	159.8	153.6	163.1	135.6	152.5	-	157.6	151.4	165.3	122.2	149.9	282.2
295.3	9.3	155.4	151.0	148.8	141.1	152.1	120.2	141.8	-	146.6	141.1	154.3	109.1	138.9	295.3
308.4	-	145.1	140.7	137.8	129.3	141.8	104.7	132.3	-	137.1	128.6	144.8	95.7	129.0	308.4
321.5	-	133.4	129.0	125.2	117.4	132.3	90.9	123.5	-	125.7	116.8	134.5	78.2	117.9	321.5
331.4	-	123.5	119.0	114.6	108.2	125.7	80.9	116.8	-	115.7	108.6	126.2	63.5	108.6	331.4
334.6	-	-	-	-	-	-	-	-	-	112.4	105.8	123.5	60.0	104.8	334.6
337.9	-	-	-	-	-	-	-	-	-	109.8	102.5	121.3	55.1	101.0	337.9
0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb															

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7: 36.1 ft – 62.3 ft
 LSL_9 – LSL_11: 36.1 ft – 68.9 ft
 LSL_15: 42.7 ft – 68.9 ft

496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5							
 393.7 ft										 403.5 ft							
LSL_1		LSL_2		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15			
 0 lb		0 lb – 716.6 klb								 0 lb		0 lb – 716.6 klb					
ft		1,000 lb														ft	
45.9	302.0	310.9	343.9	361.6	401.2	451.9	469.6	485.0	544.5	330.7	343.9	377.0	432.1	447.5	463.0	522.5	45.9
52.5	302.0	310.9	341.7	361.6	401.2	451.9	469.6	485.0	544.5	330.7	343.9	377.0	432.1	447.5	463.0	522.5	52.5
59.1	302.0	308.6	341.7	361.6	401.2	451.9	469.6	485.0	544.5	330.7	343.9	377.0	432.1	447.5	463.0	522.5	59.1
65.6	299.8	308.6	341.7	361.6	399.0	451.9	467.4	485.0	544.5	326.3	343.9	377.0	432.1	447.5	463.0	522.5	65.6
72.2	299.8	308.6	341.7	361.6	399.0	449.7	465.2	482.8	544.5	297.6	343.9	377.0	429.9	445.3	460.8	522.5	72.2
78.7	286.6	306.4	341.7	359.4	399.0	449.7	463.0	478.4	544.5	269.0	341.7	374.8	429.9	443.1	460.8	520.3	78.7
85.3	260.1	304.2	339.5	357.1	396.8	447.5	463.0	478.4	537.9	244.7	341.7	372.6	427.7	443.1	458.6	510.4	85.3
91.9	238.1	304.2	339.5	354.9	392.4	445.3	460.8	476.2	531.3	222.7	339.5	370.4	425.5	440.9	456.4	500.4	91.9
98.4	215.0	302.0	339.5	354.9	390.2	443.1	456.4	471.8	518.1	200.6	339.5	370.4	423.3	438.7	451.9	486.1	98.4
111.5	178.2	299.1	336.6	350.5	382.9	429.2	443.1	438.7	487.2	163.9	336.6	364.5	413.0	426.2	420.3	455.3	111.5
124.7	147.0	294.7	331.4	338.0	371.8	411.5	423.3	407.9	448.6	133.2	329.2	353.5	393.2	410.1	392.4	422.2	124.7
137.8	121.3	288.8	324.1	328.5	357.1	394.6	405.7	372.6	404.9	108.7	317.5	341.7	377.0	394.6	361.6	391.0	137.8
150.9	103.0	281.5	316.7	316.7	342.5	374.1	376.3	341.7	359.4	90.2	307.9	330.0	356.4	371.1	326.3	361.6	150.9
164.0	86.8	272.6	308.6	304.2	319.7	346.9	344.7	311.6	324.1	73.9	299.1	310.9	335.8	342.5	296.2	326.3	164.0
177.2	72.5	262.4	299.8	295.4	288.8	313.1	310.9	282.2	292.5	59.7	293.2	284.4	310.9	308.6	266.8	294.7	177.2
190.3	61.2	253.5	274.8	270.4	263.8	285.1	284.4	254.3	264.6	48.6	268.2	259.4	282.9	282.2	238.8	266.8	190.3
203.4	51.6	243.2	252.1	248.4	241.0	260.9	260.1	228.2	241.0	39.1	245.4	237.4	258.7	257.9	216.1	242.5	203.4
216.5	43.7	235.9	231.5	229.3	220.5	240.3	238.1	203.9	220.5	31.3	224.9	218.3	238.1	235.9	194.0	222.3	216.5
229.7	36.2	219.7	214.6	211.6	203.6	221.9	220.5	183.4	202.8	23.8	208.7	200.6	219.7	218.3	172.0	203.9	229.7
242.8	29.2	204.3	198.8	195.8	187.4	204.7	203.6	164.5	186.7	16.9	193.6	184.8	202.8	202.2	153.6	187.8	242.8
255.9	22.7	189.6	184.1	181.9	173.1	189.6	188.5	147.7	172.0	10.6	179.7	170.9	187.4	186.3	136.7	173.1	255.9
259.2	21.4	186.5	181.0	178.6	170.1	186.3	185.4	144.4	168.7	9.0	176.4	167.7	184.1	183.0	133.4	169.8	259.2
269.0	17.4	177.1	171.7	169.0	161.3	176.4	176.0	134.5	158.7	-	167.1	158.4	174.2	173.1	123.5	159.8	269.0
282.2	12.4	165.1	160.2	157.6	149.9	164.2	163.9	122.4	147.7	-	155.4	147.0	160.9	160.9	111.6	142.9	282.2
292.0	8.8	156.5	152.5	149.4	141.6	156.0	155.1	114.1	139.4	-	147.2	139.3	151.0	152.7	103.6	130.4	292.0
295.3	-	154.3	149.9	146.6	138.9	153.2	152.1	111.3	136.7	-	144.4	136.7	147.7	149.9	101.0	126.4	295.3
308.4	-	144.8	140.4	137.8	128.6	143.7	142.6	104.4	126.8	-	135.6	127.1	136.0	140.4	93.0	110.2	308.4
321.5	-	135.2	130.1	127.5	117.9	133.7	133.0	98.9	111.2	-	126.0	116.8	125.3	131.2	86.1	95.7	321.5
334.6	-	125.7	119.0	115.7	106.5	123.5	123.5	94.8	96.8	-	115.7	106.3	115.7	122.4	81.4	81.8	334.6
347.8	-	113.5	107.8	104.1	94.4	113.5	112.4	93.3	82.7	-	104.5	94.8	108.6	112.1	79.1	67.9	347.8
354.3	-	-	-	-	-	-	-	-	-	-	98.8	89.1	105.4	106.9	78.0	61.3	354.3
	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb									

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7:  36.1 ft – 62.3 ft

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft

496,000 lb										 36.1 – 68.9 ft			 39.4 ft x 39.4 ft			 32.2 ft/s		360°		ASME B30.5	
 413.4 ft										 423.2 ft											
LSL_1 LSL_2 LSL_5 LSL_7 LSL_9 LSL_11 LSL_13 LSL_15										LSL_5 LSL_7 LSL_9 LSL_11 LSL_13 LSL_15											
0 lb 0 lb – 716.6 klb										0 lb 0 lb – 716.6 klb											
ft										1,000 lb										ft	
45.9	260.1	266.8	297.6	328.5	354.9	407.9	425.5	443.1	498.2	-	-	-	-	-	-	-	45.9				
49.2	259.0	266.8	297.6	328.5	354.9	406.8	425.5	443.1	498.2	299.8	308.6	335.1	390.2	405.7	421.1	467.4	49.2				
52.5	257.9	266.8	297.6	328.5	354.9	405.7	425.5	443.1	498.2	299.8	308.6	335.1	390.2	405.7	421.1	467.4	52.5				
59.1	257.9	266.8	297.6	328.5	354.9	405.7	425.5	443.1	498.2	299.8	308.6	335.1	388.0	405.7	421.1	467.4	59.1				
65.6	257.9	264.6	297.6	328.5	354.9	403.4	425.5	443.1	498.2	299.8	308.6	332.9	385.8	405.7	421.1	467.4	65.6				
72.2	257.9	264.6	295.4	328.5	354.9	401.2	423.3	440.9	498.2	286.6	308.6	332.9	383.6	403.4	421.1	467.4	72.2				
78.7	255.7	262.4	295.4	328.5	352.7	399.0	423.3	440.9	498.2	260.1	306.4	332.9	381.4	403.4	418.9	467.4	78.7				
85.3	253.5	260.1	295.4	326.3	352.7	399.0	421.1	438.7	492.7	235.9	306.4	332.9	381.4	401.2	418.9	463.0	85.3				
91.9	233.7	257.9	293.2	326.3	350.5	396.8	418.9	436.5	487.2	215.0	304.2	330.7	381.4	401.2	416.7	458.6	91.9				
98.4	213.8	257.9	293.2	324.1	348.3	394.6	416.7	432.1	475.1	196.2	304.2	328.5	377.0	396.8	412.3	447.5	98.4				
111.5	177.1	255.0	291.7	321.1	345.4	385.8	409.3	415.2	448.6	161.7	301.3	325.5	371.1	390.2	405.7	422.2	111.5				
124.7	145.9	251.3	288.8	315.3	335.8	374.1	389.5	394.6	418.9	131.6	296.9	318.2	360.8	374.8	385.8	392.4	124.7				
137.8	120.2	246.9	284.4	306.4	324.1	359.4	370.4	370.4	388.0	106.0	291.0	306.4	346.1	357.1	366.0	362.3	137.8				
150.9	101.8	242.5	277.0	297.6	313.8	343.2	349.8	343.9	357.1	87.4	283.7	297.6	330.7	338.8	341.0	332.9	150.9				
164.0	85.5	237.4	271.2	289.5	300.6	326.3	330.0	321.9	323.3	70.8	277.0	286.6	315.3	320.4	321.1	307.9	164.0				
177.2	71.2	231.5	266.8	282.2	284.4	308.6	306.4	299.8	292.5	56.4	271.2	277.8	302.0	304.2	302.0	283.7	177.2				
190.3	59.9	222.7	256.5	264.6	259.4	282.2	280.0	274.8	264.6	45.3	259.4	255.7	278.5	277.8	275.6	260.1	190.3				
203.4	50.3	214.6	246.2	245.4	237.0	257.9	256.5	249.1	239.6	35.1	243.2	234.8	255.7	253.5	251.3	238.1	203.4				
216.5	42.3	209.4	231.5	224.9	217.2	235.9	235.9	222.7	220.1	26.0	222.7	215.0	233.7	231.5	229.3	217.2	216.5				
229.7	34.7	203.9	214.6	208.0	200.3	218.3	217.4	199.5	201.7	19.5	205.8	197.3	215.2	213.8	206.7	197.3	229.7				
242.8	27.7	197.3	198.8	192.2	184.5	201.0	199.9	179.7	185.6	13.0	189.6	181.5	196.9	195.1	184.8	178.2	242.8				
249.3	24.5	192.9	191.4	184.8	177.1	192.5	191.4	169.8	177.5	9.7	181.9	174.5	186.7	185.2	174.5	168.7	249.3				
255.9	21.4	188.5	184.1	177.5	169.8	184.1	183.0	159.8	170.9	-	175.3	167.6	176.4	175.3	164.2	160.2	255.9				
269.0	15.9	176.0	171.7	165.7	157.3	167.2	166.1	143.7	157.6	-	162.8	155.1	157.3	156.9	146.6	143.3	269.0				
282.2	10.9	163.9	160.9	154.3	145.9	152.1	151.4	129.0	144.4	-	151.4	143.3	141.1	141.1	130.4	127.5	282.2				
285.4	9.7	160.9	158.2	151.6	143.3	148.8	148.3	125.7	140.5	-	148.8	140.5	137.8	137.8	126.8	123.8	285.4				
295.3	-	153.2	149.9	143.3	135.6	138.9	138.9	115.7	129.0	-	141.1	132.3	127.9	127.9	115.7	113.0	295.3				
308.4	-	143.7	140.4	134.5	126.0	127.1	127.9	106.3	113.5	-	131.5	123.5	116.8	116.8	105.2	98.5	308.4				
321.5	-	134.8	131.5	125.3	116.4	116.8	117.4	98.1	98.8	-	122.7	114.3	106.7	107.3	96.3	84.4	321.5				
334.6	-	126.8	123.5	115.7	105.6	107.8	108.7	91.9	84.5	-	114.6	104.7	97.4	98.1	88.8	70.8	334.6				
347.8	-	117.2	112.9	105.7	95.8	100.3	101.5	88.8	70.8	-	104.9	94.9	89.5	90.5	84.6	57.5	347.8				
360.9	-	106.9	102.1	94.7	85.4	93.5	94.9	87.0	57.4	-	94.7	84.9	82.4	83.6	81.9	45.2	360.9				
364.2	-	104.1	99.4	91.9	82.7	91.9	93.5	86.9	54.0	-	92.0	82.3	80.8	82.1	81.7	42.8	364.2				
374.0	-	-	-	-	-	-	-	-	-	-	84.2	74.7	76.1	77.6	80.9	33.3	374.0				

 0 lb

 143,300 lb

 275,600 lb

 363,800 lb

 452,000 lb

 540,200 lb

 628,400 lb

 716,600 lb

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7: 36.1 ft – 62.3 ft

LSL_9 – LSL_13: 36.1 ft – 68.9 ft

LSL_15: 42.7 ft – 68.9 ft

496,000 lb				36.1 – 68.9 ft				39.4 ft x 39.4 ft				32.2 ft/s				360°				ASME B30.5											
433.1 ft				442.9 ft																											
LSL_1				LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_15	LSL_5				LSL_7	LSL_9	LSL_11	LSL_13	LSL_15												
0 lb				0 lb – 716.6 klb								0 lb				0 lb – 716.6 klb															
ft				1,000 lb																ft											
49.2	220.5	227.1	257.9	286.6	310.9	354.9	370.4	405.7	429.9	264.6	273.4	295.4	337.3	352.7	385.8	407.9	49.2														
52.5	220.5	227.1	257.9	286.6	310.9	354.9	370.4	405.7	429.9	264.6	273.4	295.4	337.3	350.5	385.8	407.9	52.5														
59.1	220.5	224.9	257.9	286.6	310.9	354.9	370.4	403.4	429.9	264.6	271.2	293.2	337.3	350.5	385.8	407.9	59.1														
65.6	220.5	224.9	255.7	286.6	310.9	354.9	370.4	403.4	429.9	264.6	271.2	293.2	337.3	350.5	385.8	407.9	65.6														
72.2	219.4	222.7	255.7	286.6	308.6	354.9	368.2	401.2	429.9	264.6	271.2	293.2	335.1	350.5	385.8	407.9	72.2														
78.7	218.3	222.7	255.7	284.4	308.6	352.7	368.2	399.0	429.9	253.5	271.2	293.2	335.1	348.3	383.6	407.9	78.7														
85.3	216.1	220.5	253.5	284.4	308.6	350.5	366.0	396.8	429.9	229.3	269.0	291.0	332.9	348.3	381.4	407.9	85.3														
91.9	215.0	219.4	253.5	282.2	306.4	348.3	363.8	396.8	429.9	209.4	269.0	291.0	332.9	346.1	379.2	407.9	91.9														
98.4	209.4	218.3	251.3	280.0	306.4	346.1	361.6	394.6	427.7	190.7	266.8	288.8	330.7	343.9	379.2	405.7	98.4														
111.5	173.4	215.0	249.9	277.0	303.5	341.7	357.1	390.2	423.3	157.6	265.3	285.9	324.8	339.5	374.1	402.3	111.5														
124.7	142.9	211.6	247.7	273.4	298.4	330.7	341.7	375.5	409.0	128.7	262.4	282.2	316.7	329.2	363.0	390.2	124.7														
137.8	117.9	207.2	244.7	269.0	291.0	317.5	328.5	354.9	382.9	103.8	257.9	277.8	306.4	317.5	343.9	368.2	137.8														
150.9	100.0	202.8	240.3	261.6	283.7	306.4	315.3	332.2	350.5	85.0	252.1	270.4	295.4	305.0	319.7	341.7	150.9														
164.0	83.9	198.4	235.9	254.3	276.3	296.9	302.8	307.9	319.7	68.5	246.2	263.8	287.3	293.9	297.6	313.8	164.0														
177.2	69.7	194.0	231.5	249.1	269.0	286.6	293.2	284.4	289.5	54.2	240.3	257.9	280.0	284.4	275.6	285.7	177.2														
190.3	58.5	188.1	224.9	238.8	255.7	274.1	275.6	262.4	260.1	42.9	234.4	250.6	270.4	271.2	250.6	257.9	190.3														
203.4	48.4	182.6	218.6	231.5	238.8	257.9	256.5	239.6	238.5	32.7	227.4	236.6	255.7	253.5	228.0	234.4	203.4														
216.5	39.5	177.5	210.5	222.7	218.3	235.9	235.9	216.1	217.5	23.6	219.4	216.1	233.7	231.5	207.2	213.8	216.5														
229.7	33.0	170.9	203.2	205.8	201.4	218.3	217.5	194.0	198.4	17.3	203.2	198.4	215.2	213.8	185.2	196.2	229.7														
242.8	26.6	164.6	193.6	189.6	185.0	201.7	200.6	174.2	183.0	10.7	187.0	182.6	198.8	197.7	164.6	180.0	242.8														
246.1	25.0	163.7	190.7	185.7	181.4	197.9	196.8	169.2	179.1	9.0	183.0	179.1	195.1	194.0	159.8	176.0	246.1														
255.9	20.3	160.9	181.9	175.3	170.9	186.3	185.2	154.3	168.3	-	173.1	168.7	184.1	183.0	146.6	164.9	255.9														
269.0	14.8	156.5	169.0	162.8	158.4	173.1	172.0	138.2	154.3	-	160.6	156.2	170.9	169.8	129.7	151.0	269.0														
282.2	9.7	149.9	158.0	151.4	147.0	160.9	159.8	123.2	142.4	-	149.2	144.4	158.4	157.3	114.5	140.0	282.2														
295.3	-	142.2	147.7	141.1	136.7	149.9	148.8	109.3	131.5	-	138.9	133.4	146.6	145.5	101.0	128.2	295.3														
308.4	-	134.8	138.2	131.5	127.1	139.6	139.3	97.7	121.3	-	129.3	124.6	137.1	136.0	89.5	115.7	308.4														
321.5	-	127.5	129.3	122.7	117.9	130.1	129.3	88.1	112.9	-	120.6	116.1	127.9	126.8	79.5	105.3	321.5														
334.6	-	120.2	121.3	114.6	110.2	122.4	121.3	79.6	104.8	-	112.4	108.0	119.0	117.9	70.5	95.2	334.6														
347.8	-	113.1	113.0	106.0	101.0	112.7	112.0	73.6	97.0	-	104.5	99.5	110.4	109.7	64.1	86.2	347.8														
360.9	-	105.9	103.8	96.7	91.4	103.2	102.8	68.9	90.1	-	95.8	90.5	101.4	101.0	58.8	78.7	360.9														
374.0	-	98.5	94.1	86.9	81.6	93.9	93.7	65.7	83.1	-	86.2	80.9	92.2	91.7	54.7	71.9	374.0														
380.6	-	94.1	89.1	81.8	76.5	89.7	89.5	64.8	79.6	-	81.4	76.2	88.0	87.7	53.4	68.8	380.6														
387.1	-	-	-	-	-	-	-	-	-	-	76.7	71.6	83.9	83.6	52.6	65.7	387.1														
390.4	-	-	-	-	-	-	-	-	-	-	74.3	69.2	81.8	81.6	52.2	64.6	390.4														
0 lb				143,300 lb				275,600 lb				363,800 lb				452,000 lb				540,200 lb				628,400 lb				716,600 lb			

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7:  36.1 ft – 62.3 ft

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5													
452.8 ft										462.6 ft													
LSL_1		LSL_2		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15									
0 lb		0 lb – 716.6 klb										0 lb		0 lb – 716.6 klb									
ft		1,000 lb																ft					
49.2	189.6	196.2	220.5	264.6	277.8	317.5	332.9	368.2	385.8	-	-	-	-	-	-	-	49.2						
52.5	189.6	196.2	220.5	264.6	277.8	317.5	332.9	368.2	385.8	242.5	251.3	262.4	297.6	317.5	348.3	368.2	52.5						
59.1	188.5	194.0	220.5	264.6	277.8	317.5	332.9	368.2	385.8	242.5	251.3	262.4	295.4	315.3	348.3	368.2	59.1						
65.6	188.5	192.9	220.5	264.6	275.6	315.3	332.9	368.2	385.8	242.5	249.1	262.4	295.4	315.3	348.3	368.2	65.6						
72.2	188.5	191.8	219.4	262.4	275.6	315.3	332.9	368.2	385.8	242.5	249.1	260.1	295.4	315.3	348.3	368.2	72.2						
78.7	186.3	190.7	218.3	262.4	275.6	313.1	330.7	366.0	385.8	238.1	249.1	260.1	293.2	315.3	348.3	368.2	78.7						
85.3	185.2	189.6	217.2	262.4	275.6	310.9	330.7	366.0	385.8	219.4	246.9	260.1	293.2	313.1	348.3	367.1	85.3						
91.9	183.0	187.4	216.1	260.1	273.4	308.6	328.5	363.8	385.8	199.5	246.9	257.9	293.2	310.9	346.1	366.0	91.9						
98.4	181.9	186.3	213.8	260.1	273.4	306.4	326.3	363.8	385.8	181.9	244.7	257.9	291.0	310.9	346.1	366.0	98.4						
111.5	164.2	182.6	212.4	257.2	270.4	300.6	321.9	354.2	382.5	153.2	243.2	255.0	288.1	305.7	338.0	362.7	111.5						
124.7	143.7	179.3	210.2	253.5	266.8	292.5	314.5	334.4	372.6	126.1	241.0	252.1	283.7	299.1	322.6	353.8	124.7						
137.8	117.9	176.4	207.2	249.1	262.4	282.2	304.2	315.3	354.9	100.5	238.1	249.1	277.8	288.8	304.2	341.0	137.8						
150.9	100.0	172.7	203.6	243.2	256.5	273.4	291.7	287.3	337.3	81.6	232.2	243.2	270.4	278.5	282.2	326.3	150.9						
164.0	83.9	168.7	200.3	238.1	250.6	260.1	282.9	263.8	310.9	64.8	227.1	237.4	263.8	269.7	257.2	302.8	164.0						
177.2	69.7	164.2	197.3	233.7	244.7	251.3	275.6	240.3	283.7	50.3	222.7	231.5	257.9	262.4	233.7	278.9	177.2						
190.3	58.3	161.3	194.4	227.8	238.8	240.3	266.0	218.3	255.7	38.8	218.3	227.1	250.6	250.6	211.6	253.5	190.3						
203.4	48.1	158.0	188.1	219.4	228.9	228.9	251.3	195.5	233.7	28.4	212.7	220.8	241.0	240.3	189.6	230.8	203.4						
216.5	39.0	154.3	183.0	208.3	215.0	219.4	229.3	175.3	213.1	19.2	206.1	212.7	229.3	227.1	168.7	209.8	216.5						
229.7	32.6	149.5	176.7	187.0	197.3	209.1	212.2	156.5	194.0	11.4	185.0	195.5	210.1	209.4	151.8	190.7	229.7						
232.9	30.9	148.6	175.5	181.7	193.5	206.5	208.1	152.7	190.0	9.5	179.7	191.4	205.9	205.0	147.5	186.8	232.9						
242.8	26.2	145.5	172.0	168.0	182.2	196.6	196.2	140.0	177.8	-	165.7	180.0	194.0	192.9	134.5	175.3	242.8						
255.9	19.8	141.1	167.6	147.7	167.6	181.9	180.8	122.4	163.1	-	146.6	165.3	178.6	177.5	116.8	160.4	255.9						
269.0	14.3	136.3	164.2	130.8	155.8	168.7	167.6	107.1	149.9	-	129.7	152.9	166.1	165.0	102.3	146.6	269.0						
282.2	9.0	131.5	157.3	115.0	144.4	156.5	155.4	93.8	132.3	-	114.0	141.5	154.0	152.9	89.4	134.8	282.2						
295.3	-	126.8	147.7	100.3	133.4	145.5	144.4	80.9	117.8	-	99.4	131.2	142.2	141.1	75.8	122.1	295.3						
308.4	-	120.9	138.2	87.7	123.8	135.2	134.7	70.6	106.5	-	86.6	121.3	132.3	131.2	65.0	108.5	308.4						
321.5	-	115.4	129.3	77.3	115.2	124.2	124.9	61.3	96.0	-	76.1	112.8	123.5	122.4	55.5	97.7	321.5						
334.6	-	110.2	121.3	66.6	107.4	112.4	116.8	52.9	86.3	-	65.3	104.7	114.6	113.5	47.0	87.4	334.6						
347.8	-	105.4	113.9	57.7	97.7	101.7	108.9	46.4	77.4	-	56.2	95.8	107.3	106.2	40.2	78.0	347.8						
360.9	-	100.3	106.7	50.2	88.2	91.9	100.3	40.9	69.7	-	48.3	86.5	99.0	98.0	34.0	70.0	360.9						
374.0	-	95.0	98.3	43.9	78.9	82.9	91.1	36.4	62.8	-	41.2	76.9	89.7	89.1	29.3	62.5	374.0						
387.1	-	89.5	89.2	38.8	71.0	75.7	82.7	33.7	56.7	-	35.8	68.8	81.3	80.5	26.1	55.8	387.1						
397.0	-	85.5	82.2	35.5	65.3	70.5	76.5	32.2	52.7	-	32.2	62.9	75.2	74.6	24.0	51.7	397.0						
400.3	-	-	-	-	-	-	-	-	-	-	31.2	61.1	73.3	72.6	23.6	50.3	400.3						
406.8	-	-	-	-	-	-	-	-	-	-	29.3	57.3	69.4	68.8	22.7	47.6	406.8						
0 lb		143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb															

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7:  36.1 ft – 62.3 ft

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5									
472.4 ft										482.3 ft									
LSL_1		LSL_2	LSL_5	LSL_7	LSL_9	LSL_11	LSL_13	LSL_15	LSL_5		LSL_7	LSL_9	LSL_11	LSL_13	LSL_15				
 0 lb		0 lb – 716.6 klb							0 lb		0 lb – 716.6 klb								
ft		1,000 lb														ft			
52.5	163.1	169.8	192.9	229.3	240.3	286.6	302.0	324.1	350.5	211.6	219.4	229.3	271.2	286.6	308.6	330.7	52.5		
59.1	162.0	168.7	191.8	229.3	240.3	284.4	302.0	321.9	350.5	211.6	218.3	227.1	271.2	286.6	308.6	330.7	59.1		
65.6	162.0	166.4	191.8	229.3	240.3	284.4	302.0	321.9	350.5	211.6	217.2	227.1	271.2	286.6	306.4	330.7	65.6		
72.2	160.9	165.3	190.7	229.3	238.1	284.4	302.0	319.7	350.5	211.6	217.2	224.9	271.2	286.6	306.4	330.7	72.2		
78.7	159.8	163.1	189.6	227.1	238.1	282.2	299.8	319.7	350.5	211.6	216.1	224.9	269.0	284.4	306.4	330.7	78.7		
85.3	157.6	162.0	188.5	227.1	238.1	282.2	297.6	317.5	350.5	209.4	216.1	224.9	269.0	284.4	304.2	330.7	85.3		
91.9	156.5	160.9	187.4	227.1	235.9	282.2	295.4	315.3	350.5	194.0	215.0	222.7	269.0	282.2	302.0	330.7	91.9		
98.4	155.4	159.8	185.2	224.9	233.7	280.0	293.2	315.3	348.3	176.4	213.8	222.7	266.8	280.0	299.8	330.7	98.4		
111.5	150.6	156.2	182.2	223.4	230.8	277.0	288.8	308.6	345.0	149.2	211.6	219.0	263.8	275.6	295.4	327.4	111.5		
124.7	137.1	152.1	179.7	221.2	227.8	272.6	282.2	302.0	338.4	123.2	209.4	216.8	260.1	270.4	289.5	321.9	124.7		
137.8	115.7	147.7	177.5	218.3	224.9	266.8	273.4	293.2	327.8	98.3	207.2	213.8	255.7	264.6	282.2	313.8	137.8		
150.9	97.5	144.0	174.5	213.8	219.0	260.9	261.6	277.0	315.3	79.4	204.3	209.4	249.1	254.3	266.8	302.0	150.9		
164.0	81.3	140.4	171.2	209.8	211.3	255.0	251.3	265.3	293.2	62.6	200.6	203.9	244.0	246.2	257.2	284.4	164.0		
177.2	67.0	136.7	167.6	206.1	206.1	249.1	242.5	255.7	272.3	48.1	196.2	199.5	238.1	240.3	246.9	264.6	177.2		
190.3	55.7	132.3	164.6	201.0	198.0	243.2	231.5	244.7	251.3	36.6	192.5	193.3	232.2	230.8	237.4	244.7	190.3		
203.4	45.5	128.2	160.9	196.6	190.7	236.6	221.6	235.0	230.0	26.2	188.9	187.0	226.3	221.8	227.1	225.6	203.4		
216.5	36.4	124.6	156.5	192.9	184.1	229.3	213.8	224.9	209.8	17.0	185.2	181.9	220.5	215.0	218.3	206.5	216.5		
229.7	28.9	120.9	151.4	180.8	176.1	210.1	201.9	207.2	190.7	9.0	175.3	175.3	206.5	203.9	202.1	187.4	229.7		
242.8	22.5	117.2	147.3	167.6	168.7	194.0	190.0	190.7	174.5	-	162.0	167.6	191.8	190.7	185.9	172.0	242.8		
255.9	17.2	113.5	144.4	154.3	162.0	178.6	177.5	175.3	159.8	-	148.8	160.9	176.4	175.3	169.8	156.5	255.9		
269.0	11.6	110.6	139.6	141.8	154.7	166.1	165.0	162.0	146.6	-	136.3	152.9	163.1	162.0	155.1	143.3	269.0		
275.6	8.8	109.1	137.8	135.6	151.0	159.8	158.7	155.4	140.7	-	130.1	148.8	156.5	155.4	147.7	137.4	275.6		
282.2	-	107.4	136.0	130.1	145.9	154.0	152.9	149.2	134.8	-	124.2	143.3	151.0	149.9	140.7	131.5	282.2		
295.3	-	104.1	132.3	119.0	135.6	142.2	141.1	136.7	123.8	-	112.4	132.3	140.0	138.9	126.8	120.5	295.3		
308.4	-	99.5	125.7	107.7	126.0	132.3	130.4	124.8	113.5	-	101.7	123.5	129.5	128.3	114.7	110.2	308.4		
321.5	-	95.9	119.0	95.5	116.8	123.5	118.1	113.7	104.5	-	90.5	113.8	120.2	117.9	103.2	101.7	321.5		
334.6	-	92.8	112.4	82.7	101.9	114.6	105.2	103.0	96.3	-	79.4	103.4	111.3	106.9	92.4	93.5	334.6		
347.8	-	89.9	105.4	71.7	87.3	106.9	93.7	93.5	88.4	-	68.6	88.6	104.1	94.7	82.7	85.5	347.8		
360.9	-	86.9	98.3	61.4	74.2	98.3	83.1	84.7	81.4	-	58.9	75.0	96.0	83.4	73.6	78.5	360.9		
374.0	-	84.0	91.3	52.2	62.6	89.1	73.4	76.3	74.7	-	49.6	62.8	87.1	73.0	65.5	71.8	374.0		
387.1	-	81.1	84.1	44.8	53.6	80.5	65.1	69.1	68.3	-	42.0	54.1	78.7	64.3	58.4	65.5	387.1		
400.3	-	78.1	76.9	38.2	45.9	72.7	58.2	62.5	62.5	-	35.1	46.2	70.7	56.4	52.1	59.6	400.3		
413.4	-	75.2	69.9	32.6	39.9	65.0	52.0	56.4	56.0	-	29.1	38.8	63.1	49.4	46.5	53.2	413.4		
416.7	-	74.3	68.1	31.5	38.8	63.3	50.7	55.1	54.2	-	27.9	37.3	61.3	47.9	45.4	51.5	416.7		
423.2	-	-	-	-	-	-	-	-	-	-	25.4	34.2	57.8	45.0	43.2	48.1	423.2		
	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb											

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_1 – LSL_7:  36.1 ft – 62.3 ft

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft

496,000 lb			36.1 – 68.9 ft			39.4 ft x 39.4 ft			32.2 ft/s			360°			ASME B30.5														
492.1 ft															502.0 ft														
LSL_5			LSL_7		LSL_9		LSL_11		LSL_13		LSL_15		LSL_5			LSL_7		LSL_9		LSL_11		LSL_13		LSL_15					
0 lb			0 lb – 716.6 klb										0 lb			0 lb – 716.6 klb													
ft		1,000 lb																								ft			
52.5	198.4	205.0	217.2	257.9	271.2	293.2	315.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5			
55.8	198.4	204.5	216.6	256.8	271.2	293.2	315.3	188.5	194.0	205.0	244.7	257.9	277.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	55.8			
59.1	198.4	203.9	216.1	255.7	271.2	293.2	315.3	188.5	194.0	205.0	244.7	257.9	277.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	59.1			
65.6	198.4	202.8	215.0	255.7	271.2	291.0	315.3	188.5	192.9	203.9	244.7	255.7	277.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	65.6			
72.2	198.4	201.7	213.8	255.7	269.0	291.0	315.3	187.4	191.8	202.8	244.7	255.7	277.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	72.2			
78.7	198.4	201.7	212.7	255.7	269.0	291.0	315.3	187.4	191.8	202.8	242.5	255.7	277.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	78.7			
85.3	197.3	200.6	212.7	253.5	269.0	291.0	315.3	187.4	190.7	201.7	242.5	255.7	275.6	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	85.3			
91.9	192.9	199.5	211.6	253.5	266.8	288.8	315.3	185.2	190.7	200.6	242.5	253.5	273.4	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	91.9			
98.4	177.5	198.4	210.5	253.5	264.6	286.6	313.1	173.1	189.6	199.5	240.3	251.3	273.4	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	297.6	98.4			
111.5	149.5	195.5	207.6	249.9	261.6	282.2	310.9	145.9	186.7	198.0	237.4	248.4	269.0	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	111.5			
124.7	123.9	192.9	205.0	246.9	257.2	276.3	306.4	121.0	184.5	196.2	234.4	244.7	263.8	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	124.7			
137.8	100.5	190.7	202.8	242.5	251.3	269.0	298.4	98.3	183.0	194.0	231.5	240.3	260.1	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	137.8			
150.9	81.6	187.0	198.4	236.6	242.5	255.7	286.6	79.2	180.0	190.3	225.6	232.2	246.2	273.4	273.4	273.4	273.4	273.4	273.4	273.4	273.4	273.4	273.4	273.4	273.4	150.9			
164.0	64.8	183.4	194.7	231.5	235.2	246.9	274.8	62.4	176.7	187.0	220.1	225.2	236.6	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	164.0			
177.2	50.3	179.7	191.8	227.1	229.3	238.1	260.1	47.8	173.1	184.1	215.0	219.4	229.3	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	177.2			
190.3	38.8	176.0	186.3	221.9	221.2	227.1	242.5	36.4	170.1	180.4	209.1	212.7	219.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	190.3			
203.4	28.4	171.2	180.4	216.7	215.0	220.5	224.1	26.0	166.8	175.6	203.9	206.1	211.2	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	203.4			
216.5	19.2	167.6	175.3	210.5	206.1	210.5	205.4	16.8	163.1	172.0	198.4	200.6	202.8	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	216.5			
229.7	11.4	162.0	168.7	201.7	196.6	196.6	186.3	8.8	158.7	166.4	191.1	189.6	191.8	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	229.7			
232.9	9.5	160.4	167.0	199.5	194.2	193.1	182.2	-	157.1	165.3	189.2	187.4	189.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	232.9			
242.8	-	155.4	160.9	189.6	185.6	181.5	170.1	-	151.8	158.7	181.1	178.6	177.5	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	242.8			
255.9	-	151.0	154.3	174.2	173.1	165.3	155.4	-	144.4	152.1	168.7	165.3	159.8	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	255.9			
269.0	-	145.9	148.4	160.9	159.8	149.9	142.2	-	137.1	145.5	156.9	152.9	144.4	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	269.0			
282.2	-	140.0	140.7	148.8	147.7	135.6	130.4	-	130.1	137.4	145.3	140.0	129.0	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	282.2			
295.3	-	133.4	131.2	137.8	136.7	122.4	119.4	-	123.5	127.9	133.4	126.8	114.6	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	295.3			
308.4	-	123.8	121.3	127.5	124.9	110.2	109.1	-	116.8	118.5	121.6	114.4	102.1	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	308.4			
321.5	-	112.8	112.1	118.3	112.7	98.5	99.9	-	107.4	109.7	109.2	102.0	90.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	321.5			
334.6	-	100.3	102.5	110.2	99.9	87.3	91.7	-	95.0	102.1	96.1	89.5	78.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	334.6			
347.8	-	84.3	86.2	101.0	88.0	77.6	83.8	-	79.9	86.3	84.2	78.2	68.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	347.8			
360.9	-	69.6	71.4	91.5	76.8	68.1	76.7	-	65.9	71.7	72.8	67.5	59.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	360.9			
374.0	-	56.7	58.0	81.8	66.6	60.0	69.5	-	53.4	58.0	62.2	57.8	50.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	374.0			
387.1	-	47.5	48.1	73.0	57.8	52.8	62.2	-	43.9	47.1	53.1	49.1	43.3	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	387.1			
400.3	-	40.0	40.4	64.7	49.8	46.3	55.3	-	35.5	38.7	44.7	41.1	37.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	400.3			
413.4	-	32.8	33.7	56.9	42.5	40.6	48.9	-	28.4	32.0	37.3	34.0	31.1	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	413.4			
426.5	-	27.0	27.4	49.6	36.5	36.0	43.2	-	22.6	25.4	31.5	27.9	26.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	426.5			
433.1	-	24.0	24.3	46.3	33.7	33.7	40.8	-	19.6	22.3	28.7	25.1	24.7	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	433.1			
439.6	-	-	-	-	-	-	-	-	17.2	19.4	25.8	22.5	22.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	439.6			
		0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb																				

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_5 – LSL_7:  36.1 ft – 62.3 ft

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5															
511.8 ft										521.7 ft															
LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15		LSL_5		LSL_7		LSL_9		LSL_11		LSL_13		LSL_15			
0 lb		0 lb – 716.6 klb										0 lb		0 lb – 716.6 klb											
ft		1,000 lb																						ft	
55.8	173.1	178.6	192.9	231.5	244.7	264.6	286.6	164.2	169.8	183.0	220.5	231.5	249.1	271.2	55.8										
59.1	173.1	178.6	192.9	231.5	244.7	264.6	286.6	164.2	169.8	183.0	220.5	231.5	246.9	271.2	59.1										
65.6	173.1	177.5	191.8	231.5	244.7	264.6	286.6	164.2	168.7	181.9	219.4	229.3	246.9	271.2	65.6										
72.2	173.1	177.5	191.8	231.5	244.7	264.6	286.6	164.2	168.7	181.9	219.4	229.3	246.9	271.2	72.2										
78.7	173.1	176.4	190.7	229.3	242.5	264.6	286.6	163.1	167.6	180.8	218.3	229.3	244.7	271.2	78.7										
85.3	172.0	175.3	189.6	227.1	240.3	262.4	285.5	163.1	166.4	179.7	217.2	227.1	244.7	271.2	85.3										
91.9	172.0	174.2	189.6	224.9	238.1	262.4	284.4	162.0	166.4	179.7	216.1	224.9	242.5	271.2	91.9										
98.4	169.8	173.1	188.5	222.7	235.9	260.1	284.4	162.0	165.3	178.6	215.0	222.7	240.3	269.0	98.4										
111.5	143.7	170.9	186.3	218.3	231.5	257.2	282.2	139.6	163.1	176.4	211.3	219.0	235.9	266.8	111.5										
124.7	120.2	168.7	184.5	213.1	226.0	252.8	277.8	117.9	160.9	174.5	207.2	214.2	231.5	263.5	124.7										
137.8	98.3	166.4	183.0	207.2	219.4	249.1	271.9	95.9	158.7	173.1	202.8	208.3	227.1	258.7	137.8										
150.9	79.2	163.5	180.0	200.6	211.3	236.6	264.6	76.8	156.5	170.9	196.9	201.7	219.0	251.3	150.9										
164.0	62.4	160.6	177.1	193.6	203.6	227.8	255.7	60.0	154.0	167.9	191.4	195.1	210.2	244.0	164.0										
177.2	47.8	157.6	174.2	186.3	196.2	220.5	246.9	45.4	151.0	164.2	186.3	188.5	202.8	235.9	177.2										
190.3	36.4	154.7	170.5	178.9	187.8	213.8	235.9	34.0	148.8	161.3	179.3	180.8	194.9	229.3	190.3										
203.4	26.0	151.8	167.2	171.3	179.0	205.0	219.7	23.6	146.2	158.5	173.7	173.8	187.0	213.1	203.4										
216.5	16.8	148.8	164.2	164.2	172.0	198.4	203.6	14.3	143.3	155.4	167.6	166.4	179.7	198.0	216.5										
223.1	12.8	145.9	162.4	159.5	167.9	192.2	195.5	10.4	141.5	154.0	163.9	163.1	174.2	191.1	223.1										
229.7	8.8	143.9	160.6	155.8	163.9	188.1	187.4	-	140.2	152.5	161.3	159.8	170.9	184.1	229.7										
242.8	-	139.6	155.4	146.2	153.2	175.3	172.0	-	136.3	148.1	152.5	150.6	158.7	170.0	242.8										
255.9	-	134.5	148.8	134.5	141.1	157.6	156.5	-	131.2	142.2	141.1	138.9	141.1	156.2	255.9										
269.0	-	130.1	142.2	122.4	129.3	141.5	143.3	-	126.4	136.3	129.3	126.8	123.5	142.2	269.0										
282.2	-	126.0	134.8	110.8	117.6	126.3	131.5	-	122.0	129.9	117.4	114.0	108.7	130.4	282.2										
295.3	-	122.4	126.8	98.8	106.3	112.4	120.5	-	116.8	123.5	106.9	101.6	92.4	119.6	295.3										
308.4	-	117.9	117.3	86.9	94.1	98.9	110.2	-	112.4	114.6	95.0	88.8	77.8	109.8	308.4										
321.5	-	111.6	108.5	75.6	82.5	86.5	100.4	-	107.3	106.2	83.3	76.4	64.4	100.8	321.5										
334.6	-	103.2	100.8	64.6	71.2	74.7	90.2	-	101.4	98.1	71.9	64.8	52.9	91.1	334.6										
347.8	-	89.4	87.7	54.7	61.1	64.2	80.0	-	86.1	85.6	60.9	54.8	42.2	80.7	347.8										
360.9	-	76.4	74.4	45.2	51.3	54.9	71.1	-	71.9	72.3	50.7	45.4	32.6	71.0	360.9										
374.0	-	64.2	61.5	36.6	42.3	47.2	62.5	-	58.6	59.1	41.0	36.6	23.8	62.4	374.0										
387.1	-	53.9	50.6	29.0	34.4	39.5	54.5	-	47.5	47.6	32.5	28.8	16.5	54.0	387.1										
400.3	-	44.8	41.6	21.9	27.0	32.4	47.3	-	38.0	37.8	24.5	21.5	9.7	46.5	400.3										
413.4	-	36.6	33.7	15.4	20.5	26.2	40.6	-	30.2	29.8	17.2	15.0	-	39.6	413.4										
426.5	-	29.7	27.0	9.9	14.9	21.7	34.6	-	22.9	23.5	11.0	9.0	-	33.3	426.5										
429.8	-	28.0	25.8	-	13.5	20.5	33.3	-	21.3	22.1	9.5	-	-	31.9	429.8										
439.6	-	22.8	21.5	-	9.7	17.7	29.5	-	16.8	17.6	-	-	-	27.7	439.6										
449.5	-	17.6	16.8	-	-	15.4	25.8	-	12.5	13.3	-	-	-	23.8	449.5										
452.8	-	-	-	-	-	-	-	-	11.0	11.9	-	-	-	22.6	452.8										
456.0	-	-	-	-	-	-	-	-	9.7	10.5	-	-	-	21.5	456.0										
459.3	-	-	-	-	-	-	-	-	-	9.0	-	-	-	20.3	459.3										
0 lb		143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb																	

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LSL_5 – LSL_7: 36.1 ft – 62.3 ft

LSL_9 – LSL_13: 36.1 ft – 68.9 ft

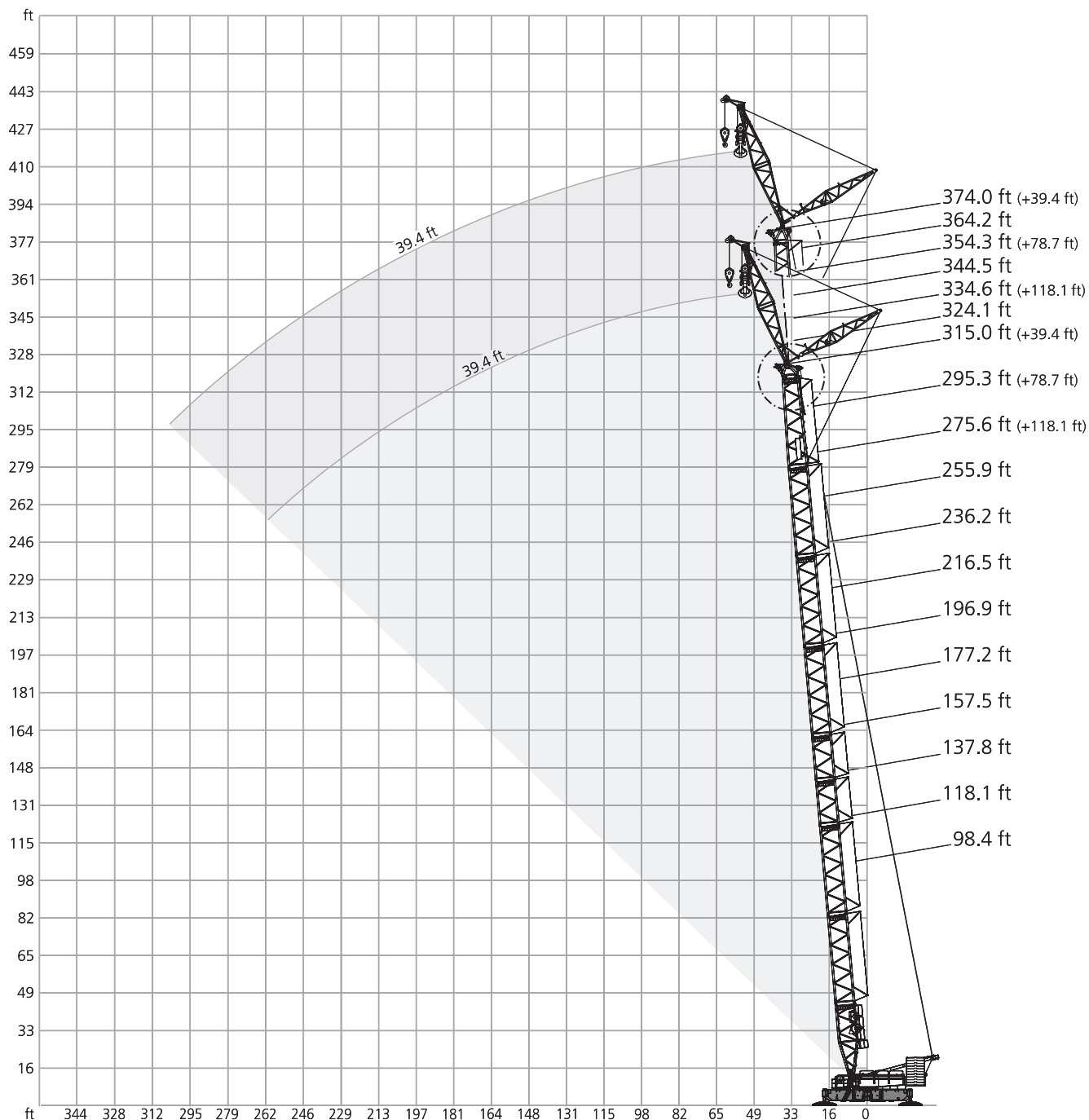
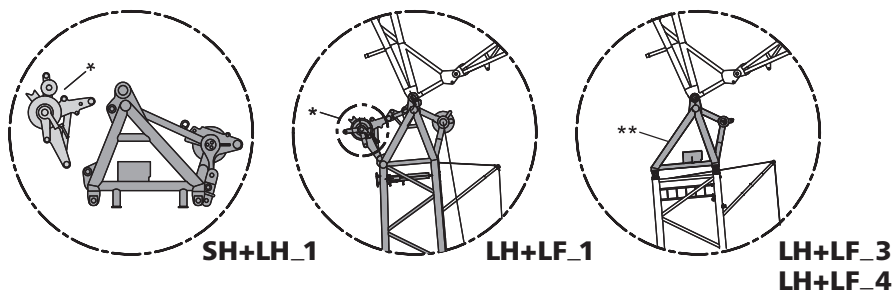
LSL_15: 42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s		360°		ASME B30.5							
531.5 ft						541.3 ft						551.2 ft			561.0 ft						
LSL_9		LSL_11	LSL_13	LSL_15	LSL_9		LSL_11	LSL_13	LSL_15	LSL_13		LSL_15	LSL_13		LSL_15						
 0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb				0 lb		0 – 716.6 klb		0 lb		0 – 716.6 klb			
ft		1,000 lb																ft			
59.1	202.8	207.2	218.3	235.9	257.9	190.7	195.1	206.1	222.7	242.5	203.9	208.3	231.5	191.8	197.3	218.3	59.1				
65.6	202.8	207.2	217.2	235.9	257.9	190.7	194.0	205.0	222.7	242.5	203.9	208.3	231.5	191.8	196.2	218.3	65.6				
72.2	201.7	206.1	217.2	233.7	257.9	190.7	194.0	205.0	220.5	242.5	202.8	208.3	231.5	190.7	196.2	218.3	72.2				
78.7	201.7	205.0	216.1	233.7	257.9	189.6	192.9	205.0	220.5	242.5	200.6	207.2	231.5	190.7	195.1	218.3	78.7				
85.3	196.2	205.0	216.1	233.7	257.9	187.4	191.8	203.9	220.5	242.5	186.3	207.2	231.5	180.8	195.1	218.3	85.3				
91.9	177.5	203.9	215.0	231.5	257.9	173.1	191.8	202.8	220.5	242.5	167.6	206.1	231.5	163.1	194.0	218.3	91.9				
98.4	160.9	203.9	212.7	231.5	255.7	156.5	190.7	202.8	219.4	241.4	151.0	205.0	229.3	146.6	194.0	216.6	98.4				
111.5	133.7	201.0	209.1	227.1	252.4	130.1	189.2	199.9	217.9	239.2	124.6	204.3	228.2	120.9	192.5	214.4	111.5				
124.7	107.5	197.3	205.0	223.0	250.2	104.4	187.4	196.6	215.7	235.9	99.2	202.1	226.0	96.0	190.3	212.2	124.7				
137.8	82.2	194.0	200.6	219.4	246.2	79.6	185.2	192.9	212.7	231.5	75.0	198.4	223.0	72.1	187.4	208.7	137.8				
150.9	63.3	188.9	194.7	212.7	240.3	60.6	181.5	187.8	206.9	227.1	55.9	194.0	219.4	53.1	184.5	206.1	150.9				
164.0	46.5	184.1	188.9	203.9	233.7	43.9	177.8	183.0	200.8	221.6	39.1	189.6	213.8	35.9	180.8	200.0	164.0				
167.3	42.9	183.0	187.4	201.7	231.5	40.2	176.9	181.9	199.0	220.5	35.5	188.5	212.7	32.0	179.7	198.4	167.3				
177.2	32.0	179.7	183.0	197.3	226.3	29.3	174.2	178.6	195.1	216.4	24.7	185.2	208.7	-	176.4	194.4	177.2				
190.3	20.5	174.5	177.1	190.3	220.5	17.9	170.5	173.1	189.6	210.5	13.1	180.0	202.8	-	172.0	188.5	190.3				
193.6	17.6	173.2	175.6	188.5	217.0	15.0	169.6	172.0	188.5	208.3	10.1	178.8	201.2	-	170.9	187.2	193.6				
200.1	12.3	170.5	172.5	185.7	210.0	9.7	168.7	169.6	186.1	203.9	-	176.2	197.9	-	168.7	184.6	200.1				
203.4	9.9	169.0	170.9	184.1	206.5	-	167.8	168.3	184.8	201.7	-	174.9	196.2	-	167.6	183.4	203.4				
216.5	-	164.2	165.3	177.5	192.9	-	164.2	163.1	179.7	190.3	-	169.8	185.9	-	163.1	176.0	216.5				
229.7	-	159.1	159.5	167.6	179.7	-	160.6	157.6	174.2	176.4	-	165.3	172.0	-	158.7	166.4	229.7				
242.8	-	151.0	150.6	158.1	167.3	-	155.1	151.4	166.8	164.9	-	160.2	159.8	-	154.3	154.7	242.8				
255.9	-	142.2	141.1	144.4	154.3	-	147.7	143.3	156.5	151.8	-	154.3	148.4	-	149.9	143.5	255.9				
269.0	-	130.7	129.0	126.8	141.1	-	137.4	130.1	138.9	137.8	-	139.8	136.7	-	137.2	133.4	269.0				
282.2	-	120.0	116.5	110.5	129.3	-	127.1	117.4	122.4	126.0	-	125.7	124.9	-	124.9	121.6	282.2				
295.3	-	108.7	104.7	97.2	118.4	-	116.8	105.4	107.1	115.2	-	112.4	114.0	-	112.4	110.9	295.3				
308.4	-	97.2	92.8	82.6	108.2	-	106.3	92.9	92.6	105.4	-	99.8	103.8	-	101.0	101.2	308.4				
321.5	-	86.1	80.7	68.9	98.0	-	95.6	80.6	78.6	96.3	-	87.7	91.6	-	89.8	89.3	321.5				
334.6	-	75.0	68.8	56.4	86.5	-	84.9	67.7	65.7	86.3	-	76.1	78.1	-	78.9	76.2	334.6				
347.8	-	63.3	58.1	45.6	75.0	-	73.2	56.5	54.9	75.0	-	65.5	63.3	-	68.5	61.9	347.8				
360.9	-	52.6	48.2	36.7	65.7	-	61.7	46.6	45.2	65.6	-	55.4	54.2	-	58.4	51.6	360.9				
374.0	-	42.3	38.8	28.9	57.0	-	50.7	37.0	35.9	56.5	-	45.9	45.8	-	50.5	43.4	374.0				
387.1	-	33.4	30.4	21.4	48.7	-	40.7	28.6	27.9	47.8	-	37.2	37.7	-	42.0	35.3	387.1				
400.3	-	24.8	22.4	14.3	41.2	-	31.5	20.5	20.4	40.2	-	29.8	30.5	-	33.8	27.9	400.3				
410.1	-	19.1	17.0	9.7	35.9	-	25.1	14.9	15.2	34.7	-	24.1	25.3	-	28.0	22.6	410.1				
413.4	-	17.2	15.2	-	34.2	-	22.9	13.0	13.4	33.0	-	22.3	23.7	-	26.0	21.0	413.4				
419.9	-	13.8	12.0	-	31.0	-	19.3	9.7	10.4	29.6	-	18.7	20.4	-	22.4	17.8	419.9				
423.2	-	12.1	10.4	-	29.4	-	17.4	-	8.8	27.9	-	17.0	18.8	-	20.6	16.2	423.2				
426.5	-	10.4	8.8	-	27.8	-	15.6	-	-	26.2	-	15.4	17.2	-	18.8	14.6	426.5				
429.8	-	8.8	-	-	26.4	-	13.7	-	-	24.8	-	13.7	15.8	-	17.0	13.1	429.8				
436.4	-	-	-	-	23.7	-	10.4	-	-	21.8	-	10.7	13.0	-	13.4	10.1	436.4				
439.6	-	-	-	-	22.3	-	8.8	-	-	20.4	-	9.3	11.6	-	11.7	-	439.6				
442.9	-	-	-	-	21.0	-	-	-	-	18.9	-	-	10.1	-	10.1	-	442.9				
452.8	-	-	-	-	17.3	-	-	-	-	15.0	-	-	-	-	-	-	452.8				
465.9	-	-	-	-	12.6	-	-	-	-	10.1	-	-	-	-	-	-	465.9				
469.2	-	-	-	-	-	-	-	-	-	9.0	-	-	-	-	-	-	469.2				


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

LSL_9 – LSL_13:  36.1 ft – 68.9 ft

LSL_15:  42.7 ft – 68.9 ft



* Attachable

** Option

		 39.4-118.1 ft						 39.4 ft x 39.4 ft						 32.2 ft/s						360°						ASME B30.5					
		98.4 ft												118.1 ft																	
		39.4 ft x 39.4 ft																													
		SH+LF_1																													
		39.4 ft				78.7 ft				118.1 ft				39.4 ft				78.7 ft				118.1 ft									
		15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°			
ft		1,000 lb																												ft	
29.5	377.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.5		
32.8	352.7	-	-	-	-	-	-	-	-	-	-	-	-	366.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.8		
36.1	331.8	286.6	-	-	-	-	-	-	-	-	-	-	-	346.1	293.2	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1		
39.4	310.9	271.2	189.6	-	-	-	-	-	-	-	-	-	-	326.3	280.0	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4		
42.7	294.3	259.0	183.0	-	-	-	-	-	-	-	-	-	-	310.9	269.0	186.3	-	-	-	-	-	-	-	-	-	-	-	-	42.7		
45.9	277.8	246.9	176.4	173.1	-	-	-	-	-	-	-	-	-	295.4	257.9	179.7	178.6	-	-	-	-	-	-	-	-	-	-	-	45.9		
52.5	251.3	227.1	165.3	156.5	135.6	-	-	-	-	-	-	-	-	269.0	238.1	169.8	162.0	137.8	-	-	-	-	-	-	-	-	-	-	52.5		
59.1	231.5	209.4	154.3	142.2	124.6	-	112.4	-	-	-	-	-	-	246.9	220.5	159.8	148.8	127.9	-	114.6	-	-	-	-	-	-	-	-	59.1		
62.3	222.7	201.7	150.5	136.1	120.2	83.1	107.7	-	-	-	-	-	-	238.1	213.3	156.0	142.7	123.5	-	110.2	-	-	-	-	-	-	-	-	62.3		
65.6	213.8	194.0	146.6	130.1	115.7	80.7	103.0	-	-	-	-	-	-	229.3	206.1	152.1	136.7	119.0	81.6	105.8	-	-	-	-	-	-	-	-	65.6		
68.9	206.1	188.5	142.7	125.1	111.8	78.4	98.8	82.2	-	-	-	-	-	221.6	200.1	148.3	131.7	115.2	79.5	101.9	83.3	-	-	-	-	-	-	-	68.9		
72.2	198.4	183.0	138.9	120.2	107.8	76.1	94.6	79.4	-	-	-	-	-	213.8	194.0	144.4	126.8	111.3	77.4	97.9	80.5	-	-	-	-	-	-	-	72.2		
78.7	185.2	173.1	132.3	111.3	100.5	72.1	87.5	74.1	-	-	-	-	-	200.6	183.0	138.9	117.9	104.9	73.6	90.8	75.4	-	-	-	-	-	-	-	78.7		
85.3	173.1	163.1	126.8	104.7	94.4	68.3	81.1	69.4	48.5	-	-	-	-	188.5	174.2	133.4	110.2	98.8	70.1	84.7	71.0	-	-	-	-	-	-	-	85.3		
88.6	168.7	159.3	124.0	101.4	91.7	66.7	78.5	67.2	47.2	-	-	-	-	183.0	170.3	130.6	107.4	96.0	68.6	82.0	69.0	47.4	-	-	-	-	-	-	88.6		
91.9	164.2	155.4	121.3	98.1	89.1	65.0	75.8	65.0	45.9	-	-	-	-	177.5	166.4	127.9	104.5	93.3	67.0	79.4	67.0	46.3	-	-	-	-	-	-	91.9		
98.4	155.4	147.7	116.8	92.4	84.7	62.2	71.0	61.3	43.7	-	-	-	-	168.7	158.7	123.5	98.5	88.6	64.2	74.5	63.3	44.1	-	-	-	-	-	-	98.4		
111.5	141.1	135.6	110.2	82.7	76.7	57.3	62.8	54.7	39.5	-	-	-	-	153.2	145.5	115.7	88.6	81.1	59.5	66.4	56.9	40.3	-	-	-	-	-	-	111.5		
114.8	138.3	133.4	109.8	80.7	75.1	56.3	61.2	53.5	38.6	-	-	-	-	150.2	143.0	114.4	86.6	79.5	58.5	64.7	55.6	39.5	-	-	-	-	-	-	114.8		
124.7	130.1	126.8	-	75.0	70.1	53.4	56.4	49.8	36.2	-	-	-	-	141.1	135.6	110.2	80.5	74.5	55.6	59.7	51.6	37.0	-	-	-	-	-	-	124.7		
128.0	127.9	-	-	73.4	68.8	52.6	55.1	48.8	35.5	-	-	-	-	138.6	133.7	109.6	78.8	73.1	54.7	58.4	50.6	36.4	-	-	-	-	-	-	128.0		
131.2	125.7	-	-	71.8	67.5	51.8	53.8	47.7	34.8	-	-	-	-	136.1	131.7	-	77.2	71.7	53.9	57.0	49.6	35.7	-	-	-	-	-	-	131.2		
137.8	-	-	-	68.6	64.8	50.3	51.1	45.6	33.5	-	-	-	-	131.2	127.9	-	73.9	68.8	52.2	54.2	47.6	34.4	-	-	-	-	-	-	137.8		
141.1	-	-	-	67.3	63.7	49.7	50.0	44.7	32.9	-	-	-	-	129.3	126.8	-	72.5	67.6	51.6	53.1	46.7	33.8	-	-	-	-	-	-	141.1		
147.6	-	-	-	64.8	61.5	48.4	47.7	42.8	31.7	-	-	-	-	125.7	-	-	69.7	65.3	50.3	50.8	45.0	32.7	-	-	-	-	-	-	147.6		
150.9	-	-	-	63.5	60.4	47.8	46.5	41.9	31.1	-	-	-	-	-	-	-	68.3	64.2	49.6	49.6	44.1	32.2	-	-	-	-	-	-	150.9		
154.2	-	-	-	62.5	59.7	47.4	45.6	41.1	30.6	-	-	-	-	-	-	-	67.2	63.2	49.1	48.7	43.3	31.7	-	-	-	-	-	-	154.2		
164.0	-	-	-	59.5	57.5	-	42.8	38.8	29.1	-	-	-	-	-	-	-	63.9	60.4	47.6	45.9	41.0	30.2	-	-	-	-	-	-	164.0		
167.3	-	-	-	58.6	-	-	42.0	38.1	28.7	-	-	-	-	-	-	-	63.0	59.7	47.2	45.0	40.3	29.8	-	-	-	-	-	-	167.3		
177.2	-	-	-	-	-	-	39.7	36.2	27.6	-	-	-	-	-	-	-	60.2	57.8	-	42.5	38.1	28.7	-	-	-	-	-	-	177.2		
180.4	-	-	-	-	-	-	39.0	35.7	27.3	-	-	-	-	-	-	-	59.4	57.1	-	41.8	37.6	28.3	-	-	-	-	-	-	180.4		
183.7	-	-	-	-	-	-	38.4	35.2	27.0	-	-	-	-	-	-	-	58.6	-	-	41.1	37.0	28.0	-	-	-	-	-	-	183.7		
190.3	-	-	-	-	-	-	37.0	34.2	26.5	-	-	-	-	-	-	-	-	-	-	39.7	35.9	27.3	-	-	-	-	-	-	190.3		
203.4	-	-	-	-	-	-	35.1	32.8	-	-	-	-	-	-	-	-	-	-	-	37.3	34.2	26.2	-	-	-	-	-	-	203.4		
206.7	-	-	-	-	-	-	34.6	-	-	-	-	-	-	-	-	-	-	-	-	36.8	33.8	26.0	-	-	-	-	-	-	206.7		
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	32.8	-	-	-	-	-	-	-	216.5		
219.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.8	32.6	-	-	-	-	-	-	-	219.8		
223.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	223.1		
		55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb																								

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

		 39.4-118.1 ft						 39.4 ft x 39.4 ft						 32.2 ft/s						360°						ASME B30.5					
		137.8 ft												 157.5 ft																	
		39.4 ft x 39.4 ft																													
		SH+LF_1																													
		39.4 ft			78.7 ft			118.1 ft			39.4 ft			78.7 ft			118.1 ft														
		15°			20°			30°			15°			20°			30°			15°			20°			30°					
ft		1,000 lb																		ft											
36.1	357.1	-	-	-	-	-	-	-	-	-	-	-	-	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1		
39.4	339.5	286.6	-	-	-	-	-	-	-	-	-	-	-	350.5	299.8	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4		
42.7	324.1	275.6	188.5	-	-	-	-	-	-	-	-	-	-	336.2	289.9	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7		
45.9	308.6	264.6	183.0	-	-	-	-	-	-	-	-	-	-	321.9	280.0	185.2	-	-	-	-	-	-	-	-	-	-	-	-	45.9		
49.2	295.4	255.7	178.0	174.2	-	-	-	-	-	-	-	-	-	308.6	270.1	180.8	178.6	-	-	-	-	-	-	-	-	-	-	-	49.2		
52.5	282.2	246.9	173.1	167.6	-	-	-	-	-	-	-	-	-	295.4	260.1	176.4	172.0	-	-	-	-	-	-	-	-	-	-	-	52.5		
55.8	272.3	238.1	168.7	160.4	134.5	-	-	-	-	-	-	-	-	284.4	252.4	172.5	165.3	136.7	-	-	-	-	-	-	-	-	-	-	55.8		
59.1	262.4	229.3	164.2	153.2	130.1	-	-	-	-	-	-	-	-	273.4	244.7	168.7	158.7	132.3	-	-	-	-	-	-	-	-	-	-	59.1		
62.3	252.4	222.7	160.4	147.7	126.2	-	111.3	-	-	-	-	-	-	264.6	237.0	164.8	153.2	128.4	-	113.5	-	-	-	-	-	-	-	-	62.3		
65.6	242.5	216.1	156.5	142.2	122.4	82.2	107.8	-	-	-	-	-	-	255.7	229.3	160.9	147.7	124.6	-	109.6	-	-	-	-	-	-	-	-	65.6		
68.9	234.8	210.0	153.2	137.2	118.5	80.2	104.1	-	-	-	-	-	-	248.0	223.2	157.6	142.7	121.3	80.9	105.9	-	-	-	-	-	-	-	-	68.9		
72.2	227.1	203.9	149.9	132.3	114.6	78.3	100.3	81.4	-	-	-	-	-	240.3	217.2	154.3	137.8	117.9	79.1	102.3	82.2	-	-	-	-	-	-	-	72.2		
78.7	213.8	192.9	143.3	123.5	108.5	75.0	93.9	76.5	-	-	-	-	-	224.9	206.1	147.7	129.0	111.3	75.8	95.9	77.6	-	-	-	-	-	-	-	78.7		
85.3	201.7	183.0	137.8	116.8	102.5	71.7	88.0	72.3	-	-	-	-	-	213.8	196.2	142.2	121.3	105.8	72.8	90.6	73.4	-	-	-	-	-	-	-	85.3		
88.6	196.2	179.1	135.6	113.5	99.9	70.1	85.3	70.4	47.8	-	-	-	-	208.3	191.8	140.0	117.9	103.2	71.4	88.1	71.7	-	-	-	-	-	-	-	88.6		
91.9	190.7	175.3	133.4	110.2	97.2	68.6	82.7	68.6	46.7	-	-	-	-	202.8	187.4	137.8	114.6	100.5	70.1	85.5	69.9	47.0	-	-	-	-	-	-	91.9		
98.4	181.9	168.7	129.0	104.1	92.4	65.9	77.8	65.0	44.5	-	-	-	-	192.9	180.8	133.4	109.3	95.9	67.5	80.7	66.6	45.0	-	-	-	-	-	-	98.4		
111.5	165.3	155.4	121.3	93.9	84.7	61.3	69.7	58.9	41.0	-	-	-	-	176.4	166.4	125.7	99.0	87.7	62.8	72.5	60.4	41.4	-	-	-	-	-	-	111.5		
124.7	152.1	144.4	114.6	85.5	78.3	57.5	62.8	53.6	37.9	-	-	-	-	157.6	155.4	119.0	90.4	81.6	59.1	65.5	55.3	38.6	-	-	-	-	-	-	124.7		
137.8	138.9	135.6	110.2	78.7	72.8	54.2	57.3	49.4	35.3	-	-	-	-	135.6	136.7	113.5	83.3	76.1	55.8	60.2	50.9	35.9	-	-	-	-	-	-	137.8		
144.4	130.1	128.4	108.7	75.8	70.3	52.8	55.0	47.6	34.2	-	-	-	-	126.8	127.3	111.9	80.4	73.6	54.5	57.8	49.3	34.8	-	-	-	-	-	-	144.4		
150.9	121.3	121.3	-	73.0	67.9	51.4	52.7	45.9	33.1	-	-	-	-	117.9	117.9	110.2	77.4	71.2	53.1	55.3	47.6	33.7	-	-	-	-	-	-	150.9		
157.5	114.2	113.5	-	70.5	65.8	50.3	50.6	44.3	32.1	-	-	-	-	110.9	111.1	108.7	74.7	69.1	51.9	53.2	46.1	32.8	-	-	-	-	-	-	157.5		
164.0	107.1	-	-	68.1	63.7	49.2	48.5	42.8	31.1	-	-	-	-	103.8	104.3	-	72.1	67.0	50.7	51.1	44.5	32.0	-	-	-	-	-	-	164.0		
177.2	-	-	-	63.9	60.4	47.4	45.2	40.1	29.5	-	-	-	-	91.9	92.2	-	67.9	63.3	48.7	47.6	41.9	30.2	-	-	-	-	-	-	177.2		
180.4	-	-	-	63.1	59.8	47.2	44.4	39.5	29.2	-	-	-	-	89.3	-	-	66.9	62.6	48.3	46.8	41.3	29.9	-	-	-	-	-	-	180.4		
190.3	-	-	-	60.6	58.0	-	42.1	37.7	28.0	-	-	-	-	-	-	-	64.2	60.4	47.2	44.5	39.5	28.9	-	-	-	-	-	-	190.3		
196.9	-	-	-	59.3	56.9	-	40.9	36.7	27.4	-	-	-	-	-	-	-	62.5	59.2	46.7	43.2	38.4	28.2	-	-	-	-	-	-	196.9		
203.4	-	-	-	58.0	-	-	39.7	35.7	26.9	-	-	-	-	-	-	-	60.8	58.0	-	41.9	37.3	27.6	-	-	-	-	-	-	203.4		
213.3	-	-	-	-	-	-	37.9	34.6	26.2	-	-	-	-	-	-	-	59.0	56.7	-	40.1	35.9	26.9	-	-	-	-	-	-	213.3		
216.5	-	-	-	-	-	-	37.5	34.2	26.0	-	-	-	-	-	-	-	58.4	-	-	39.5	35.5	26.7	-	-	-	-	-	-	216.5		
219.8	-	-	-	-	-	-	37.0	33.8	26.0	-	-	-	-	-	-	-	58.0	-	-	39.0	35.1	26.5	-	-	-	-	-	-	219.8		
229.7	-	-	-	-	-	-	35.5	32.8	-	-	-	-	-	-	-	-	-	-	-	37.5	34.0	25.8	-	-	-	-	-	-	229.7		
232.9	-	-	-	-	-	-	35.1	32.6	-	-	-	-	-	-	-	-	-	-	-	37.0	33.7	25.8	-	-	-	-	-	-	232.9		
236.2	-	-	-	-	-	-	34.8	32.4	-	-	-	-	-	-	-	-	-	-	-	36.6	33.4	-	-	-	-	-	-	-	236.2		
239.5	-	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	-	-	-	-	36.2	33.1	-	-	-	-	-	-	-	239.5		
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	32.8	-	-	-	-	-	-	-	242.8		
252.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.7	32.2	-	-	-	-	-	-	-	252.6		
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	255.9		
		55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb																								

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

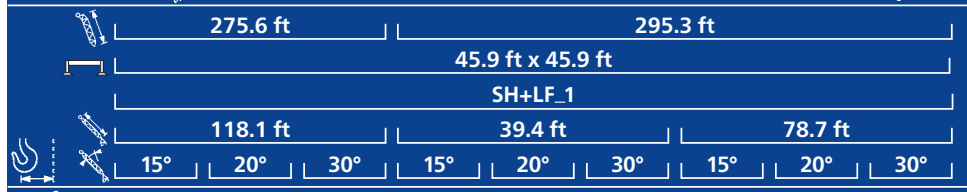
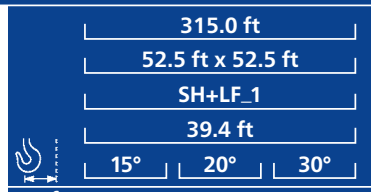
 39.4-118.1 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5									
 177.2 ft												 196.9 ft													
 39.4 ft x 39.4 ft																									
SH+LF_1																									
 39.4 ft				 78.7 ft				 118.1 ft				 39.4 ft				 78.7 ft				 118.1 ft					
 15°		 20°		 30°		 15°		 20°		 30°		 15°		 20°		 30°		 15°		20°		30°			
ft		1,000 lb																						ft	
39.4	359.4	-	-	-	-	-	-	-	-	-	-	368.2	-	-	-	-	-	-	-	-	-	-	-	39.4	
42.7	345.0	295.4	-	-	-	-	-	-	-	-	-	354.9	297.6	-	-	-	-	-	-	-	-	-	-	42.7	
45.9	330.7	284.4	187.4	-	-	-	-	-	-	-	-	341.7	288.8	-	-	-	-	-	-	-	-	-	-	45.9	
49.2	318.6	275.6	183.0	-	-	-	-	-	-	-	-	329.6	281.1	185.2	-	-	-	-	-	-	-	-	-	49.2	
52.5	306.4	266.8	178.6	175.3	-	-	-	-	-	-	-	317.5	273.4	180.8	178.6	-	-	-	-	-	-	-	-	52.5	
59.1	286.6	251.3	170.9	163.1	133.4	-	-	-	-	-	-	295.4	257.9	174.2	166.4	135.6	-	-	-	-	-	-	-	59.1	
65.6	266.8	238.1	164.2	152.1	126.8	-	110.2	-	-	-	-	277.8	244.7	167.6	156.5	127.9	-	111.3	-	-	-	-	-	65.6	
68.9	259.0	231.5	160.9	147.2	123.5	81.4	107.0	-	-	-	-	270.1	239.2	164.2	151.6	124.6	-	108.4	-	-	-	-	-	68.9	
72.2	251.3	224.9	157.6	142.2	120.2	79.8	103.8	-	-	-	-	262.4	233.7	160.9	146.6	121.3	80.2	105.4	-	-	-	-	-	72.2	
75.5	244.7	219.9	154.9	137.8	116.8	78.3	100.8	80.5	-	-	-	254.6	227.1	158.2	142.2	118.5	78.8	102.4	81.1	-	-	-	-	75.5	
78.7	238.1	215.0	152.1	133.4	113.5	76.7	97.7	78.5	-	-	-	246.9	220.5	155.4	137.8	115.7	77.4	99.4	79.1	-	-	-	-	78.7	
85.3	224.9	203.9	146.6	126.8	108.7	73.9	92.4	74.5	-	-	-	235.9	211.6	149.9	131.2	110.2	74.5	94.1	75.4	-	-	-	-	85.3	
91.9	213.8	195.1	142.2	120.2	103.6	71.2	87.5	71.0	47.0	-	-	222.7	202.8	145.5	124.6	106.3	72.1	89.5	71.9	-	-	-	-	91.9	
95.1	208.9	191.3	140.0	116.8	101.3	69.9	85.3	69.3	46.1	-	-	218.3	198.4	143.3	121.3	104.1	70.9	87.3	70.3	46.3	-	-	-	95.1	
98.4	203.9	187.4	137.8	113.5	99.0	68.6	83.1	67.7	45.2	-	-	213.8	194.0	141.1	117.9	101.9	69.7	85.1	68.8	45.4	-	-	-	98.4	
111.5	184.1	175.3	130.1	103.6	90.8	64.2	75.0	61.9	41.9	-	-	180.8	180.8	133.4	108.0	93.7	65.5	77.2	63.3	42.3	-	-	-	111.5	
124.7	155.4	156.5	123.5	95.0	84.2	60.4	68.1	56.9	39.0	-	-	152.1	153.2	126.8	99.2	86.9	61.7	70.3	58.2	39.5	-	-	-	124.7	
137.8	133.4	133.4	117.9	87.5	79.1	57.3	62.4	52.5	36.6	-	-	130.1	130.1	121.3	91.7	81.6	58.6	64.6	54.0	37.0	-	-	-	137.8	
150.9	114.6	115.7	113.5	81.4	74.3	54.5	58.0	48.9	34.4	-	-	111.3	112.4	113.5	85.3	76.9	56.0	60.0	50.3	35.1	-	-	-	150.9	
164.0	101.0	101.4	102.3	76.1	69.9	52.0	53.8	46.1	32.6	-	-	97.7	98.3	99.2	79.8	72.8	53.4	56.0	47.4	33.3	-	-	-	164.0	
173.9	92.0	92.3	92.8	72.6	67.1	50.5	51.0	44.1	31.3	-	-	88.6	89.1	89.9	76.2	69.9	51.9	53.2	45.4	32.0	-	-	-	173.9	
177.2	89.1	89.3	-	71.4	66.1	50.0	50.0	43.4	30.9	-	-	85.5	86.0	86.9	75.0	68.8	51.4	52.2	44.8	31.5	-	-	-	177.2	
187.0	81.5	81.7	-	68.5	63.8	48.7	47.7	41.6	29.9	-	-	77.9	78.4	78.9	72.0	66.3	50.0	49.8	42.9	30.5	-	-	-	187.0	
190.3	78.9	79.1	-	67.5	63.1	48.3	47.0	41.0	29.5	-	-	75.4	75.8	-	71.0	65.5	49.6	48.9	42.3	30.2	-	-	-	190.3	
193.6	76.7	76.9	-	66.6	62.3	48.0	46.1	40.5	29.2	-	-	73.0	73.4	-	70.1	64.8	49.2	48.2	41.8	29.9	-	-	-	193.6	
196.9	74.5	-	-	65.8	61.6	47.6	45.4	39.9	28.9	-	-	70.5	71.0	-	69.1	64.0	48.8	47.5	41.2	29.5	-	-	-	196.9	
203.4	-	-	-	64.2	60.2	47.0	44.1	38.8	28.2	-	-	66.1	66.4	-	67.2	62.6	48.1	46.1	40.1	28.9	-	-	-	203.4	
210.0	-	-	-	62.7	59.2	46.5	42.9	37.8	27.7	-	-	62.2	62.4	-	65.7	61.4	47.4	44.9	39.1	28.3	-	-	-	210.0	
213.3	-	-	-	62.0	58.7	-	42.3	37.3	27.4	-	-	60.2	-	-	64.9	60.8	47.1	44.3	38.6	28.1	-	-	-	213.3	
216.5	-	-	-	61.3	58.2	-	41.7	36.8	27.1	-	-	-	-	-	64.2	60.2	46.7	43.7	38.1	27.8	-	-	-	216.5	
226.4	-	-	-	59.5	56.9	-	40.0	35.7	26.6	-	-	-	-	-	58.9	58.3	46.1	42.0	36.8	27.1	-	-	-	226.4	
229.7	-	-	-	58.9	56.4	-	39.5	35.3	26.5	-	-	-	-	-	57.1	57.8	-	41.4	36.4	26.9	-	-	-	229.7	
236.2	-	-	-	57.5	-	-	38.5	34.6	26.1	-	-	-	-	-	53.9	54.5	-	40.3	35.7	26.5	-	-	-	236.2	
242.8	-	-	-	-	-	-	37.5	34.0	25.8	-	-	-	-	-	50.7	51.1	-	39.2	35.1	26.0	-	-	-	242.8	
246.1	-	-	-	-	-	-	37.0	33.6	25.6	-	-	-	-	-	49.2	49.6	-	38.9	34.7	25.9	-	-	-	246.1	
249.3	-	-	-	-	-	-	36.7	33.3	25.4	-	-	-	-	-	47.8	-	-	38.5	34.4	25.8	-	-	-	249.3	
252.6	-	-	-	-	-	-	36.3	33.1	-	-	-	-	-	-	46.3	-	-	38.1	34.1	25.7	-	-	-	252.6	
255.9	-	-	-	-	-	-	35.9	32.8	-	-	-	-	-	-	-	-	-	37.7	33.7	25.6	-	-	-	255.9	
262.5	-	-	-	-	-	-	35.3	32.4	-	-	-	-	-	-	-	-	-	36.9	33.3	25.4	-	-	-	262.5	
269.0	-	-	-	-	-	-	34.6	32.0	-	-	-	-	-	-	-	-	-	36.2	32.8	-	-	-	-	269.0	
272.3	-	-	-	-	-	-	34.4	-	-	-	-	-	-	-	-	-	-	35.8	32.6	-	-	-	-	272.3	
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.8	32.0	-	-	-	-	282.2	
285.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	31.7	-	-	-	-	285.4	
292.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	-	-	-	-	-	292.0	

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

39.4-118.1 ft										39.4 ft x 39.4 ft										32.2 ft/s										360°										ASME B30.5									
216.5 ft										236.2 ft																																							
39.4 ft x 39.4 ft																																																	
SH+LF 1																																																	
39.4 ft					78.7 ft					118.1 ft					39.4 ft					78.7 ft					118.1 ft																								
15° 20° 30°					15° 20° 30°					15° 20° 30°					15° 20° 30°					15° 20° 30°					15° 20° 30°																								
ft					1,000 lb										ft																																		
42.7	361.6	-	-	-	-	-	-	-	-	-	-	-	-	368.2	-	-	-	-	-	-	-	-	-	-	-	-	42.7																						
45.9	348.3	293.2	-	-	-	-	-	-	-	-	-	-	-	357.1	295.4	-	-	-	-	-	-	-	-	-	-	-	45.9																						
52.5	326.3	277.8	183.0	-	-	-	-	-	-	-	-	-	-	332.9	280.0	184.1	-	-	-	-	-	-	-	-	-	-	52.5																						
55.8	316.4	270.1	179.1	175.3	-	-	-	-	-	-	-	-	-	323.0	273.4	180.8	178.6	-	-	-	-	-	-	-	-	-	55.8																						
59.1	306.4	262.4	175.3	169.8	-	-	-	-	-	-	-	-	-	313.1	266.8	177.5	173.1	-	-	-	-	-	-	-	-	-	59.1																						
62.3	296.5	255.7	172.5	164.8	132.3	-	-	-	-	-	-	-	-	304.2	261.2	174.2	168.1	133.4	-	-	-	-	-	-	-	-	62.3																						
65.6	286.6	249.1	169.8	159.8	129.0	-	-	-	-	-	-	-	-	295.4	255.7	170.9	163.1	130.1	-	-	-	-	-	-	-	-	65.6																						
68.9	278.9	243.6	166.4	154.9	126.2	-	109.3	-	-	-	-	-	-	287.7	250.2	168.1	158.7	127.3	-	110.2	-	-	-	-	-	-	68.9																						
72.2	271.2	238.1	163.1	149.9	123.5	-	106.3	-	-	-	-	-	-	280.0	244.7	165.3	154.3	124.6	-	107.4	-	-	-	-	-	-	72.2																						
75.5	264.6	232.6	160.4	146.1	120.7	79.1	103.4	-	-	-	-	-	-	273.4	239.2	163.1	149.9	121.8	79.4	104.5	-	-	-	-	-	-	75.5																						
78.7	257.9	227.1	157.6	142.2	117.9	77.8	100.5	79.6	-	-	-	-	-	266.8	233.7	160.9	145.5	119.0	78.3	101.6	80.0	-	-	-	-	-	78.7																						
85.3	244.7	218.3	153.2	134.5	112.4	75.2	95.5	75.8	-	-	-	-	-	253.5	224.9	155.4	138.9	114.6	75.6	96.8	76.5	-	-	-	-	-	85.3																						
91.9	233.7	209.4	148.8	127.9	108.5	72.8	90.8	72.5	-	-	-	-	-	240.3	215.0	151.0	132.3	110.2	73.4	92.2	73.4	-	-	-	-	-	91.9																						
98.4	218.3	200.6	144.4	122.4	104.1	70.5	86.6	69.7	45.4	-	-	-	-	215.0	207.2	147.7	125.7	106.3	71.2	88.2	70.3	45.4	-	-	-	-	98.4																						
111.5	179.7	180.8	136.7	111.3	96.1	66.4	79.1	64.2	42.5	-	-	-	-	176.4	177.5	140.0	115.7	98.5	67.2	80.9	65.3	42.8	-	-	-	-	111.5																						
124.7	151.0	151.0	131.2	103.2	89.5	62.8	72.3	59.5	39.9	-	-	-	-	147.7	148.8	133.4	106.7	91.9	63.7	74.3	60.6	40.1	-	-	-	-	124.7																						
137.8	127.9	129.0	125.7	95.5	84.0	59.7	66.6	55.3	37.5	-	-	-	-	124.6	125.7	127.9	99.2	86.2	60.8	68.6	56.4	37.9	-	-	-	-	137.8																						
150.9	110.2	111.3	112.4	89.1	79.4	57.1	61.7	51.6	35.5	-	-	-	-	107.4	108.2	109.8	92.6	81.6	58.2	63.7	52.9	35.9	-	-	-	-	150.9																						
164.0	95.9	96.6	97.7	83.3	75.2	54.7	57.8	48.5	33.7	92.6	93.3	94.6	86.6	77.8	55.8	59.5	49.6	34.2	164.0																														
177.2	83.8	84.2	85.1	78.5	71.4	52.5	54.5	46.1	32.2	80.0	80.7	82.0	81.8	74.3	53.6	56.2	47.2	32.6	177.2																														
190.3	73.0	73.6	74.5	74.1	67.9	50.7	51.1	43.7	30.6	69.0	69.7	70.8	76.7	70.8	51.8	53.1	44.8	31.3	190.3																														
200.1	66.0	66.5	67.0	71.3	65.8	49.4	49.0	42.0	29.8	61.9	62.6	63.5	69.4	68.3	50.5	50.8	43.1	30.3	200.1																														
203.4	63.7	64.2	-	70.3	65.0	48.9	48.3	41.4	29.5	59.5	60.2	61.1	67.0	67.5	50.0	50.0	42.5	30.0	203.4																														
216.5	55.8	56.0	-	62.2	62.4	47.6	45.6	39.5	28.2	51.6	52.0	52.7	58.6	59.7	48.7	47.4	40.6	28.9	216.5																														
226.4	50.5	50.7	-	56.7	57.4	47.0	43.8	38.1	27.6	46.3	46.7	-	53.0	54.1	47.7	45.6	39.2	28.1	226.4																														
229.7	48.7	-	-	54.9	55.8	46.7	43.2	37.7	27.3	44.5	45.0	-	51.1	52.2	47.4	45.0	38.8	27.8	229.7																														
232.9	47.2	-	-	53.3	54.1	46.5	42.7	37.3	27.1	43.0	43.4	-	49.5	50.6	47.2	44.4	38.4	27.6	232.9																														
239.5	-	-	-	50.1	50.8	46.1	41.6	36.5	26.7	40.1	40.3	-	46.3	47.3	46.7	43.3	37.6	27.1	239.5																														
242.8	-	-	-	48.5	49.2	-	41.0	36.2	26.5	38.6	38.8	-	44.8	45.6	46.5	42.8	37.3	26.9	242.8																														
249.3	-	-	-	45.6	46.2	-	40.1	35.5	26.1	35.7	-	-	41.9	42.7	43.8	41.8	36.5	26.6	249.3																														
252.6	-	-	-	44.1	44.7	-	39.7	35.2	26.0	-	-	-	40.5	41.2	42.3	41.3	36.1	26.4	252.6																														
255.9	-	-	-	42.8	43.2	-	39.2	34.8	25.8	-	-	-	39.0	39.7	-	40.8	35.7	26.2	255.9																														
262.5	-	-	-	40.2	40.6	-	38.5	34.2	25.6	-	-	-	36.5	37.0	-	39.6	35.1	25.9	262.5																														
269.0	-	-	-	37.7	-	-	37.7	33.5	25.4	-	-	-	34.0	34.4	-	38.4	34.6	25.6	269.0																														
278.9	-	-	-	-	-	-	36.5	32.8	24.9	-	-	-	30.5	30.9	-	34.9	33.8	25.2	278.9																														
282.2	-	-	-	-	-	-	36.2	32.6	-	-	-	-	29.3	-	-	33.7	33.5	25.1	282.2																														
285.4	-	-	-	-	-	-	35.3	32.5	-	-	-	-	28.2	-	-	32.6	32.6	25.1	285.4																														
292.0	-	-	-	-	-	-	33.7	32.1	-	-	-	-	-	-	-	30.4	30.9	24.9	292.0																														
295.3	-	-	-	-	-	-	32.8	32.0	-	-	-	-	-	-	-	29.3	30.0	-	295.3																														
301.8	-	-	-	-	-	-	30.9	31.3	-	-	-	-	-	-	-	27.3	28.0	-	301.8																														
308.4	-	-	-	-	-	-	28.9	-	-	-	-	-	-	-	-	25.4	26.0	-	308.4																														
318.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.7	23.1	-	318.2																														
321.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.8	-	-	321.5																														
324.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	-	-	324.8																														
55,100 lb					143,300 lb					231,500 lb					319,700 lb					408,000 lb					496,000 lb																								

  39.4-118.1 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5																
 255.9 ft  275.6 ft																
 39.4 ft x 39.4 ft																
SH+LF 1																
 39.4 ft  78.7 ft  118.1 ft  39.4 ft 78.7 ft																
 15°  20°  30°  15°  20°  30°  15°  20°  30°  15°  20°  30°																
ft	1,000 lb															ft
45.9	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9
49.2	352.7	288.8	-	-	-	-	-	-	-	-	-	-	-	-	-	49.2
52.5	341.7	282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	52.5
55.8	331.8	275.6	181.9	-	-	-	-	-	-	-	-	-	-	-	-	55.8
59.1	321.9	269.0	178.6	176.4	-	-	-	-	-	-	-	-	-	-	-	59.1
65.6	304.2	257.9	173.1	166.4	131.2	-	-	-	-	-	-	-	-	-	-	65.6
72.2	288.8	249.1	167.6	157.6	125.7	-	107.6	-	-	-	-	-	-	-	-	72.2
78.7	273.4	240.3	163.1	148.8	120.2	78.5	102.3	-	-	-	-	-	-	-	-	78.7
82.0	267.9	235.9	160.4	145.5	117.9	77.3	99.9	78.3	-	-	-	-	-	-	-	82.0
85.3	262.4	231.5	157.6	142.2	115.7	76.1	97.4	76.7	-	-	-	-	-	-	-	85.3
91.9	238.1	220.5	154.3	135.6	111.3	73.9	93.0	73.6	-	-	-	-	-	-	-	91.9
98.4	213.8	212.7	149.9	129.0	108.0	71.9	89.3	71.0	-	-	-	-	-	-	-	98.4
101.7	204.2	203.7	148.0	126.5	106.2	70.9	87.5	69.7	44.8	-	-	-	-	-	-	101.7
111.5	175.3	176.4	142.2	119.0	100.5	68.1	82.2	65.9	42.8	-	-	-	-	-	-	111.5
124.7	146.6	147.7	136.7	110.2	94.1	64.6	75.8	61.5	40.3	-	-	-	-	-	-	124.7
137.8	123.5	124.6	126.8	102.5	88.4	61.7	70.3	57.5	38.1	-	-	-	-	-	-	137.8
150.9	106.0	106.9	108.5	95.9	83.6	59.1	65.3	53.8	36.4	-	-	-	-	-	-	150.9
164.0	91.3	91.9	93.5	89.9	79.6	56.7	61.1	50.7	34.6	-	-	-	-	-	-	164.0
177.2	78.3	79.1	80.5	84.9	76.3	54.7	57.5	48.1	33.1	-	-	-	-	-	-	177.2
190.3	67.2	67.9	69.2	75.2	73.0	52.7	54.7	45.9	31.7	-	-	-	-	-	-	190.3
203.4	57.8	58.4	59.5	65.5	66.8	51.1	52.0	43.7	30.4	-	-	-	-	-	-	203.4
216.5	49.8	50.3	51.1	56.9	58.2	49.6	49.2	41.9	29.3	-	-	-	-	-	-	216.5
229.7	42.8	43.2	43.9	49.6	50.5	48.3	46.7	39.9	28.2	-	-	-	-	-	-	229.7
242.8	36.6	37.0	-	43.0	43.9	45.4	44.5	38.4	27.3	-	-	-	-	-	-	242.8
246.1	35.2	35.7	-	41.6	42.4	43.9	44.0	38.0	27.2	-	-	-	-	-	-	246.1
255.9	31.1	31.5	-	37.3	38.1	39.5	42.1	36.8	26.7	-	-	-	-	-	-	255.9
259.2	29.9	30.2	-	36.0	36.8	38.1	40.8	36.4	26.5	-	-	-	-	-	-	259.2
265.7	27.6	-	-	33.5	34.2	35.3	38.1	35.7	26.1	-	-	-	-	-	-	265.7
269.0	-	-	-	32.2	32.8	34.0	36.8	35.3	26.0	-	-	-	-	-	-	269.0
275.6	-	-	-	29.8	30.4	-	34.4	34.2	25.7	-	-	-	-	-	-	275.6
282.2	-	-	-	27.6	28.0	-	32.0	33.1	25.4	-	-	-	-	-	-	282.2
285.4	-	-	-	26.5	27.0	-	30.9	31.9	25.2	-	-	-	-	-	-	285.4
295.3	-	-	-	23.4	23.8	-	27.6	28.4	24.9	-	-	-	-	-	-	295.3
298.6	-	-	-	22.4	22.9	-	26.6	27.4	24.8	-	-	-	-	-	-	298.6
305.1	-	-	-	20.5	-	-	24.6	25.5	24.6	-	-	-	-	-	-	305.1
308.4	-	-	-	-	-	-	23.6	24.5	24.5	-	-	-	-	-	-	308.4
315.0	-	-	-	-	-	-	21.8	22.6	-	-	-	-	-	-	-	315.0
321.5	-	-	-	-	-	-	20.1	20.7	-	-	-	-	-	-	-	321.5
334.6	-	-	-	-	-	-	16.8	17.4	-	-	-	-	-	-	-	334.6
341.2	-	-	-	-	-	-	15.2	-	-	-	-	-	-	-	-	341.2


 55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

													
													
ft	1,000 lb									ft	1,000 lb		
49.2	-	-	-	354.9	-	-	-	-	-	49.2	324.1	-	-
52.5	-	-	-	352.7	286.6	-	-	-	-	52.5	319.7	286.6	-
59.1	-	-	-	335.1	275.6	180.8	-	-	-	59.1	315.3	275.6	181.9
62.3	-	-	-	326.3	270.1	178.0	176.4	-	-	62.3	310.9	271.2	179.1
65.6	-	-	-	317.5	264.6	175.3	172.0	-	-	65.6	306.4	266.8	176.4
68.9	-	-	-	309.7	260.1	173.1	167.6	130.1	-	68.9	303.1	262.4	174.2
72.2	108.2	-	-	302.0	255.7	170.9	163.1	127.9	-	72.2	299.8	257.9	172.0
78.7	103.2	-	-	288.8	246.9	166.4	155.4	122.4	-	78.7	291.0	249.1	167.6
82.0	100.9	-	-	278.9	242.5	164.2	151.6	120.2	77.8	82.0	278.9	242.5	165.9
85.3	98.5	77.2	-	269.0	238.1	162.0	147.7	117.9	76.7	85.3	266.8	235.9	164.2
91.9	94.4	74.3	-	249.1	231.5	158.7	142.2	114.6	74.7	91.9	242.5	224.9	160.9
98.4	90.4	71.4	-	229.3	222.7	154.3	135.6	110.2	72.8	98.4	222.7	212.7	156.5
101.7	88.7	70.2	44.8	220.5	216.9	152.4	133.1	108.7	71.9	101.7	213.0	207.0	154.3
111.5	83.6	66.6	42.8	194.0	199.5	146.6	125.7	104.3	69.4	111.5	184.1	189.6	147.7
124.7	77.6	62.4	40.6	164.2	167.6	140.0	115.7	98.1	66.1	124.7	152.1	163.1	136.7
137.8	72.1	58.4	38.6	138.9	143.3	134.5	108.9	92.4	63.3	137.8	125.7	137.8	125.7
150.9	67.0	54.9	36.6	120.2	122.4	122.4	102.1	87.5	60.6	150.9	106.9	116.8	114.6
164.0	62.8	51.8	34.8	104.3	105.4	105.4	95.9	83.3	58.4	164.0	93.3	100.5	100.5
177.2	59.1	49.2	33.3	89.5	90.4	91.1	90.6	79.6	56.4	177.2	81.6	84.7	86.0
190.3	56.0	46.7	32.0	76.7	77.6	79.1	85.8	75.4	54.9	190.3	66.8	69.2	72.3
203.4	53.6	44.8	30.9	63.5	66.4	67.9	74.3	69.7	53.1	203.4	53.4	55.3	59.5
216.5	50.9	43.0	29.8	51.6	54.5	58.2	64.6	64.2	51.6	216.5	41.0	42.5	47.8
229.7	48.5	41.4	28.7	40.8	43.9	48.1	56.0	57.3	48.9	229.7	30.0	31.3	36.8
242.8	46.1	39.7	27.8	31.1	34.2	37.5	48.7	49.8	44.3	242.8	20.1	21.4	26.9
255.9	44.1	37.9	26.9	22.7	25.6	27.6	41.9	43.0	39.7	255.9	11.5	12.8	17.9
259.2	43.6	37.4	26.7	20.7	23.6	25.1	40.5	41.5	38.5	259.2	9.6	10.9	15.9
262.5	43.1	36.9	26.6	19.0	21.8	-	39.0	40.0	37.4	262.5	7.7	9.0	13.9
269.0	42.1	35.9	26.2	15.4	18.1	-	36.2	37.0	35.1	269.0	-	-	9.9
272.3	41.1	35.3	26.1	13.9	16.4	-	34.5	35.5	33.8	272.3	-	-	7.9
282.2	38.1	33.5	25.6	9.3	11.5	-	29.5	30.9	30.2	282.2	-	-	-
285.4	37.1	33.0	25.5	7.9	10.0	-	27.7	29.0	29.1	285.4	-	-	-
288.7	36.0	32.4	25.4	-	8.6	-	25.9	27.2	28.0	288.7	-	-	-
295.3	34.0	31.3	25.1	-	-	-	22.3	23.6	25.6	295.3	-	-	-
298.6	32.8	30.7	25.0	-	-	-	20.5	21.7	24.5	298.6	-	-	-
308.4	29.5	28.9	24.7	-	-	-	15.2	16.1	-	308.4	-	-	-
321.5	25.4	26.2	24.5	-	-	-	8.4	8.8	-	321.5	-	-	-
334.6	21.2	22.5	-	-	-	-	-	-	-	334.6	-	-	-
347.8	16.8	19.0	-	-	-	-	-	-	-	347.8	-	-	-
351.1	15.9	18.1	-	-	-	-	-	-	-	351.1	-	-	-
357.6	13.7	-	-	-	-	-	-	-	-	357.6	-	-	-


 55,100 lb
 
 143,300 lb
 
 231,500 lb
 
 319,700 lb
 
 408,000 lb
 
 496,000 lb

		 39.4 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5			
		157.5 ft		177.2 ft		196.9 ft		216.5 ft		236.2 ft				246.1 ft							
		39.4 ft x 39.4 ft																			
		LH+LF_1														LH+LF_3					
		39.4 ft																			
		15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	15°	20°	
ft		1,000 lb																			
32.8	392.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36.1	374.8	310.9	-	385.8	-	-	392.4	-	-	-	-	-	-	-	-	-	-	-	-		
39.4	357.1	299.8	-	368.2	306.4	-	379.2	308.6	-	374.8	-	-	366.0	-	-	350.5	-	348.3	-		
42.7	342.8	289.9	200.6	353.8	296.5	202.8	364.9	299.8	-	362.7	302.0	-	354.9	308.6	-	340.6	286.6	341.7	-		
45.9	328.5	280.0	195.1	339.5	286.6	198.4	350.5	291.0	199.5	350.5	293.2	200.6	343.9	299.8	-	330.7	280.0	335.1	280.0		
49.2	316.4	271.2	190.7	327.4	277.8	193.5	338.4	282.2	195.7	339.5	285.5	196.8	332.9	293.2	198.4	320.8	272.3	325.2	273.4		
52.5	304.2	262.4	186.3	315.3	269.0	188.5	326.3	273.4	191.8	328.5	277.8	192.9	321.9	286.6	195.1	310.9	264.6	315.3	266.8		
59.1	282.2	246.9	177.5	295.4	255.7	180.8	306.4	260.1	184.1	306.4	264.6	186.3	299.8	273.4	187.4	293.2	251.3	295.4	253.5		
65.6	264.6	233.7	169.8	277.8	240.3	174.2	288.8	246.9	176.4	286.6	253.5	179.7	280.0	260.1	180.8	275.6	240.3	280.0	242.5		
72.2	249.1	220.5	162.0	260.1	229.3	166.4	269.0	235.9	169.8	266.8	242.5	173.1	262.4	246.9	175.3	262.4	229.3	266.8	233.7		
78.7	233.7	209.4	156.5	246.9	218.3	160.9	251.3	224.9	164.2	249.1	231.5	167.6	246.9	233.7	169.8	249.1	220.5	253.5	222.7		
85.3	222.7	200.6	151.0	233.7	208.3	155.4	235.9	215.0	158.7	233.7	220.5	162.0	231.5	220.5	164.2	238.1	211.6	240.3	215.0		
91.9	211.6	191.8	145.5	222.7	199.5	149.9	220.5	206.1	153.2	219.4	210.5	156.5	217.2	210.5	159.8	227.1	202.8	231.5	206.1		
98.4	201.7	185.2	141.1	212.7	191.8	145.5	209.4	198.4	148.8	207.2	200.6	152.1	205.0	199.5	155.4	217.2	195.1	220.5	198.4		
111.5	184.1	172.0	132.3	190.7	180.8	137.8	188.5	184.1	141.1	185.2	181.9	144.4	183.0	179.7	147.7	184.1	181.9	183.0	184.1		
124.7	164.2	159.8	125.7	162.0	163.1	130.1	159.8	159.8	134.5	156.5	157.6	138.9	155.4	155.4	140.0	154.3	155.4	153.2	154.3		
137.8	142.2	143.3	120.2	140.0	140.0	124.6	137.8	137.8	127.9	134.5	135.6	132.3	132.3	133.4	133.4	132.3	133.4	131.2	132.3		
150.9	124.6	125.7	115.7	122.4	122.4	119.0	119.0	120.2	121.3	116.8	116.8	117.9	114.6	115.7	116.8	114.6	114.6	112.4	113.5		
157.5	117.4	118.5	114.6	115.3	115.5	114.1	112.2	113.0	114.0	109.7	109.9	110.9	107.4	108.1	109.5	107.1	107.6	105.7	106.4		
164.0	110.2	111.3	-	108.2	108.7	109.1	105.4	105.8	106.7	102.5	103.0	103.8	100.3	101.0	102.1	100.1	100.8	98.5	99.2		
170.6	104.6	105.2	-	102.3	102.6	102.7	99.2	99.6	100.5	96.5	96.9	97.5	94.2	94.8	95.8	94.0	94.6	92.4	93.0		
173.9	101.8	102.1	-	99.3	99.6	-	96.1	96.6	97.4	93.4	93.9	94.5	91.2	91.7	92.6	91.0	91.5	89.3	89.9		
177.2	99.0	-	-	96.3	96.6	-	93.3	93.7	94.4	90.4	90.8	91.5	88.2	88.6	89.5	88.0	88.4	86.2	86.9		
180.4	96.3	-	-	93.7	94.0	-	90.7	91.2	91.7	87.8	88.2	88.9	85.6	86.0	86.9	85.4	85.8	83.6	84.3		
187.0	-	-	-	88.6	88.8	-	85.6	86.1	86.4	82.6	83.1	83.7	80.4	80.9	81.7	80.2	80.6	78.4	79.1		
190.3	-	-	-	86.2	86.4	-	83.1	83.6	-	80.0	80.5	81.1	77.8	78.3	79.1	77.6	78.0	75.8	76.5		
196.9	-	-	-	81.8	-	-	78.8	79.1	-	75.7	76.1	76.6	73.3	73.7	74.6	73.1	73.5	71.0	71.7		
200.1	-	-	-	-	-	-	76.7	76.9	-	73.6	73.9	74.3	71.0	71.5	72.4	70.8	71.3	68.8	69.2		
203.4	-	-	-	-	-	-	74.5	74.7	-	71.4	71.7	-	68.8	69.2	70.1	68.6	69.0	66.6	67.0		
206.7	-	-	-	-	-	-	72.7	72.8	-	69.4	69.7	-	66.8	67.2	67.9	66.5	67.0	64.5	65.0		
213.3	-	-	-	-	-	-	69.0	-	-	65.5	65.7	-	62.8	63.3	63.7	62.4	62.9	60.5	60.9		
216.5	-	-	-	-	-	-	-	-	-	63.5	63.9	-	60.8	61.3	-	60.4	60.8	58.4	58.9		
223.1	-	-	-	-	-	-	-	-	-	60.1	60.2	-	57.4	57.8	-	57.0	57.3	55.0	55.3		
229.7	-	-	-	-	-	-	-	-	-	56.7	-	-	54.0	54.2	-	53.6	53.8	51.6	51.8		
232.9	-	-	-	-	-	-	-	-	-	55.1	-	-	52.5	52.7	-	52.0	52.2	50.0	50.3		
242.8	-	-	-	-	-	-	-	-	-	-	-	-	47.8	48.1	-	47.4	47.6	45.4	45.6		
249.3	-	-	-	-	-	-	-	-	-	-	-	-	45.2	-	-	44.8	-	42.8	42.8		
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.1	-		

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

		39.4 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5			
		255.9 ft				265.8 ft				275.6 ft				285.5 ft							
		39.4 ft x 39.4 ft																			
		LH+LF_1				LH+LF_3				LH+LF_1				LH+LF_3		LH+LF_4		LH+LF_3		LH+LF_4	
		39.4 ft																			
		15°	20°	30°	15°	20°	15°	20°	15°	20°	30°	15°	20°	15°	20°	15°	20°	15°	20°		
ft		1,000 lb																		ft	
42.7	330.7	-	-	348.3	-	352.7	-	310.9	-	-	346.1	-	392.4	-	-	-	-	-	42.7		
45.9	319.7	284.4	-	337.3	299.8	341.7	310.9	306.4	284.4	-	341.7	308.6	379.2	-	330.7	-	370.4	-	45.9		
49.2	310.9	276.7	-	327.4	293.2	331.8	304.2	302.0	281.1	-	332.9	303.1	363.8	302.0	323.0	304.2	356.0	302.0	49.2		
52.5	302.0	269.0	195.1	317.5	286.6	321.9	297.6	297.6	277.8	196.2	324.1	297.6	348.3	295.4	315.3	297.6	341.7	295.4	52.5		
59.1	284.4	255.7	188.5	299.8	275.6	304.2	284.4	282.2	266.8	190.7	306.4	284.4	321.9	282.2	297.6	286.6	315.3	284.4	59.1		
65.6	269.0	242.5	183.0	284.4	264.6	286.6	271.2	266.8	257.9	185.2	288.8	273.4	297.6	271.2	282.2	273.4	291.0	273.4	65.6		
72.2	253.5	231.5	177.5	269.0	255.7	273.4	260.1	249.1	244.7	179.7	271.2	257.9	273.4	255.7	264.6	257.9	269.0	260.1	72.2		
78.7	240.3	220.5	172.0	255.7	244.7	257.9	246.9	235.9	229.3	175.3	255.7	244.7	251.3	240.3	249.1	244.7	244.7	240.3	78.7		
85.3	227.1	210.5	167.6	244.7	235.9	242.5	235.9	220.5	217.2	169.8	240.3	233.7	229.3	224.9	235.9	229.3	224.9	222.7	85.3		
91.9	215.0	200.6	162.0	233.7	224.9	227.1	222.7	208.3	203.9	165.3	227.1	220.5	209.4	210.5	220.5	217.2	205.0	206.1	91.9		
98.4	203.9	191.8	157.6	219.4	216.1	215.0	212.7	196.2	192.9	160.9	213.8	210.5	191.8	196.2	209.4	203.9	186.3	189.6	98.4		
111.5	180.8	174.2	149.9	184.1	185.2	181.9	183.0	174.2	170.9	151.0	180.8	183.0	159.8	168.7	179.7	180.8	154.3	160.9	111.5		
124.7	152.1	153.2	143.3	154.3	155.4	153.2	154.3	151.0	152.1	142.2	152.1	153.2	133.4	144.4	149.9	151.0	127.9	135.6	124.7		
137.8	130.1	130.1	132.3	132.3	133.4	130.1	131.2	129.0	130.1	131.2	129.0	130.1	113.5	121.3	126.8	127.9	108.5	114.6	137.8		
150.9	111.3	112.4	113.5	114.6	114.6	112.4	112.4	110.2	111.3	113.5	111.3	112.4	100.1	102.3	109.6	110.2	94.6	97.9	150.9		
164.0	97.2	98.1	99.2	99.9	100.5	97.7	98.5	96.3	97.0	98.3	97.0	97.7	87.5	89.3	94.8	95.5	83.3	85.3	164.0		
177.2	85.1	85.8	86.6	87.7	88.2	85.5	86.2	84.0	84.7	85.8	84.7	85.3	76.3	77.6	82.5	83.1	72.3	73.9	177.2		
190.3	74.5	75.2	76.1	77.4	77.8	75.0	75.6	73.2	73.9	75.2	74.1	74.7	65.9	66.8	71.2	71.9	62.2	63.5	190.3		
203.4	65.0	65.7	66.6	68.3	68.8	65.5	66.1	63.9	64.4	65.5	64.6	65.3	56.4	57.3	61.7	62.4	53.1	54.0	203.4		
216.5	57.1	57.5	58.2	60.2	60.6	57.5	58.0	55.8	56.2	57.1	56.4	56.9	48.3	48.9	53.6	54.2	45.0	45.9	216.5		
229.7	50.0	50.5	50.9	53.1	53.6	50.5	50.7	48.7	49.2	49.8	49.4	49.8	41.0	41.9	46.5	47.0	37.7	38.6	229.7		
242.8	43.9	44.1	-	47.2	47.4	44.3	44.5	42.5	43.0	43.4	43.2	43.7	34.8	35.7	40.3	40.8	31.3	32.4	242.8		
255.9	38.6	38.8	-	41.7	41.9	38.8	39.2	37.0	37.5	-	37.9	38.1	29.5	30.4	34.8	35.3	26.0	27.1	255.9		
259.2	37.3	37.5	-	40.5	40.8	37.6	38.0	35.9	36.3	-	36.7	36.9	28.4	29.2	33.6	34.1	24.9	26.1	259.2		
265.7	34.8	-	-	38.1	-	35.3	35.5	33.6	33.8	-	34.3	34.5	26.2	26.8	31.2	31.6	22.7	24.0	265.7		
269.0	-	-	-	-	-	34.2	-	32.4	32.6	-	33.1	33.3	25.1	25.6	30.0	30.4	21.6	22.9	269.0		
272.3	-	-	-	-	-	33.1	-	31.3	31.5	-	32.0	32.2	24.1	-	28.9	29.3	20.7	21.8	272.3		
275.6	-	-	-	-	-	-	-	30.2	-	-	30.9	31.1	23.0	-	27.9	28.2	19.8	20.7	275.6		
282.2	-	-	-	-	-	-	-	27.3	-	-	28.9	-	20.9	-	25.8	26.0	18.1	-	282.2		
288.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.9	-	16.3	-	288.7		
292.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.9	-	-	-	292.0		
		55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb														

  39.4 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5															
 295.3 ft 305.1 ft 315.0 ft 39.4 ft x 39.4 ft LH+LF_1 LH+LF_3 LH+LF_4 LH+LF_3 LH+LF_1 LH+LF_3 39.4 ft 15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20° 30° 15° 20° 															
ft	1,000 lb														ft
45.9	286.6	-	-	306.4	-	359.4	-	295.4	-	253.5	-	-	282.2	-	45.9
49.2	282.2	257.9	-	300.9	288.8	346.1	304.2	291.0	280.0	250.2	233.7	-	277.8	269.0	49.2
52.5	277.8	255.7	-	295.4	284.4	332.9	297.6	286.6	277.8	246.9	229.3	-	273.4	266.8	52.5
55.8	272.3	251.3	194.0	289.9	280.0	320.8	291.0	281.1	272.3	243.6	227.1	189.6	267.9	262.4	55.8
59.1	266.8	246.9	190.7	284.4	275.6	308.6	284.4	275.6	266.8	240.3	224.9	186.3	262.4	257.9	59.1
65.6	253.5	240.3	185.2	271.2	266.8	286.6	273.4	262.4	257.9	233.7	218.3	181.9	253.5	249.1	65.6
72.2	240.3	233.7	180.8	257.9	253.5	264.6	260.1	249.1	246.9	227.1	211.6	177.5	242.5	238.1	72.2
78.7	227.1	220.5	176.4	242.5	240.3	240.3	238.1	235.9	233.7	216.1	203.9	173.1	229.3	227.1	78.7
85.3	215.0	210.5	172.0	231.5	227.1	220.5	220.5	224.9	220.5	205.0	195.1	168.7	218.3	216.1	85.3
91.9	202.8	199.5	167.6	219.4	216.1	201.7	201.7	212.7	210.5	194.0	187.4	164.2	207.2	205.0	91.9
98.4	190.7	189.6	162.0	207.2	203.9	183.0	185.2	201.7	199.5	184.1	178.6	159.8	196.2	194.0	98.4
111.5	169.8	169.8	151.0	179.7	180.8	151.0	155.4	177.5	178.6	165.3	163.1	148.8	176.4	174.2	111.5
124.7	148.8	149.9	138.9	149.9	151.0	125.7	130.1	148.8	149.9	146.6	147.7	136.7	147.7	148.8	124.7
137.8	125.7	126.8	127.9	127.9	129.0	105.4	110.0	125.7	126.8	124.6	125.7	125.7	124.6	125.7	137.8
150.9	108.2	109.1	110.2	110.0	110.2	91.1	94.4	107.8	108.7	106.3	107.4	109.1	107.1	108.0	150.9
164.0	93.5	94.1	95.7	95.2	95.9	80.9	82.5	93.0	93.7	91.5	92.4	93.9	92.2	93.0	164.0
177.2	80.7	81.6	83.1	82.9	83.6	70.3	71.2	80.2	81.1	78.5	79.4	80.9	79.4	80.2	177.2
190.3	69.7	70.3	71.7	71.9	72.5	60.4	61.1	69.0	69.9	67.2	68.1	69.4	68.1	69.0	190.3
203.4	60.2	60.8	61.9	62.4	63.1	51.6	52.0	59.5	60.2	57.8	58.4	59.7	58.6	59.3	203.4
216.5	52.0	52.7	53.6	54.2	54.7	43.4	43.9	51.4	52.0	49.6	50.3	51.4	50.5	51.1	216.5
229.7	45.0	45.4	46.3	47.2	47.6	36.4	36.6	44.3	44.8	42.5	43.0	44.1	43.4	43.9	229.7
242.8	38.8	39.2	39.9	40.8	41.2	30.0	30.2	37.9	38.6	36.2	36.8	37.5	37.0	37.5	242.8
255.9	33.3	33.5	34.2	35.5	35.7	24.5	24.9	32.4	32.8	30.6	31.1	31.7	31.5	32.0	255.9
259.2	32.0	32.3	32.8	34.3	34.5	23.3	23.8	31.3	31.5	29.4	29.9	30.5	30.3	30.8	259.2
269.0	28.4	28.7	-	30.6	30.9	19.8	20.5	27.6	28.0	25.8	26.2	26.9	26.7	27.1	269.0
272.3	27.3	27.6	-	29.5	29.8	18.8	19.5	26.5	26.9	24.7	25.1	25.6	25.6	26.0	272.3
282.2	24.0	24.3	-	26.2	26.5	15.9	17.0	23.4	23.6	21.6	21.8	-	22.3	22.7	282.2
285.4	23.1	23.3	-	25.3	25.5	15.1	15.9	22.4	22.6	20.6	20.8	-	21.3	21.7	285.4
292.0	21.2	21.4	-	23.4	23.6	13.6	-	20.4	20.6	18.5	18.8	-	19.5	19.7	292.0
295.3	20.3	-	-	22.5	-	12.8	-	19.4	19.6	17.6	17.9	-	18.5	18.7	295.3
298.6	19.4	-	-	21.6	-	11.9	-	18.5	18.7	16.8	17.0	-	17.6	17.9	298.6
308.4	-	-	-	-	-	-	-	16.1	-	14.1	14.3	-	15.0	15.2	308.4
315.0	-	-	-	-	-	-	-	-	-	12.6	-	-	13.4	-	315.0


55,100 lb
143,300 lb
231,500 lb
319,700 lb
408,000 lb
496,000 lb

39.4 ft 45.9 ft x 45.9 ft 32.2 ft/s 360° ASME B30.5											
305.1 ft 324.8 ft 334.6 ft 45.9 ft x 45.9 ft LH+LF_4 LH+LF_3 LH+LF_1 LH+LF_3 39.4 ft 15° 20° 15° 20° 15° 20° 30° 15° 20°											
ft	1,000 lb										ft
45.9	350.5	-	-	-	-	-	-	-	-	45.9	
49.2	337.3	304.2	264.6	-	233.7	-	-	257.9	-	49.2	
52.5	324.1	299.8	260.1	257.9	229.3	213.8	-	255.7	246.9	52.5	
59.1	299.8	286.6	251.3	249.1	224.9	207.2	174.2	246.9	240.3	59.1	
65.6	280.0	271.2	242.5	240.3	217.2	201.7	169.8	238.1	233.7	65.6	
72.2	257.9	253.5	231.5	231.5	210.5	195.1	164.2	229.3	227.1	72.2	
78.7	235.9	233.7	220.5	220.5	202.8	189.6	159.8	220.5	218.3	78.7	
85.3	216.1	215.0	210.5	209.4	192.9	183.0	155.4	209.4	207.2	85.3	
91.9	196.2	197.3	200.6	199.5	183.0	176.4	152.1	199.5	197.3	91.9	
98.4	178.6	179.7	190.7	188.5	174.2	169.8	147.7	189.6	187.4	98.4	
111.5	146.6	149.9	172.0	169.8	156.5	156.5	137.8	170.9	169.8	111.5	
124.7	120.2	124.6	154.3	153.2	141.1	143.3	127.9	153.2	152.1	124.7	
137.8	100.1	104.7	138.9	137.8	126.8	130.1	117.9	137.8	136.7	137.8	
150.9	85.3	89.3	124.6	124.6	113.5	116.8	109.1	122.4	122.4	150.9	
164.0	76.3	78.0	109.3	110.0	101.9	103.6	99.4	108.0	108.0	164.0	
177.2	66.1	67.2	95.0	95.7	91.7	91.5	90.4	93.5	93.7	177.2	
190.3	56.7	57.5	82.2	83.1	80.7	81.4	81.4	80.7	81.6	190.3	
203.4	47.8	48.5	71.2	72.1	69.7	70.3	71.9	69.7	70.5	203.4	
216.5	40.1	40.3	61.9	62.6	60.2	60.8	62.2	60.2	61.1	216.5	
229.7	32.8	33.1	53.8	54.2	52.0	52.7	53.8	52.0	52.7	229.7	
242.8	26.7	26.9	46.5	47.0	44.8	45.4	46.3	45.0	45.4	242.8	
255.9	20.9	21.4	40.1	40.6	38.6	39.0	39.9	38.6	39.0	255.9	
269.0	16.3	16.8	34.6	35.1	32.8	33.3	34.0	32.8	33.3	269.0	
282.2	12.3	13.0	29.5	30.0	27.8	28.2	28.9	28.0	28.2	282.2	
288.7	10.7	11.5	27.3	27.7	25.6	26.0	26.5	25.7	26.0	288.7	
292.0	9.9	10.8	26.2	26.5	24.5	24.9	-	24.5	24.9	292.0	
295.3	9.0	-	25.1	25.4	23.4	23.8	-	23.4	23.8	295.3	
298.6	8.4	-	24.1	24.4	22.0	22.5	-	22.4	22.8	298.6	
308.4	-	-	21.2	21.4	17.9	18.7	-	19.4	19.6	308.4	
318.2	-	-	18.5	18.7	13.4	14.6	-	16.8	17.0	318.2	
321.5	-	-	17.6	-	11.9	13.2	-	15.9	16.1	321.5	
324.8	-	-	16.8	-	10.5	11.7	-	15.0	15.2	324.8	
328.1	-	-	-	-	9.0	-	-	14.2	-	328.1	
334.6	-	-	-	-	-	-	-	12.6	-	334.6	
	55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb					



55,100 lb

143,300 lb

231,500 lb

319,700 lb

408,000 lb

496,000 lb

		 39.4 ft				 52.5 ft x 52.5 ft				 32.2 ft/s				360°				ASME B30.5						
		315.0 ft		324.8 ft		334.6 ft		344.5 ft				354.3 ft				364.2 ft								
		52.5 ft x 52.5 ft																						
		LH+LF_4				LH+LF_3				LH+LF_4		LH+LF_1		LH+LF_3		LH+LF_4		LH+LF_3						
		39.4 ft																						
		15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	30°	15°	20°	15°	20°	15°	20°				
ft		1,000 lb																						
45.9	346.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
49.2	332.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
52.5	319.7	299.8	313.1	297.6	304.2	297.6	244.7	235.9	286.6	264.6	215.0	200.6	-	233.7	227.1	275.6	-	222.7	-	-				
55.8	308.6	293.2	302.0	289.9	293.2	287.7	240.3	233.7	281.1	260.1	212.7	197.3	-	230.4	224.9	270.1	255.7	220.5	216.1	-				
59.1	297.6	286.6	291.0	282.2	282.2	277.8	235.9	231.5	275.6	255.7	210.5	195.1	163.1	227.1	222.7	264.6	251.3	218.3	213.8	-				
65.6	275.6	269.0	269.0	266.8	262.4	257.9	229.3	222.7	262.4	246.9	203.9	188.5	158.7	220.5	217.2	253.5	244.7	211.6	208.3	-				
72.2	255.7	251.3	249.1	246.9	244.7	240.3	220.5	217.2	244.7	238.1	198.4	183.0	154.3	213.8	211.6	238.1	233.7	205.0	203.9	-				
78.7	235.9	231.5	229.3	229.3	227.1	222.7	212.7	208.3	229.3	227.1	192.9	177.5	149.9	206.1	205.0	220.5	220.5	198.4	197.3	-				
85.3	213.8	212.7	209.4	209.4	206.1	203.9	202.8	198.4	209.4	211.6	185.2	172.0	146.6	197.3	195.1	206.1	207.2	189.6	188.5	-				
91.9	195.1	195.1	189.6	190.7	187.4	186.3	192.9	188.5	190.7	192.9	176.4	166.4	142.2	187.4	186.3	189.6	188.5	181.9	180.8	-				
98.4	176.4	177.5	172.0	173.1	168.7	168.7	184.1	179.7	174.2	175.3	167.6	159.8	138.9	179.7	177.5	173.1	172.0	173.1	172.0	-				
111.5	144.4	146.6	138.9	142.2	136.7	138.9	166.4	162.0	142.2	144.4	151.0	148.8	130.1	162.0	160.9	141.1	141.1	157.6	156.5	-				
124.7	117.9	121.3	112.4	116.8	110.0	113.5	148.8	146.6	115.7	117.9	135.6	136.7	121.3	146.6	145.5	117.9	115.7	142.2	141.1	-				
137.8	97.0	101.4	91.7	96.1	88.4	93.3	133.4	131.2	94.8	96.8	121.3	124.6	112.4	131.2	130.1	101.2	94.4	126.8	126.8	-				
150.9	81.8	86.2	76.1	80.7	72.3	77.4	119.0	117.9	78.0	80.5	108.9	112.4	103.6	116.8	116.8	85.8	77.6	113.5	112.4	-				
164.0	72.3	75.6	65.9	70.3	61.3	66.4	105.6	105.6	66.1	69.0	97.4	100.3	94.6	103.4	103.4	71.9	65.5	100.3	100.3	-				
177.2	63.9	65.3	59.3	61.3	55.8	58.4	91.3	91.3	59.1	62.6	87.1	88.2	86.2	89.1	89.1	59.5	58.2	86.4	86.4	-				
190.3	54.7	55.8	50.5	52.0	48.1	49.6	79.1	79.1	52.5	53.8	77.2	77.2	77.2	76.7	76.7	48.7	50.9	74.3	74.3	-				
203.4	46.3	47.0	42.3	43.4	40.6	41.4	68.3	68.3	44.8	45.6	66.6	66.6	66.6	66.1	66.1	39.5	43.0	63.7	63.7	-				
216.5	38.6	39.0	34.8	35.5	33.3	33.7	60.8	60.8	37.5	38.1	59.1	59.1	59.1	58.6	58.6	31.5	35.7	56.2	56.2	-				
229.7	31.5	32.0	28.0	28.4	26.2	26.7	52.7	52.7	30.9	31.3	50.7	50.7	50.7	50.3	50.3	25.1	28.9	47.8	47.8	-				
242.8	25.4	25.6	21.8	22.0	19.6	20.3	45.2	45.2	24.7	24.9	43.4	43.4	43.4	43.0	43.0	20.3	22.7	40.3	40.3	-				
252.6	21.2	21.4	17.7	17.7	15.0	16.0	40.3	40.3	20.6	20.8	38.4	38.4	38.4	38.0	38.0	17.6	18.6	35.5	35.5	-				
255.9	19.8	20.1	16.3	16.3	13.4	14.6	38.8	38.8	19.2	19.4	36.8	36.8	36.8	36.4	36.4	-	17.2	34.0	34.0	-				
265.7	16.0	16.4	12.5	12.7	9.0	10.6	34.3	34.3	15.4	15.6	32.4	32.4	32.4	31.9	31.9	-	13.4	29.5	29.5	-				
269.0	14.8	15.2	11.2	11.5	-	9.3	32.8	32.8	14.1	14.3	30.9	30.9	30.9	30.4	30.4	-	12.1	28.0	28.0	-				
272.3	13.7	14.2	10.1	10.4	-	8.2	31.5	31.5	13.0	13.2	29.5	29.4	29.0	29.2	29.2	-	11.0	26.7	26.7	-				
278.9	11.7	12.2	8.2	8.4	-	-	28.9	28.9	10.8	11.0	26.9	26.4	25.2	26.6	26.6	-	8.8	24.0	24.0	-				
282.2	10.6	11.2	-	-	-	-	27.6	27.6	9.7	9.9	25.6	24.9	23.4	25.4	25.4	-	7.7	22.7	22.7	-				
288.7	8.8	9.7	-	-	-	-	25.2	25.1	7.7	7.9	22.2	20.9	19.4	22.9	22.7	-	-	20.4	20.4	-				
292.0	7.9	8.9	-	-	-	-	24.0	23.9	-	-	20.4	19.1	17.4	21.7	21.6	-	-	19.2	19.2	-				
295.3	-	8.2	-	-	-	-	22.7	22.7	-	-	18.5	17.2	15.4	20.5	20.5	-	-	18.1	18.1	-				
301.8	-	-	-	-	-	-	20.6	20.6	-	-	14.8	13.3	11.5	18.3	18.3	-	-	15.9	15.9	-				
308.4	-	-	-	-	-	-	18.5	18.5	-	-	11.0	9.5	-	16.1	16.1	-	-	13.7	13.7	-				
311.7	-	-	-	-	-	-	17.5	17.5	-	-	9.0	-	-	15.1	15.1	-	-	12.7	12.7	-				
321.5	-	-	-	-	-	-	14.6	14.6	-	-	-	-	-	12.1	12.1	-	-	9.7	9.7	-				
328.1	-	-	-	-	-	-	12.8	12.8	-	-	-	-	-	10.4	10.4	-	-	7.9	7.9	-				
334.6	-	-	-	-	-	-	11.0	11.0	-	-	-	-	-	8.6	8.6	-	-	-	-	-				
337.9	-	-	-	-	-	-	10.1	-	-	-	-	-	-	7.7	7.7	-	-	-	-	-				
341.2	-	-	-	-	-	-	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-				
		55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb																	

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

 39.4 ft / 59.0 ft  39.4 ft x 39.4 ft / 45.9 ft x 45.9 ft / 52.5 ft x 52.5 ft  32.2 ft/s 360° ASME B30.5															
 374.0 ft  52.5 ft x 52.5 ft LH+LF_1  39.4 ft  15° 20° 30°				 275.6 ft 285.5 ft 295.3 ft 305.1 ft 315.0 ft  39.4 ft x 39.4 ft 45.9 ft x 45.9 ft 52.5 x 52.5 ft LH+LF_4  59.0 ft  15° 20° 15° 20° 15° 20° 15° 20° 15° 20°											
ft 1,000 lb				ft 1,000 lb											
52.5	200.6	-	-	49.2	277.8	-	-	-	-	-	-	-	-	-	-
55.8	197.3	189.6	-	52.5	271.2	-	271.2	-	273.4	-	273.4	-	275.6	-	-
59.1	195.1	187.4	-	55.8	263.5	202.8	264.6	203.9	266.8	-	266.8	-	269.0	-	-
62.3	192.9	185.2	156.5	59.1	255.7	198.4	257.9	199.5	260.1	199.5	260.1	200.6	262.4	201.7	-
65.6	190.7	183.0	155.4	65.6	242.5	190.7	244.7	191.8	246.9	191.8	249.1	192.9	249.1	194.0	-
72.2	184.1	178.6	152.1	72.2	231.5	183.0	233.7	184.1	235.9	185.2	235.9	186.3	235.9	187.4	-
78.7	178.6	174.2	148.8	78.7	220.5	176.4	222.7	177.5	224.9	178.6	224.9	179.7	222.7	180.8	-
85.3	172.0	169.8	144.4	85.3	210.5	170.9	209.4	172.0	210.5	173.1	209.4	174.2	208.3	174.2	-
91.9	164.2	163.1	142.2	91.9	199.5	165.3	196.2	166.4	196.2	167.6	194.0	167.6	191.8	167.6	-
98.4	156.5	155.4	138.9	98.4	188.5	159.8	184.1	160.9	181.9	162.0	178.6	162.0	176.4	160.9	-
111.5	141.1	141.1	132.3	111.5	167.6	146.6	160.9	148.8	155.4	151.0	151.0	151.0	148.8	146.6	-
124.7	126.8	126.8	123.5	124.7	146.6	132.3	138.9	133.4	133.4	134.5	126.8	134.5	124.6	131.2	-
137.8	113.5	115.7	112.4	137.8	126.8	117.9	119.0	117.9	113.5	117.9	106.9	117.9	104.1	115.7	-
150.9	101.9	104.1	101.2	150.9	107.8	104.5	101.9	102.5	96.6	102.3	90.2	101.2	87.3	99.6	-
164.0	89.7	93.0	89.9	164.0	89.5	91.3	86.2	87.1	82.9	86.0	77.2	84.2	74.3	83.6	-
177.2	77.8	82.5	78.5	177.2	78.9	80.2	75.0	76.5	72.1	73.6	67.9	69.7	64.8	67.5	-
190.3	66.1	71.4	66.8	190.3	69.0	70.1	65.5	66.6	62.8	64.2	58.9	60.4	56.9	58.4	-
203.4	54.7	59.3	55.8	203.4	60.2	60.8	56.7	57.5	54.2	55.3	50.7	51.8	48.9	50.3	-
216.5	43.2	47.2	45.2	216.5	51.8	52.5	48.7	49.4	46.5	47.4	43.0	43.9	41.4	42.5	-
229.7	32.2	34.8	35.1	229.7	44.5	45.2	41.4	42.1	39.2	40.1	35.9	36.8	34.6	35.5	-
242.8	21.4	22.7	25.4	242.8	37.9	38.6	34.8	35.5	32.8	33.5	29.8	30.4	28.2	29.1	-
255.9	10.6	10.6	16.1	255.9	32.4	33.1	29.1	29.8	27.1	27.8	24.0	24.7	22.7	23.4	-
259.2	7.9	-	14.0	269.0	27.3	28.2	24.3	24.9	22.0	22.7	19.0	19.6	17.6	18.3	-
265.7	-	-	9.7	282.2	23.4	24.5	19.8	20.9	17.6	18.5	14.3	15.2	13.2	13.9	-
				288.7	21.7	22.9	18.2	19.3	15.9	16.8	12.5	13.3	11.2	11.9	-
				295.3	20.1	-	16.5	17.6	14.1	15.0	10.6	11.5	9.3	9.9	-
				298.6	19.5	-	15.8	-	13.3	14.3	9.7	10.7	8.4	9.1	-
				301.8	19.0	-	15.1	-	12.6	13.7	8.9	9.9	-	8.4	-
				305.1	-	-	14.4	-	11.8	13.0	8.2	9.3	-	-	-
				308.4	-	-	13.7	-	11.0	-	-	8.6	-	-	-
				311.7	-	-	-	-	10.4	-	-	7.9	-	-	-
				318.2	-	-	-	-	9.3	-	-	-	-	-	-

 55,100 lb
  143,300 lb
  231,500 lb
  319,700 lb
  408,000 lb
  496,000 lb

		 78.7 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5			
													
 39.4 ft x 39.4 ft													
 LH+LF_1													
 78.7 ft													
													
15°		20°		30°		15°		20°		30°			
ft		1,000 lb										ft	
45.9	190.7	-	-	-	-	-	-	-	-	-	-	45.9	
49.2	183.5	-	-	187.4	-	-	190.7	-	-	-	-	49.2	
52.5	176.4	146.6	-	180.8	-	-	184.1	-	-	187.4	-	52.5	
55.8	169.8	142.2	-	174.2	143.3	-	178.0	145.5	-	181.9	-	55.8	
59.1	163.1	137.8	-	167.6	140.0	-	172.0	141.1	-	176.4	142.2	59.1	
62.3	157.6	133.9	-	162.6	136.1	-	167.0	137.2	-	170.9	138.9	62.3	
65.6	152.1	130.1	87.7	157.6	132.3	88.2	162.0	133.4	-	165.3	135.6	65.6	
68.9	147.2	126.2	85.8	152.7	129.0	86.4	157.1	130.1	86.9	160.9	132.3	68.9	
72.2	142.2	122.4	83.8	147.7	125.7	84.7	152.1	126.8	85.3	156.5	129.0	72.2	
78.7	134.5	116.8	80.5	138.9	119.0	81.4	143.3	121.3	82.2	147.7	123.5	78.7	
85.3	126.8	110.2	77.2	131.2	113.5	78.5	136.7	115.7	79.4	141.1	117.9	85.3	
91.9	120.2	105.4	74.3	124.6	108.7	75.6	129.0	111.3	76.7	133.4	113.5	91.9	
98.4	113.5	100.5	71.4	119.0	103.8	73.0	123.5	106.7	74.1	127.9	109.1	98.4	
111.5	103.6	92.4	66.8	108.5	95.7	68.3	112.4	98.5	69.7	116.8	101.0	111.5	
124.7	95.0	86.0	62.8	99.6	89.1	64.4	104.1	91.7	65.7	108.2	94.1	124.7	
137.8	87.7	80.2	59.5	92.2	83.6	61.1	96.3	86.2	62.4	100.5	88.4	137.8	
150.9	81.6	75.4	56.4	85.8	78.5	58.2	89.9	81.4	59.5	93.7	83.8	150.9	
164.0	76.3	71.0	54.0	80.2	74.1	55.6	84.2	76.9	56.9	88.0	79.4	164.0	
177.2	71.9	67.2	51.8	75.6	70.1	53.4	79.4	73.0	54.7	82.9	75.4	177.2	
190.3	67.9	64.2	50.3	71.7	66.8	51.6	75.0	69.4	52.7	78.5	71.9	190.3	
193.6	67.1	63.5	50.0	70.7	66.1	51.2	74.1	68.6	52.4	77.5	71.1	193.6	
203.4	64.8	61.7	-	68.1	64.2	50.0	71.4	66.4	51.1	74.5	68.8	203.4	
210.0	63.5	60.8	-	66.6	62.9	49.6	69.8	65.1	50.5	71.4	67.5	210.0	
213.3	62.8	60.4	-	65.8	62.3	-	68.9	64.5	50.2	69.9	66.8	213.3	
216.5	62.2	-	-	65.0	61.7	-	68.1	63.9	49.8	68.3	66.1	216.5	
223.1	-	-	-	63.8	61.0	-	66.1	62.8	49.4	64.9	64.0	223.1	
229.7	-	-	-	62.6	60.2	-	64.2	61.7	-	61.5	61.9	229.7	
236.2	-	-	-	61.5	-	-	61.3	60.2	-	58.3	58.8	236.2	
242.8	-	-	-	-	-	-	58.4	58.6	-	55.1	55.6	242.8	
246.1	-	-	-	-	-	-	56.9	57.3	-	53.7	54.1	246.1	
252.6	-	-	-	-	-	-	54.0	-	-	50.8	51.3	252.6	
255.9	-	-	-	-	-	-	-	-	-	49.4	49.8	255.9	
262.5	-	-	-	-	-	-	-	-	-	46.8	47.2	262.5	
269.0	-	-	-	-	-	-	-	-	-	44.3	-	269.0	
278.9	-	-	-	-	-	-	-	-	-	-	38.4	278.9	
282.2	-	-	-	-	-	-	-	-	-	-	37.3	282.2	
285.4	-	-	-	-	-	-	-	-	-	-	36.4	285.4	
295.3	-	-	-	-	-	-	-	-	-	-	-	295.3	
301.8	-	-	-	-	-	-	-	-	-	-	-	301.8	
		55,100 lb		143,300 lb		231,500 lb		319,700 lb		408,000 lb		496,000 lb	

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

 78.7 ft  39.4 ft x 39.4 ft / 45.9 ft x 45.9 ft / 52.5 ft x 52.5 ft  32.2 ft/s 360° ASME B30.5											
 275.6 ft  295.3 ft						 315.0 ft					
 39.4 ft x 39.4 ft						 45.9 ft x 45.9 ft					
LH+LF_1						LH+LF_1					
 78.7 ft						 78.7 ft					
 15°  20°  30°  15°  20°  30°						 15°  20°  30°					
ft						ft					
1,000 lb						1,000 lb					
55.8	183.0	-	-	-	-	59.1	153.2	-	-	62.3	141.1
59.1	180.8	-	-	169.8	-	65.6	148.8	129.0	-	65.6	138.9
62.3	178.0	140.0	-	167.6	-	72.2	144.4	125.7	-	68.9	137.2
65.6	175.3	137.8	-	165.3	137.8	78.7	140.0	122.4	83.6	72.2	135.6
72.2	166.4	132.3	-	159.8	132.3	85.3	135.6	119.0	81.4	78.7	131.2
75.5	162.6	129.5	85.1	157.6	130.1	91.9	131.2	115.7	79.4	82.0	129.0
78.7	158.7	126.8	83.8	155.4	127.9	98.4	127.9	112.4	77.6	85.3	126.8
85.3	152.1	122.4	81.4	151.0	123.5	111.5	119.0	106.7	74.1	91.9	122.4
91.9	145.5	119.0	79.1	146.6	119.0	124.7	112.4	101.0	70.8	98.4	117.9
98.4	138.9	114.6	77.2	142.2	115.7	137.8	105.2	95.7	67.9	111.5	110.2
111.5	127.9	107.8	73.2	131.2	108.9	150.9	98.5	90.6	65.3	124.7	103.8
124.7	119.0	101.2	69.9	122.4	102.7	164.0	92.2	86.0	62.8	137.8	97.2
137.8	111.3	95.2	66.6	114.6	97.0	177.2	86.4	82.0	60.6	150.9	90.8
150.9	104.3	90.2	63.9	107.6	91.9	190.3	80.9	78.3	58.9	164.0	85.1
164.0	98.1	86.0	61.5	100.3	87.5	203.4	75.2	72.8	57.3	177.2	79.8
177.2	90.2	82.2	59.3	87.7	83.8	216.5	69.2	67.0	55.6	190.3	75.0
190.3	79.6	78.5	57.3	76.9	78.3	229.7	62.4	61.7	54.0	203.4	70.5
203.4	70.3	71.4	55.6	67.2	68.6	242.8	54.9	56.0	51.4	216.5	64.8
216.5	61.9	63.1	53.8	58.6	60.0	255.9	48.3	49.4	48.1	229.7	59.1
229.7	54.5	55.6	52.0	51.4	52.2	269.0	42.5	43.4	44.8	242.8	53.4
242.8	48.1	48.9	50.5	44.8	45.6	282.2	37.3	37.9	39.2	255.9	47.8
255.9	42.3	43.0	44.3	39.0	39.9	295.3	32.4	33.1	34.4	269.0	41.9
269.0	37.3	37.9	39.0	33.7	34.6	308.4	28.2	28.9	29.8	282.2	36.4
282.2	32.6	33.1	34.2	29.1	29.8	311.7	27.2	27.9	28.7	295.3	31.3
295.3	28.4	28.9	-	24.9	25.6	321.5	24.3	24.9	-	308.4	26.7
298.6	27.5	28.0	-	24.0	24.6	334.6	20.7	21.2	-	321.5	22.5
308.4	24.7	25.1	-	21.2	21.8	347.8	17.6	17.9	-	328.1	20.3
311.7	23.9	24.3	-	20.3	20.9	354.3	16.1	-	-	331.4	19.2
321.5	21.4	-	-	17.9	18.3	360.9	-	-	-	334.6	18.1
328.1	-	-	-	16.2	16.5	364.2	-	-	-	341.2	15.9
334.6	-	-	-	14.8	-	367.5	-	-	-	347.8	13.7
337.9	-	-	-	14.1	-	374.0	-	-	-	360.9	9.3
341.2	-	-	-	-	-	383.9	-	-	-	364.2	8.4

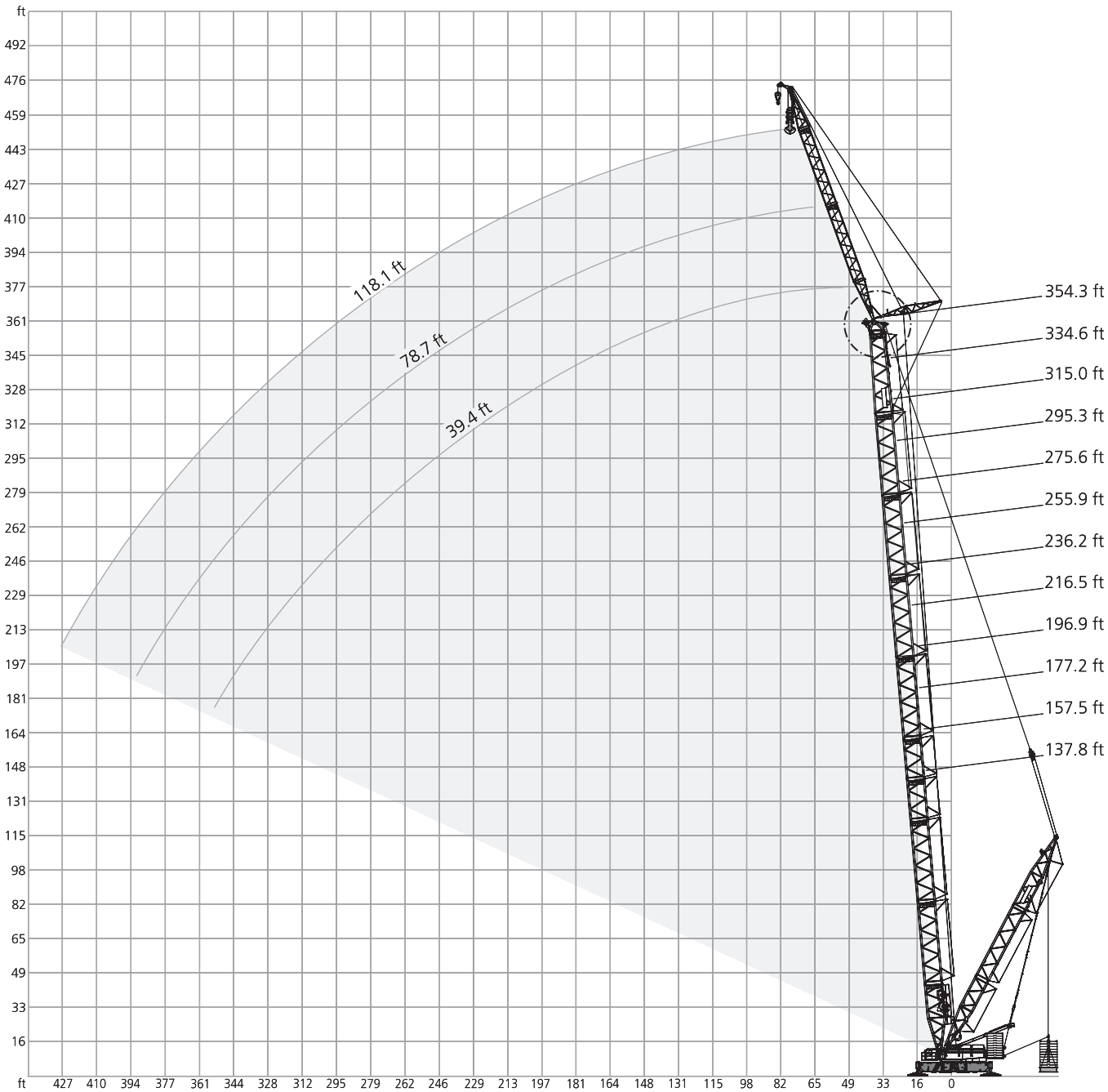
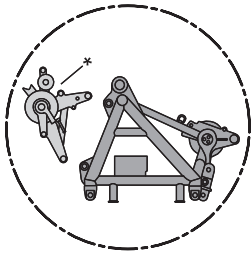
	55,100 lb	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb
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		 118.1 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5							
		157.5 ft		177.2 ft		196.9 ft		216.5 ft		236.2 ft		255.9 ft					
		39.4 ft x 39.4 ft															
		LH+LF.1															
		118.1 ft															
		15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	15°	20°	30°	
ft		1,000 lb															ft
59.1	120.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1
62.3	116.3	-	-	117.9	-	-	119.0	-	-	-	-	-	-	-	-	-	62.3
65.6	112.4	-	-	113.5	-	-	114.6	-	-	115.7	-	-	115.7	-	-	-	65.6
68.9	109.0	88.6	-	110.6	-	-	111.8	-	-	112.8	-	-	113.5	-	-	113.5	68.9
72.2	105.6	86.0	-	107.6	86.6	-	108.9	87.3	-	109.8	-	-	110.2	-	-	110.2	72.2
75.5	102.5	83.7	-	104.5	84.4	-	105.9	85.2	-	106.9	85.5	-	107.7	85.8	-	108.0	75.5
78.7	99.4	81.4	-	101.4	82.2	-	103.0	83.1	-	104.1	83.6	-	105.2	83.8	-	105.8	78.7
85.3	94.1	77.2	-	96.1	78.3	-	97.7	79.1	-	99.0	79.8	-	100.1	80.2	-	101.0	85.3
88.6	91.5	75.3	51.1	93.7	76.5	51.4	95.3	77.4	-	96.7	78.2	-	97.9	78.7	-	98.8	88.6
91.9	88.8	73.4	50.0	91.3	74.7	50.3	93.0	75.6	50.5	94.4	76.5	50.5	95.7	77.2	-	96.6	91.9
95.1	86.5	71.8	49.1	89.0	73.1	49.3	90.8	74.1	49.5	92.3	75.0	49.6	93.7	75.6	49.6	94.7	95.1
98.4	84.2	70.1	48.1	86.6	71.4	48.3	88.6	72.5	48.5	90.2	73.4	48.7	91.7	74.1	48.9	92.8	98.4
111.5	75.8	63.7	44.3	78.5	65.5	45.0	80.7	66.8	45.4	82.5	67.9	45.6	84.2	68.8	45.9	85.5	111.5
124.7	68.8	58.4	41.2	71.4	60.2	41.9	73.6	61.7	42.3	75.6	62.8	42.8	77.6	63.9	43.2	79.1	124.7
137.8	63.3	54.2	38.6	65.7	55.8	39.2	67.9	57.3	39.9	69.9	58.4	40.3	71.9	59.7	40.8	73.4	137.8
150.9	58.4	50.7	36.4	61.1	52.2	37.0	63.1	53.6	37.7	64.8	54.7	38.1	66.8	56.0	38.6	68.3	150.9
164.0	54.2	47.4	34.4	56.9	49.2	35.1	59.3	50.5	35.7	60.8	51.6	36.2	62.6	52.7	36.8	64.2	164.0
177.2	50.5	44.5	32.6	53.1	46.3	33.3	55.6	47.6	34.0	57.8	48.9	34.6	59.1	50.0	35.1	60.4	177.2
190.3	47.4	42.1	31.1	49.8	43.7	31.7	52.0	45.2	32.4	54.2	46.5	33.1	56.2	47.6	33.7	57.5	190.3
203.4	44.5	39.9	29.8	47.0	41.4	30.4	49.2	43.0	31.1	51.1	44.1	31.7	53.4	45.4	32.2	54.9	203.4
216.5	42.1	37.9	28.7	44.3	39.5	29.3	46.5	40.8	30.0	48.5	42.1	30.6	50.5	43.4	31.1	52.2	216.5
229.7	40.1	36.4	28.0	42.1	37.7	28.4	44.1	39.0	28.9	46.1	40.3	29.5	48.1	41.4	30.0	49.8	229.7
232.9	39.7	36.1	27.8	41.6	37.4	28.3	43.6	38.6	28.7	45.5	39.9	29.3	47.4	41.0	29.8	49.2	232.9
242.8	38.4	35.3	-	40.1	36.4	27.8	42.1	37.5	28.2	43.9	38.6	28.7	45.6	39.7	29.1	47.4	242.8
246.1	38.0	35.1	-	39.7	36.1	27.6	41.7	37.1	28.1	43.4	38.3	28.4	45.1	39.4	28.9	46.9	246.1
249.3	37.6	34.8	-	39.4	35.8	-	41.2	36.8	27.9	42.9	37.9	28.2	44.6	39.0	28.7	46.4	249.3
255.9	36.8	-	-	38.6	35.3	-	40.3	36.2	27.6	41.9	37.3	27.8	43.7	38.4	28.2	45.4	255.9
262.5	-	-	-	37.8	34.8	-	39.5	35.7	27.3	41.1	36.7	27.6	42.8	37.7	27.9	43.8	262.5
265.7	-	-	-	37.4	34.6	-	39.0	35.5	-	40.7	36.4	27.4	42.3	37.4	27.7	42.9	265.7
269.0	-	-	-	37.0	-	-	38.6	35.3	-	40.3	36.2	27.3	41.9	37.0	27.6	42.1	269.0
272.3	-	-	-	36.8	-	-	38.3	35.1	-	40.0	35.9	27.2	41.5	36.8	27.4	41.0	272.3
275.6	-	-	-	-	-	-	37.9	34.8	-	39.6	35.6	27.1	41.1	36.5	27.3	39.8	275.6
282.2	-	-	-	-	-	-	37.3	34.4	-	38.8	35.1	-	40.3	35.9	27.1	37.5	282.2
285.4	-	-	-	-	-	-	37.0	34.2	-	38.5	34.9	-	39.5	35.7	27.0	36.4	285.4
288.7	-	-	-	-	-	-	36.8	-	-	38.1	34.7	-	38.4	35.5	26.8	35.3	288.7
292.0	-	-	-	-	-	-	-	-	-	37.8	34.6	-	37.4	35.3	26.7	34.2	292.0
295.3	-	-	-	-	-	-	-	-	-	37.5	34.4	-	36.4	35.1	-	33.1	295.3
301.8	-	-	-	-	-	-	-	-	-	36.0	34.0	-	34.4	34.0	-	31.2	301.8
305.1	-	-	-	-	-	-	-	-	-	35.3	-	-	33.4	33.4	-	30.3	305.1
308.4	-	-	-	-	-	-	-	-	-	34.6	-	-	32.4	32.8	-	29.3	308.4
318.2	-	-	-	-	-	-	-	-	-	-	-	-	29.8	30.2	-	26.5	318.2
321.5	-	-	-	-	-	-	-	-	-	-	-	-	28.9	-	-	25.6	321.5
324.8	-	-	-	-	-	-	-	-	-	-	-	-	28.0	-	-	24.8	324.8
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.5	334.6
341.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	341.2

55,100 lb 143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

 118.1 ft				 39.4 ft x 39.4 ft / 45.9 ft x 45.9 ft / 52.5 ft x 52.5 ft								 32.2 ft/s				360° ASME B30.5			
 275.6 ft				 295.3 ft				 315.0 ft				 334.6 ft							
 39.4 ft x 39.4 ft				 45.9 ft x 45.9 ft								 52.5 ft x 52.5 ft							
 LH+LF_1				 LH+LF_1								 LH+LF_1							
 118.1 ft				 118.1 ft								 118.1 ft							
 15° 20° 30°				 15° 20° 30° 15° 20° 30°								 15° 20° 30°							
ft		1,000 lb		ft		1,000 lb						ft		1,000 lb					
68.9	113.5	-	-	72.2	109.8	-	-	-	-	-	-	75.5	93.9	-	-				
72.2	110.2	-	-	75.5	107.8	-	-	-	100.3	-	-	78.7	92.6	-	-				
78.7	106.3	84.0	-	78.7	105.8	-	-	99.0	-	-	-	85.3	89.9	77.2	-				
85.3	101.6	80.9	-	82.0	103.8	82.2	-	97.7	81.8	-	-	91.9	87.5	75.4	-				
91.9	97.4	77.8	-	85.3	101.9	80.9	-	96.3	80.2	-	-	98.4	84.9	73.4	-				
98.4	93.7	75.2	48.7	91.9	98.1	78.0	-	93.7	77.6	-	-	101.7	83.6	72.5	47.6				
111.5	87.1	70.3	46.1	98.4	94.4	75.4	48.7	91.1	75.2	-	-	111.5	79.8	69.7	45.9				
124.7	80.9	65.9	43.7	101.7	92.7	74.2	48.1	89.7	74.0	47.8	-	124.7	75.0	65.9	43.7				
137.8	75.4	61.9	41.4	111.5	87.7	70.5	46.1	85.8	70.5	45.9	-	137.8	70.3	62.6	41.7				
150.9	70.3	58.2	39.5	124.7	81.8	66.4	43.7	80.9	66.6	43.7	-	150.9	66.1	59.3	39.9				
164.0	66.1	55.1	37.7	137.8	76.5	62.6	41.7	76.1	62.8	41.7	-	164.0	62.2	56.0	38.4				
177.2	62.4	52.2	35.9	150.9	71.7	59.1	39.7	71.9	59.5	39.9	-	177.2	58.4	53.1	36.8				
190.3	59.1	49.8	34.6	164.0	67.2	55.8	37.9	67.7	56.4	38.1	-	190.3	55.1	50.5	35.3				
203.4	56.7	47.8	33.3	177.2	63.5	53.1	36.4	64.2	53.6	36.6	-	203.4	52.2	48.1	34.2				
216.5	54.2	45.9	32.2	190.3	60.2	50.5	34.8	60.6	51.1	35.1	-	216.5	49.4	45.6	32.8				
229.7	51.6	44.1	31.1	203.4	57.5	48.5	33.7	57.5	48.9	34.0	-	229.7	47.0	43.7	32.0				
242.8	49.2	42.3	30.0	216.5	55.1	46.7	32.4	54.9	47.2	32.8	-	242.8	44.3	41.7	31.1				
255.9	46.3	40.6	29.1	229.7	52.9	45.0	31.3	52.0	45.6	31.7	-	255.9	41.7	39.7	30.2				
269.0	41.0	38.8	28.4	242.8	50.5	43.4	30.4	49.2	44.1	30.9	-	269.0	38.8	37.7	29.3				
282.2	36.2	37.3	27.8	255.9	48.1	41.7	29.5	46.3	42.3	30.0	-	282.2	36.2	35.7	28.2				
295.3	32.0	32.8	27.1	269.0	45.6	40.1	28.7	43.4	40.8	28.9	-	295.3	33.5	33.7	26.7				
308.4	28.0	28.9	26.7	282.2	43.2	38.1	28.0	40.3	39.2	28.0	-	308.4	30.6	30.9	24.9				
321.5	24.5	25.1	26.2	295.3	38.6	35.7	27.3	36.6	36.8	27.1	-	321.5	26.9	26.9	23.1				
334.6	21.2	21.8	-	308.4	34.2	33.5	26.9	32.2	33.1	26.2	-	334.6	22.7	22.7	21.4				
347.8	18.1	18.7	-	321.5	30.2	30.9	26.5	28.0	28.9	25.4	-	347.8	19.0	19.0	19.0				
351.1	17.4	17.9	-	334.6	26.5	27.1	26.2	24.3	25.1	24.7	-	360.9	15.7	15.7	15.7				
357.6	16.1	-	-	347.8	22.9	23.6	-	20.9	21.6	22.9	-	364.2	14.8	14.8	14.8				
360.9	-	-	-	351.1	22.2	22.8	-	20.2	20.8	22.0	-	374.0	12.3	12.3	-				
367.5	-	-	-	360.9	19.8	20.5	-	17.9	18.5	-	-	387.1	9.5	9.5	-				
374.0	-	-	-	367.5	18.4	19.0	-	16.3	17.0	-	-	393.7	7.9	7.9	-				
383.9	-	-	-	374.0	17.0	-	-	15.0	15.4	-	-	400.3	-	-	-				
387.1	-	-	-	383.9	-	-	-	12.8	13.2	-	-	403.5	-	-	-				
393.7	-	-	-	387.1	-	-	-	12.1	-	-	-	406.8	-	-	-				
400.3	-	-	-	393.7	-	-	-	11.0	-	-	-	410.1	-	-	-				

 55,100 lb
  143,300 lb
  231,500 lb
  319,700 lb
  408,000 lb
  496,000 lb



* Attachable

496,000 lb				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5					
   	137.8 ft																		
	SSL+LF_1																		
	39.4 ft								78.7 ft						118.1 ft				
	0 lb-716.6 klb				0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		
	0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb
	15°		20°		30°		15°		20°		30°		15°		20°		30°		
	1,000 lb																		
ft																			
36.1	357.1	357.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
39.4	339.5	339.5	264.6	264.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42.7	324.1	324.1	254.6	254.6	168.7	168.7	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	308.6	308.6	244.7	244.7	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	-	
49.2	295.4	295.4	235.9	235.9	159.8	159.8	174.2	174.2	-	-	-	-	-	-	-	-	-	-	
52.5	282.2	282.2	227.1	227.1	155.4	155.4	166.4	166.4	-	-	-	-	-	-	-	-	-	-	
55.8	272.3	272.3	219.9	219.9	151.6	151.6	159.8	159.8	127.9	127.9	-	-	-	-	-	-	-	-	
59.1	262.4	262.4	212.7	212.7	147.7	147.7	153.2	153.2	123.5	123.5	-	-	-	-	-	-	-	-	
62.3	252.4	252.4	206.7	206.7	144.4	144.4	147.7	147.7	119.6	119.6	-	-	112.4	112.4	-	-	-	-	
65.6	242.5	242.5	200.6	200.6	141.1	141.1	142.2	142.2	115.7	115.7	79.1	79.1	108.2	108.7	-	-	-	-	
72.2	227.1	227.1	189.6	189.6	135.6	135.6	132.3	132.3	108.7	108.7	75.2	75.2	100.5	100.8	81.6	81.6	-	-	
78.7	213.8	213.8	179.7	179.7	130.1	130.1	123.5	123.5	102.5	102.5	71.7	71.7	93.7	93.9	76.5	76.5	-	-	
85.3	201.7	201.7	170.9	170.9	124.6	124.6	116.8	116.8	97.0	97.0	68.6	68.6	88.0	88.0	72.1	72.1	-	-	
88.6	196.2	196.2	166.4	166.4	122.4	122.4	113.4	113.4	94.6	94.6	67.1	67.1	85.3	85.3	70.1	70.1	47.8	48.1	
91.9	190.7	190.7	162.0	162.0	120.2	120.2	110.0	110.0	92.2	92.2	65.7	65.7	82.7	82.7	68.1	68.1	46.7	47.0	
98.4	181.9	181.9	155.4	155.4	116.8	116.8	104.1	104.1	87.7	87.7	63.1	63.1	77.8	77.8	64.6	64.6	44.8	44.8	
111.5	165.7	165.7	143.7	143.7	110.4	110.4	94.4	94.4	80.4	80.4	58.8	58.8	70.0	70.0	58.6	58.6	41.2	41.2	
124.7	152.1	152.1	133.7	133.7	104.9	104.9	85.9	85.9	73.9	73.9	55.0	55.0	63.2	63.2	53.3	53.3	38.1	38.1	
137.8	141.1	141.1	125.7	125.7	100.5	100.5	78.7	78.7	68.3	68.3	51.6	51.6	57.3	57.3	48.7	48.7	35.3	35.3	
144.4	137.1	137.1	122.7	122.7	98.8	98.8	75.9	75.9	66.2	66.2	50.3	50.3	55.0	55.0	47.0	47.0	34.1	34.1	
150.9	133.0	133.0	119.8	119.8	-	-	73.1	73.1	64.1	64.1	49.1	49.1	52.8	52.8	45.2	45.2	32.9	32.9	
157.5	129.0	129.0	116.8	116.8	-	-	70.3	70.3	61.9	61.9	47.8	47.8	50.5	50.5	43.4	43.4	31.7	31.7	
164.0	121.3	125.7	-	-	-	-	68.2	68.2	60.3	60.3	46.9	46.9	48.7	48.7	42.0	42.0	30.9	30.9	
177.2	-	-	-	-	-	-	63.9	63.9	56.9	56.9	45.0	45.0	45.2	45.2	39.2	39.2	29.1	29.1	
180.4	-	-	-	-	-	-	63.1	63.1	56.3	56.3	44.8	44.8	44.5	44.5	38.7	38.7	28.8	28.8	
190.3	-	-	-	-	-	-	60.7	60.7	54.5	54.5	-	-	42.3	42.3	36.9	36.9	27.8	27.8	
196.9	-	-	-	-	-	-	59.1	59.1	53.4	53.4	-	-	40.8	40.8	35.7	35.7	27.1	27.1	
203.4	-	-	-	-	-	-	58.0	58.0	-	-	-	-	39.7	39.7	34.8	34.8	26.6	26.6	
216.5	-	-	-	-	-	-	-	-	-	-	-	-	37.5	37.5	33.1	33.1	25.6	25.6	
219.8	-	-	-	-	-	-	-	-	-	-	-	-	37.0	37.0	32.7	32.7	25.4	25.4	
229.7	-	-	-	-	-	-	-	-	-	-	-	-	35.7	35.7	31.7	31.7	-	-	
236.2	-	-	-	-	-	-	-	-	-	-	-	-	34.8	34.8	31.1	31.1	-	-	
239.5	-	-	-	-	-	-	-	-	-	-	-	-	34.4	34.4	-	-	-	-	

496,000 lb				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5																			
   	157.5 ft																																		
	SSL+LF_1																																		
	39.4 ft								78.7 ft								118.1 ft																		
	0 lb-716.6				0 lb-716.6				0 lb-716.6				0 lb-716.6				0 lb-716.6				0 lb-716.6				0 lb-716.6										
	0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb								
15°				20°				30°				15°				20°				30°				15°				20°				30°			
ft																1,000 lb																			
36.1	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
39.4	350.5	350.5	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
45.9	319.7	319.7	251.3	251.3	166.4	166.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
49.2	307.5	307.5	242.5	242.5	162.6	162.6	178.6	178.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
52.5	295.4	295.4	233.7	233.7	158.7	158.7	172.0	172.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
55.8	284.4	284.4	227.1	227.1	154.9	154.9	165.3	165.3	130.1	130.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
59.1	273.4	273.4	220.5	220.5	151.0	151.0	158.7	158.7	125.7	125.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
62.3	264.6	264.6	214.4	214.4	147.7	147.7	153.2	153.2	121.8	121.8	-	-	113.5	113.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
65.6	255.7	255.7	208.3	208.3	144.4	144.4	147.7	147.7	117.9	117.9	-	-	109.8	110.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
68.9	248.0	248.0	202.8	202.8	141.6	141.6	142.7	142.7	114.6	114.6	78.0	78.0	106.2	106.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
72.2	240.3	240.3	197.3	197.3	138.9	138.9	137.8	137.8	111.3	111.3	76.3	76.3	102.5	103.0	82.7	82.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
78.7	224.9	224.9	187.4	187.4	133.4	133.4	129.0	129.0	105.8	105.8	73.0	73.0	96.1	96.6	77.8	78.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
85.3	213.8	213.8	178.6	178.6	129.0	129.0	121.3	121.3	100.3	100.3	69.9	69.9	90.2	90.6	73.6	73.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
91.9	202.8	202.8	170.9	170.9	124.6	124.6	114.6	114.6	95.5	95.5	67.2	67.2	85.1	85.5	69.9	69.9	47.0	47.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
98.4	192.9	192.9	163.1	163.1	120.2	120.2	109.3	109.3	91.1	91.1	64.6	64.6	80.7	80.7	66.4	66.4	45.0	45.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
111.5	176.7	176.7	151.4	151.4	113.5	113.5	99.5	99.5	83.7	83.7	60.3	60.3	72.9	72.9	60.5	60.5	41.7	41.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
124.7	162.8	162.8	141.1	141.1	108.0	108.0	90.8	90.8	77.2	77.2	56.5	56.5	66.1	66.1	55.3	55.3	38.8	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
137.8	151.0	151.0	132.3	132.3	103.6	103.6	83.3	83.3	71.7	71.7	53.1	53.1	60.2	60.2	50.7	50.7	36.2	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
150.9	133.4	141.5	125.7	125.7	100.2	100.2	77.5	77.5	67.1	67.1	50.6	50.6	55.5	55.5	47.2	47.2	34.0	34.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
157.5	124.6	136.7	122.4	122.4	98.5	98.5	74.5	74.5	64.8	64.8	49.4	49.4	53.1	53.1	45.4	45.4	32.8	32.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
164.0	117.7	133.4	116.4	119.7	-	-	72.2	72.2	63.1	63.1	48.4	48.4	51.3	51.3	43.9	43.9	31.9	31.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
173.9	107.5	128.4	107.6	115.7	-	-	68.8	68.8	60.6	60.6	46.8	46.8	48.5	48.5	41.7	41.7	30.5	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
177.2	104.1	126.8	-	-	-	-	67.7	67.7	59.7	59.7	46.3	46.3	47.6	47.6	41.0	41.0	30.0	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
180.4	101.0	125.7	-	-	-	-	66.8	66.8	59.1	59.1	45.9	45.9	46.9	46.9	40.4	40.4	29.7	29.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
190.3	-	-	-	-	-	-	64.2	64.2	57.1	57.1	44.9	44.9	44.7	44.7	38.7	38.7	28.7	28.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
193.6	-	-	-	-	-	-	63.3	63.3	56.4	56.4	44.5	44.5	43.9	43.9	38.1	38.1	28.3	28.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
203.4	-	-	-	-	-	-	61.1	61.1	54.7	54.7	-	-	42.0	42.0	36.5	36.5	27.4	27.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
213.3	-	-	-	-	-	-	59.1	59.1	53.1	53.1	-	-	40.1	40.1	35.1	35.1	26.5	26.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
216.5	-	-	-	-	-	-	58.4	58.4	-	-	-	-	39.5	39.5	34.6	34.6	26.2	26.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
219.8	-	-	-	-	-	-	58.0	58.0	-	-	-	-	39.0	39.0	34.2	34.2	26.0	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
229.7	-	-	-	-	-	-	-	-	-	-	-	-	37.6	37.6	33.1	33.1	25.4	25.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
232.9	-	-	-	-	-	-	-	-	-	-	-	-	37.1	37.1	32.8	32.8	25.1	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
242.8	-	-	-	-	-	-	-	-	-	-	-	-	35.9	35.9	31.9	31.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
249.3	-	-	-	-	-	-	-	-	-	-	-	-	35.1	35.1	31.3	31.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
255.9	-	-	-	-	-	-	-	-	-	-	-	-	34.4	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb																											

496,000 lb				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5			
   	177.2 ft																
	SSL+LF_1																
	39.4 ft						78.7 ft						118.1 ft				
	0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	
15°		20°		30°		15°		20°		30°		15°		20°		30°	
ft																	
1,000 lb																	
39.4	359.4	359.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42.7	345.0	345.0	264.6	264.6	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	330.7	330.7	257.9	257.9	168.7	168.7	-	-	-	-	-	-	-	-	-	-	
52.5	306.4	306.4	240.3	240.3	160.9	160.9	175.3	175.3	-	-	-	-	-	-	-	-	
59.1	286.6	286.6	227.1	227.1	154.3	154.3	163.1	163.1	127.9	127.9	-	-	-	-	-	-	
65.6	266.8	266.8	216.1	216.1	147.7	147.7	152.1	152.1	120.2	120.2	-	-	111.3	111.3	-	-	
68.9	259.0	259.0	210.5	210.5	145.0	145.0	147.2	147.2	116.8	116.8	78.7	78.7	107.9	108.0	-	-	
72.2	251.3	251.3	205.0	205.0	142.2	142.2	142.2	142.2	113.5	113.5	76.9	76.9	104.5	104.7	-	-	
75.5	244.7	244.7	200.1	200.1	139.4	139.4	137.8	137.8	111.1	111.1	75.4	75.4	101.3	101.5	80.7	81.1	
78.7	238.1	238.1	195.1	195.1	136.7	136.7	133.4	133.4	108.7	108.7	73.9	73.9	98.1	98.3	78.7	78.9	
85.3	224.9	224.9	186.3	186.3	132.3	132.3	126.8	126.8	103.4	103.4	71.0	71.0	92.4	92.8	74.7	75.0	
91.9	213.8	213.8	178.6	178.6	127.9	127.9	120.2	120.2	98.5	98.5	68.3	68.3	87.3	87.7	71.0	71.2	
98.4	203.9	203.9	170.9	170.9	124.6	124.6	113.5	113.5	94.1	94.1	65.9	65.9	82.9	83.3	67.7	67.9	
111.5	187.0	187.0	159.1	159.1	117.9	117.9	103.8	103.8	86.8	86.8	61.8	61.8	75.5	75.7	62.1	62.2	
124.7	168.7	172.3	148.4	148.4	112.1	112.1	95.2	95.2	80.2	80.2	58.1	58.1	68.9	68.9	57.0	57.0	
137.8	148.8	159.8	138.9	138.9	106.9	106.9	87.5	87.5	74.5	74.5	54.7	54.7	62.8	62.8	52.5	52.5	
150.9	130.4	150.3	127.1	131.5	103.1	103.1	81.6	81.6	70.1	70.1	52.0	52.0	58.1	58.1	48.9	48.9	
164.0	114.3	141.8	114.5	125.3	99.9	99.9	76.3	76.3	66.1	66.1	49.7	49.7	53.9	53.9	45.7	45.7	
170.6	107.4	138.2	107.7	122.7	98.5	98.5	73.9	73.9	64.2	64.2	48.6	48.6	52.0	52.0	44.2	44.2	
177.2	100.5	134.5	101.0	120.2	-	-	71.4	71.4	62.4	62.4	47.6	47.6	50.0	50.0	42.8	42.8	
190.3	89.4	128.6	89.3	115.7	-	-	67.6	67.6	59.5	59.5	46.0	46.0	47.0	47.0	40.3	40.3	
196.9	83.8	125.7	-	-	-	-	65.7	65.7	58.0	58.0	45.2	45.2	45.4	45.4	39.0	39.0	
203.4	-	-	-	-	-	-	64.2	64.2	56.9	56.9	44.6	44.6	44.2	44.2	38.1	38.1	
210.0	-	-	-	-	-	-	62.8	62.8	55.8	55.8	44.1	44.1	42.9	42.9	37.1	37.1	
216.5	-	-	-	-	-	-	61.3	61.3	54.7	54.7	-	-	41.7	41.7	36.2	36.2	
229.7	-	-	-	-	-	-	58.9	58.9	53.1	53.1	-	-	39.5	39.5	34.5	34.5	
236.2	-	-	-	-	-	-	57.8	57.8	-	-	-	-	38.4	38.4	33.7	33.7	
242.8	-	-	-	-	-	-	-	-	-	-	-	-	37.6	37.6	33.1	33.1	
246.1	-	-	-	-	-	-	-	-	-	-	-	-	37.1	37.1	32.7	32.7	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	35.9	35.9	31.7	31.7	
265.7	-	-	-	-	-	-	-	-	-	-	-	-	34.9	34.9	31.1	31.1	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	34.6	34.6	-	-	
275.6	-	-	-	-	-	-	-	-	-	-	-	-	34.0	34.0	-	-	
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb									

0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			 39.4 ft x 39.4 ft						 32.2 ft/s			360°		ASME B30.5				
	196.9 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6			
	 0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb		
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
	1,000 lb																	
ft																		
39.4	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42.7	354.9	354.9	271.2	271.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
45.9	341.7	341.7	262.4	262.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
49.2	329.6	329.6	254.6	254.6	166.4	166.4	-	-	-	-	-	-	-	-	-	-	-	
52.5	317.5	317.5	246.9	246.9	162.0	162.0	178.6	178.6	-	-	-	-	-	-	-	-	-	
59.1	295.4	295.4	233.7	233.7	156.5	156.5	166.4	166.4	130.1	130.1	-	-	-	-	-	-	-	
65.6	277.8	277.8	220.5	220.5	149.9	149.9	155.4	155.4	122.4	122.4	-	-	111.3	112.4	-	-	-	
72.2	262.4	262.4	211.6	211.6	144.4	144.4	146.6	146.6	116.8	116.8	77.6	77.6	105.6	106.3	-	-	-	
75.5	254.6	254.6	206.7	206.7	142.2	142.2	142.2	142.2	113.5	113.5	76.1	76.1	102.6	103.2	81.4	81.6	-	
78.7	246.9	246.9	201.7	201.7	140.0	140.0	137.8	137.8	110.2	110.2	74.5	74.5	99.6	100.1	79.4	79.6	-	
85.3	235.9	235.9	192.9	192.9	135.6	135.6	131.2	131.2	105.8	105.8	71.9	71.9	94.1	94.6	75.6	75.8	-	
91.9	222.7	222.7	185.2	185.2	131.2	131.2	124.6	124.6	101.2	101.2	69.4	69.4	89.3	89.7	72.1	72.3	-	
95.1	218.3	218.3	181.3	181.3	129.0	129.0	121.3	121.3	99.1	99.1	68.2	68.2	87.1	87.5	70.4	70.7	46.3	
98.4	213.8	213.8	177.5	177.5	126.8	126.8	117.9	117.9	97.0	97.0	67.0	67.0	84.9	85.3	68.8	69.0	45.4	
111.5	190.3	196.9	165.7	165.7	120.2	120.2	108.2	108.2	89.7	89.7	62.9	62.9	77.8	78.0	63.5	63.6	42.5	
124.7	167.2	181.9	155.1	155.1	114.6	114.6	99.5	99.5	83.1	83.1	59.2	59.2	71.3	71.3	58.6	58.6	39.8	
137.8	144.4	168.7	145.5	145.5	110.0	110.0	91.7	91.7	77.4	77.4	56.0	56.0	65.3	65.3	54.2	54.2	37.3	
150.9	126.0	158.4	127.1	137.4	105.9	105.9	85.5	85.5	72.8	72.8	53.4	53.4	60.6	60.6	50.6	50.6	35.2	
164.0	109.9	149.2	110.8	130.4	101.7	102.4	80.0	80.0	68.6	68.6	51.0	51.0	56.2	56.2	47.3	47.3	33.3	
177.2	95.9	141.1	96.6	124.6	97.4	99.4	75.0	75.0	64.8	64.8	48.9	48.9	52.2	52.2	44.3	44.3	31.5	
183.7	90.4	137.8	91.0	122.4	91.3	98.1	73.0	73.0	63.3	63.3	48.1	48.1	50.7	50.7	43.1	43.1	30.9	
190.3	84.9	134.5	85.4	120.2	-	-	71.0	71.0	61.9	61.9	47.2	47.2	49.2	49.2	41.8	41.8	30.2	
203.4	74.8	129.0	75.0	116.5	-	-	67.4	67.4	59.2	59.2	45.7	45.7	46.3	46.3	39.5	39.5	29.0	
206.7	72.5	127.9	72.5	115.7	-	-	66.6	66.6	58.5	58.5	45.4	45.4	45.6	45.6	39.0	39.0	28.7	
216.5	65.7	124.6	-	-	-	-	64.2	64.2	56.7	56.7	44.5	44.5	43.7	43.7	37.5	37.5	27.8	
223.1	-	-	-	-	-	-	62.8	62.8	55.7	55.7	43.9	43.9	42.5	42.5	36.7	36.7	27.3	
229.7	-	-	-	-	-	-	61.5	61.5	54.7	54.7	-	-	41.4	41.4	35.9	35.9	26.7	
242.8	-	-	-	-	-	-	57.3	59.2	53.2	53.2	-	-	39.5	39.5	34.4	34.4	25.9	
246.1	-	-	-	-	-	-	55.8	58.7	52.9	52.9	-	-	39.0	39.0	34.1	34.1	25.7	
252.6	-	-	-	-	-	-	52.9	57.8	-	-	-	-	38.1	38.1	33.4	33.4	25.3	
255.9	-	-	-	-	-	-	-	-	-	-	-	-	37.7	37.7	33.1	33.1	25.1	
262.5	-	-	-	-	-	-	-	-	-	-	-	-	37.0	37.0	32.5	32.5	24.9	
269.0	-	-	-	-	-	-	-	-	-	-	-	-	36.2	36.2	31.9	31.9	-	
282.2	-	-	-	-	-	-	-	-	-	-	-	-	34.9	34.9	30.9	30.9	-	
292.0	-	-	-	-	-	-	-	-	-	-	-	-	34.0	34.0	-	-	-	
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb										

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5					
	216.5 ft																		
	SSL+LF_1																		
	39.4 ft						78.7 ft						118.1 ft						
	0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb						
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb			
	15°		20°		30°		15°		20°		30°		15°		20°		30°		
ft																			
1,000 lb																			
42.7	361.6	361.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45.9	348.3	348.3	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-		
52.5	326.3	326.3	251.3	251.3	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-		
55.8	316.4	316.4	244.7	244.7	160.9	160.9	175.3	175.3	-	-	-	-	-	-	-	-	-		
59.1	306.4	306.4	238.1	238.1	157.6	157.6	169.8	169.8	-	-	-	-	-	-	-	-	-		
62.3	296.5	296.5	232.6	232.6	154.9	154.9	164.8	164.8	127.9	127.9	-	-	-	-	-	-	-		
65.6	286.6	286.6	227.1	227.1	152.1	152.1	159.8	159.8	124.6	124.6	-	-	-	-	-	-	-		
68.9	278.9	278.9	222.1	222.1	149.9	149.9	154.9	154.9	121.3	121.3	-	-	109.6	110.2	-	-	-		
72.2	271.2	271.2	217.2	217.2	147.7	147.7	149.9	149.9	117.9	117.9	-	-	106.7	107.1	-	-	-		
75.5	264.6	264.6	212.2	212.2	145.0	145.0	146.1	146.1	115.2	115.2	76.7	76.7	103.8	104.3	-	-	-		
78.7	257.9	257.9	207.2	207.2	142.2	142.2	142.2	142.2	112.4	112.4	75.2	75.2	101.0	101.4	79.8	80.0	-		
85.3	244.7	244.7	199.5	199.5	137.8	137.8	134.5	134.5	108.2	108.2	72.8	72.8	95.7	96.1	76.1	76.5	-		
91.9	233.7	233.7	190.7	190.7	133.4	133.4	127.9	127.9	103.6	103.6	70.3	70.3	90.8	91.3	72.8	73.0	-		
98.4	222.7	222.7	184.1	184.1	130.1	130.1	122.4	122.4	99.4	99.4	67.9	67.9	86.4	86.9	69.7	69.9	45.6		
111.5	191.1	205.8	171.6	171.6	123.5	123.5	112.4	112.4	92.2	92.2	63.9	63.9	79.5	80.0	64.5	64.7	42.7		
124.7	163.1	190.7	156.9	160.6	117.6	117.6	103.4	103.4	85.8	85.8	60.4	60.4	73.3	73.6	59.9	60.0	40.1		
137.8	138.9	177.5	140.0	151.0	112.4	112.4	95.5	95.5	80.0	80.0	57.3	57.3	67.7	67.7	55.8	55.8	37.7		
150.9	122.7	166.4	123.8	142.9	108.5	108.5	89.1	89.1	75.3	75.3	54.7	54.7	62.8	62.8	52.1	52.1	35.6		
164.0	107.6	156.5	108.6	136.0	102.8	104.9	83.5	83.5	71.1	71.1	52.2	52.2	58.4	58.4	48.8	48.8	33.8		
177.2	93.5	147.7	94.4	130.1	95.5	101.6	78.5	78.5	67.2	67.2	50.0	50.0	54.5	54.5	45.9	45.9	32.2		
190.3	82.3	141.1	83.0	124.9	83.8	99.1	74.2	74.2	64.2	64.2	48.3	48.3	51.2	51.2	43.4	43.4	30.7		
200.1	74.5	136.5	75.1	121.4	75.6	97.4	71.2	71.2	61.9	61.9	47.1	47.1	48.9	48.9	41.6	41.6	29.7		
203.4	72.2	135.2	72.8	120.5	-	-	70.4	70.4	61.3	61.3	46.7	46.7	48.3	48.3	41.1	41.1	29.5		
216.5	63.3	130.1	63.7	116.8	-	-	67.0	67.0	58.6	58.6	45.4	45.4	45.6	45.6	39.0	39.0	28.4		
223.1	59.5	127.9	59.5	114.6	-	-	64.3	65.6	57.6	57.6	44.9	44.9	44.5	44.5	38.1	38.1	27.9		
229.7	55.7	125.7	-	-	-	-	61.6	64.2	56.6	56.6	44.4	44.4	43.3	43.3	37.3	37.3	27.4		
232.9	53.8	124.6	-	-	-	-	60.2	63.5	56.1	56.1	44.1	44.1	42.7	42.7	36.8	36.8	27.2		
236.2	-	-	-	-	-	-	58.9	62.8	55.6	55.6	43.9	43.9	42.1	42.1	36.4	36.4	26.9		
242.8	-	-	-	-	-	-	55.6	61.7	53.6	54.8	-	-	41.2	41.2	35.6	35.6	26.5		
255.9	-	-	-	-	-	-	49.2	59.5	49.6	53.4	-	-	39.2	39.2	34.2	34.2	25.6		
262.5	-	-	-	-	-	-	46.3	58.6	46.7	52.7	-	-	38.4	38.4	33.6	33.6	25.3		
269.0	-	-	-	-	-	-	43.4	57.8	-	-	-	-	37.6	37.6	33.0	33.0	25.0		
275.6	-	-	-	-	-	-	-	-	-	-	-	-	36.8	36.8	32.4	32.4	24.7		
282.2	-	-	-	-	-	-	-	-	-	-	-	-	36.2	36.2	32.0	32.0	-		
295.3	-	-	-	-	-	-	-	-	-	-	-	-	34.8	34.8	31.1	31.1	-		
298.6	-	-	-	-	-	-	-	-	-	-	-	-	34.5	34.6	30.9	30.9	-		
308.4	-	-	-	-	-	-	-	-	-	-	-	-	33.5	34.0	-	-	-		
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb											

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			 39.4 ft x 39.4 ft						 32.2 ft/s			360°		ASME B30.5				
	236.2 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb		0 lb- 716.6 klb			
	0 lb		0 lb		0 lb		0 lb		0 lb		0 lb		0 lb		0 lb			
	15°		20°		30°		15°		20°		30°		15°		20°			
ft		1,000 lb																
42.7	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45.9	357.1	357.1	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-		
52.5	332.9	332.9	255.7	255.7	165.3	165.3	-	-	-	-	-	-	-	-	-	-		
55.8	323.0	323.0	249.1	249.1	162.6	162.6	178.6	178.6	-	-	-	-	-	-	-	-		
59.1	313.1	313.1	242.5	242.5	159.8	159.8	173.1	173.1	-	-	-	-	-	-	-	-		
62.3	304.2	304.2	237.0	237.0	157.1	157.1	168.1	168.1	129.0	129.0	-	-	-	-	-	-		
65.6	295.4	295.4	231.5	231.5	154.3	154.3	163.1	163.1	125.7	125.7	-	-	-	-	-	-		
68.9	287.7	287.7	227.1	227.1	151.6	151.6	158.7	158.7	122.9	122.9	-	-	110.2	111.3	-	-		
72.2	280.0	280.0	222.7	222.7	148.8	148.8	154.3	154.3	120.2	120.2	-	-	107.6	108.2	-	-		
75.5	273.4	273.4	217.7	217.7	146.6	146.6	149.9	149.9	117.4	117.4	77.2	77.2	104.8	105.5	-	-		
78.7	266.8	266.8	212.7	212.7	144.4	144.4	145.5	145.5	114.6	114.6	75.8	75.8	102.1	102.7	80.2	80.5		
85.3	253.5	253.5	205.0	205.0	140.0	140.0	138.9	138.9	110.2	110.2	73.4	73.4	97.0	97.7	76.7	77.2		
91.9	242.5	242.5	196.2	196.2	136.7	136.7	132.3	132.3	105.8	105.8	71.0	71.0	92.4	92.8	73.6	73.9		
98.4	222.7	231.5	189.6	189.6	132.3	132.3	125.7	125.7	101.6	101.6	68.8	68.8	88.0	88.6	70.5	70.8		
111.5	188.9	213.8	177.1	177.1	125.7	125.7	115.4	115.4	94.6	94.6	65.0	65.0	81.1	81.7	65.4	65.8		
124.7	159.5	198.4	159.1	166.1	119.8	119.8	106.6	106.6	88.2	88.2	61.5	61.5	75.0	75.5	60.8	61.2		
137.8	134.5	185.2	135.6	156.5	114.6	114.6	99.2	99.2	82.5	82.5	58.4	58.4	69.7	69.9	56.9	57.1		
150.9	118.3	174.2	119.4	148.4	110.8	110.8	92.7	92.7	77.7	77.7	55.8	55.8	65.0	65.0	53.5	53.6		
164.0	103.2	164.2	104.2	141.1	103.0	107.2	86.9	86.9	73.5	73.5	53.4	53.4	60.6	60.6	50.3	50.3		
177.2	89.1	155.4	89.9	134.5	91.3	103.8	81.8	81.8	69.7	69.7	51.1	51.1	56.4	56.7	47.2	47.2		
190.3	77.9	148.1	78.6	129.3	79.7	101.0	77.4	77.4	66.4	66.4	49.4	49.4	53.2	53.3	44.7	44.7		
203.4	67.8	141.5	68.3	124.6	69.1	98.7	72.2	73.4	63.4	63.4	47.8	47.8	50.2	50.2	42.4	42.4		
213.3	60.9	137.1	61.4	121.3	61.9	97.2	67.8	70.8	61.3	61.3	46.7	46.7	48.1	48.1	40.9	40.9		
216.5	58.6	135.6	59.1	120.2	-	-	66.4	69.9	60.6	60.6	46.3	46.3	47.4	47.4	40.3	40.3		
229.7	51.1	130.4	51.6	117.2	-	-	58.6	66.8	57.4	58.4	45.1	45.1	45.0	45.0	38.4	38.4		
239.5	45.8	127.0	46.1	114.6	-	-	53.1	64.7	54.1	56.9	44.3	44.3	43.4	43.4	37.1	37.1		
242.8	44.2	126.2	-	-	-	-	51.4	64.1	52.4	56.4	44.1	44.1	42.8	42.8	36.7	36.7		
249.3	41.0	124.6	-	-	-	-	48.2	62.9	49.0	55.6	43.7	43.7	41.8	41.8	36.0	36.0		
252.6	-	-	-	-	-	-	46.6	62.3	47.3	55.1	43.4	43.4	41.3	41.3	35.6	35.6		
255.9	-	-	-	-	-	-	45.0	61.7	45.6	54.7	-	-	40.8	40.8	35.3	35.3		
269.0	-	-	-	-	-	-	39.4	59.7	39.9	53.4	-	-	39.2	39.2	34.0	34.0		
278.9	-	-	-	-	-	-	35.3	58.3	35.7	52.5	-	-	37.7	38.0	33.0	33.0		
282.2	-	-	-	-	-	-	34.1	58.0	-	-	-	-	37.0	37.6	32.8	32.8		
288.7	-	-	-	-	-	-	31.5	57.3	-	-	-	-	35.6	36.9	32.3	32.3		
295.3	-	-	-	-	-	-	-	-	-	-	-	-	34.2	36.2	31.7	31.7		
308.4	-	-	-	-	-	-	-	-	-	-	-	-	29.8	35.1	29.4	31.0		
315.0	-	-	-	-	-	-	-	-	-	-	-	-	27.6	34.6	28.2	30.6		
321.5	-	-	-	-	-	-	-	-	-	-	-	-	25.5	34.2	-	-		
324.8	-	-	-	-	-	-	-	-	-	-	-	-	24.5	34.0	-	-		



0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5				
   	255.9 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6			
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb		
15°		20°		30°		15°		20°		30°		15°		20°		30°		
ft																		
1,000 lb																		
45.9	363.8	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49.2	352.7	352.7	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	341.7	341.7	260.1	260.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
55.8	331.8	331.8	253.5	253.5	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	
59.1	321.9	321.9	246.9	246.9	160.9	160.9	176.4	176.4	-	-	-	-	-	-	-	-	-	
65.6	304.2	304.2	235.9	235.9	155.4	155.4	166.4	166.4	127.9	127.9	-	-	-	-	-	-	-	
72.2	288.8	288.8	227.1	227.1	151.0	151.0	157.6	157.6	122.4	122.4	-	-	108.0	108.7	-	-	-	
78.7	273.4	273.4	218.3	218.3	146.6	146.6	148.8	148.8	116.8	116.8	76.3	76.3	102.7	103.4	-	-	-	
82.0	267.9	267.9	213.8	213.8	144.4	144.4	145.5	145.5	114.6	114.6	75.1	75.1	100.3	101.0	78.7	78.9	-	
85.3	262.4	262.4	209.4	209.4	142.2	142.2	142.2	142.2	112.4	112.4	73.9	73.9	97.9	98.5	76.9	77.4	-	
91.9	244.7	249.1	201.7	201.7	138.9	138.9	135.6	135.6	107.8	107.8	71.7	71.7	93.5	93.9	73.9	74.3	-	
98.4	222.7	240.3	195.1	195.1	134.5	134.5	129.0	129.0	103.8	103.8	69.4	69.4	89.3	89.7	71.0	71.4	-	
101.7	213.8	235.9	191.3	192.0	133.0	133.0	126.6	126.6	102.1	102.1	68.5	68.5	87.6	88.0	69.8	70.2	45.0	
111.5	187.4	222.7	179.7	182.6	128.6	128.6	119.4	119.4	96.8	96.8	65.8	65.8	82.4	82.8	66.1	66.4	43.0	
124.7	157.6	206.5	159.5	171.2	122.7	122.7	110.6	110.6	90.4	90.4	62.4	62.4	76.4	76.7	61.8	62.0	40.6	
137.8	133.4	191.8	134.5	160.9	116.8	116.8	102.5	102.5	84.7	84.7	59.3	59.3	71.2	71.4	58.0	58.2	38.4	
150.9	115.2	180.8	116.3	152.9	111.6	113.2	96.0	96.0	80.0	80.0	56.7	56.7	66.5	66.9	54.6	54.8	36.4	
164.0	99.8	170.5	100.8	145.5	102.5	109.6	90.2	90.2	75.6	75.6	54.2	54.2	62.2	62.6	51.4	51.6	34.7	
177.2	87.3	160.9	88.2	138.9	89.7	106.0	84.9	84.9	71.7	71.7	52.0	52.0	58.2	58.6	48.5	48.5	33.1	
190.3	76.0	153.6	76.9	133.7	78.1	103.1	80.5	80.5	68.4	68.4	50.3	50.3	54.8	55.1	46.0	46.0	31.7	
203.4	65.8	147.0	66.6	128.6	67.6	100.5	73.7	76.4	65.4	65.4	48.6	48.6	51.7	52.0	43.7	43.7	30.5	
216.5	56.9	141.1	57.3	123.5	58.2	98.3	64.6	72.5	62.6	62.6	47.2	47.2	48.9	49.2	41.4	41.4	29.3	
226.4	51.3	136.7	51.7	121.3	52.2	97.0	58.8	70.2	58.3	60.8	46.2	46.2	47.3	47.4	40.1	40.1	28.5	
229.7	49.4	135.2	49.8	120.5	-	-	56.8	69.4	56.9	60.3	45.9	45.9	46.7	46.8	39.7	39.7	28.3	
242.8	42.5	130.4	42.9	117.6	-	-	49.7	66.6	50.7	58.1	44.8	44.8	44.6	44.6	38.0	38.0	27.4	
255.9	36.2	126.8	36.6	114.6	-	-	43.2	63.9	44.1	56.2	43.9	43.9	42.5	42.5	36.4	36.4	26.7	
265.7	32.2	124.6	-	-	-	-	38.9	62.3	39.8	55.1	40.8	43.2	41.2	41.2	35.4	35.4	26.1	
269.0	-	-	-	-	-	-	37.5	61.7	38.4	54.7	-	-	40.8	40.8	35.1	35.1	25.9	
282.2	-	-	-	-	-	-	32.3	59.8	32.9	53.4	-	-	37.4	39.1	33.9	33.9	25.3	
295.3	-	-	-	-	-	-	27.6	58.2	26.9	52.2	-	-	32.4	37.5	32.8	32.8	24.7	
305.1	-	-	-	-	-	-	24.3	57.1	-	-	-	-	29.1	36.6	29.8	32.1	24.5	
308.4	-	-	-	-	-	-	-	-	-	-	-	-	28.0	36.3	28.7	31.8	-	
321.5	-	-	-	-	-	-	-	-	-	-	-	-	23.8	35.2	24.6	31.0	-	
331.4	-	-	-	-	-	-	-	-	-	-	-	-	20.8	34.4	21.6	30.6	-	
334.6	-	-	-	-	-	-	-	-	-	-	-	-	19.8	34.2	-	-	-	
341.2	-	-	-	-	-	-	-	-	-	-	-	-	18.1	33.7	-	-	-	

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb				 39.4 ft x 39.4 ft						 32.2 ft/s				360°		ASME B30.5		
   	275.6 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6		0 lb-716.6			
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb		
15°		20°		30°		15°		20°		30°		15°		20°		30°		
1,000 lb																		
45.9	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49.2	358.3	358.3	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	348.3	348.3	262.4	262.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
55.8	338.4	338.4	256.8	256.8	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	
59.1	328.5	328.5	251.3	251.3	162.0	162.0	178.6	178.6	-	-	-	-	-	-	-	-	-	
65.6	310.9	310.9	240.3	240.3	157.6	157.6	168.7	168.7	129.0	129.0	-	-	-	-	-	-	-	
72.2	295.4	295.4	231.5	231.5	152.1	152.1	159.8	159.8	123.5	123.5	-	-	108.9	109.3	-	-	-	
78.7	282.2	282.2	222.7	222.7	147.7	147.7	152.1	152.1	117.9	117.9	76.7	76.7	103.6	104.3	-	-	-	
85.3	266.8	269.0	213.8	213.8	144.4	144.4	145.5	145.5	113.5	113.5	74.3	74.3	99.0	99.6	77.4	77.8	-	
91.9	240.3	257.9	206.1	206.1	140.0	140.0	138.9	138.9	109.8	109.8	72.3	72.3	94.6	95.2	74.5	74.7	-	
98.4	218.3	246.9	199.5	199.5	136.7	136.7	132.3	132.3	105.8	105.8	70.1	70.1	90.6	91.1	71.7	72.1	-	
101.7	209.4	242.5	194.2	196.4	135.2	135.2	129.9	129.9	104.1	104.1	69.2	69.2	88.9	89.4	70.4	70.9	45.0	
111.5	183.0	229.3	178.2	187.0	130.8	130.8	122.7	122.7	98.8	98.8	66.6	66.6	83.7	84.3	66.8	67.2	43.1	
124.7	153.2	213.5	155.1	176.0	124.9	124.9	113.9	113.9	92.4	92.4	63.3	63.3	77.7	78.3	62.5	62.9	40.8	
137.8	129.0	199.5	130.1	166.4	119.0	119.0	105.8	105.8	86.6	86.6	60.2	60.2	72.5	73.2	58.6	59.1	38.6	
150.9	110.7	187.8	111.8	158.4	109.6	115.4	99.2	99.2	81.9	81.9	57.5	57.5	68.1	68.6	55.4	55.7	36.8	
164.0	95.4	177.1	96.4	150.6	97.7	111.7	93.2	93.2	77.7	77.7	55.2	55.2	63.9	64.4	52.4	52.6	35.1	
177.2	82.9	167.6	83.8	143.3	83.3	108.0	87.7	87.7	73.9	73.9	53.1	53.1	60.0	60.4	49.6	49.8	33.5	
190.3	71.6	159.5	72.5	137.4	73.2	104.9	77.7	83.2	70.5	70.5	51.2	51.2	56.6	56.9	47.1	47.3	32.2	
203.4	61.4	152.1	62.2	132.3	63.4	102.2	68.7	79.0	66.6	67.4	49.5	49.5	53.4	53.6	44.8	45.0	30.9	
216.5	52.2	145.5	52.9	127.9	54.0	99.9	60.6	75.2	62.2	64.6	47.8	47.8	50.5	50.7	42.5	42.8	29.8	
229.7	44.8	140.4	45.3	124.2	46.2	98.1	52.8	71.9	54.1	62.1	46.7	46.7	48.1	48.4	40.8	40.9	28.7	
242.8	37.8	135.6	38.3	120.5	36.4	96.3	45.6	69.0	46.7	59.9	44.6	45.6	46.0	46.2	39.1	39.1	27.9	
255.9	31.5	131.2	32.0	116.8	-	-	39.0	66.4	39.9	58.0	41.7	44.5	44.1	44.1	37.5	37.5	27.1	
269.0	26.2	127.5	26.5	115.1	-	-	33.3	64.0	34.2	56.2	35.6	43.7	38.7	42.2	36.2	36.2	26.4	
272.3	24.9	126.6	25.1	114.6	-	-	31.9	63.4	32.7	55.8	34.1	43.4	37.3	41.7	35.8	35.8	26.2	
278.9	22.4	125.1	-	-	-	-	29.2	62.4	30.1	55.0	31.3	43.2	34.7	40.9	34.5	35.2	25.9	
282.2	21.2	124.6	-	-	-	-	28.0	61.9	28.8	54.7	-	-	33.4	40.5	33.6	34.9	25.7	
295.3	-	-	-	-	-	-	23.1	60.0	23.8	53.4	-	-	28.4	39.0	29.8	33.7	25.1	
308.4	-	-	-	-	-	-	19.0	58.3	19.4	52.3	-	-	24.0	37.6	25.2	32.7	24.7	
311.7	-	-	-	-	-	-	18.0	57.9	16.5	52.0	-	-	22.9	37.2	24.1	32.4	24.6	
318.2	-	-	-	-	-	-	16.0	57.3	-	-	-	-	20.9	36.6	21.9	32.0	24.3	
321.5	-	-	-	-	-	-	15.0	57.1	-	-	-	-	19.9	36.3	20.9	31.8	-	
334.6	-	-	-	-	-	-	-	-	-	-	-	-	16.1	35.3	16.8	31.1	-	
347.8	-	-	-	-	-	-	-	-	-	-	-	-	12.6	34.4	13.2	30.4	-	
357.6	-	-	-	-	-	-	-	-	-	-	-	-	9.9	33.7	-	-	-	

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			 39.4 ft x 39.4 ft						 32.2 ft/s			360°		ASME B30.5				
	295.3 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb			
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb		
	15°		20°		30°		15°		20°		30°		15°		20°		30°	
ft																		
1,000 lb																		
49.2	363.8	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	352.7	352.7	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	335.1	335.1	255.7	255.7	163.1	163.1	-	-	-	-	-	-	-	-	-	-	-	
62.3	326.3	326.3	250.2	250.2	160.9	160.9	176.4	176.4	-	-	-	-	-	-	-	-	-	
65.6	317.5	317.5	244.7	244.7	158.7	158.7	172.0	172.0	-	-	-	-	-	-	-	-	-	
68.9	309.7	309.7	240.3	240.3	156.5	156.5	167.6	167.6	127.9	127.9	-	-	-	-	-	-	-	
72.2	302.0	302.0	235.9	235.9	154.3	154.3	163.1	163.1	124.6	124.6	-	-	-	-	-	-	-	
75.5	295.4	295.4	231.5	231.5	152.1	152.1	159.3	159.3	122.4	122.4	-	-	106.7	107.6	-	-	-	
78.7	288.8	288.8	227.1	227.1	149.9	149.9	155.4	155.4	120.2	120.2	-	-	104.3	105.2	-	-	-	
82.0	276.7	282.2	222.7	222.7	147.7	147.7	151.6	151.6	117.9	117.9	75.8	75.8	102.1	102.8	-	-	-	
85.3	264.6	275.6	218.3	218.3	145.5	145.5	147.7	147.7	115.7	115.7	74.7	74.7	99.9	100.5	77.6	78.0	-	
91.9	238.1	264.6	210.5	210.5	142.2	142.2	142.2	142.2	111.3	111.3	72.8	72.8	95.7	96.3	75.0	75.2	-	
98.4	215.0	253.5	203.9	203.9	138.9	138.9	135.6	135.6	107.6	107.6	70.8	70.8	91.7	92.4	72.3	72.5	-	
105.0	197.3	244.7	190.7	197.7	135.6	135.6	130.4	130.4	104.1	104.1	69.0	69.0	88.3	89.0	70.0	70.2	44.3	
111.5	179.7	235.9	177.5	191.4	132.3	132.3	125.3	125.3	100.7	100.7	67.2	67.2	85.0	85.6	67.6	67.8	43.1	
124.7	149.5	220.1	151.8	180.4	126.4	126.4	116.4	116.4	94.4	94.4	63.9	63.9	79.0	79.7	63.3	63.6	40.9	
137.8	124.6	206.1	126.8	170.9	121.3	121.3	108.9	108.9	88.6	88.6	60.8	60.8	73.9	74.5	59.5	59.7	38.8	
150.9	106.6	194.4	108.2	162.8	107.9	116.8	102.3	102.3	83.9	83.9	58.3	58.3	69.6	70.1	56.4	56.7	37.0	
164.0	90.7	183.7	91.9	155.1	94.0	113.1	94.8	96.2	79.6	79.6	56.0	56.0	65.6	65.9	53.4	53.7	35.4	
177.2	76.7	174.2	77.8	147.7	79.6	110.0	86.4	90.6	75.6	75.6	53.8	53.8	61.7	61.9	50.5	50.9	34.0	
190.3	66.9	166.1	67.8	141.8	69.4	106.9	75.0	86.1	72.2	72.2	52.0	52.0	58.2	58.6	48.1	48.3	32.5	
203.4	57.4	158.4	58.2	136.3	59.7	104.1	65.2	81.8	66.6	69.2	50.3	50.3	55.0	55.4	45.9	45.9	31.2	
216.5	48.3	151.0	48.9	131.2	50.3	101.4	57.1	77.8	58.6	66.4	48.7	48.7	52.0	52.5	43.7	43.9	30.0	
229.7	40.6	145.1	41.3	127.5	42.5	99.4	49.2	74.4	50.7	63.9	47.4	47.4	49.5	50.0	41.7	42.0	29.1	
242.8	33.7	140.0	34.3	123.8	35.3	97.6	41.9	71.4	43.4	61.6	43.9	46.2	45.9	47.7	40.1	40.2	28.2	
255.9	27.6	135.6	28.0	120.2	28.7	96.1	35.3	68.6	36.6	59.5	38.4	45.2	41.2	45.6	38.6	38.6	27.3	
269.0	22.1	131.2	22.6	117.2	-	-	29.7	66.1	30.7	57.8	32.3	44.3	35.5	43.7	35.6	37.1	26.6	
282.2	17.1	127.5	17.5	114.6	-	-	24.5	63.8	25.3	56.1	26.7	43.5	30.1	42.0	31.6	35.8	26.0	
288.7	14.8	126.0	15.2	113.5	-	-	22.0	62.8	22.8	55.4	24.0	43.2	27.5	41.2	29.0	35.2	25.8	
295.3	12.6	124.6	-	-	-	-	19.6	61.7	20.3	54.7	17.6	42.8	24.9	40.3	26.5	34.6	25.6	
298.6	11.7	123.5	-	-	-	-	18.6	61.3	19.2	54.4	-	-	23.8	40.0	25.3	34.4	25.4	
308.4	-	-	-	-	-	-	15.4	60.1	16.0	53.5	-	-	20.5	38.9	21.9	33.6	25.0	
321.5	-	-	-	-	-	-	11.3	58.6	11.8	52.5	-	-	16.4	37.6	17.6	32.6	24.5	
328.1	-	-	-	-	-	-	9.3	57.9	8.2	52.0	-	-	14.5	37.0	15.7	32.2	24.3	
331.4	-	-	-	-	-	-	8.4	57.5	-	-	-	-	13.5	36.7	14.7	32.0	24.3	
334.6	-	-	-	-	-	-	-	57.1	-	-	-	-	12.6	36.4	13.7	31.7	-	
337.9	-	-	-	-	-	-	-	56.9	-	-	-	-	11.7	36.2	12.8	31.6	-	
347.8	-	-	-	-	-	-	-	-	-	-	-	-	9.0	35.4	10.0	31.1	-	
351.1	-	-	-	-	-	-	-	-	-	-	-	-	8.2	35.1	9.1	30.9	-	
354.3	-	-	-	-	-	-	-	-	-	-	-	-	-	34.8	8.2	30.6	-	
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	34.5	-	30.4	-	
364.2	-	-	-	-	-	-	-	-	-	-	-	-	-	34.3	-	30.2	-	
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	33.7	-	-	-	
377.3	-	-	-	-	-	-	-	-	-	-	-	-	-	33.5	-	-	-	
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb										

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			 39.4 ft x 39.4 ft						 32.2 ft/s			360°		ASME B30.5				
   	315.0 ft																	
	SSL+LF_1																	
	39.4 ft						78.7 ft						118.1 ft					
	0lb-716.6		0lb-716.6		0lb-716.6		0lb-716.6		0lb-716.6		0lb-716.6		0lb-716.6		0lb-716.6			
	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb	0 lb	klb		
 	15°		20°		30°		15°		20°		30°		15°		20°		30°	
1,000 lb																		
49.2	368.2	368.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52.5	359.4	359.4	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	341.7	341.7	257.9	257.9	164.2	164.2	-	-	-	-	-	-	-	-	-	-	-	
62.3	332.9	332.9	252.4	252.4	162.0	162.0	178.6	178.6	-	-	-	-	-	-	-	-	-	
65.6	324.1	324.1	246.9	246.9	159.8	159.8	174.2	174.2	-	-	-	-	-	-	-	-	-	
68.9	316.4	316.4	242.5	242.5	157.6	157.6	169.8	169.8	129.0	129.0	-	-	-	-	-	-	-	
72.2	308.6	308.6	238.1	238.1	155.4	155.4	165.3	165.3	125.7	125.7	-	-	-	-	-	-	-	
75.5	300.9	302.0	233.7	233.7	153.2	153.2	161.5	161.5	123.5	123.5	-	-	107.4	108.0	-	-	-	
78.7	293.2	295.4	229.3	229.3	151.0	151.0	157.6	157.6	121.3	121.3	-	-	104.9	105.8	-	-	-	
82.0	276.7	288.8	226.0	226.0	149.4	149.4	154.3	154.3	119.0	119.0	76.3	76.3	102.8	103.6	-	-	-	
85.3	260.1	282.2	222.7	222.7	147.7	147.7	151.0	151.0	116.8	116.8	75.2	75.2	100.8	101.4	-	-	-	
88.6	246.9	276.7	218.8	218.8	145.5	145.5	147.7	147.7	114.6	114.6	74.2	74.2	98.7	99.3	76.5	76.9	-	
91.9	233.7	271.2	215.0	215.0	143.3	143.3	144.4	144.4	112.4	112.4	73.2	73.2	96.6	97.2	75.2	75.6	-	
98.4	210.5	260.1	208.3	208.3	140.0	140.0	138.9	138.9	109.1	109.1	71.2	71.2	92.8	93.5	72.8	73.2	-	
105.0	192.9	251.3	192.2	202.1	137.1	137.1	133.7	133.7	105.7	105.7	69.5	69.5	89.5	90.2	70.5	70.8	44.3	
111.5	175.3	242.5	176.0	195.8	134.1	134.1	128.6	128.6	102.4	102.4	67.8	67.8	86.2	86.9	68.2	68.5	43.1	
124.7	145.1	226.7	147.3	184.8	128.6	128.6	119.4	119.4	96.2	96.2	64.7	64.7	80.3	81.0	64.0	64.3	40.9	
137.8	120.2	212.7	122.4	175.3	123.5	123.5	111.3	111.3	90.6	90.6	61.7	61.7	75.2	75.8	60.2	60.6	39.0	
150.9	102.2	201.0	104.0	166.4	105.8	119.0	104.9	104.9	85.9	85.9	59.2	59.2	70.9	71.6	57.1	57.5	37.3	
164.0	86.2	190.0	87.7	158.7	89.8	115.0	95.2	98.9	81.6	81.6	56.9	56.9	66.9	67.5	54.2	54.6	35.6	
177.2	72.1	179.7	73.4	152.1	75.4	111.3	82.5	93.5	77.6	77.6	54.7	54.7	63.3	63.5	51.6	51.8	34.2	
190.3	62.2	171.6	63.4	146.2	63.8	108.5	70.8	88.8	70.7	74.1	52.8	52.8	59.9	60.1	49.1	49.3	32.8	
203.4	52.8	163.9	53.8	140.7	53.9	105.8	60.4	84.4	62.5	70.9	51.1	51.1	56.7	57.0	46.7	47.0	31.6	
216.5	43.7	156.5	44.5	135.6	45.9	103.2	51.1	80.2	52.9	68.1	49.6	49.6	53.6	54.0	44.5	44.8	30.4	
229.7	36.0	150.6	36.7	131.2	37.9	101.0	44.4	76.9	46.0	65.5	46.7	48.1	48.6	51.4	42.8	43.0	29.4	
242.8	29.0	145.1	29.7	127.1	30.7	99.0	37.7	73.7	39.2	63.1	41.7	46.8	43.2	49.0	41.1	41.3	28.5	
255.9	22.7	140.0	23.4	123.5	24.3	97.2	31.1	70.8	32.4	61.1	34.6	45.6	37.5	47.0	39.5	39.7	27.8	
269.0	17.4	135.6	17.9	120.5	18.5	96.0	25.4	68.3	26.5	59.2	28.6	44.8	31.6	45.0	33.4	38.2	27.0	
272.3	16.1	134.5	16.6	119.8	13.9	95.7	23.9	67.6	25.1	58.7	27.1	44.5	30.1	44.6	31.9	37.8	26.9	
282.2	12.5	131.7	12.9	117.7	-	-	20.1	65.9	21.1	57.4	22.9	43.9	26.1	43.3	27.9	36.8	26.2	
295.3	7.9	127.9	8.2	114.6	-	-	15.2	63.7	16.1	55.8	17.6	43.2	20.9	41.7	22.7	35.5	25.4	
305.1	-	125.7	-	113.5	-	-	12.0	62.3	12.9	54.9	14.2	42.7	17.6	40.6	19.3	34.7	21.7	
308.4	-	124.9	-	-	-	-	10.9	61.8	11.8	54.5	13.0	42.5	16.5	40.2	18.2	34.5	20.5	
318.2	-	123.5	-	-	-	-	7.9	60.5	8.6	53.6	-	-	13.4	39.1	14.8	33.7	17.0	
321.5	-	-	-	-	-	-	-	60.1	-	53.3	-	-	12.4	38.8	13.8	33.4	15.9	
334.6	-	-	-	-	-	-	-	58.6	-	52.2	-	-	8.6	37.5	9.7	32.4	11.5	
341.2	-	-	-	-	-	-	-	58.1	-	52.0	-	-	-	36.9	7.9	32.0	9.6	
344.5	-	-	-	-	-	-	-	57.8	-	51.8	-	-	-	36.6	-	31.9	8.6	
347.8	-	-	-	-	-	-	-	57.5	-	-	-	-	-	36.3	-	31.7	-	
354.3	-	-	-	-	-	-	-	56.9	-	-	-	-	-	35.7	-	31.3	-	
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	-	31.0	-	
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	34.4	-	30.4	-	
380.6	-	-	-	-	-	-	-	-	-	-	-	-	-	34.1	-	30.2	-	
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8	-	-	-	
393.7	-	-	-	-	-	-	-	-	-	-	-	-	-	33.5	-	-	-	

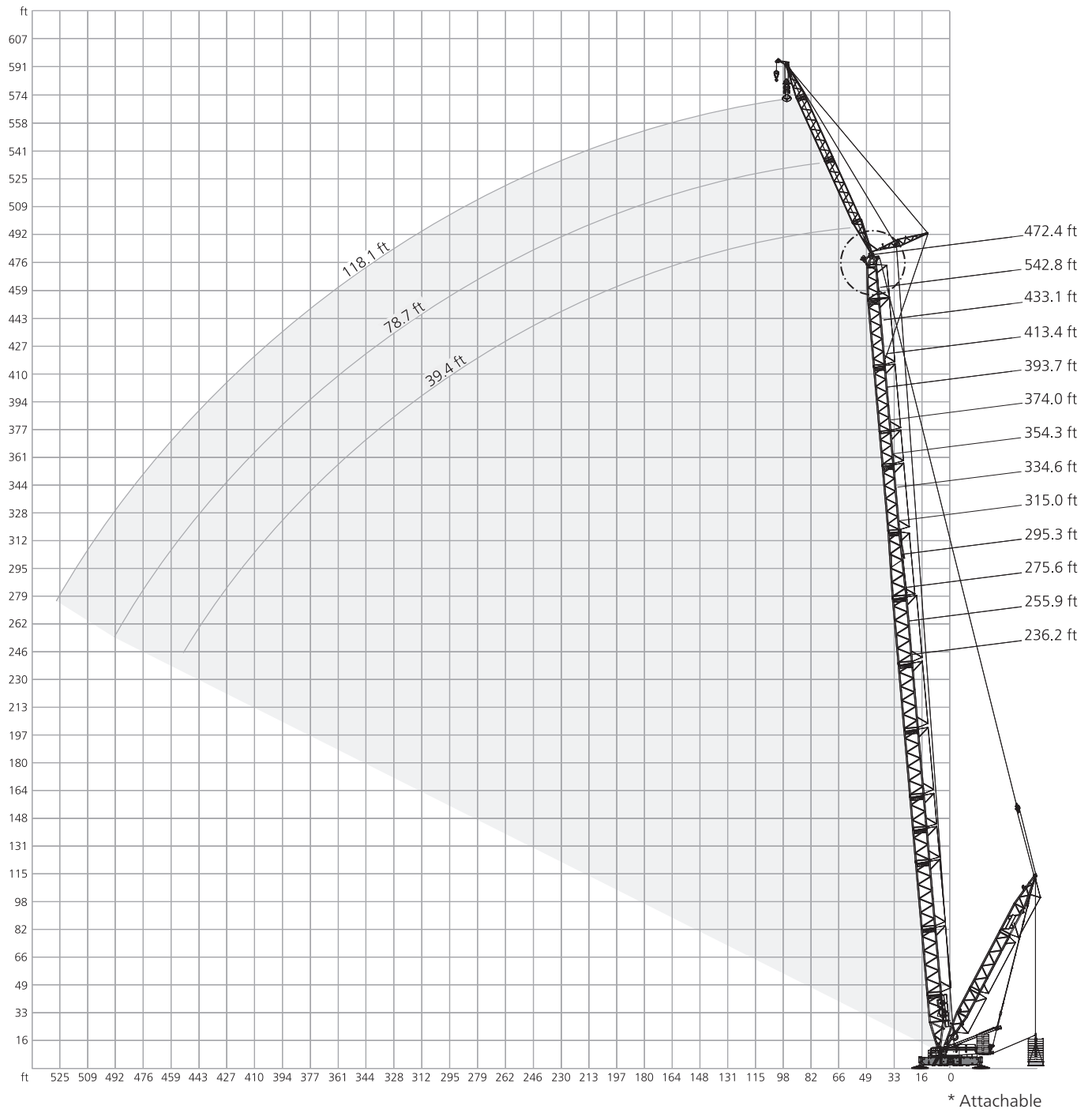
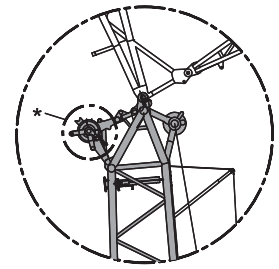
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			39.4 ft x 39.4 ft					32.2 ft/s			360°		ASME B30.5		
334.6 ft															
SSL+LF_1															
39.4 ft					78.7 ft					118.1 ft					
0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb	
0 lb		0 lb		0 lb		0 lb		0 lb		0 lb		0 lb		0 lb	
15°		20°		30°		15°		20°		30°		15°		30°	
1,000 lb															
52.5	359.4	363.8	-	-	-	-	-	-	-	-	-	-	-	-	-
55.8	352.7	354.9	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-
59.1	346.1	346.1	260.1	260.1	-	-	-	-	-	-	-	-	-	-	-
62.3	338.4	338.4	255.7	255.7	162.0	162.0	-	-	-	-	-	-	-	-	-
65.6	330.7	330.7	251.3	251.3	159.8	159.8	175.3	176.4	-	-	-	-	-	-	-
72.2	315.3	315.3	242.5	242.5	156.5	156.5	167.6	167.6	126.8	126.8	-	-	-	-	-
78.7	288.8	302.0	233.7	233.7	152.1	152.1	159.8	159.8	122.4	122.4	-	-	105.6	106.5	-
85.3	257.9	288.8	224.9	224.9	148.8	148.8	153.2	153.2	117.9	117.9	75.4	75.4	101.4	102.1	-
88.6	243.6	283.3	221.6	221.6	147.2	147.2	149.9	149.9	115.7	115.7	74.4	74.4	99.4	100.2	76.9
91.9	229.3	277.8	218.3	218.3	145.5	145.5	146.6	146.6	113.5	113.5	73.4	73.4	97.4	98.3	75.6
98.4	207.2	266.8	209.4	211.6	142.2	142.2	141.1	141.1	110.2	110.2	71.7	71.7	93.7	94.6	73.2
108.3	180.8	253.5	183.0	202.8	137.2	137.2	133.9	133.9	105.4	105.4	69.1	69.1	88.8	89.6	69.9
111.5	172.0	249.1	174.2	199.9	135.6	135.6	131.5	131.5	103.8	103.8	68.3	68.3	87.2	88.0	68.8
124.7	141.8	233.0	143.7	188.9	128.6	130.1	122.4	122.4	97.7	97.7	65.2	65.2	81.4	82.1	64.7
137.8	116.8	218.3	117.9	178.6	121.3	125.7	113.5	113.5	92.2	92.2	62.4	62.4	76.3	76.9	60.8
150.9	98.5	206.5	99.9	170.5	102.7	121.3	105.0	107.5	87.5	87.5	59.9	59.9	72.2	72.8	57.9
164.0	82.2	195.5	83.7	162.8	86.2	117.2	93.5	101.6	83.1	83.1	57.5	57.5	68.3	68.9	55.1
177.2	68.1	185.2	69.4	155.4	71.7	113.5	78.9	95.9	79.1	79.1	55.3	55.3	64.6	65.0	52.5
190.3	57.0	177.1	58.1	149.5	60.0	110.3	67.3	91.2	68.9	75.8	53.6	53.6	61.2	61.7	50.0
203.4	47.4	169.4	48.5	144.0	50.1	107.4	56.8	86.8	58.9	72.6	51.9	51.9	57.9	58.5	47.7
216.5	39.5	162.0	40.6	138.9	41.9	104.7	47.4	82.7	49.4	69.7	50.3	50.3	54.7	55.6	45.6
229.7	32.0	155.4	32.8	134.5	34.1	102.4	40.6	79.1	42.5	67.0	43.5	48.8	46.6	52.9	43.7
242.8	25.0	149.5	25.6	130.1	26.9	100.2	34.0	75.9	35.6	64.6	37.2	47.5	39.2	50.5	40.1
255.9	18.5	144.4	19.2	125.7	20.3	98.3	27.3	73.0	28.9	62.4	31.3	46.3	32.4	48.3	34.6
269.0	13.2	140.0	13.7	122.7	14.7	96.9	21.6	70.3	23.0	60.5	25.1	45.4	27.6	46.4	29.6
282.2	8.2	135.6	8.6	120.2	9.4	95.7	16.3	67.9	17.6	58.7	19.4	44.5	22.6	44.5	24.5
285.4	-	134.5	-	119.3	8.2	95.2	15.1	67.3	16.3	58.3	18.1	44.3	21.3	44.1	23.1
295.3	-	131.2	-	116.8	-	-	11.5	65.5	12.6	57.1	14.1	43.7	17.4	42.8	19.2
305.1	-	129.0	-	115.2	-	-	8.2	64.2	9.1	56.1	10.7	43.2	14.1	41.7	15.8
308.4	-	128.2	-	114.6	-	-	-	63.6	7.9	55.8	9.5	43.1	13.0	41.4	14.6
311.7	-	127.5	-	114.1	-	-	-	63.1	-	55.4	8.4	42.9	11.9	41.0	13.5
321.5	-	122.0	-	113.5	-	-	-	61.8	-	54.5	-	42.5	8.7	39.9	10.3
324.8	-	119.6	-	82.2	-	-	-	61.4	-	54.2	-	-	7.7	39.6	9.2
328.1	-	117.2	-	-	-	-	-	61.0	-	53.9	-	-	-	39.2	8.2
334.6	-	112.4	-	-	-	-	-	60.2	-	53.4	-	-	-	38.6	-
347.8	-	-	-	-	-	-	-	58.7	-	52.5	-	-	-	37.4	-
360.9	-	-	-	-	-	-	-	57.5	-	51.6	-	-	-	36.3	-
370.7	-	-	-	-	-	-	-	56.7	-	-	-	-	-	35.5	-
374.0	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	-
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	34.6	-
397.0	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	-
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8	-
410.1	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3	-

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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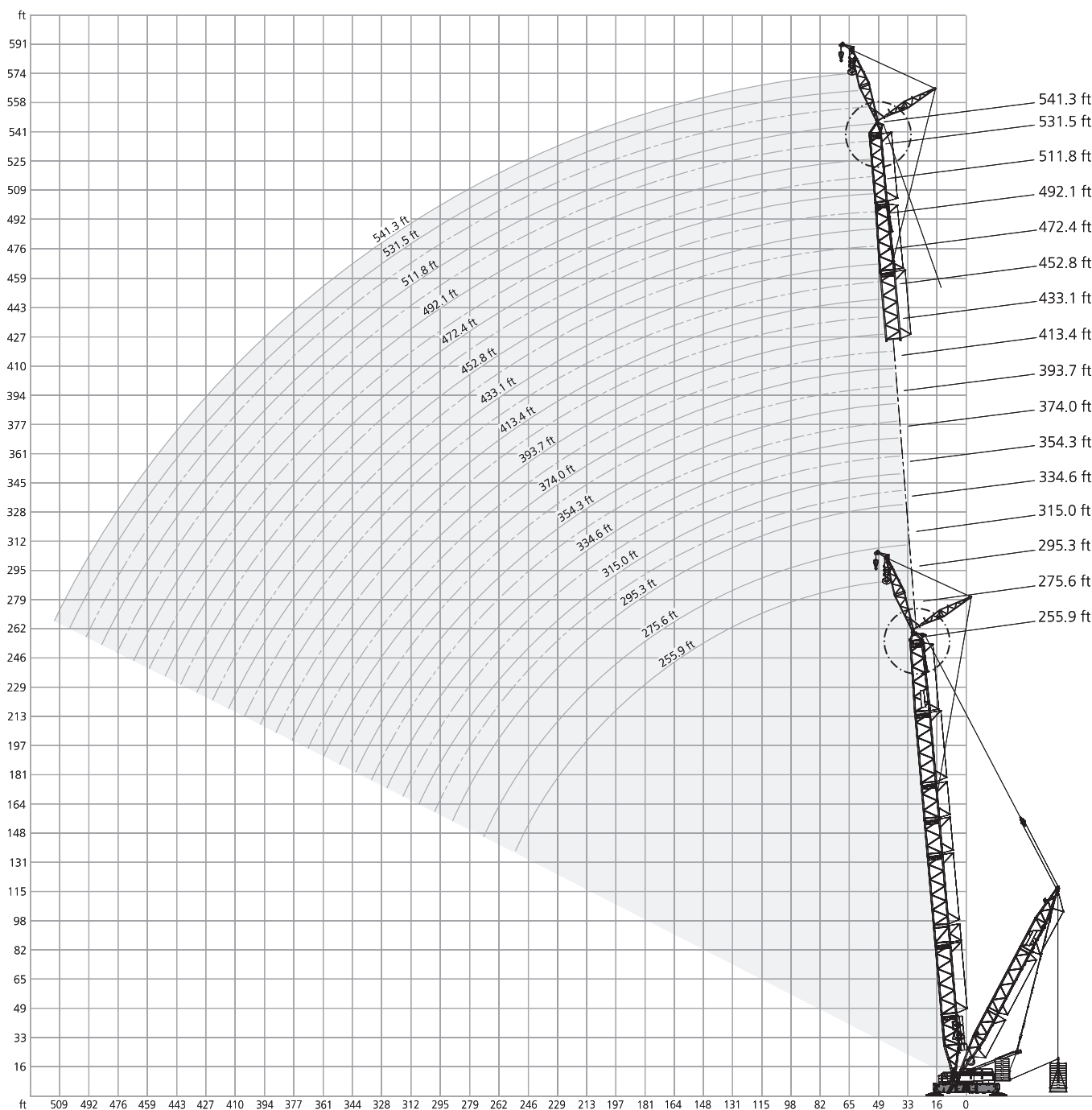
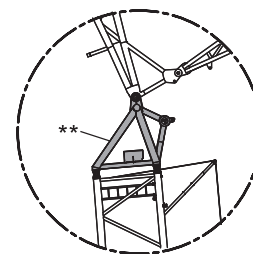
496,000 lb			 39.4 ft x 39.4 ft								 32.2 ft/s				360°		ASME B30.5		
   	354.3 ft																		
	SSL+LF_1																		
	39.4 ft						78.7 ft						118.1 ft						
	0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb		0 lb-716.6 klb				
0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb		0 lb		klb	
15°		20°		30°		15°		20°		30°		15°		20°		30°			
1,000 lb																			
52.5	335.1	346.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
55.8	335.1	345.0	269.0	269.0	-	-	-	-	-	-	-	-	-	-	-	-	-		
59.1	335.1	343.9	262.4	262.4	-	-	-	-	-	-	-	-	-	-	-	-	-		
62.3	334.0	339.5	257.9	257.9	163.1	163.1	-	-	-	-	-	-	-	-	-	-	-		
65.6	332.9	335.1	253.5	253.5	160.9	160.9	177.5	177.5	-	-	-	-	-	-	-	-	-		
72.2	315.3	319.7	244.7	244.7	157.6	157.6	169.8	169.8	127.9	127.9	-	-	-	-	-	-	-		
78.7	284.4	306.4	235.9	235.9	153.2	153.2	162.0	162.0	123.5	123.5	-	-	106.0	106.9	-	-	-		
85.3	253.5	295.4	229.3	229.3	149.9	149.9	155.4	155.4	119.0	119.0	75.8	75.8	101.9	103.0	-	-	-		
91.9	224.9	284.4	220.5	220.5	146.6	146.6	149.9	149.9	115.7	115.7	73.9	73.9	98.3	99.0	75.8	76.3	-		
98.4	202.8	273.4	206.1	215.0	143.3	143.3	143.3	143.3	111.3	111.3	72.1	72.1	94.6	95.5	73.4	73.9	-		
108.3	176.4	260.1	179.1	206.1	138.9	138.9	136.1	136.1	106.7	106.7	69.6	69.6	89.8	90.7	70.2	70.7	43.7		
111.5	167.6	255.7	170.1	203.2	137.4	137.4	133.7	133.7	105.2	105.2	68.7	68.7	88.3	89.1	69.2	69.6	43.1		
124.7	137.4	239.6	139.3	192.5	128.6	131.9	124.9	124.9	99.4	99.4	65.6	65.6	82.5	83.3	65.2	65.6	41.2		
137.8	112.4	224.9	113.5	183.0	116.8	126.8	116.8	116.8	93.9	93.9	62.8	62.8	77.4	78.0	61.5	61.9	39.2		
150.9	94.1	212.4	95.5	174.2	98.5	122.4	103.5	110.2	89.2	89.2	60.5	60.5	73.4	74.1	58.6	59.0	37.6		
164.0	77.7	201.0	79.3	166.1	81.9	118.3	89.4	104.1	83.8	84.9	58.2	58.2	69.6	70.3	55.9	56.2	36.2		
177.2	63.5	190.7	65.0	158.7	67.2	114.6	74.7	98.5	77.6	80.9	56.0	56.0	65.9	66.6	53.4	53.6	34.8		
190.3	52.3	181.9	53.6	152.9	55.6	111.7	63.1	93.7	65.7	77.4	54.2	54.2	62.7	63.2	50.9	51.2	33.5		
203.4	42.8	173.8	43.9	147.3	45.1	108.9	52.6	89.2	54.9	74.1	51.9	52.5	57.6	60.0	48.6	48.9	32.3		
216.5	34.8	166.4	35.9	142.2	35.7	106.3	43.2	85.1	45.2	71.2	48.9	50.9	50.7	57.1	46.5	46.7	31.1		
229.7	27.2	159.8	28.1	137.8	29.1	103.8	35.4	81.6	37.3	68.6	40.6	49.5	42.6	54.5	43.1	44.8	30.1		
242.8	20.2	154.0	21.0	133.4	22.4	101.6	28.7	78.2	30.4	66.1	33.4	48.1	35.2	52.0	37.9	43.1	29.1		
255.9	13.9	148.8	14.6	129.0	15.7	99.6	22.9	75.0	24.7	63.9	27.3	47.0	28.4	49.6	30.9	41.4	28.2		
269.0	8.4	144.0	9.0	125.7	10.0	98.1	17.3	72.3	18.8	61.9	21.2	45.9	23.6	47.7	25.9	40.0	26.6		
272.3	-	142.6	-	124.6	8.6	97.7	15.9	71.7	17.3	61.4	19.6	45.7	22.4	47.2	24.6	39.6	26.2		
282.2	-	139.3	-	122.4	-	96.6	12.0	69.8	13.4	60.1	15.4	45.0	18.6	45.9	20.7	38.6	23.4		
292.0	-	136.5	-	120.7	-	95.6	8.2	68.0	9.6	58.9	11.5	44.3	14.7	44.5	16.8	37.6	19.9		
295.3	-	135.6	-	120.2	-	95.2	-	67.5	8.4	58.4	10.1	44.1	13.4	44.1	15.4	37.3	18.7		
301.8	-	133.7	-	118.7	-	94.8	-	66.4	-	57.7	7.7	43.7	11.2	43.4	13.2	36.7	16.2		
308.4	-	131.9	-	117.2	-	-	-	65.4	-	57.0	-	43.4	8.9	42.5	10.9	36.2	13.7		
311.7	-	131.0	-	116.5	-	-	-	64.9	-	56.6	-	43.2	7.7	42.1	9.7	35.8	12.5		
315.0	-	130.1	-	115.7	-	-	-	64.4	-	56.2	-	43.0	-	41.7	8.6	35.5	11.2		
321.5	-	124.6	-	115.0	-	-	-	63.5	-	55.6	-	42.8	-	41.0	-	35.0	9.0		
324.8	-	121.8	-	114.6	-	-	-	63.1	-	55.2	-	42.7	-	40.7	-	34.7	7.9		
334.6	-	113.5	-	113.5	-	-	-	61.7	-	54.2	-	42.3	-	39.7	-	34.0	-		
337.9	-	110.7	-	111.3	-	-	-	61.4	-	54.0	-	42.1	-	39.4	-	33.7	-		
341.2	-	107.9	-	70.1	-	-	-	61.0	-	53.8	-	-	-	39.1	-	33.5	-		
347.8	-	102.3	-	-	-	-	-	60.3	-	53.2	-	-	-	38.5	-	33.1	-		
351.1	-	100.1	-	-	-	-	-	59.9	-	53.0	-	-	-	38.2	-	32.8	-		
360.9	-	-	-	-	-	-	-	58.9	-	52.4	-	-	-	37.4	-	32.3	-		
374.0	-	-	-	-	-	-	-	57.5	-	51.6	-	-	-	36.4	-	31.5	-		
377.3	-	-	-	-	-	-	-	57.3	-	51.4	-	-	-	36.2	-	31.4	-		
387.1	-	-	-	-	-	-	-	56.7	-	-	-	-	-	35.5	-	31.0	-		
390.4	-	-	-	-	-	-	-	56.4	-	-	-	-	-	35.3	-	30.9	-		
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	34.7	-	30.4	-		
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	-	30.0	-		
416.7	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8	-	29.8	-		
426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3	-	-	-		

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_3, LSL+LF_4, LSL+LF_6, LSL+LF_8, LSL+LF_10, LSL+LF_12

PC 3800-1



** Option

496,000 lb		36.1 – 62.3 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5	
236.2 ft		255.9 ft		275.6 ft							
LSL+LF_2		LSL+LF_3		LSL+LF_2		LSL+LF_3					
39.4 ft											
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb	
15°		20°		30°		15°		20°		30°	
ft		1,000 lb									
39.4	392.4	392.4	-	-	-	-	-	-	-	-	39.4
42.7	380.3	380.3	291.0	-	388.0	388.0	-	-	-	-	42.7
45.9	368.2	368.2	282.2	-	374.8	374.8	286.6	-	332.9	341.7	45.9
49.2	357.1	357.1	275.6	179.7	363.8	363.8	280.0	-	326.3	331.8	49.2
52.5	346.1	346.1	269.0	176.4	352.7	352.7	273.4	178.6	319.7	321.9	52.5
59.1	326.3	326.3	255.7	170.9	332.9	332.9	260.1	172.0	304.2	306.4	59.1
65.6	308.6	308.6	244.7	164.2	315.3	315.3	249.1	166.4	291.0	291.0	65.6
72.2	291.0	291.0	233.7	159.8	299.8	299.8	238.1	162.0	276.7	277.8	72.2
78.7	277.8	277.8	224.9	154.3	286.6	286.6	229.3	156.5	262.4	264.6	78.7
85.3	264.6	264.6	216.1	149.9	273.4	273.4	220.5	152.1	252.4	254.6	85.3
91.9	253.5	253.5	207.2	145.5	249.1	262.4	212.7	147.7	242.5	244.7	91.9
98.4	231.5	242.5	199.5	141.1	227.1	251.3	206.1	144.4	226.0	234.8	98.4
111.5	196.9	224.9	187.0	134.5	192.5	232.2	192.9	137.1	192.9	217.7	111.5
124.7	167.6	208.7	175.6	128.2	163.1	215.7	181.1	130.8	164.2	203.6	124.7
137.8	143.3	194.0	165.3	122.4	138.9	201.7	170.9	125.7	140.0	189.6	137.8
150.9	126.4	183.0	157.3	117.9	120.5	190.7	162.0	120.5	121.6	177.8	150.9
164.0	111.3	172.7	149.5	113.9	105.4	180.4	154.3	116.1	106.3	167.9	164.0
177.2	97.9	163.1	142.2	110.2	93.5	170.9	147.7	112.4	93.9	159.8	177.2
190.3	86.7	155.8	137.1	107.6	82.3	162.8	141.8	109.8	82.6	153.2	190.3
203.4	76.7	149.2	132.3	105.2	72.2	155.4	136.3	107.2	72.4	147.0	203.4
213.3	70.1	144.8	129.0	103.6	65.5	150.5	132.5	105.3	65.6	142.6	213.3
216.5	67.9	143.3	127.9	-	63.3	148.8	131.2	104.7	63.3	141.1	216.5
226.4	62.4	139.4	125.1	-	57.8	145.0	128.4	103.4	57.7	137.2	226.4
229.7	60.6	138.2	124.2	-	55.9	143.7	127.5	-	55.8	136.0	229.7
239.5	55.3	134.8	122.4	-	50.7	140.0	124.9	-	50.5	132.5	239.5
242.8	53.7	133.9	-	-	49.2	138.9	124.2	-	48.9	131.5	242.8
249.3	50.5	132.3	-	-	46.1	136.7	122.7	-	45.9	129.7	249.3
255.9	-	-	-	-	43.0	134.5	121.3	-	42.8	127.9	255.9
265.7	-	-	-	-	38.8	132.3	-	-	38.6	125.7	265.7
269.0	-	-	-	-	-	-	-	-	-	-	269.0
272.3	-	-	-	-	-	-	-	-	-	-	272.3
282.2	-	-	-	-	-	-	-	-	-	-	282.2

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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 496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5				
		295.3 ft										305.1 ft								
		LSL+LF_2			LSL+LF_3			LSL+LF_6		LSL+LF_14		LSL+LF_6			LSL+LF_14					
		39.4 ft																		
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb				
		15°		20°		30°		15°		20°		15°		20°		15°		20°		
		1,000 lb																		
ft																				ft
45.9	379.2	388.0	-	-	-	-	-	341.7	-	374.8	-	346.1	346.1	-	377.0	-	45.9			
49.2	372.6	378.1	286.6	-	321.9	332.9	282.2	332.9	257.9	372.6	282.2	336.2	336.2	257.9	374.8	284.4	49.2			
52.5	366.0	368.2	280.0	-	317.5	328.5	275.6	324.1	251.3	370.4	275.6	326.3	326.3	253.5	372.6	277.8	52.5			
55.8	357.1	358.3	274.5	177.5	314.2	324.1	270.1	316.4	245.8	363.8	270.1	318.6	318.6	248.0	367.1	272.3	55.8			
59.1	348.3	348.3	269.0	175.3	310.9	319.7	264.6	308.6	240.3	357.1	264.6	310.9	310.9	242.5	361.6	266.8	59.1			
65.6	330.7	330.7	257.9	169.8	302.0	308.6	253.5	293.2	231.5	339.5	253.5	295.4	295.4	233.7	343.9	255.7	65.6			
72.2	315.3	315.3	249.1	165.3	291.0	296.5	244.7	280.0	222.7	324.1	244.7	283.3	283.3	224.9	328.5	246.9	72.2			
78.7	302.0	302.0	238.1	160.9	280.0	284.4	235.9	266.8	215.0	308.6	235.9	271.2	271.2	216.1	313.1	238.1	78.7			
85.3	269.0	288.8	229.3	156.5	263.5	273.4	227.1	255.7	207.2	296.5	228.2	252.4	260.1	209.4	299.8	230.4	85.3			
91.9	242.5	277.8	222.7	152.1	246.9	262.4	220.5	244.7	199.5	284.4	220.5	233.7	249.1	201.7	286.6	222.7	91.9			
98.4	220.5	266.8	216.1	148.8	224.9	253.5	213.8	235.9	192.9	273.4	213.3	212.7	240.3	195.1	276.7	215.5	98.4			
111.5	185.9	247.7	202.8	142.2	186.8	237.0	201.4	219.9	181.9	253.5	200.1	175.3	223.2	184.1	256.8	202.3	111.5			
124.7	156.2	231.1	191.1	136.0	158.4	221.9	190.0	206.1	171.6	235.9	189.0	146.6	208.3	173.8	239.2	191.3	124.7			
137.8	131.2	217.2	180.8	130.1	133.4	207.2	179.7	192.9	162.0	220.8	179.7	122.4	195.1	164.2	224.9	181.9	137.8			
150.9	113.5	204.7	172.0	125.7	115.3	195.5	170.9	181.9	154.0	208.3	170.9	104.1	184.8	156.2	211.6	173.1	150.9			
164.0	97.8	193.3	163.9	121.3	99.3	184.5	162.4	172.0	146.6	197.3	162.8	88.0	175.3	148.8	200.6	165.0	164.0			
177.2	84.0	183.0	156.5	116.8	85.3	174.2	154.3	163.1	140.0	187.4	155.8	74.1	166.4	142.2	190.3	158.0	177.2			
190.3	74.3	174.9	150.6	113.9	75.5	166.8	148.4	155.8	134.8	178.6	149.9	64.4	158.4	137.1	180.8	152.1	190.3			
203.4	64.9	167.2	145.1	111.1	66.0	159.8	142.9	148.8	130.1	170.5	144.0	55.0	151.4	131.9	173.4	146.2	203.4			
216.5	55.8	159.8	140.0	108.5	56.9	153.2	137.8	142.2	125.7	163.1	138.9	45.9	145.5	126.8	166.4	141.1	216.5			
229.7	48.4	154.0	135.6	106.1	49.2	148.1	133.4	137.1	121.3	156.5	134.5	38.4	139.6	123.1	159.8	136.7	229.7			
242.8	41.6	148.4	131.5	104.1	42.3	142.9	129.3	132.3	117.6	151.4	130.8	31.5	134.5	119.4	154.0	133.0	242.8			
255.9	35.3	143.3	127.9	102.5	35.9	137.8	125.7	127.9	114.6	146.6	127.5	25.4	130.1	115.7	148.8	129.4	255.9			
269.0	30.0	138.9	124.9	-	30.6	134.1	122.7	124.2	111.7	142.2	124.6	20.1	126.4	112.8	144.4	125.7	269.0			
282.2	25.1	135.2	122.4	-	25.7	130.8	120.2	120.9	109.7	138.5	122.6	15.1	123.1	110.6	140.0	123.5	282.2			
288.7	22.9	133.7	121.3	-	23.4	129.3	119.0	119.4	109.1	136.7	121.3	12.9	121.6	109.9	137.8	122.4	288.7			
295.3	20.7	132.3	-	-	21.2	127.9	-	117.9	-	135.2	-	10.6	120.2	109.1	136.3	121.6	295.3			
298.6	19.8	131.2	-	-	20.1	126.8	-	117.9	-	134.5	-	9.6	119.3	108.7	135.6	121.3	298.6			
301.8	-	-	-	-	-	-	-	-	-	-	-	8.6	118.5	-	134.8	-	301.8			
308.4	-	-	-	-	-	-	-	-	-	-	-	-	116.8	-	133.4	-	308.4			


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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5								
315.0 ft																		
LSL+LF_2			LSL+LF_3			LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_14				
39.4 ft																		
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb						
15°		20°		30°		15°		20°		15°		20°		15°		20°		
ft		1,000 lb														ft		
45.9	346.1	357.1	-	-	-	-	-	-	348.3	-	392.4	392.4	-	392.4	-	381.4	-	45.9
49.2	346.1	356.0	291.0	-	315.3	328.5	280.0	-	338.4	260.1	390.2	390.2	-	390.2	-	379.2	-	49.2
52.5	346.1	354.9	284.4	-	313.1	324.1	275.6	-	328.5	253.5	388.0	388.0	284.4	388.0	284.4	377.0	280.0	52.5
55.8	345.0	353.8	278.9	178.6	310.9	320.8	272.3	-	320.8	249.1	378.1	378.1	278.9	378.1	278.9	370.4	274.5	55.8
59.1	343.9	352.7	273.4	176.4	308.6	317.5	269.0	-	313.1	244.7	368.2	368.2	273.4	368.2	273.4	363.8	269.0	59.1
65.6	337.3	337.3	262.4	170.9	302.0	308.6	257.9	-	297.6	233.7	352.7	352.7	264.6	352.7	264.6	346.1	257.9	65.6
72.2	321.9	321.9	251.3	166.4	292.1	298.7	249.1	-	285.5	224.9	323.0	337.3	255.7	337.3	255.7	330.7	249.1	72.2
78.7	299.8	308.6	242.5	162.0	282.2	288.8	240.3	-	273.4	218.3	293.2	321.9	246.9	321.9	246.9	317.5	240.3	78.7
85.3	269.0	295.4	233.7	157.6	262.4	278.9	231.5	-	262.4	210.5	263.5	309.7	238.1	309.7	238.1	304.2	232.6	85.3
91.9	240.3	284.4	227.1	154.3	242.5	269.0	224.9	-	251.3	203.9	233.7	297.6	231.5	297.6	231.5	291.0	224.9	91.9
98.4	219.4	273.4	220.5	149.9	221.0	260.1	218.3	-	242.5	197.3	212.7	286.6	222.7	286.6	222.7	280.0	217.7	98.4
111.5	184.1	254.3	207.2	144.0	183.0	243.6	206.5	-	226.0	186.3	175.3	266.8	210.9	266.8	210.9	260.1	204.5	111.5
124.7	154.0	237.4	195.5	138.2	154.0	228.9	195.5	-	211.6	176.0	146.6	249.9	200.3	249.9	200.3	243.6	193.5	124.7
137.8	129.0	222.7	185.2	132.3	129.0	215.0	185.2	-	198.4	166.4	122.4	233.7	190.7	233.7	190.7	228.9	184.1	137.8
150.9	111.5	210.9	176.4	127.9	110.9	203.2	175.6	-	187.4	158.4	104.6	221.9	181.9	221.9	181.9	215.0	175.3	150.9
164.0	95.8	199.9	168.3	123.5	94.9	192.2	167.2	-	177.5	151.0	88.7	210.5	173.8	210.5	173.8	203.9	167.2	164.0
177.2	81.8	189.6	160.9	119.0	80.9	181.9	159.8	-	168.7	144.4	74.7	199.5	166.4	199.5	166.4	193.6	159.8	177.2
190.3	72.1	180.8	155.1	115.4	71.1	173.1	153.2	-	161.3	138.5	65.0	190.7	159.8	190.7	159.8	184.1	153.2	190.3
203.4	62.7	172.7	149.2	112.4	61.5	165.3	147.3	-	154.3	133.4	55.7	182.6	154.0	182.6	154.0	176.0	148.1	203.4
216.5	53.6	165.3	143.3	110.2	52.2	158.7	142.2	-	147.7	129.0	46.7	175.3	148.8	175.3	148.8	168.7	143.3	216.5
229.7	46.1	159.5	138.9	107.9	44.8	153.2	137.8	-	141.8	124.6	39.2	168.7	144.4	168.7	144.4	162.0	138.9	229.7
242.8	39.2	153.6	134.8	105.7	37.8	148.4	133.7	-	136.7	120.5	32.3	162.4	140.4	162.4	140.4	156.2	134.5	242.8
255.9	33.1	147.7	131.2	103.8	31.5	143.3	130.1	-	132.3	116.8	26.0	156.5	136.7	156.5	136.7	151.0	130.6	255.9
269.0	27.8	143.3	127.5	102.3	26.1	138.5	126.4	-	127.9	114.6	20.7	152.1	133.7	152.1	133.7	146.6	127.9	269.0
282.2	22.9	139.3	124.6	-	21.1	134.8	123.5	-	124.3	112.4	15.9	148.1	130.8	148.1	131.0	142.2	124.9	282.2
295.3	18.3	135.6	122.4	-	16.5	131.2	121.3	-	121.3	110.0	11.5	144.4	127.9	144.4	127.9	138.5	122.6	295.3
305.1	15.4	133.4	121.3	-	13.6	129.0	119.0	-	119.6	108.7	8.4	142.2	126.8	142.0	126.8	136.3	121.3	305.1
308.4	14.5	132.6	-	-	12.6	128.2	-	-	119.0	-	-	141.5	-	141.3	-	135.6	-	308.4
315.0	12.6	131.2	-	-	10.6	126.8	-	-	117.9	-	-	140.0	-	140.0	-	133.4	-	315.0

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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5				
 324.8 ft																				
LSL+LF_2				LSL+LF_3				LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_14				
 39.4 ft																				
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0-716.6 klb		0 lb		0 lb – 716.6 klb						
15°		20°		30°		15°		20°		15°		20°		15°		20°				
1,000 lb																				
ft																		ft		
49.2	-	-	-	-	-	-	-	-	-	339.5	339.5	-	392.4	392.4	-	392.4	-	381.4	-	49.2
52.5	-	-	-	-	-	-	-	-	-	332.9	332.9	255.7	390.2	390.2	286.6	390.2	286.6	377.0	280.0	52.5
59.1	-	-	-	-	-	-	-	-	-	315.3	315.3	244.7	372.6	372.6	275.6	372.6	275.6	368.2	269.0	59.1
65.6	-	-	-	-	-	-	-	-	-	302.0	302.0	235.9	354.9	354.9	266.8	354.9	266.8	350.5	260.1	65.6
72.2	-	-	-	-	-	-	-	-	-	288.8	288.8	227.1	321.9	340.6	255.7	340.6	255.7	335.1	249.1	72.2
78.7	-	-	-	-	-	-	-	-	-	275.6	275.6	220.5	288.8	326.3	246.9	326.3	246.9	319.7	240.3	78.7
85.3	-	-	-	-	-	-	-	-	-	252.4	265.7	212.7	260.1	313.1	240.3	313.1	240.3	307.5	232.6	85.3
91.9	-	-	-	-	-	-	-	-	-	229.3	255.7	206.1	231.5	299.8	231.5	299.8	231.5	295.4	224.9	91.9
98.4	-	-	-	-	-	-	-	-	-	208.3	245.8	199.5	210.5	289.9	224.9	289.9	224.9	284.4	218.8	98.4
111.5	-	-	-	-	-	-	-	-	-	170.9	228.2	187.8	173.1	270.1	213.1	270.1	213.1	263.5	206.7	111.5
124.7	-	-	-	-	-	-	-	-	-	141.8	214.2	177.1	144.4	252.8	202.1	252.8	202.1	245.8	195.7	124.7
137.8	-	-	-	-	-	-	-	-	-	116.8	201.7	167.6	120.2	238.1	191.8	238.1	191.8	231.5	185.9	137.8
150.9	-	-	-	-	-	-	-	-	-	99.2	190.7	160.2	102.1	225.6	183.7	225.6	183.7	218.3	176.4	150.9
164.0	-	-	-	-	-	-	-	-	-	83.4	180.4	153.2	86.1	213.8	176.0	213.8	176.0	207.2	169.0	164.0
177.2	-	-	-	-	-	-	-	-	-	69.4	170.9	146.6	72.1	202.8	168.7	202.8	168.7	196.9	162.0	177.2
190.3	-	-	-	-	-	-	-	-	-	59.7	163.5	140.7	62.4	194.0	162.0	194.0	162.0	187.4	155.4	190.3
203.4	-	-	-	-	-	-	-	-	-	50.3	156.5	135.2	53.0	185.6	156.2	185.6	156.2	179.3	150.3	203.4
216.5	-	-	-	-	-	-	-	-	-	41.2	149.9	130.1	43.9	177.5	151.0	177.5	151.0	172.0	145.1	216.5
229.7	-	-	-	-	-	-	-	-	-	33.7	144.0	126.4	36.4	170.9	146.6	170.9	146.6	165.3	140.0	229.7
242.8	-	-	-	-	-	-	-	-	-	26.8	138.9	122.7	29.5	165.0	142.2	165.0	142.2	159.5	136.3	242.8
255.9	-	-	-	-	-	-	-	-	-	20.5	134.5	119.0	23.4	159.8	137.8	159.8	137.8	153.2	132.3	255.9
269.0	-	-	-	-	-	-	-	-	-	15.2	130.1	116.1	18.1	154.7	134.8	154.7	134.8	148.8	129.0	269.0
282.2	-	-	-	-	-	-	-	-	-	10.3	126.4	113.2	13.2	150.3	132.1	149.9	132.3	144.4	126.0	282.2
288.7	-	-	-	-	-	-	-	-	-	7.9	124.6	111.7	10.9	148.4	130.7	148.1	130.6	142.2	124.6	288.7
295.3	-	-	-	-	-	-	-	-	-	-	122.4	110.2	8.6	146.6	129.0	146.6	129.0	140.4	123.5	295.3
308.4	-	-	-	-	-	-	-	-	-	-	120.2	109.2	-	142.9	127.6	142.9	127.5	136.7	121.3	308.4
315.0	-	-	-	-	-	-	-	-	-	-	119.0	108.5	-	141.1	126.8	141.1	126.8	134.9	121.3	315.0
321.5	-	-	-	-	-	-	-	-	-	-	117.6	-	-	139.6	-	138.9	-	133.2	-	321.5
324.8	-	-	-	-	-	-	-	-	-	-	116.8	-	-	138.9	-	137.8	-	132.3	-	324.8

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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5											
		334.6 ft																			
		LSL+LF_2			LSL+LF_3			LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_14					
		39.4 ft																			
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb					
		15°		20°		30°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																		ft	
49.2	324.1	335.1	-	-	-	-	-	326.3	-	343.9	-	392.4	392.4	-	392.4	-	388.0	-	0		
52.5	324.1	332.9	286.6	-	306.4	315.3	273.4	324.1	280.0	335.1	257.9	392.4	392.4	288.8	392.4	288.8	381.4	282.2			
59.1	324.1	332.9	275.6	177.5	302.0	310.9	269.0	317.5	269.0	317.5	246.9	374.8	374.8	277.8	374.8	277.8	370.4	271.2			
65.6	324.1	330.7	264.6	172.0	299.8	304.2	262.4	310.9	260.1	304.2	238.1	357.1	357.1	266.8	357.1	266.8	352.7	260.1			
72.2	313.1	326.3	255.7	167.6	289.9	296.5	253.5	302.0	251.3	291.0	229.3	321.9	342.8	257.9	342.8	257.9	337.3	251.3			
78.7	291.0	315.3	246.9	163.1	282.2	288.8	244.7	293.2	244.7	277.8	220.5	286.6	328.5	249.1	328.5	249.1	324.1	242.5			
85.3	264.6	302.0	238.1	159.8	260.1	281.1	235.9	283.3	235.9	267.9	213.8	257.9	316.4	242.5	316.4	242.5	310.9	234.8			
91.9	238.1	291.0	231.5	155.4	238.1	273.4	229.3	273.4	229.3	257.9	207.2	229.3	304.2	233.7	304.2	233.7	297.6	227.1			
98.4	215.0	280.0	224.9	152.1	217.2	264.6	222.7	265.7	220.5	249.1	200.6	207.8	293.2	227.1	293.2	227.1	286.6	221.0			
111.5	179.7	260.9	211.6	145.5	179.1	249.1	210.9	250.2	210.2	231.5	189.6	170.3	273.4	215.3	273.4	215.3	266.8	208.9			
124.7	149.5	244.0	199.9	139.6	149.9	235.2	199.9	235.2	199.9	216.4	179.3	141.8	256.5	204.3	256.5	204.3	250.2	197.9			
137.8	124.6	229.3	189.6	134.5	125.7	220.5	189.6	220.5	189.6	203.9	169.8	116.8	240.3	194.0	240.3	194.0	235.2	188.1			
150.9	107.1	217.5	180.8	129.3	107.3	208.7	180.8	208.7	180.0	192.9	161.7	99.1	228.5	185.9	228.5	185.9	220.5	178.6			
164.0	91.3	206.1	172.7	124.9	91.1	197.7	172.3	197.7	171.6	183.0	154.3	83.2	217.2	178.2	217.2	178.2	210.2	171.2			
177.2	77.4	195.1	165.3	121.3	76.9	187.4	164.2	187.4	164.2	174.2	147.7	69.2	206.1	170.9	206.1	170.9	200.3	164.2			
190.3	66.4	186.3	158.7	117.6	65.8	178.6	157.6	178.6	157.6	166.1	141.8	58.2	197.3	164.2	197.3	164.2	190.7	157.6			
203.4	57.0	178.2	152.9	114.3	56.3	170.5	151.8	170.5	151.4	158.7	136.7	48.8	188.9	158.4	188.9	158.4	181.9	151.8			
216.5	49.2	170.9	147.7	111.3	48.5	163.1	146.6	163.1	145.5	152.1	132.3	41.0	180.8	153.2	180.8	153.2	174.2	146.6			
229.7	41.7	164.2	142.6	109.3	40.9	158.0	141.8	158.0	141.8	146.2	127.9	33.5	174.2	148.1	174.2	148.1	167.6	142.2			
242.8	34.8	158.4	138.2	107.2	33.8	152.9	137.1	152.9	137.1	141.1	123.8	26.6	167.9	143.7	167.9	143.7	161.7	137.8			
255.9	28.4	153.2	134.5	105.2	27.3	147.7	133.4	147.7	133.4	136.7	120.2	20.3	162.0	140.0	162.0	140.0	156.2	133.7			
269.0	23.1	148.1	130.8	103.5	22.0	143.3	129.7	143.3	129.7	132.3	117.2	15.0	156.9	136.3	156.9	136.3	151.0	130.1			
282.2	18.2	143.7	127.5	102.1	17.0	138.9	126.4	138.9	126.4	128.1	114.6	10.0	152.1	133.4	152.1	133.4	146.6	127.1			
285.4	17.1	142.7	126.8	101.6	15.9	137.8	125.7	137.8	125.7	127.2	113.8	8.9	151.0	132.8	151.0	132.6	145.5	126.4			
288.7	15.9	141.8	126.0	-	14.7	136.7	124.9	136.7	124.9	126.3	113.0	7.7	149.9	132.3	149.9	131.7	144.4	125.7			
295.3	13.7	140.0	124.6	-	12.3	134.5	123.5	134.5	123.5	124.6	111.3	-	147.7	130.1	147.7	130.1	142.6	124.6			
308.4	9.8	136.3	122.8	-	8.4	131.2	121.3	131.8	121.5	121.6	110.0	-	144.0	127.9	144.8	127.9	138.9	122.4			
315.0	7.9	134.5	121.3	-	-	130.1	120.2	130.1	120.2	120.2	109.3	-	142.2	126.8	143.3	126.8	135.2	121.8			
321.5	-	130.4	120.2	-	-	127.1	119.0	126.0	119.0	117.6	108.5	-	138.5	126.8	138.5	126.8	131.5	121.3			
334.6	-	122.4	-	-	-	121.3	-	117.9	-	112.4	-	-	131.2	-	129.0	-	124.6	-			

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5											
		344.5 ft																			
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_14							
		39.4 ft																			
		0 lb		0 lb – 716.6 klb		0 lb		0-716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb					
		15°		20°		30°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																ft			
49.2	-	-	-	-	-	-	-	310.9	321.9	-	343.9	-	388.0	392.4	-	392.4	-	392.4	-	49.2	
52.5	-	-	-	-	-	-	-	308.6	317.5	277.8	337.3	257.9	388.0	392.4	288.8	392.4	288.8	390.2	282.2	52.5	
59.1	-	-	-	-	-	-	-	306.4	313.1	269.0	321.9	249.1	377.0	377.0	277.8	377.0	277.8	374.8	273.4	59.1	
65.6	-	-	-	-	-	-	-	302.0	308.6	262.4	306.4	238.1	361.6	361.6	269.0	361.6	269.0	357.1	262.4	65.6	
72.2	-	-	-	-	-	-	-	289.9	300.9	253.5	294.3	231.5	323.0	347.2	260.1	347.2	260.1	341.7	253.5	72.2	
78.7	-	-	-	-	-	-	-	280.0	293.2	246.9	282.2	222.7	284.4	332.9	251.3	332.9	251.3	326.3	244.7	78.7	
85.3	-	-	-	-	-	-	-	255.7	284.4	238.1	271.2	216.1	255.7	319.7	242.5	319.7	242.5	314.2	237.0	85.3	
91.9	-	-	-	-	-	-	-	231.5	275.6	231.5	260.1	209.4	227.1	306.4	235.9	306.4	235.9	302.0	229.3	91.9	
98.4	-	-	-	-	-	-	-	210.0	267.9	222.7	251.3	202.8	205.6	296.5	229.3	296.5	229.3	291.0	223.2	98.4	
111.5	-	-	-	-	-	-	-	172.0	252.4	212.4	234.8	191.8	167.6	276.7	217.5	276.7	217.5	270.1	211.1	111.5	
124.7	-	-	-	-	-	-	-	143.3	238.1	202.1	220.5	181.5	138.9	259.4	206.5	259.4	206.5	252.4	199.5	124.7	
137.8	-	-	-	-	-	-	-	119.0	224.9	191.8	207.2	172.0	114.6	244.7	196.2	244.7	196.2	238.1	189.6	137.8	
150.9	-	-	-	-	-	-	-	101.0	212.4	182.2	196.2	163.9	96.6	231.5	187.4	231.5	187.4	224.9	180.8	150.9	
164.0	-	-	-	-	-	-	-	85.0	201.0	173.8	185.9	156.5	80.5	219.7	179.3	219.7	179.3	213.1	173.4	164.0	
177.2	-	-	-	-	-	-	-	71.0	190.7	166.4	176.4	149.9	66.6	209.4	172.0	209.4	172.0	202.5	166.4	177.2	
190.3	-	-	-	-	-	-	-	59.8	181.1	159.8	168.3	144.0	55.6	199.9	166.1	199.9	166.1	192.9	159.8	190.3	
203.4	-	-	-	-	-	-	-	50.3	172.7	153.6	160.9	138.5	46.2	191.1	160.2	191.1	160.2	184.8	154.0	203.4	
216.5	-	-	-	-	-	-	-	42.5	165.3	147.7	154.3	133.4	38.4	183.0	154.3	183.0	154.3	177.1	148.4	216.5	
229.7	-	-	-	-	-	-	-	35.1	160.2	143.3	148.4	129.0	30.9	176.4	149.9	176.4	149.9	169.8	143.3	229.7	
242.8	-	-	-	-	-	-	-	28.1	155.4	139.3	142.9	124.9	24.0	170.1	145.5	170.1	145.5	164.2	138.9	242.8	
255.9	-	-	-	-	-	-	-	21.8	151.0	135.6	137.8	121.3	17.6	164.2	141.1	164.2	141.1	158.4	136.0	255.9	
269.0	-	-	-	-	-	-	-	16.5	145.9	131.9	133.4	118.6	12.2	159.1	137.6	159.1	137.8	153.2	132.3	269.0	
278.9	-	-	-	-	-	-	-	12.7	142.2	129.2	130.4	116.1	8.4	155.4	135.6	155.4	135.0	149.9	130.1	278.9	
282.2	-	-	-	-	-	-	-	11.5	141.1	128.4	129.7	115.4	-	154.3	134.9	154.3	134.5	148.8	129.3	282.2	
292.0	-	-	-	-	-	-	-	7.9	137.8	126.2	127.5	113.2	-	151.0	132.9	151.0	132.8	145.3	127.1	292.0	
295.3	-	-	-	-	-	-	-	-	136.7	125.7	126.8	112.4	-	149.9	132.3	149.9	132.3	144.0	126.4	295.3	
308.4	-	-	-	-	-	-	-	-	132.3	122.7	123.1	111.0	-	144.8	129.3	145.5	129.3	138.9	123.5	308.4	
321.5	-	-	-	-	-	-	-	-	126.4	120.2	118.7	109.4	-	138.5	127.0	139.3	127.0	130.1	122.0	321.5	
331.4	-	-	-	-	-	-	-	-	120.9	116.8	114.8	108.2	-	133.0	125.7	133.2	125.7	123.8	120.2	331.4	
334.6	-	-	-	-	-	-	-	-	119.0	-	113.5	-	-	131.2	-	131.2	-	122.0	-	334.6	
341.2	-	-	-	-	-	-	-	-	112.4	-	107.1	-	-	125.7	-	123.5	-	117.9	-	341.2	

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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb			 36.1 – 68.9 ft			 39.4 ft x 39.4 ft			 32.2 ft/s			360°		ASME B30.5					
354.3 ft																			
LSL+LF_2			LSL+LF_3			LSL+LF_4		LSL+LF_6		LSL+LF_8			LSL+LF_10		LSL+LF_14				
39.4 ft																			
 0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb					
15°		20°		30°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																ft	
49.2	302.0	313.1	-	-	-	-	-	315.3	-	337.3	-	377.0	388.0	-	392.4	-	392.4	-	49.2
52.5	302.0	313.1	288.8	-	297.6	306.4	266.8	313.1	275.6	337.3	260.1	377.0	388.0	-	392.4	-	392.4	-	52.5
55.8	302.0	313.1	283.3	-	296.5	304.2	264.6	310.9	272.3	330.7	254.6	377.0	384.7	284.4	386.9	284.4	384.7	277.8	55.8
59.1	302.0	313.1	277.8	178.6	295.4	302.0	262.4	308.6	269.0	324.1	249.1	377.0	381.4	280.0	381.4	280.0	377.0	273.4	59.1
65.6	302.0	313.1	269.0	173.1	293.2	299.8	260.1	306.4	262.4	308.6	240.3	354.9	363.8	271.2	363.8	271.2	359.4	264.6	65.6
72.2	299.8	310.9	260.1	168.7	283.3	294.3	253.5	299.8	255.7	296.5	231.5	319.7	349.4	262.4	349.4	262.4	343.9	255.7	72.2
78.7	280.0	308.6	251.3	165.3	277.8	288.8	246.9	293.2	249.1	284.4	224.9	284.4	335.1	253.5	335.1	253.5	330.7	246.9	78.7
85.3	255.7	308.6	242.5	160.9	254.6	281.1	240.3	285.5	240.3	273.4	217.2	254.6	323.0	244.7	323.0	244.7	317.5	239.2	85.3
91.9	231.5	297.6	235.9	157.6	231.5	275.6	233.7	277.8	233.7	262.4	210.5	224.9	310.9	238.1	310.9	238.1	304.2	231.5	91.9
98.4	209.4	286.6	227.1	153.2	211.6	269.0	227.1	270.1	227.1	253.5	205.0	203.4	299.8	231.5	299.8	231.5	293.2	224.9	98.4
111.5	174.2	267.5	215.3	147.3	175.3	254.6	215.3	254.6	215.3	237.0	193.3	165.9	280.0	219.7	280.0	219.7	273.4	212.7	111.5
124.7	144.4	250.6	204.3	141.5	146.2	240.3	204.3	240.3	204.3	222.7	182.6	137.4	263.1	208.7	263.1	208.7	256.8	201.7	124.7
137.8	120.2	235.9	194.0	135.6	121.3	227.1	194.0	227.1	194.0	209.4	173.1	112.4	246.9	198.4	246.9	198.4	241.8	191.8	137.8
150.9	102.1	223.4	185.2	131.2	102.9	215.3	185.2	215.3	185.2	198.4	165.7	94.5	233.7	189.6	233.7	189.6	227.1	183.0	150.9
164.0	86.1	212.0	176.7	127.1	86.6	203.9	176.7	203.9	176.7	188.1	158.4	78.6	221.9	181.5	221.9	181.5	216.1	174.9	164.0
177.2	72.1	201.7	168.7	123.5	72.5	192.9	168.7	192.9	168.7	178.6	151.0	64.6	211.6	174.2	211.6	174.2	205.8	167.6	177.2
190.3	61.1	192.2	162.8	119.8	61.4	184.1	162.0	184.1	162.0	170.5	145.1	53.6	202.8	167.6	202.8	167.6	196.2	160.9	190.3
203.4	51.7	183.7	156.9	116.5	51.8	176.0	155.8	176.0	155.8	163.1	140.0	44.2	194.4	161.7	194.4	161.7	187.4	155.8	203.4
216.5	43.9	176.4	151.0	113.5	43.9	168.7	149.9	168.7	149.9	156.5	135.6	36.4	186.3	156.5	186.3	156.5	179.7	150.6	216.5
229.7	36.4	169.8	145.9	111.0	36.2	162.8	145.5	162.8	145.5	150.6	131.2	28.9	178.9	151.4	178.9	151.4	173.1	145.5	229.7
242.8	29.5	163.5	141.5	108.7	29.2	157.6	141.5	157.6	141.1	145.1	127.1	22.0	172.3	147.0	172.3	147.0	166.4	141.1	242.8
255.9	23.1	157.6	137.8	106.5	22.7	153.2	137.8	153.2	136.7	140.0	123.5	15.7	166.4	143.3	166.4	143.3	160.6	137.1	255.9
269.0	17.7	152.5	134.1	104.7	17.4	148.8	134.1	148.8	133.7	135.6	120.2	10.2	161.2	139.8	161.7	139.8	155.4	133.4	269.0
272.3	16.4	151.2	133.2	104.3	16.1	147.7	133.2	147.7	133.0	134.5	119.0	8.8	159.8	138.9	160.2	138.9	154.3	132.6	272.3
282.2	12.7	147.7	130.8	103.1	12.4	144.4	130.1	144.4	130.1	131.5	116.5	-	156.5	136.3	156.5	136.3	151.0	130.4	282.2
292.0	9.3	144.4	128.6	102.1	8.8	141.1	127.9	141.1	127.6	128.8	114.3	-	153.2	134.1	153.2	134.1	147.0	128.2	292.0
295.3	8.2	143.3	127.9	101.6	-	140.0	126.8	140.0	126.8	127.9	113.5	-	152.1	133.4	152.1	133.4	145.1	127.5	295.3
298.6	-	142.2	127.1	101.4	-	138.7	126.2	138.5	126.2	127.1	113.0	-	150.6	132.6	150.6	132.6	143.3	126.8	298.6
308.4	-	138.9	124.9	-	-	134.8	124.6	134.1	124.6	124.9	111.3	-	146.2	130.4	146.2	130.4	137.8	124.6	308.4
321.5	-	132.3	122.4	-	-	129.3	122.4	127.5	122.0	120.2	109.6	-	138.9	128.2	139.3	128.2	129.0	122.4	321.5
334.6	-	123.5	120.2	-	-	123.5	120.2	120.2	119.0	113.5	108.5	-	130.1	126.8	131.2	126.8	120.6	121.3	334.6
337.9	-	120.6	120.2	-	-	120.5	119.0	117.2	117.9	110.7	108.2	-	127.6	125.7	128.1	125.7	118.8	119.0	337.9
347.8	-	112.0	-	-	-	111.6	-	108.5	-	102.3	-	-	120.4	-	118.8	-	113.5	-	347.8
351.1	-	109.1	-	-	-	108.7	-	105.6	-	100.1	-	-	117.9	-	115.7	-	111.3	-	351.1

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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5											
		364.2 ft																			
		LSL+LF_2				LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_14					
		39.4 ft																			
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb					
		15°		20°		30°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																		ft	
52.5	-	-	-	-	-	-	-	308.6	-	330.7	-	366.0	377.0	-	390.2	-	392.4	-	52.5		
55.8	-	-	-	-	297.6	306.4	260.1	306.4	269.0	328.5	255.7	366.0	377.0	286.6	386.9	286.6	385.8	280.0	55.8		
59.1	-	-	-	-	297.6	306.4	260.1	304.2	266.8	326.3	251.3	366.0	377.0	280.0	383.6	280.0	379.2	275.6	59.1		
65.6	-	-	-	-	297.6	304.2	257.9	302.0	262.4	310.9	242.5	348.3	366.0	271.2	366.0	271.2	361.6	264.6	65.6		
72.2	-	-	-	-	282.2	299.8	253.5	296.5	257.9	298.7	233.7	314.2	351.6	262.4	351.6	262.4	346.1	255.7	72.2		
78.7	-	-	-	-	273.4	295.4	249.1	291.0	249.1	286.6	224.9	280.0	337.3	253.5	337.3	253.5	332.9	249.1	78.7		
85.3	-	-	-	-	250.2	289.9	242.5	284.4	242.5	275.6	219.4	251.3	325.2	246.9	325.2	246.9	320.8	241.4	85.3		
91.9	-	-	-	-	227.1	284.4	235.9	277.8	235.9	264.6	212.7	222.7	313.1	240.3	313.1	240.3	308.6	233.7	91.9		
98.4	-	-	-	-	208.3	278.9	229.3	271.2	229.3	255.7	206.1	201.2	303.1	233.7	303.1	233.7	297.6	227.1	98.4		
111.5	-	-	-	-	172.5	266.8	217.5	257.9	217.5	239.2	195.1	163.1	283.3	221.2	283.3	221.2	276.7	214.4	111.5		
124.7	-	-	-	-	142.9	252.8	206.5	244.7	206.5	224.9	184.8	134.5	266.0	210.2	266.0	210.2	259.0	203.4	124.7		
137.8	-	-	-	-	117.9	238.1	196.2	231.5	196.2	211.6	175.3	110.2	251.3	200.6	251.3	200.6	244.7	194.0	137.8		
150.9	-	-	-	-	100.0	225.6	187.4	219.0	187.4	200.6	167.2	92.0	238.1	191.8	238.1	191.8	231.5	185.2	150.9		
164.0	-	-	-	-	84.0	213.8	178.9	207.6	178.9	190.3	159.8	75.9	226.0	183.7	226.0	183.7	219.7	177.1	164.0		
177.2	-	-	-	-	69.9	202.8	170.9	197.3	170.9	180.8	153.2	61.9	215.0	176.4	215.0	176.4	208.7	169.8	177.2		
190.3	-	-	-	-	58.6	193.3	164.2	187.8	164.2	172.7	147.3	50.8	205.4	169.8	205.4	169.8	198.4	163.1	190.3		
203.4	-	-	-	-	48.4	184.5	158.0	179.3	158.0	165.3	141.8	41.3	196.6	163.5	196.6	163.5	190.3	157.3	203.4		
216.5	-	-	-	-	39.2	176.4	152.1	172.0	152.1	158.7	136.7	33.5	188.5	157.6	188.5	157.6	182.6	151.8	216.5		
229.7	-	-	-	-	32.8	169.8	147.7	165.3	147.0	152.9	132.3	26.0	181.9	153.2	181.9	153.2	175.3	146.6	229.7		
242.8	-	-	-	-	26.4	164.2	143.7	159.8	142.6	147.3	128.2	19.1	175.3	148.8	175.3	148.8	168.4	142.2	242.8		
255.9	-	-	-	-	20.1	159.8	140.0	155.4	138.9	142.2	124.6	12.8	168.7	144.4	168.7	144.4	162.8	138.2	255.9		
265.7	-	-	-	-	16.0	156.0	137.2	152.1	136.7	138.9	121.7	8.6	165.3	141.9	165.1	141.5	158.9	135.4	265.7		
269.0	-	-	-	-	14.6	154.7	136.3	151.0	136.0	137.8	120.8	-	163.9	141.1	163.7	140.7	157.6	134.5	269.0		
282.2	-	-	-	-	9.4	149.9	132.3	146.6	132.6	133.7	117.9	-	158.7	137.4	158.7	137.4	152.5	131.5	282.2		
285.4	-	-	-	-	8.2	148.8	131.2	145.5	131.7	132.8	117.4	-	157.6	136.7	157.6	136.7	151.2	130.8	285.4		
295.3	-	-	-	-	-	143.3	129.0	142.2	129.0	130.1	115.7	-	154.3	134.5	154.3	134.5	145.1	128.6	295.3		
308.4	-	-	-	-	-	137.4	126.0	137.1	126.0	126.4	112.8	-	146.2	131.5	145.5	131.5	135.6	125.7	308.4		
321.5	-	-	-	-	-	130.4	123.5	129.7	123.1	120.9	110.7	-	138.2	129.0	137.1	129.0	126.8	123.9	321.5		
334.6	-	-	-	-	-	122.4	121.3	120.2	120.2	113.5	109.3	-	130.1	126.8	129.0	126.8	118.7	118.7	334.6		
347.8	-	-	-	-	-	111.5	111.3	109.0	109.6	102.7	103.4	-	120.5	122.4	118.7	120.2	111.3	111.3	347.8		
357.6	-	-	-	-	-	103.2	-	100.5	-	94.6	-	-	112.4	-	110.2	-	106.0	-	357.6		

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_10:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5											
374.0 ft																					
LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12		LSL+LF_14							
39.4 ft																					
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb											
15°		20°		30°		15°		20°		15°		20°		15°		20°					
ft		1,000 lb																		ft	
52.5	280.0	291.0	-	-	-	-	-	302.0	-	324.1	-	352.7	363.8	-	374.8	-	385.8	-	392.4	-	52.5
55.8	280.0	291.0	273.4	-	286.6	297.6	255.7	302.0	262.4	324.1	255.7	352.7	363.8	286.6	374.8	286.6	385.8	286.6	386.9	282.2	55.8
59.1	280.0	291.0	273.4	-	286.6	297.6	255.7	302.0	262.4	324.1	251.3	352.7	363.8	282.2	374.8	282.2	385.8	282.2	381.4	275.6	59.1
62.3	280.0	289.9	272.3	176.4	286.6	297.6	254.6	300.9	261.2	318.6	246.9	343.9	363.8	277.8	372.6	277.8	378.1	277.8	373.7	271.2	62.3
65.6	280.0	288.8	271.2	174.2	286.6	297.6	253.5	299.8	260.1	313.1	242.5	341.7	363.8	273.4	370.4	273.4	370.4	273.4	366.0	266.8	65.6
72.2	280.0	288.8	262.4	169.8	272.3	294.3	251.3	297.6	257.9	300.9	235.9	310.9	352.7	264.6	356.0	264.6	356.0	264.6	350.5	257.9	72.2
78.7	269.0	286.6	253.5	166.4	264.6	291.0	246.9	295.4	251.3	288.8	227.1	280.0	341.7	255.7	341.7	255.7	341.7	255.7	335.1	249.1	78.7
85.3	246.9	286.6	244.7	162.0	242.5	286.6	242.5	289.9	244.7	278.9	220.5	250.2	329.6	249.1	329.6	249.1	329.6	249.1	323.0	241.4	85.3
91.9	227.1	284.4	238.1	158.7	224.9	282.2	235.9	284.4	238.1	269.0	213.8	220.5	317.5	240.3	317.5	240.3	317.5	240.3	310.9	233.7	91.9
98.4	206.1	282.2	231.5	155.4	206.7	276.7	229.3	280.0	231.5	259.0	207.2	199.5	306.4	233.7	306.4	233.7	306.4	233.7	299.8	228.2	98.4
111.5	170.9	270.4	219.0	148.8	171.4	264.6	217.5	269.0	219.0	241.4	196.2	162.0	286.6	222.7	286.6	222.7	286.6	222.7	280.0	216.6	111.5
124.7	140.7	257.2	207.6	142.9	141.8	250.6	206.5	255.7	208.0	227.4	186.3	133.5	269.7	212.0	269.7	212.0	269.7	212.0	262.4	205.6	124.7
137.8	115.7	242.5	197.3	137.8	116.8	235.9	196.2	242.5	198.4	215.0	177.5	109.3	253.5	201.7	253.5	201.7	253.5	201.7	246.9	195.8	137.8
150.9	97.7	229.3	188.5	133.4	98.9	222.7	186.7	229.3	189.6	203.2	169.4	91.1	240.3	192.9	240.3	192.9	240.3	192.9	233.7	186.3	150.9
164.0	81.6	217.5	180.4	129.0	82.8	209.8	177.8	217.5	181.1	192.9	161.7	75.0	228.5	184.8	228.5	184.8	228.5	184.8	221.9	178.9	164.0
177.2	67.7	207.2	173.1	124.6	68.6	197.3	169.8	207.2	173.1	184.1	154.3	61.1	218.3	177.5	218.3	177.5	218.3	177.5	211.3	172.0	177.2
190.3	56.5	197.7	166.4	120.9	57.4	187.0	162.4	197.7	166.4	176.0	148.4	49.9	208.7	171.6	208.7	171.6	208.7	171.6	201.7	165.3	190.3
203.4	46.4	188.9	160.2	117.6	47.2	174.2	155.8	187.8	160.2	168.3	142.9	39.8	199.2	165.7	199.9	165.7	199.9	165.7	192.9	159.5	203.4
216.5	37.5	180.8	154.3	114.6	37.9	162.0	149.9	179.7	154.3	160.9	137.8	30.9	191.8	159.8	191.8	159.8	191.8	159.8	185.0	154.0	216.5
229.7	31.2	174.2	149.2	112.4	31.6	155.4	145.5	173.1	149.2	155.1	133.4	24.5	184.5	154.7	184.5	154.7	184.5	154.7	177.5	148.8	229.7
242.8	24.8	167.9	144.4	110.2	25.2	147.7	141.5	167.2	144.8	149.5	129.5	18.2	176.4	149.9	177.8	149.9	177.8	149.9	170.9	144.4	242.8
255.9	18.5	162.0	140.0	108.0	18.7	142.2	137.8	162.0	141.1	144.4	125.7	11.9	169.8	145.5	172.0	145.5	172.0	145.5	165.0	140.4	255.9
262.5	15.8	159.5	138.2	107.0	16.0	141.1	134.8	159.8	139.6	142.2	124.2	9.0	166.4	144.4	168.4	144.4	169.0	143.7	162.4	138.5	262.5
269.0	13.1	156.9	136.3	106.0	13.3	140.0	133.0	157.6	138.2	140.0	122.7	-	163.1	142.2	165.8	142.2	166.1	141.8	159.8	136.7	269.0
282.2	7.9	152.1	133.6	104.3	8.2	136.7	130.5	152.9	134.7	135.6	119.8	-	155.8	138.5	160.6	138.5	159.8	138.5	153.2	133.0	282.2
295.3	-	145.5	130.1	102.7	-	132.3	127.9	147.7	131.2	131.2	116.8	-	147.7	135.6	155.4	135.6	153.2	135.6	144.8	129.7	295.3
308.4	-	138.2	127.1	101.5	-	127.1	124.2	138.9	127.5	128.2	113.9	-	140.4	132.6	145.9	132.6	143.7	132.6	134.5	126.8	308.4
315.0	-	134.5	125.7	99.9	-	124.6	122.4	134.5	125.7	126.8	112.4	-	136.7	131.2	141.1	131.2	138.9	131.2	129.3	126.0	315.0
321.5	-	130.4	123.8	-	-	122.0	120.9	130.1	123.5	122.4	111.7	-	133.0	129.0	136.7	129.3	134.5	129.3	124.9	124.2	321.5
334.6	-	122.4	120.2	-	-	116.8	117.9	121.3	119.0	113.5	110.2	-	125.7	124.6	127.9	125.7	125.7	126.8	117.4	117.4	334.6
347.8	-	112.5	112.1	-	-	110.7	110.7	110.8	110.4	103.2	103.6	-	117.6	118.7	119.8	119.8	117.6	118.7	109.6	109.8	347.8
354.3	-	107.6	108.0	-	-	107.6	107.1	105.6	106.0	97.7	98.3	-	113.5	115.7	115.7	116.8	113.5	114.6	106.0	106.3	354.3
360.9	-	102.2	-	-	-	102.2	-	100.2	-	92.3	-	-	109.8	-	110.2	-	107.7	-	102.5	-	360.9
367.5	-	96.8	-	-	-	96.8	-	94.8	-	88.2	-	-	106.0	-	104.7	-	101.9	-	99.2	-	367.5

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb				 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5											
		383.9 ft																													
LSL+LF_2				LSL+LF_3				LSL+LF_4				LSL+LF_6				LSL+LF_8				LSL+LF_10				LSL+LF_12				LSL+LF_14			
		0 lb				0 lb – 716.6 klb				0 lb				0 lb – 716.6 klb				0 lb				0 lb – 716.6 klb									
		15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		20°		15°		20°					
ft		1,000 lb																		ft											
52.5	-	-	-	-	-	-	-	293.2	-	317.5	-	341.7	352.7	-	363.8	-	374.8	-	392.4	-	52.5										
55.8	-	-	-	-	277.8	288.8	251.3	293.2	257.9	317.5	257.9	341.7	352.7	288.8	362.7	288.8	374.8	288.8	388.0	282.2	55.8										
59.1	-	-	-	-	277.8	288.8	251.3	293.2	257.9	317.5	253.5	341.7	352.7	284.4	361.6	284.4	374.8	284.4	383.6	277.8	59.1										
65.6	-	-	-	-	277.8	288.8	251.3	293.2	255.7	315.3	244.7	335.1	352.7	273.4	361.6	273.4	372.6	273.4	368.2	269.0	65.6										
72.2	-	-	-	-	266.8	287.7	249.1	292.1	255.7	303.1	235.9	304.2	348.3	264.6	352.7	264.6	358.3	264.6	352.7	260.1	72.2										
78.7	-	-	-	-	262.4	286.6	246.9	291.0	251.3	291.0	229.3	275.6	343.9	257.9	343.9	257.9	343.9	257.9	339.5	251.3	78.7										
85.3	-	-	-	-	240.3	283.3	242.5	287.7	244.7	281.1	220.5	247.5	331.8	249.1	331.8	249.1	331.8	249.1	326.3	243.6	85.3										
91.9	-	-	-	-	220.5	280.0	238.1	284.4	238.1	271.2	215.0	219.4	319.7	242.5	319.7	242.5	319.7	242.5	313.1	235.9	91.9										
98.4	-	-	-	-	202.8	276.7	231.5	280.0	231.5	261.2	209.4	197.9	308.6	235.9	308.6	235.9	308.6	235.9	303.1	229.3	98.4										
111.5	-	-	-	-	168.7	267.9	220.5	271.2	220.5	243.6	198.4	159.8	288.8	224.9	288.8	224.9	288.8	224.9	283.3	217.7	111.5										
124.7	-	-	-	-	139.6	255.0	209.8	260.1	210.2	229.6	188.1	131.1	271.9	214.2	271.9	214.2	271.9	214.2	265.7	207.2	124.7										
137.8	-	-	-	-	114.6	240.3	199.5	246.9	200.6	217.2	178.6	106.7	255.7	203.9	255.7	203.9	255.7	203.9	250.6	197.3	137.8										
150.9	-	-	-	-	96.4	228.5	190.0	235.2	191.8	206.1	170.5	88.5	242.5	195.1	242.5	195.1	242.5	195.1	235.9	188.5	150.9										
164.0	-	-	-	-	80.2	216.8	180.8	222.3	183.7	195.8	163.1	72.3	230.8	187.0	230.8	187.0	230.8	187.0	224.9	180.4	164.0										
177.2	-	-	-	-	65.9	205.0	172.0	211.6	176.4	186.3	156.5	58.2	220.5	179.7	220.5	179.7	220.5	179.7	214.2	173.1	177.2										
190.3	-	-	-	-	54.6	190.3	165.3	201.4	169.0	178.2	150.6	47.2	210.9	173.1	210.9	173.1	210.9	173.1	203.9	166.4	190.3										
203.4	-	-	-	-	44.4	181.1	158.7	192.2	162.4	170.5	145.1	37.1	202.1	166.8	202.1	166.8	202.1	166.8	195.1	160.6	203.4										
216.5	-	-	-	-	35.3	173.1	152.1	184.1	156.5	163.1	140.0	28.0	194.0	160.9	194.0	160.9	194.0	160.9	187.0	154.9	216.5										
229.7	-	-	-	-	28.8	161.7	147.7	176.7	151.4	157.3	135.6	21.7	186.7	156.5	186.7	156.5	186.7	156.5	179.7	149.9	229.7										
242.8	-	-	-	-	22.3	156.2	143.3	170.1	147.0	151.6	131.2	15.4	180.0	152.1	179.9	152.1	180.0	152.1	173.8	145.5	242.8										
255.9	-	-	-	-	15.9	151.0	138.9	164.2	143.3	145.5	126.8	9.0	174.2	147.7	174.2	147.7	174.2	147.7	167.9	141.5	255.9										
269.0	-	-	-	-	10.4	145.9	136.2	159.8	140.0	141.1	123.8	-	168.3	144.0	168.3	144.0	168.3	144.0	162.0	137.8	269.0										
275.6	-	-	-	-	7.7	144.4	134.5	157.6	137.8	138.9	122.4	-	165.3	142.2	165.3	142.2	165.3	142.2	157.3	136.0	275.6										
282.2	-	-	-	-	-	142.2	132.6	154.0	136.3	137.1	120.9	-	161.7	140.4	161.3	140.4	160.6	140.4	152.5	134.1	282.2										
295.3	-	-	-	-	-	137.8	129.0	146.6	133.4	133.4	117.9	-	154.3	136.7	153.2	136.7	151.0	136.7	142.6	130.8	295.3										
308.4	-	-	-	-	-	131.2	124.6	137.1	128.6	129.0	115.0	-	144.8	133.0	143.7	133.7	141.5	133.7	132.3	127.9	308.4										
321.5	-	-	-	-	-	124.9	120.5	128.2	123.5	122.0	112.4	-	135.6	128.2	134.5	129.3	132.3	129.7	123.5	122.6	321.5										
334.6	-	-	-	-	-	119.0	116.8	120.2	116.8	112.4	110.2	-	126.8	122.4	125.7	123.5	123.5	124.6	115.2	115.2	334.6										
347.8	-	-	-	-	-	111.0	110.1	109.9	109.5	102.6	102.3	-	118.7	115.7	117.7	116.8	116.1	116.1	107.4	107.6	347.8										
360.9	-	-	-	-	-	101.8	101.6	97.8	100.7	92.3	92.7	-	110.1	110.1	109.6	110.2	107.1	108.0	100.4	100.5	360.9										
364.2	-	-	-	-	-	99.3	99.0	94.4	98.1	89.7	90.2	-	107.8	108.9	107.0	108.5	104.5	105.8	98.7	98.8	364.2										
374.0	-	-	-	-	-	91.5	-	88.6	-	83.6	-	-	100.8	-	99.4	-	96.6	-	93.8	-	374.0										
377.3	-	-	-	-	-	89.1	-	86.0	-	81.1	-	-	97.9	-	96.6	-	93.7	-	92.2	-	377.3										

 496,000 lb			 36.1 – 68.9 ft			 39.4 ft x 39.4 ft			 32.2 ft/s			360°			ASME B30.5								
 393.7 ft																							
LSL+LF_2				LSL+LF_3				LSL+LF_4		LSL+LF_6		LSL+LF_8				LSL+LF_10		LSL+LF_12		LSL+LF_14			
 39.4 ft																							
 0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb							
 15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																		ft			
52.5	249.1	257.9	-	-	-	-	-	280.0	-	304.2	-	-	-	-	-	-	-	-	-	-	-	-	52.5
55.8	249.1	256.8	246.9	-	266.8	275.6	249.1	280.0	251.3	304.2	257.9	328.5	339.5	-	348.3	-	361.6	-	392.4	-	-	55.8	
59.1	249.1	255.7	246.9	-	266.8	275.6	249.1	280.0	251.3	304.2	253.5	328.5	339.5	284.4	348.3	284.4	361.6	284.4	388.0	277.8	-	59.1	
62.3	248.0	255.7	246.9	177.5	266.8	275.6	249.1	280.0	251.3	304.2	249.1	324.1	339.5	280.0	348.3	280.0	361.6	280.0	379.2	273.4	-	62.3	
65.6	246.9	255.7	246.9	175.3	266.8	275.6	249.1	280.0	251.3	304.2	244.7	324.1	339.5	275.6	348.3	275.6	361.6	275.6	370.4	269.0	-	65.6	
72.2	246.9	253.5	246.9	170.9	257.9	275.6	249.1	280.0	251.3	298.7	238.1	295.4	338.4	266.8	347.2	266.8	353.8	266.8	354.9	260.1	-	72.2	
78.7	246.9	253.5	244.7	167.6	253.5	275.6	246.9	280.0	249.1	293.2	229.3	271.2	337.3	257.9	346.1	257.9	346.1	257.9	341.7	253.5	-	78.7	
85.3	238.1	251.3	244.7	163.1	232.6	271.2	240.3	280.0	242.5	283.3	222.7	244.7	329.6	251.3	334.0	251.3	334.0	251.3	329.6	245.8	-	85.3	
91.9	220.5	249.1	242.5	159.8	217.2	266.8	235.9	280.0	238.1	273.4	217.2	218.3	321.9	244.7	321.9	244.7	321.9	244.7	317.5	238.1	-	91.9	
98.4	202.8	249.1	233.7	156.5	200.1	262.4	229.3	277.8	233.7	264.6	210.5	196.2	312.0	238.1	312.0	238.1	312.0	238.1	306.4	231.5	-	98.4	
111.5	167.6	246.2	222.7	150.6	166.4	252.4	219.0	273.4	222.7	246.9	199.5	157.6	292.1	226.3	292.1	226.3	292.1	226.3	285.5	219.4	-	111.5	
124.7	137.8	241.8	212.0	144.8	137.4	239.6	209.1	264.6	212.7	231.9	189.2	129.0	274.8	215.3	274.8	215.3	274.8	215.3	267.9	208.9	-	124.7	
137.8	113.5	235.9	201.7	138.9	112.4	224.9	199.5	251.3	203.9	219.4	179.7	104.9	260.1	205.0	260.1	205.0	260.1	205.0	252.8	199.2	-	137.8	
150.9	95.3	230.0	192.2	134.5	94.5	212.4	190.0	239.6	195.1	208.3	172.3	86.6	246.9	196.9	246.9	196.9	246.9	196.9	238.1	189.6	-	150.9	
164.0	79.1	221.2	183.7	130.4	78.4	200.6	181.1	226.3	186.7	198.0	165.0	70.3	234.4	188.9	234.4	188.9	234.4	188.9	226.3	182.2	-	164.0	
177.2	65.0	211.6	176.4	126.8	64.2	189.6	173.1	216.1	178.6	188.5	157.6	56.2	222.7	180.8	222.7	180.8	222.7	180.8	216.1	175.3	-	177.2	
190.3	53.9	202.8	169.8	123.1	52.8	179.3	165.0	205.4	172.0	180.4	151.8	45.2	213.1	174.9	213.1	174.9	213.1	174.9	207.2	168.7	-	190.3	
203.4	43.8	193.6	163.5	119.8	42.6	167.9	157.6	196.6	165.3	172.7	146.2	35.1	204.3	169.0	204.3	169.0	204.3	169.0	198.4	162.8	-	203.4	
216.5	34.8	186.3	157.6	116.8	33.5	155.4	151.0	188.5	158.7	165.3	141.1	26.0	196.2	163.1	196.2	163.1	196.2	163.1	189.6	156.9	-	216.5	
229.7	28.5	177.5	152.5	113.9	27.0	148.8	141.5	180.8	154.3	159.5	136.7	19.7	188.9	158.0	188.9	158.0	188.9	158.0	181.9	152.1	-	229.7	
242.8	22.2	171.2	147.7	111.4	20.6	142.2	135.6	174.5	149.2	153.6	132.3	13.4	182.1	153.2	182.2	153.2	181.9	153.2	176.0	147.0	-	242.8	
252.6	17.5	166.8	144.4	109.9	15.7	137.2	132.3	170.1	146.4	149.2	129.8	8.6	177.5	149.9	177.5	149.9	177.7	149.9	171.4	143.5	-	252.6	
255.9	15.9	165.3	143.3	109.3	14.1	135.6	131.2	168.7	145.5	147.7	129.0	-	176.4	148.8	176.4	148.8	176.4	148.8	169.8	142.6	-	255.9	
269.0	10.4	159.2	140.0	107.3	8.4	131.7	126.2	162.6	141.6	143.3	125.3	-	170.5	145.1	170.5	145.1	169.8	145.1	163.1	138.9	-	269.0	
272.3	9.0	157.6	138.9	106.8	-	130.9	125.4	161.2	140.8	142.2	124.4	-	169.0	144.2	169.0	144.2	168.1	144.2	160.2	138.2	-	272.3	
282.2	-	152.5	136.0	105.5	-	127.9	123.5	154.7	138.2	138.9	122.0	-	162.8	141.5	162.4	141.5	160.9	141.5	151.4	136.0	-	282.2	
295.3	-	144.4	132.3	103.8	-	125.7	121.3	144.4	134.5	134.5	119.0	-	153.2	137.8	152.1	137.8	149.9	137.8	140.7	132.7	-	295.3	
308.4	-	137.1	129.3	102.4	-	120.5	119.0	134.8	130.8	127.9	116.1	-	142.9	133.4	141.8	134.1	140.4	135.6	131.2	129.0	-	308.4	
321.5	-	129.3	124.9	101.2	-	115.4	115.7	124.9	123.5	120.6	112.8	-	133.7	127.9	132.6	129.0	131.2	130.4	121.6	121.6	-	321.5	
328.1	-	125.3	122.0	100.8	-	112.8	113.5	119.8	117.9	116.6	110.9	-	129.7	124.6	128.6	125.7	126.8	126.4	116.8	117.9	-	328.1	
334.6	-	121.3	119.0	-	-	110.2	111.3	114.6	112.4	111.3	108.5	-	125.7	121.3	124.6	122.4	122.4	122.4	113.2	114.1	-	334.6	
347.8	-	113.2	112.7	-	-	105.8	107.4	100.4	99.9	101.6	101.1	-	117.7	115.1	116.1	115.7	114.9	114.9	106.0	106.3	-	347.8	
360.9	-	104.2	104.6	-	-	100.8	101.6	89.5	90.9	91.9	92.5	-	109.6	108.2	108.4	108.9	106.8	107.2	99.1	99.4	-	360.9	
370.7	-	96.8	97.2	-	-	94.6	94.4	79.3	82.5	84.7	85.1	-	103.6	103.4	102.3	103.6	99.9	101.0	94.1	94.4	-	370.7	
374.0	-	94.4	-	-	-	92.2	-	76.9	-	82.2	-	-	101.6	-	100.3	-	97.7	-	92.5	-	-	374.0	
383.9	-	87.1	-	-	-	84.9	-	68.6	-	75.8	-	-	93.7	-	92.4	-	89.5	-	87.7	-	-	383.9	

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

 496,000 lb				 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5											
 403.5 ft																															
LSL+LF_2				LSL+LF_3				LSL+LF_4				LSL+LF_6				LSL+LF_8				LSL+LF_10				LSL+LF_12				LSL+LF_14			
 39.4 ft																															
0 lb				0 lb – 716.6 klb				0 lb				0 lb – 716.6 klb				0 lb				0 lb – 716.6 klb											
 15°				20°				30°				15°				20°				15°				20°				 15°			
ft		1,000 lb																ft													
55.8	-	-	-	-	-	-	-	269.0	-	293.2	-	317.5	326.3	-	337.3	-	350.5	-	385.8	-	55.8										
59.1	-	-	-	-	255.7	264.6	244.7	269.0	246.9	293.2	255.7	317.5	326.3	286.6	337.3	286.6	350.5	286.6	385.8	280.0	59.1										
65.6	-	-	-	-	255.7	264.6	244.7	269.0	246.9	293.2	246.9	315.3	326.3	275.6	337.3	275.6	350.5	275.6	372.6	271.2	65.6										
72.2	-	-	-	-	250.2	264.6	244.7	269.0	246.9	293.2	238.1	287.7	325.2	269.0	336.2	269.0	349.4	269.0	357.1	262.4	72.2										
78.7	-	-	-	-	249.1	264.6	244.7	269.0	246.9	293.2	231.5	266.8	324.1	260.1	335.1	260.1	348.3	260.1	343.9	253.5	78.7										
85.3	-	-	-	-	228.2	263.5	240.3	267.9	242.5	284.4	224.9	240.9	324.1	253.5	329.6	253.5	336.2	253.5	331.8	246.9	85.3										
91.9	-	-	-	-	212.7	262.4	233.7	266.8	238.1	275.6	218.3	215.0	324.1	246.9	324.1	246.9	324.1	246.9	319.7	240.3	91.9										
98.4	-	-	-	-	195.7	259.0	229.3	266.8	233.7	266.8	211.6	193.5	314.2	240.3	314.2	240.3	314.2	240.3	308.6	233.7	98.4										
111.5	-	-	-	-	163.1	253.5	221.2	265.7	224.9	250.2	200.6	155.4	295.4	228.5	295.4	228.5	295.4	228.5	288.8	221.6	111.5										
124.7	-	-	-	-	135.2	244.7	212.0	259.4	215.7	235.2	190.7	126.7	278.5	217.5	278.5	217.5	278.5	217.5	271.2	210.5	124.7										
137.8	-	-	-	-	110.2	231.5	201.7	249.1	206.1	220.5	181.9	102.3	262.4	207.2	262.4	207.2	262.4	207.2	255.7	200.6	137.8										
150.9	-	-	-	-	92.0	220.5	192.9	240.3	198.0	210.2	173.8	83.9	249.1	198.4	249.1	198.4	249.1	198.4	242.5	191.8	150.9										
164.0	-	-	-	-	75.8	209.4	184.5	230.8	190.0	200.3	166.4	67.7	236.6	190.3	236.6	190.3	236.6	190.3	230.8	183.7	164.0										
177.2	-	-	-	-	61.5	198.4	176.4	220.5	181.9	190.7	159.8	53.6	224.9	183.0	224.9	183.0	224.9	183.0	219.7	176.4	177.2										
190.3	-	-	-	-	50.2	184.5	169.0	210.5	175.3	182.6	154.0	42.4	216.1	176.4	216.1	176.4	216.1	176.4	209.4	169.8	190.3										
203.4	-	-	-	-	39.9	172.3	161.3	200.6	168.7	174.9	148.1	32.3	207.2	170.1	207.2	170.1	207.2	170.1	200.6	163.9	203.4										
216.5	-	-	-	-	30.6	164.2	153.2	191.8	162.0	167.6	142.2	23.4	198.4	164.2	198.4	164.2	198.4	164.2	192.5	158.5	216.5										
229.7	-	-	-	-	23.1	154.7	148.1	183.7	156.9	160.9	137.8	17.0	191.1	159.8	191.1	159.8	191.1	159.8	185.2	153.2	229.7										
242.8	-	-	-	-	16.7	148.1	141.5	175.6	152.1	155.2	133.7	10.5	184.5	154.9	184.1	154.7	183.9	155.4	178.6	148.8	242.8										
246.1	-	-	-	-	15.3	146.6	139.6	173.6	151.0	153.9	132.8	8.8	183.0	153.5	182.7	153.5	182.5	154.3	176.9	147.7	246.1										
255.9	-	-	-	-	11.2	142.2	135.6	167.6	147.7	149.9	130.1	-	178.6	151.0	178.6	151.0	178.6	151.0	170.5	144.4	255.9										
262.5	-	-	-	-	8.4	139.1	133.7	163.4	145.3	147.3	128.2	-	174.9	148.8	174.5	148.8	173.8	148.8	165.7	142.2	262.5										
269.0	-	-	-	-	-	137.3	131.9	159.4	142.6	144.8	126.4	-	171.2	146.6	170.5	146.6	169.0	146.6	160.9	140.0	269.0										
282.2	-	-	-	-	-	133.4	128.2	149.2	136.3	140.4	123.1	-	162.0	142.9	160.9	142.9	158.7	142.9	149.2	137.1	282.2										
295.3	-	-	-	-	-	130.1	126.8	136.7	129.0	136.7	120.2	-	151.0	140.0	149.9	140.0	147.7	140.0	138.2	134.1	295.3										
308.4	-	-	-	-	-	124.9	122.4	122.0	120.9	127.1	117.2	-	140.7	134.8	139.6	135.6	138.2	135.6	129.0	129.0	308.4										
321.5	-	-	-	-	-	119.4	117.6	109.7	111.7	117.9	114.3	-	131.5	128.6	130.4	129.7	129.0	129.0	119.4	120.2	321.5										
334.6	-	-	-	-	-	113.5	112.4	97.7	103.6	110.2	108.2	-	123.5	121.3	122.4	122.4	120.2	120.2	111.3	111.8	334.6										
347.8	-	-	-	-	-	107.5	108.0	84.6	89.8	100.5	100.2	-	115.2	113.5	114.2	114.2	112.8	113.0	103.8	104.1	347.8										
360.9	-	-	-	-	-	100.2	100.5	73.9	78.5	91.0	91.4	-	108.0	106.6	106.8	106.8	105.2	105.5	96.8	97.2	360.9										
374.0	-	-	-	-	-	91.5	91.1	64.2	65.5	81.6	82.0	-	101.4	99.4	99.9	99.9	97.0	97.9	90.2	90.5	374.0										
380.6	-	-	-	-	-	86.8	86.4	58.4	61.1	77.0	77.4	-	96.2	95.7	94.8	95.5	91.9	92.6	87.1	87.3	380.6										
387.1	-	-	-	-	-	82.1	-	52.7	-	73.2	-	-	91.1	-	89.6	-	86.9	-	84.0	-	387.1										
393.7	-	-	-	-	-	77.8	-	47.0	-	68.3	-	-	86.0	-	84.4	-	81.8	-	81.1	-	393.7										


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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5																			
		413.4 ft																											
		LSL+LF_2			LSL+LF_3			LSL+LF_4			LSL+LF_6			LSL+LF_8			LSL+LF_10			LSL+LF_12			LSL+LF_14						
		39.4 ft																											
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb													
		15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																								ft			
55.8	217.2	222.7	-	-	-	-	-	242.5	-	273.4	-	295.4	302.0	-	313.1	-	343.9	-	377.0	-	55.8								
59.1	217.2	222.7	218.3	-	231.5	240.3	233.7	242.5	233.7	273.4	255.7	295.4	302.0	286.6	313.1	286.6	343.9	286.6	377.0	280.0	59.1								
65.6	217.2	220.5	217.2	176.4	231.5	240.3	233.7	242.5	233.7	273.4	246.9	295.4	302.0	277.8	313.1	277.8	343.9	277.8	374.8	271.2	65.6								
72.2	216.1	220.5	216.1	172.0	231.5	239.2	233.7	241.4	233.7	273.4	240.3	275.6	302.0	269.0	313.1	269.0	342.8	269.0	359.4	262.4	72.2								
78.7	216.1	220.5	216.1	167.6	231.5	238.1	233.7	240.3	233.7	273.4	231.5	264.6	302.0	262.4	313.1	262.4	341.7	262.4	346.1	255.7	78.7								
85.3	213.8	219.4	219.4	150.0	164.2	220.5	238.1	231.5	239.2	231.5	273.4	224.9	240.3	302.0	253.5	313.1	253.5	335.1	253.5	334.0	248.0	85.3							
91.9	210.5	218.3	213.8	160.9	213.8	238.1	231.5	238.1	231.5	273.4	219.4	216.1	302.0	246.9	313.1	246.9	328.5	246.9	321.9	240.3	91.9								
98.4	198.4	216.1	212.7	157.6	197.3	237.0	229.3	237.0	229.3	266.8	213.8	194.6	300.9	240.3	309.7	240.3	317.5	240.3	310.9	233.7	98.4								
111.5	165.3	213.1	209.8	151.8	165.9	233.7	227.8	234.8	226.3	252.4	202.8	156.5	294.3	228.5	297.6	228.5	297.6	228.5	291.0	222.1	111.5								
124.7	136.3	210.5	205.8	146.2	138.5	229.3	224.5	230.8	222.3	237.4	192.5	127.7	280.7	217.9	280.7	217.9	280.7	217.9	274.5	212.2	124.7								
137.8	111.3	206.1	200.6	141.1	113.5	224.9	219.4	224.9	217.2	222.7	183.0	103.2	264.6	208.3	264.6	208.3	264.6	208.3	259.4	202.5	137.8								
150.9	93.4	201.7	194.7	136.7	95.2	220.5	215.0	219.0	203.3	212.4	174.9	84.8	251.3	200.3	251.3	200.3	251.3	200.3	244.7	192.9	150.9								
164.0	77.4	197.3	187.8	132.3	78.9	215.3	210.2	213.1	199.9	202.5	167.6	68.6	238.8	192.2	238.8	192.2	238.8	192.2	233.0	185.6	164.0								
177.2	63.3	192.9	179.7	127.9	64.6	209.4	205.0	207.2	191.8	192.9	160.9	54.7	227.1	184.1	227.1	184.1	227.1	184.1	221.9	178.6	177.2								
190.3	52.1	185.6	173.1	124.2	53.3	201.4	194.7	195.1	184.5	184.1	155.1	43.5	218.3	178.2	218.3	178.2	218.3	178.2	211.6	172.0	190.3								
203.4	42.0	179.7	166.8	120.9	43.1	195.5	185.6	185.6	177.8	176.4	149.5	33.4	209.8	172.3	209.8	172.3	209.8	172.3	202.8	165.3	203.4								
216.5	33.1	173.1	160.9	117.9	34.0	189.6	179.7	177.5	172.0	169.8	144.4	24.3	201.7	166.4	201.7	166.4	201.7	166.4	194.7	159.5	216.5								
229.7	25.6	163.9	155.1	115.0	26.3	180.4	172.3	170.9	163.9	163.1	139.3	16.8	194.4	161.3	194.4	161.3	194.0	161.2	187.4	154.3	229.7								
242.8	19.2	157.3	148.4	112.4	19.8	173.4	164.6	161.7	157.3	157.1	135.6	10.6	187.4	156.5	187.0	156.5	187.4	156.5	180.8	149.9	242.8								
249.3	16.5	153.6	145.9	111.3	17.2	169.4	161.7	159.1	153.6	154.3	133.4	8.2	184.1	154.3	183.7	154.3	184.1	154.3	177.5	147.7	249.3								
255.9	13.9	151.0	143.3	110.2	14.6	166.4	158.7	156.5	151.0	152.1	131.2	-	180.8	152.1	180.8	152.1	180.8	152.1	171.2	145.9	255.9								
269.0	8.4	145.5	138.2	108.6	8.8	160.9	153.2	150.6	146.6	147.0	127.5	-	172.7	147.7	172.0	147.7	169.0	147.7	158.7	142.2	269.0								
282.2	-	140.0	132.6	106.7	-	154.3	148.4	145.5	141.8	142.2	124.2	-	162.8	144.0	162.0	144.0	157.3	144.0	147.0	138.5	282.2								
295.3	-	134.5	126.8	104.9	-	145.5	143.3	141.1	138.9	137.8	121.3	-	151.0	141.1	151.0	141.1	145.5	141.1	136.0	133.8	295.3								
308.4	-	127.9	122.4	103.5	-	136.0	136.0	134.5	133.7	129.7	118.3	-	141.5	136.7	140.7	136.7	136.0	134.5	125.7	126.8	308.4								
321.5	-	121.6	117.6	102.1	-	127.1	127.9	127.1	127.1	121.6	115.7	-	132.3	130.8	131.5	130.8	126.8	126.8	116.8	117.2	321.5								
334.6	-	115.7	112.4	101.0	-	119.0	119.0	119.0	119.0	113.5	113.5	-	123.5	123.5	123.5	123.5	117.9	119.0	108.7	108.8	334.6								
344.5	-	110.9	108.8	93.0	-	113.9	114.0	113.6	113.8	107.1	107.4	-	117.9	117.9	117.1	117.1	112.5	113.3	103.1	103.2	344.5								
347.8	-	109.3	107.6	-	-	112.1	112.3	111.8	112.0	105.0	105.3	-	116.1	116.1	115.2	115.2	110.7	111.4	101.2	101.4	347.8								
360.9	-	103.0	102.7	-	-	105.0	104.8	104.5	104.9	96.2	96.6	-	109.2	108.7	108.2	107.9	103.8	104.1	94.1	94.5	360.9								
374.0	-	96.1	96.8	-	-	96.3	96.1	95.5	95.9	87.1	87.5	-	102.7	101.2	102.1	101.0	96.8	97.4	87.5	87.8	374.0								
387.1	-	87.5	87.7	-	-	87.5	87.1	86.6	87.1	78.3	78.7	-	94.3	93.7	93.5	93.5	86.9	87.5	81.1	81.4	387.1								
400.3	-	78.7	-	-	-	78.7	-	77.8	-	70.8	-	-	84.7	-	83.6	-	77.2	-	75.4	-	400.3								

 496,000 lb				 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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55.8	-	-	-	-	-	-	-	231.5	-	260.1	-	284.4	291.0	-	302.0	-	330.7	-	363.8	-	396.9	-	430.0	-	463.1	-	496.2	-	529.3	-	562.4	-	595.5	-	628.6	-	661.7	-	694.8	-	727.9	-	761.0	-	794.1	-	827.2	-	860.3	-	893.4	-	926.5	-	959.6	-	992.7	-	1025.8	-	1058.9	-	1092.0	-	1125.1	-	1158.2	-	1191.3	-	1224.4	-	1257.5	-	1290.6	-	1323.7	-	1356.8	-	1389.9	-	1423.0	-	1456.1	-	1489.2	-	1522.3	-	1555.4	-	1588.5	-	1621.6	-	1654.7	-	1687.8	-	1720.9	-	1754.0	-	1787.1	-	1820.2	-	1853.3	-	1886.4	-	1919.5	-	1952.6	-	1985.7	-	2018.8	-	2051.9	-	2085.0	-	2118.1	-	2151.2	-	2184.3	-	2217.4	-	2250.5	-	2283.6	-	2316.7	-	2349.8	-	2382.9	-	2416.0	-	2449.1	-	2482.2	-	2515.3	-	2548.4	-	2581.5	-	2614.6	-	2647.7	-	2680.8	-	2713.9	-	2747.0	-	2780.1	-	2813.2	-	2846.3	-	2879.4	-	2912.5	-	2945.6	-	2978.7	-	3011.8	-	3044.9	-	3078.0	-	3111.1	-	3144.2	-	3177.3	-	3210.4	-	3243.5	-	3276.6	-	3309.7	-	3342.8	-	3375.9	-	3409.0	-	3442.1	-	3475.2	-	3508.3	-	3541.4	-	3574.5	-	3607.6	-	3640.7	-	3673.8	-	3706.9	-	3740.0	-	3773.1	-	3806.2	-	3839.3	-	3872.4	-	3905.5	-	3938.6	-	3971.7	-	4004.8	-	4037.9	-	4071.0	-	4104.1	-	4137.2	-	4170.3	-	4203.4	-	4236.5	-	4269.6	-	4302.7	-	4335.8	-	4368.9	-	4402.0	-	4435.1	-	4468.2	-	4501.3	-	4534.4	-	4567.5	-	4600.6	-	4633.7	-	4666.8	-	4699.9	-	4733.0	-	4766.1	-	4799.2	-	4832.3	-	4865.4	-	4898.5	-	4931.6	-	4964.7	-	4997.8	-	5030.9	-	5064.0	-	5097.1	-	5130.2	-	5163.3	-	5196.4	-	5229.5	-	5262.6	-	5295.7	-	5328.8	-	5361.9	-	5395.0	-	5428.1	-	5461.2	-	5494.3	-	5527.4	-	5560.5	-	5593.6	-	5626.7	-	5659.8	-	5692.9	-	5726.0	-	5759.1	-	5792.2	-	5825.3	-	5858.4	-	5891.5	-	5924.6	-	5957.7	-	5990.8	-	6023.9	-	6057.0	-	6090.1	-	6123.2	-	6156.3	-	6189.4	-	6222.5	-	6255.6	-	6288.7	-	6321.8	-	6354.9	-	6388.0	-	6421.1	-	6454.2	-	6487.3	-	6520.4	-	6553.5	-	6586.6	-	6619.7	-	6652.8	-	6685.9	-	6719.0	-	6752.1	-	6785.2	-	6818.3	-	6851.4	-	6884.5	-	6917.6	-	6950.7	-	6983.8	-	7016.9	-	7050.0	-	7083.1	-	7116.2	-	7149.3	-	7182.4	-	7215.5	-	7248.6	-	7281.7	-	7314.8	-	7347.9	-	7381.0	-	7414.1	-	7447.2	-	7480.3	-	7513.4	-	7546.5	-	7579.6	-	7612.7	-	7645.8	-	7678.9	-	7712.0	-	7745.1	-	7778.2	-	7811.3	-	7844.4	-	7877.5	-	7910.6	-	7943.7	-	7976.8	-	8009.9	-	8043.0	-	8076.1	-	8109.2	-	8142.3	-	8175.4	-	8208.5	-	8241.6	-	8274.7	-	8307.8	-	8340.9	-	8374.0	-	8407.1	-	8440.2	-	8473.3	-	8506.4	-	8539.5	-	8572.6	-	8605.7	-	8638.8	-	8671.9	-	8705.0	-	8738.1	-	8771.2	-	8804.3	-	8837.4	-	8870.5	-	8903.6	-	8936.7	-	8969.8	-	9002.9	-	9036.0	-	9069.1	-	9102.2	-	9135.3	-	9168.4	-	9201.5	-	9234.6	-	9267.7	-	9300.8	-	9333.9	-	9367.0	-	9400.1	-	9433.2	-	9466.3	-	9499.4	-	9532.5	-	9565.6	-	9598.7	-	9631.8	-	9664.9	-	9698.0	-	9731.1	-	9764.2	-	9797.3	-	9830.4	-	9863.5	-	9896.6	-	9929.7	-	9962.8	-	9995.9	-	10029.0	-	10062.1	-	10095.2	-	10128.3	-	10161.4	-	10194.5	-	10227.6	-	10260.7	-	10293.8	-	10326.9	-	10360.0	-	10393.1	-	10426.2	-	10459.3	-	10492.4	-	10525.5	-	10558.6	-	10591.7	-	10624.8	-	10657.9	-	10691.0	-	10724.1	-	10757.2	-	10790.3	-	10823.4	-	10856.5	-	10889.6	-	10922.7	-	10955.8	-	10988.9	-	11022.0	-	11055.1	-	11088.2	-	11121.3	-	11154.4	-	11187.5	-	11220.6	-	11253.7	-	11286.8	-	11319.9	-	11353.0	-	11386.1	-	11419.2	-	11452.3	-	11485.4	-	11518.5	-	11551.6	-	11584.7	-	11617.8	-	11650.9	-	11684.0	-	11717.1	-	11750.2	-	11783.3	-	11816.4	-	11849.5	-	11882.6	-	11915.7	-	11948.8	-	11981.9	-	12015.0	-	12048.1	-	12081.2	-	12114.3	-	12147.4	-	12180.5	-	12213.6	-	12246.7	-	12279.8	-	12312.9	-	12346.0	-	12379.1	-	12412.2	-	12445.3	-	12478.4	-	12511.5	-	12544.6	-	12577.7	-	12610.8	-	12643.9	-	12677.0	-	12710.1	-	12743.2	-	12776.3	-	12809.4	-	12842.5	-	12875.6	-	12908.7	-	12941.8	-	12974.9	-	13008.0	-	13041.1	-	13074.2	-	13107.3	-	13140.4	-	13173.5	-	13206.6	-	13239.7	-	13272.8	-	13305.9	-	13339.0	-	13372.1	-	13405.2	-	13438.3	-	13471.4	-	13504.5	-	13537.6	-	13570.7	-	13603.8	-	13636.9	-	13670.0	-	13703.1	-	13736.2	-	13769.3	-	13802.4	-	13835.5	-	13868.6	-	13901.7	-	13934.8	-	13967.9	-	14001.0	-	14034.1	-	14067.2	-	14100.3	-	14133.4	-	14166.5	-	14199.6	-	14232.7	-	14265.8	-	14298.9	-	14332.0	-	14365.1	-	14398.2	-	14431.3	-	14464.4	-	14497.5	-	14530.6	-	14563.7	-	14596.8	-	14629.9	-	14663.0	-	14696.1	-	14729.2	-	14762.3	-	14795.4	-	14828.5	-	14861.6	-	14894.7	-	14927.8	-	14960.9	-	14994.0	-	15027.1	-	15060.2	-	15093.3	-	15126.4	-	15159.5	-	15192.6	-	15225.7	-	15258.8	-	15291.9	-	15325.0	-	15358.1	-	15391.2	-	15424.3	-	15457.4	-	15490.5	-	15523.6	-	15556.7	-	15589.8	-	15622.9	-	15656.0	-	15689.1	-	15722.2	-	15755.3	-	15788.4	-	15821.5	-	15854.6	-	15887.7	-	15920.8	-	15953.9	-	15987.0	-	16020.1	-	16053.2	-	16086.3	-	16119.4	-	16152.5	-	16185.6	-	16218.7	-	16251.8	-	16284.9	-	16318.0	-	16351.1	-	16384.2	-	16417.3	-	16450.4	-	16483.5	-	16516.6	-	16549.7	-	16582.8	-	16615.9	-	16649.0	-	16682.1	-	16715.2	-	16748.3	-	16781.4	-	16814.5	-	16847.6	-	16880.7	-	16913.8	-	16946.9	-	16980.0	-	17013.1	-	17046.2	-	17079.3	-	17112.4	-	17145.5	-	17178.6	-	17211.7	-	17244.8	-	17277.9	-	17311.0	-	17344.1	-	17377.2	-	17410.3	-	17443.4	-	17476.5	-	17509.6	-	17542.7	-	17575.8	-	17608.9	-	17642.0	-	17675.1	-	17708.2	-	17741.3	-	17774.4	-	17807.5	-	17840.6	-	17873.7	-	17906.8	-	17939.9	-	17973.0	-	18006.1	-	18039.2	-	18072.3	-	18105.4	-	18138.5	-	18171.6	-	18204.7	-	18237.8	-	18270.9	-	18304.0	-	18337.1	-	18370.2	-	18403.3	-	18436.4	-	18469.5	-	18502.6	-	18535.7	-	18568.8	-	18601.9	-	18635.0	-	18668.1	-	18701.2	-	18734.3	-	18767.4	-	18800.5	-	18833.6	-	18866.7	-	18899.8	-	18932.9	-	18966.0	-	19000.0	-	19033.0	-	19066.0	-	19099.0	-	19132.0	-	19165.0	-	19198.0	-	19231.0	-	19264.0	-	19297.0	-	19330.0	-	19363.0	-	19396.0	-	19429.0	-	19462.0	-	19495.0	-	19528.0	-	19561.0	-	19594.0	-	19627.0	-	19660.0	-	19693.0	-	19726.0	-	19759.0	-	19792.0	-	19825.0	-	19858.0	-	19891.0	-	19924.0	-	19957.0	-	19990.0	-	20023.0	-	20056.0	-	20089.0	-	20122.0	-	20155.0	-	20188.0	-	20221.0	-	20254.0	-	20287.0	-	20320.0	-	20353.0	-	20386.0	-	20419.0	-	20452.0	-	20485.0	-	20518.0	-	20551.0	-	20584.0	-	20617.0	-	20650.0	-	20683.0	-	20716.0	-	20749.0	-	20782.0	-	20815.0	-	20848.0	-	20881.0	-	20914.0	-	20947.0	-	20980.0	-	21013.0	-	21046.0	-	21079.0	-	21112.0	-	21145.0	-	21178.0	-	21211.0	-	21244.0	-	21277.0	-	21310.0	-	21343.0	-	21376.0	-	21409.0	-	21442.0	-	21475.0	-	21508.0	-	21541.0	-	21574.0	-	21607.0	-	21640.0	-	21673.0	-	21706.0	-	21739.0	-	21772.0	-	21805.0	-	21838.0	-	21871.0	-	21904.0	-	21937.0	-	21970.0	-	22003.0	-	22036.0	-	22069.0	-	22102.0	-	22135.0	-	22168.0	-	22201.0	-	22234.0	-	22267.0	-	22300.0	-	22333.0	-	22366.0	-	22399.0	-	22432.0	-	22465.0	-	22498.0	-	22531.0	-	22564.0	-	22597.0	-	22630.0	-	22663.0	-	22696.0	-	22729.0	-	22762.0	-	22795.0	-	22828.0	-	22861.0	-	22894.0	-	22927.0	-	22960.0	-	22993.0	-	23026.0	-	23059.0	-	23092.0	-	23125.0	-	23158.0	-	23191.0	-	23224.


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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft
 LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft
 LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5											
433.1 ft																					
LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12		LSL+LF_14							
39.4 ft																					
0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb							
15°		20°		30°		15°		20°		15°		20°		15°		20°					
ft		1,000 lb																		ft	
55.8	189.6	195.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.8		
59.1	189.6	195.1	190.7	-	211.6	219.4	216.1	220.5	216.1	246.9	240.3	271.2	277.8	-	288.8	-	317.5	-	348.3	-	59.1
62.3	189.0	194.6	190.7	-	211.6	219.4	216.1	220.5	216.1	246.9	240.3	271.2	277.8	271.2	288.8	280.0	317.5	280.0	348.3	277.8	62.3
65.6	188.5	194.0	190.7	175.3	211.6	219.4	216.1	220.5	216.1	246.9	240.3	271.2	277.8	271.2	288.8	280.0	317.5	280.0	348.3	273.4	65.6
72.2	188.5	192.9	189.6	173.1	211.6	218.8	215.0	220.5	216.1	246.9	240.3	260.1	277.8	271.2	288.8	271.2	317.5	271.2	348.3	264.6	72.2
78.7	188.5	192.9	188.5	168.7	211.6	218.3	215.0	220.5	216.1	246.9	233.7	255.7	277.8	264.6	288.8	264.6	317.5	264.6	348.3	257.9	78.7
85.3	187.4	190.7	187.4	165.3	207.2	217.2	213.8	219.4	215.0	245.8	227.1	233.7	276.7	255.7	287.7	255.7	315.3	255.7	337.3	250.2	85.3
91.9	186.3	189.6	186.3	162.0	206.1	216.1	212.7	218.3	213.8	244.7	220.5	211.6	275.6	249.1	286.6	249.1	315.3	249.1	326.3	242.5	91.9
98.4	185.2	188.5	185.2	158.7	190.1	215.0	211.6	217.2	212.7	243.6	216.1	190.1	274.5	242.5	286.6	242.5	313.1	242.5	316.4	237.0	98.4
111.5	158.0	185.9	183.4	152.9	160.4	213.3	209.4	215.0	211.3	242.5	205.0	152.1	272.3	232.2	284.4	232.2	302.0	232.2	296.5	226.0	111.5
124.7	134.2	183.4	181.5	147.3	134.3	210.9	206.1	212.0	208.7	237.4	195.1	123.3	269.0	221.9	277.8	221.9	285.1	221.9	278.9	215.0	124.7
137.8	109.3	179.7	178.6	142.2	109.6	207.2	201.7	208.3	205.0	227.1	186.3	98.8	264.6	211.6	269.0	211.6	269.0	211.6	263.8	205.0	137.8
150.9	91.0	176.0	174.9	137.8	90.9	202.8	197.3	204.7	201.4	216.8	178.2	80.4	254.3	203.6	255.7	203.6	255.7	203.6	249.1	196.2	150.9
164.0	74.7	172.7	171.6	133.4	74.4	198.8	192.9	201.0	197.7	206.9	170.9	64.2	244.0	195.5	244.0	195.5	244.0	195.5	237.4	188.9	164.0
177.2	60.6	169.8	168.7	129.0	60.2	195.1	188.5	197.3	194.0	197.3	164.2	50.0	233.7	187.4	233.7	187.4	233.7	187.4	226.7	181.5	177.2
190.3	49.5	166.8	165.0	126.0	48.9	187.4	179.7	192.5	185.2	188.5	157.6	38.9	224.1	180.8	224.1	180.8	224.1	180.8	217.2	174.2	190.3
203.4	39.3	161.3	160.2	122.7	38.6	180.4	173.8	186.3	178.6	180.4	151.8	28.7	215.0	174.9	215.0	174.9	215.0	174.9	207.6	168.3	203.4
216.5	30.2	157.6	154.3	119.0	29.3	174.2	168.7	181.9	170.9	173.1	146.6	19.6	206.1	169.8	206.1	169.8	206.1	169.8	199.9	162.8	216.5
229.7	22.7	152.5	149.2	116.8	21.8	168.3	160.2	174.5	165.7	167.2	142.2	12.1	198.8	164.6	198.2	164.6	198.4	164.2	191.8	157.6	229.7
236.2	19.0	149.9	146.6	115.7	18.1	165.3	157.6	172.0	163.1	164.2	140.0	8.4	195.1	162.0	195.1	162.0	195.1	162.0	186.3	155.4	236.2
242.8	16.4	147.0	142.2	114.3	15.4	160.6	154.5	168.4	158.4	161.3	137.8	-	191.4	159.5	191.4	159.5	189.6	159.5	180.8	153.2	242.8
255.9	11.2	143.3	137.8	111.3	9.9	155.4	146.6	162.0	153.2	155.4	133.4	-	184.1	154.3	184.1	154.3	178.6	154.3	168.7	148.8	255.9
259.2	9.8	141.5	136.7	111.3	8.4	153.4	145.5	160.9	151.6	154.1	132.5	-	181.0	153.4	180.8	153.4	175.3	153.4	165.3	147.7	259.2
262.5	8.4	140.0	135.6	110.8	-	151.9	144.4	159.8	149.9	152.9	131.5	-	177.8	152.5	177.5	152.5	172.0	152.5	162.0	146.6	262.5
269.0	-	137.8	133.4	109.7	-	149.3	142.2	157.6	147.7	150.3	129.7	-	171.6	150.6	170.9	150.6	165.3	150.6	155.4	144.4	269.0
282.2	-	133.7	127.9	107.8	-	144.0	137.1	150.6	143.3	143.7	126.4	-	159.5	147.0	158.4	147.0	153.2	147.0	142.9	141.1	282.2
295.3	-	130.1	123.5	106.0	-	138.9	133.4	141.1	138.9	135.6	123.5	-	147.7	143.3	146.6	143.3	142.2	143.3	132.6	132.6	295.3
308.4	-	124.9	118.3	104.4	-	130.8	127.5	131.5	130.8	126.0	120.5	-	138.2	136.7	137.1	136.7	132.3	132.7	122.4	122.4	308.4
321.5	-	119.0	113.4	103.0	-	122.7	121.3	122.7	122.7	117.9	117.9	-	129.0	129.0	127.9	129.0	123.5	123.5	112.8	113.6	321.5
334.6	-	112.4	108.7	101.6	-	114.6	114.6	114.6	114.6	109.8	110.2	-	120.2	121.3	119.0	120.2	114.6	114.6	104.7	105.3	334.6
347.8	-	106.7	103.8	100.6	-	107.6	108.0	107.3	107.6	101.6	102.0	-	113.0	113.5	112.0	112.7	107.1	107.6	96.8	97.2	347.8
357.6	-	102.3	100.2	99.9	-	102.4	102.7	101.9	102.3	95.2	95.7	-	107.6	107.9	106.8	107.2	101.9	102.3	91.3	91.7	357.6
360.9	-	100.8	98.9	-	-	100.8	100.9	100.2	100.6	93.1	93.5	-	105.9	106.2	105.1	105.5	100.2	100.6	89.5	89.9	360.9
374.0	-	94.8	93.9	-	-	94.1	93.7	93.3	93.7	84.7	85.1	-	99.2	99.4	98.3	98.5	93.5	93.7	82.8	83.3	374.0
387.1	-	87.3	87.3	-	-	85.8	85.6	85.1	85.3	76.4	76.9	-	92.3	91.9	91.3	91.3	85.5	86.1	76.5	76.9	387.1
400.3	-	79.6	80.0	-	-	77.7	77.5	76.9	77.4	68.3	68.8	-	84.4	83.8	83.3	83.5	76.9	77.4	70.7	71.1	400.3
403.5	-	77.6	78.0	-	-	75.7	75.4	75.0	75.4	66.4	66.8	-	82.2	81.6	81.1	81.4	74.6	75.2	69.2	69.7	403.5
413.4	-	71.7	-	-	-	69.7	-	69.0	-	61.3	-	-	75.6	-	74.5	-	67.9	-	64.8	-	413.4
419.9	-	67.7	-	-	-	65.9	-	65.3	-	56.9	-	-	71.0	-	69.9	-	63.5	-	61.7	-	419.9

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

 496,000 lb		 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°		ASME B30.5															
 442.9 ft																															
LSL+LF_2				LSL+LF_3				LSL+LF_4				LSL+LF_6				LSL+LF_8				LSL+LF_10				LSL+LF_12				LSL+LF_14			
 39.4 ft																															
 0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb								0 lb		0 lb – 716.6 klb													
 15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		20°		15°		20°							
ft		1,000 lb																				ft									
59.1	-	-	-	-	-	-	-	211.6	-	233.7	-	257.9	264.6	-	275.6	-	304.2	-	332.9	-	59.1										
62.3	-	-	-	-	202.8	209.4	207.2	211.6	208.3	233.7	229.3	257.9	264.6	260.1	275.6	269.0	304.2	284.4	332.9	280.0	62.3										
65.6	-	-	-	-	202.8	209.4	207.2	211.6	207.2	233.7	229.3	257.9	264.6	260.1	275.6	269.0	304.2	280.0	332.9	275.6	65.6										
72.2	-	-	-	-	202.8	209.4	206.1	211.1	207.2	232.6	229.3	252.4	264.6	260.1	275.6	269.0	304.2	273.4	332.9	266.8	72.2										
78.7	-	-	-	-	202.8	209.4	206.1	210.5	207.2	231.5	229.3	251.3	264.6	260.1	275.6	264.6	304.2	264.6	332.9	257.9	78.7										
85.3	-	-	-	-	200.1	208.3	205.0	209.4	206.1	231.5	227.1	230.4	264.6	257.9	275.6	257.9	303.1	257.9	330.7	251.3	85.3										
91.9	-	-	-	-	199.5	207.2	205.0	208.3	206.1	231.5	222.7	209.4	264.6	251.3	275.6	251.3	302.0	251.3	328.5	244.7	91.9										
98.4	-	-	-	-	184.6	206.7	203.9	207.8	205.0	230.4	217.2	187.9	263.5	244.7	274.5	244.7	302.0	244.7	318.6	238.1	98.4										
111.5	-	-	-	-	157.1	205.0	201.7	206.1	203.6	228.2	206.9	149.9	260.1	233.0	271.2	233.0	298.7	233.0	299.8	226.0	111.5										
124.7	-	-	-	-	131.9	202.8	199.5	203.6	201.7	225.6	196.9	121.0	256.5	222.7	267.5	222.7	288.1	222.7	282.2	216.1	124.7										
137.8	-	-	-	-	106.9	200.6	197.3	200.6	199.5	222.7	187.4	96.1	253.5	213.8	264.6	213.8	273.4	213.8	266.0	207.2	137.8										
150.9	-	-	-	-	88.4	196.9	193.6	197.7	196.6	216.8	179.3	77.7	246.2	205.0	255.7	205.0	260.1	205.0	251.3	198.4	150.9										
164.0	-	-	-	-	71.9	193.6	190.3	194.7	193.3	209.1	172.0	61.5	238.8	196.9	246.2	196.9	247.7	196.9	239.6	190.3	164.0										
177.2	-	-	-	-	57.5	190.7	187.4	191.8	189.6	199.5	165.3	47.4	231.5	189.6	235.9	189.6	235.9	189.6	228.9	183.0	177.2										
190.3	-	-	-	-	46.2	185.9	180.4	188.9	184.8	190.7	159.5	36.1	224.1	183.0	225.6	183.0	225.6	183.0	219.4	176.4	190.3										
203.4	-	-	-	-	35.9	181.1	174.9	183.7	178.9	182.6	153.6	25.9	216.4	176.7	216.4	176.7	216.4	176.7	210.5	170.3	203.4										
216.5	-	-	-	-	26.7	177.5	168.7	180.8	175.3	175.3	147.7	17.0	208.3	170.9	208.3	170.9	208.3	170.9	202.1	164.6	216.5										
229.7	-	-	-	-	19.0	170.1	164.2	172.7	167.6	168.7	143.3	9.3	200.6	165.6	200.6	165.3	201.0	165.8	194.0	158.7	229.7										
242.8	-	-	-	-	12.0	165.3	156.5	168.7	163.1	162.8	138.9	-	192.5	160.9	192.2	160.9	190.3	160.9	179.3	154.3	242.8										
249.3	-	-	-	-	8.8	162.4	154.3	166.4	160.9	160.2	136.7	-	187.8	158.7	187.0	158.7	183.4	158.7	172.0	152.1	249.3										
255.9	-	-	-	-	-	158.7	152.1	164.2	158.7	157.6	134.5	-	183.0	156.5	181.9	156.5	176.4	156.5	165.7	149.9	255.9										
269.0	-	-	-	-	-	154.3	146.6	157.6	152.9	152.5	130.8	-	169.8	152.1	168.7	152.1	163.1	152.1	153.2	145.5	269.0										
282.2	-	-	-	-	-	147.7	142.2	148.8	147.0	144.4	127.5	-	157.3	148.1	156.5	148.1	151.0	147.0	140.7	140.0	282.2										
295.3	-	-	-	-	-	138.9	137.8	137.8	138.9	133.4	124.6	-	145.5	144.4	145.5	144.4	140.0	141.1	129.3	130.4	295.3										
308.4	-	-	-	-	-	129.3	129.0	129.0	129.3	123.7	121.6	-	136.0	135.6	135.2	135.6	130.1	130.8	119.0	120.2	308.4										
321.5	-	-	-	-	-	120.5	120.5	120.5	120.5	115.1	116.0	-	126.8	126.8	125.7	126.8	121.3	121.3	110.4	111.1	321.5										
334.6	-	-	-	-	-	112.4	112.4	112.4	112.4	107.1	107.6	-	117.9	119.0	116.8	117.9	112.4	112.4	102.0	102.4	334.6										
347.8	-	-	-	-	-	105.1	105.2	104.9	105.2	99.4	99.8	-	110.7	111.4	109.8	110.5	104.6	105.1	93.9	94.4	347.8										
360.9	-	-	-	-	-	98.3	98.5	98.1	98.5	91.1	91.6	-	103.8	104.1	102.7	103.2	97.3	97.7	86.9	87.3	360.9										
374.0	-	-	-	-	-	91.7	91.9	91.5	91.9	82.9	83.3	-	97.0	97.4	96.1	96.6	90.4	90.8	80.1	80.5	374.0										
387.1	-	-	-	-	-	84.2	83.9	83.7	84.1	75.0	75.4	-	90.8	91.0	89.7	90.2	83.6	84.0	73.6	74.1	387.1										
400.3	-	-	-	-	-	76.4	76.1	75.9	76.4	67.2	67.5	-	83.4	83.2	82.2	82.7	75.5	76.1	67.9	68.2	400.3										
413.4	-	-	-	-	-	68.8	68.3	68.1	68.6	59.5	59.7	-	74.7	74.1	73.6	73.9	67.0	67.5	62.0	62.6	413.4										
426.5	-	-	-	-	-	61.1	-	60.6	-	51.8	-	-	66.4	-	65.0	-	58.4	-	56.0	-	426.5										


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

LSL+LF_2 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5											
		452.8 ft																			
		LSL+LF_2		LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12		LSL+LF_14					
		39.4 ft																			
		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb									
		15°		20°		30°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																ft			
59.1	-	169.8	-	-	-	-	-	196.2	-	213.8	-	244.7	253.5	-	266.8	-	286.6	-	326.3	-	59.1
62.3	-	169.2	165.3	-	177.5	181.9	178.6	196.2	196.2	213.3	209.4	244.7	252.4	246.9	266.8	260.1	286.6	280.0	326.3	280.0	62.3
65.6	-	168.7	165.3	-	177.5	181.9	178.6	196.2	196.2	212.7	209.4	244.7	251.3	246.9	266.8	260.1	286.6	280.0	326.3	275.6	65.6
68.9	-	168.1	164.8	154.3	177.2	181.3	178.0	196.2	196.2	212.5	208.9	244.2	250.8	246.9	266.8	260.1	286.6	276.7	326.3	271.2	68.9
72.2	-	167.6	164.2	153.2	176.9	180.8	177.5	196.2	196.2	212.2	208.3	243.6	250.2	246.9	266.8	260.1	286.6	273.4	326.3	266.8	72.2
78.7	-	166.4	163.1	153.2	176.4	179.7	176.4	196.2	196.2	211.6	208.3	242.5	249.1	246.9	266.8	260.1	286.6	266.8	326.3	260.1	78.7
85.3	-	165.3	162.0	152.1	175.8	178.6	176.4	196.2	196.2	210.5	207.2	223.8	248.0	246.9	265.7	260.1	285.5	260.1	325.2	253.5	85.3
91.9	-	164.2	160.9	152.1	175.3	177.5	175.3	196.2	196.2	209.4	206.1	205.0	246.9	244.7	264.6	253.5	284.4	253.5	324.1	246.9	91.9
98.4	-	163.1	159.8	151.0	170.9	176.4	173.1	196.2	196.2	208.3	205.0	184.6	246.9	242.5	263.5	246.9	284.4	246.9	317.5	240.3	98.4
111.5	-	160.2	157.6	149.5	157.6	174.2	170.9	196.2	196.2	206.1	202.8	147.7	244.7	233.7	261.2	235.2	283.3	235.2	302.0	228.2	111.5
124.7	-	157.6	155.1	147.0	134.4	171.6	168.3	196.2	195.8	203.6	197.3	118.9	241.0	224.5	258.7	224.5	280.0	224.5	284.4	217.7	124.7
137.8	-	155.4	152.1	143.3	110.0	168.7	165.3	196.2	195.1	200.6	188.5	94.4	238.1	215.0	255.7	215.0	275.6	215.0	269.0	208.3	137.8
150.9	-	152.5	149.2	138.9	91.3	165.7	162.4	195.5	192.2	196.9	180.4	75.8	233.7	206.1	246.9	206.1	261.6	206.1	255.7	199.5	150.9
160.8	76.7	150.3	147.0	135.8	78.4	163.3	160.2	194.2	189.8	194.2	174.7	63.1	230.0	199.9	241.0	199.9	252.8	199.9	245.8	193.5	160.8
164.0	73.2	149.5	146.2	134.8	74.9	162.4	159.5	193.3	188.9	193.3	173.1	59.5	228.5	198.0	239.6	198.0	249.9	198.0	242.5	191.4	164.0
177.2	59.1	146.6	143.3	131.2	60.6	158.7	156.5	189.6	185.2	189.6	166.4	45.4	222.7	190.7	233.7	190.7	238.1	190.7	230.8	184.1	177.2
190.3	47.9	142.9	140.4	127.5	49.3	155.1	152.9	185.6	178.2	185.9	160.6	34.2	219.0	184.1	226.3	184.1	227.8	184.1	220.5	177.5	190.3
203.4	37.8	139.6	137.4	123.8	39.0	151.8	149.5	180.0	173.4	180.0	155.1	24.1	215.0	177.8	218.6	177.8	218.6	177.8	212.4	171.7	203.4
216.5	28.7	136.7	134.5	120.2	29.8	148.8	146.6	176.4	167.6	176.4	149.9	15.0	210.5	172.0	210.5	172.0	210.5	172.0	203.9	166.1	216.5
226.4	23.0	134.5	132.3	118.5	24.1	143.9	141.6	170.3	163.1	170.3	146.1	9.0	205.0	168.7	205.0	168.7	204.8	168.4	197.3	162.2	226.4
229.7	21.2	133.7	131.5	117.9	22.3	142.9	140.7	169.0	162.0	169.0	144.8	-	203.2	167.2	203.2	167.2	203.0	167.0	195.1	160.9	229.7
242.8	14.3	129.7	127.3	115.5	15.3	138.9	137.2	164.2	155.4	163.1	140.4	-	192.9	162.0	192.9	162.0	191.8	162.0	178.9	155.8	242.8
255.9	7.9	125.7	124.6	112.4	8.8	134.5	132.3	158.7	151.0	158.7	136.7	-	179.7	157.6	179.7	157.6	176.4	157.6	163.9	151.4	255.9
259.2	8.2	124.2	123.3	112.0	-	133.7	131.5	157.6	149.2	157.4	135.6	-	176.6	156.5	176.6	156.5	173.4	156.5	160.4	150.5	259.2
269.0	-	121.6	119.4	110.8	-	131.5	129.3	154.3	145.1	153.6	132.3	-	167.2	153.2	167.2	153.2	164.6	153.2	149.9	147.7	269.0
282.2	-	118.7	116.5	108.8	-	126.4	124.2	147.0	141.1	146.2	128.6	-	155.4	149.2	155.1	148.8	152.9	148.1	138.2	138.7	282.2
295.3	-	115.7	113.5	106.5	-	123.5	121.3	136.7	136.7	136.7	125.7	-	144.4	145.5	143.3	144.4	141.1	142.2	127.0	128.1	295.3
308.4	-	111.7	108.5	104.6	-	119.4	117.6	127.1	127.9	127.9	122.7	-	134.8	135.2	133.7	134.1	131.2	132.3	116.8	117.9	308.4
321.5	-	107.6	104.6	103.0	-	116.1	113.5	118.4	119.0	119.0	117.9	-	125.7	125.7	124.6	124.9	122.4	122.4	108.0	108.8	321.5
334.6	-	102.5	100.8	101.6	-	112.4	109.1	110.2	110.2	110.2	111.3	-	116.8	116.8	115.7	116.8	113.5	113.5	99.5	100.1	334.6
347.8	-	97.7	96.7	100.4	-	106.7	104.3	103.2	103.5	103.5	104.1	-	109.3	109.6	108.5	109.2	106.1	106.5	91.5	92.2	347.8
360.9	-	93.1	92.8	98.8	-	100.7	99.5	96.4	96.8	96.0	96.6	-	102.2	102.6	101.5	101.9	98.8	99.3	84.4	85.0	360.9
374.0	-	88.4	88.8	85.3	-	94.4	94.8	89.9	90.2	88.0	88.4	-	95.5	95.9	94.6	95.0	91.9	92.4	77.7	78.1	374.0
387.1	-	83.6	85.0	-	-	88.0	87.7	82.6	83.0	80.3	80.8	-	89.3	89.6	88.3	88.7	85.5	86.0	71.4	71.7	387.1
400.3	-	78.6	79.8	-	-	80.8	80.5	75.3	75.7	72.8	73.2	-	82.6	83.3	81.2	82.0	78.4	78.9	65.6	65.9	400.3
413.4	-	73.2	73.6	-	-	73.4	73.0	67.9	68.3	65.5	65.9	-	74.5	74.5	73.4	74.1	70.3	71.0	60.0	60.4	413.4
419.9	-	69.5	69.9	-	-	69.7	69.4	64.2	64.6	61.8	62.2	-	70.5	69.9	69.4	69.7	66.3	66.8	57.5	57.8	419.9
426.5	-	65.8	-	-	-	66.1	-	60.6	-	58.3	-	-	66.4	-	65.3	-	62.2	-	54.9	-	426.5
436.4	-	60.4	-	-	-	61.1	-	56.4	-	53.6	-	-	60.4	-	59.3	-	56.2	-	51.4	-	436.4
		0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb												

 496,000 lb				 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s				360°				ASME B30.5							
 462.6 ft																											
LSL+LF_2				LSL+LF_3				LSL+LF_4		LSL+LF_6		LSL+LF_8				LSL+LF_10		LSL+LF_12		LSL+LF_14							
 39.4 ft																											
0 lb		0 lb – 716.6 klb				0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb											
15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																				ft					
59.1	-	-	-	-	-	-	-	196.2	-	203.9	-	235.9	240.3	-	251.3	-	273.4	-	310.9	-	59.1						
62.3	-	-	-	-	170.9	175.3	173.1	196.2	196.2	203.4	199.5	235.9	240.3	-	251.3	-	273.4	-	310.9	-	62.3						
65.6	-	-	-	-	170.9	175.3	172.0	196.2	196.2	202.8	199.5	235.9	240.3	235.9	251.3	246.9	273.4	266.8	310.9	275.6	65.6						
72.2	-	-	-	-	170.3	174.2	170.9	196.2	195.1	202.3	199.5	234.8	239.2	235.9	250.2	246.9	273.4	266.8	310.9	269.0	72.2						
78.7	-	-	-	-	169.8	173.1	170.9	196.2	195.1	201.7	198.4	233.7	238.1	235.9	249.1	244.7	273.4	266.8	310.9	260.1	78.7						
85.3	-	-	-	-	168.7	172.0	169.8	196.2	194.0	201.2	198.4	215.5	238.1	235.9	248.0	244.7	272.3	260.1	309.7	253.5	85.3						
91.9	-	-	-	-	167.6	170.9	168.7	196.2	194.0	200.6	197.3	201.7	238.1	233.7	246.9	242.5	271.2	253.5	308.6	246.9	91.9						
98.4	-	-	-	-	165.3	169.8	167.6	196.2	192.9	199.5	196.2	181.9	237.0	233.7	245.8	242.5	271.2	246.9	307.5	241.4	98.4						
111.5	-	-	-	-	152.7	168.1	165.3	195.1	191.4	197.3	194.7	145.5	234.8	230.8	243.6	233.7	270.1	235.2	300.9	229.3	111.5						
124.7	-	-	-	-	130.7	166.1	163.1	193.3	190.0	195.1	192.5	116.6	232.2	224.9	241.0	224.9	267.5	224.9	286.6	218.3	124.7						
137.8	-	-	-	-	107.6	163.1	160.9	191.8	188.5	192.9	189.6	91.7	229.3	216.1	238.1	216.1	264.6	216.1	271.2	209.4	137.8						
150.9	-	-	-	-	88.9	160.2	158.7	188.9	186.3	189.2	182.2	73.3	223.4	208.0	232.2	208.0	254.3	208.0	257.9	200.6	150.9						
164.0	-	-	-	-	72.5	157.6	156.2	186.3	183.7	185.9	174.9	57.0	218.6	199.9	227.1	199.9	243.2	199.9	244.7	193.3	164.0						
177.2	-	-	-	-	58.2	155.4	153.2	184.1	180.8	183.0	167.6	42.8	215.0	191.8	222.7	191.8	235.9	191.8	232.8	185.9	177.2						
190.3	-	-	-	-	46.7	152.5	150.3	180.4	177.5	180.0	161.7	31.6	210.5	185.2	219.0	185.2	226.3	185.2	222.7	178.6	190.3						
203.4	-	-	-	-	36.4	149.5	147.3	176.4	173.1	176.7	156.2	21.5	206.1	178.9	215.0	178.9	218.3	179.2	214.6	172.7	203.4						
216.5	-	-	-	-	27.3	146.6	144.4	174.2	170.9	173.1	151.0	12.3	201.7	173.1	210.5	173.1	209.4	173.1	204.7	167.2	216.5						
223.1	-	-	-	-	23.5	143.7	141.8	169.8	167.2	169.8	148.4	8.4	200.6	170.9	207.5	170.9	205.4	170.5	198.8	164.6	223.1						
229.7	-	-	-	-	19.7	141.8	140.4	167.6	163.5	167.6	145.9	-	197.3	168.3	203.5	168.1	201.4	167.9	192.9	162.0	229.7						
242.8	-	-	-	-	12.6	137.8	136.7	161.8	159.0	161.7	141.5	-	188.5	163.1	192.2	163.1	189.6	163.1	176.7	156.9	242.8						
252.6	-	-	-	-	7.7	135.2	133.0	157.9	156.3	157.8	138.7	-	180.2	159.8	181.1	159.8	178.0	159.8	165.1	153.5	252.6						
255.9	-	-	-	-	-	134.5	132.3	156.5	155.4	156.5	137.8	-	177.5	158.7	177.5	158.7	174.2	158.7	161.5	152.7	255.9						
269.0	-	-	-	-	-	130.4	129.3	152.1	150.6	150.6	134.1	-	165.7	155.1	165.0	155.1	162.4	155.1	147.7	148.8	269.0						
282.2	-	-	-	-	-	127.5	125.3	144.8	144.0	143.3	130.4	-	154.0	149.9	152.9	149.5	150.6	148.8	136.0	136.3	282.2						
295.3	-	-	-	-	-	124.6	122.4	134.5	134.5	134.5	126.8	-	142.2	143.3	141.1	142.2	138.9	140.0	124.2	124.9	295.3						
308.4	-	-	-	-	-	121.3	118.3	124.9	125.7	124.9	123.1	-	132.3	132.7	131.2	132.3	128.8	129.5	113.5	114.6	308.4						
321.5	-	-	-	-	-	117.6	114.6	115.7	116.8	116.1	117.1	-	123.5	123.5	122.4	122.4	119.0	120.2	105.0	105.8	321.5						
334.6	-	-	-	-	-	112.4	110.2	108.2	108.9	108.7	109.1	-	114.6	114.6	113.5	113.5	110.2	111.3	96.8	97.2	334.6						
347.8	-	-	-	-	-	105.3	104.8	101.0	101.4	101.2	101.6	-	106.9	107.4	106.0	106.5	103.3	103.7	88.8	89.3	347.8						
360.9	-	-	-	-	-	98.4	98.8	94.1	94.3	93.7	94.2	-	99.7	100.2	98.8	99.2	96.0	96.3	81.6	82.1	360.9						
374.0	-	-	-	-	-	91.9	92.2	87.5	88.0	86.0	86.4	-	92.8	93.3	91.7	92.2	89.1	89.3	74.8	75.2	374.0						
387.1	-	-	-	-	-	85.8	85.8	80.6	81.1	78.5	78.9	-	86.5	86.9	85.4	85.8	82.7	83.1	68.6	68.8	387.1						
400.3	-	-	-	-	-	79.1	78.6	73.6	74.1	71.1	71.6	-	80.0	80.4	78.9	79.3	76.0	76.4	62.7	63.1	400.3						
413.4	-	-	-	-	-	71.9	71.4	66.6	67.0	63.9	64.4	-	73.2	73.6	71.7	72.5	68.8	69.0	57.2	57.6	413.4						
426.5	-	-	-	-	-	64.8	64.6	59.5	60.0	57.0	57.3	-	65.4	64.6	64.2	64.2	61.0	61.4	52.0	52.5	426.5						
429.8	-	-	-	-	-	63.1	62.8	57.8	58.2	55.8	55.6	-	63.5	62.4	62.3	62.2	59.1	59.5	50.8	51.4	429.8						
439.6	-	-	-	-	-	57.8	-	53.1	-	51.0	-	-	57.7	-	56.4	-	53.1	-	47.1	-	439.6						
442.9	-	-	-	-	-	56.4	-	52.0	-	49.2	-	-	55.8	-	54.5	-	51.1	-	45.9	-	442.9						

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6:

LSL+LF_8 – LSL+LF_12:

LSL+LF_14:

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5											
 472.4 ft																					
LSL+LF_2				LSL+LF_3				LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12		LSL+LF_14			
 39.4 ft																					
 0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb							
 15°		20°		30°		15°		20°		15°		20°		15°		20°		15°		 20°	
ft		1,000 lb																		ft	
62.3	142.2	147.7	144.4	-	-	-	165.3	190.7	-	196.2	-	222.7	229.3	-	238.1	-	260.1	-	295.4	-	62.3
65.6	142.2	146.6	143.3	-	164.2	167.6	164.2	190.7	186.3	196.2	196.2	222.7	227.1	224.9	238.1	233.7	260.1	255.7	295.4	277.8	65.6
68.9	141.6	146.1	142.7	134.5	164.0	167.3	164.2	190.4	186.3	196.2	195.7	222.7	227.1	224.9	237.5	233.7	260.1	255.7	295.4	273.4	68.9
72.2	141.1	145.5	142.2	134.5	163.7	167.0	164.2	190.1	186.3	196.2	195.1	222.7	227.1	224.9	237.0	233.7	260.1	255.7	295.4	269.0	72.2
78.7	141.1	144.4	141.1	133.4	163.1	166.4	163.1	189.6	185.2	196.2	195.1	222.7	227.1	222.7	235.9	233.7	260.1	255.7	295.4	262.4	78.7
85.3	140.0	143.3	140.0	133.4	162.0	165.3	162.0	189.0	185.2	196.2	195.1	208.3	226.0	222.7	235.9	233.7	259.0	255.7	294.3	255.7	85.3
91.9	138.9	142.2	138.9	132.3	162.0	164.2	160.9	188.5	184.1	196.2	194.0	198.4	224.9	222.7	235.9	231.5	257.9	255.7	293.2	249.1	91.9
98.4	137.8	141.1	137.8	131.2	159.8	163.1	159.8	187.4	184.1	196.2	194.0	179.1	224.9	222.7	234.8	231.5	257.9	249.1	293.2	242.5	98.4
111.5	135.6	138.2	135.6	129.0	147.7	160.9	157.6	185.7	182.6	195.7	191.8	143.3	223.8	221.2	232.6	230.0	255.7	237.4	291.0	230.4	111.5
124.7	122.6	135.6	133.0	126.8	128.6	158.4	155.1	184.1	180.8	194.0	190.0	114.4	221.6	219.4	230.0	225.2	252.8	226.7	285.5	220.5	124.7
137.8	105.2	133.4	130.1	124.6	105.8	155.4	152.1	183.0	178.6	191.8	188.5	89.7	219.4	217.2	227.1	217.2	251.3	217.2	274.8	211.3	137.8
150.9	86.8	130.4	127.9	122.4	87.2	152.5	149.2	180.0	175.6	188.9	182.6	71.4	215.0	209.1	222.7	209.1	242.5	209.1	260.1	201.7	150.9
164.0	70.5	127.5	125.3	120.2	70.6	149.2	146.2	177.1	172.7	185.6	176.0	55.0	210.2	201.4	217.9	201.4	234.4	201.4	248.4	194.4	164.0
177.2	56.2	124.6	122.4	117.9	56.2	145.5	143.3	174.2	169.8	181.9	168.7	40.8	205.0	194.0	212.7	194.0	227.1	194.0	237.2	187.4	177.2
190.3	45.0	121.6	119.4	115.7	44.9	142.6	140.4	170.1	166.8	178.2	162.8	29.5	201.4	187.4	208.3	187.4	220.5	187.4	224.9	180.8	190.3
203.4	34.9	118.7	116.8	113.5	34.6	139.6	137.4	166.4	160.2	174.5	157.3	19.3	197.7	181.1	204.3	181.1	210.5	181.1	216.8	174.2	203.4
216.5	25.8	115.7	114.6	111.3	25.4	136.7	134.5	163.1	156.5	170.9	152.1	10.1	194.0	175.3	200.6	175.3	203.9	175.3	205.4	168.3	216.5
219.8	23.9	115.2	113.9	110.7	23.4	135.4	133.6	162.3	154.3	170.1	151.0	8.2	192.9	174.2	199.5	174.2	199.9	174.0	201.7	167.0	219.8
229.7	18.3	113.5	111.7	108.8	17.7	131.5	130.8	159.8	149.9	167.6	147.7	-	190.3	170.2	196.2	170.2	194.7	170.1	190.7	163.1	229.7
242.8	11.4	110.7	109.6	106.5	10.5	128.1	126.1	152.9	144.4	161.7	142.6	-	183.7	165.0	187.8	165.0	185.6	165.0	174.5	158.7	242.8
246.1	9.8	110.1	108.9	105.8	8.8	127.2	125.4	151.6	142.7	160.4	141.6	-	181.3	163.7	184.6	163.7	182.4	163.7	170.5	157.6	246.1
249.3	8.2	109.5	108.2	105.2	-	126.3	124.8	150.3	141.8	159.1	140.7	-	178.9	162.4	181.5	162.4	179.3	162.4	166.4	156.5	249.3
255.9	-	108.2	106.9	103.8	-	124.6	123.5	147.7	140.0	156.5	138.9	-	174.2	159.8	175.3	159.8	173.1	159.8	159.1	154.3	255.9
269.0	-	104.3	102.8	101.3	-	120.5	118.3	142.9	136.3	150.6	135.2	-	163.1	156.2	162.8	156.2	160.6	156.2	145.5	146.6	269.0
282.2	-	101.6	100.1	97.1	-	116.5	115.0	138.2	130.8	142.9	131.5	-	152.1	149.9	151.0	149.9	148.8	148.8	133.7	134.8	282.2
295.3	-	99.0	97.4	94.1	-	113.5	111.3	132.3	127.9	133.4	127.9	-	141.1	141.1	140.0	141.1	137.8	137.8	122.4	123.5	295.3
308.4	-	95.4	93.4	91.6	-	110.9	108.8	122.7	122.0	123.7	122.0	-	130.8	131.2	129.5	130.8	127.5	128.3	112.4	113.5	308.4
321.5	-	92.3	90.0	89.4	-	107.3	105.8	113.8	114.6	114.9	115.1	-	121.3	122.4	120.2	121.3	117.9	119.0	103.6	104.4	321.5
334.6	-	88.6	86.9	87.7	-	104.1	101.6	106.3	106.7	106.5	107.1	-	112.4	113.5	111.3	112.4	109.3	110.0	95.2	95.6	334.6
347.8	-	84.7	84.2	86.3	-	99.6	97.1	98.9	99.4	99.0	99.6	-	105.2	105.7	104.2	104.6	101.6	102.2	87.1	87.5	347.8
360.9	-	81.2	81.5	84.9	-	94.8	92.5	91.8	92.3	91.6	92.1	-	98.0	98.3	96.9	97.3	94.1	94.7	79.9	80.3	360.9
374.0	-	77.8	78.7	83.3	-	89.5	88.0	85.3	85.8	84.0	84.4	-	91.1	91.3	89.9	90.4	87.3	87.7	73.0	73.4	374.0
387.1	-	74.3	76.1	82.5	-	83.9	83.3	78.9	79.3	76.5	77.2	-	84.7	85.0	83.6	84.0	81.0	81.4	66.8	67.2	387.1
400.3	-	70.8	73.4	-	-	77.7	77.5	72.1	72.5	69.5	70.0	-	78.5	78.9	77.3	77.8	74.4	74.8	61.1	61.4	400.3
413.4	-	67.5	70.8	-	-	70.8	70.5	65.3	65.5	62.6	63.1	-	72.3	72.8	71.0	71.7	67.7	67.9	55.6	55.8	413.4
426.5	-	63.9	66.0	-	-	64.0	63.8	58.5	58.7	55.9	56.3	-	64.7	64.2	63.5	63.9	60.4	60.8	50.7	50.9	426.5
436.4	-	60.5	60.8	-	-	58.9	58.6	53.4	53.8	51.3	51.8	-	58.9	57.8	57.9	57.8	55.0	55.3	47.0	48.1	436.4
439.6	-	58.9	-	-	-	57.2	-	51.8	-	50.1	-	-	57.0	-	56.1	-	53.1	-	45.7	-	439.6
452.8	-	52.2	-	-	-	51.4	-	47.0	-	45.4	-	-	49.6	-	48.7	-	45.6	-	40.3	-	452.8
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb													

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5							
482.3 ft																	
LSL+LF_3		LSL+LF_4		LSL+LF_6		LSL+LF_8		LSL+LF_10		LSL+LF_12		LSL+LF_14					
39.4 ft																	
0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb							
15°		20°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb														ft	
62.3	-	-	-	181.9	-	189.6	-	213.8	218.3	-	227.1	-	244.7	-	280.0	-	62.3
65.6	157.6	160.9	158.7	181.9	179.7	189.6	186.3	213.8	218.3	215.0	227.1	222.7	244.7	242.5	280.0	275.6	65.6
72.2	157.1	160.4	157.6	181.3	178.6	189.0	186.3	213.8	217.7	213.8	227.1	222.7	244.7	242.5	280.0	271.2	72.2
78.7	156.5	159.8	156.5	180.8	178.6	188.5	185.2	213.8	217.2	213.8	227.1	222.7	244.7	240.3	280.0	262.4	78.7
85.3	156.0	158.7	156.5	180.2	177.5	187.4	184.1	201.2	216.6	213.8	226.0	222.7	243.6	240.3	280.0	255.7	85.3
91.9	155.4	157.6	155.4	179.7	177.5	186.3	184.1	194.0	216.1	212.7	224.9	222.7	242.5	240.3	280.0	249.1	91.9
98.4	154.3	157.1	154.3	179.1	176.4	185.7	183.0	175.8	215.5	212.7	223.8	220.5	241.4	238.1	278.9	243.6	98.4
111.5	143.9	155.4	152.1	177.5	174.9	184.1	181.5	141.1	213.8	210.5	222.7	219.0	239.2	235.2	276.7	232.6	111.5
124.7	125.6	153.2	149.9	175.6	173.4	182.2	180.0	112.1	211.3	208.0	221.2	217.2	235.9	228.9	274.5	222.1	124.7
137.8	103.4	151.0	147.7	174.2	172.0	180.8	178.6	87.3	208.3	205.0	218.3	215.0	233.7	219.4	269.7	212.7	137.8
150.9	84.7	148.1	145.5	172.0	169.8	178.6	176.4	68.8	203.9	201.4	213.1	209.1	227.8	210.5	262.4	203.9	150.9
164.0	68.2	145.5	142.9	169.8	167.6	176.0	173.8	52.4	199.9	197.3	207.6	202.5	221.2	202.5	250.6	195.8	164.0
177.2	53.8	143.3	140.0	167.6	165.3	173.1	170.9	38.1	196.2	192.9	202.8	195.1	213.8	195.1	239.2	188.5	177.2
190.3	42.3	140.4	137.8	164.6	162.4	170.1	164.2	26.8	191.8	187.8	198.4	188.5	208.0	188.5	227.1	181.9	190.3
203.4	32.0	137.4	135.2	162.0	159.8	167.2	158.4	16.6	187.8	182.4	194.6	182.4	201.7	182.4	213.1	176.0	203.4
213.3	25.0	135.2	133.0	160.4	158.2	165.0	154.5	9.7	185.2	177.8	191.8	178.0	193.6	178.0	202.6	171.6	213.3
216.5	22.7	134.5	132.3	159.8	157.6	164.2	153.2	-	184.1	176.4	190.7	176.4	191.8	176.4	199.2	170.1	216.5
229.7	15.1	131.0	130.1	156.5	151.0	161.5	148.8	-	180.4	171.2	184.1	171.2	183.7	171.2	185.2	164.2	229.7
242.8	7.9	127.1	125.7	151.8	145.9	157.3	144.4	-	173.8	166.4	177.8	166.4	176.7	165.7	171.2	159.8	242.8
255.9	-	123.5	123.5	146.6	142.2	152.1	140.0	-	166.4	162.0	169.8	162.0	168.7	159.8	156.5	155.4	255.9
269.0	-	120.5	119.0	141.1	137.1	146.2	136.3	-	158.4	155.4	159.5	156.2	157.6	153.2	143.3	144.4	269.0
282.2	-	116.8	115.4	136.0	133.7	138.9	132.6	-	148.8	147.7	148.4	148.1	146.1	145.1	131.5	131.9	282.2
295.3	-	114.6	112.4	130.1	130.1	130.1	129.0	-	137.8	138.9	136.7	137.8	134.5	135.6	120.4	120.8	295.3
308.4	-	111.2	110.2	120.4	121.3	120.9	121.3	-	128.3	128.4	127.1	127.6	124.2	125.3	110.0	110.2	308.4
321.5	-	108.7	106.6	111.8	112.7	111.8	112.7	-	119.0	119.0	117.9	118.2	114.6	115.7	100.8	101.4	321.5
334.6	-	105.4	103.0	103.8	104.3	104.1	104.5	-	110.2	110.2	109.3	109.8	106.5	107.1	92.3	93.0	334.6
347.8	-	100.1	98.0	96.3	96.9	96.5	97.0	-	102.4	103.1	101.6	102.0	98.7	99.2	84.2	84.9	347.8
360.9	-	94.0	92.8	89.6	90.0	89.1	89.7	-	95.1	95.7	94.1	94.6	91.3	91.7	77.0	77.7	360.9
374.0	-	87.5	87.7	83.1	83.6	81.6	82.0	-	88.2	88.6	87.1	87.5	84.4	84.9	70.3	70.8	374.0
387.1	-	81.1	81.7	76.9	77.4	74.5	75.0	-	81.9	82.3	80.9	81.2	78.1	78.6	63.9	64.4	387.1
400.3	-	74.4	75.2	70.1	70.5	67.6	68.0	-	75.9	76.4	75.0	75.3	71.7	72.0	58.2	58.5	400.3
413.4	-	67.7	68.6	63.5	63.7	60.8	61.3	-	70.3	70.8	69.2	69.7	65.0	65.3	52.9	53.1	413.4
426.5	-	60.9	61.9	56.9	57.2	54.3	54.6	-	63.1	63.1	61.9	62.3	58.1	58.5	48.5	48.9	426.5
439.6	-	54.2	55.4	50.5	50.7	48.0	48.2	-	55.9	54.7	54.7	54.5	51.2	51.8	43.1	43.7	439.6
446.2	-	50.9	52.2	47.3	47.6	45.9	46.1	-	52.2	50.5	51.1	50.3	47.8	48.5	40.3	41.0	446.2
452.8	-	48.9	-	44.5	-	43.9	-	-	48.5	-	47.6	-	44.3	-	37.4	-	452.8
462.6	-	44.1	-	41.7	-	39.5	-	-	42.8	-	42.3	-	39.0	-	33.1	-	462.6


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

LSL+LF_3 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5															
 492.1 ft LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14 39.4 ft 0 lb 0 lb – 716.6 klb 0 lb 0 lb – 716.6 klb 15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 															
ft	1,000 lb														ft
62.3	157.6	162.0	-	179.7	-	202.8	207.2	-	218.3	-	235.9	-	266.8	-	62.3
65.6	157.6	160.9	156.5	179.7	177.5	202.8	207.2	203.9	218.3	213.8	235.9	231.5	266.8	262.4	65.6
72.2	157.1	159.8	155.4	179.1	176.4	202.8	206.7	202.8	217.7	213.8	234.8	231.5	266.8	262.4	72.2
78.7	156.5	158.7	155.4	178.6	176.4	202.8	206.1	202.8	217.2	212.7	233.7	231.5	266.8	262.4	78.7
85.3	156.0	158.2	154.3	178.0	175.3	194.0	205.6	202.8	216.6	211.6	233.7	231.5	266.8	256.8	85.3
91.9	155.4	157.6	153.2	177.5	175.3	190.7	205.0	201.7	216.1	210.5	233.7	229.3	266.8	251.3	91.9
98.4	152.7	156.0	152.1	176.4	174.2	173.6	204.5	201.7	214.4	209.4	232.6	229.3	265.7	244.7	98.4
111.5	141.1	153.2	149.9	174.7	172.7	140.0	202.8	199.5	211.1	207.2	230.4	226.3	264.6	232.6	111.5
124.7	122.1	151.0	147.7	173.1	171.2	111.0	200.6	197.3	208.0	204.3	227.8	223.4	262.4	222.7	124.7
137.8	99.4	148.8	145.5	170.9	169.8	86.2	198.4	195.1	205.0	200.6	224.9	220.5	258.7	213.8	137.8
150.9	80.9	145.9	142.6	168.7	167.6	67.5	194.7	191.4	199.9	195.5	219.7	211.6	255.7	205.0	150.9
164.0	64.5	142.6	139.6	166.4	165.3	51.1	190.7	187.8	194.4	190.3	213.5	203.6	246.9	196.9	164.0
177.2	50.3	138.9	136.7	164.2	163.1	37.0	186.3	184.1	188.5	185.2	206.1	196.2	238.1	189.6	177.2
190.3	38.9	136.0	133.7	161.3	160.2	25.7	182.6	180.4	181.1	177.1	200.3	189.6	229.3	183.0	190.3
203.4	28.7	133.0	130.8	158.4	157.3	15.4	179.1	176.4	175.3	167.9	193.8	183.0	214.6	177.1	203.4
213.3	21.9	130.8	128.6	156.2	155.1	8.4	176.4	173.6	170.3	163.5	187.7	178.9	203.9	172.9	213.3
216.5	19.6	130.1	127.9	155.4	154.3	-	175.3	173.1	168.7	162.0	186.3	177.5	200.6	171.6	216.5
229.7	12.1	126.8	124.6	152.5	149.9	-	171.6	167.2	161.7	152.9	179.7	169.8	187.4	166.4	229.7
236.2	8.4	124.6	123.5	151.0	147.7	-	169.8	165.3	158.7	149.9	176.4	166.4	180.8	163.9	236.2
242.8	-	122.0	119.8	148.8	145.5	-	166.1	162.0	153.2	146.6	171.6	162.8	174.2	161.3	242.8
255.9	-	119.0	116.8	144.4	141.1	-	158.7	155.4	146.6	140.0	164.2	155.4	160.9	156.5	255.9
269.0	-	115.0	112.8	138.2	136.7	-	151.4	149.5	140.7	137.1	154.7	148.8	147.7	147.7	269.0
282.2	-	111.4	110.1	133.0	132.3	-	144.0	143.7	135.1	133.7	144.0	142.2	135.2	136.0	282.2
295.3	-	108.7	107.6	127.9	127.9	-	136.7	137.8	130.1	130.1	133.4	133.4	123.8	124.9	295.3
308.4	-	106.0	104.1	119.0	120.2	-	127.1	127.6	124.2	124.9	123.1	123.8	113.5	114.6	308.4
321.5	-	102.7	101.0	110.6	111.6	-	117.9	118.2	116.8	117.5	113.5	113.5	104.9	105.7	321.5
334.6	-	100.3	98.8	102.5	103.2	-	109.3	109.8	108.2	108.9	104.9	105.6	96.3	97.0	334.6
347.8	-	96.8	96.4	94.8	95.5	-	101.4	102.0	100.5	101.1	97.2	97.8	88.4	89.1	347.8
360.9	-	92.1	92.6	87.4	88.0	-	94.0	94.6	93.0	93.6	89.8	90.2	81.2	81.9	360.9
374.0	-	85.5	86.0	80.0	80.5	-	87.1	87.5	86.2	86.6	82.9	83.3	74.4	75.0	374.0
387.1	-	79.8	80.1	73.0	73.6	-	80.8	81.2	79.9	80.3	76.6	77.0	68.1	68.6	387.1
400.3	-	73.5	74.0	66.2	66.8	-	74.8	75.3	73.9	74.3	70.5	71.0	62.4	62.7	400.3
413.4	-	67.0	67.5	59.7	60.2	-	69.2	69.7	68.3	68.6	64.4	64.6	57.0	57.2	413.4
426.5	-	60.7	61.1	53.4	53.8	-	62.8	63.1	61.7	62.4	57.5	57.7	51.8	52.0	426.5
439.6	-	54.5	54.9	47.2	47.6	-	55.9	55.1	54.8	55.0	50.7	51.0	47.8	48.1	439.6
452.8	-	48.5	48.7	42.3	42.5	-	48.9	47.2	48.1	47.2	44.1	44.5	43.4	43.9	452.8
465.9	-	43.4	-	37.4	-	-	41.5	-	41.2	-	37.2	-	38.6	-	465.9
469.2	-	42.5	-	36.2	-	-	39.7	-	39.5	-	35.5	-	37.3	-	469.2

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_4 – LSL+LF_6:  36.1 ft – 62.3 ft
 LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft
 LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5															
502.0 ft															
LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14															
39.4 ft															
0 lb 0 lb – 716.6 klb 0 lb 0 lb – 716.6 klb															
15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 15° 20°															
ft	1,000 lb														ft
62.3	151.0	155.4	-	170.9	-	192.9	197.3	-	207.2	-	222.7	-	255.7	-	62.3
65.6	151.0	155.4	151.0	170.9	168.7	192.9	197.3	-	207.2	-	222.7	-	255.7	-	65.6
68.9	150.7	154.9	150.5	170.6	168.1	192.9	197.0	194.0	207.0	203.9	222.7	220.5	255.7	251.3	68.9
72.2	150.5	154.3	149.9	170.3	167.6	192.9	196.8	194.0	206.7	203.9	222.7	220.5	255.7	251.3	72.2
78.7	149.9	153.2	148.8	169.8	167.6	192.9	196.2	192.9	206.1	202.8	222.7	220.5	255.7	249.1	78.7
85.3	149.4	152.1	148.8	169.2	166.4	187.9	195.7	192.9	205.6	201.7	222.7	220.5	254.6	249.1	85.3
91.9	148.8	151.0	147.7	168.7	166.4	187.4	195.1	191.8	205.0	201.7	222.7	220.5	253.5	249.1	91.9
98.4	147.7	149.9	146.6	168.1	165.3	170.9	194.6	191.8	203.9	199.5	221.6	219.4	252.4	244.7	98.4
111.5	137.2	147.7	144.4	166.4	163.9	137.8	192.9	190.3	201.7	197.3	220.5	217.9	251.3	234.8	111.5
124.7	119.0	145.9	142.6	164.6	162.4	108.7	190.7	188.1	198.8	194.7	219.0	216.1	250.2	224.3	124.7
137.8	97.0	144.4	141.1	163.1	160.9	83.6	188.5	185.2	195.1	191.8	216.1	213.8	246.9	215.0	137.8
150.9	78.5	141.5	138.2	160.9	159.5	65.0	185.6	182.2	191.4	187.4	211.6	209.4	242.5	206.1	150.9
164.0	62.1	138.9	135.6	158.7	157.6	48.6	181.9	178.9	186.3	182.6	206.1	203.6	235.2	198.8	164.0
177.2	47.8	136.7	133.4	156.5	155.4	34.4	177.5	175.3	181.9	177.5	199.5	197.3	227.1	191.6	177.2
190.3	36.5	133.7	131.2	154.3	153.2	23.1	174.5	171.6	176.0	170.5	195.1	190.7	219.4	184.1	190.3
203.4	26.3	130.8	128.6	151.8	151.0	12.7	170.9	168.3	169.5	163.1	190.7	184.7	207.6	178.2	203.4
210.0	21.8	129.3	127.1	150.3	149.9	7.9	168.7	166.4	166.9	160.4	188.5	181.7	201.7	175.3	210.0
216.5	17.2	127.9	125.7	148.8	148.8	-	166.4	164.2	164.2	157.6	186.3	178.6	194.7	172.7	216.5
229.7	9.5	124.6	123.5	146.8	146.4	-	162.8	160.6	156.9	149.5	178.9	172.3	180.8	167.6	229.7
242.8	-	122.0	119.8	144.0	142.9	-	158.4	153.6	150.3	143.3	173.4	164.2	169.0	162.4	242.8
255.9	-	119.0	116.8	141.1	137.8	-	153.2	147.7	144.4	136.7	167.6	156.5	157.6	156.9	255.9
269.0	-	115.7	113.5	134.8	133.0	-	145.5	141.5	137.4	133.0	154.3	149.2	144.4	145.5	269.0
282.2	-	112.3	110.2	129.7	128.6	-	138.9	136.2	131.7	129.5	141.8	140.9	132.6	133.7	282.2
295.3	-	109.8	107.8	124.6	123.5	-	131.2	131.2	126.8	126.8	130.1	131.2	121.0	122.4	295.3
308.4	-	106.6	105.5	116.5	116.4	-	123.1	123.8	120.9	121.6	119.8	120.9	111.3	111.3	308.4
321.5	-	104.2	102.3	108.3	108.5	-	114.6	115.7	113.5	114.6	110.5	111.4	102.2	102.7	321.5
334.6	-	101.9	99.6	100.1	100.5	-	106.5	107.1	105.6	106.3	102.1	102.7	93.6	94.3	334.6
347.8	-	96.4	96.1	92.3	92.7	-	98.7	99.2	97.7	98.3	94.1	94.8	85.5	86.2	347.8
360.9	-	89.9	90.4	84.7	85.1	-	91.3	91.7	90.2	90.6	86.9	87.4	78.3	79.0	360.9
374.0	-	83.3	83.8	77.4	77.8	-	84.2	84.9	83.3	83.8	79.8	80.5	71.6	72.0	374.0
387.1	-	77.3	77.8	70.6	71.1	-	78.0	78.6	77.2	77.5	73.6	74.1	65.3	65.7	387.1
400.3	-	71.4	71.8	64.0	64.4	-	72.1	72.5	70.9	71.1	67.5	68.1	59.5	60.0	400.3
413.4	-	65.0	65.5	57.5	58.0	-	66.4	66.8	64.2	64.2	61.7	62.2	54.2	54.5	413.4
426.5	-	58.9	59.3	51.4	51.8	-	60.3	60.3	56.2	55.6	54.8	55.1	49.6	49.8	426.5
439.6	-	52.9	53.3	45.3	45.7	-	53.9	53.3	48.3	47.0	48.2	48.4	43.9	44.5	439.6
452.8	-	47.0	47.2	39.5	39.9	-	47.2	45.6	40.3	38.4	41.7	42.1	38.1	38.9	452.8
462.6	-	42.5	42.8	36.3	36.6	-	41.7	39.9	34.2	32.0	37.1	37.7	33.8	34.4	462.6
465.9	-	41.4	-	35.2	-	-	39.9	-	32.2	-	35.6	-	32.4	-	465.9
479.0	-	37.9	-	30.2	-	-	32.8	-	24.3	-	29.3	-	27.3	-	479.0

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_4 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5															
 511.8 ft LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14 39.4 ft 0 lb 0 lb – 716.6 klb 0 lb 0 lb – 716.6 klb 15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 															
ft	1,000 lb														ft
65.6	143.3	147.7	-	157.6	-	181.9	186.3	-	196.2	-	212.7	-	242.5	-	65.6
68.9	143.3	147.4	144.4	157.6	157.6	181.9	186.0	183.0	195.9	192.9	212.5	209.4	242.5	238.1	68.9
72.2	143.3	147.2	143.3	157.6	157.6	181.9	185.7	183.0	195.7	192.9	212.2	209.4	242.5	238.1	72.2
78.7	143.3	146.6	143.3	157.6	157.6	181.9	185.2	183.0	195.1	191.8	211.6	209.4	242.5	238.1	78.7
85.3	142.7	145.5	142.2	157.6	157.6	179.7	184.6	181.9	194.6	191.8	211.6	209.4	242.5	238.1	85.3
91.9	142.2	144.4	141.1	157.6	157.6	179.7	184.1	181.9	194.0	191.8	211.6	209.4	242.5	238.1	91.9
98.4	141.6	143.9	141.1	157.6	156.5	165.3	183.5	181.9	193.5	190.7	210.5	208.3	241.4	237.0	98.4
111.5	132.3	142.2	138.9	157.1	155.1	135.6	182.4	180.4	191.8	188.5	209.4	206.9	239.2	232.6	111.5
124.7	116.2	140.0	137.1	155.4	153.6	106.6	180.8	178.6	189.2	185.9	207.2	204.7	237.0	224.9	124.7
137.8	95.0	137.8	135.6	153.2	152.1	81.6	178.6	176.4	186.3	183.0	205.0	202.8	234.4	216.1	137.8
150.9	76.5	135.6	133.4	151.8	150.6	62.9	175.6	173.4	183.4	179.3	202.1	199.2	231.5	207.2	150.9
164.0	60.0	133.4	131.2	149.9	148.8	46.4	172.7	170.5	179.3	175.6	197.3	194.0	224.1	199.9	164.0
177.2	45.6	131.2	129.0	147.7	146.6	32.2	169.8	167.6	175.3	172.0	190.7	188.5	216.8	192.4	177.2
190.3	34.3	129.0	126.0	145.5	144.4	20.9	166.1	163.5	170.5	166.8	186.3	183.4	209.4	185.2	190.3
203.4	24.1	126.4	123.5	143.1	142.4	10.5	162.3	159.8	166.4	162.0	181.9	177.5	200.6	179.3	203.4
206.7	21.8	125.7	122.9	142.4	142.0	8.2	161.4	159.0	165.3	160.9	180.8	176.4	198.4	177.8	206.7
216.5	15.0	123.5	121.3	141.1	141.1	-	158.7	156.5	162.0	157.6	177.5	173.1	189.6	173.8	216.5
226.4	9.0	121.8	119.9	139.4	139.4	-	156.5	154.3	159.3	152.1	174.2	167.0	179.7	169.9	226.4
229.7	-	121.3	119.3	138.9	138.9	-	155.8	153.6	158.4	151.0	173.1	165.7	176.4	168.7	229.7
242.8	-	117.6	115.7	136.3	136.0	-	152.5	148.4	153.2	145.9	167.6	159.5	164.6	162.0	242.8
255.9	-	114.6	113.5	133.4	132.3	-	148.8	143.3	148.8	140.0	163.1	152.1	153.0	153.2	255.9
269.0	-	111.7	110.5	129.0	127.5	-	140.9	137.1	140.0	133.7	151.7	144.8	143.3	143.3	269.0
282.2	-	109.1	108.4	124.1	123.5	-	133.4	131.5	134.0	129.0	139.6	137.1	130.8	131.5	282.2
295.3	-	106.9	105.2	119.0	117.9	-	126.8	126.8	127.9	124.6	127.9	129.0	119.6	120.8	295.3
308.4	-	103.9	102.8	113.0	112.8	-	120.2	120.9	120.5	119.4	118.2	119.3	109.8	110.2	308.4
321.5	-	101.4	99.7	105.7	106.2	-	112.4	113.5	112.5	112.4	109.1	109.3	100.3	101.1	321.5
334.6	-	99.2	97.7	97.4	97.9	-	104.7	105.4	103.8	104.3	100.3	101.0	91.9	92.7	334.6
347.8	-	94.6	93.7	89.7	90.1	-	96.8	97.4	95.9	96.5	92.4	93.0	83.8	84.4	347.8
360.9	-	87.7	88.2	82.0	82.5	-	89.3	89.9	88.5	88.9	85.2	85.8	76.5	77.2	360.9
374.0	-	81.1	81.6	75.0	75.4	-	82.5	82.9	81.6	82.0	78.3	78.7	70.0	70.4	374.0
387.1	-	75.3	75.7	68.3	68.8	-	76.1	76.6	75.3	75.7	71.9	72.4	63.5	63.9	387.1
400.3	-	69.2	69.7	61.8	62.3	-	70.0	70.4	69.2	69.6	65.9	66.4	57.8	58.2	400.3
413.4	-	63.1	63.5	55.6	56.0	-	63.3	63.5	62.8	62.8	60.2	60.6	51.7	51.1	413.4
426.5	-	57.0	57.5	49.5	50.0	-	55.6	55.6	54.9	54.6	53.3	53.7	44.1	43.4	426.5
439.6	-	51.1	51.6	43.7	44.1	-	48.1	47.6	47.0	46.3	46.5	47.0	37.0	36.5	439.6
452.8	-	45.4	45.9	37.9	38.4	-	40.6	39.7	39.2	37.9	40.3	40.8	30.5	30.3	452.8
465.9	-	37.8	40.2	32.9	33.1	-	33.0	32.0	31.5	29.8	34.3	34.8	24.5	24.7	465.9
469.2	-	35.9	39.2	31.9	32.0	-	31.2	30.2	29.5	27.8	32.8	33.3	23.2	23.4	469.2
479.0	-	30.3	-	28.5	-	-	25.5	-	23.7	-	28.4	-	19.4	-	479.0
485.6	-	26.7	-	26.2	-	-	21.6	-	19.8	-	25.6	-	17.2	-	485.6

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_4 – LSL+LF_6:  36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12:  36.1 ft – 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5															
521.7 ft LSL+LF_4 LSL+LF_6 LSL+LF_8 LSL+LF_10 LSL+LF_12 LSL+LF_14															
39.4 ft 0 lb 0 lb – 716.6 klb 0 lb 0 lb – 716.6 klb															
15° 20° 15° 20° 15° 20° 15° 20° 15° 20° 15° 20°															
ft	1,000 lb														ft
65.6	137.8	142.2	-	153.2	-	174.2	177.5	-	186.3	-	201.7	-	229.3	-	65.6
68.9	137.5	141.6	138.9	152.9	151.0	174.2	177.2	175.3	186.0	184.1	201.7	199.5	229.3	227.1	68.9
72.2	137.2	141.1	138.9	152.7	151.0	174.2	176.9	175.3	185.7	183.0	201.7	199.5	229.3	227.1	72.2
78.7	136.7	140.0	137.8	152.1	151.0	174.2	176.4	174.2	185.2	183.0	201.7	198.4	229.3	224.9	78.7
85.3	136.7	139.4	136.7	151.6	149.9	173.1	175.8	174.2	184.6	181.9	201.2	198.4	229.3	224.9	85.3
91.9	136.7	138.9	136.7	151.0	149.9	172.0	175.3	173.1	184.1	181.9	200.6	198.4	229.3	224.9	91.9
98.4	136.1	137.8	135.6	150.5	148.8	158.7	175.3	173.1	183.5	181.9	200.1	197.3	227.1	223.8	98.4
111.5	129.0	136.1	134.1	148.8	147.3	132.3	174.2	170.9	181.9	178.9	199.0	195.8	224.9	222.7	111.5
124.7	113.9	134.8	132.3	147.0	145.9	104.2	172.0	168.7	179.3	176.0	196.9	194.0	223.8	221.0	124.7
137.8	92.6	133.4	130.1	145.5	144.4	78.9	169.8	166.4	176.4	173.1	194.0	191.8	221.6	215.7	137.8
150.9	74.1	131.2	128.6	144.0	142.9	60.4	166.8	163.5	174.2	170.1	191.8	188.9	219.4	208.3	150.9
164.0	57.7	129.0	126.8	142.2	141.1	43.9	163.7	160.2	170.4	166.4	186.8	184.5	213.5	201.0	164.0
177.2	43.4	126.8	124.6	140.0	138.9	29.5	159.8	156.5	165.3	162.0	181.9	178.6	207.7	194.0	177.2
190.3	32.1	124.6	123.1	137.8	137.4	18.2	156.2	152.9	161.7	158.4	176.7	174.2	200.6	187.4	190.3
203.4	21.8	122.6	121.3	135.6	135.6	7.7	152.5	149.0	157.6	153.2	172.0	168.7	193.3	180.8	203.4
216.5	12.6	120.2	119.0	133.4	133.4	-	148.8	145.5	153.2	148.8	167.6	163.1	183.0	174.9	216.5
223.1	8.6	119.0	117.9	132.3	132.6	-	147.0	143.7	151.0	146.6	165.3	160.6	176.4	172.3	223.1
229.7	-	117.9	116.8	131.2	131.9	-	145.1	141.8	148.8	144.4	163.1	158.0	169.8	169.8	229.7
242.8	-	115.7	114.3	129.3	129.7	-	141.5	135.6	143.3	137.4	156.9	150.3	158.7	158.7	242.8
255.9	-	113.5	111.3	127.9	126.8	-	137.8	131.2	138.9	132.3	153.2	144.4	148.1	148.1	255.9
269.0	-	109.8	109.1	122.7	122.4	-	131.2	124.6	132.6	125.7	145.5	136.7	137.8	137.8	269.0
282.2	-	107.1	106.5	117.9	117.9	-	124.9	120.4	126.0	121.6	136.7	130.4	127.9	129.0	282.2
295.3	-	104.5	104.3	113.5	113.5	-	119.0	116.8	120.2	117.9	125.7	124.6	117.2	118.2	295.3
308.4	-	101.9	101.8	108.2	108.7	-	113.2	112.4	114.0	113.5	115.4	116.5	106.9	107.8	308.4
321.5	-	99.1	99.6	102.3	103.0	-	107.4	108.3	107.9	108.1	106.0	107.0	97.7	98.3	321.5
334.6	-	96.3	97.7	94.1	94.8	-	101.9	102.5	101.0	101.6	97.4	98.3	89.2	89.9	334.6
347.8	-	91.6	92.5	86.6	87.2	-	94.1	94.6	93.0	93.5	89.6	90.3	81.1	81.8	347.8
360.9	-	85.5	86.0	79.1	79.8	-	86.6	87.3	85.8	86.2	82.2	82.9	73.9	74.3	360.9
374.0	-	78.9	79.4	72.1	72.8	-	79.6	80.2	78.7	79.1	75.2	75.8	66.7	67.8	374.0
387.1	-	73.0	73.5	65.6	66.1	-	71.8	71.0	72.2	71.7	68.4	69.4	59.5	61.3	387.1
400.3	-	67.0	67.5	59.3	59.7	-	63.5	61.7	64.7	63.2	60.9	63.1	50.5	52.3	400.3
413.4	-	60.8	61.3	53.1	53.6	-	54.9	52.2	56.0	54.0	52.7	56.7	42.3	43.4	413.4
426.5	-	55.0	55.4	47.3	47.7	-	46.1	42.8	47.5	44.8	45.3	49.0	34.6	35.1	426.5
439.6	-	49.2	49.2	41.5	41.9	-	37.3	33.5	38.9	35.6	38.3	41.6	27.7	28.4	439.6
452.8	-	43.7	42.5	35.9	36.4	-	28.4	24.0	30.4	26.2	31.5	34.4	21.6	22.3	452.8
465.9	-	34.4	34.9	30.5	30.8	-	19.8	14.6	21.8	17.1	25.6	27.3	15.9	16.5	465.9
475.7	-	27.3	29.8	26.6	27.3	-	13.2	7.9	15.3	10.1	21.4	22.0	12.1	12.8	475.7
479.0	-	24.8	-	25.0	-	-	11.0	-	13.2	-	20.1	19.2	10.9	-	479.0
482.3	-	22.7	-	23.4	-	-	8.8	-	11.0	-	18.7	-	9.6	-	482.3
485.6	-	20.6	-	21.8	-	-	-	-	8.8	-	17.4	-	8.4	-	485.6
492.1	-	17.0	-	18.5	-	-	-	-	-	-	14.8	-	-	-	492.1
495.4	-	15.2	-	16.8	-	-	-	-	-	-	13.7	-	-	-	495.4

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

LSL+LF_4 – LSL+LF_6: 36.1 ft – 62.3 ft

LSL+LF_8 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5									
		531.5 ft						541.3 ft											
		LSL+LF_10		LSL+LF_12		LSL+LF_14		LSL+LF_10		LSL+LF_12		LSL+LF_14							
		39.4 ft																	
		0 lb		0 lb – 716.6 klb						0 lb		0 lb – 716.6 klb							
		15°		20°		15°		20°		15°		20°		15°		20°			
ft		1,000 lb																ft	
65.6	172.0	176.4	-	190.7	-	220.5	-	163.1	167.6	-	181.9	-	208.3	-	65.6				
68.9	172.0	176.1	174.2	190.4	187.4	219.9	217.2	163.1	167.3	-	181.6	-	208.3	-	68.9				
72.2	172.0	175.8	174.2	190.1	187.4	219.4	217.2	163.1	167.0	165.3	181.3	179.7	208.3	206.1	72.2				
78.7	172.0	175.3	173.1	189.6	187.4	219.4	217.2	163.1	166.4	164.2	180.8	178.6	208.3	206.1	78.7				
85.3	170.9	174.7	173.1	189.0	187.4	218.8	216.1	162.6	165.9	164.2	180.8	178.6	207.2	205.0	85.3				
91.9	170.9	174.2	172.0	188.5	186.3	218.3	216.1	162.0	165.3	163.1	180.8	177.5	207.2	205.0	91.9				
98.4	156.5	173.6	172.0	187.9	186.3	217.2	215.5	149.9	164.8	163.1	179.7	176.4	206.1	204.5	98.4				
111.5	130.1	172.5	169.8	186.8	184.1	215.5	213.8	126.2	163.7	161.7	176.9	173.4	204.5	202.8	111.5				
124.7	102.1	170.5	167.6	184.8	181.9	214.4	211.6	99.0	162.0	159.8	173.8	170.5	203.4	201.2	124.7				
137.8	76.9	167.6	165.3	181.9	179.7	212.4	208.7	74.3	159.8	157.6	170.9	167.6	201.4	199.2	137.8				
150.9	58.3	165.3	162.4	179.7	176.0	209.4	205.0	55.6	157.6	154.7	167.2	163.9	198.4	196.2	150.9				
164.0	41.6	162.0	159.2	175.9	172.2	204.3	199.2	39.1	154.7	151.9	163.1	159.8	194.7	191.1	164.0				
173.9	30.6	158.7	156.5	172.0	168.7	200.6	195.1	28.3	151.9	149.9	159.8	156.5	190.7	187.4	173.9				
177.2	-	158.7	155.4	169.8	167.6	199.1	193.3	24.7	151.0	148.8	158.7	155.4	189.4	185.8	177.2				
190.3	-	154.3	151.8	165.3	162.4	192.9	186.3	-	148.1	145.9	153.6	150.3	184.1	179.7	190.3				
203.4	-	150.6	148.1	161.3	157.6	187.0	180.4	-	144.8	142.6	147.7	144.0	178.9	173.8	203.4				
216.5	-	147.7	144.4	157.6	153.2	177.8	173.4	-	141.1	138.9	141.1	138.9	170.9	167.2	216.5				
229.7	-	144.0	141.5	153.2	146.6	165.3	165.3	-	137.4	135.2	136.0	132.6	159.8	159.8	229.7				
242.8	-	140.0	136.0	146.6	141.8	153.9	154.3	-	134.1	132.1	129.0	126.5	148.8	148.8	242.8				
255.9	-	135.6	132.3	142.2	135.6	143.7	144.0	-	131.2	129.0	123.5	120.2	138.2	138.5	255.9				
269.0	-	131.2	124.2	136.7	129.0	133.4	134.5	-	126.8	121.8	117.3	114.3	127.9	129.0	269.0				
282.2	-	124.6	119.0	129.0	123.1	124.6	124.9	-	121.3	116.5	108.1	108.1	119.4	120.2	282.2				
295.3	-	117.9	114.6	122.4	117.9	115.2	116.3	-	114.6	111.3	100.8	103.6	111.3	111.6	295.3				
308.4	-	112.4	110.6	115.0	112.4	105.4	106.3	-	108.7	106.9	93.1	98.6	102.5	103.4	308.4				
321.5	-	106.2	105.8	106.9	106.3	96.1	96.9	-	102.5	102.1	85.4	92.9	93.4	94.3	321.5				
334.6	-	99.9	100.5	97.9	98.5	87.5	88.3	-	96.3	97.2	78.0	88.2	84.8	85.6	334.6				
347.8	-	92.0	92.6	90.1	90.7	79.4	80.2	-	89.1	89.8	70.8	83.6	76.7	77.4	347.8				
360.9	-	84.7	85.3	82.7	83.3	72.3	72.8	-	81.9	82.3	63.3	76.1	65.8	69.7	360.9				
374.0	-	77.6	78.3	75.6	76.3	64.0	65.5	-	75.0	75.4	55.6	63.1	55.7	60.3	374.0				
387.1	-	71.4	71.8	67.4	68.6	54.5	58.0	-	68.4	68.0	45.0	50.3	47.2	49.6	387.1				
400.3	-	64.4	64.3	58.6	59.5	45.6	47.8	-	61.1	60.0	35.3	38.4	38.8	40.6	400.3				
413.4	-	56.7	55.8	49.2	50.5	38.1	39.0	-	52.9	51.1	26.0	27.6	30.8	32.2	413.4				
426.5	-	48.7	47.3	40.7	42.4	30.4	30.9	-	44.6	42.3	17.9	18.3	23.1	23.8	426.5				
439.6	-	40.8	38.6	33.0	34.7	23.5	23.8	-	36.4	33.5	10.4	10.1	16.4	16.8	439.6				
442.9	-	38.8	36.5	31.2	32.8	21.9	22.2	-	34.4	31.3	8.6	8.2	14.7	15.0	442.9				
452.8	-	32.8	30.2	25.8	27.3	17.3	17.6	-	28.2	24.7	-	-	9.9	10.0	452.8				
456.0	-	30.8	28.0	24.2	25.7	15.8	16.1	-	26.2	22.5	-	-	8.4	8.6	456.0				
465.9	-	24.8	21.5	19.3	20.7	11.2	11.7	-	20.0	15.7	-	-	-	-	465.9				
472.4	-	20.7	17.2	16.1	17.4	8.6	9.2	-	15.9	11.2	-	-	-	-	472.4				
475.7	-	18.7	15.1	14.8	16.0	-	7.9	-	13.8	9.0	-	-	-	-	475.7				
479.0	-	16.8	13.0	13.4	14.6	-	-	-	11.7	-	-	-	-	-	479.0				
482.3	-	14.8	10.9	12.1	13.1	-	-	-	9.5	-	-	-	-	-	482.3				
485.6	-	12.8	8.8	10.8	11.7	-	-	-	-	-	-	-	-	-	485.6				
492.1	-	8.8	-	8.2	-	-	-	-	-	-	-	-	-	-	492.1				

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_10 – LSL+LF_12: 36.1 ft – 68.9 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb 42.7 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5															
	295.3 ft		305.1 ft		315.0 ft		324.8 ft		334.6 ft		344.5 ft				
	LSL+LF 14														
	59.0 ft														
	0 lb	0 lb – 716.6 klb				0 lb	0 lb – 716.6 klb				0 lb	0 lb – 716.6 klb			
	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°			
ft	1,000 lb														ft
52.5	262.4	264.6	-	264.6	-	266.8	266.8	-	-	-	-	-	-	-	52.5
55.8	255.7	256.8	-	257.9	-	260.1	260.1	-	262.4	-	262.4	264.6	-	264.6	55.8
59.1	249.1	249.1	183.0	251.3	184.1	253.5	253.5	185.2	255.7	-	255.7	257.9	-	257.9	59.1
62.3	242.5	242.5	179.1	244.7	180.2	246.9	246.9	181.3	249.1	181.9	250.2	251.3	183.0	252.4	62.3
65.6	235.9	235.9	175.3	238.1	176.4	240.3	240.3	177.5	242.5	178.6	244.7	244.7	179.7	246.9	65.6
72.2	224.9	224.9	168.7	227.1	169.8	229.3	229.3	170.9	231.5	172.0	233.7	233.7	173.1	235.9	72.2
78.7	215.0	215.0	162.0	217.2	163.1	219.4	219.4	164.2	220.5	165.3	222.7	222.7	166.4	224.9	78.7
85.3	205.6	205.6	156.5	208.3	157.6	210.5	210.5	158.7	212.2	159.8	214.4	214.4	160.9	216.1	85.3
91.9	196.2	196.2	151.0	199.5	152.1	201.7	201.7	153.2	203.9	154.3	206.1	206.1	155.4	207.2	91.9
98.4	188.5	188.5	146.1	191.8	147.2	189.0	194.0	148.3	196.2	149.4	189.6	198.4	151.0	200.1	98.4
111.5	164.8	174.2	136.7	177.5	137.8	160.4	179.7	139.4	181.9	140.5	156.5	184.1	142.2	186.3	111.5
124.7	136.1	162.0	128.4	164.8	130.1	131.7	167.0	131.7	169.2	132.8	127.3	171.4	133.9	173.6	124.7
137.8	113.9	151.8	121.6	154.0	123.5	109.6	156.2	124.6	158.4	125.7	105.1	160.6	126.8	162.8	137.8
150.9	94.8	142.2	115.7	144.4	116.8	90.6	146.6	117.9	148.8	119.0	86.0	151.0	120.2	153.2	150.9
164.0	80.1	134.1	110.3	136.3	111.6	75.9	138.5	112.8	140.7	113.9	71.1	142.9	115.0	145.1	164.0
177.2	66.9	126.8	105.2	129.0	106.6	62.7	131.2	107.9	133.4	109.1	57.9	135.6	110.2	137.4	177.2
190.3	55.3	120.2	100.5	122.4	101.9	50.9	124.6	103.2	126.8	104.5	46.3	129.0	105.6	130.1	190.3
203.4	47.3	115.0	96.7	117.2	98.0	42.8	118.7	99.2	120.9	100.5	36.9	123.1	101.6	124.2	203.4
216.5	39.2	110.2	93.2	112.3	94.4	34.9	113.6	95.5	115.4	96.8	28.9	117.6	97.9	118.7	216.5
229.7	31.3	105.8	89.9	107.6	91.1	27.1	109.3	92.2	110.2	93.3	22.3	112.4	94.4	113.5	229.7
242.8	24.8	101.9	87.2	103.5	88.3	20.5	105.2	89.2	106.6	90.3	15.7	108.3	91.4	109.7	242.8
255.9	18.8	98.2	84.6	99.7	85.6	14.4	101.3	86.6	102.8	87.6	9.4	104.4	88.6	106.0	255.9
259.2	17.4	97.3	84.0	98.9	85.0	13.0	100.4	86.0	101.9	87.0	7.9	103.4	88.0	105.1	259.2
269.0	13.2	94.8	82.2	96.3	83.1	8.8	97.7	84.2	99.2	85.1	-	100.8	86.2	102.3	269.0
282.2	8.4	91.9	80.3	93.4	81.1	-	94.7	82.1	96.1	83.0	-	97.7	84.0	99.1	282.2
295.3	-	89.4	78.7	90.8	79.5	-	92.0	80.3	93.3	81.1	-	94.7	82.0	96.0	295.3
308.4	-	87.1	77.4	88.4	78.0	-	89.5	78.7	90.6	79.4	-	91.9	80.2	93.3	308.4
315.0	-	86.2	-	87.5	77.4	-	88.5	78.1	89.6	78.7	-	90.8	79.5	92.1	315.0
318.2	-	85.8	-	87.0	-	-	88.0	77.8	89.1	78.4	-	90.3	79.1	91.5	318.2
321.5	-	-	-	86.5	-	-	87.5	77.5	88.6	78.0	-	89.7	78.8	90.9	321.5
324.8	-	-	-	86.0	-	-	86.9	77.2	88.0	77.7	-	89.2	78.4	90.3	324.8
328.1	-	-	-	85.5	-	-	86.4	-	87.5	77.4	-	88.6	78.0	89.7	328.1
334.6	-	-	-	-	-	-	85.8	-	86.6	76.9	-	87.7	77.5	88.8	334.6
341.2	-	-	-	-	-	-	-	-	85.8	-	-	86.9	76.9	87.8	341.2
344.5	-	-	-	-	-	-	-	-	85.3	-	-	86.4	-	87.3	344.5
347.8	-	-	-	-	-	-	-	-	-	-	-	86.0	-	86.9	347.8
351.1	-	-	-	-	-	-	-	-	-	-	-	85.5	-	86.5	351.1
360.9	-	-	-	-	-	-	-	-	-	-	-	-	-	85.3	360.9

0 lb

143,300 lb

209,500 lb

275,600 lb

363,800 lb

452,000 lb

584,300 lb

716,600 lb

496,000 lb		42.7 – 68.9 ft				39.4 ft x 39.4 ft				32.2 ft/s		360°		ASME B30.5	
   	354.3 ft			364.2 ft		374.0 ft		383.9 ft		393.7 ft			403.5 ft		
	LSL+LF 14														
	59.0 ft														
	0 lb	0 lb – 716.6 klb				0 lb	0 lb – 716.6 klb				0 lb	0 lb – 716.6 klb			
	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	
ft	1,000 lb														ft
55.8	266.8	266.8	-	-	-	-	-	-	-	-	-	-	-	-	55.8
59.1	260.1	260.1	-	262.4	-	260.1	262.4	-	264.6	-	-	-	-	-	59.1
62.3	254.6	254.6	184.1	255.7	-	254.6	256.8	-	259.0	-	260.1	260.1	-	262.4	62.3
65.6	249.1	249.1	180.8	249.1	181.9	249.1	251.3	183.0	253.5	183.0	255.7	255.7	184.1	255.7	65.6
68.9	243.6	243.6	177.5	243.6	178.6	244.7	245.8	179.7	248.0	180.2	250.2	250.2	180.8	250.2	68.9
72.2	238.1	238.1	174.2	238.1	175.3	240.3	240.3	176.4	242.5	177.5	244.7	244.7	177.5	244.7	72.2
78.7	227.1	227.1	168.7	229.3	169.8	231.5	231.5	170.9	231.5	170.9	233.7	233.7	172.0	235.9	78.7
85.3	218.3	218.3	163.1	220.5	164.2	218.8	222.7	165.3	223.2	165.9	218.3	225.4	167.0	227.6	85.3
91.9	209.4	209.4	157.6	211.6	158.7	206.1	213.8	159.8	215.0	160.9	202.8	217.2	162.0	219.4	91.9
98.4	189.0	201.7	153.2	203.9	154.3	185.2	206.1	155.4	207.8	156.0	181.3	209.4	157.1	211.6	98.4
111.5	152.7	187.4	144.4	189.6	145.5	148.3	191.8	146.6	194.0	147.2	143.9	195.1	148.3	197.3	111.5
124.7	124.0	175.3	136.1	177.5	137.2	119.5	179.1	138.3	181.3	139.4	115.2	183.0	140.5	184.6	124.7
137.8	101.5	165.0	129.3	166.8	130.4	96.9	168.3	131.5	170.5	132.6	92.6	172.3	133.7	173.8	137.8
150.9	81.8	155.4	123.5	156.5	124.6	77.2	158.7	125.7	160.9	126.8	72.8	162.0	127.9	164.2	150.9
164.0	66.9	146.6	117.6	148.4	118.7	62.2	150.6	119.8	152.1	120.9	57.8	154.0	122.0	156.2	164.0
177.2	53.6	138.9	112.4	141.1	113.5	48.8	142.9	114.6	144.4	115.7	44.4	146.2	116.8	148.4	177.2
190.3	41.9	132.3	108.0	134.5	109.1	37.0	135.6	110.2	137.8	111.3	32.6	138.9	112.4	141.1	190.3
203.4	32.5	126.4	103.9	127.9	105.0	27.5	129.7	106.1	131.2	107.2	23.1	133.0	108.3	134.5	203.4
216.5	24.4	120.9	100.1	122.0	101.2	18.8	124.2	102.3	125.3	103.3	14.3	127.4	104.4	129.0	216.5
226.4	19.3	117.0	97.4	118.1	98.5	13.0	120.3	99.6	121.4	100.6	8.4	123.5	101.7	124.9	226.4
229.7	17.6	115.7	96.6	116.8	97.7	11.0	119.0	98.8	120.2	99.6	-	122.4	100.8	123.5	229.7
236.2	14.4	113.7	95.0	114.6	96.1	9.3	116.8	97.2	117.9	98.2	-	119.8	99.1	121.3	236.2
242.8	11.2	111.6	93.5	112.4	94.5	-	114.6	95.5	115.7	96.6	-	117.2	97.5	119.0	242.8
249.3	7.9	109.6	91.9	110.2	93.0	-	112.4	93.9	113.5	95.0	-	114.6	95.9	116.8	249.3
255.9	-	107.7	90.6	108.5	91.7	-	110.5	92.6	111.7	93.6	-	113.0	94.5	114.6	255.9
269.0	-	103.8	88.0	105.2	89.1	-	106.7	89.9	108.0	90.8	-	109.6	91.7	110.2	269.0
282.2	-	100.5	85.8	101.8	86.7	-	103.2	87.6	104.6	88.5	-	106.0	89.4	107.2	282.2
295.3	-	97.4	83.7	98.6	84.5	-	99.9	85.4	101.4	86.2	-	102.7	87.1	104.0	295.3
308.4	-	94.6	81.8	95.7	82.5	-	97.0	83.3	98.3	84.0	-	99.6	84.9	100.8	308.4
321.5	-	92.1	80.2	93.2	80.8	-	94.4	81.6	95.7	82.2	-	96.9	83.1	98.0	321.5
334.6	-	89.8	78.7	90.9	79.4	-	91.9	80.0	93.2	80.6	-	94.3	81.4	95.4	334.6
347.8	-	87.7	77.4	88.8	78.0	-	89.7	78.5	90.8	79.1	-	91.9	79.8	93.0	347.8
357.6	-	86.6	76.7	87.5	77.3	-	88.4	77.7	89.4	78.3	-	90.4	78.8	91.5	357.6
360.9	-	86.2	-	87.1	77.0	-	88.0	77.5	88.9	78.0	-	89.9	78.5	91.0	360.9
367.5	-	85.3	-	86.2	76.5	-	87.1	76.9	88.0	77.4	-	88.8	77.8	89.9	367.5
370.7	-	85.1	-	85.8	-	-	86.6	76.7	87.6	77.2	-	88.4	77.6	89.2	370.7
374.0	-	-	-	85.5	-	-	86.3	76.5	87.2	76.9	-	88.0	77.4	88.5	374.0
377.3	-	-	-	85.1	-	-	85.9	-	86.8	76.7	-	87.6	77.2	87.7	377.3
383.9	-	-	-	-	-	-	85.2	-	85.9	76.3	-	86.8	76.7	86.3	383.9
387.1	-	-	-	-	-	-	84.9	-	85.5	-	-	86.4	76.5	85.5	387.1
390.4	-	-	-	-	-	-	-	-	85.2	-	-	85.4	76.3	84.1	390.4
393.7	-	-	-	-	-	-	-	-	84.9	-	-	84.4	-	82.7	393.7
400.3	-	-	-	-	-	-	-	-	-	-	-	82.1	-	79.8	400.3
403.5	-	-	-	-	-	-	-	-	-	-	-	80.9	-	78.4	403.5
413.4	-	-	-	-	-	-	-	-	-	-	-	-	-	74.1	413.4

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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 496,000 lb		 42.7- 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s		360°		ASME B30.5	
 413.4 ft		 423.2 ft		 433.1 ft		 442.9 ft		 452.8 ft		 462.6 ft		472.4 ft			
LSL+LF_14															
59.0 ft															
 0 lb		 0 lb - 716.6 klb		 0 lb		 0 lb - 716.6 klb		 0 lb		 0 lb - 716.6 klb		0 lb		0 - 716.6 klb	
 15°		 20°		 15°		 20°		 15°		 20°		15°		20°	
ft														1,000 lb	
62.3	260.1	262.4	-	264.6	-	-	-	-	-	-	-	-	-	-	-
65.6	255.7	257.9	-	260.1	-	260.1	260.1	-	262.4	-	253.5	262.4	-	262.4	-
68.9	250.2	252.4	181.9	254.6	183.0	254.6	254.6	183.0	256.8	-	251.3	257.9	-	257.9	-
72.2	244.7	246.9	178.6	249.1	179.7	249.1	249.1	180.8	251.3	180.8	249.1	253.5	181.9	253.5	181.9
78.7	235.9	238.1	173.1	238.1	174.2	233.7	240.3	175.3	242.5	175.3	224.9	242.5	176.4	244.7	176.4
85.3	216.6	229.3	168.1	230.4	169.2	212.7	231.5	170.3	233.7	170.3	204.5	234.8	171.4	235.9	172.0
91.9	197.3	220.5	163.1	222.7	164.2	191.8	222.7	165.3	224.9	165.3	184.1	227.1	166.4	227.1	167.6
98.4	175.8	212.7	158.7	215.0	159.8	171.4	215.5	160.9	217.7	160.9	165.3	219.4	162.0	220.5	163.1
111.5	138.3	199.0	150.5	200.6	151.0	134.5	202.3	152.1	203.9	152.7	130.1	205.6	153.8	207.2	154.9
124.7	109.6	186.8	142.7	188.5	143.3	105.3	190.1	144.4	191.8	145.5	100.8	193.5	146.1	195.1	147.2
137.8	86.9	176.0	135.6	177.8	136.7	82.6	179.3	137.8	181.1	138.9	77.9	182.6	139.3	184.5	140.4
150.9	67.0	166.4	129.0	167.6	130.1	62.6	169.8	131.2	170.9	132.3	57.8	173.1	133.4	174.2	134.5
164.0	51.9	157.6	123.8	159.5	124.9	47.5	160.9	126.0	162.8	127.1	42.6	164.2	127.5	165.3	128.6
177.2	38.4	149.5	118.7	151.8	119.8	34.0	152.9	120.9	155.1	122.0	29.1	156.2	122.4	157.3	123.5
190.3	26.7	142.2	113.5	144.4	114.6	22.3	145.5	115.7	147.7	116.8	17.2	148.8	117.9	149.9	119.0
193.6	24.3	140.7	112.7	142.7	113.7	19.8	144.0	114.8	146.1	115.7	14.6	147.3	116.8	148.3	117.9
200.1	19.5	137.8	110.9	139.4	111.9	15.0	141.1	113.0	142.7	113.5	9.5	144.4	114.6	145.2	115.7
203.4	17.1	136.3	110.0	137.8	111.0	12.6	139.6	112.1	141.1	112.4	-	142.6	113.5	143.9	114.6
210.0	12.3	133.4	108.2	134.5	109.1	7.7	136.7	110.2	137.8	110.2	-	138.9	111.3	141.1	112.4
216.5	8.2	130.1	106.3	131.9	107.3	-	133.7	108.2	135.2	108.6	-	136.3	109.6	138.2	110.7
229.7	-	125.7	102.7	126.8	103.6	-	127.9	104.5	130.1	105.4	-	131.2	106.3	132.3	107.1
242.8	-	120.5	99.5	121.6	100.4	-	123.5	101.3	124.9	102.1	-	126.0	103.0	127.1	103.9
255.9	-	115.7	96.4	117.2	97.3	-	119.0	98.2	120.2	99.1	-	121.3	99.9	122.8	100.8
269.0	-	111.3	93.5	113.5	94.4	-	114.6	95.2	115.7	96.1	-	116.8	97.0	119.0	97.9
282.2	-	108.7	91.1	110.0	91.9	-	111.3	92.8	112.4	93.6	-	113.5	94.4	114.6	95.2
295.3	-	105.3	88.7	106.6	89.5	-	107.9	90.3	108.8	91.2	-	109.9	91.9	111.0	92.7
308.4	-	102.1	86.4	103.2	87.3	-	104.5	88.0	105.8	88.8	-	106.9	89.5	108.0	90.4
321.5	-	99.3	84.5	100.4	85.4	-	101.6	86.1	102.7	86.8	-	103.8	87.5	105.1	88.3
334.6	-	96.6	82.7	97.7	83.4	-	98.8	84.2	99.9	84.9	-	100.1	85.5	100.1	86.3
347.8	-	94.1	81.1	95.2	81.8	-	96.3	82.5	97.2	83.1	-	95.7	83.8	92.8	84.4
360.9	-	91.9	79.7	92.6	80.3	-	92.3	81.0	90.4	81.6	-	88.3	82.1	85.6	82.8
374.0	-	89.7	78.4	87.9	78.9	-	86.4	79.6	83.6	79.7	-	81.4	79.4	78.8	79.0
387.1	-	84.2	77.4	81.6	77.8	-	79.8	78.3	77.2	77.8	-	75.0	75.6	72.3	73.0
400.3	-	78.3	76.4	75.7	74.7	-	73.9	73.9	71.3	71.8	-	69.0	69.4	66.4	66.9
406.8	-	75.4	75.8	72.8	73.2	-	71.0	71.7	68.3	68.8	-	66.1	66.6	63.5	63.9
413.4	-	72.8	-	70.1	70.4	-	68.3	68.9	65.7	66.1	-	63.5	63.9	60.8	61.3
416.7	-	71.4	-	68.8	69.0	-	67.0	67.5	64.4	64.8	-	62.2	62.6	59.4	60.0
419.9	-	70.1	-	67.5	-	-	65.7	66.1	63.1	63.5	-	60.8	61.3	58.1	58.6
423.2	-	-	-	66.0	-	-	64.4	64.8	61.7	62.2	-	59.5	60.0	56.7	57.3
426.5	-	-	-	64.6	-	-	63.1	-	60.4	60.8	-	58.2	58.6	55.3	56.0
429.8	-	-	-	62.8	-	-	61.5	-	58.9	59.4	-	57.0	57.4	54.2	54.7
433.1	-	-	-	-	-	-	60.0	-	57.4	58.0	-	55.8	56.1	53.0	53.5
436.4	-	-	-	-	-	-	58.4	-	55.9	-	-	54.6	54.8	51.8	52.2
439.6	-	-	-	-	-	-	-	-	54.4	-	-	53.4	53.6	50.7	50.9
446.2	-	-	-	-	-	-	-	-	51.4	-	-	50.9	-	48.5	48.9
449.5	-	-	-	-	-	-	-	-	-	-	-	49.7	-	47.1	47.8
452.8	-	-	-	-	-	-	-	-	-	-	-	48.4	-	45.7	-
456.0	-	-	-	-	-	-	-	-	-	-	-	47.2	-	44.3	-
462.6	-	-	-	-	-	-	-	-	-	-	-	-	-	41.4	-
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
472.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb		42.7 – 68.9 ft				39.4 ft x 39.4 ft				32.2 ft/s				360°		ASME B30.5		
482.3 ft		492.1 ft		502.0 ft		511.8 ft		521.7 ft		531.5 ft		541.3 ft						
LSL+LF 14																		
59.0 ft																		
0 – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb						
15°		20°		15°		20°		15°		20°		15°		20°				
ft		1,000 lb												ft				
68.9	244.7	-	220.5	231.5	-	222.7	-	-	-	-	-	-	-	-	-	68.9		
72.2	244.7	-	220.5	231.5	-	222.7	-	205.0	213.8	-	203.9	-	189.6	196.2	-	187.4	-	72.2
75.5	243.6	180.8	217.7	231.5	180.8	222.7	181.9	205.0	213.8	181.9	203.9	-	189.6	196.2	-	187.4	-	75.5
78.7	242.5	177.5	215.0	231.5	178.6	222.7	178.6	205.0	213.8	179.7	203.9	179.7	189.6	196.2	180.8	187.4	174.2	78.7
85.3	237.0	173.1	195.1	231.5	173.6	222.7	174.2	186.3	213.3	174.7	203.9	175.3	175.3	196.2	175.8	186.3	173.1	85.3
91.9	231.5	168.7	175.3	231.5	168.7	222.7	169.8	167.6	212.7	169.8	203.9	170.9	160.9	196.2	170.9	186.3	172.0	91.9
98.4	223.8	164.2	159.3	224.9	164.8	221.0	165.3	152.7	212.2	165.9	202.8	166.4	146.1	195.7	167.0	185.7	168.1	98.4
111.5	210.0	156.0	127.3	211.6	157.1	212.7	157.1	122.5	210.0	158.2	200.1	158.7	117.2	192.9	159.3	184.1	160.4	111.5
124.7	197.9	148.8	98.3	199.5	149.4	200.6	149.9	94.1	202.3	151.0	197.3	151.6	90.1	189.6	152.1	181.9	153.2	124.7
137.8	187.0	142.2	75.3	188.9	142.6	190.0	143.7	71.1	191.4	144.4	191.8	144.8	66.9	185.9	145.9	178.2	146.6	137.8
150.9	177.5	135.6	55.1	178.6	136.7	179.7	137.8	50.9	181.9	137.8	183.0	138.9	46.7	180.8	140.0	173.1	140.0	150.9
164.0	168.7	130.4	40.0	169.8	131.5	171.6	131.9	35.6	173.1	132.6	174.2	133.7	31.3	174.2	134.1	167.9	134.8	164.0
177.2	160.6	125.3	26.4	161.7	126.4	163.9	126.8	21.7	165.0	127.9	165.9	128.2	17.5	167.3	129.0	162.6	130.1	177.2
180.4	158.7	124.0	23.4	159.8	125.1	162.0	125.7	18.5	163.1	126.8	164.0	126.8	14.5	165.6	127.9	161.2	129.0	180.4
187.0	155.1	121.4	17.3	156.2	122.5	158.4	123.5	-	159.5	124.6	160.4	124.6	8.4	162.0	125.7	158.2	126.8	187.0
190.3	153.2	120.2	14.3	154.3	121.3	156.5	122.4	-	157.6	123.5	158.7	123.5	-	159.8	124.6	156.5	125.7	190.3
196.9	149.9	117.9	9.3	151.0	119.0	152.8	120.2	-	154.3	121.3	155.4	121.3	-	156.5	122.4	154.0	123.5	196.9
203.4	146.6	116.3	-	148.3	116.8	149.7	117.9	-	151.0	119.0	152.1	119.0	-	153.2	120.2	151.4	121.3	203.4
216.5	140.7	112.7	-	142.6	113.0	143.7	113.9	-	144.8	115.0	145.9	115.0	-	147.3	116.1	145.9	117.2	216.5
229.7	135.6	108.9	-	136.7	109.8	137.8	110.2	-	138.9	111.3	140.0	111.3	-	142.2	112.4	140.0	113.5	229.7
242.8	130.4	105.6	-	131.5	106.4	132.6	107.1	-	133.7	108.0	135.6	108.7	-	137.1	109.4	134.7	110.2	242.8
255.9	125.7	102.4	-	126.8	103.2	127.9	104.1	-	129.0	104.8	130.4	105.6	-	131.9	106.3	129.3	107.0	255.9
269.0	121.3	99.4	-	122.4	100.3	123.5	101.0	-	124.6	101.9	125.7	102.5	-	126.8	103.2	123.5	104.1	269.0
282.2	117.6	96.8	-	118.7	97.5	119.8	98.3	-	120.9	99.1	122.0	99.7	-	120.4	100.5	116.8	101.2	282.2
295.3	113.5	94.3	-	115.0	94.9	115.7	95.8	-	116.8	96.5	117.5	97.1	-	114.2	98.0	110.3	98.6	295.3
308.4	110.2	91.9	-	111.3	92.6	112.4	93.3	-	113.5	93.9	111.3	94.6	-	108.9	95.5	103.8	96.1	308.4
321.5	103.9	89.7	-	106.9	90.4	105.5	91.1	-	104.9	91.8	102.4	92.4	-	100.6	93.1	97.0	93.7	321.5
334.6	96.6	87.5	-	100.7	88.4	98.0	89.0	-	96.1	89.6	93.8	90.0	-	92.2	89.7	89.4	89.2	334.6
347.8	88.6	85.8	-	92.6	86.4	89.9	87.1	-	88.2	87.7	85.5	86.6	-	84.0	85.1	81.4	82.5	347.8
360.9	81.1	80.9	-	85.2	83.8	82.6	82.2	-	80.8	81.3	78.2	79.1	-	76.6	77.6	73.9	75.0	360.9
374.0	74.4	75.1	-	78.3	79.1	75.7	76.5	-	73.9	74.7	71.2	72.2	-	69.7	70.7	67.0	68.1	374.0
387.1	67.9	68.6	-	71.9	72.5	69.2	69.9	-	67.5	68.3	64.8	65.7	-	63.3	64.2	60.4	61.5	387.1
400.3	62.0	62.7	-	66.0	66.6	63.3	64.0	-	61.6	62.3	58.9	59.7	-	57.4	58.1	51.7	54.5	400.3
413.4	56.4	57.1	-	60.4	61.0	57.7	58.3	-	56.0	56.7	53.4	53.3	-	51.0	50.5	42.1	45.7	413.4
426.5	51.4	51.8	-	55.1	55.6	52.2	52.9	-	50.9	51.6	44.5	45.2	-	41.4	41.2	33.7	35.3	426.5
439.6	47.0	47.7	-	50.3	50.7	48.2	48.5	-	44.2	45.9	36.4	37.3	-	32.9	32.8	25.4	26.2	439.6
452.8	41.7	42.6	-	46.3	46.7	43.7	44.3	-	37.6	39.7	29.0	29.9	-	25.0	25.1	17.8	17.9	452.8
465.9	35.7	36.6	-	42.3	42.8	38.6	39.9	-	31.1	33.1	22.3	23.8	-	17.6	18.7	10.6	10.8	465.9
469.2	34.3	-	-	41.0	41.6	37.2	38.4	-	29.7	31.5	20.9	22.3	-	16.2	17.3	8.8	9.3	469.2
472.4	33.0	-	-	39.6	40.3	35.9	36.8	-	28.2	29.9	19.5	20.9	-	14.7	15.8	-	7.7	472.4
479.0	30.2	-	-	36.9	-	33.1	33.7	-	25.4	26.7	16.7	17.9	-	11.8	12.9	-	-	479.0
482.3	-	-	-	35.5	-	31.8	32.2	-	23.9	25.2	15.3	16.5	-	10.3	11.4	-	-	482.3
485.6	-	-	-	34.2	-	30.4	-	-	22.5	23.6	13.9	15.0	-	8.8	9.9	-	-	485.6
488.8	-	-	-	33.1	-	29.2	-	-	21.2	22.0	12.6	13.6	-	-	8.6	-	-	488.8
492.1	-	-	-	-	-	27.9	-	-	19.8	-	11.2	12.2	-	-	-	-	-	492.1
495.4	-	-	-	-	-	26.6	-	-	18.6	-	9.9	10.8	-	-	-	-	-	495.4
498.7	-	-	-	-	-	25.4	-	-	17.4	-	8.6	-	-	-	-	-	-	498.7
505.3	-	-	-	-	-	-	-	-	15.0	-	-	-	-	-	-	-	-	505.3

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb		36.1-68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5	
315.0 ft		324.8 ft		334.6 ft		344.5 ft					
LSL+LF_2		LSL+LF_14		LSL+LF_2		LSL+LF_4		LSL+LF_14		LSL+LF_4	
0 lb		0 lb - 716.6 klb		0 lb		0 lb - 716.6 klb					
15°		20°		30°		15°		20°		15°	
20°		30°		15°		20°		15°		20°	
30°		15°		20°		15°		20°		15°	
15°		20°		15°		20°		15°		20°	
ft		1,000 lb									
59.1	189.6	190.7	-	-	-	-	-	-	-	-	59.1
62.3	185.2	185.7	-	-	192.9	-	194.0	-	186.3	188.5	62.3
65.6	180.8	180.8	138.9	-	188.5	-	189.6	-	183.0	184.1	65.6
68.9	176.9	176.9	136.1	-	184.1	134.5	185.2	135.6	179.1	179.7	68.9
72.2	173.1	173.1	133.4	-	179.7	132.3	180.8	132.3	175.3	175.3	72.2
78.7	165.3	165.3	127.9	83.3	170.9	126.8	172.0	127.9	167.6	167.6	78.7
85.3	157.6	157.6	123.5	81.1	163.7	122.4	164.8	123.5	160.9	160.9	85.3
91.9	151.0	151.0	119.0	78.9	156.5	117.9	157.6	119.0	154.3	154.3	91.9
98.4	145.5	145.5	115.7	76.7	150.5	114.1	151.6	115.2	147.7	147.7	98.4
111.5	135.2	135.2	108.7	73.0	138.9	107.3	140.5	108.2	137.4	137.4	111.5
124.7	125.7	125.7	102.2	69.7	129.0	101.3	130.6	102.2	128.2	128.2	124.7
137.8	116.8	116.8	96.3	66.6	120.9	95.8	122.0	96.6	120.2	120.2	137.8
150.9	110.5	110.5	91.3	63.8	113.5	90.6	114.6	91.5	112.2	113.5	150.9
164.0	101.8	104.5	86.7	61.2	107.1	86.2	108.5	87.1	101.0	107.3	164.0
177.2	90.6	98.8	82.5	58.9	101.2	82.2	102.7	83.0	86.6	101.4	177.2
190.3	79.1	93.8	78.9	57.0	95.9	78.5	97.2	79.4	75.2	96.6	190.3
203.4	68.9	89.2	75.6	55.1	91.3	75.3	92.7	76.1	64.8	92.0	203.4
216.5	59.7	85.1	72.5	53.4	87.2	72.2	88.4	73.1	55.6	87.7	216.5
229.7	53.1	81.6	69.9	51.9	83.3	69.4	84.4	70.3	48.9	84.1	229.7
242.8	46.5	78.3	67.4	50.5	80.0	67.1	81.1	68.0	42.4	80.6	242.8
255.9	39.9	75.2	65.0	49.2	76.8	64.9	77.9	65.8	35.9	77.4	255.9
269.0	34.3	72.5	63.1	48.1	73.9	62.8	75.0	63.7	30.2	74.7	269.0
282.2	29.2	70.1	61.4	47.3	71.4	61.1	72.4	61.8	25.0	72.2	282.2
295.3	24.5	67.9	59.7	46.5	69.1	59.7	70.2	60.3	20.3	69.9	295.3
308.4	21.3	66.4	58.6	45.9	67.5	58.6	68.6	59.2	17.1	68.3	308.4
321.5	20.2	65.8	58.3	-	67.0	58.2	68.1	58.9	16.0	67.8	321.5
334.6	16.2	64.0	57.0	-	65.3	57.0	66.2	57.5	12.1	65.9	334.6
347.8	12.6	62.4	56.0	-	63.7	56.0	64.5	56.4	8.4	64.2	347.8
351.1	10.9	61.9	55.6	-	63.1	55.6	63.8	56.0	-	63.4	351.1
354.3	10.1	61.6	-	-	62.7	55.3	63.4	55.8	-	63.1	354.3
360.9	9.3	61.2	-	-	62.4	-	63.1	55.6	-	62.7	360.9
364.2	8.5	60.9	-	-	62.1	-	62.7	55.3	-	62.3	364.2
367.5	7.7	60.6	-	-	61.7	-	62.4	-	-	61.9	367.5
370.7	-	-	-	-	-	-	62.1	-	-	61.6	370.7
374.0	-	-	-	-	-	-	61.8	-	-	61.3	374.0
380.6	-	-	-	-	-	-	61.5	-	-	61.0	380.6


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

LSL+LF_2 - LSL+LF_4:  36.1 ft - 62.3 ft

LSL+LF_14:  42.7 ft - 68.9 ft

 496,000 lb			 36.1 – 68.9 ft				 39.4 ft x 39.4 ft				 32.2 ft/s			360°		ASME B30.5																		
	354.3 ft								364.2 ft				374.0 ft																					
	LSL+LF_2		LSL+LF_4	LSL+LF_14	LSL+LF_4	LSL+LF_14	LSL+LF_2		LSL+LF_4	LSL+LF_14																								
	78.7 ft																																	
	0 lb – 716.6 klb																0 lb – 716.6 klb																	
	15°	20°	30°	15°	20°	15°	20°	15°	20°	15°	20°	15°	20°	30°	15°	20°	15°	20°																
ft																	1,000 lb																	ft
62.3	184.1	189.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.3															
65.6	181.9	186.3	-	-	-	-	192.9	-	-	-	194.0	-	177.5	183.0	-	-	-	194.0	-	65.6														
68.9	179.7	181.9	138.9	-	-	126.8	188.5	-	-	-	189.6	-	176.4	180.8	-	-	-	190.1	-	68.9														
72.2	177.5	177.5	135.6	-	-	124.6	184.1	134.5	-	124.6	185.2	134.5	175.3	178.6	136.7	-	-	124.6	186.3	135.6	72.2													
78.7	169.8	169.8	131.2	-	-	120.2	176.4	130.1	-	120.2	177.5	130.1	170.9	172.0	132.3	-	-	121.3	178.6	131.2	78.7													
82.0	166.4	166.4	129.0	82.9	-	117.9	172.8	127.9	-	118.5	173.9	128.1	168.1	168.7	130.1	-	-	119.0	175.3	129.0	82.0													
85.3	163.1	163.1	126.8	81.8	-	115.7	169.2	125.7	-	116.8	170.3	126.2	165.3	165.3	127.9	82.2	-	116.8	172.0	126.8	85.3													
91.9	156.5	156.5	122.4	79.8	-	112.4	162.0	121.3	-	113.5	163.1	122.4	159.8	159.8	123.5	80.2	-	113.5	165.3	122.4	91.9													
98.4	151.0	151.0	117.9	77.8	-	109.6	156.0	117.4	-	110.2	157.6	118.5	153.2	153.2	120.2	78.3	-	110.2	159.3	117.9	98.4													
111.5	140.7	140.7	111.6	74.3	-	103.7	145.0	110.6	-	104.4	146.6	111.6	142.9	142.9	113.5	74.7	-	104.8	147.7	112.4	111.5													
124.7	131.5	131.5	105.6	71.0	-	98.3	135.6	104.6	-	99.1	136.7	105.5	133.7	133.7	107.4	71.5	-	99.7	137.8	106.3	124.7													
137.8	123.5	123.5	99.9	67.9	-	93.5	127.1	99.1	-	94.4	128.2	99.9	125.7	125.7	101.6	68.6	-	95.0	129.3	100.8	137.8													
150.9	110.4	116.1	95.0	65.3	-	89.2	119.0	94.1	-	90.1	120.2	94.8	108.5	118.3	96.6	65.9	-	90.8	121.3	95.7	150.9													
164.0	96.6	109.6	90.5	62.8	-	85.1	112.7	89.7	-	86.1	113.5	90.5	92.6	112.0	92.1	63.5	-	86.7	115.4	91.3	164.0													
177.2	82.0	104.1	86.2	60.6	-	81.1	106.9	85.6	-	82.2	107.7	86.5	78.0	106.7	88.0	61.3	-	82.9	109.6	87.2	177.2													
190.3	70.5	99.1	82.5	58.6	-	77.7	101.4	81.8	-	78.7	102.7	82.7	66.6	101.6	84.3	59.2	-	79.5	104.1	83.6	190.3													
203.4	60.2	94.4	79.1	56.7	-	74.6	96.7	78.6	-	75.5	98.0	79.4	56.1	96.9	80.8	57.3	-	76.4	99.2	80.3	203.4													
216.5	50.9	90.2	76.1	54.9	-	71.7	92.3	75.5	-	72.5	93.6	76.4	46.7	92.6	77.6	55.6	-	73.4	94.7	77.2	216.5													
229.7	43.1	86.5	73.3	53.4	-	69.0	88.2	72.8	-	69.9	89.5	73.6	38.9	88.8	74.8	54.1	-	70.8	90.6	74.3	229.7													
242.8	36.5	83.0	70.7	52.0	-	66.7	84.8	70.3	-	67.5	86.0	71.1	32.3	85.2	72.2	52.7	-	68.3	87.1	71.8	242.8													
255.9	31.1	79.8	68.3	50.7	-	64.6	81.5	67.9	-	65.3	82.6	68.7	26.9	81.8	69.9	51.4	-	66.1	83.8	69.4	255.9													
269.0	25.5	76.9	66.3	49.5	-	62.7	78.5	65.9	-	63.5	79.6	66.6	21.3	79.0	67.7	50.2	-	64.2	80.7	67.2	269.0													
282.2	20.3	74.2	64.3	48.5	-	60.8	75.8	64.0	-	61.7	76.8	64.7	16.0	76.3	65.6	49.1	-	62.4	77.9	65.3	282.2													
295.3	15.4	71.9	62.4	47.6	-	59.1	73.3	62.2	-	60.0	74.2	62.9	11.0	73.6	63.7	48.1	-	60.6	75.3	63.6	295.3													
305.1	12.2	70.2	61.3	47.0	-	57.9	71.6	61.0	-	58.7	72.5	61.7	7.9	72.1	62.6	47.4	-	59.4	73.6	62.4	305.1													
308.4	11.2	69.7	60.9	46.7	-	57.5	71.0	60.6	-	58.3	71.9	61.3	-	71.5	62.2	47.2	-	59.0	73.0	61.9	308.4													
318.2	8.2	68.1	59.8	46.3	-	56.5	69.4	59.6	-	57.2	70.4	60.2	-	69.8	61.0	46.6	-	57.9	71.4	60.8	318.2													
321.5	-	67.6	59.5	46.1	-	56.2	68.9	59.3	-	56.9	69.9	59.9	-	69.4	60.6	46.4	-	57.5	70.9	60.5	321.5													
334.6	-	65.7	58.0	45.4	-	54.9	67.0	58.1	-	55.6	67.9	58.5	-	67.5	59.3	45.9	-	56.2	68.8	59.1	334.6													
347.8	-	64.2	57.0	-	-	53.9	65.3	56.9	-	54.4	66.1	57.3	-	65.7	58.0	45.3	-	55.0	67.0	57.8	347.8													
351.1	-	63.9	56.7	-	-	53.6	65.0	56.7	-	54.1	65.8	57.1	-	65.3	57.7	45.2	-	54.7	66.6	57.5	351.1													
360.9	-	62.8	56.0	-	-	53.0	64.0	56.0	-	53.4	64.7	56.4	-	64.2	56.9	-	-	54.0	65.5	56.9	360.9													
374.0	-	61.5	55.1	-	-	52.2	62.7	55.3	-	52.7	63.3	55.6	-	62.8	56.0	-	-	53.1	64.0	56.0	374.0													
377.3	-	61.2	55.1	-	-	52.0	62.4	55.1	-	52.5	63.1	55.5	-	62.5	55.8	-	-	53.0	63.7	55.8	377.3													
383.9	-	60.7	-	-	-	-	61.8	-	-	52.0	62.5	55.1	-	61.9	55.4	-	-	52.6	63.1	55.3	383.9													
387.1	-	60.4	-	-	-	-	61.5	-	-	-	62.2	54.9	-	61.7	55.3	-	-	52.4	62.6	55.1	387.1													
393.7	-	-	-	-	-	-	-	-	-	-	61.6	-	-	61.1	54.9	-	-	52.0	62.2	54.9	393.7													
397.0	-	-	-	-	-	-	-	-	-	-	61.3	-	-	60.8	-	-	-	-	61.9	-	397.0													
400.3	-	-	-	-	-	-	-	-	-	-	-	-	-	60.5	-	-	-	-	61.7	-	400.3													
406.8	-	-	-	-	-	-	-	-	-	-	-	-	-	60.0	-	-	-	-	61.1	-	406.8													



0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_4:  36.1 ft – 62.3 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb		36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5	
383.9 ft		393.7 ft		403.5 ft							
LSL+LF_4		LSL+LF_14		LSL+LF_2		LSL+LF_4		LSL+LF_14		LSL+LF_4	
				78.7 ft							
0 lb – 716.6 klb		0 lb		0 lb – 716.6 klb							
15°		20°		15°		20°		15°		20°	
15°		20°		15°		20°		15°		20°	
ft		1,000 lb								ft	
65.6	-	-	196.2	-	-	-	-	-	-	-	65.6
68.9	-	-	192.4	-	163.1	169.8	-	-	192.9	-	68.9
72.2	-	125.7	188.5	-	162.0	168.7	137.8	-	189.6	-	72.2
75.5	-	123.5	184.1	133.4	162.0	167.6	135.6	-	185.7	134.5	75.5
78.7	-	121.3	179.7	131.2	162.0	167.6	133.4	-	181.9	132.3	78.7
85.3	-	117.9	173.1	127.3	162.0	165.3	129.0	82.5	117.9	127.9	85.3
91.9	-	114.6	166.4	123.5	159.8	162.0	124.6	80.5	114.6	123.5	91.9
98.4	-	111.3	160.4	119.6	155.4	155.4	121.3	78.7	111.3	120.2	98.4
111.5	-	105.6	149.4	112.8	145.9	145.9	114.6	75.3	106.2	113.5	111.5
124.7	-	100.4	139.4	106.9	134.5	136.7	108.6	72.2	101.3	107.5	124.7
137.8	-	95.7	130.8	101.6	125.7	127.9	103.2	69.2	96.6	102.2	137.8
150.9	-	91.6	123.5	96.6	107.0	121.3	98.2	66.6	92.4	97.2	150.9
164.0	-	87.7	116.8	92.2	90.4	115.0	93.6	64.2	88.6	93.0	164.0
177.2	-	84.0	110.8	88.0	75.8	109.1	89.5	61.9	84.9	88.9	177.2
190.3	-	80.6	105.4	84.2	64.2	104.0	85.8	59.9	81.5	85.1	190.3
203.4	-	77.4	100.5	81.0	53.7	99.2	82.4	58.1	78.3	81.9	203.4
216.5	-	74.3	96.0	78.0	44.3	94.8	79.1	56.4	75.2	78.8	216.5
229.7	-	71.7	91.9	75.2	36.7	91.0	76.4	54.8	72.5	75.8	229.7
242.8	-	69.2	88.2	72.5	29.5	87.4	73.7	53.4	70.0	73.2	242.8
255.9	-	67.0	84.9	70.1	22.9	84.0	71.2	52.0	67.7	70.9	255.9
269.0	-	65.1	81.8	67.9	18.4	81.1	69.0	50.9	65.8	68.6	269.0
282.2	-	63.3	79.0	66.0	13.6	78.3	67.0	49.8	63.9	66.7	282.2
295.3	-	61.5	76.4	64.2	8.6	75.6	65.0	48.7	62.2	64.8	295.3
308.4	-	59.7	73.9	62.4	-	73.3	63.4	47.8	60.6	63.1	308.4
321.5	-	58.2	71.7	61.1	-	71.1	61.9	47.0	59.0	61.6	321.5
334.6	-	56.9	69.7	59.7	-	69.2	60.4	46.3	57.5	60.2	334.6
347.8	-	55.6	67.9	58.4	-	67.5	59.1	45.7	56.2	58.9	347.8
360.9	-	54.5	66.3	57.4	-	65.8	57.9	45.2	55.1	57.8	360.9
364.2	-	54.2	65.9	57.1	-	65.4	57.7	45.0	54.8	57.6	364.2
374.0	-	53.6	64.7	56.4	-	64.2	56.9	-	54.0	56.8	374.0
387.1	-	52.8	63.3	55.6	-	62.8	56.0	-	53.3	55.8	387.1
400.3	-	52.0	62.2	54.9	-	61.7	55.2	-	52.6	55.2	400.3
403.5	-	-	62.0	54.7	-	61.4	55.1	-	52.4	55.0	403.5
410.1	-	-	61.5	-	-	60.9	54.7	-	52.0	54.7	410.1
413.4	-	-	61.3	-	-	60.6	-	-	51.7	-	413.4
416.7	-	-	-	-	-	60.4	-	-	51.5	-	416.7
419.9	-	-	-	-	-	60.2	-	-	51.3	-	419.9
423.2	-	-	-	-	-	60.0	-	-	51.1	-	423.2
426.5	-	-	-	-	-	-	-	-	-	-	426.5
429.8	-	-	-	-	-	-	-	-	-	-	429.8

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 – LSL+LF_4: 36.1 ft – 62.3 ft

LSL+LF_14: 42.7 ft – 68.9 ft

496,000 lb 36.1-68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5													
413.4 ft 423.2 ft LSL+LF_2 LSL+LF_4 LSL+LF_14 LSL+LF_4 LSL+LF_14 78.7 ft 0 lb 0 lb - 716.6 klb 15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20°													
ft	1,000 lb												ft
68.9	148.8	155.4	-	-	-	-	194.0	-	-	-	196.2	-	68.9
72.2	148.8	155.4	-	-	-	-	189.6	-	-	-	191.8	-	72.2
75.5	148.8	154.9	134.5	-	-	137.8	186.3	135.6	-	137.8	187.9	-	75.5
78.7	148.8	154.3	132.3	-	-	135.6	183.0	133.4	-	136.7	184.1	133.4	78.7
85.3	148.8	153.2	130.1	-	-	132.3	176.4	129.0	-	133.4	177.5	129.5	85.3
88.6	148.8	153.2	128.4	81.8	-	130.6	173.1	126.8	-	131.7	174.2	127.6	88.6
91.9	148.8	153.2	126.8	80.7	-	129.0	169.8	124.6	-	130.1	170.9	125.7	91.9
98.4	146.6	149.9	122.4	78.9	-	125.7	163.7	121.3	-	126.8	164.8	121.8	98.4
111.5	141.5	144.0	115.7	75.7	-	119.0	152.7	114.6	-	120.9	153.8	115.2	111.5
124.7	131.2	137.4	109.8	72.6	-	113.4	143.3	108.8	-	115.2	144.4	109.7	124.7
137.8	124.6	130.1	104.5	69.7	-	108.7	134.8	103.8	-	109.6	136.0	104.4	137.8
150.9	105.6	123.5	99.6	67.2	-	104.1	126.8	98.8	-	105.2	127.9	99.4	150.9
164.0	88.8	117.2	95.2	64.8	-	99.9	120.2	94.4	-	100.9	121.3	95.0	164.0
177.2	74.1	111.3	91.1	62.6	-	95.9	114.2	90.3	-	96.8	115.4	91.0	177.2
190.3	62.6	106.3	87.4	60.6	-	92.2	108.9	86.6	-	93.1	110.2	87.3	190.3
203.4	52.2	101.6	83.9	58.6	-	88.7	104.1	83.3	-	89.7	105.2	83.9	203.4
216.5	42.8	97.0	80.7	56.9	-	85.3	99.5	80.1	-	86.4	100.6	80.8	216.5
229.7	35.0	93.2	77.9	55.4	-	82.4	95.2	77.2	-	83.5	96.3	78.0	229.7
242.8	27.8	89.5	75.3	54.0	-	79.7	91.6	74.6	-	80.7	92.7	75.4	242.8
255.9	21.2	86.0	72.8	52.7	-	77.2	88.1	72.2	-	78.0	89.1	72.9	255.9
269.0	16.6	83.0	70.5	51.4	-	75.1	84.9	69.9	-	75.8	85.8	70.5	269.0
282.2	11.9	80.2	68.4	50.2	-	73.1	81.9	68.0	-	73.9	83.0	68.6	282.2
292.0	8.2	78.3	66.9	49.4	-	71.7	79.9	66.6	-	72.4	80.9	67.2	292.0
295.3	-	77.6	66.4	49.2	-	71.2	79.2	66.1	-	71.9	80.2	66.7	295.3
308.4	-	75.3	64.6	48.3	-	69.3	76.7	64.4	-	70.0	77.6	64.8	308.4
321.5	-	73.0	63.0	47.5	-	67.5	74.4	62.8	-	68.2	75.3	63.4	321.5
334.6	-	70.8	61.5	46.7	-	65.9	72.3	61.3	-	66.6	73.2	61.9	334.6
347.8	-	69.0	60.2	46.1	-	64.6	70.3	60.0	-	65.1	71.2	60.4	347.8
360.9	-	67.3	58.9	45.5	-	63.3	68.6	58.8	-	63.8	69.3	59.2	360.9
374.0	-	65.7	57.8	45.0	-	61.9	66.9	57.7	-	62.4	67.5	58.1	374.0
380.6	-	65.0	57.3	44.8	-	61.5	66.1	57.2	-	61.9	66.8	57.6	380.6
387.1	-	64.2	56.7	-	-	60.9	65.3	56.7	-	61.4	66.1	57.1	387.1
400.3	-	62.9	55.9	-	-	60.0	64.1	55.8	-	60.4	64.7	56.2	400.3
413.4	-	61.7	55.1	-	-	59.1	62.9	55.0	-	59.5	63.4	55.4	413.4
426.5	-	60.7	54.5	-	-	58.4	61.7	54.5	-	58.9	62.4	54.7	426.5
436.4	-	60.0	-	-	-	-	61.1	-	-	58.4	60.4	54.5	436.4
439.6	-	59.7	-	-	-	-	60.8	-	-	-	59.5	-	439.6
449.5	-	-	-	-	-	-	-	-	-	-	56.2	-	449.5

	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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LSL+LF_2 - LSL+LF_4: 36.1 ft - 62.3 ft

LSL+LF_14: 42.7 ft - 68.9 ft

496,000 lb  36.1-68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5													
 433.1 ft 442.9 ft													
 LSL+LF_2 LSL+LF_4 LSL+LF_14 LSL+LF_4 LSL+LF_14													
 78.7 ft													
 0 lb 0 lb - 716.6 klb													
 15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20° 													
ft1,000 lbft													
72.2	134.5	138.9	-	-	-	-	192.9	-	-	-	194.0	-	72.2
78.7	134.5	138.9	124.6	-	-	136.7	185.2	133.4	-	135.6	186.3	134.5	78.7
85.3	134.5	137.8	123.5	-	-	133.4	178.6	129.5	-	133.4	179.7	130.6	85.3
88.6	134.5	137.2	123.5	82.0	-	131.2	175.3	127.6	-	131.7	176.4	128.7	88.6
91.9	134.5	136.7	123.5	80.9	-	129.0	172.0	125.7	-	130.1	173.1	126.8	91.9
98.4	134.5	136.7	122.4	79.1	-	126.8	166.4	122.4	-	126.8	167.6	122.9	98.4
111.5	132.3	133.7	116.5	76.1	-	120.2	155.4	115.7	-	120.9	156.5	116.3	111.5
124.7	125.3	130.8	111.0	73.0	-	114.6	145.5	110.0	-	115.4	146.6	110.9	124.7
137.8	120.2	127.9	106.0	70.1	-	110.0	137.1	105.1	-	110.2	138.2	105.7	137.8
150.9	101.4	124.2	101.2	67.6	-	105.5	129.0	100.1	-	106.3	130.1	100.8	150.9
164.0	86.4	119.4	96.6	65.3	-	101.2	122.4	95.8	-	102.3	123.5	96.5	164.0
177.2	71.9	113.5	92.4	63.1	-	97.2	116.5	91.8	-	98.3	117.6	92.4	177.2
190.3	60.3	108.5	88.7	61.1	-	93.5	111.3	88.0	-	94.7	112.4	88.6	190.3
203.4	49.8	103.8	85.2	59.3	-	90.1	106.3	84.6	-	91.1	107.6	85.4	203.4
216.5	40.3	99.2	82.0	57.5	-	86.9	101.6	81.5	-	87.7	102.7	82.2	216.5
229.7	32.6	95.2	79.2	56.1	-	83.9	97.4	78.7	-	84.8	98.5	79.4	229.7
242.8	25.4	91.6	76.6	54.6	-	81.1	93.8	76.1	-	82.0	94.7	76.7	242.8
255.9	18.7	88.2	74.1	53.1	-	78.5	90.2	73.6	-	79.4	91.1	74.2	255.9
269.0	13.2	85.1	71.9	52.0	-	76.4	86.9	71.2	-	77.2	87.7	71.9	269.0
282.2	8.7	82.2	69.7	50.9	-	74.3	83.9	69.3	-	75.1	84.9	69.8	282.2
285.4	7.9	81.5	69.2	50.6	-	73.9	83.2	68.8	-	74.6	84.1	69.3	285.4
295.3	-	79.4	67.7	49.8	-	72.5	81.1	67.2	-	73.2	82.0	67.9	295.3
308.4	-	76.9	65.9	48.8	-	70.6	78.5	65.5	-	71.3	79.4	66.1	308.4
321.5	-	74.6	64.2	47.9	-	68.9	76.1	63.9	-	69.4	77.1	64.5	321.5
334.6	-	72.5	62.6	47.2	-	67.2	74.0	62.4	-	67.7	74.8	63.0	334.6
347.8	-	70.6	61.3	46.5	-	65.8	71.9	60.8	-	66.2	72.8	61.5	347.8
360.9	-	68.8	60.0	45.9	-	64.4	70.1	59.7	-	64.9	70.8	60.2	360.9
374.0	-	67.0	58.6	45.2	-	63.1	68.4	58.6	-	63.5	69.1	59.1	374.0
387.1	-	65.5	57.7	44.8	-	61.9	66.8	57.5	-	62.4	67.5	58.0	387.1
393.7	-	64.8	57.1	44.5	-	61.3	66.1	57.1	-	61.7	66.7	57.5	393.7
400.3	-	64.2	56.7	-	-	60.8	65.3	56.7	-	61.3	66.0	57.0	400.3
413.4	-	62.8	55.8	-	-	60.0	63.9	55.9	-	60.4	64.7	56.1	413.4
426.5	-	61.7	55.1	-	-	59.2	62.4	55.1	-	59.5	61.9	55.3	426.5
439.6	-	60.8	54.4	-	-	58.6	58.5	54.5	-	58.8	57.0	54.7	439.6
442.9	-	60.6	54.2	-	-	58.4	57.5	54.5	-	58.6	55.7	54.6	442.9
452.8	-	60.0	-	-	-	-	54.4	-	-	58.2	51.8	52.9	452.8
456.0	-	59.7	-	-	-	-	53.4	-	-	-	50.5	-	456.0
465.9	-	-	-	-	-	-	-	-	-	-	46.5	-	465.9

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

LSL+LF_2 - LSL+LF_4: 36.1 ft - 62.3 ft

LSL+LF_14: 42.7 ft - 68.9 ft

496,000 lb 36.1-68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5													
452.8 ft 462.6 ft 78.7 ft 0 lb 0 lb - 716.6 klb 15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20°													
1,000 lb													
ft													ft
72.2	117.9	122.4	-	-	-	-	192.9	-	-	-	196.2	-	72.2
78.7	117.9	121.3	111.3	-	-	134.5	187.4	134.5	-	131.2	188.5	-	78.7
82.0	117.4	120.7	110.8	-	-	133.4	184.1	132.6	-	130.6	185.2	133.4	82.0
85.3	116.8	120.2	110.2	-	-	132.3	180.8	130.6	-	130.1	181.9	131.5	85.3
91.9	116.8	119.0	110.2	80.9	-	129.0	174.2	126.8	-	127.9	175.3	127.9	91.9
98.4	116.8	119.0	109.8	79.6	-	126.8	168.7	123.5	-	125.7	169.8	124.0	98.4
111.5	114.6	116.8	108.0	76.4	-	120.9	157.6	116.8	-	121.3	158.7	117.4	111.5
124.7	112.8	114.6	106.0	73.3	-	115.4	147.7	111.1	-	116.5	148.8	112.0	124.7
137.8	111.3	112.4	103.8	70.5	-	110.2	139.3	106.3	-	111.3	140.7	106.9	137.8
150.9	96.9	110.5	101.2	68.2	-	106.3	131.2	101.4	-	107.4	133.4	102.1	150.9
164.0	85.0	108.0	97.9	65.9	-	102.4	124.6	97.2	-	103.4	126.0	97.7	164.0
177.2	70.3	104.7	93.9	63.7	-	98.5	118.7	93.1	-	99.4	119.8	93.6	177.2
190.3	58.7	101.6	90.2	61.8	-	94.9	113.5	89.3	-	95.9	114.6	89.9	190.3
203.4	48.2	98.5	86.8	60.0	-	91.4	108.5	86.1	-	92.5	109.7	86.6	203.4
216.5	38.8	95.2	83.6	58.2	-	88.2	103.9	82.9	-	89.3	105.0	83.5	216.5
229.7	31.0	92.0	80.6	56.6	-	85.2	99.6	80.0	-	86.3	100.8	80.5	229.7
242.8	23.8	88.9	77.9	55.1	-	82.5	95.8	77.4	-	83.6	96.9	78.0	242.8
255.9	17.2	86.0	75.4	53.8	-	80.0	92.2	74.9	-	80.9	93.3	75.5	255.9
269.0	11.6	83.3	73.1	52.5	-	77.6	88.8	72.5	-	78.6	89.7	73.2	269.0
275.6	8.8	82.0	71.9	51.8	-	76.5	87.4	71.6	-	77.4	88.3	72.2	275.6
282.2	-	80.7	70.9	51.4	-	75.5	85.9	70.5	-	76.4	86.8	71.1	282.2
295.3	-	78.0	68.8	50.3	-	73.6	83.0	68.5	-	74.3	84.0	69.2	295.3
308.4	-	75.4	67.0	49.2	-	71.9	80.2	66.6	-	72.5	81.1	67.2	308.4
321.5	-	72.8	65.4	48.4	-	70.1	78.0	65.0	-	70.8	78.8	65.6	321.5
334.6	-	70.1	63.7	47.6	-	68.3	75.7	63.5	-	69.0	76.5	64.0	334.6
347.8	-	67.1	62.3	46.9	-	66.9	73.6	61.9	-	67.5	74.3	62.4	347.8
360.9	-	64.3	60.9	46.2	-	65.5	71.7	60.6	-	65.9	72.5	61.1	360.9
374.0	-	62.8	59.7	45.4	-	64.2	69.9	59.5	-	64.6	70.6	60.0	374.0
387.1	-	61.4	58.6	45.1	-	62.8	68.1	58.4	-	63.4	69.0	58.9	387.1
400.3	-	60.0	57.5	44.6	-	61.7	66.7	57.4	-	62.2	66.0	57.8	400.3
410.1	-	59.2	56.7	44.3	-	60.9	65.5	56.7	-	61.4	63.5	57.1	410.1
413.4	-	58.9	56.4	-	-	60.6	65.0	56.4	-	61.1	62.6	56.9	413.4
426.5	-	57.8	55.8	-	-	59.9	60.8	55.6	-	59.6	59.1	56.0	426.5
439.6	-	56.8	55.1	-	-	59.1	56.3	54.1	-	57.8	54.4	52.6	439.6
452.8	-	55.8	54.5	-	-	58.4	51.6	51.8	-	55.8	49.6	49.2	452.8
459.3	-	55.6	54.2	-	-	56.4	49.3	50.3	-	53.7	47.1	47.2	459.3
465.9	-	54.9	-	-	-	-	47.0	-	-	51.7	44.5	45.0	465.9
469.2	-	54.6	-	-	-	-	45.5	-	-	50.7	43.1	43.4	469.2
472.4	-	54.2	-	-	-	-	44.1	-	-	-	41.7	-	472.4
479.0	-	-	-	-	-	-	-	-	-	-	38.9	-	479.0
482.3	-	-	-	-	-	-	-	-	-	-	37.5	-	482.3

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

LSL+LF_2 - LSL+LF_4: 36.1 ft - 62.3 ft

LSL+LF_14: 42.7 ft - 68.9 ft

496,000 lb 36.1-68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5													
472.4 ft LSL+LF_2 LSL+LF_4 LSL+LF_14 LSL+LF_4 LSL+LF_14 482.3 ft													
78.7 ft													
0 lb 0 lb - 716.6 klb													
15° 20° 30° 15° 20° 15° 20° 15° 20° 15° 20°													
ft	1,000 lb												ft
75.5	103.6	107.6	-	-	-	-	192.9	-	-	-	192.9	-	75.5
78.7	103.4	107.1	-	-	-	-	189.6	-	-	-	190.7	-	78.7
82.0	103.2	106.7	98.8	-	-	124.6	186.3	133.4	-	120.2	187.4	133.4	82.0
85.3	103.0	106.3	98.3	-	-	123.5	183.0	131.5	-	120.2	184.1	132.3	85.3
91.9	102.3	105.4	97.9	79.8	-	123.5	176.4	127.9	-	120.2	177.5	127.9	91.9
98.4	101.9	104.5	97.2	78.5	-	122.4	170.3	124.6	-	120.2	171.4	124.6	98.4
111.5	100.4	102.5	95.9	75.8	-	118.7	159.3	117.9	-	117.2	160.4	118.5	111.5
124.7	98.9	100.7	94.5	73.3	-	114.6	149.9	112.3	-	113.9	151.0	113.0	124.7
137.8	97.4	98.8	93.0	71.0	-	110.2	141.8	107.5	-	110.2	142.6	107.9	137.8
150.9	91.6	96.9	91.4	68.6	-	106.3	134.5	102.5	-	106.7	134.5	103.2	150.9
164.0	82.6	94.7	89.4	66.4	-	102.4	127.1	98.3	-	103.1	127.9	98.9	164.0
177.2	67.9	92.4	86.9	64.2	-	98.5	120.9	94.3	-	99.4	122.0	94.9	177.2
190.3	56.3	90.0	84.5	62.2	-	95.2	115.7	90.6	-	96.0	116.8	91.3	190.3
203.4	45.8	87.7	82.2	60.4	-	91.9	110.6	87.2	-	92.8	111.4	87.9	203.4
216.5	36.4	85.3	79.8	58.6	-	88.8	106.0	84.1	-	89.7	107.1	84.7	216.5
229.7	28.4	82.8	77.5	57.2	-	85.9	101.6	81.1	-	86.8	102.7	81.8	229.7
242.8	21.2	80.4	75.2	55.7	-	83.1	97.8	78.5	-	84.0	98.8	79.1	242.8
255.9	14.6	78.0	73.0	54.2	-	80.7	94.2	76.0	-	81.6	95.1	76.6	255.9
269.0	8.8	75.9	71.1	53.1	-	78.3	90.8	73.6	-	79.2	91.7	74.3	269.0
282.2	-	73.6	69.1	51.9	-	76.2	87.7	71.7	-	77.0	88.6	72.2	282.2
295.3	-	71.2	67.0	50.7	-	74.3	84.8	69.7	-	75.0	85.7	70.3	295.3
308.4	-	69.0	65.0	49.7	-	72.5	82.0	67.7	-	73.3	82.9	68.3	308.4
321.5	-	66.7	63.1	48.8	-	71.0	79.7	66.1	-	71.7	80.5	66.6	321.5
334.6	-	64.6	61.1	48.1	-	69.4	77.4	64.5	-	70.1	78.3	65.0	334.6
347.8	-	62.3	58.6	47.2	-	68.0	75.2	63.1	-	68.5	76.1	63.5	347.8
360.9	-	59.5	56.2	46.5	-	66.5	73.2	61.7	-	67.0	74.0	62.2	360.9
374.0	-	56.9	55.3	45.9	-	65.0	71.4	60.5	-	65.7	72.1	60.9	374.0
387.1	-	55.6	54.6	45.3	-	63.9	69.7	59.3	-	64.4	70.3	59.7	387.1
400.3	-	54.2	54.0	44.8	-	62.7	67.0	58.2	-	63.2	66.2	58.6	400.3
413.4	-	52.9	53.6	44.3	-	61.5	62.5	57.2	-	61.9	60.6	57.2	413.4
426.5	-	51.7	53.3	44.1	-	59.5	57.8	56.2	-	59.7	55.3	55.8	426.5
439.6	-	50.6	53.0	-	-	56.9	52.9	52.1	-	56.7	50.3	50.9	439.6
452.8	-	49.6	52.9	-	-	54.2	48.1	47.9	-	53.1	45.7	46.3	452.8
465.9	-	48.6	52.9	-	-	50.4	43.4	43.7	-	49.6	40.6	41.4	465.9
475.7	-	47.6	52.9	-	-	47.0	39.2	39.7	-	45.7	36.5	37.1	475.7
479.0	-	47.2	-	-	-	-	37.8	-	-	44.2	35.1	35.7	479.0
482.3	-	46.7	-	-	-	-	36.4	-	-	42.8	33.8	34.3	482.3
485.6	-	46.3	-	-	-	-	35.1	-	-	-	32.4	32.8	485.6
492.1	-	45.4	-	-	-	-	32.2	-	-	-	29.8	-	492.1
498.7	-	-	-	-	-	-	-	-	-	-	27.1	-	498.7

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

LSL+LF_2 - LSL+LF_4: 36.1 ft - 62.3 ft

LSL+LF_14: 42.7 ft - 68.9 ft

LSL+LF_14:  42.7 ft – 68.9 ft

496,000 lb		36.1–62.3 ft			39.4 ft x 39.4 ft			32.2 ft/s			360°		ASME B30.5				
236.2 ft		255.9 ft			275.6 ft			295.3 ft			315.0 ft						
LSL+LF_2																	
118.1 ft																	
0 lb		0 lb–716.6 klb		0 lb		0 lb–716.6 klb		0 lb		0 lb–716.6 klb		0 t		0 lb–716.6 klb			
15°		20°		30°		15°		20°		30°		15°		20°		30°	
ft		1,000 lb													ft		
65.6	117.9	117.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.6
68.9	114.6	115.2	-	-	115.7	115.7	-	-	115.7	116.8	-	-	-	-	-	-	68.9
72.2	111.3	112.4	-	-	112.4	113.5	-	-	113.5	113.5	-	-	113.5	114.6	-	-	72.2
75.5	108.8	109.7	86.9	-	109.9	110.8	-	-	110.9	111.2	-	-	111.3	112.3	-	-	75.5
78.7	106.3	106.9	85.1	-	107.4	108.0	85.5	-	108.2	108.9	85.8	-	109.1	110.0	-	-	78.7
82.0	103.8	104.5	83.2	-	104.9	105.6	83.8	-	105.9	106.6	84.1	-	106.8	107.7	84.4	-	82.0
85.3	101.4	102.1	81.4	-	102.5	103.2	82.0	-	103.6	104.3	82.5	-	104.5	105.4	82.9	-	85.3
91.9	97.0	97.4	78.3	-	98.3	99.0	78.9	-	99.4	100.1	79.4	-	100.5	101.2	80.0	-	91.9
95.1	94.9	95.3	76.7	49.8	96.3	96.9	77.5	50.0	97.4	98.1	78.0	-	98.7	99.3	78.7	-	95.1
98.4	92.8	93.3	75.2	49.2	94.4	94.8	76.1	49.2	95.5	96.1	76.7	49.2	96.8	97.4	77.4	49.2	98.4
101.7	90.9	91.3	73.9	48.4	92.5	93.0	74.8	48.5	93.7	94.3	75.5	48.5	95.1	95.7	76.2	48.5	101.7
111.5	85.2	85.6	69.9	46.2	87.0	87.5	70.9	46.4	88.4	88.9	71.7	46.5	89.9	90.5	72.5	46.7	111.5
124.7	78.3	78.7	65.0	43.6	80.3	80.7	66.1	43.9	81.9	82.3	67.1	44.1	83.5	84.1	68.0	44.3	124.7
137.8	72.3	72.5	60.4	41.2	74.3	74.5	61.7	41.7	76.1	76.3	62.8	41.9	77.6	78.0	63.7	42.1	137.8
150.9	67.5	67.8	56.7	39.2	69.3	69.7	58.1	39.6	71.1	71.4	59.2	40.0	72.8	73.2	60.2	40.2	150.9
164.0	63.3	63.6	53.4	37.3	65.0	65.4	54.7	37.7	66.7	67.1	55.9	38.1	68.3	68.8	57.0	38.4	164.0
177.2	60.0	60.0	50.5	35.5	61.5	61.7	51.8	35.9	62.8	63.3	52.9	36.4	64.4	64.8	54.0	36.8	177.2
190.3	56.6	56.6	47.8	34.0	58.4	58.5	49.2	34.6	60.0	60.2	50.4	35.1	61.4	61.9	51.7	35.5	190.3
203.4	53.4	53.4	45.4	32.7	55.3	55.3	46.7	33.3	57.2	57.2	48.1	33.7	58.6	58.9	49.3	34.2	203.4
216.5	50.5	50.5	43.2	31.5	52.2	52.2	44.5	32.0	54.2	54.2	45.9	32.4	56.0	56.0	47.0	32.8	216.5
229.7	48.0	48.0	41.3	30.4	49.8	49.8	42.6	30.9	51.6	51.6	43.8	31.4	53.4	53.4	45.0	31.8	229.7
242.8	45.7	45.7	39.5	29.3	47.5	47.5	40.9	29.9	49.2	49.2	42.0	30.4	50.4	50.9	43.2	30.9	242.8
255.9	43.7	43.7	37.9	28.4	45.4	45.4	39.2	28.9	47.0	47.0	40.3	29.5	47.2	48.5	41.4	30.0	255.9
269.0	41.9	41.9	36.6	27.7	43.5	43.5	37.8	28.1	43.9	45.0	38.9	28.7	41.4	46.6	40.0	29.2	269.0
282.2	40.3	40.3	35.4	27.0	40.8	41.8	36.4	27.5	39.8	43.3	37.6	27.9	36.1	44.8	38.6	28.5	282.2
288.7	39.5	39.5	34.9	26.7	39.0	41.1	35.9	27.2	37.3	42.5	37.0	27.6	33.6	43.9	37.9	28.1	288.7
295.3	38.8	38.8	34.4	-	37.3	40.3	35.3	26.9	34.8	41.7	36.4	27.3	31.1	43.0	37.3	27.8	295.3
301.8	37.4	38.2	34.0	-	35.1	39.7	34.8	26.7	32.7	41.0	35.8	27.0	28.9	42.3	36.7	27.5	301.8
308.4	36.0	37.6	33.5	-	33.0	39.0	34.4	-	30.6	40.3	35.2	26.7	26.7	41.5	36.2	27.2	308.4
315.0	34.6	37.0	33.1	-	30.9	38.4	34.0	-	28.4	39.7	34.6	26.5	24.5	40.8	35.7	26.9	315.0
321.5	32.7	36.6	-	-	29.0	37.8	33.5	-	26.5	39.1	34.2	-	22.6	40.2	35.2	26.7	321.5
324.8	31.7	36.4	-	-	28.0	37.6	33.3	-	25.6	38.8	34.1	-	21.6	39.9	34.9	26.6	324.8
331.4	-	-	-	-	26.1	37.1	32.8	-	23.7	38.2	33.7	-	19.7	39.3	34.4	26.2	331.4
334.6	-	-	-	-	25.1	36.8	-	-	22.7	37.9	33.5	-	18.7	39.0	34.2	-	334.6
341.2	-	-	-	-	23.4	36.4	-	-	21.0	37.4	33.2	-	17.0	38.5	33.8	-	341.2
344.5	-	-	-	-	-	-	-	-	20.2	37.1	33.0	-	16.2	38.3	33.6	-	344.5
347.8	-	-	-	-	-	-	-	-	19.3	36.9	32.8	-	15.4	38.0	33.4	-	347.8
357.6	-	-	-	-	-	-	-	-	16.8	36.2	-	-	12.9	37.3	32.9	-	357.6
360.9	-	-	-	-	-	-	-	-	-	-	-	-	12.2	37.0	32.8	-	360.9
364.2	-	-	-	-	-	-	-	-	-	-	-	-	11.5	36.8	32.6	-	364.2
370.7	-	-	-	-	-	-	-	-	-	-	-	-	10.0	36.4	-	-	370.7
374.0	-	-	-	-	-	-	-	-	-	-	-	-	9.3	36.2	-	-	374.0
380.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380.6
387.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	387.1
393.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	393.7

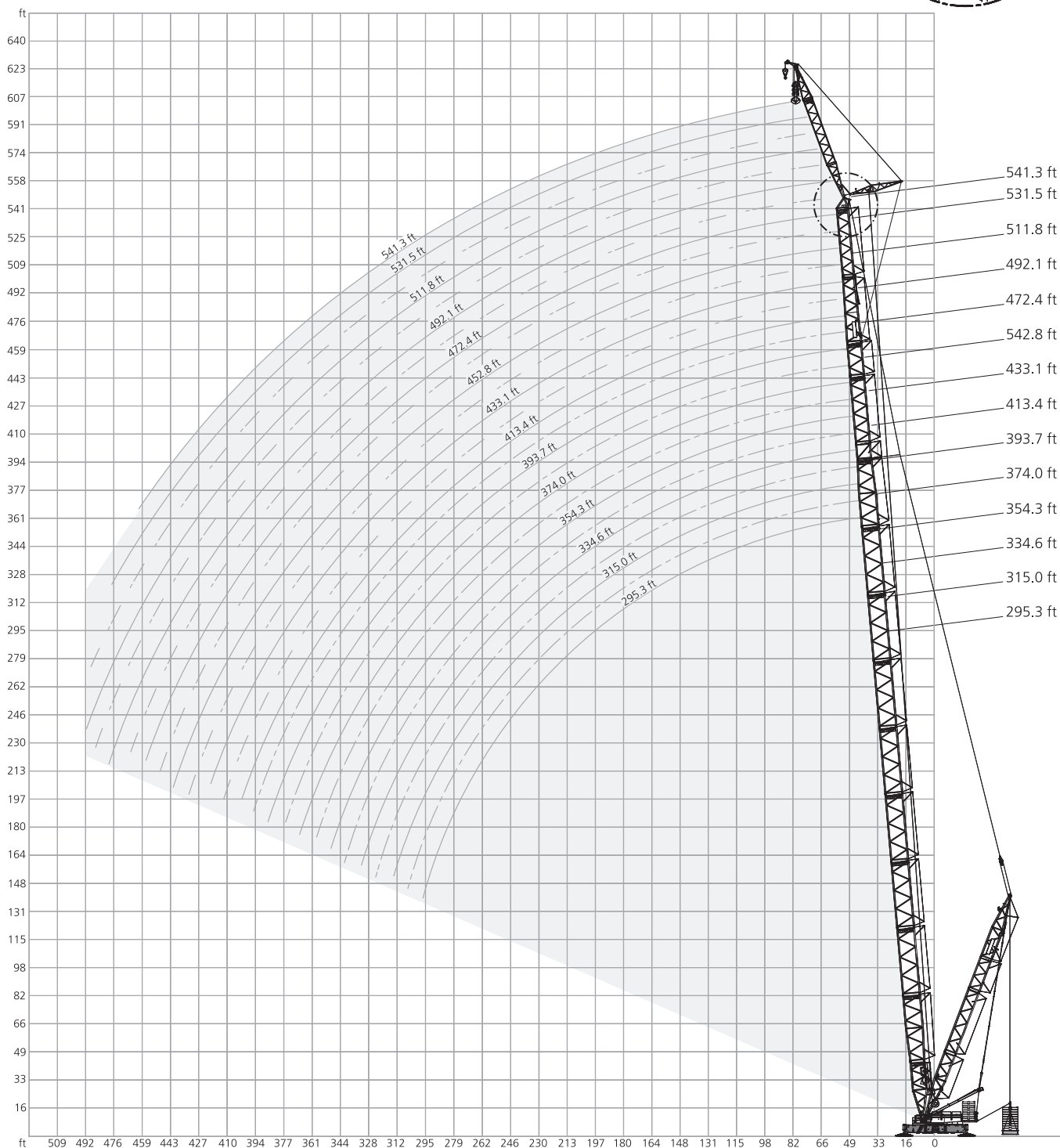
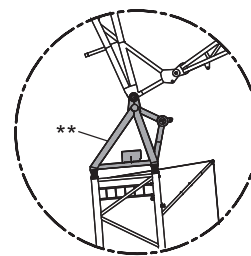
	0 lb	143,300 lb	209,500 lb	275,600 lb	363,800 lb	452,000 lb	584,300 lb	716,600 lb
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496,000 lb			36.1–62.3 ft			39.4 ft x 39.4 ft			32.2 ft/s			360°			ASME B30.5		
334.6 ft			354.3 ft			374.0 ft			393.7 ft			413.4 ft					
LSL+LF_2																	
118.1 ft																	
0 lb		0 lb–716.6 klb		0 lb		0 lb–716.6 klb		0 lb		0 lb–716.6 klb		0 lb		0 lb–716.6 klb			
15°		20°		30°		15°		20°		30°		15°		20°		30°	
ft			1,000 lb												ft		
75.5	112.4	112.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.5
78.7	110.2	110.2	-	-	110.2	111.3	-	-	110.2	111.3	-	-	-	-	-	-	78.7
82.0	108.0	108.5	-	-	108.5	109.3	-	-	108.8	109.7	-	-	106.9	108.9	-	-	82.0
85.3	105.8	106.7	83.6	-	106.7	107.4	-	-	107.4	108.0	-	-	105.8	107.4	-	-	85.3
88.6	103.9	104.7	82.1	-	104.8	105.5	82.5	-	105.6	106.2	82.7	-	104.4	105.7	-	-	88.6
91.9	102.1	102.7	80.7	-	103.0	103.6	81.1	-	103.8	104.3	81.4	-	103.0	104.1	80.9	-	91.9
98.4	98.3	99.2	78.3	-	99.2	100.1	78.5	-	100.3	101.0	78.9	-	99.9	100.8	78.7	-	98.4
101.7	96.8	97.6	77.1	48.5	97.7	98.5	77.4	-	98.8	99.4	77.9	-	98.5	99.3	77.7	-	101.7
105.0	95.2	96.0	76.0	47.9	96.2	96.9	76.4	47.8	97.3	97.8	76.9	47.8	97.1	97.9	76.7	-	105.0
108.3	93.7	94.4	74.8	47.4	94.7	95.2	75.3	47.3	95.8	96.3	75.8	47.3	95.7	96.5	75.7	47.0	108.3
111.5	92.2	92.7	73.7	46.8	93.2	93.7	74.2	46.7	94.3	94.9	74.8	46.7	94.3	95.0	74.7	46.5	111.5
124.7	86.3	86.7	69.4	44.6	87.5	87.9	70.2	44.7	88.7	89.3	70.9	44.7	89.1	89.7	71.0	44.8	124.7
137.8	80.7	81.1	65.5	42.5	82.0	82.5	66.4	42.8	83.6	84.0	67.2	42.8	84.2	84.7	67.5	42.8	137.8
150.9	75.8	76.3	62.1	40.8	77.3	77.7	63.0	41.0	78.9	79.3	63.9	41.2	79.8	80.2	64.4	41.3	150.9
164.0	71.4	71.8	58.9	39.1	72.9	73.3	59.8	39.3	74.4	74.9	60.7	39.6	75.5	76.1	61.4	39.8	164.0
177.2	67.2	67.7	55.8	37.5	68.8	69.2	56.9	37.7	70.3	70.8	57.8	38.1	71.4	72.1	58.6	38.4	177.2
190.3	63.9	64.3	53.3	36.0	65.3	65.7	54.2	36.4	65.8	67.1	55.3	36.7	66.4	68.4	56.0	37.0	190.3
203.4	60.7	61.3	51.0	34.7	60.9	62.5	51.9	35.1	60.4	63.8	52.8	35.3	60.1	65.0	53.6	35.7	203.4
216.5	58.0	58.6	48.9	33.5	57.5	59.7	49.8	34.0	53.8	60.8	50.5	34.2	51.6	61.9	51.4	34.4	216.5
229.7	52.5	56.1	47.2	32.5	49.6	57.4	47.9	32.8	45.7	58.5	48.7	33.1	43.5	59.3	49.5	33.4	229.7
242.8	47.0	53.8	45.4	31.5	42.3	55.0	46.2	31.7	38.4	56.2	47.0	32.1	36.1	56.9	47.6	32.3	242.8
255.9	41.4	51.6	43.7	30.6	35.5	52.7	44.5	30.9	31.7	54.0	45.2	31.1	29.3	54.7	45.9	31.3	255.9
269.0	35.6	49.5	42.0	29.8	30.8	50.8	42.9	30.0	26.9	52.0	43.7	30.4	23.6	52.8	44.4	30.6	269.0
282.2	30.1	47.6	40.6	29.0	25.9	48.9	41.4	29.2	22.0	50.0	42.3	29.6	18.7	50.9	42.9	29.8	282.2
295.3	25.1	45.9	39.2	28.2	20.7	47.2	40.1	28.7	17.0	48.3	41.0	28.9	14.6	48.9	41.4	29.1	295.3
308.4	20.9	44.2	38.1	27.6	16.5	45.6	38.9	28.1	12.6	46.7	39.8	28.3	10.1	47.4	40.3	28.4	308.4
315.0	18.7	43.4	37.5	27.3	14.3	44.8	38.4	27.8	10.4	45.9	39.2	28.0	7.9	46.5	39.7	28.0	315.0
321.5	16.8	42.8	37.0	27.1	12.3	44.0	37.8	27.5	8.4	45.2	38.7	27.7	-	45.9	39.2	27.9	321.5
334.6	13.0	41.4	35.9	26.7	8.4	42.5	36.6	26.9	-	43.7	37.5	27.1	-	44.5	38.1	27.3	334.6
347.8	9.5	40.2	35.1	26.4	-	41.2	35.7	26.6	-	42.3	36.4	26.7	-	43.2	37.3	26.9	347.8
354.3	7.7	39.5	34.6	26.2	-	40.6	35.3	26.5	-	41.7	35.9	26.5	-	42.5	36.8	26.7	354.3
357.6	-	39.2	34.4	26.0	-	40.3	35.1	26.4	-	41.4	35.8	26.4	-	42.3	36.6	26.6	357.6
360.9	-	38.9	34.2	-	-	40.1	34.9	26.3	-	41.1	35.6	26.3	-	42.0	36.4	26.5	360.9
374.0	-	37.9	33.5	-	-	39.0	34.2	25.8	-	39.9	34.8	26.0	-	41.0	35.5	26.0	374.0
387.1	-	37.2	32.9	-	-	38.0	33.5	-	-	39.0	34.1	25.8	-	40.0	34.8	25.8	387.1
397.0	-	36.6	32.4	-	-	37.3	33.0	-	-	38.4	33.6	-	-	39.2	34.2	25.6	397.0
400.3	-	36.5	-	-	-	37.2	32.8	-	-	38.1	33.4	-	-	39.0	34.0	25.6	400.3
403.5	-	36.3	-	-	-	37.0	32.7	-	-	37.9	33.3	-	-	38.8	33.8	25.6	403.5
410.1	-	35.9	-	-	-	36.6	32.5	-	-	37.5	33.0	-	-	38.4	33.5	-	410.1
413.4	-	-	-	-	-	36.4	32.4	-	-	37.3	32.8	-	-	38.1	33.3	-	413.4
416.7	-	-	-	-	-	36.2	-	-	-	37.1	32.7	-	-	37.9	33.2	-	416.7
426.5	-	-	-	-	-	35.7	-	-	-	36.6	32.4	-	-	37.3	32.8	-	426.5
429.8	-	-	-	-	-	-	-	-	-	36.4	32.2	-	-	37.0	32.7	-	429.8
439.6	-	-	-	-	-	-	-	-	-	35.9	-	-	-	36.6	32.4	-	439.6
442.9	-	-	-	-	-	-	-	-	-	35.7	-	-	-	36.4	32.3	-	442.9
446.2	-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	32.2	-	446.2
452.8	-	-	-	-	-	-	-	-	-	-	-	-	-	35.9	-	-	452.8
459.3	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	-	-	459.3
465.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	465.9
479.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	479.0

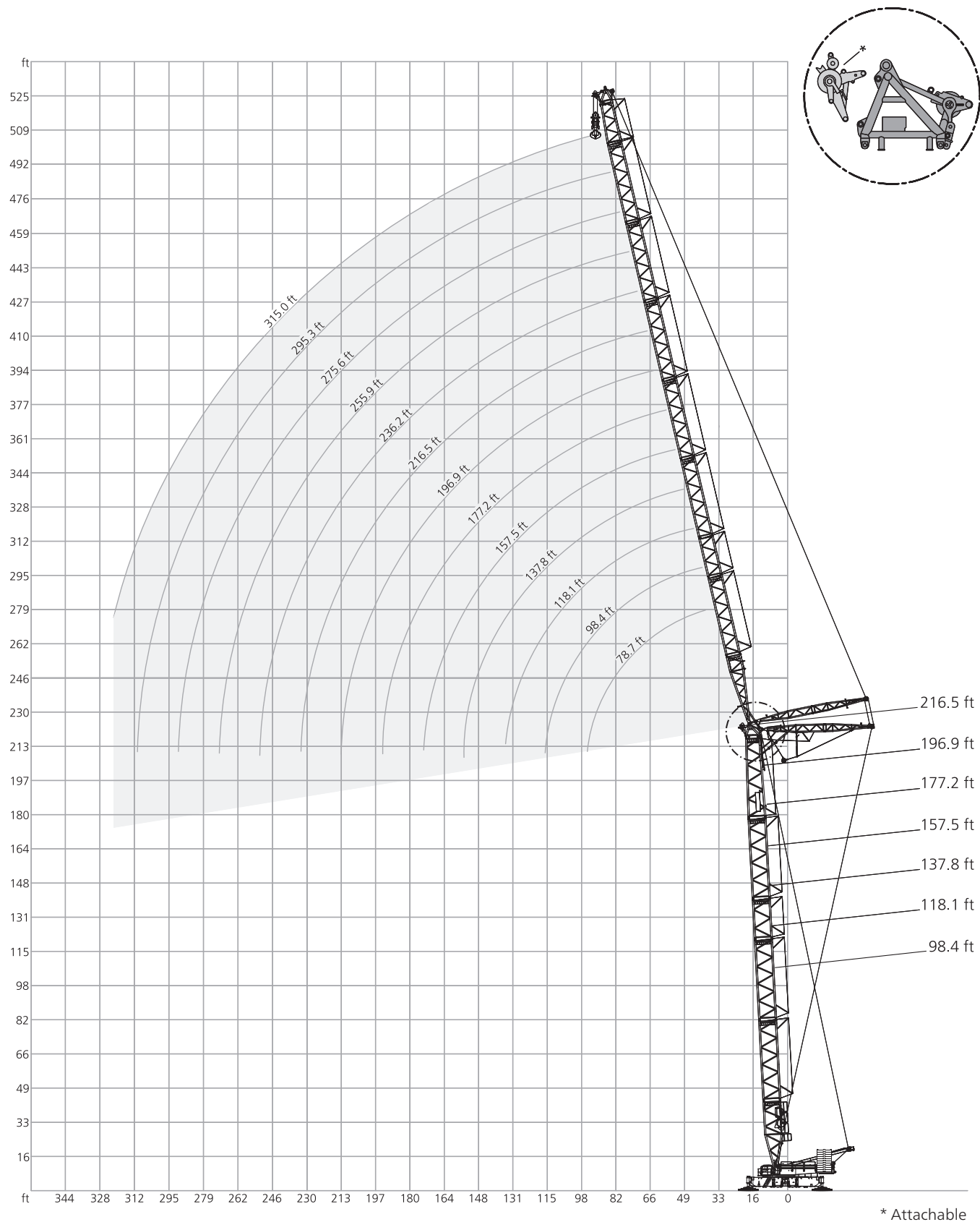

0 lb
143,300 lb
209,500 lb
275,600 lb
363,800 lb
452,000 lb
584,300 lb
716,600 lb

496,000 lb														36.1–62.3 ft			39.4 ft x 39.4 ft			32.2 ft/s			360°		ASME B30.5	
		433.1 ft					452.8 ft					472.4 ft														
		LSL+LF_2																								
		118.1 ft																								
		0 lb		0 lb – 716.6 klb			0 lb		0 lb – 716.6 klb			0 lb		0 lb – 716.6 klb												
		15°		20°		30°		15°		20°		30°		15°		20°		30°								
		ft										1,000 lb										ft				
85.3	91.5	96.3	-	-	82.5	86.2	-	-	-	-	-	-	-	-	-	-	-	-	-	85.3						
88.6	91.5	96.1	-	-	82.5	86.1	-	-	73.9	76.5	-	-	-	-	-	-	-	-	-	88.6						
91.9	91.5	95.9	-	-	82.5	86.0	-	-	73.9	76.1	-	-	-	-	-	-	-	-	-	91.9						
95.1	91.5	95.7	78.5	-	82.5	85.8	74.5	-	73.7	75.8	-	-	-	-	-	-	-	-	-	95.1						
98.4	91.5	95.5	77.6	-	82.5	85.5	74.1	-	73.6	75.6	67.2	-	-	-	-	-	-	-	-	98.4						
111.5	90.5	92.4	74.1	46.1	82.3	84.5	72.2	-	73.2	74.7	66.4	-	-	-	-	-	-	-	-	111.5						
114.8	90.2	91.7	73.3	45.6	82.3	84.3	71.8	45.2	73.1	74.5	66.1	44.8	-	-	-	-	-	-	-	114.8						
124.7	87.9	88.8	70.9	44.4	81.1	82.7	69.9	44.2	72.4	73.7	65.2	43.7	-	-	-	-	-	-	-	124.7						
137.8	83.8	84.4	67.7	42.8	78.9	80.0	66.8	42.5	71.2	72.5	63.7	41.9	-	-	-	-	-	-	-	137.8						
150.9	79.8	80.3	64.6	41.3	76.4	77.4	63.9	40.9	69.9	70.9	61.8	40.4	-	-	-	-	-	-	-	150.9						
164.0	75.9	76.4	61.7	39.8	73.9	74.7	61.1	39.5	68.6	69.3	59.8	39.0	-	-	-	-	-	-	-	164.0						
177.2	72.1	72.5	59.1	38.4	71.4	72.1	58.4	38.1	67.5	67.7	57.8	37.7	-	-	-	-	-	-	-	177.2						
190.3	64.6	69.2	56.6	37.0	63.1	69.3	55.9	36.8	59.5	65.6	55.9	36.5	-	-	-	-	-	-	-	190.3						
203.4	57.3	65.9	54.2	35.8	56.0	66.6	53.6	35.6	53.7	63.5	53.9	35.3	-	-	-	-	-	-	-	203.4						
216.5	47.6	62.8	51.8	34.6	46.3	63.9	51.6	34.4	43.9	61.3	51.8	34.2	-	-	-	-	-	-	-	216.5						
229.7	39.5	60.2	49.9	33.4	38.2	61.4	49.7	33.4	35.8	59.2	50.0	33.1	-	-	-	-	-	-	-	229.7						
242.8	32.1	57.7	48.1	32.4	30.8	58.9	47.9	32.4	28.4	57.1	48.3	32.2	-	-	-	-	-	-	-	242.8						
255.9	25.4	55.3	46.3	31.5	24.0	56.2	46.3	31.5	21.6	54.9	46.5	31.3	-	-	-	-	-	-	-	255.9						
269.0	19.6	53.6	44.8	30.6	18.2	53.9	45.0	30.6	15.7	52.7	44.8	30.6	-	-	-	-	-	-	-	269.0						
282.2	14.3	52.0	43.5	29.8	12.7	52.0	43.7	29.8	10.1	50.8	43.2	29.8	-	-	-	-	-	-	-	282.2						
285.4	13.0	51.6	43.2	29.7	11.5	51.6	43.3	29.7	8.8	50.4	43.0	29.5	-	-	-	-	-	-	-	285.4						
295.3	9.3	50.3	42.1	29.1	7.7	50.5	42.3	29.1	-	49.2	42.3	29.1	-	-	-	-	-	-	-	295.3						
298.6	7.9	49.9	41.8	29.0	-	50.2	42.0	29.1	-	48.8	42.0	28.9	-	-	-	-	-	-	-	298.6						
308.4	-	48.8	40.9	28.5	-	49.2	41.2	28.6	-	47.7	41.2	28.4	-	-	-	-	-	-	-	308.4						
321.5	-	47.3	39.8	27.9	-	47.8	40.0	27.9	-	46.2	40.1	27.7	-	-	-	-	-	-	-	321.5						
334.6	-	45.6	38.6	27.3	-	46.3	38.8	27.3	-	44.8	39.0	27.1	-	-	-	-	-	-	-	334.6						
347.8	-	44.3	37.7	26.9	-	44.8	37.9	26.9	-	43.3	38.0	26.8	-	-	-	-	-	-	-	347.8						
360.9	-	42.8	36.8	26.5	-	43.4	37.0	26.5	-	41.9	37.0	26.2	-	-	-	-	-	-	-	360.9						
374.0	-	41.7	35.9	26.0	-	42.1	36.2	26.0	-	40.3	35.9	25.8	-	-	-	-	-	-	-	374.0						
387.1	-	40.8	35.2	25.7	-	41.1	35.5	25.7	-	38.8	35.4	25.5	-	-	-	-	-	-	-	387.1						
400.3	-	39.9	34.6	25.5	-	40.1	34.8	25.4	-	37.1	34.8	25.2	-	-	-	-	-	-	-	400.3						
413.4	-	39.0	34.0	25.1	-	39.2	34.2	25.1	-	36.4	34.2	24.9	-	-	-	-	-	-	-	413.4						
426.5	-	38.3	33.5	25.0	-	38.5	33.7	25.0	-	36.0	33.6	24.8	-	-	-	-	-	-	-	426.5						
433.1	-	37.9	33.3	24.9	-	38.1	33.5	24.9	-	35.7	33.3	24.7	-	-	-	-	-	-	-	433.1						
439.6	-	37.7	33.1	-	-	38.0	33.3	24.8	-	35.6	33.1	24.6	-	-	-	-	-	-	-	439.6						
446.2	-	37.4	32.8	-	-	37.6	33.1	24.7	-	35.4	32.9	24.6	-	-	-	-	-	-	-	446.2						
452.8	-	37.0	32.6	-	-	37.3	32.8	-	-	35.3	32.6	24.5	-	-	-	-	-	-	-	452.8						
462.6	-	36.7	32.3	-	-	36.9	32.6	-	-	34.9	32.5	24.3	-	-	-	-	-	-	-	462.6						
465.9	-	36.6	32.2	-	-	36.8	32.6	-	-	34.8	32.5	-	-	-	-	-	-	-	-	465.9						
479.0	-	35.9	32.0	-	-	36.4	32.3	-	-	34.8	32.1	-	-	-	-	-	-	-	-	479.0						
482.3	-	35.8	31.7	-	-	36.4	32.2	-	-	34.8	32.1	-	-	-	-	-	-	-	-	482.3						
492.1	-	35.5	-	-	-	35.9	31.7	-	-	34.8	32.0	-	-	-	-	-	-	-	-	492.1						
495.4	-	35.3	-	-	-	35.8	31.7	-	-	34.8	31.9	-	-	-	-	-	-	-	-	495.4						
498.7	-	-	-	-	-	35.8	31.7	-	-	34.8	31.9	-	-	-	-	-	-	-	-	498.7						
511.8	-	-	-	-	-	35.3	-	-	-	34.8	31.7	-	-	-	-	-	-	-	-	511.8						
515.1	-	-	-	-	-	-	-	-	-	34.8	31.5	-	-	-	-	-	-	-	-	515.1						
518.4	-	-	-	-	-	-	-	-	-	34.8	-	-	-	-	-	-	-	-	-	518.4						
528.2	-	-	-	-	-	-	-	-	-	34.8	-	-	-	-	-	-	-	-	-	528.2						

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



* Attachable

 52.5 ft x 52.5 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					
SW_1																			
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°			
ft								1,000 lb								ft			
36.1	731.9*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1		
39.4	690.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4		
42.7	652.6*	-	-	648.2*	-	-	-	-	-	-	-	-	-	-	-	-	42.7		
45.9	619.5*	-	-	615.1*	-	-	-	584.2*	-	-	-	-	-	-	-	-	45.9		
49.2	586.4*	-	-	584.2*	-	-	-	568.8*	-	-	-	496.0*	-	-	-	-	49.2		
52.5	542.3	-	-	555.6*	-	-	-	549.0*	-	-	-	489.4*	-	-	-	-	52.5		
55.8	498.2	-	-	529.1*	-	-	-	524.7*	-	-	-	480.6*	-	-	418.9*	-	55.8		
59.1	458.6	-	-	498.2	-	-	-	500.4*	-	-	-	476.2	-	-	412.3*	-	59.1		
65.6	392.4	-	-	418.9	-	-	-	447.5*	-	-	-	445.3*	-	-	405.7	-	65.6		
72.2	346.1	-	-	361.6	-	-	-	379.2	-	-	-	401.2*	-	-	392.4	-	72.2		
78.7	306.4	341.7	-	317.5	-	-	-	330.7	-	-	-	359.4	-	-	359.4*	-	78.7		
85.3	271.2	304.2	-	286.6	310.9	-	-	291.0	-	-	-	313.1	-	-	328.5*	-	85.3		
88.6	254.6	288.8	-	273.4	295.4	-	-	275.6	-	-	-	293.2	-	-	310.9*	-	88.6		
91.9	238.1	273.4	-	260.1	280.0	-	-	260.1	-	-	-	273.4	-	-	293.2	-	91.9		
95.1	-	260.1	-	246.9	267.9	-	-	249.1	269.0	-	-	257.9	-	-	276.7*	-	95.1		
98.4	-	246.9	-	233.7	255.7	-	-	238.1	255.7	-	-	242.5	-	-	260.1*	-	98.4		
101.7	-	235.9	-	222.4	245.0	-	-	228.2	245.0	-	-	233.4	246.9	-	247.7*	-	101.7		
108.3	-	213.8	224.9	199.8	223.5	-	-	208.3	223.5	-	-	215.2	227.8	-	222.9*	227.1	108.3		
111.5	-	202.8	217.2	188.5	212.7	-	-	198.4	212.7	-	-	206.1	218.3	-	210.5*	219.4	111.5		
114.8	-	190.7	209.4	-	204.2	-	-	189.9	204.5	-	-	198.1	209.7	-	202.0*	210.5	114.8		
121.4	-	-	194.0	-	187.1	192.9	-	172.8	187.9	-	-	182.2	192.6	-	184.9*	192.9	121.4		
124.7	-	-	186.3	-	178.6	187.4	-	164.2	179.7	-	-	174.2	184.1	-	177.5	184.1	124.7		
128.0	-	-	178.2	-	170.9	181.1	-	156.5	173.3	-	-	167.3	177.5	-	171.1	177.2	128.0		
131.2	-	-	170.1	-	163.1	174.7	-	148.8	167.0	167.6	-	160.4	170.9	-	164.8	170.3	131.2		
134.5	-	-	162.0	-	-	168.4	-	-	160.7	162.6	-	153.5	164.2	-	158.5	163.4	134.5		
137.8	-	-	-	-	-	162.0	-	-	154.3	157.6	-	146.6	157.6	-	152.1	156.5	137.8		
144.4	-	-	-	-	-	149.9	-	-	142.2	148.8	-	135.0	147.2	146.6	141.1	146.1	144.4		
150.9	-	-	-	-	-	137.8	-	-	130.1	140.0	-	123.5	136.7	137.8	130.1	135.6	150.9		
154.2	-	-	-	-	-	-	-	-	-	135.0	-	-	132.0	134.2	125.1	131.5	154.2		
164.0	-	-	-	-	-	-	-	-	-	120.2	-	-	117.9	123.5	110.2	119.0	164.0		
170.6	-	-	-	-	-	-	-	-	-	111.3	-	-	108.9	116.1	102.3	111.2	170.6		
177.2	-	-	-	-	-	-	-	-	-	-	-	-	-	108.7	-	103.4	177.2		
190.3	-	-	-	-	-	-	-	-	-	-	-	-	-	94.1	-	89.1	190.3		
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203.4		
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210.0		

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft													32.2 ft/s		360°		ASME B30.5						
118.1 ft																							
177.2 ft				196.9 ft				216.5 ft				236.2 ft											
SW_1																							
87°/85°				75°				65°				87°/85°				75°				65°			
ft				1,000 lb												ft							
59.1	357.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1						
65.6	350.5*	-	-	304.2*	-	-	-	-	-	-	-	-	-	-	-	-	65.6						
68.9	348.3	-	-	302.0*	-	-	-	260.1*	-	-	-	-	-	-	-	-	68.9						
72.2	346.1	-	-	299.8*	-	-	-	257.9*	-	-	-	222.7*	-	-	-	-	72.2						
78.7	337.3	-	-	295.4	-	-	-	255.7*	-	-	-	220.5*	-	-	-	-	78.7						
85.3	321.9	-	-	291.0	-	-	-	251.3	-	-	-	218.3	-	-	-	-	85.3						
91.9	302.0*	-	-	280.0	-	-	-	249.1	-	-	-	215.0	-	-	-	-	91.9						
98.4	277.8*	-	-	266.8*	-	-	-	242.5	-	-	-	212.7	-	-	-	-	98.4						
111.5	233.7*	-	-	235.9*	-	-	-	227.1	-	-	-	206.1	-	-	-	-	111.5						
118.1	211.1*	201.7	-	217.2*	-	-	-	213.8	-	-	-	199.5	-	-	-	-	118.1						
124.7	188.5*	187.4	-	198.4*	-	-	-	201.7*	-	-	-	192.9	-	-	-	-	124.7						
128.0	180.0*	180.5	-	188.8*	178.6	-	-	194.0*	-	-	-	187.4	-	-	-	-	128.0						
134.5	162.9*	166.7	-	169.5*	166.8	-	-	180.0	166.4	-	-	176.9*	-	-	-	-	134.5						
137.8	155.4	159.8	-	159.8*	160.9	-	-	173.1	160.9	-	-	172.0*	-	-	-	-	137.8						
144.4	145.0	148.8	-	146.6*	148.8	-	-	158.7	151.0	-	-	159.3	144.4	-	-	-	144.4						
150.9	134.5	137.8	-	133.4	136.7	-	-	144.4	141.1	-	-	147.7	136.7	-	-	-	150.9						
164.0	115.7	119.0	117.9	115.7	117.9	-	-	117.9*	120.2	-	-	124.6	119.0	-	-	-	164.0						
173.9	103.8	108.8	108.7	104.3	106.9	105.4	-	106.4	107.9	-	-	107.9	106.0	-	-	-	173.9						
177.2	99.9	105.4	105.6	100.5	103.2	102.5	-	103.0	103.8	-	-	103.0*	101.6	-	-	-	177.2						
183.7	92.7	98.9	99.3	93.7	97.1	96.7	-	96.2	97.2	-	-	96.2*	94.7	-	-	-	183.7						
187.0	89.1	95.6	96.2	90.3	94.1	93.8	-	92.9	93.9	93.0	-	92.9*	91.2	-	-	-	187.0						
190.3	-	92.4	93.0	86.9	91.1	90.8	-	89.5	90.6	90.6	-	89.5	87.7	-	-	-	190.3						
196.9	-	86.4	87.6	80.9	85.5	85.4	-	83.6	85.4	85.0	-	83.8	82.1	-	82.7	-	196.9						
203.4	-	80.5	82.5	75.0	80.0	80.0	-	77.6	80.2	79.4	-	78.0	76.5	-	78.0	-	203.4						
206.7	-	77.6	80.0	72.1	77.5	77.7	-	75.0	77.9	77.0	-	75.5	74.3	-	75.6	-	206.7						
210.0	-	74.7	77.5	-	75.0	75.3	-	72.3	75.5	74.6	-	72.9	72.1	-	73.1	-	210.0						
216.5	-	-	72.5	-	69.9	70.5	-	67.0	70.8	69.9	-	67.7	67.7	-	68.1	-	216.5						
223.1	-	-	67.9	-	65.0	66.5	-	62.5	66.4	65.8	-	63.1	63.7	-	64.0	-	223.1						
226.4	-	-	65.6	-	62.6	64.4	-	60.2	64.2	63.8	-	60.7	61.7	-	62.0	-	226.4						
229.7	-	-	63.3	-	-	62.4	-	-	61.9	61.7	-	58.4	59.7	-	60.0	-	229.7						
239.5	-	-	-	-	-	56.4	-	-	55.8	56.4	-	52.5	54.1	-	54.5	-	239.5						
242.8	-	-	-	-	-	54.5	-	-	53.8	54.7	-	50.5	52.2	-	52.7	-	242.8						
246.1	-	-	-	-	-	52.5	-	-	51.8	53.0	-	48.7	50.5	-	51.1	-	246.1						
255.9	-	-	-	-	-	-	-	-	-	47.8	-	-	45.4	-	46.5	-	255.9						
265.7	-	-	-	-	-	-	-	-	-	43.0	-	-	40.6	-	42.1	-	265.7						
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.6	-	269.0						
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.8	-	282.2						
285.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.5	-	285.4						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft													32.2 ft/s			360°			ASME B30.5				
118.1 ft																							
255.9 ft				275.6 ft				295.3 ft				315.0 ft											
SW_1																							
87°/85°				75°				65°				87°/85°				75°				65°			
ft				1,000 lb												ft							
78.7	189.6 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78.7			
82.0	188.5 *	-	-	162.0 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.0			
85.3	187.4 *	-	-	160.9 *	-	-	-	137.8 *	-	-	-	-	-	-	-	-	-	-	-	85.3			
91.9	185.2	-	-	158.7 *	-	-	-	135.6 *	-	-	-	117.9 *	-	-	-	-	-	-	-	91.9			
98.4	183.0	-	-	157.6 *	-	-	-	134.5 *	-	-	-	115.7 *	-	-	-	-	-	-	-	98.4			
111.5	178.6	-	-	153.2	-	-	-	131.2	-	-	-	113.5	-	-	-	-	-	-	-	111.5			
124.7	173.1	-	-	148.8	-	-	-	127.9	-	-	-	111.3	-	-	-	-	-	-	-	124.7			
137.8	165.3 *	-	-	144.4	-	-	-	124.6	-	-	-	108.7	-	-	-	-	-	-	-	137.8			
150.9	147.7	132.3	-	136.7 *	-	-	-	121.3	-	-	-	106.0	-	-	-	-	-	-	-	150.9			
160.8	132.8	121.5	-	127.3	116.8	-	-	118.8	-	-	-	103.9	-	-	-	-	-	-	-	160.8			
164.0	127.9	117.9	-	124.6	112.4	-	-	117.9	-	-	-	103.2	-	-	-	-	-	-	-	164.0			
167.3	123.3	114.6	-	120.6	109.6	-	-	115.5	105.4	-	-	102.4	-	-	-	-	-	-	-	167.3			
177.2	109.6	104.5	-	109.1 *	101.2	-	-	108.2	97.0	-	-	100.1	90.8	-	-	-	-	-	-	177.2			
190.3	91.9 *	89.7	-	93.9 *	90.8	-	-	94.6	87.1	-	-	90.6	82.0	-	-	-	-	-	-	190.3			
203.4	79.8 *	76.9	-	80.9 *	77.4	-	-	81.1	78.3	-	-	80.0 *	73.9	-	-	-	-	-	-	203.4			
210.0	74.4	71.4	72.1	75.4 *	71.7	-	-	75.5 *	72.8	-	-	76.2 *	69.8	-	-	-	-	-	-	210.0			
216.5	69.2	66.8	67.9	69.9 *	65.9	-	-	70.1 *	67.2	-	-	72.3 *	65.7	-	-	-	-	-	-	216.5			
219.8	66.9	64.9	65.7	67.4 *	63.6	62.6	-	67.6 *	64.9	-	-	69.8 *	63.6	-	-	-	-	-	-	219.8			
229.7	60.0	59.1	59.1	60.0 *	56.7	57.5	-	60.0 *	57.8	-	-	62.4 *	57.3	-	-	-	-	-	-	229.7			
232.9	57.9	57.3	57.3	57.8 *	55.0	55.6	-	57.8 *	55.7	53.4	-	59.7 *	55.3	-	-	-	-	-	-	232.9			
242.8	51.6	52.0	51.8	51.1 *	50.0	49.6	-	51.1 *	49.4	49.4	-	52.5 *	49.2	44.8	-	-	-	-	-	242.8			
255.9	44.5	45.4	45.2	43.7 *	43.9	43.0	-	43.4	42.5	41.9	-	43.9 *	41.9	39.9	-	-	-	-	-	255.9			
259.2	42.9	43.9	43.8	42.0 *	42.3	41.6	-	41.8	41.2	40.4	-	41.9 *	40.1	38.4	-	-	-	-	-	259.2			
265.7	39.7	41.0	41.1	38.7 *	39.4	38.7	-	38.5	38.4	37.4	-	38.1 *	36.6	35.3	-	-	-	-	-	265.7			
269.0	-	39.5	39.7	37.0 *	37.9	37.3	-	36.8	37.0	35.9	-	36.2	34.8	33.7	-	-	-	-	-	269.0			
278.9	-	35.1	35.9	33.1 *	34.0	33.5	-	32.4	33.1	31.9	-	31.7	30.9	29.6	-	-	-	-	-	278.9			
282.2	-	33.7	34.6	31.1	32.6	32.2	-	30.9	31.7	30.6	-	30.2	29.5	28.2	-	-	-	-	-	282.2			
285.4	-	32.4	33.3	-	31.4	31.1	-	29.6	30.5	29.5	-	28.7	28.4	27.0	-	-	-	-	-	285.4			
295.3	-	-	29.5	-	27.6	27.8	-	25.8	26.9	26.0	-	24.7	24.9	23.4	-	-	-	-	-	295.3			
298.6	-	-	28.4	-	26.4	26.7	-	24.7	25.7	25.0	-	23.5	23.8	22.3	-	-	-	-	-	298.6			
301.8	-	-	27.2	-	25.2	25.6	-	23.6	24.6	24.0	-	22.4	22.7	21.3	-	-	-	-	-	301.8			
305.1	-	-	26.0	-	24.0	24.5	-	-	23.4	23.0	-	21.2	21.6	20.2	-	-	-	-	-	305.1			
308.4	-	-	-	-	-	23.4	-	-	22.3	22.0	-	20.1	20.5	19.2	-	-	-	-	-	308.4			
318.2	-	-	-	-	-	20.2	-	-	19.3	19.1	-	17.1	17.5	16.5	-	-	-	-	-	318.2			
321.5	-	-	-	-	-	19.2	-	-	18.3	18.1	-	16.1	16.5	15.7	-	-	-	-	-	321.5			
324.8	-	-	-	-	-	18.3	-	-	-	17.2	-	-	15.6	14.8	-	-	-	-	-	324.8			
334.6	-	-	-	-	-	-	-	-	-	14.6	-	-	12.8	12.1	-	-	-	-	-	334.6			
341.2	-	-	-	-	-	-	-	-	-	12.8	-	-	11.0	10.6	-	-	-	-	-	341.2			
347.8	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	-	-	-	-	-	347.8			

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 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										
		SW_1																						
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°								
ft		1,000 lb												ft										
39.4	681.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4							
42.7	643.8*	-	-	-	637.1*	-	-	-	-	-	-	-	-	-	-	-	42.7							
45.9	610.7*	-	-	-	604.1*	-	-	549.0*	-	-	-	-	-	-	-	-	45.9							
49.2	579.8*	-	-	-	575.4*	-	-	537.9*	-	-	469.6*	-	-	-	-	-	49.2							
52.5	546.7	-	-	-	546.7*	-	-	526.9*	-	-	460.8*	-	-	-	-	-	52.5							
55.8	504.9	-	-	-	522.5*	-	-	515.9*	-	-	454.2*	-	-	-	396.8*	-	55.8							
59.1	463.0	-	-	-	498.2*	-	-	493.8*	-	-	454.2	-	-	-	390.2*	-	59.1							
65.6	396.8	-	-	-	423.3	-	-	445.3*	-	-	429.9	-	-	-	385.8	-	65.6							
72.2	346.1	-	-	-	366.0	-	-	388.0	-	-	399.0*	-	-	-	374.8	-	72.2							
78.7	308.6	-	-	-	319.7	-	-	335.1	-	-	359.4*	-	-	-	354.9*	-	78.7							
82.0	292.1	319.7	-	-	303.1	-	-	314.2	-	-	338.4*	-	-	-	340.6*	-	82.0							
85.3	275.6	302.0	-	-	286.6	-	-	293.2	-	-	319.7	-	-	-	326.3*	-	85.3							
88.6	259.0	287.7	-	-	273.4	-	-	276.7	-	-	298.7	-	-	-	313.1*	-	88.6							
91.9	242.5	273.4	-	-	260.1	275.6	-	260.1	-	-	280.0*	-	-	-	299.8*	-	91.9							
95.1	229.3	260.1	-	-	248.0	263.5	-	249.1	-	-	264.6*	-	-	-	286.6*	-	95.1							
98.4	-	246.9	-	-	235.9	251.3	-	238.1	253.5	-	249.1*	-	-	-	273.4*	-	98.4							
108.3	-	215.5	-	-	202.8	219.9	-	209.2	220.5	-	216.1*	224.9	-	-	233.7*	-	108.3							
111.5	-	205.0	-	-	191.8	209.4	-	199.5	210.5	-	205.0*	215.0	-	-	220.5*	-	111.5							
114.8	-	195.1	-	-	181.9	201.7	-	191.3	202.3	-	197.0*	206.7	-	-	209.7*	207.2	114.8							
118.1	-	185.2	192.9	-	-	194.0	-	183.0	194.0	-	189.6	198.4	-	-	199.0*	198.4	118.1							
124.7	-	-	180.8	-	-	178.6	-	166.4	177.5	-	175.3	181.9	-	-	177.5*	180.8	124.7							
128.0	-	-	174.2	-	-	171.4	-	158.7	171.4	-	168.7	175.3	-	-	170.9*	174.2	128.0							
131.2	-	-	167.6	-	-	164.2	166.4	151.0	165.3	-	162.0	168.7	-	-	164.2	167.6	131.2							
137.8	-	-	154.3	-	-	149.9	156.5	-	153.2	-	148.8	155.4	-	-	152.1	154.3	137.8							
141.1	-	-	147.7	-	-	-	151.6	-	147.7	146.6	143.0	150.5	-	-	146.6	149.1	141.1							
147.6	-	-	-	-	-	141.6	-	136.7	137.1	131.5	140.5	-	-	-	135.6	138.6	147.6							
150.9	-	-	-	-	-	136.7	-	131.2	132.3	125.7	135.6	133.4	-	-	130.1	133.4	150.9							
157.5	-	-	-	-	-	126.4	-	120.2	123.5	-	126.2	124.6	-	-	120.7	125.1	157.5							
160.8	-	-	-	-	-	121.3	-	-	119.0	-	121.5	120.2	-	-	116.0	121.0	160.8							
164.0	-	-	-	-	-	-	-	-	-	114.6	-	116.8	115.7	-	111.3	116.8	113.5	164.0						
167.3	-	-	-	-	-	-	-	-	-	110.9	-	112.9	112.4	-	107.4	113.3	110.3	167.3						
170.6	-	-	-	-	-	-	-	-	-	107.3	-	109.0	109.1	-	103.4	109.7	107.0	170.6						
177.2	-	-	-	-	-	-	-	-	-	99.9	-	101.2	102.5	-	-	102.5	100.5	177.2						
180.4	-	-	-	-	-	-	-	-	-	95.9	-	-	99.4	-	-	99.2	97.6	180.4						
190.3	-	-	-	-	-	-	-	-	-	-	-	90.2	-	-	-	89.1	88.8	190.3						
193.6	-	-	-	-	-	-	-	-	-	-	-	87.1	-	-	-	85.8	86.3	193.6						
200.1	-	-	-	-	-	-	-	-	-	-	-	80.9	-	-	-	-	81.1	200.1						
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78.5	203.4						
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.6	216.5						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft													32.2 ft/s		360°		ASME B30.5	
137.8 ft																		
177.2 ft				196.9 ft				216.5 ft				236.2 ft						
SW_1																		
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°						
ft				1,000 lb											ft			
59.1	339.5*	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1			
65.6	332.9*	-	-	288.8*	-	-	-	-	-	-	-	-	-	-	65.6			
68.9	332.9	-	-	286.6*	-	-	-	249.1*	-	-	-	-	-	-	68.9			
72.2	328.5	-	-	284.4*	-	-	-	246.9*	-	-	-	213.8*	-	-	72.2			
78.7	321.9	-	-	282.2	-	-	-	242.5*	-	-	-	211.6*	-	-	78.7			
85.3	310.9	-	-	277.8	-	-	-	240.3	-	-	-	208.3	-	-	85.3			
91.9	295.4*	-	-	269.0	-	-	-	235.9	-	-	-	206.1	-	-	91.9			
98.4	273.4*	-	-	257.9*	-	-	-	231.5	-	-	-	203.9	-	-	98.4			
111.5	231.5*	-	-	231.5*	-	-	-	219.4	-	-	-	197.3	-	-	111.5			
124.7	189.6*	184.1	-	196.2*	-	-	-	197.3*	-	-	-	188.5	-	-	124.7			
131.2	172.5*	170.3	-	178.6*	167.6	-	-	183.5*	-	-	-	177.5	-	-	131.2			
137.8	155.4	156.5	-	162.0	156.5	-	-	169.8	-	-	-	168.7*	-	-	137.8			
141.1	150.2	151.0	-	154.9	151.0	-	-	163.1	146.6	-	-	162.9*	-	-	141.1			
147.6	139.7	140.0	-	140.5	140.0	-	-	149.9	137.8	-	-	151.3*	133.4	-	147.6			
150.9	134.5	134.5	-	133.4	134.5	-	-	143.3	133.4	-	-	145.5*	130.1	-	150.9			
164.0	115.7	116.8	-	115.7	114.6	-	-	117.9	113.5	-	-	123.5	114.6	-	164.0			
173.9	104.3	106.6	103.4	104.7	104.1	-	-	106.7*	102.3	-	-	107.9*	102.4	-	173.9			
177.2	100.5	103.2	100.1	101.0	100.5	-	-	103.0*	98.5	-	-	103.4*	98.3	-	177.2			
183.7	93.7	97.1	94.1	94.1	94.6	91.3	-	96.1	92.2	-	-	96.7*	91.6	-	183.7			
190.3	86.9	91.1	88.2	87.3	88.6	85.5	-	89.5	85.8	-	-	89.9*	84.9	-	190.3			
193.6	-	88.2	85.6	84.4	86.1	82.9	-	86.6	83.3	82.2	-	86.9*	82.1	-	193.6			
203.4	-	79.8	78.0	75.6	78.5	75.2	-	77.8	75.8	74.3	-	77.8	73.9	-	203.4			
206.7	-	77.2	75.8	73.0	76.1	73.0	-	75.2	73.7	72.0	-	75.3	71.4	70.1	206.7			
210.0	-	74.5	73.6	70.3	73.6	70.8	-	72.6	71.5	69.8	-	72.8	69.3	67.8	210.0			
213.3	-	71.9	71.4	-	71.2	68.6	-	70.1	69.4	67.5	-	70.2	67.2	65.4	213.3			
216.5	-	-	69.2	-	68.8	66.4	-	67.5	67.2	65.3	-	67.7	65.0	63.1	216.5			
223.1	-	-	65.1	-	64.4	62.6	-	62.9	63.2	61.4	-	63.2	61.3	58.9	223.1			
226.4	-	-	63.1	-	62.2	60.7	-	60.6	61.1	59.5	-	60.9	59.4	57.1	226.4			
229.7	-	-	61.1	-	60.0	58.9	-	59.1	59.1	57.5	-	58.6	57.5	55.3	229.7			
232.9	-	-	59.1	-	58.0	57.1	-	57.2	57.2	55.8	-	56.7	55.8	53.6	232.9			
236.2	-	-	57.1	-	-	55.3	-	55.3	55.3	54.2	-	54.8	54.1	51.9	236.2			
242.8	-	-	-	-	-	51.8	-	51.6	50.9	50.9	-	50.9	50.7	48.5	242.8			
246.1	-	-	-	-	-	50.2	-	49.9	49.4	49.4	-	49.2	49.1	47.0	246.1			
252.6	-	-	-	-	-	46.8	-	46.5	46.5	46.5	-	-	45.7	44.0	252.6			
255.9	-	-	-	-	-	45.2	-	-	-	45.0	-	-	44.1	42.5	255.9			
269.0	-	-	-	-	-	-	-	-	-	39.2	-	-	38.1	37.3	269.0			
272.3	-	-	-	-	-	-	-	-	-	37.8	-	-	36.8	36.0	272.3			
275.6	-	-	-	-	-	-	-	-	-	36.4	-	-	-	34.8	275.6			
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	32.4	282.2			
292.0	-	-	-	-	-	-	-	-	-	-	-	-	-	28.7	292.0			

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft				 32.2 ft/s				360°		ASME B30.5							
 137.8 ft																	
255.9 ft				275.6 ft				295.3 ft				315.0 ft					
SW_1																	
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°					
ft				1,000 lb										ft			
78.7	181.9 *	-	-	-	-	-	-	-	-	-	-	-	78.7				
82.0	180.8 *	-	-	154.3 *	-	-	-	-	-	-	-	-	82.0				
85.3	179.7 *	-	-	153.2 *	-	-	-	132.3 *	-	-	-	-	85.3				
91.9	177.5	-	-	152.1 *	-	-	-	130.1 *	-	-	-	112.4 *	91.9				
98.4	175.3	-	-	149.9	-	-	-	129.0 *	-	-	-	111.3 *	98.4				
111.5	172.0	-	-	146.6	-	-	-	126.8 *	-	-	-	109.8 *	111.5				
124.7	166.4	-	-	143.3	-	-	-	123.5	-	-	-	107.1 *	124.7				
137.8	159.8 *	-	-	140.0	-	-	-	120.2	-	-	-	104.7	137.8				
150.9	144.4 *	-	-	133.4 *	-	-	-	116.8	-	-	-	102.3	150.9				
157.5	135.0 *	117.9	-	126.2	-	-	-	114.6	-	-	-	101.0	157.5				
164.0	125.7	111.3	-	121.3	106.3	-	-	112.4	-	-	-	99.6	164.0				
173.9	112.9	102.1	-	110.0	97.7	-	-	106.5	93.3	-	-	97.5	173.9				
177.2	108.7	99.0	-	106.3	94.8	-	-	104.5	90.6	-	-	96.8	177.2				
180.4	104.2	95.8	-	102.6	92.2	-	-	101.4	88.2	-	-	94.8	180.4				
190.3	92.4 *	86.4	-	91.5	84.7	-	-	92.2	80.9	-	-	88.8	190.3				
203.4	80.2 *	74.1	-	78.5 *	74.3	-	-	80.9 *	72.5	-	-	79.6 *	203.4				
216.5	69.2 *	64.2	61.9	67.9 *	63.1	-	-	70.3 *	63.5	-	-	72.5 *	216.5				
229.7	60.0	56.2	54.2	58.4 *	54.0	51.1	-	60.2 *	54.2	-	-	63.3 *	229.7				
239.5	53.8	51.4	48.9	52.1 *	48.9	46.4	-	53.4 *	48.4	43.9	-	55.7 *	239.5				
242.8	51.8	49.8	47.2	50.0	47.2	44.8	-	51.1 *	46.5	42.5	-	53.1 *	242.8				
252.6	46.3	45.2	42.5	44.8	43.0	40.0	-	45.2 *	41.5	38.4	-	46.4 *	252.6				
255.9	44.8	43.7	41.0	43.0	41.4	38.4	-	43.2 *	39.9	37.0	-	44.1 *	255.9				
262.5	41.7	40.9	38.4	39.8	38.8	35.5	-	39.8	37.3	34.2	-	40.1 *	262.5				
265.7	40.1	39.5	37.0	38.2	37.5	34.3	-	38.2	35.9	32.7	-	38.1 *	265.7				
269.0	-	37.9	35.7	36.6	36.2	33.1	-	36.6	34.6	31.3	-	36.2 *	269.0				
278.9	-	34.0	32.2	32.6	32.4	29.4	-	32.3	30.8	27.5	-	31.3	278.9				
282.2	-	32.6	31.1	31.3	31.1	28.2	-	30.9	29.5	26.2	-	29.8	282.2				
285.4	-	31.4	30.0	30.0	29.9	27.2	-	29.6	28.4	25.2	-	28.4	285.4				
288.7	-	30.2	28.9	-	28.7	26.2	-	28.3	27.3	24.1	-	27.1	288.7				
295.3	-	-	26.7	-	26.2	24.3	-	25.8	25.1	22.0	-	24.5	295.3				
298.6	-	-	25.6	-	25.2	23.3	-	24.8	24.0	21.1	-	23.4	298.6				
305.1	-	-	23.5	-	23.1	21.3	-	22.7	21.8	19.2	-	21.2	305.1				
308.4	-	-	22.5	-	22.0	20.3	-	-	20.9	18.3	-	20.1	308.4				
311.7	-	-	21.6	-	-	19.3	-	-	20.0	17.4	-	19.1	311.7				
318.2	-	-	-	-	-	17.5	-	-	18.0	15.7	-	17.1	318.2				
321.5	-	-	-	-	-	16.5	-	-	17.0	14.8	-	16.1	321.5				
328.1	-	-	-	-	-	14.9	-	-	15.2	13.2	-	13.2	328.1				
331.4	-	-	-	-	-	14.1	-	-	-	12.5	-	12.3	331.4				
334.6	-	-	-	-	-	-	-	-	-	11.7	-	11.5	334.6				
344.5	-	-	-	-	-	-	-	-	-	9.3	-	9.0	344.5				

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 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									
		SW_1																					
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°							
		1,000 lb																					
ft																	ft						
39.4	670.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4						
42.7	632.7*	-	-	-	579.8*	-	-	-	-	-	-	-	-	-	-	-	42.7						
45.9	599.7*	-	-	-	566.6*	-	-	-	-	-	-	-	-	-	-	-	45.9						
49.2	571.0*	-	-	-	555.6*	-	-	489.4*	-	-	-	-	-	-	-	-	49.2						
52.5	542.3*	-	-	-	537.9*	-	-	480.6*	-	-	423.3*	-	-	-	-	-	52.5						
55.8	511.5	-	-	-	513.7*	-	-	471.8*	-	-	416.7*	-	-	366.0*	-	-	55.8						
59.1	456.4	-	-	-	489.4*	-	-	469.6	-	-	410.1*	-	-	361.6*	-	-	59.1						
65.6	388.0	-	-	-	421.1	-	-	440.9*	-	-	403.4	-	-	352.7*	-	-	65.6						
72.2	337.3	-	-	-	359.4	-	-	383.6	-	-	388.0	-	-	348.3	-	-	72.2						
78.7	299.8	-	-	-	310.9	-	-	328.5	-	-	352.7*	-	-	339.5	-	-	78.7						
85.3	266.8	-	-	-	275.6	-	-	286.6	-	-	317.5	-	-	317.5*	-	-	85.3						
88.6	251.3	275.6	-	-	263.5	-	-	269.0	-	-	295.4	-	-	306.4*	-	-	88.6						
91.9	235.9	262.4	-	-	251.3	-	-	251.3	-	-	277.8*	-	-	295.4*	-	-	91.9						
95.1	222.7	249.1	-	-	239.2	-	-	239.2	-	-	261.2*	-	-	283.3*	-	-	95.1						
98.4	-	235.9	-	-	227.1	240.3	-	227.1	-	-	244.7*	-	-	271.2*	-	-	98.4						
105.0	-	216.6	-	-	206.1	220.5	-	209.4	220.5	-	221.0*	-	-	243.6*	-	-	105.0						
111.5	-	197.3	-	-	185.2	200.6	-	191.8	200.6	-	197.3*	202.8	-	216.1*	-	-	111.5						
114.8	-	188.5	-	-	175.3	192.9	-	183.8	192.9	-	189.3*	194.0	-	204.5*	-	-	114.8						
121.4	-	170.9	-	-	-	177.5	-	167.8	177.5	-	174.2	178.6	-	181.3*	178.6	-	121.4						
124.7	-	162.0	-	-	-	169.8	-	159.8	169.8	-	167.6	170.9	-	169.8*	170.9	-	124.7						
128.0	-	-	165.3	-	-	163.4	-	152.5	163.7	-	161.2	164.5	-	163.4*	164.5	-	128.0						
134.5	-	-	152.9	-	-	150.7	-	137.8	151.6	-	148.5	151.8	-	150.7*	151.8	-	134.5						
137.8	-	-	146.6	-	-	144.4	144.4	-	145.5	-	142.2	145.5	-	144.4	145.5	-	137.8						
144.4	-	-	135.6	-	-	132.3	134.1	-	135.0	-	130.6	136.1	-	134.5	135.0	-	144.4						
147.6	-	-	130.1	-	-	129.3	-	129.8	129.8	-	124.8	131.5	-	129.5	129.8	-	147.6						
150.9	-	-	124.6	-	-	124.6	-	124.6	122.4	119.0	126.8	-	-	124.6	124.6	-	150.9						
154.2	-	-	-	-	-	120.6	-	119.8	118.6	114.6	122.6	-	-	120.0	120.8	-	154.2						
160.8	-	-	-	-	-	112.7	-	110.2	111.1	-	114.4	111.3	110.8	113.2	-	160.8							
164.0	-	-	-	-	-	108.7	-	107.4	107.4	-	110.2	107.6	106.3	109.3	-	164.0							
167.3	-	-	-	-	-	104.3	-	103.9	103.9	-	106.5	104.3	102.3	106.0	-	167.3							
170.6	-	-	-	-	-	-	-	100.5	100.5	-	102.8	101.1	98.3	102.6	97.9	170.6							
173.9	-	-	-	-	-	-	-	97.1	97.1	-	99.2	97.8	94.4	99.3	94.8	173.9							
177.2	-	-	-	-	-	-	-	93.7	93.7	-	95.5	94.6	-	95.9	91.7	177.2							
180.4	-	-	-	-	-	-	-	90.4	90.4	-	91.7	91.8	-	92.8	89.0	180.4							
187.0	-	-	-	-	-	-	-	83.8	83.8	-	-	86.1	-	86.6	83.4	187.0							
190.3	-	-	-	-	-	-	-	-	-	-	-	83.3	-	83.6	80.7	190.3							
200.1	-	-	-	-	-	-	-	-	-	-	-	75.4	-	75.0	73.6	200.1							
203.4	-	-	-	-	-	-	-	-	-	-	-	72.8	-	-	71.2	203.4							
206.7	-	-	-	-	-	-	-	-	-	-	-	70.1	-	-	69.1	206.7							
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.6	216.5							
226.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.4	226.4							

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft													32.2 ft/s	360°	ASME B30.5
157.5 ft															
177.2 ft				196.9 ft				216.5 ft			236.2 ft				
SW_1															
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°			87°/85° 75° 65°				
ft				1,000 lb											ft
62.3	310.9*	-	-	-	-	-	-	-	-	-	-	-	-	62.3	
65.6	308.6*	-	-	269.0*	-	-	-	-	-	-	-	-	-	65.6	
68.9	305.3*	-	-	266.8*	-	-	-	231.5*	-	-	-	-	-	68.9	
72.2	304.2	-	-	264.6*	-	-	-	229.3*	-	-	-	-	-	72.2	
75.5	300.9	-	-	262.4*	-	-	-	228.2*	-	-	-	199.5*	-	75.5	
78.7	297.6	-	-	262.4	-	-	-	227.1*	-	-	-	198.4*	-	78.7	
85.3	293.2	-	-	257.9	-	-	-	222.7	-	-	-	195.1*	-	85.3	
91.9	277.8	-	-	253.5	-	-	-	220.5	-	-	-	192.9	-	91.9	
98.4	262.4*	-	-	244.7	-	-	-	218.3	-	-	-	190.7	-	98.4	
111.5	227.1*	-	-	222.7*	-	-	-	207.2	-	-	-	185.2	-	111.5	
124.7	185.2*	-	-	191.8*	-	-	-	191.8*	-	-	-	179.7	-	124.7	
128.0	175.8*	168.7	-	183.0*	-	-	-	184.6*	-	-	-	175.0	-	128.0	
137.8	147.7*	146.6	-	156.5*	145.5	-	-	164.2	-	-	-	163.1*	-	137.8	
144.4	137.2*	136.1	-	141.6*	133.4	-	-	151.0	133.4	-	-	151.6*	-	144.4	
150.9	126.8	125.7	-	126.8	121.3	-	-	137.8	123.5	-	-	140.0	-	150.9	
154.2	122.6	121.6	-	122.5	117.1	-	-	131.5	118.9	-	-	134.8	117.9	154.2	
164.0	110.2	109.6	-	109.8*	104.5	-	-	112.4	105.4	-	-	119.0	106.0	164.0	
177.2	95.0	95.7	-	95.0	90.6	-	-	96.3*	90.6	-	-	97.4	90.4	177.2	
183.7	88.4	90.1	84.7	88.5	85.0	-	-	89.7*	84.7	-	-	90.6*	83.8	183.7	
187.0	85.1	87.2	82.1	85.3	82.2	-	-	86.4	81.7	-	-	87.4*	80.5	187.0	
190.3	81.8	84.4	79.6	82.0	79.4	-	-	83.3	78.7	-	-	84.2*	77.2	190.3	
193.6	-	81.8	77.2	79.2	77.1	73.9	-	80.6	76.2	-	-	81.4*	74.5	193.6	
203.4	-	74.1	70.1	70.8	70.1	66.8	-	72.3	68.8	65.5	-	72.8*	66.8	203.4	
210.0	-	69.3	66.0	65.7	65.7	62.8	-	67.4	64.8	61.2	-	67.7*	62.5	210.0	
216.5	-	64.6	61.9	-	61.5	58.9	-	62.4	60.8	57.1	-	62.8	58.2	216.5	
219.8	-	62.2	60.2	-	59.5	56.9	-	60.3	59.0	55.3	-	60.7	56.5	219.8	
223.1	-	-	58.4	-	57.5	55.1	-	58.2	57.2	53.6	-	58.5	54.8	223.1	
229.7	-	-	54.9	-	53.6	51.6	-	54.0	53.6	50.0	-	54.2	51.4	229.7	
239.5	-	-	49.6	-	48.1	47.0	-	-	48.4	45.4	-	48.6	46.6	239.5	
242.8	-	-	47.8	-	-	45.4	-	-	46.7	43.9	-	46.7	45.0	242.8	
246.1	-	-	46.1	-	-	44.0	-	-	45.1	42.5	-	45.0	43.5	246.1	
249.3	-	-	-	-	-	42.5	-	-	43.5	41.2	-	43.2	42.0	249.3	
255.9	-	-	-	-	-	39.7	-	-	40.3	38.6	-	-	39.0	255.9	
262.5	-	-	-	-	-	36.8	-	-	-	36.0	-	-	36.2	262.5	
269.0	-	-	-	-	-	-	-	-	-	33.5	-	-	33.5	269.0	
275.6	-	-	-	-	-	-	-	-	-	31.1	-	-	30.9	275.6	
282.2	-	-	-	-	-	-	-	-	-	28.7	-	-	-	282.2	
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	295.3	
301.8	-	-	-	-	-	-	-	-	-	-	-	-	-	301.8	

	143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb
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143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft													 32.2 ft/s			360°		ASME B30.5	
 157.5 ft																			
 255.9 ft 275.6 ft 295.3 ft 315.0 ft SW_1  87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 																			
ft				1,000 lb										ft					
78.7	170.9 *			-			-			-			-			78.7			
82.0	169.8 *			-			145.5 *			-			-			82.0			
85.3	168.7 *			-			144.4 *			-			-			85.3			
88.6	168.1 *			-			143.9 *			-			123.5 *			88.6			
91.9	167.6 *			-			143.3 *			-			123.5 *			106.9 *			
98.4	165.3			-			142.2 *			-			122.4 *			105.8 *			
111.5	162.0			-			137.8			-			119.0			103.8 *			
124.7	157.6			-			134.5			-			116.8			101.4 *			
137.8	149.9			-			131.2			-			113.5			99.0 *			
150.9	137.8			-			125.7 *			-			111.3			96.6			
164.0	121.3			104.3			-			115.7			-			106.5			
170.6	112.3			98.4			-			108.6			92.6			-			
177.2	103.4			92.6			-			101.4			87.7			-			
180.4	98.9			88.9			-			97.6			85.2			-			
187.0	90.0			81.6			-			90.0			80.0			-			
190.3	86.0 *			78.0			-			86.2			77.4			-			
203.4	74.5 *			66.6			-			71.9 *			65.5			-			
216.5	64.2 *			57.3			-			62.2 *			55.8			-			
226.4	57.2 *			51.7			47.4			55.6 *			49.5			-			
229.7	54.9			49.8			45.6			53.4 *			47.4			-			
239.5	49.1			45.2			40.8			47.4 *			42.3			37.9			
242.8	47.2			43.7			39.2			45.4 *			40.8			36.4			
249.3	43.9			40.9			36.5			41.9			38.1			33.5			
255.9	40.6			38.1			33.7			38.6			35.5			30.6			
259.2	39.1			36.8			32.4			37.1			34.2			29.4			
262.5	37.6			35.5			31.2			35.6			33.0			28.2			
269.0	34.6			32.8			28.9			32.6			30.4			25.8			
282.2	-			28.0			24.7			27.6			25.8			21.6			
285.4	-			26.9			23.7			26.5			24.7			20.6			
295.3	-			23.6			20.7			-			21.6			17.6			
298.6	-			-			19.8			-			20.6			16.8			
305.1	-			-			18.1			-			18.6			15.2			
308.4	-			-			17.2			-			17.6			14.3			
315.0	-			-			15.4			-			15.9			12.8			
318.2	-			-			14.6			-			-			12.0			
321.5	-			-			13.7			-			-			11.2			
324.8	-			-			-			-			-			10.4			
331.4	-			-			-			-			-			8.8			

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 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									
		SW_1																					
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°							
ft								1,000 lb									ft						
39.4	610.7*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4						
45.9	579.8*	-	-	-	515.9*	-	-	-	-	-	-	-	-	-	-	-	45.9						
49.2	562.2*	-	-	-	504.9*	-	-	445.3*	-	-	-	-	-	-	-	-	49.2						
52.5	535.7*	-	-	-	491.6*	-	-	438.7*	-	-	385.8*	-	-	-	-	-	52.5						
55.8	502.7	-	-	-	491.6	-	-	429.9*	-	-	379.2*	-	-	-	335.1*	-	55.8						
59.1	471.8	-	-	-	474.0	-	-	429.9	-	-	374.8*	-	-	-	330.7*	-	59.1						
65.6	385.8	-	-	-	425.5	-	-	414.5	-	-	370.4	-	-	-	321.9*	-	65.6						
72.2	330.7	-	-	-	359.4	-	-	381.4	-	-	357.1	-	-	-	317.5	-	72.2						
78.7	293.2	-	-	-	308.6	-	-	332.9	-	-	339.5	-	-	-	308.6	-	78.7						
85.3	262.4	-	-	-	269.0	-	-	293.2*	-	-	317.5*	-	-	-	297.6	-	85.3						
91.9	231.5	-	-	-	244.7	-	-	255.7*	-	-	288.8*	-	-	-	280.0	-	91.9						
95.1	218.3	240.3	-	-	232.6	-	-	239.2*	-	-	272.3*	-	-	-	272.3*	-	95.1						
98.4	205.0	229.3	-	-	220.5	-	-	222.7*	-	-	255.7*	-	-	-	264.6*	-	98.4						
105.0	-	210.0	-	-	200.6	211.6	-	203.4	-	-	223.8*	-	-	-	238.7*	-	105.0						
111.5	-	190.7	-	-	180.8	194.0	-	186.3	190.7	-	191.8*	-	-	-	212.7*	-	111.5						
118.1	-	175.3	-	-	162.0	179.1	-	170.9	175.6	-	176.4*	178.6	-	-	188.5*	-	118.1						
124.7	-	159.8	-	-	-	164.2	-	155.4	160.9	-	162.0	163.1	-	-	164.2*	-	124.7						
128.0	-	152.1	-	-	-	158.2	-	148.5	155.2	-	155.7	157.1	-	-	157.9*	156.5	128.0						
131.2	-	-	-	-	-	152.1	-	141.6	149.4	-	149.4	151.0	-	-	151.6*	150.3	131.2						
137.8	-	-	135.6	-	-	140.0	-	127.9	137.8	-	136.7	138.9	-	-	140.0	137.8	137.8						
147.6	-	-	121.5	-	-	123.5	121.3	-	122.9	-	121.0	124.8	-	-	124.3	122.9	147.6						
150.9	-	-	116.8	-	-	-	116.8	-	117.9	-	115.7	120.2	-	-	119.0	117.9	150.9						
154.2	-	-	112.4	-	-	-	113.3	-	113.9	-	110.2	116.3	-	-	114.8	114.3	154.2						
157.5	-	-	108.0	-	-	-	109.7	-	109.8	-	-	112.5	-	-	110.6	110.6	157.5						
160.8	-	-	-	-	-	-	106.1	-	105.7	103.2	-	108.7	-	-	106.3	106.9	160.8						
164.0	-	-	-	-	-	-	102.5	-	101.6	99.9	-	104.9	-	-	102.1	103.2	164.0						
167.3	-	-	-	-	-	-	99.0	-	97.4	96.7	-	101.5	-	-	98.3	100.0	167.3						
170.6	-	-	-	-	-	-	95.5	-	-	93.5	-	98.0	92.8	-	94.4	96.8	170.6						
173.9	-	-	-	-	-	-	91.9	-	-	90.3	-	94.5	89.9	-	90.6	93.6	173.9						
177.2	-	-	-	-	-	-	88.4	-	-	87.1	-	91.1	87.1	-	-	90.4	177.2						
180.4	-	-	-	-	-	-	-	-	-	84.3	-	87.8	84.4	-	-	87.5	180.4						
187.0	-	-	-	-	-	-	-	-	-	78.8	-	81.4	79.1	-	-	81.8	187.0						
190.3	-	-	-	-	-	-	-	-	-	76.1	-	-	76.5	-	-	78.9	190.3						
196.9	-	-	-	-	-	-	-	-	-	70.3	-	-	72.0	-	-	73.6	196.9						
203.4	-	-	-	-	-	-	-	-	-	-	-	-	67.5	-	-	68.3	203.4						
216.5	-	-	-	-	-	-	-	-	-	-	-	-	58.4	-	-	-	216.5						
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229.7						
232.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232.9						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft														32.2 ft/s	360°	ASME B30.5
177.2 ft																
177.2 ft				196.9 ft				216.5 ft				236.2 ft				
SW_1																
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				
ft	1,000 lb												ft			
62.3	286.6 *	-	-	-	-	-	-	-	-	-	-	-	62.3			
65.6	284.4 *	-	-	249.1 *	-	-	-	-	-	-	-	-	65.6			
72.2	277.8 *	-	-	244.7 *	-	-	213.8 *	-	-	-	-	-	72.2			
75.5	277.8	-	-	242.5 *	-	-	212.2 *	-	-	-	186.3 *	-	75.5			
78.7	275.6	-	-	240.3	-	-	210.5 *	-	-	-	185.2 *	-	78.7			
85.3	269.0	-	-	238.1	-	-	208.3	-	-	-	183.0 *	-	85.3			
91.9	260.1	-	-	233.7	-	-	206.1	-	-	-	180.8 *	-	91.9			
98.4	249.1	-	-	227.1	-	-	202.8	-	-	-	177.5	-	98.4			
111.5	222.7 *	-	-	213.8	-	-	195.1	-	-	-	173.1	-	111.5			
124.7	180.8 *	-	-	187.4 *	-	-	184.1 *	-	-	-	167.6	-	124.7			
134.5	152.7 *	142.2	-	161.8 *	-	-	165.3	-	-	-	157.9 *	-	134.5			
137.8	143.3	135.6	-	153.2 *	-	-	159.8	-	-	-	155.4 *	-	137.8			
144.4	132.8	125.1	-	137.8 *	124.6	-	147.2	-	-	-	144.4	-	144.4			
150.9	122.4	114.6	-	123.5	113.5	-	134.5	117.9	-	-	135.6	-	150.9			
160.8	109.8	103.7	-	109.6 *	101.5	-	115.8	102.9	-	-	119.9	102.7	160.8			
164.0	105.6	100.1	-	105.4 *	97.4	-	109.6	98.1	-	-	114.6	98.3	164.0			
177.2	90.8	87.1	-	90.6	84.4	-	92.2 *	83.8	-	-	94.1	82.9	177.2			
187.0	81.2	79.3	-	81.2	76.2	-	82.6 *	75.3	-	-	83.2 *	73.6	187.0			
190.3	78.0	76.7	71.4	78.0	73.4	-	79.4 *	72.5	-	-	80.0 *	70.5	190.3			
193.6	75.2	74.4	69.2	75.3	71.1	-	76.6 *	70.2	-	-	77.2 *	68.1	193.6			
203.4	-	67.5	62.8	67.0	64.6	59.3	68.3	63.1	-	-	68.8 *	60.8	203.4			
206.7	-	65.3	61.0	64.7	62.6	57.4	66.0	61.1	-	-	66.4 *	58.8	206.7			
213.3	-	61.0	57.2	60.0	58.6	53.7	61.2	57.3	51.6	-	61.5 *	54.7	213.3			
216.5	-	58.9	55.3	-	56.7	51.8	58.9	55.3	49.8	-	59.1 *	52.7	216.5			
223.1	-	54.7	52.0	-	53.0	48.5	54.8	52.0	46.5	-	54.8	49.4	223.1			
226.4	-	-	50.4	-	51.2	46.8	52.7	50.4	44.9	-	52.7	47.7	226.4			
229.7	-	-	48.7	-	49.4	45.2	50.7	48.7	43.2	-	50.7	46.1	229.7			
232.9	-	-	47.2	-	47.7	43.8	48.7	47.1	41.8	-	48.9	44.6	232.9			
242.8	-	-	42.8	-	42.5	39.5	-	42.3	37.5	-	43.4	40.1	242.8			
249.3	-	-	39.8	-	-	36.9	-	39.4	34.9	-	40.1	37.5	249.3			
252.6	-	-	38.4	-	-	35.7	-	37.9	33.7	-	-	36.0	252.6			
255.9	-	-	-	-	-	34.4	-	36.4	32.4	-	-	34.6	255.9			
262.5	-	-	-	-	-	31.9	-	33.7	30.2	-	-	32.1	262.5			
269.0	-	-	-	-	-	29.3	-	-	28.0	-	-	29.5	269.0			
272.3	-	-	-	-	-	28.0	-	-	27.0	-	-	28.4	272.3			
282.2	-	-	-	-	-	-	-	-	23.8	-	-	24.9	282.2			
292.0	-	-	-	-	-	-	-	-	20.1	-	-	-	292.0			
295.3	-	-	-	-	-	-	-	-	-	-	-	-	295.3			
308.4	-	-	-	-	-	-	-	-	-	-	-	-	308.4			
311.7	-	-	-	-	-	-	-	-	-	-	-	-	311.7			

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft													 32.2 ft/s			360°			ASME B30.5		
 177.2 ft																					
 255.9 ft 275.6 ft 295.3 ft 315.0 ft SW_1																					
 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 																					
ft				1,000 lb										ft							
78.7	157.6 *			-			-			-			-			78.7					
85.3	155.4 *			-			135.6 *			-			-			85.3					
88.6	154.9 *			-			135.0 *			-			115.7 *			88.6					
91.9	154.3 *			-			134.5 *			-			115.7 *			91.9					
98.4	152.1 *			-			133.4 *			-			114.6 *			98.4					
111.5	148.8			-			130.1 *			-			112.4 *			111.5					
124.7	144.4			-			126.8			-			110.0 *			124.7					
137.8	140.0			-			123.5			-			107.4			137.8					
150.9	127.9			-			117.9			-			104.7			150.9					
164.0	113.5			-			110.2			-			100.5 *			164.0					
167.3	109.3			93.0			106.9			-			99.1			167.3					
177.2	96.8			84.0			97.0			80.0			95.5			177.2					
183.7	88.0			77.8			89.5			75.5			89.2			183.7					
190.3	79.1			71.7			82.0			71.0			82.9			190.3					
193.6	75.9			68.8			78.3			68.1			79.7			193.6					
203.4	67.9 *			60.2			67.5 *			59.5			70.1			203.4					
216.5	58.4 *			51.6			58.0 *			49.4			58.6 *			216.5					
229.7	49.8 *			44.3			49.6 *			41.7			50.0 *			229.7					
236.2	46.2 *			41.2			45.9 *			38.5			46.2 *			236.2					
242.8	42.5			38.4			42.1 *			35.3			42.3 *			242.8					
246.1	41.0 *			37.1			40.3 *			34.0			40.6 *			246.1					
255.9	36.2			33.3			35.5 *			30.2			35.3 *			255.9					
259.2	34.8			32.1			34.1 *			29.1			33.8 *			259.2					
262.5	33.4			30.9			32.6 *			28.0			32.3 *			262.5					
269.0	30.6			28.4			29.8 *			25.8			29.3 *			269.0					
282.2	-			24.0			24.9 *			21.6			24.0 *			282.2					
288.7	-			21.9			22.3			19.4			21.8 *			288.7					
295.3	-			19.8			-			17.6			19.6 *			295.3					
298.6	-			19.0			-			16.7			18.6 *			298.6					
301.8	-			-			13.7			15.8			17.6 *			301.8					
308.4	-			-			12.1			13.9			15.4			308.4					
318.2	-			-			9.5			11.5			-			318.2					
321.5	-			-			-			-			-			321.5					
324.8	-			-			-			-			-			324.8					

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 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										
SW_1																								
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°								
ft		1,000 lb														ft								
42.7	540.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7								
45.9	526.9*	-	-	-	467.4*	-	-	-	-	-	-	-	-	-	-	45.9								
49.2	513.7*	-	-	-	458.6*	-	-	405.7*	-	-	-	-	-	-	-	49.2								
52.5	513.7	-	-	-	449.7*	-	-	399.0*	-	-	-	-	-	-	-	52.5								
55.8	491.6	-	-	-	440.9*	-	-	392.4*	-	-	348.3*	-	-	-	-	55.8								
59.1	474.0*	-	-	-	440.9	-	-	385.8*	-	-	343.9*	-	-	302.0*	-	59.1								
65.6	418.9*	-	-	-	421.1	-	-	379.2	-	-	332.9*	-	-	295.4*	-	65.6								
72.2	341.7*	-	-	-	385.8*	-	-	363.8	-	-	328.5	-	-	291.0	-	72.2								
78.7	295.4	-	-	-	332.9*	-	-	341.7*	-	-	317.5	-	-	284.4	-	78.7								
85.3	264.6	-	-	-	280.0*	-	-	308.6*	-	-	299.8	-	-	277.8	-	85.3								
91.9	235.9	-	-	-	246.9*	-	-	269.0*	-	-	284.4*	-	-	264.6	-	91.9								
98.4	210.5	-	-	-	224.9	-	-	229.3*	-	-	255.7*	-	-	253.5*	-	98.4								
101.7	-	216.1	-	-	214.7	-	-	218.8*	-	-	241.1*	-	-	243.3*	-	101.7								
111.5	-	188.5	-	-	184.1	187.4	-	188.5	-	-	198.4	-	-	212.7*	-	111.5								
118.1	-	173.6	-	-	166.4	173.1	-	173.1	172.0	-	181.3	-	-	191.8	-	118.1								
124.7	-	158.7	-	-	-	158.7	-	157.6	157.6	-	164.2	159.8	-	173.1	-	124.7								
131.2	-	145.5	-	-	-	147.7	-	144.4	146.1	-	151.6	147.3	-	157.1	-	131.2								
134.5	-	138.9	-	-	-	142.2	-	137.8	140.3	-	145.2	141.5	-	149.1	135.6	134.5								
137.8	-	-	-	-	-	136.7	-	131.2	134.5	-	138.9	135.6	-	142.2*	130.1	137.8								
147.6	-	-	114.6	-	-	121.8	-	-	120.4	-	123.2	121.5	-	126.2	116.0	147.6								
150.9	-	-	111.3	-	-	116.8	-	-	115.7	-	117.9	116.8	-	121.3	111.3	150.9								
154.2	-	-	107.8	-	-	111.3	-	-	112.1	-	113.4	113.3	-	116.9	107.8	154.2								
157.5	-	-	104.1	-	-	-	103.0	-	108.5	-	108.9	109.7	-	112.5	104.3	157.5								
164.0	-	-	96.6	-	-	-	96.6	-	101.2	-	-	102.5	-	103.8	97.2	164.0								
167.3	-	-	92.8	-	-	-	93.6	-	97.4	90.2	-	99.4	-	100.1	94.2	167.3								
170.6	-	-	-	-	-	-	90.6	-	93.7	87.3	-	96.2	-	96.3	91.2	170.6								
177.2	-	-	-	-	-	-	84.7	-	-	81.8	-	89.9	-	88.8	85.1	177.2								
180.4	-	-	-	-	-	-	81.8	-	-	79.3	-	86.9	78.3	-	82.6	180.4								
187.0	-	-	-	-	-	-	76.1	-	-	74.2	-	80.9	73.6	-	77.5	187.0								
190.3	-	-	-	-	-	-	-	-	-	71.7	-	77.8	71.2	-	75.0	67.2	190.3							
203.4	-	-	-	-	-	-	-	-	-	62.6	-	-	62.6	-	65.5	59.1	203.4							
210.0	-	-	-	-	-	-	-	-	-	-	-	-	59.0	-	60.8	55.6	210.0							
216.5	-	-	-	-	-	-	-	-	-	-	-	-	55.3	-	-	52.0	216.5							
223.1	-	-	-	-	-	-	-	-	-	-	-	-	51.6	-	-	48.9	223.1							
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9	229.7							
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.7	242.8							

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft												 32.2 ft/s			360°			ASME B30.5		
 196.9 ft																				
177.2 ft				196.9 ft				216.5 ft				236.2 ft								
SW_1																				
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°								
ft				1,000 lb											ft					
62.3	264.6 *	-	-	-	-	-	-	-	-	-	-	-	-	62.3						
65.6	260.1 *	-	-	229.3 *	-	-	-	-	-	-	-	-	-	65.6						
72.2	255.7 *	-	-	224.9 *	-	-	-	198.4 *	-	-	-	-	-	72.2						
75.5	255.7	-	-	222.7 *	-	-	-	196.8 *	-	-	-	172.0 *	-	75.5						
78.7	253.5	-	-	220.5 *	-	-	-	195.1 *	-	-	-	170.9 *	-	78.7						
85.3	249.1	-	-	219.4	-	-	-	192.9	-	-	-	168.7 *	-	85.3						
91.9	242.5	-	-	215.0	-	-	-	189.6	-	-	-	166.4	-	91.9						
98.4	233.7	-	-	211.6	-	-	-	187.4	-	-	-	165.3	-	98.4						
111.5	215.0 *	-	-	200.6	-	-	-	180.8	-	-	-	160.9	-	111.5						
124.7	183.0	-	-	179.7	-	-	-	172.0	-	-	-	155.4	-	124.7						
137.8	151.0	-	-	154.3	-	-	-	153.2	-	-	-	146.6 *	-	137.8						
141.1	144.1	126.8	-	147.7	-	-	-	148.0	-	-	-	142.2 *	-	141.1						
150.9	125.7 *	111.3	-	127.9	111.3	-	-	132.3	-	-	-	131.2	-	150.9						
157.5	116.5 *	104.1	-	116.4	102.6	-	-	121.3	102.3	-	-	121.8	-	157.5						
164.0	107.4 *	96.8	-	107.1 *	93.9	-	-	110.2	94.6	-	-	112.4	-	164.0						
167.3	103.5	93.6	-	103.3 *	90.7	-	-	106.2 *	91.1	-	-	108.4 *	88.4	167.3						
177.2	92.4	84.2	-	91.9 *	81.1	-	-	94.8 *	80.7	-	-	96.1 *	79.4	177.2						
187.0	82.8	76.4	-	82.0 *	73.1	-	-	84.7 *	72.3	-	-	86.0 *	70.6	187.0						
190.3	79.6	73.9	-	78.7	70.5	-	-	81.4 *	69.4	-	-	82.7 *	67.7	190.3						
193.6	76.7	71.7	-	76.0	68.3	-	-	78.4 *	67.1	-	-	79.7 *	65.2	193.6						
200.1	-	67.4	58.9	70.6	63.9	-	-	72.6 *	62.5	-	-	73.7 *	60.2	200.1						
203.4	-	65.3	57.1	67.9	61.7	-	-	69.7 *	60.2	-	-	70.8 *	57.8	203.4						
206.7	-	63.3	55.3	65.6	59.9	-	-	67.2 *	58.3	-	-	68.2 *	55.8	206.7						
213.3	-	59.3	51.8	60.8	56.3	47.8	-	62.3	54.6	-	-	63.0 *	51.8	213.3						
216.5	-	57.3	50.0	-	54.5	46.1	-	60.0	52.7	-	-	60.4 *	49.8	216.5						
223.1	-	53.6	47.0	-	51.0	43.1	-	55.9	49.5	40.8	-	56.0 *	46.5	223.1						
226.4	-	51.7	45.4	-	49.3	41.6	-	53.8	47.9	39.4	-	53.8 *	44.9	226.4						
229.7	-	49.8	43.9	-	47.6	40.1	-	51.8	46.3	37.9	-	51.6 *	43.2	229.7						
232.9	-	-	42.5	-	46.1	38.8	49.8	44.9	36.4	36.4	49.8 *	41.8	32.0	232.9						
242.8	-	-	38.6	-	41.4	34.8	-	40.6	32.6	32.6	44.3 *	37.7	28.4	242.8						
246.1	-	-	37.3	-	39.9	33.7	-	39.0	31.5	31.5	42.8 *	36.4	27.3	246.1						
249.3	-	-	36.0	-	38.4	32.5	-	37.7	30.3	30.3	41.0	35.2	26.2	249.3						
252.6	-	-	34.8	-	-	31.4	-	36.4	29.2	29.2	39.5	33.9	25.1	252.6						
255.9	-	-	33.5	-	-	30.2	-	35.1	28.0	-	-	32.6	24.0	255.9						
262.5	-	-	30.6	-	-	27.8	-	32.6	25.8	-	-	30.3	21.9	262.5						
265.7	-	-	-	-	-	26.6	-	31.3	24.7	-	-	29.2	20.9	265.7						
269.0	-	-	-	-	-	25.4	-	-	23.6	-	-	28.0	19.8	269.0						
282.2	-	-	-	-	-	20.3	-	-	19.4	-	-	23.6	16.1	282.2						
285.4	-	-	-	-	-	-	-	-	18.4	-	-	22.5	15.2	285.4						
295.3	-	-	-	-	-	-	-	-	15.2	-	-	-	12.6	295.3						
298.6	-	-	-	-	-	-	-	-	14.1	-	-	-	11.7	298.6						
308.4	-	-	-	-	-	-	-	-	-	-	-	-	9.0	308.4						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft																 32.2 ft/s			360°		ASME B30.5	
 196.9 ft																						
 255.9 ft 275.6 ft 295.3 ft 315.0 ft																						
SW_1																						
 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 																						
ft				1,000 lb												ft						
82.0	145.5 *	-	-	-	-	-	-	-	-	-	-	-	-	-	82.0							
85.3	145.5 *	-	-	126.8 *	-	-	-	-	-	-	-	-	-	-	85.3							
88.6	144.4 *	-	-	126.2 *	-	-	-	109.1 *	-	-	-	-	-	-	88.6							
91.9	143.3 *	-	-	125.7 *	-	-	-	108.5 *	-	-	-	-	-	-	91.9							
95.1	142.7 *	-	-	124.6 *	-	-	-	108.0 *	-	-	-	93.3 *	-	-	95.1							
98.4	142.2 *	-	-	123.5 *	-	-	-	107.6 *	-	-	-	92.8 *	-	-	98.4							
111.5	137.8	-	-	121.3 *	-	-	-	105.4 *	-	-	-	91.1 *	-	-	111.5							
124.7	134.5	-	-	117.9	-	-	-	103.0 *	-	-	-	89.3 *	-	-	124.7							
137.8	130.1	-	-	114.6	-	-	-	100.3	-	-	-	87.1 *	-	-	137.8							
150.9	121.3	-	-	110.2	-	-	-	97.9	-	-	-	84.7	-	-	150.9							
164.0	110.0	-	-	103.6	-	-	-	94.1 *	-	-	-	82.7	-	-	164.0							
173.9	98.8	79.6	-	95.7	-	-	-	90.3	-	-	-	80.0	-	-	173.9							
177.2	95.0	77.4	-	93.0	-	-	-	89.1	-	-	-	79.1	-	-	177.2							
183.7	88.0 *	72.8	-	86.8	67.7	-	-	84.2	-	-	-	77.4	-	-	183.7							
190.3	81.4 *	68.1	-	81.1 *	63.7	-	-	79.4	59.3	-	-	75.6	-	-	190.3							
200.1	72.9 *	59.9	-	73.0 *	57.6	-	-	72.8 *	54.5	-	-	68.7	48.9	-	200.1							
203.4	70.1 *	57.1	-	70.3 *	55.6	-	-	70.8 *	52.7	-	-	67.0 *	47.4	-	203.4							
216.5	60.0 *	48.5	-	60.2 *	46.1	-	-	62.4 *	45.2	-	-	60.8 *	41.4	-	216.5							
229.7	51.1 *	41.4	-	51.1 *	38.8	-	-	52.7 *	37.3	-	-	54.2 *	34.8	-	229.7							
242.8	43.4 *	35.7	-	43.0 *	32.6	-	-	44.1 *	30.9	-	-	45.0 *	28.0	-	242.8							
246.1	41.8 *	34.5	24.0	41.3 *	31.3	-	-	42.2 *	29.4	-	-	42.9 *	26.5	-	246.1							
255.9	37.0 *	30.9	20.9	36.2 *	27.3	16.1	-	36.4 *	25.1	-	-	36.8 *	22.3	-	255.9							
265.7	33.1 *	27.6	18.0	31.9 *	24.2	13.4	-	31.6 *	21.7	-	-	31.4 *	18.5	-	265.7							
269.0	31.3	26.5	17.0	30.4 *	23.1	12.6	-	30.0 *	20.5	-	-	29.5 *	17.2	-	269.0							
272.3	30.0	25.4	16.1	29.2 *	22.2	11.7	-	28.6 *	19.6	-	-	28.0 *	16.2	-	272.3							
282.2	-	22.3	13.4	25.6 *	19.2	9.3	-	24.5 *	16.8	-	-	23.4 *	13.2	-	282.2							
288.7	-	20.4	11.8	22.9	17.4	-	-	22.3 *	15.1	-	-	20.7 *	11.6	-	288.7							
295.3	-	18.3	10.1	-	15.7	-	-	20.1 *	13.4	-	-	18.1 *	9.9	-	295.3							
298.6	-	17.4	9.3	-	14.8	-	-	19.2 *	12.6	-	-	17.1 *	9.3	-	298.6							
301.8	-	16.5	-	-	14.0	-	-	18.3 *	11.8	-	-	16.1 *	-	-	301.8							
305.1	-	15.7	-	-	13.2	-	-	16.8	11.0	-	-	15.1 *	-	-	305.1							
308.4	-	-	-	-	12.3	-	-	15.9	10.1	-	-	14.1 *	-	-	308.4							
311.7	-	-	-	-	11.6	-	-	-	9.5	-	-	13.3 *	-	-	311.7							
321.5	-	-	-	-	9.3	-	-	-	-	-	-	10.8 *	-	-	321.5							
324.8	-	-	-	-	-	-	-	-	-	-	-	9.5	-	-	324.8							

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 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										
		SW_1																						
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°								
ft								1,000 lb												ft				
45.9	465.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9							
49.2	456.4*	-	-	-	405.7*	-	-	-	-	-	-	-	-	-	-	-	49.2							
52.5	445.3*	-	-	-	396.8*	-	-	352.7*	-	-	-	-	-	-	-	-	52.5							
55.8	443.1	-	-	-	390.2*	-	-	346.1*	-	-	306.4*	-	-	-	-	-	55.8							
59.1	434.3	-	-	-	381.4*	-	-	341.7*	-	-	304.2*	-	-	-	269.0*	-	59.1							
65.6	412.3	-	-	-	374.8	-	-	335.1	-	-	295.4*	-	-	-	262.4*	-	65.6							
72.2	350.5	-	-	-	359.4	-	-	324.1	-	-	291.0	-	-	-	255.7*	-	72.2							
78.7	297.6	-	-	-	328.5	-	-	313.1	-	-	282.2	-	-	-	253.5	-	78.7							
85.3	262.4	-	-	-	288.8	-	-	297.6	-	-	273.4	-	-	-	246.9	-	85.3							
91.9	233.7	-	-	-	253.5	-	-	273.4	-	-	264.6	-	-	-	240.3	-	91.9							
95.1	221.0	-	-	-	237.0	-	-	259.0	-	-	255.7	-	-	-	235.9	-	95.1							
98.4	208.3	-	-	-	220.5	-	-	244.7	-	-	246.9	-	-	-	231.5	-	98.4							
101.7	196.2	-	-	-	210.5	-	-	229.8	-	-	236.7	-	-	-	225.7	-	101.7							
108.3	-	188.5	-	-	190.7	-	-	200.1	-	-	216.3	-	-	-	214.1	-	108.3							
111.5	-	179.7	-	-	180.8	-	-	186.3*	-	-	206.1	-	-	-	208.3	-	111.5							
118.1	-	165.3	-	-	163.9	166.4	-	169.8	-	-	183.0	-	-	-	190.7	-	118.1							
121.4	-	158.2	-	-	155.4	159.8	-	162.0	-	-	171.4	-	-	-	181.9	-	121.4							
124.7	-	151.0	-	-	-	153.2	-	154.3	152.1	-	162.0*	-	-	-	173.1	-	124.7							
131.2	-	139.4	-	-	-	142.2	-	141.1	140.0	-	148.3*	-	-	-	155.4	-	131.2							
134.5	-	133.7	-	-	-	136.7	-	134.5	134.5	-	141.6	131.2	-	-	148.3*	-	134.5							
137.8	-	127.9	-	-	-	131.2	-	127.9	129.0	-	135.6	125.7	-	-	141.1*	-	137.8							
141.1	-	-	-	-	-	126.5	-	122.4	124.3	-	130.3	121.4	-	-	135.3*	119.0	141.1							
150.9	-	-	-	-	-	112.4	-	-	110.2	-	114.6	108.5	-	-	117.9	106.0	150.9							
157.5	-	-	97.0	-	-	104.3	-	-	103.4	-	105.6	101.3	-	-	109.2	98.8	157.5							
164.0	-	-	90.4	-	-	-	-	-	96.6	-	-	94.1	-	-	100.5	91.5	164.0							
167.3	-	-	86.9	-	-	-	86.0	-	93.1	-	-	91.2	-	-	96.8	88.5	167.3							
170.6	-	-	83.5	-	-	-	83.3	-	89.7	-	-	88.3	-	-	93.1	85.5	170.6							
173.9	-	-	80.0	-	-	-	80.7	-	86.3	-	-	85.4	-	-	89.5	82.6	173.9							
177.2	-	-	-	-	-	78.0	-	-	82.9	73.0	-	82.5	-	-	85.8	79.6	177.2							
190.3	-	-	-	-	-	66.8	-	-	-	63.5	-	71.9	61.7	-	-	69.9	190.3							
193.6	-	-	-	-	-	63.9	-	-	-	61.3	-	69.3	59.9	-	-	67.7	193.6							
196.9	-	-	-	-	-	-	-	-	-	59.1	-	66.8	58.0	-	-	65.6	196.9							
200.1	-	-	-	-	-	-	-	-	-	56.9	-	-	56.1	-	-	63.4	200.1							
203.4	-	-	-	-	-	-	-	-	-	54.7	-	-	54.2	-	-	61.3	203.4							
213.3	-	-	-	-	-	-	-	-	-	47.8	-	-	48.8	-	-	55.0	213.3							
216.5	-	-	-	-	-	-	-	-	-	-	-	-	47.0	-	-	52.9	216.5							
229.7	-	-	-	-	-	-	-	-	-	-	-	-	39.9	-	-	-	229.7							
232.9	-	-	-	-	-	-	-	-	-	-	-	-	37.9	-	-	-	232.9							
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	242.8							
249.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	249.3							

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft													32.2 ft/s	360°	ASME B30.5
216.5 ft															
177.2 ft				196.9 ft				216.5 ft				236.2 ft			
SW_1															
87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°				
1,000 lb												ft			
65.6	231.5 *	-	-	-	-	-	-	-	-	-	-	65.6			
68.9	229.3 *	-	-	202.8 *	-	-	-	-	-	-	-	68.9			
72.2	227.1 *	-	-	200.6 *	-	-	177.5 *	-	-	-	-	72.2			
78.7	222.7	-	-	197.3 *	-	-	174.2 *	-	-	151.0 *	-	78.7			
85.3	219.4	-	-	195.1	-	-	172.0 *	-	-	148.8 *	-	85.3			
91.9	215.0	-	-	191.8	-	-	169.8	-	-	146.6 *	-	91.9			
98.4	209.4	-	-	188.5	-	-	166.4	-	-	144.4	-	98.4			
111.5	197.3	-	-	179.7	-	-	160.9	-	-	140.0	-	111.5			
124.7	176.4	-	-	167.6	-	-	154.3	-	-	135.6	-	124.7			
137.8	147.7	-	-	149.9	-	-	144.4	-	-	129.0	-	137.8			
147.6	129.0 *	111.3	-	130.9	-	-	132.0	-	-	123.2	-	147.6			
150.9	123.5 *	106.7	-	124.6	-	-	127.9	-	-	121.3	-	150.9			
157.5	113.8 *	98.7	-	115.2 *	97.0	-	118.2	-	-	113.6	-	157.5			
164.0	104.1 *	90.6	-	105.8 *	88.8	-	110.2 *	88.6	-	106.0	-	164.0			
173.9	92.0	81.7	-	93.6 *	78.6	-	98.0 *	78.6	-	94.3 *	75.6	173.9			
177.2	88.4	78.7	-	89.5 *	75.6	-	93.9 *	75.4	-	91.1 *	73.0	177.2			
190.3	76.1	68.6	-	75.8	65.3	-	79.4 *	64.2	-	77.8 *	62.4	190.3			
196.9	70.3	64.5	-	70.4	61.0	-	73.2 *	59.6	-	71.9 *	57.4	196.9			
203.4	-	60.4	-	65.0	56.7	-	67.0 *	55.1	-	65.9 *	52.5	203.4			
206.7	-	58.5	-	62.7	54.9	-	64.5 *	53.2	-	63.4 *	50.5	206.7			
210.0	-	56.7	42.5	60.4	53.1	-	61.9 *	51.4	-	60.8 *	48.6	210.0			
216.5	-	52.9	39.7	55.8	49.6	-	57.1	47.6	-	55.8 *	44.8	216.5			
223.1	-	49.5	37.1	-	46.5	31.7	53.0	44.5	-	51.5 *	41.4	223.1			
226.4	-	47.8	35.9	-	45.0	30.5	51.0	43.0	-	49.3 *	39.9	226.4			
229.7	-	46.1	34.6	-	43.4	29.3	48.9	41.4	-	47.2 *	38.4	229.7			
232.9	-	44.5	33.3	-	42.0	28.2	47.2	40.1	24.7	45.5 *	37.0	232.9			
236.2	-	-	32.0	-	40.5	27.0	45.4	38.8	23.7	43.8 *	35.7	236.2			
242.8	-	-	29.5	-	37.5	24.7	-	36.2	21.6	40.3 *	33.1	16.8	242.8		
246.1	-	-	28.4	-	36.1	23.6	-	34.9	20.6	38.8 *	31.9	15.9	246.1		
252.6	-	-	26.1	-	33.3	21.6	-	32.4	18.6	35.5	29.4	14.1	252.6		
255.9	-	-	24.9	-	-	20.5	-	31.1	17.6	-	28.2	13.2	255.9		
269.0	-	-	20.3	-	-	16.8	-	26.5	14.1	-	24.0	9.9	269.0		
272.3	-	-	-	-	-	15.8	-	25.1	13.3	-	23.0	9.0	272.3		
282.2	-	-	-	-	-	13.0	-	-	10.8	-	20.1	-	282.2		
288.7	-	-	-	-	-	11.0	-	-	9.3	-	17.9	-	288.7		
292.0	-	-	-	-	-	-	-	-	-	-	16.5	-	292.0		

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 52.5 ft x 52.5 ft													 32.2 ft/s			360°			ASME B30.5		
 216.5 ft																					
		255.9 ft			275.6 ft			295.3 ft			315.0 ft										
		SW_1																			
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°								
ft		1,000 lb												ft							
82.0	131.2 *	-	-	-	-	-	-	-	-	-	-	-	-	82.0							
85.3	130.1 *	-	-	-	113.5 *	-	-	-	-	-	-	-	-	85.3							
91.9	129.0 *	-	-	-	112.4 *	-	-	97.4 *	-	-	-	-	-	91.9							
95.1	127.9 *	-	-	-	111.9 *	-	-	97.0 *	-	-	-	83.6 *	-	95.1							
98.4	126.8 *	-	-	-	111.3 *	-	-	96.6 *	-	-	-	83.1 *	-	98.4							
111.5	123.5	-	-	-	108.9 *	-	-	94.6 *	-	-	-	81.6 *	-	111.5							
124.7	120.2	-	-	-	105.8	-	-	92.2 *	-	-	-	79.6 *	-	124.7							
137.8	115.7	-	-	-	102.7	-	-	89.5	-	-	-	77.6 *	-	137.8							
150.9	111.3	-	-	-	99.4	-	-	86.9	-	-	-	75.4 *	-	150.9							
164.0	105.2	-	-	-	95.2	-	-	84.2	-	-	-	73.0	-	164.0							
177.2	91.1	-	-	-	88.2	-	-	81.1	-	-	-	70.8	-	177.2							
180.4	88.5 *	67.0	-	-	85.3	-	-	79.5	-	-	-	70.2	-	180.4							
190.3	81.4 *	60.4	-	-	77.6 *	55.1	-	74.5	-	-	-	68.3	-	190.3							
196.9	75.3 *	56.3	-	-	73.7 *	51.3	-	69.6	47.0	-	-	64.8	-	196.9							
203.4	69.2 *	52.2	-	-	69.9 *	47.4	-	65.3 *	43.4	-	-	61.3	-	203.4							
206.7	66.5 *	49.7	-	-	67.4 *	45.7	-	63.7 *	41.8	-	-	59.2	36.4	206.7							
216.5	58.2 *	43.4	-	-	59.7 *	40.6	-	58.9 *	36.8	-	-	53.6 *	32.0	216.5							
229.7	48.7 *	36.6	-	-	49.6 *	33.5	-	50.7 *	31.1	-	-	47.8 *	26.2	229.7							
242.8	40.8 *	30.9	-	-	40.8 *	27.6	-	43.2 *	25.8	-	-	41.0 *	21.4	242.8							
255.9	34.2 *	26.2	-	-	33.5 *	22.7	-	34.8 *	20.5	-	-	34.6 *	16.8	255.9							
265.7	30.4 *	23.1	-	-	29.0 *	19.5	-	29.2 *	17.0	-	-	29.5 *	13.8	265.7							
269.0	28.7	22.0	-	-	27.6 *	18.5	-	27.3 *	15.9	-	-	27.8 *	12.8	269.0							
272.3	27.6	21.1	-	-	26.4 *	17.6	-	25.8 *	15.0	-	-	26.0 *	11.8	272.3							
282.2	-	18.3	-	-	22.9 *	15.0	-	21.4	12.3	-	-	20.9 *	9.0	282.2							
285.4	-	17.4	-	-	22.0 *	14.2	-	20.3	11.6	-	-	19.6 *	-	285.4							
292.0	-	15.7	-	-	19.4	12.5	-	18.1	10.0	-	-	16.8 *	-	292.0							
295.3	-	14.8	-	-	-	11.7	-	17.0	9.3	-	-	15.4 *	-	295.3							
301.8	-	12.8	-	-	-	10.1	-	15.4 *	-	-	-	13.3 *	-	301.8							
305.1	-	11.8	-	-	-	9.3	-	14.2	-	-	-	12.3 *	-	305.1							
308.4	-	10.8	-	-	-	-	-	13.2	-	-	-	11.2 *	-	308.4							
311.7	-	9.7	-	-	-	-	-	12.6	-	-	-	10.5 *	-	311.7							
318.2	-	-	-	-	-	-	-	-	-	-	-	9.0 *	-	318.2							

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft														32.2 ft/s			360°			ASME B30.5		
236.2 ft																						
SW_1																						
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°																						
ft							1,000 lb						ft									
59.1	-	-	-	-	-	-	-	-	-	273.4*	-	-	-	-	-	59.1						
62.3	-	-	-	-	-	-	-	-	-	271.2*	-	-	-	238.1*	-	62.3						
65.6	-	-	-	-	-	-	-	-	-	266.8*	-	-	-	235.9*	-	65.6						
72.2	-	-	-	-	-	-	-	-	-	262.4	-	-	-	231.5*	-	72.2						
78.7	-	-	-	-	-	-	-	-	-	255.7	-	-	-	227.1	-	78.7						
85.3	-	-	-	-	-	-	-	-	-	246.9	-	-	-	220.5	-	85.3						
91.9	-	-	-	-	-	-	-	-	-	240.3	-	-	-	215.0	-	91.9						
98.4	-	-	-	-	-	-	-	-	-	231.5	-	-	-	209.4	-	98.4						
111.5	-	-	-	-	-	-	-	-	-	201.7	-	-	-	195.1	-	111.5						
124.7	-	-	-	-	-	-	-	-	-	163.1*	-	-	-	169.8*	-	124.7						
137.8	-	-	-	-	-	-	-	-	-	132.3	-	-	-	142.2*	-	137.8						
141.1	-	-	-	-	-	-	-	-	-	127.0	111.3	-	-	135.6*	-	141.1						
147.6	-	-	-	-	-	-	-	-	-	116.6	103.1	-	-	122.4*	100.5	147.6						
150.9	-	-	-	-	-	-	-	-	-	111.3	99.0	-	-	115.7*	96.3	150.9						
160.8	-	-	-	-	-	-	-	-	-	97.9	88.9	-	-	100.5*	85.9	160.8						
164.0	-	-	-	-	-	-	-	-	-	-	85.5	-	-	96.1	82.5	164.0						
170.6	-	-	-	-	-	-	-	-	-	-	80.0	-	-	88.8	76.9	170.6						
177.2	-	-	-	-	-	-	-	-	-	-	74.7	-	-	81.6	71.4	177.2						
180.4	-	-	-	-	-	-	-	-	-	-	72.4	-	-	78.5	69.2	180.4						
190.3	-	-	-	-	-	-	-	-	-	-	65.3	-	-	-	62.4	190.3						
200.1	-	-	-	-	-	-	-	-	-	-	58.4	41.4	-	-	56.4	200.1						
203.4	-	-	-	-	-	-	-	-	-	-	-	40.1	-	-	54.5	203.4						
210.0	-	-	-	-	-	-	-	-	-	-	-	37.4	-	-	50.6	210.0						
216.5	-	-	-	-	-	-	-	-	-	-	-	34.6	-	-	46.7	216.5						
219.8	-	-	-	-	-	-	-	-	-	-	-	33.3	-	-	44.5	219.8						
229.7	-	-	-	-	-	-	-	-	-	-	-	29.3	-	-	-	229.7						
239.5	-	-	-	-	-	-	-	-	-	-	-	25.4	-	-	-	239.5						
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	242.8						
255.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	255.9						
259.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259.2						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

52.5 ft x 52.5 ft									
32.2 ft/s									
360°									
ASME B30.5									
236.2 ft									
SW_1									
177.2 ft									
196.9 ft									
216.5 ft									
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°									
ft	1,000 lb								ft
65.6	209.4 *	-	-	-	-	-	-	-	65.6
68.9	207.2 *	-	-	184.1 *	-	-	-	-	68.9
72.2	206.1 *	-	-	181.9 *	-	-	-	-	72.2
75.5	203.9 *	-	-	180.2 *	-	-	156.5 *	-	75.5
78.7	201.7 *	-	-	178.6 *	-	-	155.4 *	-	78.7
85.3	198.4	-	-	176.4	-	-	153.2 *	-	85.3
91.9	194.0	-	-	173.1	-	-	151.0 *	-	91.9
98.4	189.6	-	-	169.8	-	-	147.7	-	98.4
111.5	179.7	-	-	162.0	-	-	143.3	-	111.5
124.7	169.8	-	-	154.3	-	-	136.7	-	124.7
137.8	146.6 *	-	-	143.3	-	-	130.1	-	137.8
150.9	124.6 *	-	-	124.6 *	-	-	119.0	-	150.9
154.2	118.9 *	91.7	-	120.0 *	-	-	114.5	-	154.2
164.0	102.1 *	81.6	-	106.3 *	76.3	-	103.8 *	-	164.0
170.6	93.3 *	75.8	-	97.0 *	71.1	-	96.2 *	67.0	170.6
177.2	85.1	70.1	-	87.7 *	65.9	-	88.6 *	62.4	177.2
190.3	72.5	60.6	-	72.8 *	57.1	-	74.1 *	53.8	190.3
196.9	67.2	56.8	-	67.0	53.1	-	68.0 *	50.0	196.9
203.4	-	52.9	-	61.7	49.2	-	61.9 *	46.3	203.4
210.0	-	49.6	-	57.2	45.6	-	57.0 *	42.9	210.0
216.5	-	46.3	-	52.7	42.1	-	52.0 *	39.7	216.5
223.1	-	43.0	23.6	-	39.0	-	48.3 *	36.7	223.1
229.7	-	39.7	21.6	-	36.2	-	44.5 *	33.7	229.7
232.9	-	37.9	20.7	-	34.7	15.2	42.7	32.5	232.9
236.2	-	36.2	19.7	-	33.2	14.3	41.0	31.2	236.2
239.5	-	34.4	18.8	-	31.7	13.4	-	29.9	239.5
242.8	-	-	17.9	-	30.2	12.6	-	28.7	242.8
255.9	-	-	14.3	-	24.5	9.5	-	23.6	255.9
259.2	-	-	13.5	-	23.1	-	-	22.4	259.2
269.0	-	-	11.0	-	-	-	-	19.0	269.0
275.6	-	-	9.5	-	-	-	-	16.6	275.6
278.9	-	-	-	-	-	-	-	15.4	278.9

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

		 39.4 ft x 39.4 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							
		SW_1																			
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°					
ft								1,000 lb												ft	
36.1	765.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1				
39.4	718.7*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4				
42.7	676.8*	-	-	-	665.8*	-	-	-	-	-	-	-	-	-	-	-	42.7				
45.9	657.0	-	-	-	630.5*	-	-	584.2*	-	-	-	-	-	-	-	-	45.9				
49.2	601.9	-	-	-	599.7	-	-	568.8*	-	-	496.0*	-	-	-	-	-	49.2				
52.5	542.3	-	-	-	566.6*	-	-	546.7*	-	-	489.4*	-	-	-	-	-	52.5				
55.8	498.2	-	-	-	531.3*	-	-	511.5*	-	-	480.6*	-	-	418.9*	-	-	55.8				
59.1	458.6	-	-	-	489.4	-	-	480.6*	-	-	467.4*	-	-	412.3*	-	-	59.1				
65.6	392.4	-	-	-	418.9	-	-	429.9*	-	-	416.7*	-	-	401.2*	-	-	65.6				
72.2	346.1	-	-	-	361.6	-	-	379.2	-	-	377.0*	-	-	363.8*	-	-	72.2				
78.7	306.4	313.1	-	-	317.5	-	-	330.7	-	-	337.3*	-	-	330.7*	-	-	78.7				
85.3	271.2	280.0	-	-	286.6	275.6	-	291.0	-	-	302.0*	-	-	299.8*	-	-	85.3				
88.6	254.6	265.7	-	-	273.4	262.4	-	275.6	-	-	285.5*	-	-	284.4*	-	-	88.6				
91.9	238.1	251.3	-	-	260.1	249.1	-	260.1	-	-	269.0*	-	-	269.0*	-	-	91.9				
95.1	-	240.3	-	-	246.9	237.0	-	249.1	235.9	-	254.6	-	-	255.7*	-	-	95.1				
98.4	-	229.3	-	-	233.7	224.9	-	238.1	224.9	-	242.5	-	-	242.5*	-	-	98.4				
101.7	-	220.2	-	-	222.4	216.3	-	228.2	215.8	-	232.9	212.7	-	233.1*	-	-	101.7				
108.3	-	202.0	-	-	199.8	199.2	-	208.3	197.6	-	213.6	195.8	-	214.4*	-	-	108.3				
111.5	-	192.9	177.5	-	188.5	190.7	-	198.4	188.5	-	203.9	187.4	-	205.0*	184.1	-	111.5				
114.8	-	186.3	171.1	-	-	183.8	-	189.9	181.9	-	196.5	180.5	-	197.6*	177.2	-	114.8				
121.4	-	-	158.5	-	-	170.0	155.4	172.8	168.7	-	181.6	166.7	-	182.7*	163.4	-	121.4				
124.7	-	-	152.1	-	-	163.1	149.9	164.2	162.0	-	174.2	159.8	-	175.3*	156.5	-	124.7				
128.0	-	-	147.3	-	-	158.2	145.0	156.5	156.8	-	167.3	154.6	-	168.9*	151.3	-	128.0				
131.2	-	-	142.6	-	-	153.2	140.0	148.8	151.6	136.7	160.4	149.4	-	162.6*	146.1	-	131.2				
134.5	-	-	137.8	-	-	-	135.0	-	146.3	132.3	153.5	144.1	-	156.3*	140.8	-	134.5				
137.8	-	-	-	-	-	130.1	-	-	141.1	127.9	146.6	138.9	-	149.9	135.6	-	137.8				
144.4	-	-	-	-	-	122.4	-	-	132.8	120.2	135.0	130.6	117.9	140.0	127.3	-	144.4				
150.9	-	-	-	-	-	114.6	-	-	124.6	112.4	123.5	122.4	111.3	130.1	119.0	-	150.9				
154.2	-	-	-	-	-	-	-	-	-	109.5	-	119.3	108.2	125.1	115.9	104.3	154.2				
164.0	-	-	-	-	-	-	-	-	-	100.5	-	110.0	98.8	110.2	106.5	95.2	164.0				
170.6	-	-	-	-	-	-	-	-	-	95.5	-	104.3	93.7	102.3	101.0	90.1	170.6				
177.2	-	-	-	-	-	-	-	-	-	-	-	-	88.6	-	95.5	84.9	177.2				
190.3	-	-	-	-	-	-	-	-	-	-	-	-	80.2	-	86.4	76.3	190.3				
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.0	203.4				
210.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.7	210.0				

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 ft																 32.2 ft/s		360°		ASME B30.5							
 118.1 ft																											
 177.2 ft																 196.9 ft				 216.5 ft			 236.2 ft				
SW_1																											
 87°/85°																75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	
ft																1,000 lb								ft			
59.1	357.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1												
65.6	350.5*	-	-	304.2*	-	-	-	-	-	-	-	-	-	-	65.6												
68.9	348.3	-	-	302.0*	-	-	-	260.1*	-	-	-	-	-	-	68.9												
72.2	346.1	-	-	299.8*	-	-	-	257.9*	-	-	-	222.7*	-	-	72.2												
78.7	321.9*	-	-	295.4	-	-	-	255.7*	-	-	-	220.5*	-	-	78.7												
85.3	295.4*	-	-	286.6*	-	-	-	251.3	-	-	-	218.3	-	-	85.3												
91.9	269.0*	-	-	264.6*	-	-	-	249.1	-	-	-	215.0	-	-	91.9												
98.4	244.7*	-	-	242.5*	-	-	-	240.3*	-	-	-	212.7	-	-	98.4												
111.5	205.0*	-	-	202.8*	-	-	-	201.7*	-	-	-	200.6*	-	-	111.5												
118.1	190.1*	168.7	-	187.9*	-	-	-	186.8*	-	-	-	185.7*	-	-	118.1												
124.7	175.3*	156.5	-	173.1*	-	-	-	172.0*	-	-	-	170.9*	-	-	124.7												
128.0	169.5*	151.3	-	167.6*	148.8	-	-	166.4*	-	-	-	165.1*	-	-	128.0												
134.5	157.9*	140.8	-	156.5*	138.5	-	-	155.4*	136.7	-	-	153.5*	-	-	134.5												
137.8	152.1*	135.6	-	151.0*	133.4	-	-	149.9*	132.3	-	-	147.7*	-	-	137.8												
144.4	142.7*	127.3	-	141.6*	125.1	-	-	140.5*	124.0	-	-	138.9*	121.3	-	144.4												
150.9	133.4*	119.0	-	132.3*	116.8	-	-	131.2*	115.7	-	-	130.1*	113.5	-	150.9												
164.0	115.7	105.8	94.4	114.6	103.6	-	-	115.7*	102.1	-	-	114.6*	100.3	-	164.0												
177.2	99.9	94.6	84.0	100.5	92.4	81.6	-	102.5*	90.8	-	-	102.7*	89.1	-	177.2												
183.7	92.7	89.8	79.6	93.7	87.6	76.7	-	95.7	86.1	-	-	96.1*	84.3	-	183.7												
187.0	89.1	87.5	77.4	90.3	85.3	74.5	-	92.6	83.7	72.5	-	92.8*	82.0	-	187.0												
190.3	-	85.1	75.2	86.9	82.9	72.3	-	89.5	81.4	70.3	-	89.5	79.6	-	190.3												
196.9	-	81.1	71.3	80.9	78.8	68.5	-	83.6	77.3	66.5	-	83.8	75.5	63.9	196.9												
203.4	-	77.2	67.5	75.0	74.7	64.6	-	77.6	73.2	62.6	-	78.0	71.4	60.2	203.4												
206.7	-	75.4	65.8	72.1	73.0	62.9	-	75.0	71.4	60.9	-	75.5	69.6	58.5	206.7												
210.0	-	73.6	64.2	-	71.3	61.3	-	72.3	69.7	59.2	-	72.9	67.7	56.9	210.0												
216.5	-	-	60.8	-	67.9	58.0	-	67.0	66.1	55.8	-	67.7	64.2	53.6	216.5												
223.1	-	-	58.1	-	64.4	55.1	-	62.5	63.1	52.9	-	63.1	61.0	50.5	223.1												
226.4	-	-	56.7	-	62.6	53.7	-	60.2	61.5	51.5	-	60.7	59.4	49.1	226.4												
229.7	-	-	55.3	-	-	52.2	-	-	60.0	50.0	-	58.4	57.8	47.6	229.7												
239.5	-	-	-	-	-	48.4	-	-	55.3	46.2	-	52.5	53.5	43.8	239.5												
242.8	-	-	-	-	-	47.2	-	-	53.8	45.0	-	50.5	52.0	42.5	242.8												
246.1	-	-	-	-	-	46.3	-	-	51.8	43.9	-	48.7	50.4	41.4	246.1												
255.9	-	-	-	-	-	-	-	-	-	40.6	-	-	45.4	37.9	255.9												
265.7	-	-	-	-	-	-	-	-	-	37.7	-	-	40.6	34.9	265.7												
269.0	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0	269.0												
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	30.6	282.2												
285.4	-	-	-	-	-	-	-	-	-	-	-	-	-	29.8	285.4												

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 ft													 32.2 ft/s			360°		ASME B30.5	
 118.1 ft																			
255.9 ft				275.6 ft				295.3 ft				315.0 ft							
SW_1																			
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°							
ft				1,000 lb											ft				
78.7	189.6 *	-	-	-	-	-	-	-	-	-	-	-	-	78.7					
82.0	188.5 *	-	-	162.0 *	-	-	-	-	-	-	-	-	-	82.0					
85.3	187.4 *	-	-	160.9 *	-	-	-	137.8 *	-	-	-	-	-	85.3					
91.9	185.2 *	-	-	158.7 *	-	-	-	135.6 *	-	-	-	117.9 *	-	91.9					
98.4	183.0 *	-	-	157.6 *	-	-	-	134.5 *	-	-	-	115.7 *	-	98.4					
111.5	178.6 *	-	-	153.2 *	-	-	-	131.2 *	-	-	-	113.5 *	-	111.5					
124.7	169.8 *	-	-	148.8 *	-	-	-	127.9 *	-	-	-	111.3 *	-	124.7					
137.8	146.6 *	-	-	143.3 *	-	-	-	124.6 *	-	-	-	108.7 *	-	137.8					
150.9	129.0 *	112.4	-	125.7 *	-	-	-	121.3 *	-	-	-	106.0 *	-	150.9					
160.8	117.4 *	102.2	-	114.9 *	99.2	-	-	112.7 *	-	-	-	103.8 *	-	160.8					
164.0	113.5 *	98.8	-	111.3 *	96.1	-	-	110.2 *	-	-	-	103.2 *	-	164.0					
167.3	110.5 *	96.0	-	108.2 *	93.3	-	-	107.1 *	91.7	-	-	100.9 *	-	167.3					
177.2	101.2 *	87.5	-	99.0 *	84.7	-	-	97.9 *	83.3	-	-	95.7 *	81.4	177.2					
190.3	90.6 *	77.8	-	88.4 *	75.2	-	-	87.3 *	73.6	-	-	85.5 *	71.4	190.3					
203.4	79.8 *	69.7	-	79.4 *	66.6	-	-	78.0 *	65.0	-	-	76.5 *	62.8	203.4					
210.0	74.4	65.9	54.7	74.6 *	62.8	-	-	74.1 *	61.3	-	-	72.5 *	59.1	210.0					
216.5	69.2	62.2	51.4	69.9 *	59.1	-	-	70.1 *	57.5	-	-	68.6 *	55.3	216.5					
219.8	66.9	60.6	49.9	67.4 *	57.5	46.5	-	67.6 *	55.9	-	-	66.8 *	53.7	219.8					
229.7	60.0	55.8	45.6	60.0 *	52.7	42.3	-	60.0 *	50.9	-	-	61.7 *	48.7	229.7					
232.9	57.9	54.3	44.3	57.8 *	51.3	41.0	-	57.7 *	49.5	39.0	-	59.4 *	47.3	232.9					
242.8	51.6	50.0	40.3	51.1 *	47.0	37.0	-	51.1 *	45.2	35.3	-	52.5 *	43.0	32.8	242.8				
255.9	44.5	45.0	35.9	43.7 *	41.9	32.6	-	43.4 *	40.1	30.9	-	43.9 *	37.9	28.2	255.9				
259.2	42.9	43.9	34.9	42.0 *	40.8	31.6	-	41.8 *	39.0	29.8	-	41.9 *	36.8	27.2	259.2				
265.7	39.7	40.9	32.8	38.7 *	38.6	29.5	-	38.5 *	36.8	27.7	-	38.1 *	34.4	25.2	265.7				
269.0	-	39.5	31.7	37.0 *	37.5	28.4	-	36.8 *	35.7	26.7	-	36.2 *	33.3	24.3	269.0				
278.9	-	35.2	29.1	33.1 *	33.8	25.8	-	32.4 *	32.6	24.0	-	31.7 *	30.2	21.4	278.9				
282.2	-	33.7	28.2	31.1 *	32.6	24.9	-	30.9 *	31.5	23.1	-	30.2 *	29.3	20.5	282.2				
285.4	-	32.4	27.4	-	31.4	24.1	-	29.6 *	30.4	22.3	-	28.8 *	28.2	19.8	285.4				
295.3	-	-	25.1	-	27.6	21.6	-	25.8 *	26.9	19.8	-	24.7 *	24.9	17.4	295.3				
298.6	-	-	24.4	-	26.5	20.9	-	24.7 *	25.7	19.0	-	23.5 *	23.8	16.6	298.6				
301.8	-	-	23.7	-	25.2	20.2	-	23.6 *	24.6	18.3	-	22.4 *	22.7	15.9	301.8				
305.1	-	-	22.9	-	24.0	19.5	-	-	23.4	17.6	-	21.2 *	21.6	15.1	305.1				
308.4	-	-	-	-	-	18.7	-	-	22.3	17.0	-	20.1 *	20.5	14.3	308.4				
318.2	-	-	-	-	-	16.9	-	-	19.3	15.0	-	17.0 *	17.5	12.3	318.2				
321.5	-	-	-	-	-	16.3	-	-	18.3	14.3	-	16.1 *	16.5	11.7	321.5				
324.8	-	-	-	-	-	15.7	-	-	-	13.7	-	-	15.5	11.1	324.8				
334.6	-	-	-	-	-	-	-	-	-	11.9	-	-	12.8	9.3	334.6				
341.2	-	-	-	-	-	-	-	-	-	10.8	-	-	11.0	-	341.2				

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 ft															 32.2 ft/s			360°			ASME B30.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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39.4	718.7*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

39.4 ft x 39.4 ft															32.2 ft/s	360°	ASME B30.5
137.8 ft																	
177.2 ft				196.9 ft				216.5 ft				236.2 ft					
SW_1																	
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°					
ft				1,000 lb											ft		
59.1	339.5*	-	-	-	-	-	-	-	-	-	-	-	-	-	59.1		
65.6	332.9*	-	-	288.8*	-	-	-	-	-	-	-	-	-	-	65.6		
68.9	332.9	-	-	286.6*	-	-	-	249.1*	-	-	-	-	-	-	68.9		
72.2	328.5	-	-	284.4*	-	-	-	246.9*	-	-	-	213.8*	-	-	72.2		
78.7	315.3*	-	-	282.2	-	-	-	242.5*	-	-	-	211.6*	-	-	78.7		
85.3	288.8*	-	-	273.4	-	-	-	240.3	-	-	-	208.3	-	-	85.3		
91.9	266.8*	-	-	260.1*	-	-	-	235.9	-	-	-	206.1	-	-	91.9		
98.4	242.5*	-	-	240.3*	-	-	-	231.5*	-	-	-	203.9	-	-	98.4		
111.5	203.9*	-	-	202.8*	-	-	-	201.7*	-	-	-	196.2*	-	-	111.5		
124.7	175.3*	152.1	-	173.1*	-	-	-	172.0*	-	-	-	170.9*	-	-	124.7		
131.2	163.7*	142.2	-	161.5*	138.9	-	-	160.4*	-	-	-	159.3*	-	-	131.2		
137.8	152.1*	132.3	-	149.9*	129.0	-	-	148.8*	-	-	-	147.7*	-	-	137.8		
141.1	147.4*	128.1	-	145.5*	125.1	-	-	144.4*	123.5	-	-	143.0*	-	-	141.1		
147.6	138.1*	119.9	-	136.7*	117.4	-	-	135.6*	115.4	-	-	133.7*	113.5	-	147.6		
150.9	133.4*	115.7	-	132.3*	113.5	-	-	131.2*	111.3	-	-	129.0*	110.2	-	150.9		
164.0	115.7	102.5	-	115.7*	100.3	-	-	115.7*	98.8	-	-	114.6*	97.0	-	164.0		
173.9	104.3	94.2	80.9	104.1	92.0	-	-	106.2*	90.5	-	-	105.4*	88.7	-	173.9		
177.2	100.5	91.5	78.5	101.0	89.3	-	-	103.0*	87.7	-	-	102.3*	86.0	-	177.2		
183.7	93.7	86.9	74.1	94.1	84.7	-	-	96.0*	83.1	-	-	96.1*	81.4	-	183.7		
187.0	90.3	84.5	71.9	90.7	82.3	68.8	-	92.5*	80.8	-	-	93.0*	79.0	-	187.0		
190.3	86.9	82.2	69.7	87.3	80.0	66.8	-	89.5	78.5	-	-	89.9*	76.7	-	190.3		
196.9	-	78.4	66.0	81.5	76.1	63.1	-	83.6	74.5	60.8	-	83.9*	72.6	-	196.9		
203.4	-	74.5	62.4	75.6	72.1	59.3	-	77.8	70.5	57.3	-	77.8	68.6	-	203.4		
206.7	-	72.8	60.8	73.0	70.4	57.7	-	75.2	68.6	55.7	-	75.3	66.7	53.4	206.7		
210.0	-	71.1	59.2	70.3	68.7	56.1	-	72.6	66.8	54.1	-	72.8	64.9	51.7	210.0		
213.3	-	69.4	57.6	-	67.0	54.5	-	70.1	65.0	52.5	-	70.2	63.1	50.1	213.3		
216.5	-	-	56.0	-	65.3	52.9	-	67.5	63.3	50.9	-	67.7	61.3	48.5	216.5		
223.1	-	-	53.2	-	62.3	50.0	-	62.9	60.2	48.2	-	63.2	58.1	45.7	223.1		
226.4	-	-	51.9	-	60.8	48.7	-	60.6	58.6	46.8	-	60.9	56.5	44.4	226.4		
229.7	-	-	50.5	-	59.3	47.4	-	57.1	55.4	45.4	-	58.6	54.9	43.0	229.7		
232.9	-	-	49.4	-	58.0	46.2	-	55.7	54.2	44.2	-	56.7	53.5	41.8	232.9		
236.2	-	-	48.3	-	-	45.1	-	54.3	53.0	43.0	-	54.8	52.1	40.6	236.2		
242.8	-	-	-	-	-	42.8	-	51.6	50.6	40.6	-	50.9	49.4	38.1	242.8		
246.1	-	-	-	-	-	41.8	-	49.9	49.9	39.5	-	49.2	48.1	37.0	246.1		
252.6	-	-	-	-	-	39.8	-	46.5	46.5	37.4	-	-	45.4	34.8	252.6		
255.9	-	-	-	-	-	38.8	-	-	-	36.4	-	-	44.1	33.7	255.9		
269.0	-	-	-	-	-	-	-	-	-	32.6	-	-	38.1	30.0	269.0		
272.3	-	-	-	-	-	-	-	-	-	31.9	-	-	36.8	29.2	272.3		
275.6	-	-	-	-	-	-	-	-	-	31.1	-	-	-	28.3	275.6		
282.2	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7	282.2		
292.0	-	-	-	-	-	-	-	-	-	-	-	-	-	24.5	292.0		

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

39.4 ft x 39.4 ft													32.2 ft/s		360°		ASME B30.5						
137.8 ft																							
255.9 ft				275.6 ft				295.3 ft				315.0 ft											
SW_1																							
87°/85°				75°				65°				87°/85°				75°				65°			
ft				1,000 lb												ft							
78.7	181.9	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78.7						
82.0	180.8	*	-	-	154.3	*	-	-	-	-	-	-	-	-	-	-	82.0						
85.3	179.7	*	-	-	153.2	*	-	-	-	132.3	*	-	-	-	-	-	85.3						
91.9	177.5	*	-	-	152.1	*	-	-	-	130.1	*	-	-	-	112.4	*	91.9						
98.4	175.3	*	-	-	149.9	*	-	-	-	129.0	*	-	-	-	111.3	*	98.4						
111.5	172.0	*	-	-	146.6	*	-	-	-	126.8	*	-	-	-	109.8	*	111.5						
124.7	165.3	*	-	-	143.3	*	-	-	-	123.5	*	-	-	-	107.1	*	124.7						
137.8	146.6	*	-	-	140.0	*	-	-	-	120.2	*	-	-	-	104.7	*	137.8						
150.9	127.9	*	-	-	125.7	*	-	-	-	116.8	*	-	-	-	102.3	*	150.9						
157.5	120.7	*	101.9	-	117.9	*	-	-	-	113.5	*	-	-	-	101.0	*	157.5						
164.0	113.5	*	95.5	-	110.2	*	92.6	-	-	110.2	*	-	-	-	99.6	*	164.0						
173.9	104.1	*	87.2	-	101.5	*	84.3	-	-	100.6	*	82.7	-	-	94.9	*	173.9						
177.2	101.0	*	84.4	-	98.5	*	81.6	-	-	97.7	*	80.0	-	-	93.5	*	177.2						
180.4	98.3	*	82.1	-	95.9	*	78.9	-	-	95.0	*	77.5	-	-	91.4	*	180.4						
190.3	90.4	*	75.0	-	88.0	*	71.7	-	-	86.9	*	70.1	-	-	85.3	*	190.3						
203.4	80.2	*	66.6	-	78.5	*	63.3	-	-	77.8	*	61.7	-	-	76.3	*	203.4						
216.5	69.2	*	59.3	-	67.9	*	56.0	-	-	70.1	*	54.5	-	-	68.3	*	216.5						
219.8	66.8	*	57.7	45.0	65.5	*	54.5	-	-	67.6	*	52.8	-	-	66.6	*	219.8						
229.7	60.0	*	52.9	41.0	58.4	*	49.8	37.5	-	60.2	*	48.1	-	-	61.5	*	229.7						
239.5	53.8	*	48.8	37.2	52.0	*	45.6	33.8	-	53.4	*	43.9	32.0	-	55.2	*	239.5						
242.8	51.8	*	47.4	35.9	50.0	*	44.3	32.6	-	51.1	*	42.5	30.9	-	53.1	*	242.8						
252.6	46.5	*	43.7	32.6	44.8	*	40.5	29.3	-	45.2	*	38.9	27.6	-	46.4	*	252.6						
255.9	44.8	*	42.5	31.7	43.0	*	39.2	28.2	-	43.2	*	37.7	26.5	-	44.1	*	255.9						
262.5	41.7	*	40.2	29.8	39.8	*	37.0	26.3	-	39.8	*	35.5	24.5	-	40.1	*	262.5						
265.7	40.1	*	39.1	28.8	38.2	*	35.9	25.4	-	38.2	*	34.4	23.5	-	38.1	*	265.7						
269.0	-	*	37.9	27.8	36.6	*	34.8	24.5	-	36.6	*	33.3	22.5	-	36.2	*	269.0						
278.9	-	*	34.0	25.3	32.6	*	32.0	21.8	-	32.2	*	30.3	20.1	-	31.3	*	278.9						
282.2	-	*	32.6	24.5	31.3	*	31.1	20.9	-	30.9	*	29.3	19.2	-	29.8	*	282.2						
285.4	-	*	31.4	23.7	30.0	*	29.8	20.2	-	29.6	*	28.3	18.4	-	28.4	*	285.4						
288.7	-	*	30.2	22.9	-	*	28.6	19.4	-	28.3	*	27.2	17.6	-	27.1	*	288.7						
295.3	-	*	-	21.4	-	*	26.2	17.9	-	25.8	*	25.1	16.1	-	24.5	*	295.3						
298.6	-	*	-	20.7	-	*	25.2	17.2	-	24.8	*	24.1	15.4	-	23.4	*	298.6						
305.1	-	*	-	19.4	-	*	23.1	15.9	-	22.7	*	22.0	13.9	-	21.2	*	305.1						
308.4	-	*	-	18.7	-	*	22.0	15.2	-	-	*	20.9	13.2	-	20.1	*	308.4						
311.7	-	*	-	18.1	-	*	-	14.6	-	-	*	20.0	12.6	-	19.0	*	311.7						
315.0	-	*	-	-	-	*	-	14.0	-	-	*	19.0	12.0	-	17.9	*	315.0						
318.2	-	*	-	-	-	*	-	13.4	-	-	*	18.0	11.4	-	17.0	*	318.2						
321.5	-	*	-	-	-	*	-	12.8	-	-	*	17.0	10.8	-	16.1	*	321.5						
328.1	-	*	-	-	-	*	-	11.8	-	-	*	15.2	9.6	-	-	*	328.1						
331.4	-	*	-	-	-	*	-	11.2	-	-	*	-	9.0	-	-	*	331.4						
334.6	-	*	-	-	-	*	-	-	-	-	*	-	-	-	-	*	334.6						
344.5	-	*	-	-	-	*	-	-	-	-	*	-	-	-	-	*	344.5						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

		 39.4 ft x 39.4 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					
		SW_1																	
		87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°	87°/85°	75°	65°			
ft								1,000 lb									ft		
39.4	674.6*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4		
42.7	657.0*	-	-	-	579.8*	-	-	-	-	-	-	-	-	-	-	-	42.7		
45.9	632.7*	-	-	-	566.6*	-	-	-	-	-	-	-	-	-	-	-	45.9		
49.2	588.6*	-	-	-	555.6*	-	-	489.4*	-	-	-	-	-	-	-	-	49.2		
52.5	549.0*	-	-	-	529.1*	-	-	480.6*	-	-	423.3*	-	-	-	-	-	52.5		
55.8	502.7	-	-	-	496.0*	-	-	471.8*	-	-	416.7*	-	-	366.0*	-	-	55.8		
59.1	456.4	-	-	-	467.4*	-	-	451.9*	-	-	410.1*	-	-	361.6*	-	-	59.1		
65.6	388.0	-	-	-	416.7*	-	-	405.7*	-	-	394.6*	-	-	352.7*	-	-	65.6		
72.2	337.3	-	-	-	359.4	-	-	366.0*	-	-	357.1*	-	-	341.7*	-	-	72.2		
78.7	299.8	-	-	-	310.9	-	-	326.3	-	-	326.3*	-	-	315.3*	-	-	78.7		
85.3	266.8	-	-	-	275.6	-	-	286.6	-	-	299.8*	-	-	288.8*	-	-	85.3		
91.9	235.9	240.3	-	-	251.3	-	-	251.3	-	-	269.0*	-	-	266.8*	-	-	91.9		
95.1	222.7	229.3	-	-	239.2	-	-	239.2	-	-	256.8*	-	-	254.6*	-	-	95.1		
98.4	-	218.3	-	-	227.1	215.0	-	227.1	-	-	244.7*	-	-	242.5*	-	-	98.4		
108.3	-	191.8	-	-	195.7	189.3	-	200.6	186.3	-	209.2*	-	-	213.6*	-	-	108.3		
111.5	-	183.0	-	-	185.2	180.8	-	191.8	178.6	-	197.3*	-	-	203.9*	-	-	111.5		
114.8	-	176.6	-	-	175.3	174.2	-	183.8	172.0	-	189.3*	169.8	-	195.4*	-	-	114.8		
124.7	-	157.6	-	-	-	154.3	-	159.8	152.1	-	167.6	151.0	-	169.8*	147.7	-	124.7		
128.0	-	-	133.4	-	-	149.4	-	152.5	147.2	-	161.2	146.1	-	163.4*	142.7	-	128.0		
134.5	-	-	124.6	-	-	139.4	-	137.8	137.2	-	148.5	136.1	-	150.7*	132.8	-	134.5		
137.8	-	-	120.2	-	-	134.5	-	-	132.3	-	142.2	131.2	-	144.4	127.9	-	137.8		
141.1	-	-	116.7	-	-	130.6	112.4	-	128.4	-	136.4	127.3	-	139.4	124.0	-	141.1		
144.4	-	-	113.3	-	-	126.8	109.3	-	124.6	-	130.6	123.5	-	134.5	120.2	-	144.4		
147.6	-	-	109.9	-	-	-	106.1	-	120.7	-	124.8	119.6	-	129.5	116.3	-	147.6		
150.9	-	-	106.5	-	-	-	103.0	-	116.8	100.5	119.0	115.7	-	124.6	112.4	-	150.9		
154.2	-	-	-	-	-	-	100.1	-	113.8	97.7	114.6	112.5	-	120.0	109.2	-	154.2		
160.8	-	-	-	-	-	-	94.4	-	107.6	91.9	-	106.2	89.9	110.8	102.7	-	160.8		
164.0	-	-	-	-	-	-	91.5	-	-	89.1	-	103.0	87.1	106.3	99.4	-	164.0		
167.3	-	-	-	-	-	-	89.1	-	-	86.6	-	100.3	84.6	102.3	96.8	-	167.3		
173.9	-	-	-	-	-	-	-	-	-	81.6	-	95.0	79.6	94.4	91.5	75.2	173.9		
177.2	-	-	-	-	-	-	-	-	-	79.1	-	92.4	77.2	-	88.8	72.8	177.2		
180.4	-	-	-	-	-	-	-	-	-	77.2	-	90.2	75.1	-	86.6	70.7	180.4		
187.0	-	-	-	-	-	-	-	-	-	73.2	-	-	71.0	-	82.2	66.6	187.0		
190.3	-	-	-	-	-	-	-	-	-	-	-	-	69.0	-	80.0	64.6	190.3		
200.1	-	-	-	-	-	-	-	-	-	-	-	-	64.0	-	74.5	59.3	200.1		
203.4	-	-	-	-	-	-	-	-	-	-	-	-	62.4	-	-	57.5	203.4		
206.7	-	-	-	-	-	-	-	-	-	-	-	-	60.8	-	-	56.1	206.7		
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.8	216.5		
226.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.3	226.4		
		143,300 lb	231,500 lb	319,700 lb	408,000 lb	496,000 lb													

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

39.4 ft x 39.4 ft													32.2 ft/s	360°	ASME B30.5
157.5 ft															
177.2 ft				196.9 ft				216.5 ft				236.2 ft			
SW_1															
87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°				87°/85° 75° 65°			
ft				1,000 lb										ft	
62.3	310.9*	-	-	-	-	-	-	-	-	-	-	-	-	62.3	
65.6	308.6*	-	-	269.0*	-	-	-	-	-	-	-	-	-	65.6	
68.9	305.3*	-	-	266.8*	-	-	-	231.5*	-	-	-	-	-	68.9	
72.2	304.2	-	-	264.6*	-	-	-	229.3*	-	-	-	-	-	72.2	
75.5	300.9	-	-	262.4*	-	-	-	228.2*	-	-	-	199.5*	-	75.5	
78.7	297.6	-	-	262.4	-	-	-	227.1*	-	-	-	198.4*	-	78.7	
85.3	282.2*	-	-	257.9	-	-	-	222.7	-	-	-	195.1*	-	85.3	
91.9	260.1*	-	-	249.1*	-	-	-	220.5	-	-	-	192.9	-	91.9	
98.4	242.5*	-	-	235.9*	-	-	-	218.3	-	-	-	190.7	-	98.4	
111.5	203.9*	-	-	201.7*	-	-	-	200.6*	-	-	-	185.2	-	111.5	
124.7	174.2*	-	-	173.1*	-	-	-	172.0*	-	-	-	170.9*	-	124.7	
131.2	160.9*	136.7	-	161.5*	-	-	-	160.4*	-	-	-	159.3*	-	131.2	
137.8	147.7*	127.9	-	149.9*	125.7	-	-	148.8*	-	-	-	147.7*	-	137.8	
147.6	132.0*	115.7	-	132.6*	113.8	-	-	134.8*	111.3	-	-	133.7*	-	147.6	
150.9	126.8	111.3	-	126.8	109.8	-	-	130.1*	108.2	-	-	129.0*	-	150.9	
154.2	122.6	108.2	-	122.5	106.5	-	-	125.1*	105.0	-	-	125.1*	103.0	154.2	
164.0	110.2	99.0	-	109.8*	96.8	-	-	111.3	95.2	-	-	113.5*	93.5	164.0	
177.2	95.0	88.4	-	95.0	86.0	-	-	96.3*	84.4	-	-	97.4	82.7	177.2	
183.7	88.4	83.8	67.7	88.5	81.5	-	-	89.7*	79.8	-	-	90.6*	77.8	183.7	
187.0	85.1	81.5	65.7	85.3	79.2	-	-	86.4	77.5	-	-	87.4*	75.4	187.0	
190.3	81.8	79.1	63.7	82.0	76.9	-	-	83.3	75.2	-	-	84.2*	73.2	190.3	
196.9	-	75.4	60.2	76.4	73.0	57.1	-	77.6	71.0	-	-	78.3*	69.1	196.9	
203.4	-	71.7	56.7	70.8	69.0	53.8	-	72.3	67.0	-	-	72.8*	65.0	203.4	
206.7	-	70.0	55.1	68.2	67.1	52.2	-	69.8	65.3	50.0	-	70.2*	63.3	206.7	
210.0	-	68.3	53.6	65.7	65.3	50.7	-	67.4	63.5	48.5	-	67.7*	61.5	210.0	
216.5	-	64.6	50.7	-	61.5	47.6	-	62.4	60.0	45.4	-	62.8	58.0	43.2	216.5
219.8	-	62.2	49.4	-	59.5	46.3	-	60.3	58.4	44.1	-	60.7	56.3	41.9	219.8
223.1	-	-	48.1	-	57.5	45.0	-	58.2	56.8	42.9	-	58.5	54.7	40.6	223.1
229.7	-	-	45.4	-	53.6	42.3	-	54.0	53.6	40.3	-	54.2	51.4	37.9	229.7
239.5	-	-	42.1	-	48.1	39.0	-	-	48.4	36.9	-	48.6	46.6	34.4	239.5
242.8	-	-	41.0	-	-	37.9	-	-	46.7	35.7	-	46.7	45.0	33.3	242.8
246.1	-	-	40.1	-	-	36.9	-	-	45.1	34.6	-	45.0	43.5	32.3	246.1
249.3	-	-	-	-	-	35.9	-	-	43.5	33.5	-	43.2	42.0	31.3	249.3
255.9	-	-	-	-	-	34.0	-	-	40.3	31.7	-	-	39.0	29.3	255.9
262.5	-	-	-	-	-	32.2	-	-	-	30.0	-	-	36.3	27.4	262.5
269.0	-	-	-	-	-	-	-	-	-	28.2	-	-	33.5	25.6	269.0
275.6	-	-	-	-	-	-	-	-	-	26.7	-	-	30.9	24.0	275.6
282.2	-	-	-	-	-	-	-	-	-	25.1	-	-	-	22.5	282.2
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	295.3
301.8	-	-	-	-	-	-	-	-	-	-	-	-	-	18.5	301.8

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 ft													 32.2 ft/s			360°		ASME B30.5					
 157.5 ft																							
 255.9 ft				 275.6 ft				 295.3 ft				 315.0 ft											
SW_1																							
 87°/85°				 75°				 65°				 87°/85°				 75°				 65°			
ft				1,000 lb														ft					
78.7	170.9 *			-	-	-	-	-	-	-	-	-	-	-	-	-	78.7						
82.0	169.8 *			-	-	-	145.5 *	-	-	-	-	-	-	-	-	-	82.0						
85.3	168.7 *			-	-	-	144.4 *	-	-	-	-	-	-	-	-	-	85.3						
88.6	168.1 *			-	-	-	143.9 *	-	-	-	123.5 *	-	-	-	-	-	88.6						
91.9	167.6 *			-	-	-	143.3 *	-	-	-	123.5 *	-	-	-	106.9 *	-	91.9						
98.4	165.3 *			-	-	-	142.2 *	-	-	-	122.4 *	-	-	-	105.8 *	-	98.4						
111.5	162.0 *			-	-	-	137.8 *	-	-	-	119.0 *	-	-	-	103.8 *	-	111.5						
124.7	157.6 *			-	-	-	134.5 *	-	-	-	116.8 *	-	-	-	101.4 *	-	124.7						
137.8	146.6 *			-	-	-	131.2 *	-	-	-	113.5 *	-	-	-	99.0 *	-	137.8						
150.9	127.9 *			-	-	-	125.7 *	-	-	-	111.3 *	-	-	-	96.6 *	-	150.9						
164.0	112.4 *			91.9	-	-	110.2 *	-	-	-	106.0 *	-	-	-	94.1	-	164.0						
170.6	106.6 *			86.4	-	-	104.2 *	82.9	-	-	100.7 *	-	-	-	92.8	-	170.6						
177.2	100.8 *			80.9	-	-	98.3 *	77.6	-	-	95.2 *	-	-	-	91.5	-	177.2						
180.4	96.9 *			78.5	-	-	94.9 *	75.2	-	-	92.5 *	73.4	-	-	89.1	-	180.4						
187.0	89.1 *			73.8	-	-	88.1 *	70.5	-	-	87.1 *	68.7	-	-	84.4	66.4	187.0						
190.3	86.0 *			71.4	-	-	84.7 *	68.1	-	-	84.4 *	66.4	-	-	82.0	64.2	190.3						
203.4	74.5 *			63.3	-	-	71.9 *	60.0	-	-	74.3 *	58.2	-	-	73.0	56.0	203.4						
216.5	64.2 *			56.0	-	-	62.2 *	52.9	-	-	63.3 *	51.1	-	-	63.3 *	48.9	216.5						
226.4	57.2 *			51.4	37.0	-	55.6 *	48.2	-	-	56.4 *	46.5	-	-	56.7 *	44.3	226.4						
229.7	54.9 *			49.8	35.7	-	53.4 *	46.7	-	-	54.2 *	45.0	-	-	54.5 *	42.8	229.7						
239.5	49.2 *			45.1	32.2	-	47.4 *	42.3	28.7	-	48.1 *	40.7	-	-	48.2 *	38.8	239.5						
242.8	47.2 *			43.7	31.1	-	45.4 *	40.8	27.6	-	46.1 *	39.2	-	-	46.1 *	37.5	242.8						
249.3	43.9 *			40.9	29.1	-	42.0 *	38.1	25.6	-	42.4 *	36.2	23.8	-	42.2 *	34.1	249.3						
255.9	40.6 *			38.1	27.1	-	38.6 *	35.5	23.6	-	38.8 *	33.1	21.8	-	38.4 *	30.6	255.9						
259.2	39.1 *			36.8	26.2	-	37.1 *	34.2	22.7	-	37.2 *	31.9	20.7	-	36.7 *	29.3	259.2						
262.5	37.6 *			35.5	25.2	-	35.6 *	33.0	21.8	-	35.6 *	30.7	19.8	-	35.1 *	27.9	262.5						
269.0	34.6 *			32.8	23.4	-	32.6 *	30.4	20.1	-	32.4 *	28.7	18.1	-	31.7 *	25.1	269.0						
282.2	-			28.0	20.3	-	27.6 *	25.8	16.8	-	26.9 *	24.3	15.0	-	25.8 *	21.2	282.2						
285.4	-			26.9	19.4	-	26.5 *	24.7	16.0	-	25.7 *	23.2	14.2	-	24.5 *	20.2	285.4						
295.3	-			23.6	17.4	-	-	21.6	13.9	-	22.3 *	20.1	11.9	-	20.7 *	17.4	295.3						
298.6	-			-	16.8	-	-	20.6	13.2	-	21.2 *	19.1	11.2	-	19.6 *	16.5	298.6						
305.1	-			-	15.4	-	-	18.6	11.9	-	19.2 *	17.3	9.9	-	17.4 *	14.6	305.1						
308.4	-			-	14.8	-	-	17.6	11.2	-	-	16.3	9.3	-	16.3 *	13.7	308.4						
315.0	-			-	13.7	-	-	15.9	10.1	-	-	14.4	-	-	14.6 *	11.9	315.0						
318.2	-			-	13.1	-	-	-	9.6	-	-	13.4	-	-	13.7 *	11.0	318.2						
321.5	-			-	12.6	-	-	-	9.0	-	-	12.8	-	-	12.6 *	10.1	321.5						
324.8	-			-	-	-	-	-	-	-	-	11.9	-	-	11.9 *	9.5	324.8						
331.4	-			-	-	-	-	-	-	-	-	10.1	-	-	-	-	331.4						

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

39.4 ft x 39.4 ft																	32.2 ft/s			360°			ASME B30.5		
177.2 ft																									
SW_1																									
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°																									
ft																	1,000 lb						ft		
42.7	595.2	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.7								
45.9	579.8	*	-	-	515.9	*	-	-	-	-	-	-	-	-	-	-	45.9								
49.2	564.4	*	-	-	504.9	*	-	-	445.3	*	-	-	-	-	-	-	49.2								
52.5	529.1	*	-	-	491.6	*	-	-	438.7	*	-	-	385.8	*	-	-	52.5								
55.8	496.0	*	-	-	480.6	*	-	-	429.9	*	-	-	379.2	*	-	335.1	55.8								
59.1	456.4	-	-	-	451.9	*	-	-	421.1	*	-	-	374.8	*	-	330.7	59.1								
65.6	385.8	-	-	-	405.7	*	-	-	392.4	*	-	-	370.4	-	-	321.9	65.6								
72.2	330.7	-	-	-	359.4	*	-	-	357.1	*	-	-	346.1	*	-	317.5	72.2								
78.7	293.2	-	-	-	308.6	-	-	-	326.3	*	-	-	317.5	*	-	304.2	78.7								
85.3	262.4	-	-	-	269.0	-	-	-	293.2	*	-	-	291.0	*	-	282.2	85.3								
91.9	231.5	-	-	-	244.7	-	-	-	255.7	*	-	-	269.0	*	-	260.1	91.9								
98.4	205.0	211.6	-	-	220.5	-	-	-	222.7	*	-	-	244.7	*	-	242.5	98.4								
105.0	-	194.6	-	-	200.6	190.7	-	-	203.4	-	-	-	218.3	*	-	222.7	105.0								
111.5	-	177.5	-	-	180.8	174.2	-	-	186.3	-	-	-	191.8	*	-	202.8	111.5								
114.8	-	171.4	-	-	171.4	168.1	-	-	178.6	166.4	-	-	184.1	*	-	193.2	114.8								
118.1	-	165.3	-	-	162.0	162.0	-	-	170.9	160.2	-	-	176.4	*	-	183.5	118.1								
121.4	-	159.3	-	-	-	156.0	-	-	163.1	154.0	-	-	168.7	*	152.1	173.9	121.4								
124.7	-	153.2	-	-	-	149.9	-	-	155.4	147.7	-	-	162.0	-	146.6	164.2	124.7								
128.0	-	147.7	-	-	-	145.0	-	-	148.5	142.7	-	-	155.7	-	141.6	157.9	128.0								
131.2	-	-	-	-	-	140.0	-	-	141.6	137.8	-	-	149.4	-	136.7	151.6	131.2								
137.8	-	-	112.4	-	-	130.1	-	-	127.9	127.9	-	-	136.7	-	126.8	140.0	137.8								
147.6	-	-	102.8	-	-	117.9	-	-	-	116.3	-	-	121.0	-	114.6	124.3	147.6								
150.9	-	-	99.6	-	-	-	95.7	-	-	112.4	-	-	115.7	-	111.3	119.0	150.9								
154.2	-	-	96.8	-	-	-	92.7	-	-	109.5	-	-	110.2	-	108.2	114.8	154.2								
157.5	-	-	93.9	-	-	-	89.7	-	-	106.6	-	-	-	-	105.2	110.6	157.5								
160.8	-	-	-	-	-	-	87.1	-	-	103.7	84.4	-	-	102.1	-	106.3	160.8								
164.0	-	-	-	-	-	-	84.4	-	-	100.8	81.8	-	-	99.0	-	102.1	164.0								
167.3	-	-	-	-	-	-	82.2	-	-	97.4	79.4	-	-	96.5	-	98.3	167.3								
170.6	-	-	-	-	-	-	79.9	-	-	-	77.1	-	-	93.9	75.0	94.4	170.6								
173.9	-	-	-	-	-	-	77.7	-	-	-	74.7	-	-	91.4	72.6	90.6	173.9								
177.2	-	-	-	-	-	-	75.4	-	-	-	72.3	-	-	88.8	70.3	-	177.2								
183.7	-	-	-	-	-	-	-	-	-	-	68.6	-	-	83.8	66.5	-	183.7								
187.0	-	-	-	-	-	-	-	-	-	-	66.7	-	-	81.4	64.5	-	187.0								
190.3	-	-	-	-	-	-	-	-	-	-	64.8	-	-	-	62.6	-	190.3								
196.9	-	-	-	-	-	-	-	-	-	-	61.5	-	-	-	59.4	-	196.9								
203.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.2	-	203.4								
216.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.9	-	216.5								
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229.7								
232.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232.9								
143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb																									

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

39.4 ft x 39.4 ft													32.2 ft/s	360°	ASME B30.5
177.2 ft															
SW_1															
177.2 ft															
196.9 ft															
216.5 ft															
236.2 ft															
87°/85°															
75°															
65°															
1,000 lb															
ft															
62.3	286.6*	-	-	-	-	-	-	-	-	-	-	-	-	-	62.3
65.6	284.4*	-	-	249.1*	-	-	-	-	-	-	-	-	-	-	65.6
72.2	277.8*	-	-	244.7*	-	-	-	213.8*	-	-	-	-	-	-	72.2
75.5	277.8*	-	-	242.5*	-	-	-	212.2*	-	-	-	186.3*	-	-	75.5
78.7	275.6*	-	-	240.3*	-	-	-	210.5*	-	-	-	185.2*	-	-	78.7
85.3	266.8*	-	-	238.1*	-	-	-	208.3*	-	-	-	183.0*	-	-	85.3
91.9	253.5*	-	-	233.7*	-	-	-	206.1*	-	-	-	180.8*	-	-	91.9
98.4	235.9*	-	-	224.9*	-	-	-	202.8*	-	-	-	177.5*	-	-	98.4
111.5	202.8*	-	-	200.6*	-	-	-	192.9*	-	-	-	173.1*	-	-	111.5
124.7	174.2*	-	-	172.0*	-	-	-	170.9*	-	-	-	165.3*	-	-	124.7
137.8	143.3*	123.5	-	148.8*	-	-	-	147.7*	-	-	-	146.6*	-	-	137.8
147.6	127.6*	111.9	-	129.0*	109.3	-	-	134.5*	-	-	-	133.4*	-	-	147.6
150.9	122.4*	108.0	-	123.5*	105.6	-	-	130.1*	-	-	-	129.0*	-	-	150.9
154.2	118.2*	104.8	-	118.7*	102.5	-	-	124.2*	100.5	-	-	124.6*	-	-	154.2
160.8	109.8*	98.4	-	109.6*	96.2	-	-	113.6*	94.5	-	-	115.7*	92.6	-	160.8
164.0	105.6*	95.2	-	105.4*	93.0	-	-	109.6*	91.5	-	-	111.3*	89.7	-	164.0
177.2	90.8*	84.9	-	90.6*	82.5	-	-	92.2*	80.7	-	-	94.1*	78.7	-	177.2
187.0	81.2*	78.3	-	81.2*	75.4	-	-	82.6*	73.7	-	-	83.2*	71.8	-	187.0
190.3	78.0*	76.1	-	78.0*	73.2	-	-	79.4*	71.4	-	-	80.0*	69.4	-	190.3
193.6	75.2*	74.0	55.8	75.3*	71.0	-	-	76.6*	69.3	-	-	77.2*	67.3	-	193.6
203.4	-	67.5	50.7	67.0*	64.6	-	-	68.3*	63.1	-	-	68.8*	60.8	-	203.4
206.7	-	65.3	49.3	64.7*	62.6	46.3	-	66.0*	61.1	-	-	66.4*	58.8	-	206.7
213.3	-	61.0	46.4	60.0*	58.6	43.5	-	61.2*	57.3	-	-	61.5*	54.7	-	213.3
216.5	-	58.9	45.0	-	56.7	42.1	58.9	55.3	39.9	-	-	59.1*	52.7	-	216.5
223.1	-	54.7	42.5	-	53.0	39.6	54.8	52.0	37.4	-	-	54.8*	49.4	-	223.1
226.4	-	-	41.3	-	51.2	38.3	52.7	50.4	36.2	52.7	-	52.7*	47.7	33.7	226.4
229.7	-	-	40.1	-	49.4	37.0	50.7	48.7	35.1	50.7	-	50.7*	46.1	32.6	229.7
232.9	-	-	39.1	-	47.7	35.9	48.7	47.1	34.0	48.9	-	48.9*	44.6	31.5	232.9
242.8	-	-	35.9	-	42.5	32.8	-	42.3	30.6	43.4	-	43.4*	40.1	28.2	242.8
249.3	-	-	34.2	-	-	31.0	-	39.4	28.8	40.1	-	40.1*	37.4	26.3	249.3
252.6	-	-	33.3	-	-	30.0	-	37.9	27.8	-	-	-	36.0	25.4	252.6
255.9	-	-	-	-	-	29.1	-	36.4	26.9	-	-	-	34.6	24.5	255.9
262.5	-	-	-	-	-	27.6	-	33.7	25.2	-	-	-	32.1	22.8	262.5
269.0	-	-	-	-	-	26.0	-	-	23.6	-	-	-	29.5	21.2	269.0
272.3	-	-	-	-	-	25.4	-	-	22.9	-	-	-	28.4	20.3	272.3
282.2	-	-	-	-	-	-	-	-	20.7	-	-	-	24.9	18.1	282.2
292.0	-	-	-	-	-	-	-	-	19.0	-	-	-	-	16.1	292.0
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	15.4	295.3
308.4	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	308.4
311.7	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	311.7

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 ft													 32.2 ft/s			360°		ASME B30.5	
 177.2 ft																			
 255.9 ft				 275.6 ft				 295.3 ft				 315.0 ft							
SW_1																			
 87°/85° 75° 65°				 87°/85° 75° 65°				 87°/85° 75° 65°				 87°/85° 75° 65°							
ft				1,000 lb											ft				
78.7	157.6	*	-	-	-	-	-	-	-	-	-	-	-	-	78.7				
85.3	155.4	*	-	-	135.6	*	-	-	-	-	-	-	-	-	85.3				
88.6	154.9	*	-	-	135.0	*	-	-	115.7	*	-	-	-	-	88.6				
91.9	154.3	*	-	-	134.5	*	-	-	115.7	*	-	-	100.3	*	91.9				
98.4	152.1	*	-	-	133.4	*	-	-	114.6	*	-	-	99.4	*	98.4				
111.5	148.8	*	-	-	130.1	*	-	-	112.4	*	-	-	97.4	*	111.5				
124.7	144.4	*	-	-	126.8	*	-	-	110.0	*	-	-	95.2	*	124.7				
137.8	138.9	*	-	-	123.5	*	-	-	107.4	*	-	-	93.0	*	137.8				
150.9	127.9	*	-	-	117.9	*	-	-	104.7	*	-	-	90.6	*	150.9				
164.0	110.2	*	-	-	107.6	*	-	-	100.5	*	-	-	88.2	*	164.0				
170.6	102.4		82.0	-	100.8	*	-	-	96.6	*	-	-	86.9	*	170.6				
177.2	96.6		76.7	-	93.9	*	73.4	-	92.8	*	-	-	85.5	*	177.2				
183.7	87.9		72.1	-	88.0	*	68.8	-	87.7	*	66.8	-	82.7	*	183.7				
190.3	79.1		67.5	-	82.0	*	64.2	-	82.7	*	62.4	-	79.8	*	190.3				
193.6	75.9		65.5	-	78.3	*	62.2	-	79.5	*	60.4	-	77.8	*	193.6				
203.4	67.9	*	59.5	-	67.5	*	56.2	-	70.1	*	54.7	-	69.7	*	203.4				
216.5	58.4	*	51.6	-	58.0	*	49.4	-	58.6	*	47.8	-	58.6	*	216.5				
229.7	49.8	*	44.3	-	49.6	*	41.7	-	50.0	*	40.6	-	49.6	*	229.7				
236.2	46.2	*	41.3	28.2	45.8	*	38.5	-	46.2	*	37.1	-	45.6	*	236.2				
242.8	42.5	*	38.4	26.2	42.1	*	35.3	-	42.3	*	33.7	-	41.7	*	242.8				
249.3	39.4	*	35.8	24.3	38.8	*	32.7	20.5	38.8	*	30.8	-	38.1	*	249.3				
255.9	36.2	*	33.3	22.3	35.5	*	30.2	18.7	35.3	*	28.0	-	34.6	*	255.9				
259.2	34.8	*	32.1	21.4	34.1	*	29.1	17.9	33.8	*	26.8	16.1	33.0	*	259.2				
262.5	33.4	*	30.9	20.5	32.6	*	28.0	17.1	32.3	*	25.7	15.2	31.4	*	262.5				
269.0	30.6	*	28.4	19.0	29.8	*	25.8	15.4	29.3	*	23.4	13.4	28.2	*	269.0				
282.2	-		24.0	15.9	24.9	*	21.6	12.3	24.0	*	19.4	10.4	22.7	*	282.2				
288.7	-		21.9	14.6	22.3	*	19.6	11.0	21.8	*	17.5	9.0	20.3	*	288.7				
295.3	-		19.8	13.2	-		17.6	9.7	19.6	*	15.7	-	17.9	*	295.3				
298.6	-		19.0	12.6	-		16.7	9.0	18.6	*	14.8	-	16.9	*	298.6				
301.8	-		-	12.0	-		15.8	-	17.6	*	13.9	-	15.9	*	301.8				
308.4	-		-	10.8	-		13.9	-	15.4	*	12.1	-	13.9	*	308.4				
318.2	-		-	9.0	-		11.5	-	-		9.8	-	11.2	*	318.2				
321.5	-		-	-	-		-	-	-		9.0	-	10.4	*	321.5				
324.8	-		-	-	-		-	-	-		-	-	9.3	*	324.8				

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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

 39.4 ft x 39.4 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								
SW_1																				
 87°/85°		75°	65°	87°/85°		75°	65°	87°/85°		75°	65°	87°/85°		75°	65°					
ft								1,000 lb								ft				
45.9	-	-	-	467.4*	-	-	-	-	-	-	-	-	-	-	-	-	45.9			
49.2	-	-	-	458.6*	-	-	405.7*	-	-	-	-	-	-	-	-	-	49.2			
52.5	-	-	-	449.7*	-	-	399.0*	-	-	-	-	-	-	-	-	-	52.5			
55.8	-	-	-	440.9*	-	-	392.4*	-	-	-	348.3*	-	-	-	-	-	55.8			
59.1	-	-	-	429.9*	-	-	385.8*	-	-	-	343.9*	-	-	-	302.0*	-	59.1			
65.6	-	-	-	394.6*	-	-	372.6*	-	-	-	332.9*	-	-	-	295.4*	-	65.6			
72.2	-	-	-	357.1*	-	-	346.1*	-	-	-	326.3*	-	-	-	291.0*	-	72.2			
78.7	-	-	-	326.3*	-	-	317.5*	-	-	-	308.6*	-	-	-	284.4*	-	78.7			
85.3	-	-	-	280.0*	-	-	291.0*	-	-	-	284.4*	-	-	-	271.2*	-	85.3			
91.9	-	-	-	246.9*	-	-	269.0*	-	-	-	262.4*	-	-	-	253.5*	-	91.9			
98.4	-	-	-	224.9	-	-	229.3*	-	-	-	242.5*	-	-	-	235.9*	-	98.4			
111.5	-	-	-	184.1	168.7	-	188.5	-	-	-	198.4	-	-	-	201.7*	-	111.5			
118.1	-	-	-	166.4	156.5	-	173.1	-	-	-	181.3	-	-	-	185.2*	-	118.1			
121.4	-	-	-	-	150.5	-	165.3	147.7	-	-	172.8	-	-	-	176.9*	-	121.4			
124.7	-	-	-	-	144.4	-	157.6	142.2	-	-	164.2	-	-	-	168.7*	-	124.7			
128.0	-	-	-	-	139.4	-	151.0	137.4	-	-	157.9	135.6	-	-	162.0*	-	128.0			
131.2	-	-	-	-	134.5	-	144.4	132.6	-	-	151.6	131.2	-	-	155.4*	-	131.2			
137.8	-	-	-	-	124.6	-	131.2	123.5	-	-	138.9	122.4	-	-	142.2*	117.9	137.8			
147.6	-	-	94.4	-	113.9	-	-	112.2	-	-	123.2	110.9	-	-	126.2	107.4	147.6			
150.9	-	-	91.3	-	110.2	-	-	108.5	-	-	117.9	107.1	-	-	121.3	103.8	150.9			
154.2	-	-	88.6	-	107.4	-	-	105.4	-	-	113.4	104.1	-	-	116.9	100.8	154.2			
157.5	-	-	86.0	-	-	-	-	102.4	-	-	108.9	101.0	-	-	112.5	97.7	157.5			
160.8	-	-	83.3	-	-	78.7	-	99.4	-	-	-	97.9	-	-	108.2	94.6	160.8			
164.0	-	-	80.7	-	-	76.3	-	96.3	-	-	-	94.8	-	-	103.8	91.5	164.0			
167.3	-	-	78.5	-	-	74.1	-	93.8	-	-	-	92.3	-	-	100.1	88.9	167.3			
170.6	-	-	-	-	-	72.0	-	91.3	69.0	-	-	89.8	-	-	96.3	86.3	170.6			
177.2	-	-	-	-	-	67.7	-	-	64.8	-	-	84.9	-	-	88.8	81.1	177.2			
180.4	-	-	-	-	-	65.9	-	-	63.1	-	-	82.8	61.1	-	-	78.7	180.4			
187.0	-	-	-	-	-	62.4	-	-	59.5	-	-	78.6	57.5	-	-	74.4	187.0			
190.3	-	-	-	-	-	-	-	-	57.8	-	-	76.5	55.8	-	-	72.3	190.3			
193.6	-	-	-	-	-	-	-	-	56.3	-	-	-	54.2	-	-	70.5	49.6	193.6		
203.4	-	-	-	-	-	-	-	-	51.8	-	-	-	49.6	-	-	65.0	45.0	203.4		
210.0	-	-	-	-	-	-	-	-	-	-	-	-	47.1	-	-	60.8	42.3	210.0		
216.5	-	-	-	-	-	-	-	-	-	-	-	-	44.5	-	-	-	39.7	216.5		
223.1	-	-	-	-	-	-	-	-	-	-	-	-	42.3	-	-	-	37.5	223.1		
229.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.3	229.7		
242.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.7	242.8		

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

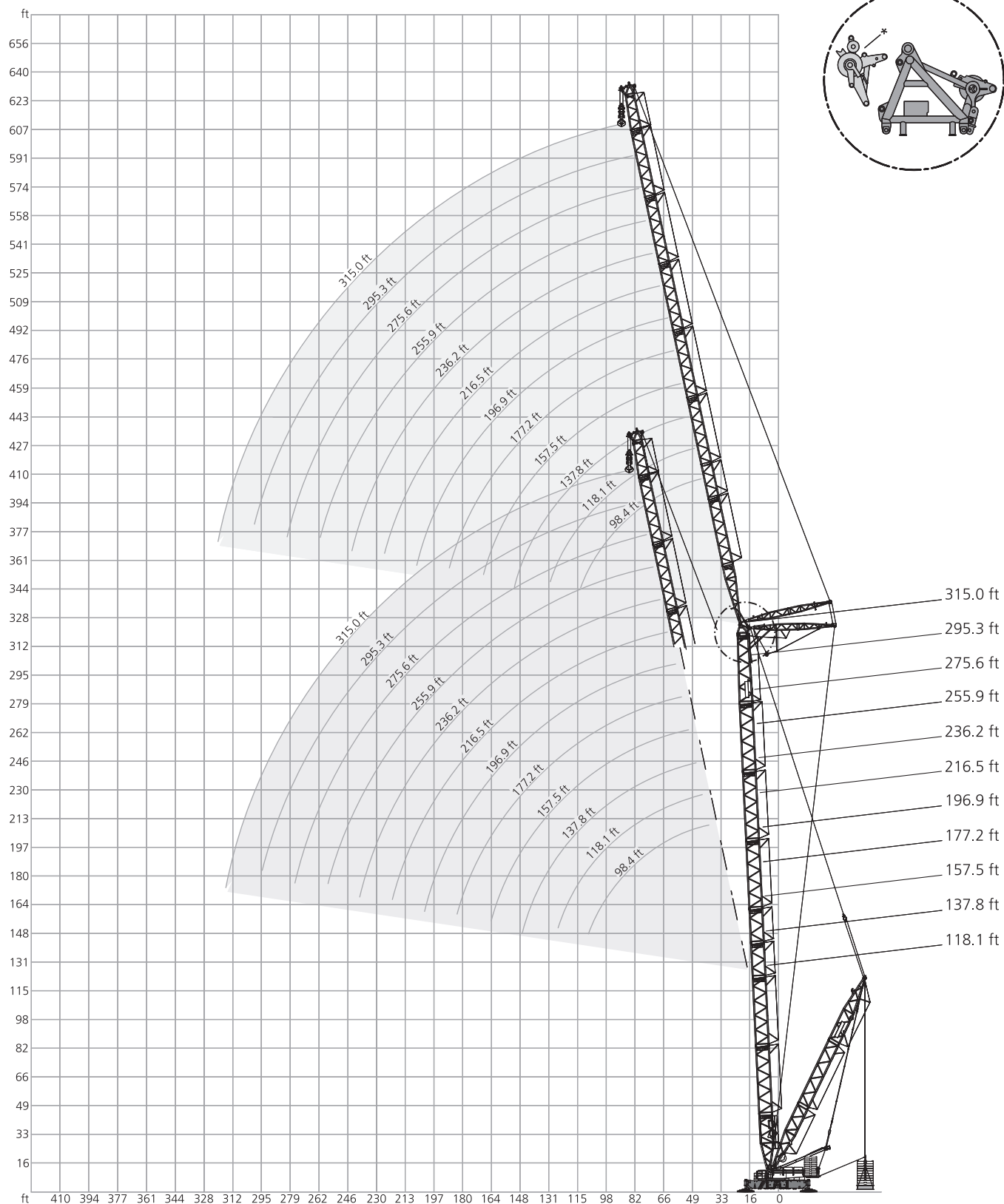
Main boom angle 87°, 85°, 75° and 65°, capacities for intermediate boom positions are calculated by the crane control system IC-1

39.4 ft x 39.4 ft											
32.2 ft/s											
360°											
ASME B30.5											
196.9 ft											
SW_1											
177.2 ft											
196.9 ft											
216.5 ft											
236.2 ft											
87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65° 87°/85° 75° 65°											
ft	1,000 lb										ft
62.3	264.6*	-	-	-	-	-	-	-	-	-	62.3
65.6	260.1*	-	-	229.3*	-	-	-	-	-	-	65.6
72.2	255.7*	-	-	224.9*	-	-	198.4*	-	-	-	72.2
75.5	255.7	-	-	222.7*	-	-	196.8*	-	-	172.0*	75.5
78.7	253.5	-	-	220.5*	-	-	195.1*	-	-	170.9*	78.7
85.3	249.1	-	-	219.4	-	-	192.9	-	-	168.7*	85.3
91.9	238.1	-	-	215.0	-	-	189.6	-	-	166.4	91.9
98.4	229.3*	-	-	211.6	-	-	187.4	-	-	165.3	98.4
111.5	201.7*	-	-	196.2*	-	-	180.8	-	-	160.9	111.5
124.7	173.1*	-	-	172.0*	-	-	168.7*	-	-	155.4	124.7
137.8	147.7*	-	-	148.8*	-	-	147.7*	-	-	145.5*	137.8
144.4	136.7*	110.2	-	136.7*	-	-	138.3	-	-	136.7	144.4
150.9	125.7*	103.6	-	125.7	-	-	129.0*	-	-	127.9*	150.9
154.2	121.1*	100.5	-	120.5	97.9	-	124.2*	-	-	124.0*	154.2
160.8	111.9*	94.4	-	111.5*	91.7	-	114.8*	89.7	-	116.3*	160.8
164.0	107.4*	91.3	-	107.1*	88.6	-	110.0	86.9	-	112.4*	164.0
167.3	103.5	88.6	-	103.3*	85.9	-	106.2*	84.2	-	108.4*	167.3
177.2	92.4	80.7	-	91.9*	78.0	-	94.8*	76.1	-	96.1*	177.2
187.0	82.8	74.1	-	82.0*	71.3	-	84.7*	69.4	-	85.8*	187.0
190.3	79.6	71.9	-	78.7	69.0	-	81.4*	67.2	-	82.7*	190.3
193.6	76.7	69.9	-	76.0	67.1	-	78.4*	65.3	-	79.7*	193.6
203.4	-	64.2	44.3	67.9	61.5	-	69.7*	59.5	-	70.8*	203.4
206.7	-	62.4	43.0	65.6	59.7	-	67.2*	57.8	-	68.2*	206.7
213.3	-	59.0	40.3	60.8	56.2	37.3	62.3	54.4	-	63.0*	213.3
216.5	-	57.3	39.0	-	54.5	35.9	60.0	52.7	-	60.4*	216.5
226.4	-	51.7	35.5	-	49.3	32.5	53.8	47.8	30.2	53.8*	226.4
229.7	-	49.8	34.4	-	47.6	31.3	51.8	46.3	29.1	51.6*	229.7
232.9	-	-	33.4	-	46.1	30.3	49.8	44.9	28.1	49.8*	232.9
236.2	-	-	32.4	-	44.5	29.3	-	43.4	27.1	48.0*	236.2
242.8	-	-	30.4	-	41.4	27.3	-	40.6	25.1	44.3*	242.8
246.1	-	-	29.6	-	39.9	26.5	-	39.2	24.3	42.8*	246.1
249.3	-	-	28.8	-	38.4	25.6	-	37.8	23.4	41.0	249.3
252.6	-	-	27.9	-	-	24.7	-	36.4	22.5	39.5	252.6
255.9	-	-	27.1	-	-	23.8	-	35.1	21.6	-	255.9
262.5	-	-	25.6	-	-	22.4	-	32.6	20.0	-	262.5
265.7	-	-	-	-	-	21.7	-	31.3	19.3	-	265.7
269.0	-	-	-	-	-	20.9	-	-	18.5	-	269.0
282.2	-	-	-	-	-	18.3	-	-	15.9	-	282.2
285.4	-	-	-	-	-	-	-	-	15.3	-	285.4
295.3	-	-	-	-	-	-	-	-	13.4	-	295.3
298.6	-	-	-	-	-	-	-	-	13.0	-	298.6
305.1	-	-	-	-	-	-	-	-	-	-	305.1

143,300 lb 231,500 lb 319,700 lb 408,000 lb 496,000 lb

* Main boom angle 87°

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



* Attachable

496,000 lb 36.1 – 62.3 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5

118.1 ft + 78.7 ft						
ft	SWSL_1					SFSL_1
	0 lb	0 lb – 716.6 klb				
	87°/85°	87°/85°	75°	65°	55°	15°
1,000 lb						
49.2	-	-	-	-	-	765.0
52.5	-	-	-	-	-	765.0
59.1	-	-	-	-	-	765.0
65.6	-	-	-	-	-	765.0
72.2	-	-	-	-	-	765.0
78.7	-	-	765.0	-	-	765.0
85.3	-	-	731.9	-	-	734.1
91.9	-	-	679.0	-	-	676.8
98.4	-	-	634.9	-	-	628.3
108.3	-	-	529.1	546.7	-	556.7
111.5	-	-	493.8	529.1	-	532.8
114.8	-	-	451.9	513.1	-	508.9
124.7	-	-	-	465.2	-	451.2
134.5	-	-	-	427.7	-	400.5
137.8	-	-	-	-	381.4	383.6
150.9	-	-	-	-	343.9	327.8
164.0	-	-	-	-	-	276.3
177.2	-	-	-	-	-	229.3
187.0	-	-	-	-	-	197.3

118.1 ft + 118.1 ft						
ft	1,000 lb					
	87°/85°	87°/85°	75°	65°	55°	15°
62.3	-	-	-	-	-	676.8
65.6	-	-	-	-	-	676.8
72.2	-	-	-	-	-	676.8
78.7	-	-	-	-	-	674.6
85.3	-	-	-	-	-	672.4
91.9	-	-	-	-	-	670.2
95.1	-	-	652.6	-	-	650.4
98.4	-	-	630.5	-	-	630.5
111.5	-	-	535.7	-	-	551.2
124.7	-	-	445.3	-	-	476.9
131.2	-	-	405.7	434.3	-	442.4
137.8	-	-	366.0	410.1	-	407.9
150.9	-	-	295.4	368.2	-	357.9
164.0	-	-	-	335.1	306.4	312.3
170.6	-	-	-	310.9	291.7	291.7
177.2	-	-	-	-	280.0	271.2
190.3	-	-	-	-	255.7	235.9
203.4	-	-	-	-	-	202.5
216.5	-	-	-	-	-	170.9
223.1	-	-	-	-	-	155.4

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

* Main boom angle 87°

Main boom angle 87°, 85°, 75°, 65° and 55°, 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
	0 lb	0 lb – 716.6 klb				
	87°/85°	87°/85°	75°	65°	55°	15°
75.5	-	-	-	-	-	471.8
78.7	-	-	-	-	-	471.8
85.3	-	-	-	-	-	471.8
91.9	-	-	-	-	-	471.8
98.4	-	-	-	-	-	471.8
108.3	-	-	451.9	-	-	467.4
111.5	-	-	451.9	-	-	465.9
124.7	-	-	449.7	-	-	448.3
137.8	-	-	383.6	-	-	418.9
150.9	-	-	330.7	-	-	374.8
154.2	-	-	320.2	357.1	-	363.8
164.0	-	-	288.8	332.9	-	332.2
177.2	-	-	246.9	302.0	-	291.0
190.3	-	-	208.3	275.6	-	258.7
193.6	-	-	-	266.2	246.9	250.6
203.4	-	-	-	238.1	231.5	228.9
210.0	-	-	-	219.4	223.8	215.3
216.5	-	-	-	-	216.1	201.7
226.4	-	-	-	-	203.9	183.0
229.7	-	-	-	-	-	176.7
242.8	-	-	-	-	-	152.9
255.9	-	-	-	-	-	130.1
262.5	-	-	-	-	-	117.9

118.1 ft + 196.9 ft						
ft	1,000 lb					
	87°/85°	87°/85°	75°	65°	55°	15°
88.6	-	-	-	-	-	335.1
91.9	-	-	-	-	-	335.1
98.4	-	-	-	-	-	335.1
111.5	-	-	-	-	-	332.2
124.7	-	-	-	-	-	327.8
128.0	-	-	313.1	-	-	326.3
137.8	-	-	313.1	-	-	321.9
150.9	-	-	313.1	-	-	313.1
164.0	-	-	288.8	-	-	301.3
173.9	-	-	264.0	264.6	-	290.3
177.2	-	-	255.7	264.6	-	286.6
190.3	-	-	224.9	264.6	-	264.6
203.4	-	-	198.4	242.5	-	241.0
216.5	-	-	174.2	218.3	-	216.1
219.8	-	-	167.6	212.5	203.9	210.4
226.4	-	-	154.3	200.9	196.6	199.0
229.7	-	-	-	195.1	192.9	193.3
242.8	-	-	-	170.9	179.7	172.0
246.1	-	-	-	164.2	176.9	167.0
255.9	-	-	-	-	168.7	152.1
265.7	-	-	-	-	160.9	138.3
269.0	-	-	-	-	-	133.7
282.2	-	-	-	-	-	115.8
295.3	-	-	-	-	-	98.3
298.6	-	-	-	-	-	93.7

496,000 lb		 36.1 – 62.3 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5		
 118.1 ft +  236.2 ft		 118.1 ft +  315.0 ft										
SWSL_1		SWSL_1										SFSL_1
 0 lb		0 lb – 716.6 klb										SFSL_1
 87°/85°		 87°/85°		75°		65°		55°		 15°		
ft		1,000 lb										ft
105.0	-	-	-	-	-	-	-	-	-	-	235.9	
111.5	-	-	-	-	-	-	-	-	-	-	234.8	
124.7	-	-	-	-	-	-	-	-	-	-	231.5	
137.8	-	-	-	-	-	-	-	-	-	-	227.1	
144.4	-	-	216.1	-	-	-	-	-	-	-	224.5	
150.9	-	-	216.1	-	-	-	-	-	-	-	221.9	
164.0	-	-	216.1	-	-	-	-	-	-	-	216.4	
177.2	-	-	215.0	-	-	-	-	-	-	-	210.5	
190.3	-	-	212.7	-	-	-	-	-	-	-	204.7	
196.9	-	-	209.4	179.7	-	-	-	-	-	-	201.7	
203.4	-	-	206.1	179.7	-	-	-	-	-	-	198.8	
216.5	-	-	185.2	179.7	-	-	-	-	-	-	192.9	
229.7	-	-	165.3	179.7	-	-	-	-	-	-	187.0	
242.8	-	-	147.7	178.6	-	-	-	-	-	-	177.8	
246.1	-	-	143.3	174.7	103.6	-	-	-	-	-	174.7	
255.9	-	-	130.1	163.1	101.4	-	-	-	-	-	165.3	
265.7	-	-	116.8	149.9	101.4	-	-	-	-	-	152.7	
269.0	-	-	-	145.5	101.4	-	-	-	-	-	148.4	
282.2	-	-	-	129.0	101.4	-	-	-	-	-	132.3	
285.4	-	-	-	124.6	101.4	-	-	-	-	-	128.4	
295.3	-	-	-	-	101.4	-	-	-	-	-	116.8	
301.8	-	-	-	-	101.4	-	-	-	-	-	109.9	
308.4	-	-	-	-	-	-	-	-	-	-	102.9	
321.5	-	-	-	-	-	-	-	-	-	-	88.8	
334.6	-	-	-	-	-	-	-	-	-	-	74.3	
337.9	-	-	-	-	-	-	-	-	-	-	70.5	

496,000 lb		 36.1 – 62.3 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5		
 118.1 ft +  236.2 ft		 118.1 ft +  315.0 ft										
SWSL_1		SWSL_1										SFSL_1
 0 lb		0 lb – 716.6 klb										SFSL_1
 87°/85°		 87°/85°		75°		65°		55°		 15°		
ft		1,000 lb										ft
131.2	-	-	-	-	-	-	-	-	-	-	117.9	
137.8	-	-	-	-	-	-	-	-	-	-	116.8	
150.9	-	-	-	-	-	-	-	-	-	-	113.9	
164.0	-	-	-	-	-	-	-	-	-	-	111.3	
177.2	-	-	-	-	-	-	-	-	-	-	109.1	
190.3	-	-	-	-	-	-	-	-	-	-	106.0	
203.4	-	-	-	-	-	-	-	-	-	-	103.0	
216.5	-	-	-	-	-	-	-	-	-	-	99.9	
229.7	-	-	-	-	-	-	-	-	-	-	96.8	
242.8	-	-	-	-	-	-	-	-	-	-	93.8	
255.9	-	-	-	-	-	-	-	-	-	-	90.8	
269.0	-	-	-	-	-	-	-	-	-	-	88.0	
282.2	-	-	-	-	-	-	-	-	-	-	85.4	
295.3	-	-	-	-	-	-	-	-	-	-	82.9	
301.8	-	-	-	-	-	-	-	-	-	-	81.7	
308.4	-	-	-	-	-	-	-	-	-	-	80.4	
321.5	-	-	-	-	-	-	-	-	-	-	78.0	
334.6	-	-	-	-	-	-	-	-	-	-	75.8	
337.9	-	-	-	-	-	-	-	-	-	-	74.8	
347.8	-	-	-	-	-	-	-	-	-	-	73.8	
360.9	-	-	-	-	-	-	-	-	-	-	70.7	
374.0	-	-	-	-	-	-	-	-	-	-	66.6	
380.6	-	-	-	-	-	-	-	-	-	-	61.7	
387.1	-	-	-	-	-	-	-	-	-	-	56.9	
400.3	-	-	-	-	-	-	-	-	-	-	46.8	
413.4	-	-	-	-	-	-	-	-	-	-	36.6	

118.1 ft + 275.6 ft		1,000 lb		ft		1,000 lb	
87°/85°		87°/85°		75°		65°	
118.1	-	-	-	-	-	-	168.7
124.7	-	-	-	-	-	-	167.2
137.8	-	-	-	-	-	-	164.2
150.9	-	-	-	-	-	-	161.3
160.8	-	-	147.7	-	-	-	158.7
164.0	-	-	147.7	-	-	-	157.6
177.2	-	-	147.7	-	-	-	153.2
190.3	-	-	146.6	-	-	-	149.5
203.4	-	-	145.5	-	-	-	145.1
216.5	-	-	143.3	-	-	-	140.0
219.8	-	-	143.0	122.4	-	-	138.9
229.7	-	-	142.2	122.4	-	-	135.6
242.8	-	-	141.1	122.4	-	-	131.5
255.9	-	-	136.7	122.4	-	-	127.9
269.0	-	-	123.5	122.4	-	-	124.2
275.6	-	-	116.8	122.4	103.2	-	122.4
282.2	-	-	110.2	122.4	103.2	-	120.5
295.3	-	-	97.9	122.4	103.2	-	116.8
305.1	-	-	87.5	113.3	103.2	-	112.9
308.4	-	-	-	110.2	103.2	-	111.6
321.5	-	-	-	97.9	103.2	-	101.0
324.8	-	-	-	94.4	103.2	-	98.0
334.6	-	-	-	-	103.2	-	88.8
341.2	-	-	-	-	102.1	-	83.0
347.8	-	-	-	-	-	-	77.2
360.9	-	-	-	-	-	-	65.5
374.0	-	-	-	-	-	-	53.6
377.3	-	-	-	-	-	-	50.3

137.8 ft + 78.7 ft		1,000 lb		ft		1,000 lb	
87°/85°		87°/85°		75°		65°	
36.1	-	765.0*	-	-	-	-	-
39.4	765.0*	765.0*	-	-	-	-	-
45.9	657.0*	765.0	-	-	-	-	-
52.5	557.8*	765.0	-	-	-	-	765.0
59.1	485.0*	765.0	-	-	-	-	765.0
65.6	425.5*	765.0	-	-	-	-	765.0
72.2	379.2*	729.7	-	-	-	-	765.0
78.7	341.7*	641.5	-	-	-	-	765.0
82.0	325.2*	596.4	758.4	-	-	-	747.4
85.3	308.6*	551.2	727.5	-	-	-	729.7
88.6	295.4*	510.4	702.2	-	-	-	701.1
91.9	277.8	469.6	676.8	-	-	-	672.4
95.1	266.8	427.7	653.7	-	-	-	648.2
98.4	-	-	630.5	-	-	-	623.9
111.5	-	-	549.0	-	-	-	546.0
118.1	-	-	469.6	507.1	-	-	507.1
124.7	-	-	-	478.4	-	-	478.4
137.8	-	-	-	427.7	-	-	421.1
141.1	-	-	-	416.7	-	-	407.1
150.9	-	-	-	-	363.8	-	365.2
164.0	-	-	-	-	330.7	-	313.8
177.2	-	-	-	-	-	-	275.6
190.3	-	-	-	-	-	-	237.4
203.4	-	-	-	-	-	-	205.0

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

* Main boom angle 87° · see page 163

 496,000 lb		 36.1 – 62.3 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5	
 137.8 ft +  118.1 ft											
 0 lb  87°/85°  87°/85°  75°  65°  55°  15° SWSL_1 SFSL_1 1,000 lb											
45.9	646.0*	659.2*	-	-	-	-	-	-	-	-	-
52.5	557.8*	652.6*	-	-	-	-	-	-	-	-	-
59.1	482.8*	665.8	-	-	-	-	-	-	-	-	-
65.6	423.3*	659.2	-	-	-	-	-	-	-	-	650.4
72.2	377.0*	648.2	-	-	-	-	-	-	-	-	650.4
78.7	337.3*	634.9	-	-	-	-	-	-	-	-	643.8
85.3	306.4*	599.7	-	-	-	-	-	-	-	-	634.9
91.9	280.0*	533.5	-	-	-	-	-	-	-	-	634.9
98.4	255.7*	478.4	623.9	-	-	-	-	-	-	-	626.1
111.5	220.5*	388.0	546.7	-	-	-	-	-	-	-	549.7
124.7	191.8*	313.1	476.2	-	-	-	-	-	-	-	482.8
128.0	185.2*	294.3	454.7	-	-	-	-	-	-	-	468.5
131.2	175.3	275.6	433.2	-	-	-	-	-	-	-	454.2
137.8	-	-	390.2	-	-	-	-	-	-	-	425.5
141.1	-	-	372.6	412.3	-	-	-	-	-	-	414.5
150.9	-	-	319.7	381.4	-	-	-	-	-	-	381.4
157.5	-	-	282.2	363.8	-	-	-	-	-	-	359.4
164.0	-	-	-	346.1	-	-	-	-	-	-	339.5
177.2	-	-	-	317.5	295.4	-	-	-	-	-	299.8
180.4	-	-	-	297.6	289.9	-	-	-	-	-	290.6
190.3	-	-	-	-	273.4	263.8	-	-	-	-	263.8
200.1	-	-	-	-	255.7	243.8	-	-	-	-	243.8
203.4	-	-	-	-	-	236.3	-	-	-	-	236.3
216.5	-	-	-	-	-	206.1	-	-	-	-	206.1
229.7	-	-	-	-	-	181.5	-	-	-	-	181.5
239.5	-	-	-	-	-	163.1	-	-	-	-	163.1

 137.8 ft +  196.9 ft											
 0 lb  87°/85°  87°/85°  75°  65°  55°  15° SWSL_1 SFSL_1 1,000 lb											
65.6	324.1*	328.5*	-	-	-	-	-	-	-	-	-
72.2	324.1*	326.3*	-	-	-	-	-	-	-	-	-
78.7	324.1	328.5	-	-	-	-	-	-	-	-	-
85.3	308.6*	326.3	-	-	-	-	-	-	-	-	-
91.9	280.0*	326.3	-	-	-	-	-	-	-	-	324.1
98.4	255.7*	324.1	-	-	-	-	-	-	-	-	324.1
111.5	218.3*	319.7	-	-	-	-	-	-	-	-	322.6
124.7	187.4*	315.3	-	-	-	-	-	-	-	-	318.9
131.2	175.8*	312.0	297.6	-	-	-	-	-	-	-	316.0
137.8	164.2*	308.6	297.6	-	-	-	-	-	-	-	313.1
150.9	144.4*	266.8	297.6	-	-	-	-	-	-	-	303.5
164.0	129.0*	231.5	297.6	-	-	-	-	-	-	-	293.9
177.2	114.6*	202.8	271.2	-	-	-	-	-	-	-	282.2
183.7	109.2*	189.6	253.5	249.1	-	-	-	-	-	-	276.3
190.3	103.8*	176.4	235.9	249.1	-	-	-	-	-	-	270.4
203.4	93.9*	149.9	208.3	249.1	-	-	-	-	-	-	255.7
210.0	86.9	135.6	195.1	243.6	-	-	-	-	-	-	246.9
216.5	-	-	181.9	238.1	-	-	-	-	-	-	238.1
229.7	-	-	156.5	210.5	-	-	-	-	-	-	216.1
232.9	-	-	149.9	204.2	206.1	-	-	-	-	-	210.5
242.8	-	-	-	185.2	195.1	-	-	-	-	-	194.4
255.9	-	-	-	159.8	181.9	-	-	-	-	-	178.6
269.0	-	-	-	-	170.9	-	-	-	-	-	159.5
275.6	-	-	-	-	166.4	-	-	-	-	-	149.9
282.2	-	-	-	-	-	-	-	-	-	-	141.1
295.3	-	-	-	-	-	-	-	-	-	-	124.6
308.4	-	-	-	-	-	-	-	-	-	-	110.5
318.2	-	-	-	-	-	-	-	-	-	-	98.8

137.8 ft + 157.5 ft										
ft	1,000 lb									
55.8	454.2*	460.8*	-	-	-	-	-	-	-	-
59.1	454.2*	458.6*	-	-	-	-	-	-	-	-
65.6	425.5*	463.0	-	-	-	-	-	-	-	-
72.2	379.2*	463.0	-	-	-	-	-	-	-	-
78.7	339.5*	460.8	-	-	-	-	-	-	-	458.6
85.3	306.4*	458.6	-	-	-	-	-	-	-	458.6
91.9	280.0*	454.2	-	-	-	-	-	-	-	458.6
98.4	255.7*	449.7	-	-	-	-	-	-	-	456.4
111.5	218.3*	416.7	-	-	-	-	-	-	-	451.2
114.8	211.1*	400.1	427.7	-	-	-	-	-	-	450.5
124.7	189.6*	350.5	427.7	-	-	-	-	-	-	441.7
137.8	165.3*	297.6	414.5	-	-	-	-	-	-	429.9
150.9	146.6*	253.5	352.7	-	-	-	-	-	-	387.3
164.0	131.2*	213.8	302.0	343.9	-	-	-	-	-	348.3
167.3	127.9*	203.4	291.6	336.8	-	-	-	-	-	339.5
170.6	121.3	192.9	281.1	329.6	-	-	-	-	-	330.7
177.2	-	-	260.1	315.3	-	-	-	-	-	313.1
190.3	-	-	220.5	291.0	-	-	-	-	-	282.2
193.6	-	-	210.5	283.3	-	-	-	-	-	274.5
203.4	-	-	-	260.1	-	-	-	-	-	252.8
206.7	-	-	-	250.2	242.5	-	-	-	-	245.8
216.5	-	-	-	220.5	229.3	224.9	-	-	-	224.9
229.7	-	-	-	-	213.8	202.8	-	-	-	202.8
239.5	-	-	-	-	202.8	187.2	-	-	-	187.2
242.8	-	-	-	-	-	181.5	-	-	-	181.5
255.9	-	-	-	-	-	159.8	-	-	-	159.8
269.0	-	-	-	-	-	141.5	-	-	-	141.5
278.9	-	-	-	-	-	126.8	-	-	-	126.8

137.8 ft + 196.9 ft										
ft	1,000 lb									
65.6	324.1*	328.5*	-	-	-	-	-	-	-	-
72.2	324.1*	326.3*	-	-	-	-	-	-	-	-
78.7	324.1	328.5	-	-	-	-	-	-	-	-
85.3	308.6*	326.3	-	-	-	-	-	-	-	-
91.9	280.0*	326.3	-	-	-	-	-	-	-	324.1
98.4	255.7*	324.1	-	-	-	-	-	-	-	324.1
111.5	218.3*	319.7	-	-	-	-	-	-	-	322.6
124.7	187.4*	315.3	-	-	-	-	-	-	-	318.9
131.2	175.8*	312.0	297.6	-	-	-	-	-	-	316.0
137.8	164.2*	308.6	297.6	-	-	-	-	-	-	313.1
150.9	144.4*	266.8	297.6	-	-	-	-	-	-	303.5
164.0	129.0*	231.5	297.6	-	-	-	-	-	-	293.9
177.2	114.6*	202.8	271.2	-	-	-	-	-	-	282.2
183.7	109.2*	189.6	253.5	249.1	-	-	-	-	-	276.3
190.3	103.8*	176.4	235.9	249.1	-	-	-	-	-	270.4
203.4	93.9*	149.9	208.3	249.1	-	-	-	-	-	255.7
210.0	86.9	135.6	195.1	243.6	-	-	-	-	-	246.9
216.5	-	-	181.9	238.1	-	-	-	-	-	238.1
229.7	-	-	156.5	210.5	-	-	-	-	-	216.1
232.9	-	-	149.9	204.2	206.1	-	-	-	-	210.5
242.8	-	-	-	185.2	195.1	194.4	-	-	-	194.4
255.9	-	-	-	159.8	181.9	178.6	-	-	-	178.6
269.0	-	-	-	-	170.9	159.5	-	-	-	159.5
275.6	-	-	-	-	166.4	149.9	-	-	-	149.9
282.2	-	-	-	-	-	141.1	-	-	-	141.1
295.3	-	-	-	-	-	124.6	-	-	-	124.6
308.4	-	-	-	-	-	110.5	-	-	-	110.5
318.2	-	-	-	-	-	98.8	-	-	-	98.8

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

* Main boom angle 87°

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

 496,000 lb		 36.1 – 62.3 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5	
 137.8 ft +  236.2 ft											
		SWSL_1					SFSL_1				
		0 lb		0 lb – 716.6 klb							
				87°/85°	87°/85°	75°	65°	55°		15°	
ft		1,000 lb									
72.2	231.5*	235.9*	-	-	-	-	-	-	-	-	-
78.7	231.5*	233.7*	-	-	-	-	-	-	-	-	-
85.3	229.3	233.7	-	-	-	-	-	-	-	-	-
91.9	229.3	233.7	-	-	-	-	-	-	-	-	-
98.4	229.3	231.5	-	-	-	-	-	-	-	-	-
105.0	216.6*	230.4	-	-	-	-	-	-	229.3	-	-
111.5	208.3*	229.3	-	-	-	-	-	-	228.2	-	-
124.7	179.7*	224.9	-	-	-	-	-	-	225.6	-	-
137.8	156.5*	220.5	-	-	-	-	-	-	222.7	-	-
147.6	142.5*	218.0	207.2	-	-	-	-	-	218.8	-	-
150.9	137.8*	217.2	207.2	-	-	-	-	-	217.5	-	-
164.0	122.4*	212.7	207.2	-	-	-	-	-	212.0	-	-
177.2	109.8*	208.3	207.2	-	-	-	-	-	206.1	-	-
190.3	98.3*	187.4	207.2	-	-	-	-	-	200.3	-	-
203.4	88.6*	166.4	206.1	-	-	-	-	-	194.7	-	-
206.7	86.5*	161.5	202.5	170.9	-	-	-	-	193.5	-	-
216.5	80.2*	146.6	191.8	170.9	-	-	-	-	189.6	-	-
229.7	72.8*	129.0	170.9	170.9	-	-	-	-	183.7	-	-
242.8	66.1*	110.2	152.1	170.9	-	-	-	-	177.1	-	-
246.1	62.2	105.8	147.7	170.9	-	-	-	-	175.3	-	-
255.9	-	-	134.5	170.9	-	-	-	-	169.8	-	-
259.2	-	-	130.1	167.0	143.3	-	-	-	167.4	-	-
269.0	-	-	116.8	155.4	143.3	160.2	-	-	-	-	-
272.3	-	-	111.3	151.0	143.3	157.8	-	-	-	-	-
282.2	-	-	-	137.8	143.3	147.7	-	-	-	-	-
292.0	-	-	-	124.6	142.5	139.3	-	-	-	-	-
295.3	-	-	-	-	142.2	136.7	-	-	-	-	-
308.4	-	-	-	-	135.6	122.9	-	-	-	-	-
315.0	-	-	-	-	129.0	115.7	-	-	-	-	-
321.5	-	-	-	-	-	108.8	-	-	-	-	-
334.6	-	-	-	-	-	97.0	-	-	-	-	-
347.8	-	-	-	-	-	84.8	-	-	-	-	-
354.3	-	-	-	-	-	78.7	-	-	-	-	-

 137.8 ft +  275.6 ft											
		SWSL_1					SFSL_1				
		0 lb		0 lb – 716.6 klb							
				87°/85°	87°/85°	75°	65°	55°		15°	
ft		1,000 lb									
82.0	167.6*	170.9*	-	-	-	-	-	-	-	-	-
85.3	167.6*	170.9*	-	-	-	-	-	-	-	-	-
91.9	166.4*	168.7*	-	-	-	-	-	-	-	-	-
98.4	165.3	168.7	-	-	-	-	-	-	-	-	-
111.5	163.1	165.3	-	-	-	-	-	-	-	-	-
118.1	162.6	164.2	-	-	-	-	-	-	-	164.2	-
124.7	162.0	163.1	-	-	-	-	-	-	-	163.1	-
137.8	153.2*	160.9	-	-	-	-	-	-	-	160.9	-
150.9	134.5*	157.6	-	-	-	-	-	-	-	157.3	-
164.0	119.0*	155.4	142.2	-	-	-	-	-	-	153.6	-
177.2	106.0*	152.1	142.2	-	-	-	-	-	-	149.9	-
190.3	94.6*	149.9	142.2	-	-	-	-	-	-	146.2	-
203.4	84.7*	146.6	141.1	-	-	-	-	-	-	142.2	-
216.5	76.1*	144.4	140.0	-	-	-	-	-	-	137.8	-
229.7	68.6*	137.8	138.9	115.7	-	-	-	-	-	134.1	-
242.8	61.7*	122.4	137.8	115.7	-	-	-	-	-	130.4	-
255.9	55.8*	109.3	137.8	115.7	-	-	-	-	-	126.8	-
269.0	50.5*	96.1	127.9	115.7	-	-	-	-	-	122.0	-
278.9	46.7*	85.9	117.9	115.7	-	-	-	-	-	119.4	-
282.2	43.4	82.5	114.6	115.7	-	-	-	-	-	118.7	-
285.4	42.3	78.7	111.4	115.7	97.2	-	-	-	-	117.9	-
295.3	-	-	101.6	115.7	97.2	115.7	-	-	-	115.7	-
308.4	-	-	88.2	115.7	97.2	111.9	-	-	-	111.9	-
321.5	-	-	-	105.2	97.2	109.1	-	-	-	109.1	-
331.4	-	-	-	-	97.2	107.3	-	-	-	107.3	-
334.6	-	-	-	-	-	106.7	-	-	-	106.7	-
347.8	-	-	-	-	-	97.2	-	-	-	95.2	-
351.1	-	-	-	-	-	97.2	-	-	-	92.4	-
360.9	-	-	-	-	-	-	-	-	-	83.8	-
374.0	-	-	-	-	-	-	-	-	-	74.3	-
387.1	-	-	-	-	-	-	-	-	-	64.0	-
393.7	-	-	-	-	-	-	-	-	-	58.9	-

 0 lb

143,300 lb

275,600 lb

363,800 lb

452,000 lb

540,200 lb

628,400 lb

716,600 lb

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5

137.8 ft + 315.0 ft						
ft	SWSL_1					SFSL_1
	0 lb	0 lb – 716.6 klb				
	87°/85°	87°/85°	75°	65°	55°	15°
	1,000 lb					
91.9	119.0*	122.4*	-	-	-	-
98.4	119.0*	121.3*	-	-	-	-
111.5	116.8*	119.0	-	-	-	-
124.7	114.6	115.7	-	-	-	-
131.2	113.5	114.6	-	-	-	114.6
137.8	112.4	113.5	-	-	-	113.5
150.9	110.2	111.3	-	-	-	111.3
164.0	108.7	110.0	-	-	-	109.1
177.2	101.9*	107.8	-	-	-	106.7
180.4	99.0*	107.2	99.9	-	-	106.0
190.3	90.4*	105.4	99.9	-	-	103.8
203.4	80.5*	103.2	99.4	-	-	100.8
216.5	71.9*	101.2	98.5	-	-	97.7
229.7	64.2*	99.2	97.7	-	-	94.7
242.8	57.3*	97.2	96.8	-	-	91.9
252.6	52.9*	95.7	96.0	79.1	-	89.8
255.9	51.4*	95.2	95.7	79.1	-	89.1
269.0	45.9*	93.7	94.6	79.1	-	86.4
282.2	41.0*	91.3	93.7	79.1	-	83.7
295.3	36.4*	80.9	93.0	79.1	-	80.9
308.4	32.4*	70.8	92.4	79.1	-	78.3
315.0	30.5*	65.4	89.1	79.1	64.4	77.2
318.2	29.5*	62.7	87.4	79.1	64.4	76.6
321.5	26.7	60.0	85.8	79.1	64.4	76.1
334.6	-	-	75.8	79.1	64.4	74.1
347.8	-	-	65.3	79.1	64.4	72.0
360.9	-	-	-	79.1	64.4	70.0
370.7	-	-	-	71.4	64.4	68.6
374.0	-	-	-	-	64.4	68.1
387.1	-	-	-	-	64.4	65.6
390.4	-	-	-	-	64.4	64.4
400.3	-	-	-	-	-	60.0
413.4	-	-	-	-	-	54.2
426.5	-	-	-	-	-	46.6
429.8	-	-	-	-	-	44.1

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

157.5 ft + 78.7 ft						
ft	SWSL_1					SFSL_1
	0 lb	0 lb – 716.6 klb				SFSL_3
	87°/85°	87°/85°	75°	65°	55°	15°
	1,000 lb					
39.4	765.0*	765.0*	-	-	-	-
45.9	654.8*	765.0	-	-	-	-
52.5	555.6*	765.0	-	-	-	765.0
59.1	482.8*	765.0	-	-	-	765.0
65.6	423.3*	765.0	-	-	-	765.0
72.2	377.0*	740.8	-	-	-	765.0
78.7	339.5*	663.6	-	-	-	765.0
85.3	308.6*	577.6	-	-	-	765.0
88.6	295.4*	535.7	692.3	-	-	735.2
91.9	282.2*	493.8	668.0	-	-	705.5
95.1	262.4	454.2	644.9	-	-	680.1
98.4	-	-	621.7	-	-	654.8
111.5	-	-	546.7	-	-	573.9
124.7	-	-	451.9	-	-	503.4
128.0	-	-	-	456.4	-	488.3
137.8	-	-	-	421.1	-	443.1
150.9	-	-	-	379.2	-	399.0
160.8	-	-	-	-	343.9	366.7
164.0	-	-	-	-	337.3	356.4
173.9	-	-	-	-	315.3	325.5
177.2	-	-	-	-	-	315.3
190.3	-	-	-	-	-	274.1
203.4	-	-	-	-	-	242.1
216.5	-	-	-	-	-	206.1
219.8	-	-	-	-	-	200.6

157.5 ft + 118.1 ft						
ft	1,000 lb					
	87°/85°	87°/85°	75°	65°	55°	15°
45.9	593.0*	599.7*	-	-	-	-
52.5	560.0*	593.0*	-	-	-	-
59.1	482.8*	610.7	-	-	-	-
65.6	423.3*	604.1	-	-	-	586.4
72.2	377.0*	595.2	-	-	-	612.9
78.7	339.5*	586.4	-	-	-	608.5
85.3	306.4*	566.6	-	-	-	599.7
91.9	280.0*	549.0	-	-	-	595.2
98.4	255.7*	496.0	-	-	-	593.0
105.0	238.1*	448.6	575.4	-	-	573.2
111.5	220.5*	401.2	542.3	-	-	555.6
124.7	191.8*	326.3	482.8	-	-	508.5
128.0	185.2*	307.9	468.5	-	-	493.8
134.5	168.7	271.2	439.8	-	-	464.4
137.8	-	-	425.5	-	-	449.7
150.9	-	-	348.3	377.0	-	402.7
160.8	-	-	295.4	352.2	-	370.7
164.0	-	-	-	343.9	-	362.3
177.2	-	-	-	315.3	-	328.5
187.0	-	-	-	295.4	-	307.5
190.3	-	-	-	-	280.0	300.6
203.4	-	-	-	-	260.1	270.4
213.3	-	-	-	-	246.9	246.2
216.5	-	-	-	-	-	238.1
229.7	-	-	-	-	-	211.6
242.8	-	-	-	-	-	187.0
255.9	-	-	-	-	-	160.9
259.2	-	-	-	-	-	157.6

496,000 lb													36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5					
157.5 ft + 157.5 ft																										
SWSL_1													SFSL_1		SFSL_3											
0 lb													0 lb – 716.6 klb													
87°/85° 87°/85° 75° 65° 55° 15° 15°																										
ft													1,000 lb													
55.8	421.1*	425.5*	-	-	-	-	-	-	-	-	-	-	65.6	304.2*	308.6*	-	-	-	-	-	-	-				
59.1	421.1*	425.5*	-	-	-	-	-	-	-	-	-	-	72.2	304.2*	306.4*	-	-	-	-	-	-	-				
65.6	416.7*	432.1	-	-	-	-	-	-	-	-	-	-	78.7	304.2	310.9	-	-	-	-	-	-	-				
72.2	377.0*	432.1	-	-	-	-	-	-	-	-	-	-	85.3	295.4*	308.6	-	-	-	-	-	-	-				
78.7	337.3*	429.9	-	-	-	-	421.1	-	-	-	-	-	91.9	269.0*	308.6	-	-	-	-	-	-	-				
85.3	304.2*	425.5	-	-	-	-	421.1	443.1	-	-	-	-	95.1	257.9*	307.5	-	-	-	304.2	-	-	-				
91.9	277.8*	421.1	-	-	-	-	421.1	443.1	-	-	-	-	98.4	246.9*	306.4	-	-	-	304.2	319.7	-	-				
98.4	253.5*	416.7	-	-	-	-	421.1	443.1	-	-	-	-	111.5	210.5*	302.0	-	-	-	304.2	319.7	-	-				
111.5	217.2*	405.7	-	-	-	-	416.7	440.9	-	-	-	-	124.7	181.9*	297.6	-	-	-	302.0	316.0	-	-				
121.4	195.7*	370.9	396.8	-	-	-	411.9	434.7	-	-	-	-	137.8	159.8*	291.0	280.0	-	-	297.6	313.1	-	-				
124.7	188.5*	359.4	396.8	-	-	-	410.8	433.6	-	-	-	-	150.9	141.1*	271.2	277.8	-	-	290.3	307.2	-	-				
137.8	164.2*	306.4	396.8	-	-	-	407.9	432.1	-	-	-	-	164.0	125.7*	235.9	277.8	-	-	281.5	296.2	-	-				
150.9	145.5*	260.1	374.8	-	-	-	377.0	399.8	-	-	-	-	177.2	112.4*	206.1	277.8	-	-	273.4	286.6	-	-				
164.0	130.1*	220.5	321.9	-	-	-	344.7	366.0	-	-	-	-	190.3	101.6*	179.7	249.1	-	-	263.1	274.8	-	-				
167.3	126.8*	209.8	310.3	-	-	-	336.2	357.1	-	-	-	-	193.6	99.3*	173.3	241.7	233.7	-	260.5	271.9	-	-				
170.6	120.2	199.2	298.7	324.1	-	-	327.8	348.3	-	-	-	-	203.4	92.2*	154.3	219.4	233.7	-	251.3	263.8	-	-				
173.9	116.8	188.5	287.2	317.5	-	-	319.3	339.5	-	-	-	-	210.0	84.7	140.0	205.6	231.5	-	244.7	258.7	-	-				
177.2	-	-	275.6	310.9	-	-	310.9	330.7	-	-	-	-	216.5	-	-	191.8	231.5	-	238.1	253.5	-	-				
190.3	-	-	235.9	286.6	-	-	284.4	302.8	-	-	-	-	229.7	-	-	167.6	224.9	-	221.2	235.9	-	-				
200.1	-	-	207.2	270.1	-	-	265.7	282.9	-	-	-	-	239.5	-	-	146.6	206.7	-	207.8	222.5	-	-				
203.4	-	-	-	264.6	-	-	260.1	277.0	-	-	-	-	242.8	-	-	-	200.6	198.4	202.8	217.9	-	-				
216.5	-	-	-	246.9	235.9	-	238.1	253.5	-	-	-	-	255.9	-	-	-	176.4	185.2	183.0	199.5	-	-				
226.4	-	-	-	218.3	223.5	-	219.9	235.9	-	-	-	-	262.5	-	-	-	163.1	179.7	173.8	189.6	-	-				
229.7	-	-	-	-	219.4	-	213.8	230.0	-	-	-	-	269.0	-	-	-	-	174.2	164.6	179.7	-	-				
242.8	-	-	-	-	205.0	-	190.3	206.5	-	-	-	-	282.2	-	-	-	-	164.2	149.4	160.5	-	-				
249.3	-	-	-	-	198.4	-	180.4	194.7	-	-	-	-	288.7	-	-	-	-	158.7	143.3	152.1	-	-				
255.9	-	-	-	-	-	-	173.1	184.1	-	-	-	-	295.3	-	-	-	-	-	135.6	145.5	-	-				
269.0	-	-	-	-	-	-	153.2	165.7	-	-	-	-	308.4	-	-	-	-	-	119.4	130.1	-	-				
282.2	-	-	-	-	-	-	133.7	145.5	-	-	-	-	321.5	-	-	-	-	-	104.4	113.9	-	-				
295.3	-	-	-	-	-	-	119.0	127.9	-	-	-	-	334.6	-	-	-	-	-	92.8	101.4	-	-				

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
157.5 ft + 236.2 ft									
SWSL_1 SFSL_1 SFSL_3									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
75.5	220.5*	222.7*	-	-	-	-	-	-	-
78.7	220.5*	222.7*	-	-	-	-	-	-	-
85.3	219.4*	222.7*	-	-	-	-	-	-	-
91.9	220.5	222.7	-	-	-	-	-	-	-
98.4	220.5	220.5	-	-	-	-	-	-	-
108.3	209.2*	219.6	-	-	-	219.4	227.1	-	-
111.5	207.2*	219.4	-	-	-	219.0	227.1	-	-
124.7	178.6*	217.2	-	-	-	216.8	224.9	-	-
137.8	155.4*	213.8	-	-	-	213.8	220.5	-	-
150.9	136.7*	209.4	-	-	-	210.2	216.8	-	-
154.2	132.8*	208.6	197.3	-	-	209.3	215.9	-	-
164.0	121.3*	206.1	197.3	-	-	205.8	212.4	-	-
177.2	108.9*	201.7	197.3	-	-	200.6	207.2	-	-
190.3	97.7*	190.7	197.3	-	-	194.7	201.4	-	-
203.4	88.0*	169.8	197.3	-	-	189.6	195.8	-	-
213.3	81.7*	154.9	197.3	160.9	-	186.3	192.0	-	-
216.5	79.6*	149.9	197.3	160.9	-	185.2	190.7	-	-
229.7	72.1*	132.3	179.7	160.9	-	180.0	185.6	-	-
242.8	65.5*	114.6	159.8	160.9	-	174.5	179.7	-	-
249.3	59.7	104.7	151.0	160.9	-	171.6	176.4	-	-
255.9	-	-	142.2	160.9	-	168.7	173.1	-	-
269.0	-	-	124.6	160.9	134.5	160.6	165.7	-	-
275.6	-	-	115.7	154.9	134.5	156.5	162.0	-	-
282.2	-	-	-	148.8	134.5	152.1	158.5	-	-
295.3	-	-	-	132.3	134.5	142.2	151.0	-	-
301.8	-	-	-	123.5	134.5	134.8	144.8	-	-
308.4	-	-	-	-	133.4	127.5	138.5	-	-
321.5	-	-	-	-	127.9	116.8	126.0	-	-
324.8	-	-	-	-	125.7	114.0	123.5	-	-
334.6	-	-	-	-	-	105.6	115.7	-	-
347.8	-	-	-	-	-	92.7	102.4	-	-
360.9	-	-	-	-	-	80.4	88.7	-	-
370.7	-	-	-	-	-	73.6	81.1	-	-

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

SWSL_1:	36.1 ft – 62.3 ft
SWSL_3 / SFSL_3:	36.1 ft – 68.9 ft

* Main boom angle 87°

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

157.5 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
82.0	159.8*	164.2*	-	-	-	-	-	-	-
85.3	159.8*	163.1*	-	-	-	-	-	-	-
91.9	159.8*	162.0*	-	-	-	-	-	-	-
98.4	158.7*	160.9*	-	-	-	-	-	-	-
111.5	156.5*	158.7*	-	-	-	-	-	-	-
121.4	154.9*	156.3*	-	-	-	154.3	-	-	-
124.7	154.3*	155.4*	-	-	-	153.9	-	-	-
128.0	152.9*	154.6*	-	-	-	153.4	160.9	-	-
137.8	151.0*	152.1	-	-	-	152.1	158.7	-	-
150.9	133.4*	149.9	-	-	-	149.2	155.8	-	-
164.0	117.9*	146.6	-	-	-	145.9	152.5	-	-
170.6	111.7*	145.5	136.7	-	-	144.0	150.6	-	-
177.2	105.4*	144.4	136.7	-	-	142.2	148.8	-	-
190.3	93.9*	142.2	136.7	-	-	138.5	145.1	-	-
203.4	84.2*	138.9	136.7	-	-	134.8	141.5	-	-
216.5	75.6*	136.7	135.6	-	-	131.2	137.8	-	-
229.7	67.9*	134.5	135.6	-	-	127.5	133.4	-	-
236.2	64.6*	130.1	135.0	109.6	-	125.7	131.2	-	-
242.8	61.3*	125.7	134.5	109.6	-	124.2	129.0	-	-
255.9	55.3*	111.3	134.5	109.6	-	121.3	124.6	-	-
269.0	49.8*	99.0	133.4	109.6	-	117.6	120.2	-	-
282.2	45.0*	85.5	120.2	109.6	-	114.0	116.3	-	-
285.4	41.2	81.8	117.0	109.6	-	113.1	115.5	-	-
295.3	-	-	107.6	109.6	-	110.2	112.4	-	-
298.6	-	-	104.3	109.6	91.3	109.6	111.6	-	-
308.4	-	-	94.6	109.6	91.3	107.9	108.9	-	-
315.0	-	-	87.3	109.6	91.3	106.7	107.1	-	-
321.5	-	-	-	109.6	91.3	105.3	105.4	-	-
334.6	-	-	-	101.2	91.3	102.5	101.9	-	-
341.2	-	-	-	94.4	91.3	99.6	99.4	-	-
347.8	-	-	-	-	91.3	96.6	97.3	-	-
360.9	-	-	-	-	91.3	90.2	92.4	-	-
364.2	-	-	-	-	91.3	88.2	90.9	-	-
374.0	-	-	-	-	-	81.4	86.6	-	-
387.1	-	-	-	-	-	70.5	77.5	-	-
400.3	-	-	-	-	-	59.5	67.9	-	-
410.1	-	-	-	-	-	53.8	62.2	-	-

496,000 lb										36.1 – 68.9 ft		39.4 ft x 39.4 ft		32.2 ft/s		360°		ASME B30.5											
157.5 ft + 315.0 ft																													
SWSL_1										SFSL_1		SFSL_3																	
0 lb										0 lb – 716.6 klb																			
87°/85° 87°/85° 75° 65° 55° 15° 15°																													
ft										1,000 lb																			
91.9	114.6*	116.8*	-	-	-	-	-	-	-	39.4	-	745.2*	-	-	-	-	-	-	-										
98.4	113.5*	115.7*	-	-	-	-	-	-	-	42.7	703.3*	743.0*	-	-	-	-	-	-	-										
111.5	112.4	113.5	-	-	-	-	-	-	-	45.9	657.0*	736.3*	-	-	-	-	-	-	-										
124.7	110.2	112.4	-	-	-	-	-	-	-	52.5	557.8*	758.4	-	-	-	-	-	-	-										
134.5	109.7	110.8	-	-	-	-	-	110.2	113.5	55.8	518.1*	754.0	-	-	-	740.8	-	-	-										
137.8	109.6	110.2	-	-	-	-	-	110.2	112.4	59.1	482.8*	747.4	-	-	-	740.8	762.8	-	-										
150.9	107.8	108.7	-	-	-	-	-	108.5	110.8	65.6	423.3*	725.3	-	-	-	734.1	754.0	-	-										
164.0	105.4	106.7	-	-	-	-	-	106.3	108.6	72.2	377.0*	694.5	-	-	-	727.5	747.4	-	-										
177.2	101.2*	104.7	-	-	-	-	-	103.6	106.3	78.7	339.5*	663.6	-	-	-	723.1	738.5	-	-										
187.0	92.6*	103.2	95.5	-	-	-	-	101.6	104.5	85.3	308.6*	604.1	-	-	-	718.7	736.3	-	-										
190.3	89.7*	102.7	95.5	-	-	-	-	101.0	103.9	91.9	280.0*	520.3	-	-	-	663.6	703.3	-	-										
203.4	79.8*	100.8	95.5	-	-	-	-	98.2	101.4	95.1	262.4	478.4	637.1	-	-	639.3	676.8	-	-										
216.5	71.2*	98.8	95.2	-	-	-	-	95.2	98.8	98.4	251.3	436.5	615.1	-	-	615.1	650.4	-	-										
229.7	63.7*	96.8	94.6	-	-	-	-	92.4	96.0	111.5	-	-	542.3	-	-	537.2	569.5	-	-										
242.8	56.9*	95.0	93.9	-	-	-	-	89.7	92.8	124.7	-	-	482.8	-	-	470.3	499.7	-	-										
255.9	50.7*	93.3	93.0	-	-	-	-	87.1	89.3	128.0	-	-	469.6	-	-	456.4	485.0	-	-										
259.2	49.4*	92.8	92.9	74.5	-	-	-	86.5	88.4	137.8	-	-	-	416.7	-	414.5	440.9	-	-										
269.0	45.4*	91.5	92.4	74.5	-	-	-	84.6	85.9	150.9	-	-	-	374.8	-	371.8	396.8	-	-										
282.2	40.3*	90.2	91.5	74.5	-	-	-	82.0	82.6	157.5	-	-	-	357.1	-	350.5	374.8	-	-										
295.3	35.9*	83.1	91.1	74.5	-	-	-	79.4	79.4	164.0	-	-	-	-	-	334.4	356.4	-	-										
308.4	32.0*	73.0	90.6	74.5	-	-	-	76.9	76.4	173.9	-	-	-	-	308.6	310.1	328.9	-	-										
318.2	29.1*	65.2	90.3	74.5	-	-	-	75.0	74.3	177.2	-	-	-	-	302.0	302.0	319.7	-	-										
321.5	25.8	62.6	90.2	74.5	-	-	-	74.4	73.7	183.7	-	-	-	-	291.0	285.9	305.7	-	-										
324.8	24.9	59.5	87.7	74.5	60.0	-	-	73.9	73.1	190.3	-	-	-	-	-	269.7	291.7	-	-										
334.6	-	-	80.5	74.5	60.0	-	-	72.3	71.2	203.4	-	-	-	-	-	237.7	260.1	-	-										
347.8	-	-	70.3	74.5	60.0	-	-	70.3	68.7	216.5	-	-	-	-	-	210.5	224.9	-	-										
351.1	-	-	67.7	74.5	60.0	-	-	69.7	68.1	229.7	-	-	-	-	-	182.6	197.7	-	-										
360.9	-	-	-	74.5	60.0	-	-	68.3	66.1	236.2	-	-	-	-	-	168.7	184.1	-	-										
374.0	-	-	-	74.5	60.0	-	-	66.4	63.5																				
377.3	-	-	-	73.6	60.0	-	-	66.0	62.7																				
387.1	-	-	-	-	60.0	-	-	64.7	61.1																				
400.3	-	-	-	-	60.0	-	-	61.4	59.5																				
403.5	-	-	-	-	60.0	-	-	60.4	59.1																				
413.4	-	-	-	-	-	-	-	57.5	58.0																				
426.5	-	-	-	-	-	-	-	51.4	53.9																				
439.6	-	-	-	-	-	-	-	42.4	49.4																				
449.5	-	-	-	-	-	-	-	37.7	44.3																				

177.2 ft + 78.7 ft				
SWSL_1				
SFSL_1				
SFSL_3				
0 lb				
0 lb – 716.6 klb				
87°/85° 87°/85° 75° 65° 55° 15° 15°				
ft				
1,000 lb				
39.4	-	745.2*	-	-
42.7	703.3*	743.0*	-	-
45.9	657.0*	736.3*	-	-
52.5	557.8*	758.4	-	-
55.8	518.1*	754.0	-	-
59.1	482.8*	747.4	-	-
65.6	423.3*	725.3	-	-
72.2	377.0*	694.5	-	-
78.7	339.5*	663.6	-	-
85.3	308.6*	604.1	-	-
91.9	280.0*	520.3	-	-
95.1	262.4	478.4	637.1	-
98.4	251.3	436.5	615.1	-
111.5	-	-	542.3	-
124.7	-	-	482.8	-
128.0	-	-	469.6	-
137.8	-	-	-	416.7
150.9	-	-	-	374.8
157.5	-	-	-	357.1
164.0	-	-	-	-
173.9	-	-	-	308.6
177.2	-	-	-	302.0
183.7	-	-	-	291.0
190.3	-	-	-	-
203.4	-	-	-	-
216.5	-	-	-	-
229.7	-	-	-	-
236.2	-	-	-	-

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

SWSL_1:

 36.1 ft – 62.3 ft

SWSL_3 / SFSL_3:

 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
177.2 ft + 118.1 ft									
177.2 ft + 157.5 ft									
0 lb 0 lb – 716.6 klb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
49.2	535.7*	540.1*	-	-	-	-	-	-	-
52.5	533.5*	537.9*	-	-	-	-	-	-	-
59.1	485.0*	553.4	-	-	-	-	-	-	-
65.6	425.5*	549.0	-	-	-	-	-	-	-
68.9	402.3*	544.5	-	-	-	531.3	-	-	-
72.2	379.2*	540.1	-	-	-	531.3	568.8	-	-
78.7	339.5*	529.1	-	-	-	531.3	568.8	-	-
85.3	306.4*	518.1	-	-	-	531.3	564.4	-	-
91.9	280.0*	504.9	-	-	-	526.9	560.0	-	-
98.4	257.9*	487.2	-	-	-	524.7	555.6	-	-
108.3	229.8*	434.3	520.3	-	-	511.5	540.1	-	-
111.5	220.5*	416.7	520.3	-	-	509.3	538.7	-	-
124.7	191.8*	339.5	478.4	-	-	476.9	506.3	-	-
131.2	179.7*	300.9	454.2	-	-	449.0	476.9	-	-
137.8	163.1	262.4	429.9	-	-	421.1	447.5	-	-
150.9	-	-	379.2	-	-	378.5	402.0	-	-
157.5	-	-	343.9	354.9	-	357.1	379.2	-	-
164.0	-	-	308.6	339.5	-	340.2	360.8	-	-
167.3	-	-	291.0	332.3	-	331.8	351.6	-	-
177.2	-	-	-	310.9	-	306.4	324.1	-	-
190.3	-	-	-	286.6	-	280.0	297.6	-	-
196.9	-	-	-	275.6	-	266.8	284.4	-	-
200.1	-	-	-	-	260.1	261.2	278.5	-	-
203.4	-	-	-	-	255.7	255.7	272.6	-	-
216.5	-	-	-	-	238.1	233.7	249.1	-	-
223.1	-	-	-	-	229.3	220.8	237.0	-	-
229.7	-	-	-	-	-	208.0	224.9	-	-
242.8	-	-	-	-	-	183.0	199.9	-	-
255.9	-	-	-	-	-	165.3	176.4	-	-
269.0	-	-	-	-	-	142.2	156.5	-	-
275.6	-	-	-	-	-	132.3	144.4	-	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1:	36.1 ft – 62.3 ft
SWSL_3/SFSL_3:	36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
177.2 ft + 196.9 ft									
SWSL_1 SFSL_1 SFSL_3									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
65.6	284.4*	288.8*	-	-	-	-	-	-	-
72.2	282.2*	286.6*	-	-	-	-	-	-	-
78.7	286.6	288.8	-	-	-	-	-	-	-
85.3	284.4	288.8	-	-	-	-	-	-	-
91.9	275.6*	286.6	-	-	-	-	-	-	-
95.1	263.5*	286.6	-	-	-	284.4	297.6	-	-
98.4	253.5*	286.6	-	-	-	284.4	297.6	-	-
111.5	215.0*	282.2	-	-	-	284.4	297.6	-	-
124.7	185.2*	275.6	-	-	-	282.9	297.6	-	-
137.8	162.0*	271.2	-	-	-	280.0	297.6	-	-
141.1	157.1*	269.5	260.1	-	-	278.9	293.9	-	-
150.9	142.2*	264.6	260.1	-	-	275.6	289.5	-	-
164.0	126.8*	242.5	260.1	-	-	268.2	282.2	-	-
177.2	113.5*	212.7	260.1	-	-	262.4	273.4	-	-
190.3	102.1*	185.2	260.1	-	-	251.3	264.6	-	-
200.1	94.8*	165.3	238.7	219.4	-	244.7	257.9	-	-
203.4	92.4*	158.7	231.5	219.4	-	242.5	255.7	-	-
206.7	89.9*	151.8	224.6	219.4	-	240.3	253.5	-	-
213.3	82.0	137.8	210.8	219.4	-	235.9	249.1	-	-
216.5	-	-	203.9	219.4	-	233.7	246.9	-	-
229.7	-	-	178.6	219.4	-	218.3	232.2	-	-
242.8	-	-	152.1	208.3	-	203.2	217.2	-	-
255.9	-	-	-	192.9	187.4	188.5	201.7	-	-
269.0	-	-	-	168.7	176.4	173.1	187.0	-	-
272.3	-	-	-	162.0	173.9	169.2	183.4	-	-
282.2	-	-	-	-	166.4	156.7	172.2	-	-
295.3	-	-	-	-	156.5	140.0	155.4	-	-
298.6	-	-	-	-	154.3	136.1	151.2	-	-
308.4	-	-	-	-	-	126.8	138.5	-	-
321.5	-	-	-	-	-	114.1	122.2	-	-
334.6	-	-	-	-	-	99.9	110.2	-	-
347.8	-	-	-	-	-	85.6	95.4	-	-
351.1	-	-	-	-	-	83.1	91.7	-	-

177.2 ft + 236.2 ft									
SWSL_1 SFSL_1 SFSL_3									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
75.5	208.3*	211.6*	-	-	-	-	-	-	-
78.7	208.3*	211.6*	-	-	-	-	-	-	-
85.3	207.2*	209.4*	-	-	-	-	-	-	-
91.9	208.3	210.5	-	-	-	-	-	-	-
98.4	208.3	210.5	-	-	-	-	-	-	-
108.3	201.4*	208.9	-	-	-	206.1	-	-	-
111.5	200.6*	208.3	-	-	-	206.1	-	-	-
114.8	194.8*	207.8	-	-	-	206.1	217.2	-	-
124.7	177.5*	206.1	-	-	-	205.4	215.7	-	-
137.8	154.3*	202.8	-	-	-	203.9	212.7	-	-
150.9	136.7*	199.5	-	-	-	201.0	209.1	-	-
157.5	129.0*	197.9	185.2	-	-	199.5	207.2	-	-
164.0	121.3*	196.2	185.2	-	-	197.3	205.0	-	-
177.2	108.0*	192.9	185.2	-	-	192.9	200.6	-	-
190.3	97.0*	188.5	185.2	-	-	188.5	195.1	-	-
203.4	87.3*	173.1	185.2	-	-	183.0	190.3	-	-
216.5	78.7*	153.2	185.2	-	-	178.6	185.2	-	-
223.1	75.1*	144.4	185.2	148.8	-	176.4	182.6	-	-
229.7	71.4*	135.6	185.2	148.8	-	174.2	180.0	-	-
242.8	64.8*	116.8	167.6	148.8	-	168.7	175.3	-	-
249.3	58.6	108.2	158.7	148.8	-	166.4	173.1	-	-
255.9	-	-	149.9	148.8	-	164.2	170.9	-	-
269.0	-	-	132.3	148.8	-	156.9	163.1	-	-
282.2	-	-	113.5	148.8	125.7	149.9	155.4	-	-
295.3	-	-	-	143.3	125.7	141.1	147.7	-	-
308.4	-	-	-	126.8	125.7	131.5	140.4	-	-
311.7	-	-	-	122.4	125.7	129.2	138.5	-	-
321.5	-	-	-	-	125.7	120.5	131.2	-	-
334.6	-	-	-	-	125.7	108.9	120.2	-	-
337.9	-	-	-	-	124.6	106.4	117.0	-	-
347.8	-	-	-	-	-	99.1	107.5	-	-
360.9	-	-	-	-	-	88.1	97.9	-	-
374.0	-	-	-	-	-	76.1	86.4	-	-
387.1	-	-	-	-	-	64.7	73.2	-	-
390.4	-	-	-	-	-	62.6	69.9	-	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1: 36.1 ft – 62.3 ft

SWSL_3 / SFSL_3: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 177.2 ft +  275.6 ft									
 SWSL_1 SFSL_1 SFSL_3 0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
85.3	151.0*	153.2*	-	-	-	-	-	-	-
91.9	149.9*	152.1*	-	-	-	-	-	-	-
98.4	149.9	152.1	-	-	-	-	-	-	-
111.5	148.8	149.9	-	-	-	-	-	-	-
121.4	147.2	149.1	-	-	-	147.7	155.4	-	-
124.7	146.6	148.8	-	-	-	147.5	155.0	-	-
137.8	143.3	146.6	-	-	-	146.6	153.2	-	-
150.9	133.4*	144.4	-	-	-	143.7	150.3	-	-
164.0	116.8*	141.1	-	-	-	140.7	147.3	-	-
173.9	107.6*	139.4	130.1	-	-	138.5	145.1	-	-
177.2	104.5*	138.9	130.1	-	-	137.8	144.4	-	-
190.3	93.3*	136.7	130.1	-	-	134.8	140.7	-	-
203.4	83.3*	134.5	130.1	-	-	131.5	137.1	-	-
216.5	75.0*	132.3	130.1	-	-	127.9	133.4	-	-
229.7	67.2*	130.1	130.1	-	-	124.9	129.7	-	-
242.8	60.6*	127.9	130.1	-	-	121.6	125.7	-	-
246.1	59.1*	124.6	130.1	103.4	-	120.7	124.6	-	-
255.9	54.7*	114.6	130.1	103.4	-	117.9	121.3	-	-
269.0	49.4*	101.4	130.1	103.4	-	115.0	117.7	-	-
282.2	44.3*	88.0	125.7	103.4	-	111.7	113.7	-	-
288.7	39.2	80.7	119.0	103.4	-	110.1	111.6	-	-
295.3	-	-	112.4	103.4	-	108.5	109.8	-	-
308.4	-	-	100.3	103.4	85.5	105.2	106.4	-	-
318.2	-	-	90.2	103.4	85.5	103.2	103.9	-	-
321.5	-	-	-	103.4	85.5	102.6	103.0	-	-
334.6	-	-	-	103.4	85.5	100.1	99.6	-	-
347.8	-	-	-	96.8	85.5	97.9	96.3	-	-
360.9	-	-	-	-	85.5	93.1	92.8	-	-
374.0	-	-	-	-	85.5	83.1	87.1	-	-
387.1	-	-	-	-	-	74.9	81.1	-	-
400.3	-	-	-	-	-	66.2	73.0	-	-
413.4	-	-	-	-	-	56.7	65.9	-	-
426.5	-	-	-	-	-	46.1	54.7	-	-

 177.2 ft +  315.0 ft									
 SWSL_1 SFSL_1 SFSL_3 0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15°									
ft	1,000 lb								
91.9	110.0*	112.4*	-	-	-	-	-	-	-
98.4	109.3*	111.3*	-	-	-	-	-	-	-
111.5	108.0	109.8	-	-	-	-	-	-	-
124.7	106.7	108.2	-	-	-	-	-	-	-
134.5	105.7	106.9	-	-	-	106.5	109.8	-	-
137.8	105.4	106.5	-	-	-	106.0	109.3	-	-
150.9	103.8	104.7	-	-	-	104.6	107.6	-	-
164.0	101.9	103.0	-	-	-	102.7	105.6	-	-
177.2	98.1*	101.2	-	-	-	100.3	103.4	-	-
190.3	89.1*	99.2	91.1	-	-	97.8	101.2	-	-
203.4	79.1*	97.4	91.1	-	-	95.2	98.8	-	-
216.5	70.5*	95.5	91.1	-	-	92.6	96.1	-	-
229.7	63.1*	93.7	91.1	-	-	89.9	93.5	-	-
242.8	56.2*	91.9	90.6	-	-	87.4	90.5	-	-
255.9	50.3*	90.4	90.2	-	-	84.9	87.1	-	-
269.0	44.8*	88.8	89.5	69.9	-	82.4	83.8	-	-
282.2	39.9*	87.5	89.1	69.9	-	80.0	80.6	-	-
295.3	35.5*	85.1	88.6	69.9	-	77.6	77.4	-	-
308.4	31.3*	75.0	88.4	69.9	-	75.3	74.3	-	-
321.5	27.6*	64.6	88.0	69.9	-	72.8	71.4	-	-
324.8	24.3	61.9	87.7	69.9	-	72.3	70.8	-	-
334.6	-	-	84.9	69.9	-	70.8	69.0	-	-
337.9	-	-	82.4	69.9	55.6	70.2	68.6	-	-
347.8	-	-	75.0	69.9	55.6	68.8	66.7	-	-
357.6	-	-	67.0	69.9	55.6	67.5	64.9	-	-
360.9	-	-	-	69.9	55.6	67.0	64.3	-	-
374.0	-	-	-	69.9	55.6	65.3	61.9	-	-
387.1	-	-	-	69.9	55.6	63.6	59.7	-	-
400.3	-	-	-	-	55.6	61.2	57.2	-	-
413.4	-	-	-	-	-	58.4	55.1	-	-
426.5	-	-	-	-	-	53.0	53.2	-	-
439.6	-	-	-	-	-	47.1	51.2	-	-
452.8	-	-	-	-	-	39.5	45.4	-	-
465.9	-	-	-	-	-	30.9	37.9	-	-

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
196.9 ft + 78.7 ft									
196.9 ft + 118.1 ft									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
39.4	-	672.4*	-	-	-	-	-	-	-
42.7	646.0*	670.2*	-	-	-	-	-	-	-
45.9	639.3*	663.6*	-	-	-	-	-	-	-
52.5	557.8*	687.8	-	-	-	-	-	-	-
55.8	518.1*	683.4	-	-	-	665.8	-	743.0	-
59.1	482.8*	676.8	-	-	-	665.8	-	743.0	-
62.3	451.9*	668.0	-	-	-	665.8	725.3	743.0	-
65.6	423.3*	657.0	-	-	-	665.8	725.3	743.0	-
72.2	377.0*	637.1	-	-	-	659.2	712.1	738.5	-
78.7	339.5*	612.9	-	-	-	652.6	707.7	734.1	-
85.3	308.6*	579.8	-	-	-	646.0	703.3	725.3	-
91.9	280.0*	533.5	-	-	-	641.5	698.9	698.9	-
98.4	249.1	449.7	608.5	-	-	610.7	648.2	648.2	-
111.5	-	-	535.7	-	-	534.3	565.9	565.9	-
124.7	-	-	476.2	-	-	468.1	496.0	496.0	-
134.5	-	-	440.9	-	-	426.2	453.1	453.1	-
137.8	-	-	-	-	-	412.3	438.7	438.7	-
144.4	-	-	-	388.0	-	390.2	415.9	415.9	-
150.9	-	-	-	370.4	-	368.2	393.2	393.2	-
164.0	-	-	-	337.3	-	330.0	352.7	352.7	-
167.3	-	-	-	328.5	-	321.9	343.9	343.9	-
177.2	-	-	-	-	-	297.6	317.5	317.5	-
183.7	-	-	-	-	284.4	284.4	303.5	303.5	-
190.3	-	-	-	-	273.4	271.2	289.5	289.5	-
196.9	-	-	-	-	262.4	257.9	275.6	275.6	-
203.4	-	-	-	-	-	245.4	264.6	264.6	-
216.5	-	-	-	-	-	220.5	242.5	242.5	-
229.7	-	-	-	-	-	193.3	212.4	212.4	-
242.8	-	-	-	-	-	171.1	185.2	183.2	-
252.6	-	-	-	-	-	153.2	169.8	168.7	-

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

SWSL.1: 36.1 ft – 62.3 ft

SWSL.3/SFSL.3, SWSL.4/SFSL.4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
196.9 ft + 157.5 ft									
196.9 ft + 196.9 ft									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
59.1	357.1*	361.6*	-	-	-	-	-	-	-
65.6	354.9*	357.1*	-	-	-	-	-	-	-
72.2	354.9	366.0	-	-	-	-	-	-	-
78.7	335.1*	363.8	-	-	-	-	-	-	-
82.0	320.8*	362.7	-	-	-	354.9	-	403.4	-
85.3	306.4*	361.6	-	-	-	354.9	-	403.4	-
88.6	292.1*	359.4	-	-	-	354.9	392.4	403.4	-
91.9	277.8*	357.1	-	-	-	354.9	392.4	403.4	-
98.4	253.5*	352.7	-	-	-	354.9	392.4	403.4	-
111.5	217.2*	341.7	-	-	-	354.9	390.2	403.4	-
124.7	187.4*	330.7	-	-	-	352.0	385.8	399.0	-
131.2	175.8*	324.1	339.5	-	-	351.3	385.8	399.0	-
137.8	164.2*	317.5	339.5	-	-	350.5	385.8	399.0	-
150.9	145.5*	269.0	337.3	-	-	345.4	380.7	385.1	-
164.0	130.1*	229.3	337.3	-	-	331.4	361.6	361.6	-
170.6	122.4*	207.8	323.0	-	-	318.9	343.9	343.9	-
177.2	111.3	186.3	308.6	-	-	306.4	326.3	326.3	-
187.0	-	-	275.6	282.2	-	286.6	305.3	305.3	-
190.3	-	-	264.6	277.8	-	280.0	298.4	298.4	-
203.4	-	-	224.9	255.7	-	255.0	272.6	272.6	-
210.0	-	-	205.0	246.9	-	243.2	260.9	260.9	-
216.5	-	-	-	238.1	-	231.5	249.1	249.1	-
229.7	-	-	-	222.7	-	214.6	230.0	230.0	-
239.5	-	-	-	211.9	201.7	202.3	216.4	216.4	-
242.8	-	-	-	208.3	198.4	198.4	212.4	212.4	-
255.9	-	-	-	-	186.3	183.0	196.2	196.2	-
269.0	-	-	-	-	175.3	166.4	181.9	181.5	-
272.3	-	-	-	-	173.1	162.0	178.6	177.8	-
282.2	-	-	-	-	-	148.8	166.1	165.3	-
295.3	-	-	-	-	-	132.3	147.7	147.7	-
308.4	-	-	-	-	-	119.0	129.3	129.3	-
321.5	-	-	-	-	-	104.2	114.9	113.6	-
331.4	-	-	-	-	-	91.9	103.8	103.8	-

ft	1,000 lb								
65.6	264.6*	269.0*	-	-	-	-	-	-	-
72.2	264.6*	266.8*	-	-	-	-	-	-	-
78.7	262.4*	264.6*	-	-	-	-	-	-	-
85.3	266.8	269.0	-	-	-	-	-	-	-
91.9	257.9	269.0	-	-	-	-	-	-	-
98.4	244.7*	266.8	-	-	-	264.6	288.8	295.4	-
111.5	209.4*	262.4	-	-	-	264.6	288.8	295.4	-
124.7	180.8*	257.9	-	-	-	263.8	288.8	294.7	-
137.8	158.7*	251.3	-	-	-	262.4	288.8	293.2	-
147.6	144.7*	246.4	244.7	-	-	260.1	284.4	289.9	-
150.9	140.0*	244.7	244.7	-	-	259.4	283.7	288.8	-
164.0	124.6*	240.3	244.7	-	-	253.5	279.3	283.7	-
177.2	111.3*	211.6	244.7	-	-	249.1	273.4	277.8	-
190.3	100.8*	184.1	242.5	-	-	241.0	260.9	265.3	-
203.4	91.1*	157.6	240.3	-	-	233.7	251.3	254.3	-
206.7	88.8*	151.0	232.9	-	-	231.5	249.1	251.3	-
210.0	82.5	144.4	225.4	206.1	-	229.3	246.9	248.4	-
213.3	80.5	137.8	218.0	206.1	-	227.1	244.7	245.4	-
216.5	-	-	210.5	206.1	-	224.9	242.5	242.5	-
229.7	-	-	184.1	205.0	-	212.4	227.8	227.8	-
242.8	-	-	158.7	202.8	-	198.8	212.7	212.7	-
249.3	-	-	145.5	196.8	-	191.4	205.0	205.0	-
255.9	-	-	-	190.7	-	184.1	197.3	197.3	-
265.7	-	-	-	181.6	172.0	173.5	186.7	186.7	-
269.0	-	-	-	178.6	169.8	170.0	183.2	183.2	-
282.2	-	-	-	155.4	159.8	157.6	170.5	170.1	-
295.3	-	-	-	-	151.0	144.4	158.7	157.6	-
308.4	-	-	-	-	143.3	129.7	144.8	144.4	-
311.7	-	-	-	-	141.1	126.0	141.3	141.1	-
321.5	-	-	-	-	-	115.5	130.1	130.1	-
334.6	-	-	-	-	-	105.2	114.6	114.6	-
347.8	-	-	-	-	-	93.3	101.6	100.7	-
360.9	-	-	-	-	-	79.9	90.5	89.8	-
367.5	-	-	-	-	-	73.2	84.2	84.2	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 196.9 ft +  236.2 ft									
 SWSL_1 SFSL_1 SFSL_3 SFSL_4									
 0 lb 0 lb – 716.6 klb									
 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
75.5	196.2*	199.5*	-	-	-	-	-	-	-
78.7	196.2*	198.4*	-	-	-	-	-	-	-
85.3	195.1*	197.3*	-	-	-	-	-	-	-
91.9	196.2	199.5	-	-	-	-	-	-	-
98.4	196.2	198.4	-	-	-	-	-	-	-
111.5	192.9	196.2	-	-	-	195.1	211.6	215.0	-
124.7	177.5*	194.0	-	-	-	194.7	210.9	213.8	-
137.8	155.4*	191.8	-	-	-	194.0	209.4	211.6	-
150.9	136.7*	188.5	-	-	-	191.1	206.5	208.7	-
164.0	121.3*	185.2	175.3	-	-	188.1	203.2	205.0	-
177.2	108.2*	180.8	175.3	-	-	185.2	199.5	200.6	-
190.3	97.0*	177.5	175.3	-	-	180.8	194.0	196.2	-
203.4	87.3*	174.2	175.3	-	-	176.4	189.2	191.1	-
216.5	78.9*	153.2	175.3	-	-	172.0	184.1	186.3	-
229.7	71.4*	135.6	175.3	-	-	167.6	178.9	181.1	-
232.9	69.8*	130.9	175.0	141.1	-	166.4	177.7	179.9	-
242.8	64.8*	116.8	174.2	141.1	-	163.1	173.8	176.4	-
246.1	63.3*	112.1	169.2	141.1	-	162.0	172.5	175.3	-
252.6	56.7	102.7	159.3	141.1	-	159.8	169.9	173.1	-
255.9	-	-	154.3	141.1	-	158.7	168.7	172.0	-
269.0	-	-	136.7	141.1	-	154.3	163.1	166.4	-
282.2	-	-	119.0	141.1	-	148.1	155.8	158.7	-
285.4	-	-	114.6	141.1	-	146.1	153.8	156.5	-
295.3	-	-	-	141.1	117.9	140.0	147.7	149.9	-
308.4	-	-	-	135.6	117.9	131.9	139.6	140.4	-
318.2	-	-	-	122.4	117.9	125.3	133.6	133.4	-
321.5	-	-	-	-	117.9	122.7	131.5	131.2	-
334.6	-	-	-	-	117.9	112.4	123.5	122.4	-
347.8	-	-	-	-	117.9	101.0	113.6	113.2	-
360.9	-	-	-	-	-	89.9	102.5	102.5	-
374.0	-	-	-	-	-	80.9	90.2	90.2	-
387.1	-	-	-	-	-	70.8	80.2	78.6	-
400.3	-	-	-	-	-	60.1	70.0	69.2	-
406.8	-	-	-	-	-	54.2	64.2	64.2	-

 196.9 ft +  275.6 ft									
 SWSL_1 SFSL_1 SFSL_3 SFSL_4									
 0 lb 0 lb – 716.6 klb									
 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
85.3	143.3*	145.5*	-	-	-	-	-	-	-
91.9	142.2*	145.5*	-	-	-	-	-	-	-
98.4	142.2*	144.4*	-	-	-	-	-	-	-
111.5	142.2	143.3	-	-	-	-	-	-	-
124.7	141.1	142.2	-	-	-	141.1	-	154.3	-
131.2	138.9	141.1	-	-	-	140.5	152.1	153.2	-
137.8	137.8	140.0	-	-	-	140.0	151.0	152.1	-
150.9	132.3*	137.8	-	-	-	137.8	148.8	149.9	-
164.0	116.8*	135.6	-	-	-	135.6	146.2	147.3	-
177.2	103.6*	133.4	-	-	-	133.4	143.3	144.4	-
180.4	100.8*	132.8	123.5	-	-	132.6	142.6	143.7	-
190.3	92.4*	131.2	123.5	-	-	130.4	140.4	141.5	-
203.4	82.7*	129.0	123.5	-	-	127.5	137.1	138.2	-
216.5	74.1*	126.8	123.5	-	-	124.6	133.4	134.5	-
229.7	66.6*	124.6	123.5	-	-	120.9	129.7	130.8	-
242.8	60.0*	122.4	123.5	-	-	117.6	126.0	127.1	-
252.6	55.5*	115.7	123.5	97.4	-	115.4	123.3	124.4	-
255.9	54.0*	113.5	123.5	97.4	-	114.6	122.4	123.5	-
269.0	48.7*	100.1	123.5	97.4	-	111.7	117.9	120.7	-
282.2	43.9*	86.9	123.5	97.4	-	108.8	113.9	116.5	-
288.7	38.4	79.6	119.6	97.4	-	107.4	112.1	115.0	-
295.3	-	-	115.7	97.4	-	106.0	110.2	113.5	-
308.4	-	-	102.7	97.4	-	102.4	106.9	109.2	-
321.5	-	-	89.3	97.4	80.2	99.5	103.5	106.0	-
324.8	-	-	85.8	97.4	80.2	98.8	102.7	105.2	-
334.6	-	-	-	97.4	80.2	96.6	100.3	102.7	-
347.8	-	-	-	97.4	80.2	93.7	97.2	99.5	-
357.6	-	-	-	92.8	80.2	91.4	94.8	97.0	-
360.9	-	-	-	-	80.2	90.5	94.0	96.2	-
374.0	-	-	-	-	80.2	86.6	90.8	93.0	-
387.1	-	-	-	-	80.2	76.8	84.7	86.9	-
400.3	-	-	-	-	-	67.1	77.1	78.6	-
413.4	-	-	-	-	-	59.5	68.6	68.1	-
426.5	-	-	-	-	-	51.3	60.8	60.3	-
439.6	-	-	-	-	-	42.3	51.6	51.5	-
442.9	-	-	-	-	-	39.9	48.9	48.9	-



0 lb

143,300 lb

275,600 lb

363,800 lb

452,000 lb

540,200 lb

628,400 lb

716,600 lb

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 196.9 ft +  315.0 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
95.1	104.5*	106.7*	-	-	-	-	-	-	-
98.4	104.1*	106.5*	-	-	-	-	-	-	-
111.5	103.0	104.9	-	-	-	-	-	-	-
124.7	102.3	103.6	-	-	-	-	-	-	-
137.8	101.0	102.1	-	-	-	101.4	108.7	109.6	-
150.9	99.6	100.5	-	-	-	100.2	107.0	107.7	-
164.0	98.3	98.8	-	-	-	98.6	105.0	105.7	-
177.2	94.6*	97.2	-	-	-	96.6	102.7	103.6	-
190.3	88.2*	95.5	-	-	-	94.4	100.5	101.2	-
196.9	83.3*	94.6	86.4	-	-	93.3	99.4	100.1	-
203.4	78.5*	93.7	86.4	-	-	92.1	98.2	98.8	-
216.5	69.9*	91.9	86.4	-	-	89.7	95.7	96.3	-
229.7	62.4*	90.2	86.4	-	-	87.2	93.0	93.8	-
242.8	55.6*	88.6	86.4	-	-	84.8	90.2	91.2	-
255.9	49.6*	87.1	86.4	-	-	82.5	87.1	88.4	-
269.0	44.3*	85.5	86.4	-	-	80.1	84.2	85.5	-
275.6	41.9*	84.9	86.2	65.3	-	78.9	82.7	84.0	-
282.2	39.5*	84.2	86.2	65.3	-	77.8	81.1	82.5	-
295.3	34.8*	82.7	85.8	65.3	-	75.6	78.0	79.6	-
308.4	30.9*	73.9	85.5	65.3	-	73.4	75.0	76.8	-
321.5	27.1*	63.5	85.3	65.3	-	70.9	71.7	74.0	-
328.1	22.5	57.8	85.2	65.3	-	69.8	70.5	72.6	-
334.6	-	-	85.1	65.3	-	68.6	69.2	71.2	-
347.8	-	-	76.7	65.3	51.6	66.8	67.0	68.8	-
360.9	-	-	66.1	65.3	51.6	65.0	64.9	66.6	-
374.0	-	-	-	65.3	51.6	63.3	62.8	64.4	-
387.1	-	-	-	65.3	51.6	61.7	60.5	62.2	-
393.7	-	-	-	65.3	51.6	60.8	59.3	61.1	-
400.3	-	-	-	-	51.6	60.1	58.2	60.0	-
413.4	-	-	-	-	51.6	58.2	55.6	57.3	-
423.2	-	-	-	-	51.6	55.3	53.3	54.6	-
426.5	-	-	-	-	-	54.3	52.6	53.7	-
439.6	-	-	-	-	-	48.1	49.7	50.4	-
452.8	-	-	-	-	-	42.1	46.7	47.2	-
465.9	-	-	-	-	-	34.8	40.2	39.9	-
479.0	-	-	-	-	-	26.9	34.8	34.6	-
482.3	-	-	-	-	-	24.7	33.1	33.1	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1:  36.1 ft – 62.3 ft

SWSL_3 / SFSL_3, SWSL_4 / SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 216.5 ft +  118.1 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
49.2	429.9*	436.5*	-	-	-	-	-	-	-
52.5	429.9*	432.1*	-	-	-	-	-	-	-
59.1	423.3*	425.5*	-	-	-	-	-	-	-
65.6	407.9*	440.9	-	-	-	-	-	-	-
72.2	379.2*	434.3	-	-	-	427.7	-	504.9	-
78.7	339.5*	427.7	-	-	-	427.7	489.4	504.9	-
85.3	306.4*	418.9	-	-	-	427.7	489.4	504.9	-
91.9	280.0*	410.1	-	-	-	427.7	489.4	504.9	-
98.4	255.7*	401.2	-	-	-	427.7	485.0	502.7	-
111.5	219.4*	381.4	-	-	-	421.1	474.0	496.0	-
121.4	197.9*	359.9	421.1	-	-	416.3	466.6	485.0	-
124.7	190.7*	352.7	421.1	-	-	415.9	461.5	476.2	-
131.2	178.6*	316.4	418.9	-	-	415.2	451.2	458.6	-
137.8	160.9	280.0	418.9	-	-	414.5	440.9	440.9	-
141.1	155.4	260.1	409.5	-	-	403.8	429.9	429.9	-
150.9	-	-	381.4	-	-	371.8	396.8	396.8	-
164.0	-	-	348.3	-	-	334.4	357.1	357.1	-
177.2	-	-	288.8	302.0	-	302.0	321.9	321.9	-
190.3	-	-	-	277.8	-	274.1	292.5	292.5	-
203.4	-	-	-	255.7	-	249.9	266.8	266.8	-
213.3	-	-	-	242.5	-	234.4	250.2	250.2	-
216.5	-	-	-	-	-	229.3	244.7	244.7	-
223.1	-	-	-	-	219.4	220.1	235.2	235.2	-
229.7	-	-	-	-	211.6	210.9	225.6	225.6	-
242.8	-	-	-	-	198.4	194.0	208.0	208.0	-
246.1	-	-	-	-	196.2	190.1	203.9	203.9	-
255.9	-	-	-	-	-	178.6	191.8	191.8	-
269.0	-	-	-	-	-	158.7	174.9	174.2	-
282.2	-	-	-	-	-	139.6	156.5	155.8	-
295.3	-	-	-	-	-	126.8	136.7	136.7	-
308.4	-	-	-	-	-	108.9	120.2	119.0	-

 216.5 ft +  157.5 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
59.1	317.5*	321.9*	-	-	-	-	-	-	-
65.6	317.5*	319.7*	-	-	-	-	-	-	-
72.2	324.1	328.5	-	-	-	-	-	-	-
78.7	315.3	326.3	-	-	-	-	-	-	-
85.3	299.8*	321.9	-	-	-	317.5	-	370.4	-
91.9	280.0*	319.7	-	-	-	317.5	361.6	370.4	-
98.4	257.9*	315.3	-	-	-	317.5	361.6	370.4	-
111.5	219.4*	306.4	-	-	-	317.5	361.6	370.4	-
124.7	189.6*	295.4	-	-	-	315.3	357.1	368.2	-
134.5	172.2*	287.2	304.2	-	-	315.3	357.1	368.2	-
137.8	166.4*	284.4	304.2	-	-	315.3	357.1	368.2	-
150.9	146.6*	273.4	304.2	-	-	310.1	350.5	357.9	-
164.0	131.2*	235.9	302.0	-	-	302.0	341.7	344.7	-
170.6	123.5*	215.5	302.0	-	-	297.6	332.9	334.4	-
177.2	111.3	195.1	302.0	-	-	293.2	324.1	324.1	-
190.3	-	-	284.4	-	-	274.1	296.2	296.2	-
196.9	-	-	264.6	262.4	-	264.6	282.2	282.2	-
203.4	-	-	244.7	253.5	-	253.5	271.2	271.2	-
216.5	-	-	202.8	235.9	-	231.5	249.1	249.1	-
229.7	-	-	-	220.5	-	213.8	230.0	230.0	-
242.8	-	-	-	206.1	-	197.3	212.0	212.0	-
249.3	-	-	-	199.5	-	189.6	203.6	203.6	-
252.6	-	-	-	-	184.1	185.7	199.3	199.3	-
255.9	-	-	-	-	181.9	181.9	195.1	195.1	-
269.0	-	-	-	-	172.0	168.7	181.3	181.3	-
282.2	-	-	-	-	162.0	154.3	167.2	166.8	-
295.3	-	-	-	-	-	138.9	153.2	152.1	-
308.4	-	-	-	-	-	123.5	138.5	137.4	-
321.5	-	-	-	-	-	111.1	123.2	122.5	-
334.6	-	-	-	-	-	98.8	107.4	107.4	-
347.8	-	-	-	-	-	83.8	95.5	93.9	-

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 216.5 ft +  196.9 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
68.9	238.1*	242.5*	-	-	-	-	-	-	-
72.2	238.1*	240.3*	-	-	-	-	-	-	-
78.7	235.9*	238.1*	-	-	-	-	-	-	-
85.3	240.3	242.5	-	-	-	-	-	-	-
91.9	240.3	242.5	-	-	-	-	-	-	-
98.4	233.7	240.3	-	-	-	238.1	-	273.4	-
105.0	218.3*	238.1	-	-	-	238.1	269.0	273.4	-
111.5	209.4*	235.9	-	-	-	238.1	269.0	273.4	-
124.7	180.8*	231.5	-	-	-	238.1	269.0	273.4	-
137.8	158.7*	224.9	-	-	-	238.1	269.0	273.4	-
150.9	140.0*	220.5	220.5	-	-	235.2	265.3	270.4	-
164.0	124.6*	213.8	220.5	-	-	231.5	262.4	266.0	-
177.2	111.3*	208.3	220.5	-	-	227.1	257.9	260.1	-
190.3	100.8*	189.6	220.5	-	-	221.2	248.4	251.3	-
203.4	91.1*	163.1	220.5	-	-	215.3	240.3	242.5	-
206.7	88.8*	156.3	220.5	-	-	213.8	238.1	240.3	-
216.5	78.0	135.6	220.5	-	-	209.4	231.5	233.7	-
219.8	-	-	214.4	187.4	-	208.0	229.3	231.1	-
229.7	-	-	196.2	187.4	-	203.6	222.7	223.4	-
242.8	-	-	170.9	186.3	-	194.0	210.2	210.2	-
252.6	-	-	151.0	186.3	-	184.1	198.0	198.0	-
255.9	-	-	-	186.3	-	180.8	194.0	194.0	-
269.0	-	-	-	176.4	-	168.7	180.8	180.8	-
278.9	-	-	-	168.9	157.6	159.1	171.2	171.2	-
282.2	-	-	-	166.4	155.4	156.2	168.3	168.3	-
288.7	-	-	-	159.8	151.6	150.3	162.4	162.4	-
295.3	-	-	-	-	147.7	144.4	156.5	156.5	-
308.4	-	-	-	-	138.9	132.6	144.8	144.0	-
321.5	-	-	-	-	132.3	120.4	132.6	131.5	-
334.6	-	-	-	-	-	107.6	120.2	119.0	-
347.8	-	-	-	-	-	95.5	109.3	108.7	-
360.9	-	-	-	-	-	85.5	95.8	95.8	-
374.0	-	-	-	-	-	75.2	82.5	82.5	-
383.9	-	-	-	-	-	65.9	76.1	75.0	-

 216.5 ft +  236.2 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
78.7	178.6*	181.9*	-	-	-	-	-	-	-
85.3	178.6*	180.8*	-	-	-	-	-	-	-
91.9	179.7	181.9	-	-	-	-	-	-	-
98.4	179.7	181.9	-	-	-	-	-	-	-
111.5	178.6	179.7	-	-	-	177.5	198.4	201.7	-
124.7	170.9*	177.5	-	-	-	177.5	198.4	201.4	-
137.8	154.3*	175.3	-	-	-	177.5	198.4	200.6	-
150.9	135.6*	172.0	-	-	-	176.0	196.2	198.4	-
164.0	120.2*	168.7	-	-	-	173.8	193.3	195.5	-
167.3	117.0*	167.8	157.6	-	-	173.1	192.4	194.6	-
177.2	107.6*	165.3	157.6	-	-	170.9	189.6	191.8	-
190.3	96.3*	160.9	157.6	-	-	167.9	185.9	188.1	-
203.4	86.6*	157.6	157.6	-	-	163.9	180.8	183.0	-
216.5	78.3*	154.3	157.6	-	-	159.8	176.4	178.6	-
229.7	70.8*	137.8	157.6	-	-	156.2	172.7	174.9	-
242.8	64.2*	120.2	157.6	130.1	-	152.5	168.7	170.9	-
246.1	62.6*	115.4	157.6	130.1	-	151.6	167.6	169.8	-
252.6	55.6	106.0	157.6	130.1	-	149.7	165.3	167.6	-
255.9	-	-	157.6	130.1	-	148.8	164.2	166.4	-
269.0	-	-	144.4	130.1	-	145.0	160.9	162.0	-
282.2	-	-	126.8	130.1	-	139.6	154.7	155.8	-
292.0	-	-	112.4	129.0	-	135.8	148.6	149.7	-
295.3	-	-	-	129.0	-	134.5	146.6	147.7	-
305.1	-	-	-	129.0	109.6	129.0	140.5	141.1	-
308.4	-	-	-	129.0	109.3	127.1	138.5	138.9	-
321.5	-	-	-	129.0	109.3	119.8	130.1	130.1	-
328.1	-	-	-	120.2	109.3	116.1	125.7	125.7	-
334.6	-	-	-	-	109.3	112.4	121.3	121.3	-
347.8	-	-	-	-	108.9	103.9	112.4	112.4	-
360.9	-	-	-	-	108.9	93.0	104.7	103.7	-
374.0	-	-	-	-	-	82.2	95.9	95.0	-
387.1	-	-	-	-	-	73.2	84.6	84.3	-
400.3	-	-	-	-	-	64.4	73.3	73.3	-
413.4	-	-	-	-	-	55.3	63.1	61.9	-
423.2	-	-	-	-	-	47.4	57.5	56.2	-

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
216.5 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
85.3	132.3*	134.5*	-	-	-	-	-	-	-
91.9	131.2*	134.5*	-	-	-	-	-	-	-
98.4	131.2*	133.4*	-	-	-	-	-	-	-
111.5	131.2	133.4	-	-	-	-	-	-	-
124.7	130.1	131.2	-	-	-	130.1	145.5	147.7	-
137.8	129.0	130.1	-	-	-	130.1	144.4	146.6	-
150.9	124.6*	127.9	-	-	-	128.6	142.9	144.4	-
164.0	115.7*	126.8	-	-	-	126.8	140.7	141.8	-
177.2	103.0*	124.6	-	-	-	124.6	137.8	138.9	-
183.7	97.3*	123.5	113.5	-	-	123.5	136.3	137.4	-
190.3	91.7*	122.4	113.5	-	-	122.4	134.8	136.0	-
203.4	82.0*	120.2	113.5	-	-	119.8	131.9	133.0	-
216.5	73.4*	117.9	113.5	-	-	116.8	129.0	130.1	-
229.7	65.9*	115.7	113.5	-	-	114.6	125.3	127.1	-
242.8	59.3*	113.5	113.5	-	-	112.2	121.6	123.8	-
255.9	53.4*	111.3	113.5	-	-	109.6	117.9	120.2	-
262.5	50.7*	106.8	113.5	89.7	-	108.2	116.5	118.3	-
269.0	48.1*	102.3	113.5	89.7	-	106.8	115.0	116.5	-
282.2	43.2*	89.1	113.5	89.7	-	104.0	110.8	112.7	-
285.4	41.2*	85.5	113.5	89.7	-	103.3	110.0	111.8	-
292.0	36.4	78.3	113.5	89.7	-	101.9	108.4	109.9	-
295.3	-	-	113.5	89.7	-	101.2	107.6	108.9	-
308.4	-	-	108.0	89.7	-	97.9	103.8	105.2	-
321.5	-	-	95.0	89.7	-	94.8	100.7	101.5	-
328.1	-	-	88.2	89.7	-	93.3	99.3	100.0	-
331.4	-	-	-	89.7	73.4	92.5	98.6	99.3	-
334.6	-	-	-	89.7	73.4	91.7	97.9	98.5	-
347.8	-	-	-	89.7	73.4	88.8	94.9	95.5	-
360.9	-	-	-	89.7	73.4	85.8	92.0	92.7	-
364.2	-	-	-	89.7	73.4	85.0	91.3	91.9	-
374.0	-	-	-	-	73.4	82.7	89.1	89.7	-
387.1	-	-	-	-	73.4	77.2	85.1	86.1	-
397.0	-	-	-	-	73.4	72.3	81.4	82.3	-
400.3	-	-	-	-	-	70.0	79.7	80.5	-
413.4	-	-	-	-	-	60.8	73.0	73.0	-
426.5	-	-	-	-	-	52.6	63.5	63.5	-
439.6	-	-	-	-	-	45.5	53.8	53.8	-
452.8	-	-	-	-	-	38.1	47.0	45.9	-
462.6	-	-	-	-	-	31.3	40.6	40.6	-

216.5 ft + 315.0 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
95.1	96.8*	99.2*	-	-	-	-	-	-	-
98.4	96.8*	98.8*	-	-	-	-	-	-	-
111.5	95.9*	97.4	-	-	-	-	-	-	-
124.7	95.2	96.6	-	-	-	-	-	-	-
137.8	94.4	95.5	-	-	-	94.6	-	104.5	-
144.4	93.8	94.8	-	-	-	94.2	102.6	103.6	-
150.9	93.3	94.1	-	-	-	93.8	102.3	102.7	-
164.0	92.2	92.6	-	-	-	92.6	100.5	101.0	-
177.2	89.5	91.1	-	-	-	90.8	98.8	99.2	-
190.3	85.5*	89.5	-	-	-	88.9	96.7	97.2	-
203.4	77.8*	88.0	79.8	-	-	86.9	94.6	95.1	-
216.5	69.2*	86.4	79.8	-	-	84.9	92.4	93.0	-
229.7	61.7*	84.9	79.8	-	-	82.7	89.9	90.7	-
242.8	55.1*	83.3	79.8	-	-	80.5	87.3	88.3	-
255.9	49.2*	81.8	79.8	-	-	78.3	84.7	86.0	-
269.0	43.7*	80.5	79.8	-	-	76.2	81.7	83.4	-
282.2	38.8*	79.1	79.8	-	-	74.1	78.8	80.6	-
285.4	37.7*	78.8	79.8	59.7	-	73.6	78.0	79.9	-
295.3	34.4*	77.8	79.8	59.7	-	72.1	75.8	77.8	-
308.4	30.4*	75.6	79.8	59.7	-	70.1	73.1	75.2	-
321.5	26.7*	65.3	79.8	59.7	-	68.0	70.0	72.5	-
331.4	19.8	56.7	79.8	59.7	-	66.4	67.9	70.4	-
334.6	-	-	79.8	59.7	-	65.9	67.2	69.7	-
347.8	-	-	79.8	59.7	-	63.7	65.0	67.1	-
360.9	-	-	70.8	59.7	46.5	61.9	62.9	64.9	-
367.5	-	-	65.3	59.7	46.5	61.1	61.9	63.9	-
374.0	-	-	-	59.7	46.5	60.2	60.8	62.8	-
387.1	-	-	-	59.7	46.5	58.7	58.8	60.6	-
400.3	-	-	-	59.7	46.5	57.2	56.7	58.5	-
403.5	-	-	-	59.7	46.5	56.9	56.2	58.0	-
413.4	-	-	-	-	46.5	55.8	54.7	56.4	-
426.5	-	-	-	-	46.5	52.7	51.6	53.5	-
436.4	-	-	-	-	46.5	50.0	48.9	50.8	-
439.6	-	-	-	-	-	48.7	48.1	49.8	-
452.8	-	-	-	-	-	42.8	44.5	45.6	-
465.9	-	-	-	-	-	36.0	41.0	41.4	-
479.0	-	-	-	-	-	29.9	35.7	35.9	-
492.1	-	-	-	-	-	23.1	30.0	29.3	-
498.7	-	-	-	-	-	19.2	27.6	26.9	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
236.2 ft + 78.7 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
42.7	515.9*	524.7*	-	-	-	-	-	-	-
45.9	515.9*	520.3*	-	-	-	-	-	-	-
52.5	504.9*	542.3	-	-	-	-	-	-	-
59.1	471.8*	533.5	-	-	-	518.1	-	652.6	-
65.6	425.5*	520.3	-	-	-	518.1	617.3	652.6	-
72.2	379.2*	507.1	-	-	-	518.1	617.3	652.6	-
78.7	339.5*	489.4	-	-	-	518.1	610.7	646.0	-
85.3	308.6*	474.0	-	-	-	518.1	599.7	630.5	-
91.9	282.2*	460.8	-	-	-	513.7	595.2	628.3	-
95.1	269.0*	453.1	-	-	-	509.3	590.8	627.2	-
98.4	249.1	445.3	-	-	-	509.3	590.8	626.1	-
105.0	229.3	412.3	-	-	-	496.8	564.4	590.8	-
111.5	-	515.9	-	-	-	493.1	542.3	555.6	-
124.7	-	467.4	-	-	-	461.5	490.9	490.9	-
137.8	-	421.1	-	-	-	405.7	432.1	432.1	-
144.4	-	401.2	-	-	-	385.1	410.1	410.1	-
150.9	-	-	-	-	-	364.5	388.0	388.0	-
160.8	-	-	332.9	-	-	335.5	357.1	357.1	-
164.0	-	-	326.3	-	-	327.0	348.3	348.3	-
177.2	-	-	299.8	-	-	293.2	313.1	313.1	-
183.7	-	-	286.6	-	-	280.0	299.1	299.1	-
190.3	-	-	-	-	-	266.8	285.1	285.1	-
203.4	-	-	-	-	-	242.5	260.1	260.1	-
206.7	-	-	-	238.1	-	237.0	254.6	254.6	-
216.5	-	-	-	224.9	-	220.5	238.1	238.1	-
219.8	-	-	-	220.5	-	216.1	233.3	233.3	-
229.7	-	-	-	-	-	202.8	219.0	219.0	-
242.8	-	-	-	-	-	185.4	200.4	199.7	-
255.9	-	-	-	-	-	164.2	181.9	178.6	-
269.0	-	-	-	-	-	144.0	161.3	160.2	-
282.2	-	-	-	-	-	128.4	140.0	140.0	-
288.7	-	-	-	-	-	119.0	130.1	129.0	-

236.2 ft + 118.1 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
52.5	388.0*	392.4*	-	-	-	-	-	-	-
59.1	383.6*	385.8*	-	-	-	-	-	-	-
65.6	385.8	399.0	-	-	-	-	-	-	-
72.2	361.6*	394.6	-	-	-	385.8	-	485.0	-
78.7	337.3*	388.0	-	-	-	385.8	460.8	485.0	-
85.3	308.6*	379.2	-	-	-	385.8	460.8	485.0	-
91.9	282.2*	370.4	-	-	-	385.8	460.8	485.0	-
98.4	257.9*	361.6	-	-	-	385.8	458.6	485.0	-
111.5	220.5*	343.9	-	-	-	383.6	447.5	476.2	-
124.7	191.8*	326.3	-	-	-	377.7	440.2	461.5	-
128.0	185.6*	318.0	381.4	-	-	377.0	438.7	455.3	-
134.5	173.1*	301.5	379.2	-	-	375.5	435.8	442.8	-
137.8	160.9	293.2	379.2	-	-	374.8	434.3	436.5	-
141.1	155.4	273.4	375.3	-	-	370.4	423.7	425.5	-
150.9	-	-	370.4	-	-	357.1	391.7	392.4	-
164.0	-	-	343.9	-	-	331.4	352.7	352.7	-
177.2	-	-	317.5	-	-	297.6	317.5	317.5	-
183.7	-	-	282.2	282.2	-	284.4	303.5	303.5	-
190.3	-	-	-	273.4	-	271.2	289.5	289.5	-
203.4	-	-	-	253.5	-	246.9	264.6	264.6	-
216.5	-	-	-	235.9	-	224.9	242.5	242.5	-
219.8	-	-	-	231.5	-	220.6	237.7	237.7	-
229.7	-	-	-	-	-	208.0	223.4	223.4	-
236.2	-	-	-	-	199.5	199.5	213.8	213.8	-
242.8	-	-	-	-	192.9	191.3	205.8	205.8	-
255.9	-	-	-	-	181.9	176.4	189.6	189.6	-
269.0	-	-	-	-	-	161.7	174.9	172.7	-
282.2	-	-	-	-	-	145.5	159.5	156.2	-
295.3	-	-	-	-	-	127.9	143.3	140.0	-
308.4	-	-	-	-	-	114.2	127.1	126.0	-
321.5	-	-	-	-	-	100.7	109.9	109.9	-
324.8	-	-	-	-	-	96.8	106.0	105.4	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
236.2 ft + 157.5 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
59.1	291.0*	295.4*	-	-	-	-	-	-	-
65.6	288.8*	293.2*	-	-	-	-	-	-	-
72.2	286.6*	288.8*	-	-	-	-	-	-	-
78.7	295.4	297.6	-	-	-	-	-	-	-
85.3	282.2	295.4	-	-	-	-	-	-	-
88.6	273.4*	293.2	-	-	-	291.0	-	361.6	-
91.9	269.0*	291.0	-	-	-	291.0	-	361.6	-
95.1	262.4*	289.9	-	-	-	291.0	343.9	361.6	-
98.4	255.7*	288.8	-	-	-	291.0	343.9	361.6	-
111.5	217.2*	277.8	-	-	-	291.0	343.9	361.6	-
124.7	188.5*	269.0	-	-	-	291.0	339.5	360.1	-
137.8	164.2*	257.9	-	-	-	291.0	339.5	359.4	-
141.1	159.6*	255.7	280.0	-	-	287.0	335.1	355.3	-
150.9	145.5*	249.1	277.8	-	-	285.1	335.1	350.5	-
164.0	130.1*	238.1	277.8	-	-	279.3	328.5	338.8	-
170.6	122.4*	219.9	276.7	-	-	276.3	324.1	329.2	-
177.2	110.2	201.7	275.6	-	-	273.4	319.7	319.7	-
180.4	107.6	189.6	275.0	-	-	270.4	312.7	312.7	-
190.3	-	-	273.4	-	-	261.6	291.7	291.7	-
203.4	-	-	260.1	-	-	246.2	266.8	266.8	-
206.7	-	-	250.2	240.3	-	241.4	261.2	261.2	-
216.5	-	-	220.5	229.3	-	227.1	244.7	244.7	-
219.8	-	-	209.4	225.7	-	222.7	239.9	239.9	-
229.7	-	-	-	215.0	-	209.4	225.6	225.6	-
242.8	-	-	-	201.7	-	192.7	207.7	207.7	-
255.9	-	-	-	189.6	-	177.5	191.8	191.8	-
259.2	-	-	-	186.3	-	174.2	188.3	188.3	-
262.5	-	-	-	-	168.7	170.9	184.8	184.8	-
269.0	-	-	-	-	164.2	164.2	177.8	177.8	-
282.2	-	-	-	-	155.4	151.8	164.6	164.2	-
295.3	-	-	-	-	147.7	140.0	152.1	151.0	-
308.4	-	-	-	-	-	126.0	138.9	137.1	-
321.5	-	-	-	-	-	112.1	126.1	123.5	-
334.6	-	-	-	-	-	99.9	113.5	111.3	-
347.8	-	-	-	-	-	88.6	99.0	98.3	-
360.9	-	-	-	-	-	76.1	85.5	84.2	-
364.2	-	-	-	-	-	72.8	83.1	80.5	-

236.2 ft + 196.9 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
68.9	220.5*	222.7*	-	-	-	-	-	-	-
72.2	219.4*	222.7*	-	-	-	-	-	-	-
78.7	218.3*	220.5*	-	-	-	-	-	-	-
85.3	222.7	224.9	-	-	-	-	-	-	-
91.9	222.7	222.7	-	-	-	-	-	-	-
98.4	220.5	222.7	-	-	-	-	-	-	-
101.7	213.0	221.6	-	-	-	219.4	-	269.0	-
108.3	205.6*	219.4	-	-	-	219.4	257.9	269.0	-
111.5	203.9*	218.3	-	-	-	219.4	257.9	269.0	-
124.7	179.7*	213.8	-	-	-	219.4	257.9	269.0	-
137.8	157.6*	208.3	-	-	-	219.4	257.9	269.0	-
150.9	138.9*	201.7	-	-	-	217.9	255.7	266.0	-
157.5	131.2*	199.0	203.9	-	-	217.2	255.7	264.6	-
164.0	123.5*	196.2	203.9	-	-	215.3	253.5	262.4	-
177.2	110.2*	189.6	203.9	-	-	211.6	249.1	257.9	-
190.3	99.6*	184.1	203.9	-	-	207.2	241.8	250.6	-
203.4	90.2*	166.4	203.9	-	-	201.7	233.7	241.0	-
210.0	85.8*	153.2	203.9	-	-	198.8	229.3	235.2	-
216.5	76.5	140.0	203.9	-	-	196.2	224.9	229.3	-
226.4	-	-	202.3	173.1	-	192.9	218.8	221.6	-
229.7	-	-	201.7	173.1	-	191.8	216.8	219.0	-
242.8	-	-	180.8	173.1	-	185.6	205.4	206.1	-
255.9	-	-	154.3	172.0	-	177.5	190.7	190.7	-
259.2	-	-	147.7	172.0	-	174.3	187.4	187.4	-
269.0	-	-	-	172.0	-	165.0	177.5	177.5	-
282.2	-	-	-	162.0	-	152.9	165.0	165.0	-
292.0	-	-	-	155.4	143.3	144.0	156.2	156.2	-
295.3	-	-	-	153.2	141.1	141.1	153.2	153.2	-
298.6	-	-	-	151.0	139.2	138.5	150.5	150.5	-
308.4	-	-	-	-	133.4	130.8	142.2	142.2	-
321.5	-	-	-	-	126.8	119.9	131.5	130.4	-
331.4	-	-	-	-	122.4	111.3	123.8	121.1	-
334.6	-	-	-	-	-	108.9	121.3	117.9	-
347.8	-	-	-	-	-	97.2	109.9	107.0	-
360.9	-	-	-	-	-	85.6	99.0	96.9	-
374.0	-	-	-	-	-	76.1	88.0	86.9	-
387.1	-	-	-	-	-	66.8	75.6	75.3	-
400.3	-	-	-	-	-	56.2	65.5	63.1	-
403.5	-	-	-	-	-	53.4	63.5	60.8	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 236.2 ft +  236.2 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
78.7	166.4*	168.7*	-	-	-	-	-	-	-
85.3	165.3*	167.6*	-	-	-	-	-	-	-
91.9	164.2*	166.4*	-	-	-	-	-	-	-
98.4	166.4	168.7	-	-	-	-	-	-	-
111.5	166.4	167.6	-	-	-	-	-	-	-
114.8	164.2	167.0	-	-	-	165.3	-	199.5	-
121.4	162.3	165.9	-	-	-	165.3	192.9	199.3	-
124.7	162.0	165.3	-	-	-	165.3	192.9	199.2	-
137.8	151.0*	162.0	-	-	-	165.3	192.9	198.4	-
150.9	134.5*	158.7	-	-	-	163.9	190.7	196.2	-
164.0	119.0*	155.4	-	-	-	162.0	188.1	193.6	-
173.9	109.6*	152.9	146.6	-	-	160.4	185.9	191.4	-
177.2	106.5*	152.1	146.6	-	-	159.8	185.2	190.7	-
190.3	95.5*	148.8	146.6	-	-	156.9	181.5	186.3	-
203.4	85.8*	144.4	146.6	-	-	154.0	177.8	182.2	-
216.5	77.4*	141.1	146.6	-	-	151.0	174.2	178.6	-
229.7	69.9*	137.8	146.6	-	-	147.3	169.8	174.2	-
242.8	63.3*	122.4	146.6	-	-	144.2	165.7	169.8	-
246.1	61.7*	117.7	146.6	-	-	143.5	164.8	168.7	-
249.3	55.8	113.1	146.6	121.3	-	142.9	163.9	167.6	-
255.9	52.9	103.8	146.6	121.3	-	141.1	162.0	165.3	-
269.0	-	-	146.6	121.3	-	137.1	158.4	161.7	-
282.2	-	-	133.4	121.3	-	133.4	154.0	157.3	-
295.3	-	-	115.7	121.3	-	130.1	148.8	152.1	-
308.4	-	-	-	121.3	-	122.7	139.3	141.1	-
318.2	-	-	-	121.3	102.3	117.3	132.1	133.0	-
321.5	-	-	-	121.3	102.3	115.5	129.7	130.4	-
334.6	-	-	-	121.3	102.3	108.9	120.2	120.2	-
347.8	-	-	-	-	102.1	102.0	111.7	110.5	-
360.9	-	-	-	-	102.1	93.4	103.2	101.0	-
370.7	-	-	-	-	100.1	85.7	96.7	94.2	-
374.0	-	-	-	-	-	83.1	94.6	91.9	-
387.1	-	-	-	-	-	73.4	86.2	83.3	-
400.3	-	-	-	-	-	64.2	76.8	74.8	-
413.4	-	-	-	-	-	56.4	66.4	66.4	-
426.5	-	-	-	-	-	48.3	55.9	55.9	-
439.6	-	-	-	-	-	39.0	48.1	45.4	-

 0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 236.2 ft +  315.0 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85°  75°  65°  55°  15°  15°  15°									
ft	1,000 lb								
95.1	90.8*	93.3*	-	-	-	-	-	-	-
98.4	90.6*	93.0*	-	-	-	-	-	-	-
111.5	90.4*	91.7*	-	-	-	-	-	-	-
124.7	89.7	91.3	-	-	-	-	-	-	-
137.8	89.1	90.2	-	-	-	-	-	-	-
141.1	88.8	89.9	-	-	-	88.8	100.8	103.6	-
150.9	88.2	89.1	-	-	-	88.3	100.1	102.7	-
164.0	87.3	87.7	-	-	-	87.5	98.8	101.4	-
177.2	85.5	86.4	-	-	-	86.4	97.2	99.6	-
190.3	81.6*	84.9	-	-	-	84.8	95.5	97.8	-
203.4	76.9*	83.3	-	-	-	83.1	93.5	95.8	-
206.7	74.8*	83.0	73.6	-	-	82.7	93.0	95.2	-
216.5	68.3*	82.0	73.6	-	-	81.4	91.5	93.5	-
229.7	60.8*	80.5	73.6	-	-	79.3	89.3	91.1	-
242.8	54.2*	78.9	73.6	-	-	77.3	87.1	88.8	-
255.9	48.3*	77.6	73.6	-	-	75.4	84.9	86.6	-
269.0	43.0*	76.1	73.6	-	-	73.5	82.1	84.1	-
282.2	38.1*	74.7	73.6	-	-	71.6	79.3	81.6	-
292.0	34.8*	73.7	73.6	55.6	-	70.1	77.2	79.6	-
295.3	33.7*	73.4	73.6	55.6	-	69.7	76.5	78.9	-
308.4	29.8*	72.3	73.6	55.6	-	67.8	73.7	76.3	-
321.5	26.0*	66.8	73.6	55.6	-	65.8	70.7	73.6	-
331.4	19.8	58.6	73.6	55.6	-	64.4	68.6	71.7	-
334.6	-	-	73.6	55.6	-	63.9	67.9	71.0	-
347.8	-	-	73.6	55.6	-	61.4	65.3	68.3	-
360.9	-	-	73.6	55.6	-	59.6	63.2	65.8	-
370.7	-	-	67.0	55.6	-	58.4	61.8	64.2	-
374.0	-	-	-	55.6	43.0	58.0	61.3	63.7	-
387.1	-	-	-	55.6	43.0	56.4	59.4	61.8	-
400.3	-	-	-	55.6	43.0	54.8	57.5	59.9	-
410.1	-	-	-	55.6	43.0	53.7	56.0	58.3	-
413.4	-	-	-	-	43.0	53.4	55.6	57.8	-
426.5	-	-	-	-	43.0	51.9	53.5	55.7	-
439.6	-	-	-	-	43.0	49.2	50.7	52.5	-
446.2	-	-	-	-	43.0	46.2	48.2	50.4	-
452.8	-	-	-	-	-	43.2	46.1	48.3	-
465.9	-	-	-	-	-	36.0	41.5	42.7	-
479.0	-	-	-	-	-	29.0	36.7	37.2	-
492.1	-	-	-	-	-	23.4	31.7	31.7	-
515.1	-	-	-	-	-	12.1	19.8	17.6	-

 255.9 ft +  78.7 ft									
 SWSL_1  SFSL_1  SFSL_3 SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85°  75°  65°  55° 15° 15° 15°									
ft	1,000 lb								
42.7	429.9*	440.9*	-	-	-	-	-	-	-
45.9	429.9*	436.5*	-	-	-	-	-	-	-
52.5	421.1*	425.5*	-	-	-	-	-	-	-
59.1	432.1	440.9	-	-	-	-	-	-	-
62.3	421.1	434.3	-	-	-	429.9	-	593.0	-
65.6	401.2	429.9	-	-	-	429.9	-	593.0	-
68.9	383.6	423.3	-	-	-	429.9	555.6	593.0	-
72.2	377.0*	416.7	-	-	-	429.9	555.6	593.0	-
78.7	341.7*	401.2	-	-	-	429.9	555.6	593.0	-
85.3	310.9*	388.0	-	-	-	429.9	549.0	582.0	-
91.9	282.2*	374.8	-	-	-	425.5	542.3	571.0	-
95.1	271.2*	368.2	-	-	-	424.4	537.9	568.8	-
98.4	249.1	361.6	-	-	-	423.3	537.9	568.8	-
105.0	229.3	350.5	-	-	-	418.1	524.0	551.9	-
111.5	-	-	-	-	-	415.2	521.0	535.0	-
118.1	-	-	416.7	-	-	412.3	518.1	518.1	-
124.7	-	-	405.7	-	-	403.4	488.7	488.7	-
137.8	-	-	383.6	-	-	394.6	429.9	429.9	-
150.9	-	-	357.1	-	-	359.4	385.8	385.8	-
164.0	-	-	-	-	-	325.5	346.9	346.9	-
170.6	-	-	-	308.6	-	309.4	330.0	330.0	-
177.2	-	-	-	295.4	-	293.2	313.1	313.1	-
190.3	-	-	-	273.4	-	266.8	285.1	285.1	-
203.4	-	-	-	-	-	242.5	259.4	259.4	-
216.5	-	-	-	-	-	220.5	235.9	235.9	-
219.8	-	-	-	-	217.2	216.1	231.3	231.3	-
229.7	-	-	-	-	207.2	202.8	217.5	217.5	-
242.8	-	-	-	-	-	186.3	200.3	199.2	-
255.9	-	-	-	-	-	170.9	184.1	180.8	-
269.0	-	-	-	-	-	151.8	165.7	162.4	-
282.2	-	-	-	-	-	133.0	148.4	145.1	-
295.3	-	-	-	-	-	119.0	132.3	129.0	-
305.1	-	-	-	-	-	107.6	116.8	116.8	-

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

SWSL_1:  36.1 ft – 62.3 ft
 SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
255.9 ft + 118.1 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
52.5	326.3*	330.7*	-	-	-	-	-	-	-
59.1	321.9*	324.1*	-	-	-	-	-	-	-
65.6	315.3*	335.1	-	-	-	-	-	-	-
72.2	328.5	330.7	-	-	-	-	-	-	-
75.5	317.5	327.4	-	-	-	321.9	-	443.1	-
78.7	313.1	324.1	-	-	-	321.9	-	443.1	-
82.0	302.0	319.7	-	-	-	321.9	416.7	443.1	-
85.3	293.2*	315.3	-	-	-	321.9	416.7	443.1	-
91.9	280.0*	308.6	-	-	-	321.9	416.7	443.1	-
98.4	260.1*	299.8	-	-	-	321.9	416.7	443.1	-
111.5	222.7*	282.2	-	-	-	317.5	407.9	436.5	-
124.7	192.9*	266.8	-	-	-	313.8	403.4	428.4	-
131.2	181.1*	260.1	313.1	-	-	312.3	403.4	424.8	-
134.5	175.3*	256.8	313.1	-	-	311.6	403.4	422.9	-
137.8	160.9	253.5	310.9	-	-	310.9	403.4	421.1	-
144.4	151.0	246.9	306.4	-	-	305.7	391.0	404.2	-
150.9	-	-	302.0	-	-	302.8	380.7	387.3	-
164.0	-	-	288.8	-	-	292.5	352.7	352.7	-
177.2	-	-	273.4	-	-	282.2	317.5	317.5	-
187.0	-	-	260.1	-	-	270.1	296.5	296.5	-
190.3	-	-	-	-	-	266.0	289.5	289.5	-
193.6	-	-	-	262.4	-	262.0	282.6	282.6	-
203.4	-	-	-	249.1	-	246.9	263.8	263.8	-
216.5	-	-	-	231.5	-	224.9	240.3	240.3	-
229.7	-	-	-	217.2	-	206.5	221.9	221.9	-
242.8	-	-	-	-	-	190.0	204.7	204.7	-
246.1	-	-	-	-	185.2	186.3	200.6	200.6	-
255.9	-	-	-	-	177.5	175.3	188.5	188.5	-
269.0	-	-	-	-	167.6	162.0	174.5	173.1	-
282.2	-	-	-	-	-	148.4	159.8	157.3	-
295.3	-	-	-	-	-	134.5	144.4	141.1	-
308.4	-	-	-	-	-	119.0	130.4	127.1	-
321.5	-	-	-	-	-	104.4	116.8	113.5	-
334.6	-	-	-	-	-	92.8	104.5	102.3	-
344.5	-	-	-	-	-	83.3	91.9	91.9	-

255.9 ft + 157.5 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
62.3	246.9*	251.3*	-	-	-	-	-	-	-
65.6	244.7*	249.1*	-	-	-	-	-	-	-
72.2	242.5*	246.9*	-	-	-	-	-	-	-
78.7	249.1	253.5	-	-	-	-	-	-	-
85.3	249.1	249.1	-	-	-	-	-	-	-
88.6	246.9	248.0	-	-	-	242.5	-	330.7	-
91.9	244.7	246.9	-	-	-	242.5	-	330.7	-
95.1	238.1	244.7	-	-	-	242.5	315.3	330.7	-
98.4	235.9	242.5	-	-	-	242.5	315.3	330.7	-
111.5	213.8*	233.7	-	-	-	242.5	315.3	330.7	-
124.7	187.4*	222.7	-	-	-	241.8	313.1	330.7	-
137.8	163.1*	213.8	-	-	-	240.3	313.1	330.7	-
144.4	153.8*	208.9	233.7	-	-	238.1	308.6	326.3	-
150.9	144.4*	203.9	233.7	-	-	235.9	308.6	324.8	-
164.0	129.0*	194.0	233.7	-	-	231.5	303.5	321.1	-
170.6	121.3*	190.1	230.4	-	-	229.3	302.8	318.2	-
177.2	108.9	186.3	227.1	-	-	227.1	302.0	315.3	-
180.4	106.0	185.2	225.4	-	-	225.6	297.6	308.6	-
190.3	-	-	220.5	-	-	221.2	284.4	288.8	-
203.4	-	-	212.7	-	-	215.3	263.8	263.8	-
216.5	-	-	202.8	200.6	-	209.4	240.3	240.3	-
226.4	-	-	196.2	199.5	-	203.4	226.5	226.5	-
229.7	-	-	-	199.5	-	201.4	221.9	221.9	-
242.8	-	-	-	196.2	-	189.6	203.9	203.9	-
255.9	-	-	-	185.2	-	174.2	188.5	188.5	-
269.0	-	-	-	174.2	-	160.9	174.5	174.5	-
275.6	-	-	-	-	154.3	154.3	167.6	167.6	-
282.2	-	-	-	-	149.9	148.4	161.7	161.7	-
295.3	-	-	-	-	142.2	136.7	149.9	149.9	-
305.1	-	-	-	-	136.7	129.0	141.1	139.4	-
308.4	-	-	-	-	-	126.4	138.2	136.0	-
321.5	-	-	-	-	-	114.8	125.7	123.1	-
334.6	-	-	-	-	-	102.1	113.5	110.2	-
347.8	-	-	-	-	-	89.7	102.5	99.5	-
360.9	-	-	-	-	-	80.0	90.8	88.9	-
374.0	-	-	-	-	-	69.7	78.5	78.5	-
380.6	-	-	-	-	-	63.5	71.7	71.7	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3 / SFSL_3, SWSL_4 / SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
255.9 ft + 196.9 ft									
255.9 ft + 236.2 ft									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
68.9	188.5*	192.9*	-	-	-	-	-	-	-
72.2	188.5*	191.8*	-	-	-	-	-	-	-
78.7	187.4*	190.7*	-	-	-	-	-	-	-
85.3	190.7	194.0	-	-	-	-	-	-	-
91.9	189.6	192.9	-	-	-	-	-	-	-
98.4	188.5	190.7	-	-	-	-	-	-	-
101.7	187.7	189.6	-	-	-	186.3	-	249.1	-
108.3	186.0	187.4	-	-	-	186.3	238.1	249.1	-
111.5	185.2	186.3	-	-	-	186.3	238.1	249.1	-
124.7	169.8	180.8	-	-	-	186.3	238.1	249.1	-
137.8	157.6*	175.3	-	-	-	186.3	238.1	249.1	-
150.9	138.9*	168.7	-	-	-	184.1	238.1	247.7	-
160.8	127.3*	163.7	174.2	-	-	182.4	235.2	245.8	-
164.0	123.5*	162.0	174.2	-	-	181.9	234.4	244.7	-
177.2	110.2*	155.4	174.2	-	-	179.7	231.5	240.3	-
190.3	100.1*	149.9	174.2	-	-	176.0	227.1	235.9	-
203.4	90.4*	144.4	173.1	-	-	172.3	220.8	228.9	-
210.0	86.0*	141.6	171.4	-	-	170.5	216.8	224.1	-
216.5	76.3	138.9	169.8	-	-	168.7	212.7	219.4	-
219.8	74.3	137.8	168.7	-	-	167.6	210.9	217.0	-
229.7	-	-	165.3	-	-	164.2	205.4	209.8	-
236.2	-	-	162.6	145.5	-	162.0	201.7	205.0	-
242.8	-	-	159.8	145.5	-	159.8	198.2	200.2	-
255.9	-	-	154.3	145.5	-	155.4	189.6	189.6	-
262.5	-	-	151.0	144.4	-	152.1	182.6	182.6	-
269.0	-	-	-	144.4	-	149.9	175.6	175.6	-
282.2	-	-	-	144.4	-	144.0	163.1	163.1	-
295.3	-	-	-	144.4	-	136.7	152.1	152.1	-
301.8	-	-	-	141.5	121.3	132.3	146.6	146.6	-
305.1	-	-	-	140.0	121.3	130.1	143.9	143.9	-
308.4	-	-	-	-	121.3	127.9	141.1	141.1	-
321.5	-	-	-	-	121.3	119.0	130.3	129.4	-
334.6	-	-	-	-	116.8	110.2	120.2	116.8	-
344.5	-	-	-	-	112.4	102.2	111.9	108.9	-
347.8	-	-	-	-	-	99.5	109.1	106.3	-
360.9	-	-	-	-	-	88.8	98.6	96.0	-
374.0	-	-	-	-	-	78.3	88.6	86.0	-
387.1	-	-	-	-	-	68.2	79.5	76.9	-
400.3	-	-	-	-	-	59.9	70.5	68.1	-
413.4	-	-	-	-	-	51.4	59.1	59.1	-
419.9	-	-	-	-	-	46.1	53.4	53.4	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
255.9 ft + 275.6 ft									
255.9 ft + 315.0 ft									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
88.6	107.4*	110.2*	-	-	-	-	-	-	-
91.9	107.1*	109.8*	-	-	-	-	-	-	-
98.4	106.7*	109.1*	-	-	-	-	-	-	-
111.5	106.7	108.9	-	-	-	-	-	-	-
124.7	106.0	107.6	-	-	-	-	-	-	-
128.0	105.8	107.2	-	-	-	106.0	133.4	137.8	-
137.8	104.9	106.0	-	-	-	105.8	133.4	136.7	-
150.9	103.4	104.3	-	-	-	105.2	131.9	136.0	-
164.0	101.4	102.1	-	-	-	104.2	130.4	134.5	-
177.2	95.2	99.6	-	-	-	102.7	129.0	132.3	-
190.3	90.4*	97.2	-	-	-	101.3	126.8	130.1	-
196.9	86.1*	95.9	92.4	-	-	100.5	125.7	129.0	-
203.4	81.8*	94.6	92.4	-	-	99.4	124.2	127.5	-
216.5	73.2*	91.9	92.4	-	-	97.2	121.3	124.6	-
229.7	65.9*	89.3	92.4	-	-	95.2	119.0	121.6	-
242.8	59.1*	86.6	92.4	-	-	93.0	116.3	118.8	-
255.9	53.1*	84.0	92.4	-	-	90.8	113.5	115.7	-
269.0	47.8*	81.6	92.4	-	-	88.6	110.7	113.5	-
282.2	43.0*	79.1	92.4	73.4	-	86.5	107.8	111.1	-
285.4	41.9*	78.5	92.1	73.4	-	85.9	107.0	110.5	-
295.3	34.2	76.7	91.3	73.4	-	84.2	104.7	108.5	-
308.4	-	-	90.4	73.4	-	82.1	101.6	105.8	-
321.5	-	-	88.8	73.4	-	79.4	98.3	103.2	-
334.6	-	-	86.9	73.4	-	76.9	94.4	99.0	-
337.9	-	-	86.4	73.4	-	75.9	93.3	97.7	-
347.8	-	-	-	73.4	-	74.1	90.2	93.7	-
357.6	-	-	-	73.4	59.5	72.3	87.1	89.8	-
360.9	-	-	-	73.4	59.5	71.7	86.1	88.5	-
374.0	-	-	-	73.4	59.3	69.2	81.8	83.3	-
380.6	-	-	-	73.4	59.3	68.1	79.7	80.7	-
387.1	-	-	-	-	59.3	66.9	77.7	78.0	-
400.3	-	-	-	-	59.3	64.5	73.6	72.8	-
413.4	-	-	-	-	58.9	62.2	69.4	67.5	-
419.9	-	-	-	-	58.9	58.6	66.4	64.3	-
426.5	-	-	-	-	-	55.0	63.3	61.1	-
439.6	-	-	-	-	-	47.5	57.0	54.7	-
452.8	-	-	-	-	-	39.9	50.5	48.1	-
465.9	-	-	-	-	-	32.3	43.0	41.4	-
479.0	-	-	-	-	-	26.1	35.0	34.3	-
492.1	-	-	-	-	-	20.1	26.5	26.5	-
495.4	-	-	-	-	-	18.1	24.3	24.3	-

ft	1,000 lb								
98.4	78.9*	81.4*	-	-	-	-	-	-	-
111.5	78.3*	80.2*	-	-	-	-	-	-	-
124.7	78.0	79.6	-	-	-	-	-	-	-
137.8	77.4	78.7	-	-	-	-	-	-	-
141.1	77.2	78.4	-	-	-	77.8	95.7	99.0	-
150.9	76.5	77.6	-	-	-	77.4	95.0	98.2	-
164.0	75.6	76.3	-	-	-	76.6	93.9	96.9	-
177.2	74.5	75.0	-	-	-	75.6	92.6	95.5	-
190.3	73.2	73.4	-	-	-	74.3	90.8	93.5	-
203.4	69.4	71.7	-	-	-	72.9	89.1	91.6	-
213.3	66.2*	70.5	64.6	-	-	71.8	87.7	90.2	-
216.5	65.7*	70.1	64.6	-	-	71.4	87.3	89.7	-
229.7	60.4*	68.3	64.6	-	-	69.7	85.2	87.4	-
242.8	53.8*	66.6	64.6	-	-	67.9	83.3	85.2	-
255.9	47.8*	64.8	64.6	-	-	66.1	81.4	83.1	-
269.0	42.5*	63.1	64.6	-	-	64.5	79.0	81.1	-
282.2	37.7*	61.3	64.6	-	-	62.8	76.5	78.9	-
295.3	33.3*	59.5	64.6	-	-	61.1	73.9	76.5	-
301.8	31.3*	58.6	64.6	48.1	-	60.2	72.6	75.3	-
308.4	29.3*	57.8	64.6	48.1	-	59.3	71.4	74.1	-
321.5	25.6*	56.2	64.4	48.1	-	57.5	68.6	71.7	-
334.6	15.9	54.7	64.4	48.1	-	56.0	65.9	69.2	-
347.8	-	-	64.2	48.1	-	54.2	63.4	66.7	-
360.9	-	-	63.3	48.1	-	52.2	60.6	63.9	-
374.0	-	-	62.4	48.1	-	50.0	58.9	61.5	-
377.3	-	-	62.4	48.1	-	49.6	58.4	61.0	-
383.9	-	-	-	48.1	36.8	48.9	57.5	59.9	-
387.1	-	-	-	48.1	36.8	48.5	57.1	59.3	-
400.3	-	-	-	48.1	36.8	46.8	55.3	57.1	-
413.4	-	-	-	48.1	36.8	45.2	53.6	54.7	-
419.9	-	-	-	48.1	36.8	44.4	52.6	53.6	-
426.5	-	-	-	-	36.8	43.6	51.7	52.5	-
439.6	-	-	-	-	36.8	42.0	49.8	50.3	-
452.8	-	-	-	-	36.8	40.6	47.4	47.8	-
459.3	-	-	-	-	36.8	38.1	44.8	44.9	-
465.9	-	-	-	-	-	35.7	42.3	42.2	-
479.0	-	-	-	-	-	30.0	37.0	36.6	-
492.1	-	-	-	-	-	23.4	32.0	30.9	-
518.4	-	-	-	-	-	12.6	19.7	19.1	-
524.9	-	-	-	-	-	9.7	15.9	15.8	-
531.5	-	-	-	-	-	-	12.1	12.1	-
534.8	-	-	-	-	-	-	10.1	10.1	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
275.6 ft + 78.7 ft									
275.6 ft + 118.1 ft									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
45.9	385.8*	392.4*	-	-	-	-	-	-	-
52.5	379.2*	383.6*	-	-	-	-	-	-	-
59.1	370.4*	396.8	-	-	-	-	-	-	-
62.3	390.2	392.4	-	-	-	383.6	-	544.5	-
65.6	379.2	385.8	-	-	-	383.6	-	544.5	-
68.9	363.8	380.3	-	-	-	383.6	513.7	544.5	-
72.2	352.7	374.8	-	-	-	383.6	513.7	544.5	-
78.7	332.9*	363.8	-	-	-	383.6	513.7	544.5	-
85.3	310.9*	350.5	-	-	-	381.4	513.7	544.5	-
91.9	284.4*	339.5	-	-	-	379.2	507.1	531.3	-
98.4	260.1*	326.3	-	-	-	377.0	502.7	526.9	-
108.3	220.5	313.1	-	-	-	372.6	489.4	521.4	-
111.5	-	-	-	-	-	371.1	489.4	519.6	-
118.1	-	-	368.2	-	-	368.2	489.4	515.9	-
124.7	-	-	363.8	-	-	361.6	468.9	486.5	-
137.8	-	-	343.9	-	-	352.7	427.7	427.7	-
150.9	-	-	324.1	-	-	335.8	383.6	383.6	-
154.2	-	-	317.5	-	-	332.2	372.6	372.6	-
164.0	-	-	-	-	-	315.3	343.9	343.9	-
177.2	-	-	-	-	-	288.8	308.6	308.6	-
180.4	-	-	-	282.2	-	282.2	301.7	301.7	-
190.3	-	-	-	266.8	-	262.4	280.7	280.7	-
200.1	-	-	-	253.5	-	243.8	261.2	261.2	-
203.4	-	-	-	-	-	238.5	255.7	255.7	-
216.5	-	-	-	-	-	217.2	233.7	233.7	-
229.7	-	-	-	-	-	199.5	215.0	215.0	-
232.9	-	-	-	-	196.2	195.1	210.5	210.5	-
242.8	-	-	-	-	187.4	183.0	198.0	198.0	-
255.9	-	-	-	-	-	167.6	181.9	181.9	-
269.0	-	-	-	-	-	153.6	165.7	163.5	-
282.2	-	-	-	-	-	138.2	149.5	146.2	-
295.3	-	-	-	-	-	121.3	133.4	130.1	-
308.4	-	-	-	-	-	106.2	119.8	116.0	-
321.5	-	-	-	-	-	93.9	104.3	103.8	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb									
52.5	293.2*	299.8*	-	-	-	-	-	-	-
59.1	291.0*	295.4*	-	-	-	-	-	-	-
65.6	284.4*	288.8*	-	-	-	-	-	-	-
72.2	295.4	297.6	-	-	-	-	-	-	-
75.5	293.2	295.4	-	-	-	288.8	-	416.7	-
78.7	291.0	293.2	-	-	-	288.8	-	416.7	-
82.0	282.2	289.9	-	-	-	288.8	385.8	416.7	-
85.3	280.0	286.6	-	-	-	288.8	392.4	416.7	-
91.9	262.4	277.8	-	-	-	288.8	392.4	416.7	-
98.4	249.1*	271.2	-	-	-	288.8	392.4	416.7	-
111.5	220.5*	255.7	-	-	-	285.9	385.8	410.1	-
124.7	191.8*	242.5	-	-	-	282.2	378.5	408.6	-
134.5	173.1*	232.6	277.8	-	-	278.9	377.4	406.4	-
137.8	158.7	229.3	277.8	-	-	277.8	377.0	405.7	-
144.4	148.8	222.7	275.6	-	-	274.8	369.6	389.5	-
150.9	-	-	271.2	-	-	271.9	364.5	377.7	-
164.0	-	-	260.1	-	-	263.1	343.9	348.3	-
177.2	-	-	246.9	-	-	255.7	313.1	313.1	-
190.3	-	-	231.5	-	-	246.9	285.1	285.1	-
193.6	-	-	229.3	-	-	244.7	278.2	278.2	-
203.4	-	-	-	235.9	-	235.2	259.4	259.4	-
216.5	-	-	-	224.9	-	220.5	235.9	235.9	-
229.7	-	-	-	211.6	-	202.1	217.5	217.5	-
236.2	-	-	-	205.0	-	192.9	208.3	208.3	-
242.8	-	-	-	-	-	185.2	200.3	200.3	-
255.9	-	-	-	-	-	169.8	184.1	184.1	-
259.2	-	-	-	-	166.4	166.4	180.6	180.6	-
269.0	-	-	-	-	159.8	156.5	170.1	170.1	-
278.9	-	-	-	-	153.2	147.2	160.0	159.7	-
282.2	-	-	-	-	-	144.4	156.9	156.2	-
295.3	-	-	-	-	-	133.4	144.4	142.2	-
308.4	-	-	-	-	-	119.8	130.3	127.2	-
321.5	-	-	-	-	-	105.9	117.4	114.1	-
334.6	-	-	-	-	-	92.8	105.2	102.1	-
347.8	-	-	-	-	-	81.9	93.3	91.2	-
360.9	-	-	-	-	-	70.8	79.8	79.8	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
275.6 ft + 157.5 ft									
275.6 ft + 196.9 ft									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
62.3	224.9*	229.3*	-	-	-	-	-	-	-
65.6	222.7*	227.1*	-	-	-	-	-	-	-
72.2	220.5*	222.7*	-	-	-	-	-	-	-
78.7	224.9	229.3	-	-	-	-	-	-	-
85.3	224.9	227.1	-	-	-	-	-	-	-
91.9	220.5	222.7	-	-	-	220.5	297.6	315.3	-
98.4	219.4	219.4	-	-	-	220.5	297.6	315.3	-
111.5	199.5	211.6	-	-	-	220.5	297.6	315.3	-
124.7	183.0*	201.7	-	-	-	219.4	297.6	313.8	-
137.8	160.9*	192.9	-	-	-	217.2	297.6	313.1	-
150.9	142.2*	184.1	210.5	-	-	213.5	295.4	307.9	-
164.0	126.8*	175.3	210.5	-	-	209.4	288.1	302.0	-
173.9	116.8*	169.5	207.2	-	-	206.1	285.1	295.4	-
177.2	107.1	167.6	206.1	-	-	205.0	284.4	293.2	-
183.7	101.6	164.2	202.3	-	-	202.5	280.0	286.6	-
190.3	-	-	198.4	-	-	199.9	275.6	280.0	-
203.4	-	-	190.7	-	-	194.4	260.1	261.6	-
216.5	-	-	183.0	-	-	188.5	238.1	238.1	-
223.1	-	-	178.0	179.7	-	185.6	228.5	228.5	-
229.7	-	-	174.2	179.7	-	182.6	219.0	219.0	-
242.8	-	-	-	178.6	-	177.0	201.1	201.1	-
255.9	-	-	-	173.1	-	170.9	185.2	185.2	-
269.0	-	-	-	165.3	-	158.4	171.2	171.2	-
275.6	-	-	-	160.9	-	152.1	164.2	164.2	-
282.2	-	-	-	-	-	146.2	158.4	158.4	-
285.4	-	-	-	-	141.1	143.3	155.4	155.4	-
295.3	-	-	-	-	135.6	134.5	146.6	146.6	-
308.4	-	-	-	-	129.0	123.9	135.6	134.8	-
318.2	-	-	-	-	124.6	116.3	127.9	125.7	-
321.5	-	-	-	-	-	113.6	125.0	122.6	-
334.6	-	-	-	-	-	102.7	113.5	110.2	-
347.8	-	-	-	-	-	91.3	102.4	99.2	-
360.9	-	-	-	-	-	80.0	91.8	88.7	-
374.0	-	-	-	-	-	69.7	81.8	78.7	-
387.1	-	-	-	-	-	60.7	71.1	69.6	-
397.0	-	-	-	-	-	53.4	61.7	61.7	-

0 lb 143,300 lb 275,600 lb 363,800 lb 452,000 lb 540,200 lb 628,400 lb 716,600 lb									
72.2	172.0*	176.4*	-	-	-	-	-	-	-
78.7	170.9*	174.2*	-	-	-	-	-	-	-
85.3	169.8*	172.0*	-	-	-	-	-	-	-
91.9	173.1	176.4	-	-	-	-	-	-	-
98.4	172.0	174.2	-	-	-	-	-	-	-
105.0	170.3	172.0	-	-	-	169.8	-	238.1	-
111.5	168.7	169.8	-	-	-	169.8	227.1	238.1	-
124.7	163.1	165.3	-	-	-	169.4	227.1	238.1	-
137.8	148.8*	158.7	-	-	-	168.7	227.1	238.1	-
150.9	137.8*	153.2	-	-	-	167.2	227.1	236.6	-
164.0	122.4*	146.6	-	-	-	165.0	224.1	234.4	-
167.3	119.3*	145.2	156.5	-	-	164.2	223.8	233.7	-
177.2	110.0*	141.1	156.5	-	-	162.0	222.7	231.5	-
190.3	99.0*	135.6	156.5	-	-	159.1	219.7	227.1	-
203.4	89.3*	130.1	153.2	-	-	155.8	214.2	221.2	-
210.0	84.9*	127.9	151.0	-	-	154.0	210.2	217.5	-
216.5	74.7	125.7	148.8	-	-	152.1	206.1	213.8	-
219.8	72.8	124.6	147.7	-	-	151.0	204.3	211.5	-
229.7	-	-	144.4	-	-	147.7	198.8	204.3	-
242.8	-	-	140.0	-	-	143.5	190.7	195.1	-
246.1	-	-	138.3	130.1	-	142.6	188.8	192.6	-
255.9	-	-	134.5	130.1	-	140.0	183.0	185.2	-
269.0	-	-	127.9	130.1	-	135.2	171.2	172.0	-
282.2	-	-	-	130.1	-	129.7	159.5	159.5	-
295.3	-	-	-	126.8	-	124.6	147.7	147.7	-
308.4	-	-	-	122.4	-	117.9	136.7	136.7	-
315.0	-	-	-	119.0	108.0	114.6	131.2	131.2	-
321.5	-	-	-	-	108.0	111.3	126.8	126.8	-
334.6	-	-	-	-	108.0	104.5	116.8	115.7	-
347.8	-	-	-	-	104.9	96.7	107.3	105.5	-
354.3	-	-	-	-	102.5	92.8	102.5	100.3	-
360.9	-	-	-	-	-	87.8	97.5	95.2	-
374.0	-	-	-	-	-	77.8	87.5	85.1	-
387.1	-	-	-	-	-	68.3	78.3	75.8	-
400.3	-	-	-	-	-	58.8	69.6	67.2	-
413.4	-	-	-	-	-	50.7	61.5	58.9	-
426.5	-	-	-	-	-	42.8	51.8	51.3	-
436.4	-	-	-	-	-	36.4	43.9	43.9	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
275.6 ft + 236.2 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
78.7	130.1*	134.5*	-	-	-	-	-	-	-
85.3	130.1*	133.4*	-	-	-	-	-	-	-
91.9	129.0*	131.2*	-	-	-	-	-	-	-
98.4	130.1	133.4	-	-	-	-	-	-	-
111.5	129.0	131.2	-	-	-	-	-	-	-
118.1	128.4	130.1	-	-	-	129.0	172.0	179.7	-
124.7	127.9	129.0	-	-	-	128.6	172.0	179.3	-
137.8	124.6	125.7	-	-	-	127.9	172.0	178.6	-
150.9	120.2	122.4	-	-	-	126.4	171.2	177.1	-
164.0	111.3*	117.9	-	-	-	124.9	169.8	175.3	-
177.2	105.8*	114.6	-	-	-	123.5	167.6	173.1	-
183.7	100.3*	112.4	115.7	-	-	122.4	166.1	171.6	-
190.3	94.8*	110.2	115.7	-	-	121.3	164.6	170.1	-
203.4	85.3*	106.7	115.7	-	-	119.0	161.7	166.8	-
216.5	76.7*	103.0	115.7	-	-	116.8	158.7	163.1	-
229.7	69.4*	99.2	115.7	-	-	113.9	155.8	159.5	-
242.8	62.8*	95.7	113.5	-	-	111.3	151.8	155.4	-
249.3	59.7*	93.9	112.4	-	-	110.0	149.9	153.2	-
255.9	51.4	92.4	111.3	-	-	108.7	147.7	151.0	-
259.2	50.0	91.5	110.7	-	-	108.0	146.8	149.9	-
269.0	-	-	108.7	94.8	-	105.7	144.0	146.6	-
282.2	-	-	105.6	94.8	-	102.8	140.0	142.2	-
295.3	-	-	102.1	94.8	-	99.9	135.6	137.8	-
305.1	-	-	99.4	94.8	-	97.6	132.8	134.5	-
308.4	-	-	-	94.8	-	96.9	131.9	133.4	-
321.5	-	-	-	94.6	-	92.6	126.4	126.8	-
334.6	-	-	-	94.6	-	88.4	117.9	117.9	-
341.2	-	-	-	93.6	77.6	86.3	113.5	113.1	-
347.8	-	-	-	92.6	77.4	84.3	109.0	108.2	-
351.1	-	-	-	91.7	77.4	83.3	106.7	105.8	-
360.9	-	-	-	-	77.4	80.1	99.9	98.6	-
374.0	-	-	-	-	77.4	75.8	90.8	89.1	-
387.1	-	-	-	-	76.7	71.8	82.2	80.1	-
393.7	-	-	-	-	76.7	69.7	78.0	75.8	-
400.3	-	-	-	-	-	65.5	74.0	71.7	-
413.4	-	-	-	-	-	57.1	65.9	63.5	-
426.5	-	-	-	-	-	48.8	58.4	55.9	-
439.6	-	-	-	-	-	40.7	51.2	48.5	-
452.8	-	-	-	-	-	33.1	44.3	41.4	-
465.9	-	-	-	-	-	26.7	35.3	34.4	-
475.7	-	-	-	-	-	21.6	28.4	28.4	-

275.6 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
88.6	98.8*	101.6*	-	-	-	-	-	-	-
91.9	98.5*	101.2*	-	-	-	-	-	-	-
98.4	98.1*	100.5*	-	-	-	-	-	-	-
111.5	97.9	100.1	-	-	-	-	-	-	-
124.7	97.2	98.8	-	-	-	-	-	-	-
131.2	96.6	98.0	-	-	-	97.0	129.0	133.4	-
137.8	95.9	97.2	-	-	-	96.8	129.0	133.4	-
150.9	94.6	95.5	-	-	-	96.3	128.2	131.9	-
164.0	92.6	93.3	-	-	-	95.5	126.8	130.4	-
177.2	90.2	90.8	-	-	-	94.1	124.6	129.0	-
190.3	83.1*	88.2	-	-	-	92.5	123.1	126.8	-
200.1	80.3*	86.2	84.2	-	-	91.3	121.8	125.1	-
203.4	79.6*	85.5	84.2	-	-	90.8	121.3	124.6	-
216.5	72.5*	82.9	84.2	-	-	89.1	119.0	122.4	-
229.7	65.0*	80.2	84.2	-	-	87.2	116.1	119.4	-
242.8	58.4*	77.6	84.2	-	-	85.2	113.9	116.8	-
255.9	52.5*	75.0	84.2	-	-	83.1	111.3	114.6	-
269.0	47.2*	72.5	84.0	-	-	80.9	109.0	111.7	-
282.2	42.3*	70.1	83.8	-	-	78.7	106.5	109.1	-
288.7	37.3*	69.0	83.1	65.9	-	77.7	105.2	108.0	-
295.3	32.8	67.9	82.0	65.9	-	76.5	103.8	106.9	-
298.6	31.1	67.2	81.5	65.9	-	75.9	103.2	106.3	-
308.4	-	-	80.0	65.9	-	74.3	101.2	104.4	-
321.5	-	-	78.0	65.9	-	72.1	98.3	102.0	-
334.6	-	-	76.1	65.9	-	69.9	95.7	99.6	-
344.5	-	-	74.3	65.9	-	67.6	91.9	95.5	-
347.8	-	-	-	65.9	-	66.9	90.8	94.1	-
360.9	-	-	-	65.9	-	64.4	85.9	88.5	-
367.5	-	-	-	65.9	52.2	63.2	83.4	85.5	-
374.0	-	-	-	65.9	52.2	61.9	80.9	82.5	-
387.1	-	-	-	65.9	52.2	59.4	75.8	76.5	-
390.4	-	-	-	65.9	52.2	58.8	74.5	75.0	-
400.3	-	-	-	-	52.2	57.0	70.6	70.5	-
413.4	-	-	-	-	52.0	54.5	65.5	64.6	-
426.5	-	-	-	-	52.0	51.7	60.3	58.6	-
433.1	-	-	-	-	52.0	50.0	57.8	55.6	-
439.6	-	-	-	-	-	46.4	54.6	52.4	-
452.8	-	-	-	-	-	39.0	48.3	46.1	-
465.9	-	-	-	-	-	32.0	42.0	39.6	-
479.0	-	-	-	-	-	24.9	35.5	33.3	-
492.1	-	-	-	-	-	18.7	28.7	26.9	-
511.8	-	-	-	-	-	10.1	16.5	16.5	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 275.6 ft +  315.0 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
98.4	72.3*	74.7*	-	-	-	-	-	-	-
111.5	71.7*	73.6*	-	-	-	-	-	-	-
124.7	71.2	73.0	-	-	-	-	-	-	-
137.8	70.5	72.1	-	-	-	-	-	-	-
144.4	70.2	71.5	-	-	-	70.8	-	95.7	-
150.9	69.9	71.0	-	-	-	70.5	92.6	95.1	-
164.0	68.8	69.7	-	-	-	70.0	92.2	94.1	-
177.2	67.5	68.1	-	-	-	69.2	90.8	92.8	-
190.3	66.1	66.6	-	-	-	67.9	88.9	91.2	-
203.4	64.6	64.8	-	-	-	66.6	87.4	89.5	-
216.5	62.4	63.1	58.4	-	-	65.3	85.8	87.7	-
229.7	57.5*	61.3	58.4	-	-	63.6	84.0	86.0	-
242.8	54.9*	59.5	58.4	-	-	62.0	82.1	84.0	-
255.9	50.3*	57.8	58.4	-	-	60.4	80.2	82.2	-
269.0	44.8*	55.8	58.4	-	-	58.8	78.0	80.0	-
282.2	39.9*	54.0	58.4	-	-	57.2	75.8	77.8	-
295.3	35.5*	52.2	58.4	-	-	55.6	73.4	75.6	-
308.4	31.3*	50.7	58.4	-	-	53.8	71.1	73.5	-
311.7	30.4*	50.3	58.3	42.8	-	53.4	70.5	72.9	-
321.5	27.6*	48.9	58.0	42.8	-	52.1	68.6	71.2	-
324.8	24.9*	48.6	57.8	42.8	-	51.8	68.0	70.7	-
334.6	19.6	47.4	57.1	42.8	-	50.5	66.1	69.0	-
347.8	-	-	56.4	42.8	-	48.9	63.6	66.8	-
360.9	-	-	55.3	42.8	-	47.2	60.9	64.6	-
374.0	-	-	54.0	42.8	-	45.4	58.4	62.4	-
383.9	-	-	53.1	42.5	-	43.5	56.5	59.7	-
387.1	-	-	-	42.5	-	43.0	55.9	58.9	-
397.0	-	-	-	42.5	31.7	41.7	54.2	56.4	-
400.3	-	-	-	42.5	31.7	41.2	53.6	55.6	-
413.4	-	-	-	42.5	31.5	39.5	51.1	52.2	-
426.5	-	-	-	42.5	31.5	37.7	48.8	49.0	-
439.6	-	-	-	-	31.5	35.9	46.3	45.9	-
452.8	-	-	-	-	31.5	34.2	43.7	42.5	-
465.9	-	-	-	-	31.5	32.4	40.7	39.2	-
469.2	-	-	-	-	31.3	31.4	39.9	38.4	-
479.0	-	-	-	-	-	28.0	35.8	34.0	-
492.1	-	-	-	-	-	23.1	30.2	28.4	-
518.4	-	-	-	-	-	12.0	19.3	17.3	-
524.9	-	-	-	-	-	8.8	16.6	14.6	-
531.5	-	-	-	-	-	-	13.9	11.9	-
538.1	-	-	-	-	-	-	11.1	9.0	-
541.3	-	-	-	-	-	-	9.7	-	-

 295.3 ft +  78.7 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
45.9	348.3*	354.9*	-	-	-	-	-	-	-
52.5	341.7*	346.1*	-	-	-	-	-	-	-
59.1	332.9*	357.1	-	-	-	-	-	-	-
65.6	346.1	348.3	-	-	-	343.9	-	493.8	-
72.2	335.1	339.5	-	-	-	343.9	460.8	493.8	-
78.7	313.1	328.5	-	-	-	343.9	460.8	493.8	-
85.3	295.4*	317.5	-	-	-	341.7	460.8	493.8	-
91.9	280.0*	308.6	-	-	-	339.5	460.8	489.4	-
98.4	257.9*	297.6	-	-	-	337.3	456.4	480.6	-
108.3	217.2	284.4	-	-	-	332.9	447.5	476.2	-
111.5	-	-	-	-	-	331.4	447.5	476.2	-
124.7	-	-	324.1	-	-	324.1	434.3	458.6	-
137.8	-	-	313.1	-	-	315.3	421.1	423.3	-
150.9	-	-	291.0	-	-	304.2	378.5	379.2	-
160.8	-	-	275.6	-	-	296.5	348.3	348.3	-
164.0	-	-	-	-	-	293.2	339.5	339.5	-
177.2	-	-	-	-	-	280.0	304.2	304.2	-
190.3	-	-	-	260.1	-	256.5	277.8	277.8	-
203.4	-	-	-	240.3	-	234.4	252.8	252.8	-
206.7	-	-	-	238.1	-	229.3	246.9	246.9	-
216.5	-	-	-	-	-	213.8	229.3	229.3	-
229.7	-	-	-	-	-	195.1	211.1	211.1	-
242.8	-	-	-	-	-	178.6	193.6	193.6	-
255.9	-	-	-	-	-	163.1	177.5	177.5	-
269.0	-	-	-	-	-	150.6	163.5	162.0	-
282.2	-	-	-	-	-	137.2	148.8	146.2	-
295.3	-	-	-	-	-	122.4	133.4	130.1	-
308.4	-	-	-	-	-	108.0	119.4	116.3	-
321.5	-	-	-	-	-	94.7	106.6	103.4	-
334.6	-	-	-	-	-	82.9	94.8	91.5	-
337.9	-	-	-	-	-	80.0	90.6	88.8	-



0 lb

143,300 lb

275,600 lb

363,800 lb

452,000 lb

540,200 lb

628,400 lb

716,600 lb

SWSL_1:  36.1 ft – 62.3 ft
 SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 295.3 ft +  118.1 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
55.8	264.6*	269.0*	-	-	-	-	-	-	-
59.1	262.4*	266.8*	-	-	-	-	-	-	-
65.6	257.9*	262.4*	-	-	-	-	-	-	-
72.2	266.8	271.2	-	-	-	-	-	-	-
78.7	262.4	264.6	-	-	-	260.1	-	377.0	-
85.3	257.9	260.1	-	-	-	260.1	354.9	377.0	-
91.9	249.1	253.5	-	-	-	260.1	354.9	377.0	-
98.4	238.1	246.9	-	-	-	260.1	354.9	377.0	-
111.5	215.0*	231.5	-	-	-	257.2	354.9	375.5	-
124.7	190.7*	219.4	-	-	-	253.5	346.1	372.6	-
137.8	166.4*	208.3	-	-	-	249.1	346.1	372.6	-
141.1	151.8	205.8	249.1	-	-	247.7	340.2	364.9	-
147.6	142.2	200.6	244.7	-	-	244.7	337.3	358.3	-
150.9	-	-	242.5	-	-	243.2	336.6	354.9	-
164.0	-	-	233.7	-	-	236.6	326.3	335.1	-
177.2	-	-	222.7	-	-	229.3	308.6	308.6	-
190.3	-	-	209.4	-	-	221.9	280.7	280.7	-
196.9	-	-	201.7	-	-	218.3	266.8	266.8	-
203.4	-	-	-	-	-	214.2	255.7	255.7	-
210.0	-	-	-	207.2	-	210.2	244.7	244.7	-
216.5	-	-	-	203.9	-	206.1	233.7	233.7	-
229.7	-	-	-	195.1	-	196.2	213.8	213.8	-
242.8	-	-	-	183.0	-	181.9	196.9	196.9	-
246.1	-	-	-	179.7	-	178.0	192.9	192.9	-
255.9	-	-	-	-	-	166.4	180.8	180.8	-
269.0	-	-	-	-	-	153.2	166.8	166.8	-
272.3	-	-	-	-	149.9	149.9	163.3	163.3	-
282.2	-	-	-	-	144.4	140.7	153.6	153.6	-
292.0	-	-	-	-	138.9	131.9	144.2	144.2	-
295.3	-	-	-	-	-	129.0	141.1	141.1	-
308.4	-	-	-	-	-	117.9	129.5	126.2	-
321.5	-	-	-	-	-	106.3	117.1	113.0	-
334.6	-	-	-	-	-	94.1	104.3	100.8	-
347.8	-	-	-	-	-	81.9	93.1	89.7	-
360.9	-	-	-	-	-	71.4	82.7	79.3	-
374.0	-	-	-	-	-	61.7	71.7	69.9	-
377.3	-	-	-	-	-	58.9	68.3	67.7	-

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

 295.3 ft +  157.5 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
62.3	203.9*	209.4*	-	-	-	-	-	-	-
65.6	202.8*	207.2*	-	-	-	-	-	-	-
72.2	200.6*	203.9*	-	-	-	-	-	-	-
78.7	205.0	209.4	-	-	-	-	-	-	-
85.3	203.9	206.1	-	-	-	-	-	-	-
91.9	201.7	202.8	-	-	-	199.5	-	288.8	-
98.4	198.4	199.5	-	-	-	199.5	273.4	288.8	-
111.5	190.7	191.8	-	-	-	198.8	273.4	288.8	-
124.7	170.9	183.0	-	-	-	197.3	273.4	288.1	-
137.8	159.8*	174.2	-	-	-	195.1	273.4	286.6	-
150.9	142.2*	166.4	-	-	-	192.2	269.7	282.9	-
154.2	138.3*	164.5	189.6	-	-	191.4	269.3	282.6	-
164.0	126.8*	158.7	188.5	-	-	188.5	264.6	278.5	-
173.9	116.8*	153.8	185.2	-	-	185.2	262.7	273.0	-
177.2	106.3	152.1	184.1	-	-	184.1	262.4	271.2	-
183.7	100.8	148.8	181.3	-	-	181.9	258.7	268.2	-
190.3	-	-	178.6	-	-	179.7	255.0	265.3	-
203.4	-	-	170.9	-	-	174.5	244.7	253.5	-
216.5	-	-	164.2	-	-	168.7	231.5	235.9	-
229.7	-	-	155.4	-	-	163.4	215.3	216.8	-
232.9	-	-	153.8	155.4	-	162.0	211.3	212.0	-
236.2	-	-	152.1	155.4	-	159.8	207.2	207.2	-
242.8	-	-	-	153.2	-	157.3	199.2	199.2	-
255.9	-	-	-	148.8	-	152.1	183.0	183.0	-
269.0	-	-	-	141.1	-	145.1	169.0	169.0	-
282.2	-	-	-	133.4	-	137.8	155.8	155.8	-
285.4	-	-	-	131.2	-	135.6	152.7	152.7	-
295.3	-	-	-	-	-	129.0	143.3	143.3	-
298.6	-	-	-	-	124.6	126.8	140.5	140.5	-
308.4	-	-	-	-	122.4	120.2	132.3	132.3	-
321.5	-	-	-	-	115.7	111.3	121.6	121.0	-
328.1	-	-	-	-	112.4	106.9	116.5	115.3	-
334.6	-	-	-	-	-	102.5	111.3	109.6	-
347.8	-	-	-	-	-	91.5	100.6	98.3	-
360.9	-	-	-	-	-	80.7	90.2	87.5	-
374.0	-	-	-	-	-	70.3	80.0	77.4	-
387.1	-	-	-	-	-	60.2	70.9	68.3	-
400.3	-	-	-	-	-	51.7	61.7	59.7	-
413.4	-	-	-	-	-	43.7	52.2	51.8	-
416.7	-	-	-	-	-	41.0	49.4	49.4	-

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
295.3 ft + 196.9 ft									
295.3 ft + 236.2 ft									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
72.2	155.4*	159.8*	-	-	-	-	-	-	-
78.7	154.3*	157.6*	-	-	-	-	-	-	-
85.3	152.1*	155.4*	-	-	-	-	-	-	-
91.9	155.4	157.6	-	-	-	-	-	-	-
98.4	154.3	156.5	-	-	-	-	-	-	-
105.0	152.7	154.3	-	-	-	152.1	209.4	219.4	-
111.5	151.0	152.1	-	-	-	152.1	209.4	219.4	-
124.7	146.6	147.7	-	-	-	151.4	209.4	219.0	-
137.8	141.1	142.2	-	-	-	149.9	209.4	218.3	-
150.9	127.9	136.7	-	-	-	148.4	207.2	216.1	-
164.0	121.3*	131.2	-	-	-	146.2	205.0	213.5	-
173.9	112.7*	127.0	141.1	-	-	144.0	203.4	211.3	-
177.2	110.2*	125.7	141.1	-	-	143.3	202.8	210.5	-
190.3	99.2*	120.2	140.0	-	-	140.4	199.2	206.9	-
203.4	89.5*	114.6	137.8	-	-	137.1	195.8	203.2	-
213.3	82.9*	111.3	134.5	-	-	134.3	193.6	200.4	-
216.5	74.1	110.2	133.4	-	-	133.4	192.9	199.5	-
223.1	70.5	108.9	131.2	-	-	131.5	188.9	194.7	-
229.7	-	-	129.0	-	-	129.7	184.8	190.3	-
242.8	-	-	124.6	-	-	125.7	176.6	181.9	-
252.6	-	-	120.4	115.7	-	122.4	170.6	175.3	-
255.9	-	-	119.0	115.7	-	121.3	168.7	173.1	-
269.0	-	-	113.5	115.7	-	117.6	161.3	164.2	-
272.3	-	-	112.4	115.5	-	116.7	159.5	162.0	-
282.2	-	-	-	114.6	-	113.7	153.2	154.7	-
295.3	-	-	-	111.3	-	109.6	144.4	144.4	-
308.4	-	-	-	106.9	-	104.3	134.1	134.1	-
321.5	-	-	-	101.2	-	98.9	124.2	123.8	-
324.8	-	-	-	-	93.9	97.6	121.8	121.3	-
334.6	-	-	-	-	93.5	93.5	114.6	113.5	-
347.8	-	-	-	-	91.3	88.0	105.1	103.2	-
360.9	-	-	-	-	87.3	82.7	95.4	93.1	-
367.5	-	-	-	-	84.7	80.0	90.5	88.1	-
374.0	-	-	-	-	-	77.4	85.5	83.1	-
387.1	-	-	-	-	-	68.4	76.4	74.0	-
400.3	-	-	-	-	-	59.4	67.7	65.3	-
413.4	-	-	-	-	-	50.5	59.3	56.9	-
426.5	-	-	-	-	-	41.8	51.5	49.1	-
439.6	-	-	-	-	-	33.9	43.7	42.0	-
452.8	-	-	-	-	-	27.1	35.5	35.1	-

ft	1,000 lb								
82.0	119.0*	122.4*	-	-	-	-	-	-	-
85.3	119.0*	121.3*	-	-	-	-	-	-	-
91.9	117.9*	120.2*	-	-	-	-	-	-	-
98.4	119.0	121.3	-	-	-	-	-	-	-
111.5	117.9	120.2	-	-	-	-	-	-	-
118.1	116.8	118.5	-	-	-	116.8	-	166.4	-
124.7	115.7	116.8	-	-	-	116.5	158.7	166.1	-
137.8	113.5	113.5	-	-	-	115.7	159.8	165.3	-
150.9	110.2	110.2	-	-	-	115.0	158.4	164.6	-
164.0	106.5	107.4	-	-	-	113.5	156.9	163.1	-
177.2	97.4	103.6	-	-	-	111.3	155.4	160.9	-
190.3	92.8*	99.9	105.2	-	-	110.0	153.2	158.7	-
203.4	85.5*	95.9	105.2	-	-	108.1	150.6	156.2	-
216.5	77.2*	92.4	105.2	-	-	105.6	147.7	153.2	-
229.7	69.7*	88.6	104.5	-	-	103.0	145.5	150.3	-
242.8	63.1*	85.5	102.1	-	-	100.3	142.2	146.6	-
249.3	60.0*	84.0	100.8	-	-	98.8	140.0	144.4	-
255.9	51.1	82.5	99.4	-	-	97.2	137.8	142.2	-
259.2	49.8	81.6	98.7	-	-	96.5	136.9	141.1	-
269.0	-	-	96.3	-	-	94.3	134.1	137.8	-
275.6	-	-	94.8	84.4	-	92.8	132.3	135.6	-
282.2	-	-	93.3	84.4	-	91.3	130.8	133.7	-
295.3	-	-	89.7	84.4	-	88.4	127.9	130.1	-
308.4	-	-	86.0	84.4	-	85.3	124.2	125.7	-
311.7	-	-	85.1	84.4	-	84.5	123.3	124.6	-
321.5	-	-	-	84.4	-	82.1	119.8	120.5	-
334.6	-	-	-	82.9	-	78.7	114.6	114.6	-
347.8	-	-	-	79.8	-	74.8	105.7	105.1	-
354.3	-	-	-	78.0	67.2	73.0	101.2	100.3	-
360.9	-	-	-	76.1	67.0	71.1	96.8	95.7	-
374.0	-	-	-	-	67.0	67.5	88.0	86.4	-
387.1	-	-	-	-	67.0	63.9	79.5	77.9	-
400.3	-	-	-	-	65.0	60.3	71.5	69.5	-
403.5	-	-	-	-	64.2	59.4	69.6	67.5	-
413.4	-	-	-	-	-	56.7	63.7	61.3	-
426.5	-	-	-	-	-	48.9	56.2	53.7	-
439.6	-	-	-	-	-	41.2	48.9	46.4	-
452.8	-	-	-	-	-	33.7	41.9	39.0	-
465.9	-	-	-	-	-	26.1	35.1	32.2	-
479.0	-	-	-	-	-	19.3	28.1	25.7	-
492.1	-	-	-	-	-	13.7	20.9	19.4	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
295.3 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
88.6	90.2*	93.0*	-	-	-	-	-	-	-
91.9	89.9*	92.6*	-	-	-	-	-	-	-
98.4	89.3*	91.9*	-	-	-	-	-	-	-
111.5	89.1	91.3	-	-	-	-	-	-	-
124.7	88.2	90.2	-	-	-	-	-	-	-
131.2	87.6	89.3	-	-	-	88.2	120.2	124.6	-
137.8	87.1	88.4	-	-	-	88.0	120.2	124.6	-
150.9	85.3	86.6	-	-	-	87.4	119.4	123.8	-
164.0	83.6	84.2	-	-	-	86.5	118.3	122.7	-
177.2	81.6	81.8	-	-	-	85.3	116.8	121.3	-
190.3	78.7	79.4	-	-	-	83.7	114.6	119.0	-
203.4	71.9	76.7	-	-	-	82.1	112.8	116.8	-
206.7	71.2*	76.1	76.1	-	-	81.7	112.4	116.3	-
216.5	69.0*	74.3	76.1	-	-	80.5	111.3	114.6	-
229.7	64.2*	71.4	76.1	-	-	78.6	109.4	112.4	-
242.8	57.5*	69.0	76.1	-	-	76.5	107.2	110.2	-
255.9	51.6*	66.4	76.1	-	-	74.5	104.9	108.0	-
269.0	46.3*	63.9	74.7	-	-	72.5	102.6	105.5	-
282.2	41.7*	61.7	73.6	-	-	70.3	100.3	103.1	-
288.7	38.4*	60.6	72.9	-	-	69.1	99.2	101.9	-
295.3	31.7	59.5	72.1	58.4	-	68.1	98.1	100.8	-
298.6	30.9	59.1	71.6	58.4	-	67.5	97.6	100.2	-
308.4	-	-	70.1	58.4	-	65.8	95.9	98.4	-
321.5	-	-	68.1	58.4	-	63.5	93.7	96.0	-
334.6	-	-	65.7	58.4	-	61.3	91.5	93.7	-
347.8	-	-	63.3	58.4	-	59.1	88.4	90.3	-
351.1	-	-	62.6	58.4	-	58.5	87.7	89.5	-
360.9	-	-	-	58.4	-	56.6	83.8	85.5	-
374.0	-	-	-	58.4	-	53.6	78.3	79.1	-
380.6	-	-	-	58.1	44.8	52.2	75.6	76.1	-
387.1	-	-	-	57.8	44.8	50.9	72.8	73.0	-
397.0	-	-	-	56.0	44.8	48.9	68.5	68.4	-
400.3	-	-	-	-	44.8	48.2	67.1	66.9	-
413.4	-	-	-	-	44.5	45.4	61.5	60.8	-
426.5	-	-	-	-	44.5	42.8	55.9	54.7	-
439.6	-	-	-	-	44.5	40.1	50.3	48.8	-
442.9	-	-	-	-	44.3	39.5	48.9	47.3	-
452.8	-	-	-	-	-	36.6	44.8	42.8	-
465.9	-	-	-	-	-	30.6	38.6	36.4	-
479.0	-	-	-	-	-	24.3	32.5	30.2	-
492.1	-	-	-	-	-	17.6	26.5	24.0	-
511.8	-	-	-	-	-	9.5	17.4	15.0	-
518.4	-	-	-	-	-	-	14.2	12.0	-
524.9	-	-	-	-	-	-	10.7	9.0	-
528.2	-	-	-	-	-	-	9.0	-	-

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 315.0 ft +  78.7 ft  315.0 ft +  118.1 ft									
 SWSL_1 SFSL_1 SFSL_3 SFSL_4 0 lb 0 lb – 716.6 klb          									
ft	87°/85°	87°/85°	75°	65°	55°	15°	15°	15°	
1,000 lb									
45.9	308.6*	317.5*	-	-	-	-	-	-	-
52.5	306.4*	310.9*	-	-	-	-	-	-	-
59.1	299.8*	317.5	-	-	-	-	-	-	-
65.6	310.9	313.1	-	-	-	306.4	-	454.2	-
72.2	304.2	304.2	-	-	-	306.4	425.5	454.2	-
78.7	293.2	295.4	-	-	-	304.2	425.5	454.2	-
85.3	280.0	286.6	-	-	-	304.2	425.5	454.2	-
91.9	262.4	277.8	-	-	-	302.0	425.5	454.2	-
98.4	251.3*	269.0	-	-	-	297.6	425.5	445.3	-
111.5	209.4	253.5	-	-	-	293.2	412.3	436.5	-
124.7	-	-	-	-	-	286.6	402.7	427.7	-
128.0	-	-	286.6	-	-	284.4	400.1	423.3	-
137.8	-	-	277.8	-	-	277.8	392.4	410.1	-
150.9	-	-	262.4	-	-	269.0	366.0	371.8	-
164.0	-	-	244.7	-	-	259.4	335.8	335.8	-
177.2	-	-	-	-	-	249.1	302.0	302.0	-
190.3	-	-	-	-	-	237.4	274.1	274.1	-
200.1	-	-	-	227.1	-	228.0	254.4	254.4	-
203.4	-	-	-	222.7	-	224.5	248.7	248.7	-
216.5	-	-	-	206.1	-	210.5	227.1	227.1	-
229.7	-	-	-	-	-	192.2	208.0	208.0	-
242.8	-	-	-	-	-	175.3	190.3	190.3	-
255.9	-	-	-	-	-	159.8	174.2	174.2	-
269.0	-	-	-	-	-	146.6	160.2	160.2	-
282.2	-	-	-	-	-	134.5	147.2	146.1	-
295.3	-	-	-	-	-	123.5	133.4	131.2	-
308.4	-	-	-	-	-	109.6	119.4	116.8	-
321.5	-	-	-	-	-	96.0	106.3	103.4	-
334.6	-	-	-	-	-	82.7	94.1	91.1	-
347.8	-	-	-	-	-	71.5	83.6	80.5	-
357.6	-	-	-	-	-	63.7	74.3	73.0	-

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
315.0 ft + 157.5 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
65.6	184.1*	188.5*	-	-	-	-	-	-	-
72.2	181.9*	185.2*	-	-	-	-	-	-	-
78.7	179.7*	181.9*	-	-	-	-	-	-	-
85.3	184.1	187.4	-	-	-	-	-	-	-
91.9	181.9	184.1	-	-	-	-	-	-	-
95.1	180.2	182.4	-	-	-	179.7	-	271.2	-
98.4	178.6	180.8	-	-	-	179.7	-	271.2	-
101.7	176.9	178.9	-	-	-	179.5	257.9	271.2	-
111.5	172.0	173.1	-	-	-	178.9	257.9	271.2	-
124.7	164.2	165.3	-	-	-	177.1	257.9	270.4	-
137.8	147.7	157.6	-	-	-	174.2	257.9	269.0	-
150.9	138.9*	149.9	-	-	-	172.0	253.5	267.5	-
160.8	128.7*	145.0	168.7	-	-	169.8	250.2	264.9	-
164.0	125.7*	143.3	167.6	-	-	168.7	249.1	263.1	-
173.9	115.7*	138.3	165.3	-	-	165.3	247.3	259.0	-
177.2	104.3	136.7	164.2	-	-	164.2	246.9	257.9	-
187.0	96.3	133.4	160.1	-	-	160.9	244.7	254.6	-
190.3	-	-	158.7	-	-	159.8	244.0	253.5	-
203.4	-	-	152.1	-	-	155.1	235.9	244.7	-
216.5	-	-	145.5	-	-	149.9	222.7	231.5	-
229.7	-	-	138.9	-	-	144.0	210.9	212.4	-
239.5	-	-	133.4	-	-	139.6	198.8	198.8	-
242.8	-	-	133.4	-	-	138.2	194.7	194.7	-
255.9	-	-	129.0	-	-	132.3	178.6	178.6	-
269.0	-	-	123.5	-	-	127.1	164.6	164.6	-
282.2	-	-	116.8	-	-	120.9	151.4	151.4	-
292.0	-	-	110.2	-	-	116.1	142.0	142.0	-
295.3	-	-	-	-	-	114.6	138.9	138.9	-
308.4	-	-	-	-	-	108.6	127.9	127.9	-
311.7	-	-	-	-	-	107.1	125.1	125.1	-
321.5	-	-	-	-	-	102.4	117.9	117.7	-
334.6	-	-	-	-	-	96.1	109.1	108.2	-
341.2	-	-	-	-	-	92.0	104.1	102.7	-
347.8	-	-	-	-	-	87.9	99.0	97.1	-
360.9	-	-	-	-	-	78.9	88.8	86.2	-
374.0	-	-	-	-	-	69.0	78.7	76.1	-
387.1	-	-	-	-	-	59.5	69.4	66.8	-
400.3	-	-	-	-	-	50.2	60.6	57.9	-
413.4	-	-	-	-	-	42.1	52.2	49.8	-
426.5	-	-	-	-	-	34.3	43.4	42.5	-
433.1	-	-	-	-	-	30.4	39.0	38.8	-

315.0 ft + 196.9 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
72.2	141.1*	145.5*	-	-	-	-	-	-	-
78.7	140.0*	143.3*	-	-	-	-	-	-	-
85.3	137.8*	141.1*	-	-	-	-	-	-	-
91.9	140.0	143.3	-	-	-	-	-	-	-
98.4	138.9	142.2	-	-	-	-	-	-	-
108.3	136.4	138.9	-	-	-	136.7	198.4	208.3	-
111.5	135.6	137.8	-	-	-	136.7	198.4	208.3	-
124.7	132.3	133.4	-	-	-	136.3	198.4	208.3	-
137.8	127.9	127.9	-	-	-	135.6	198.4	208.3	-
150.9	122.4	122.4	-	-	-	133.4	196.2	205.4	-
164.0	111.3	117.9	-	-	-	131.2	194.4	202.8	-
177.2	105.2*	112.4	125.7	-	-	129.0	192.9	200.6	-
190.3	98.1*	108.2	124.6	-	-	125.3	189.2	196.9	-
203.4	88.4*	103.6	122.4	-	-	122.0	185.9	193.3	-
213.3	82.0*	100.5	119.9	-	-	119.8	183.7	190.5	-
216.5	72.5	99.4	119.0	-	-	119.0	183.0	189.6	-
223.1	68.8	97.7	116.8	-	-	116.8	180.3	187.0	-
229.7	-	-	114.6	-	-	114.6	177.7	184.3	-
242.8	-	-	110.2	-	-	110.6	170.5	176.4	-
255.9	-	-	105.4	-	-	106.9	163.1	167.6	-
265.7	-	-	101.6	101.6	-	103.7	157.6	161.5	-
269.0	-	-	100.3	101.6	-	102.7	155.8	159.5	-
278.9	-	-	96.3	99.8	-	99.5	150.3	153.0	-
282.2	-	-	-	99.2	-	98.4	148.4	150.6	-
295.3	-	-	-	95.9	-	94.1	141.1	141.1	-
308.4	-	-	-	91.5	-	89.9	129.5	129.5	-
321.5	-	-	-	86.6	-	85.2	119.8	119.8	-
331.4	-	-	-	82.5	-	81.4	112.6	112.6	-
334.6	-	-	-	-	-	80.2	110.2	110.2	-
337.9	-	-	-	-	77.4	79.0	108.1	107.9	-
347.8	-	-	-	-	75.8	75.4	101.9	101.0	-
360.9	-	-	-	-	72.1	70.5	93.1	91.4	-
374.0	-	-	-	-	67.9	65.7	84.0	81.6	-
377.3	-	-	-	-	66.8	64.5	81.7	79.3	-
387.1	-	-	-	-	-	60.8	74.7	72.5	-
400.3	-	-	-	-	-	55.5	65.9	63.6	-
413.4	-	-	-	-	-	49.2	57.5	55.1	-
426.5	-	-	-	-	-	41.1	49.9	47.3	-
439.6	-	-	-	-	-	33.0	42.5	39.8	-
452.8	-	-	-	-	-	25.4	35.3	32.6	-
465.9	-	-	-	-	-	19.0	27.9	25.9	-
469.2	-	-	-	-	-	17.4	26.0	24.3	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
315.0 ft + 236.2 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
82.0	108.2*	111.3*	-	-	-	-	-	-	-
85.3	107.8*	110.2*	-	-	-	-	-	-	-
91.9	107.1*	109.8*	-	-	-	-	-	-	-
98.4	106.0*	108.2*	-	-	-	-	-	-	-
111.5	106.5	108.7	-	-	-	-	-	-	-
121.4	105.0	106.9	-	-	-	105.6	152.1	158.7	-
124.7	104.5	106.3	-	-	-	105.4	152.1	158.7	-
137.8	102.1	103.2	-	-	-	104.9	152.1	158.7	-
150.9	99.0	99.9	-	-	-	103.6	151.4	158.0	-
164.0	95.9	96.3	-	-	-	102.1	149.9	156.5	-
177.2	92.4	92.8	-	-	-	100.3	147.7	154.3	-
190.3	85.1	89.3	-	-	-	98.5	146.2	152.1	-
193.6	82.8	88.4	94.1	-	-	98.1	145.9	151.6	-
203.4	79.6*	85.5	94.1	-	-	96.3	144.4	149.5	-
216.5	76.1*	82.0	93.7	-	-	93.7	142.2	146.6	-
229.7	68.8*	78.7	92.2	-	-	91.2	139.6	144.4	-
242.8	62.2*	75.8	89.7	-	-	88.5	136.3	141.1	-
252.6	56.7*	73.7	87.7	-	-	86.3	134.1	138.5	-
255.9	49.6	73.0	87.1	-	-	85.5	133.4	137.8	-
262.5	47.0	71.7	85.6	-	-	84.0	131.5	135.6	-
269.0	-	-	84.2	-	-	82.5	129.7	133.4	-
282.2	-	-	80.9	-	-	79.4	126.0	129.0	-
285.4	-	-	80.1	73.6	-	78.6	125.1	127.9	-
295.3	-	-	77.6	73.6	-	76.3	122.4	124.6	-
308.4	-	-	74.1	73.4	-	73.3	117.9	119.0	-
318.2	-	-	71.4	72.4	-	71.1	115.7	115.7	-
321.5	-	-	-	72.1	-	70.3	114.6	114.6	-
334.6	-	-	-	69.7	-	67.2	110.2	110.2	-
347.8	-	-	-	66.6	-	63.7	102.3	102.0	-
360.9	-	-	-	63.1	-	59.9	94.0	93.3	-
364.2	-	-	-	62.2	55.3	59.0	91.8	91.1	-
367.5	-	-	-	61.3	55.1	58.1	89.7	88.8	-
374.0	-	-	-	-	55.1	56.2	85.3	84.2	-
387.1	-	-	-	-	53.8	52.6	77.1	75.7	-
400.3	-	-	-	-	51.1	48.9	69.1	67.4	-
413.4	-	-	-	-	48.1	45.2	61.3	59.3	-
416.7	-	-	-	-	47.2	44.1	59.4	57.4	-
426.5	-	-	-	-	-	40.7	53.9	51.7	-
439.6	-	-	-	-	-	35.8	46.7	44.5	-
452.8	-	-	-	-	-	30.6	39.7	37.3	-
465.9	-	-	-	-	-	24.8	32.8	30.4	-
479.0	-	-	-	-	-	18.1	26.1	23.6	-
492.1	-	-	-	-	-	11.5	19.8	17.2	-
495.4	-	-	-	-	-	10.1	18.3	15.7	-
508.5	-	-	-	-	-	-	12.1	9.7	-

315.0 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
91.9	81.1*	84.0*	-	-	-	-	-	-	-
98.4	80.7*	83.3*	-	-	-	-	-	-	-
111.5	80.2	82.7	-	-	-	-	-	-	-
124.7	79.1	81.4	-	-	-	-	-	-	-
134.5	78.3	80.0	-	-	-	-	-	-	-
137.8	78.0	79.6	-	-	-	-	-	-	-
141.1	77.6	79.1	-	-	-	-	-	-	-
150.9	76.3	77.6	-	-	-	-	-	-	-
164.0	74.5	75.4	-	-	-	-	-	-	-
177.2	72.5	73.0	-	-	-	-	-	-	-
190.3	70.1	70.5	-	-	-	-	-	-	-
203.4	67.7	68.1	-	-	-	-	-	-	-
210.0	64.9	66.8	67.7	-	-	-	-	-	-
216.5	62.4	65.5	67.7	-	-	-	-	-	-
229.7	58.4*	62.8	67.7	-	-	-	-	-	-
242.8	55.8*	60.4	67.7	-	-	-	-	-	-
255.9	50.9*	58.0	67.0	-	-	-	-	-	-
269.0	45.6*	55.8	65.7	-	-	-	-	-	-
282.2	40.8*	53.6	63.9	-	-	-	-	-	-
288.7	38.6*	52.6	63.1	-	-	-	-	-	-
295.3	30.4	51.6	62.2	-	-	-	-	-	-
301.8	27.6	50.5	61.1	-	-	-	-	-	-
305.1	-	-	60.5	50.5	-	-	-	-	-
308.4	-	-	60.0	50.5	-	-	-	-	-
321.5	-	-	57.8	50.5	-	-	-	-	-
334.6	-	-	55.6	50.5	-	-	-	-	-
347.8	-	-	52.9	50.3	-	-	-	-	-
354.3	-	-	51.8	50.0	-	-	-	-	-
360.9	-	-	-	49.8	-	-	-	-	-
374.0	-	-	-	48.5	-	-	-	-	-
387.1	-	-	-	46.7	-	-	-	-	-
393.7	-	-	-	45.4	35.9	-	-	-	-
400.3	-	-	-	44.1	35.7	-	-	-	-
406.8	-	-	-	42.8	35.7	-	-	-	-
413.4	-	-	-	-	35.7	-	-	-	-
426.5	-	-	-	-	35.1	-	-	-	-
439.6	-	-	-	-	33.7	-	-	-	-
452.8	-	-	-	-	31.5	-	-	-	-
465.9	-	-	-	-	-	23.6	-	-	-
479.0	-	-	-	-	-	19.0	-	-	-
492.1	-	-	-	-	-	14.6	-	-	-
505.3	-	-	-	-	-	9.9	-	-	-
511.8	-	-	-	-	-	-	9.0	-	-
518.4	-	-	-	-	-	-	-	9.0	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 315.0 ft +  315.0 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
98.4	58.6*	61.3*	-	-	-	-	-	-	-
111.5	57.8*	60.0*	-	-	-	-	-	-	-
124.7	56.9	59.3	-	-	-	-	-	-	-
137.8	56.2	58.2	-	-	-	-	-	-	-
147.6	55.7	57.4	-	-	-	56.9	83.1	87.3	-
150.9	55.6	57.1	-	-	-	56.7	83.0	87.2	-
164.0	54.5	55.6	-	-	-	55.9	82.3	86.3	-
177.2	53.4	54.2	-	-	-	55.1	81.6	85.1	-
190.3	51.8	52.5	-	-	-	54.1	80.4	83.6	-
203.4	50.5	50.9	-	-	-	52.9	79.3	82.2	-
216.5	48.7	49.2	-	-	-	51.6	78.3	80.9	-
226.4	47.6	47.8	45.4	-	-	50.6	77.2	79.9	-
229.7	47.2	47.4	45.4	-	-	50.3	76.9	79.5	-
242.8	43.4	45.6	45.4	-	-	48.8	75.3	77.8	-
255.9	40.1*	43.7	45.4	-	-	47.2	73.6	76.1	-
269.0	37.7*	41.9	45.4	-	-	45.6	71.9	74.3	-
282.2	34.8*	40.1	45.4	-	-	44.0	70.2	72.5	-
295.3	31.1*	38.4	44.5	-	-	42.3	68.3	70.5	-
308.4	27.1*	36.8	43.7	-	-	40.6	66.4	68.5	-
321.5	23.6*	35.3	42.8	-	-	38.8	64.5	66.4	-
324.8	22.7*	34.9	42.4	-	-	38.4	64.0	66.0	-
328.1	16.3	34.5	42.1	30.9	-	37.9	63.6	65.6	-
334.6	14.8	33.7	41.4	30.9	-	37.0	62.6	64.8	-
337.9	14.1	33.3	41.1	30.9	-	36.6	62.1	64.4	-
347.8	-	-	39.9	30.9	-	35.2	60.6	63.1	-
360.9	-	-	38.6	30.9	-	33.3	58.7	61.4	-
374.0	-	-	36.8	30.9	-	31.5	56.7	60.0	-
387.1	-	-	35.1	30.9	-	29.8	53.7	57.2	-
393.7	-	-	34.4	30.9	-	28.9	52.2	55.8	-
400.3	-	-	-	30.9	-	27.8	50.3	53.1	-
413.4	-	-	-	30.2	-	25.6	46.5	47.6	-
419.9	-	-	-	29.9	19.2	24.5	44.7	45.2	-
426.5	-	-	-	29.5	19.2	23.4	42.8	43.0	-
439.6	-	-	-	27.8	19.2	21.2	39.1	38.6	-
442.9	-	-	-	27.3	19.2	20.6	38.1	37.5	-
452.8	-	-	-	-	19.2	19.0	35.3	34.2	-
465.9	-	-	-	-	19.0	16.6	31.5	29.8	-
479.0	-	-	-	-	18.3	14.3	27.3	25.4	-
492.1	-	-	-	-	17.0	12.1	22.7	20.9	-
495.4	-	-	-	-	-	11.2	21.5	19.8	-
502.0	-	-	-	-	-	9.5	19.1	-	-
518.4	-	-	-	-	-	-	13.0	-	-
528.2	-	-	-	-	-	-	9.3	-	-

 334.6 ft +  118.1 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15° 15°									
ft	1,000 lb								
55.8	215.0*	219.4*	-	-	-	-	-	-	-
59.1	213.8*	218.3*	-	-	-	-	-	-	-
65.6	209.4*	213.8*	-	-	-	-	-	-	-
72.2	206.1*	218.3	-	-	-	-	-	-	-
78.7	211.6	215.0	-	-	-	-	-	-	-
82.0	209.4	212.2	-	-	-	208.3	-	319.7	-
85.3	207.2	209.4	-	-	-	208.3	-	319.7	-
88.6	205.0	207.2	-	-	-	208.3	299.8	319.7	-
91.9	202.8	205.0	-	-	-	208.3	299.8	319.7	-
98.4	198.4	199.5	-	-	-	207.2	299.8	319.7	-
111.5	188.5	188.5	-	-	-	203.6	299.8	316.7	-
124.7	170.9	178.6	-	-	-	199.9	294.7	312.3	-
137.8	158.7*	168.7	-	-	-	196.2	293.2	308.6	-
150.9	132.3	162.0	192.9	-	-	191.1	288.1	302.8	-
164.0	-	-	186.3	-	-	185.6	280.7	293.9	-
177.2	-	-	176.4	-	-	179.7	273.4	282.2	-
190.3	-	-	167.6	-	-	172.3	261.6	267.5	-
203.4	-	-	156.5	-	-	165.0	246.2	249.1	-
206.7	-	-	154.3	-	-	163.1	241.4	243.6	-
216.5	-	-	-	-	-	157.6	227.1	227.1	-
229.7	-	-	-	145.5	-	150.3	207.2	207.2	-
242.8	-	-	-	136.7	-	142.9	189.2	189.2	-
255.9	-	-	-	127.9	-	135.6	173.1	173.1	-
262.5	-	-	-	122.4	-	131.5	166.1	166.1	-
269.0	-	-	-	-	-	127.5	159.1	159.1	-
282.2	-	-	-	-	-	120.2	146.1	146.1	-
295.3	-	-	-	-	107.6	112.4	134.5	134.5	-
308.4	-	-	-	-	99.9	104.9	123.5	122.7	-
315.0	-	-	-	-	96.3	101.2	117.9	116.8	-
321.5	-	-	-	-	-	97.4	112.6	110.8	-
334.6	-	-	-	-	-	89.7	101.9	98.8	-
347.8	-	-	-	-	-	80.5	90.4	87.3	-
360.9	-	-	-	-	-	70.5	79.6	76.6	-
374.0	-	-	-	-	-	60.4	69.4	66.4	-
387.1	-	-	-	-	-	50.4	60.3	57.2	-
400.3	-	-	-	-	-	42.0	51.9	48.7	-
410.1	-	-	-	-	-	35.9	45.9	42.8	-

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

* Main boom angle 87°

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 334.6 ft +  157.5 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
65.6	166.4*	170.9*	-	-	-	-	-	-	-
72.2	164.2*	167.6*	-	-	-	-	-	-	-
78.7	162.0*	164.2*	-	-	-	-	-	-	-
85.3	165.3	168.7	-	-	-	-	-	-	-
91.9	163.1	165.3	-	-	-	-	-	-	-
95.1	162.0	164.2	-	-	-	158.7	-	246.9	-
98.4	160.9	163.1	-	-	-	158.7	-	246.9	-
101.7	159.6	161.5	-	-	-	158.5	231.5	246.9	-
111.5	155.4	156.5	-	-	-	158.0	233.7	246.9	-
124.7	148.8	148.8	-	-	-	155.8	233.7	246.2	-
137.8	141.1	142.2	-	-	-	152.1	233.7	244.7	-
150.9	127.9	135.6	-	-	-	149.9	230.8	241.8	-
164.0	120.2*	129.0	-	-	-	146.6	227.8	238.8	-
167.3	117.3*	127.6	144.4	-	-	145.5	227.1	238.1	-
177.2	111.3*	123.5	142.2	-	-	142.2	224.9	235.9	-
187.0	94.4	120.2	138.9	-	-	138.9	222.7	232.6	-
190.3	-	-	137.8	-	-	137.8	221.9	231.5	-
203.4	-	-	132.3	-	-	133.0	215.7	224.9	-
216.5	-	-	125.7	-	-	127.9	206.1	216.1	-
229.7	-	-	119.0	-	-	122.9	196.8	203.4	-
242.8	-	-	111.3	-	-	117.2	186.3	190.0	-
246.1	-	-	110.2	-	-	115.7	183.5	186.3	-
252.6	-	-	-	112.4	-	112.8	178.0	178.9	-
255.9	-	-	-	111.3	-	111.3	175.3	175.3	-
269.0	-	-	-	107.1	-	106.2	160.6	160.6	-
282.2	-	-	-	101.0	-	100.9	147.0	147.0	-
295.3	-	-	-	94.6	-	95.0	135.6	135.6	-
301.8	-	-	-	90.8	-	92.2	130.1	130.1	-
308.4	-	-	-	-	-	89.3	124.6	124.6	-
321.5	-	-	-	-	82.2	83.6	114.4	114.4	-
334.6	-	-	-	-	77.8	77.8	105.2	105.2	-
347.8	-	-	-	-	72.8	72.2	96.2	94.4	-
351.1	-	-	-	-	71.4	70.8	94.0	91.7	-
360.9	-	-	-	-	-	66.5	86.6	84.0	-
374.0	-	-	-	-	-	60.8	76.3	73.9	-
387.1	-	-	-	-	-	54.0	67.0	64.6	-
400.3	-	-	-	-	-	47.6	58.1	55.7	-
413.4	-	-	-	-	-	40.6	49.6	47.2	-
426.5	-	-	-	-	-	32.1	42.1	39.5	-
439.6	-	-	-	-	-	25.1	34.7	32.4	-
449.5	-	-	-	-	-	20.1	29.1	27.3	-

 334.6 ft +  196.9 ft									
 SWSL_1  SFSL_1  SFSL_3  SFSL_4									
 0 lb  0 lb – 716.6 klb									
 87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
75.5	126.8*	130.1*	-	-	-	-	-	-	-
78.7	125.7*	130.1*	-	-	-	-	-	-	-
85.3	124.6*	127.9*	-	-	-	-	-	-	-
91.9	125.7	129.0	-	-	-	-	-	-	-
98.4	124.6	127.9	-	-	-	-	-	-	-
108.3	122.9	125.4	-	-	-	123.5	181.9	190.7	-
111.5	122.4	124.6	-	-	-	123.1	181.9	190.7	-
124.7	117.9	120.2	-	-	-	122.0	181.5	190.3	-
137.8	114.6	114.6	-	-	-	121.3	180.8	189.6	-
150.9	110.2	110.2	-	-	-	119.0	179.3	187.4	-
164.0	105.6	105.8	-	-	-	116.5	177.5	185.2	-
177.2	97.7	101.2	-	-	-	113.5	175.3	183.0	-
183.7	92.6	99.0	111.3	-	-	112.3	174.2	181.5	-
190.3	89.9*	96.8	110.2	-	-	111.0	173.1	180.0	-
203.4	86.2*	92.4	108.5	-	-	108.0	170.1	176.7	-
213.3	81.1*	89.6	105.8	-	-	105.4	167.4	174.0	-
216.5	70.8	88.6	104.9	-	-	104.5	166.4	173.1	-
226.4	65.5	86.2	102.0	-	-	102.0	164.2	170.9	-
229.7	-	-	101.0	-	-	101.2	163.1	169.8	-
242.8	-	-	96.8	-	-	96.9	157.6	163.5	-
255.9	-	-	92.2	-	-	92.8	151.0	155.4	-
269.0	-	-	87.5	-	-	88.6	145.1	148.1	-
272.3	-	-	86.3	86.0	-	87.5	143.7	146.2	-
282.2	-	-	82.7	84.4	-	84.3	138.9	140.7	-
295.3	-	-	-	81.4	-	80.0	132.3	133.4	-
308.4	-	-	-	77.4	-	75.9	124.2	124.6	-
321.5	-	-	-	73.0	-	71.6	115.7	115.7	-
334.6	-	-	-	68.3	-	67.2	106.7	106.7	-
337.9	-	-	-	67.0	-	66.1	104.6	104.5	-
347.8	-	-	-	-	-	62.7	98.2	97.7	-
351.1	-	-	-	-	60.2	61.5	96.0	95.5	-
360.9	-	-	-	-	58.0	58.2	89.7	88.4	-
374.0	-	-	-	-	54.5	53.8	80.9	78.9	-
387.1	-	-	-	-	50.5	49.2	72.1	70.0	-
390.4	-	-	-	-	49.4	48.1	69.9	67.7	-
400.3	-	-	-	-	-	44.8	63.3	61.1	-
413.4	-	-	-	-	-	39.9	55.1	52.7	-
426.5	-	-	-	-	-	34.5	47.3	44.9	-
439.6	-	-	-	-	-	29.6	39.8	37.3	-
452.8	-	-	-	-	-	24.5	32.4	29.8	-
465.9	-	-	-	-	-	17.2	25.5	22.9	-
479.0	-	-	-	-	-	11.5	18.7	16.3	-
482.3	-	-	-	-	-	10.1	17.1	14.7	-
488.8	-	-	-	-	-	-	13.9	11.5	-

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

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
334.6 ft + 236.2 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
82.0	97.7*	101.0*	-	-	-	-	-	-	-
85.3	97.2*	100.3*	-	-	-	-	-	-	-
91.9	96.3*	99.2*	-	-	-	-	-	-	-
98.4	95.2*	97.7*	-	-	-	-	-	-	-
111.5	95.2	97.7	-	-	-	-	-	-	-
121.4	93.9	95.8	-	-	-	94.6	138.9	146.6	-
124.7	93.5	95.2	-	-	-	94.4	138.9	146.4	-
137.8	91.1	92.4	-	-	-	93.7	138.9	145.5	-
150.9	88.2	89.3	-	-	-	92.5	138.9	144.8	-
164.0	85.3	86.0	-	-	-	91.0	137.8	143.7	-
177.2	82.0	82.5	-	-	-	89.1	135.6	142.2	-
190.3	78.7	79.1	-	-	-	87.2	134.1	140.0	-
200.1	75.3	76.5	83.1	-	-	85.6	132.8	138.3	-
203.4	74.3	75.6	83.1	-	-	85.0	132.3	137.8	-
216.5	67.5*	72.5	82.2	-	-	82.7	130.1	135.6	-
229.7	64.4*	69.4	80.5	-	-	80.0	127.9	132.9	-
242.8	60.2*	66.6	78.3	-	-	77.3	125.3	129.7	-
252.6	56.9*	64.8	76.3	-	-	75.2	123.1	127.5	-
255.9	48.3	64.2	75.6	-	-	74.5	122.4	126.8	-
262.5	45.6	62.8	74.2	-	-	72.9	120.5	124.6	-
269.0	-	-	72.8	-	-	71.3	118.7	122.4	-
282.2	-	-	69.7	-	-	68.0	115.0	118.3	-
292.0	-	-	67.2	62.4	-	65.6	112.3	115.6	-
295.3	-	-	66.4	62.4	-	64.8	111.3	114.6	-
308.4	-	-	63.1	61.5	-	61.6	108.0	110.4	-
321.5	-	-	59.7	59.7	-	58.3	104.6	106.0	-
334.6	-	-	-	57.1	-	55.1	101.0	101.6	-
347.8	-	-	-	54.2	-	51.7	95.5	96.2	-
360.9	-	-	-	51.1	-	48.3	88.6	89.4	-
374.0	-	-	-	47.8	-	44.8	80.2	80.0	-
377.3	-	-	-	47.2	41.7	43.9	78.3	78.0	-
387.1	-	-	-	-	40.8	41.2	72.3	72.1	-
400.3	-	-	-	-	38.6	37.6	64.5	64.0	-
413.4	-	-	-	-	35.9	34.0	57.1	56.0	-
426.5	-	-	-	-	33.1	30.4	49.9	48.4	-
439.6	-	-	-	-	-	26.9	42.8	35.1	-
452.8	-	-	-	-	-	22.3	35.7	28.0	-
465.9	-	-	-	-	-	17.7	29.1	21.5	-
479.0	-	-	-	-	-	13.6	22.6	15.0	-
485.6	-	-	-	-	-	11.5	19.4	12.0	-
492.1	-	-	-	-	-	-	16.3	9.0	-
508.5	-	-	-	-	-	-	-	8.8	-

334.6 ft + 275.6 ft									
SWSL_1 SFSL_1 SFSL_3 SFSL_4									
0 lb 0 lb – 716.6 klb									
87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
91.9	72.5*	75.6*	-	-	-	-	-	-	-
98.4	71.9*	74.7*	-	-	-	-	-	-	-
111.5	71.2	74.1	-	-	-	-	-	-	-
124.7	70.3	72.5	-	-	-	-	-	-	-
134.5	69.3	71.2	-	-	-	70.5	105.4	110.2	-
137.8	69.0	70.8	-	-	-	70.3	105.4	110.2	-
150.9	67.5	68.8	-	-	-	69.4	105.1	109.8	-
164.0	65.7	66.6	-	-	-	68.4	104.5	109.1	-
177.2	63.7	64.4	-	-	-	67.2	103.6	108.0	-
190.3	61.5	61.9	-	-	-	65.8	102.1	106.4	-
203.4	59.3	59.5	-	-	-	64.2	100.7	104.8	-
216.5	56.9	57.1	59.1	-	-	62.6	99.2	103.2	-
229.7	53.8	54.7	59.1	-	-	60.7	97.4	101.2	-
242.8	48.3*	52.5	58.6	-	-	58.7	95.6	99.1	-
255.9	45.9*	50.0	57.8	-	-	56.7	93.7	97.0	-
269.0	42.8*	48.1	56.2	-	-	54.5	91.6	94.8	-
282.2	39.0*	46.1	54.2	-	-	52.1	89.4	92.4	-
292.0	34.0*	44.6	52.9	-	-	50.3	87.8	90.6	-
295.3	29.1	44.1	52.5	-	-	49.6	87.3	89.9	-
301.8	27.3	43.2	51.4	-	-	48.4	86.0	88.6	-
308.4	-	-	50.3	-	-	47.3	85.0	87.3	-
315.0	-	-	49.2	41.9	-	46.1	84.0	86.0	-
321.5	-	-	48.1	41.9	-	44.8	82.9	84.7	-
334.6	-	-	45.9	41.9	-	42.3	80.7	82.2	-
347.8	-	-	43.4	41.0	-	39.9	78.5	79.7	-
360.9	-	-	41.0	39.7	-	37.3	76.3	77.2	-
374.0	-	-	-	38.1	-	34.8	74.1	74.5	-
387.1	-	-	-	35.7	-	32.0	67.8	68.0	-
400.3	-	-	-	33.3	-	29.1	61.4	61.4	-
403.5	-	-	-	32.7	25.6	28.3	59.7	59.7	-
413.4	-	-	-	30.9	25.4	26.2	54.9	54.7	-
426.5	-	-	-	-	24.0	23.3	48.7	48.1	-
439.6	-	-	-	-	22.3	20.3	42.5	41.4	-
452.8	-	-	-	-	20.3	17.4	36.4	34.8	-
465.9	-	-	-	-	18.3	14.6	30.4	28.7	-
479.0	-	-	-	-	-	11.0	24.5	22.5	-
485.6	-	-	-	-	-	9.0	21.5	19.5	-
492.1	-	-	-	-	-	-	18.5	16.5	-
508.5	-	-	-	-	-	-	11.7	9.5	-
515.1	-	-	-	-	-	-	8.8	-	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

496,000 lb 36.1 – 68.9 ft 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5									
354.3 ft + 118.1 ft									
354.3 ft + 157.5 ft									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
0 lb 0 lb – 716.6 klb 87°/85° 87°/85° 75° 65° 55° 15° 15° 15°									
ft	1,000 lb								
59.1	190.7*	195.1*	-	-	-	-	-	-	-
65.6	187.4*	190.7*	-	-	-	-	-	-	-
72.2	184.1*	186.3*	-	-	-	-	-	-	-
78.7	189.6	192.9	-	-	-	-	-	-	-
85.3	186.3	188.5	-	-	-	185.2	-	295.4	-
91.9	181.9	184.1	-	-	-	185.2	277.8	295.4	-
98.4	177.5	179.7	-	-	-	184.1	277.8	295.4	-
111.5	168.7	169.8	-	-	-	181.1	277.8	293.9	-
124.7	159.8	160.9	-	-	-	177.8	275.6	291.0	-
137.8	148.8	152.1	-	-	-	174.2	273.4	286.6	-
150.9	131.2	145.5	-	-	-	169.0	269.7	283.7	-
154.2	-	-	168.7	-	-	167.7	269.3	282.9	-
164.0	-	-	164.2	-	-	163.5	261.6	274.1	-
177.2	-	-	156.5	-	-	157.6	253.5	264.6	-
190.3	-	-	147.7	-	-	151.0	247.7	255.7	-
203.4	-	-	138.9	-	-	144.2	237.7	241.6	-
213.3	-	-	131.2	-	-	138.9	227.1	227.1	-
216.5	-	-	-	-	-	136.7	222.7	222.7	-
229.7	-	-	-	-	-	129.3	203.6	203.6	-
239.5	-	-	-	120.2	-	124.0	190.0	190.0	-
242.8	-	-	-	117.9	-	122.4	185.9	185.9	-
255.9	-	-	-	110.0	-	115.7	169.8	169.8	-
269.0	-	-	-	101.4	-	108.5	155.8	155.8	-
272.3	-	-	-	99.2	-	106.7	152.3	152.3	-
282.2	-	-	-	-	-	101.4	142.2	142.2	-
295.3	-	-	-	-	-	94.4	130.1	130.1	-
308.4	-	-	-	-	82.2	87.3	119.8	119.8	-
321.5	-	-	-	-	75.4	80.3	109.8	109.0	-
324.8	-	-	-	-	73.2	78.7	107.4	106.2	-
334.6	-	-	-	-	-	73.6	100.1	97.7	-
347.8	-	-	-	-	-	66.9	88.8	86.2	-
360.9	-	-	-	-	-	60.1	78.2	75.5	-
374.0	-	-	-	-	-	53.4	67.9	65.3	-
387.1	-	-	-	-	-	45.7	58.5	55.9	-
400.3	-	-	-	-	-	38.1	49.9	47.3	-
413.4	-	-	-	-	-	30.6	41.7	39.0	-
426.5	-	-	-	-	-	23.1	34.2	31.6	-
429.8	-	-	-	-	-	21.2	32.4	29.8	-

65.6	146.6*	151.0*	-	-	-	-	-	-	-
72.2	145.5*	148.8*	-	-	-	-	-	-	-
78.7	142.2*	145.5*	-	-	-	-	-	-	-
85.3	144.4	148.8	-	-	-	-	-	-	-
91.9	143.3	146.6	-	-	-	-	-	-	-
98.4	141.1	143.3	-	-	-	141.1	-	229.3	-
105.0	138.3	140.5	-	-	-	140.7	218.3	229.3	-
111.5	135.6	137.8	-	-	-	140.4	217.7	229.3	-
124.7	130.1	131.2	-	-	-	138.5	216.4	227.8	-
137.8	124.6	124.6	-	-	-	135.6	215.0	224.9	-
150.9	117.9	119.0	-	-	-	132.6	212.0	221.9	-
164.0	112.4	112.4	-	-	-	129.3	209.1	219.0	-
170.6	106.9	110.2	126.8	-	-	127.5	207.6	217.5	-
177.2	101.9*	108.0	125.7	-	-	125.7	206.1	216.1	-
190.3	91.1	104.1	121.3	-	-	120.5	200.6	209.4	-
203.4	-	-	115.7	-	-	115.7	196.2	203.2	-
216.5	-	-	110.2	-	-	111.3	191.8	197.3	-
229.7	-	-	104.1	-	-	106.1	183.0	187.8	-
242.8	-	-	97.7	-	-	100.7	173.8	177.8	-
249.3	-	-	94.6	-	-	98.0	169.0	172.7	-
255.9	-	-	-	-	-	95.2	164.2	167.6	-
262.5	-	-	-	92.6	-	92.5	159.5	161.7	-
269.0	-	-	-	90.2	-	89.8	154.7	155.8	-
282.2	-	-	-	84.7	-	84.2	144.0	144.0	-
295.3	-	-	-	79.1	-	78.7	132.3	132.3	-
308.4	-	-	-	73.2	-	73.3	121.3	121.3	-
321.5	-	-	-	-	-	67.8	111.0	110.8	-
334.6	-	-	-	-	61.3	62.4	101.6	101.0	-
347.8	-	-	-	-	57.1	56.9	93.0	91.6	-
360.9	-	-	-	-	51.8	51.7	84.0	81.9	-
364.2	-	-	-	-	50.7	50.4	81.6	79.4	-
374.0	-	-	-	-	-	46.5	74.3	71.9	-
387.1	-	-	-	-	-	41.2	65.0	62.5	-
400.3	-	-	-	-	-	35.6	56.1	53.6	-
413.4	-	-	-	-	-	29.3	47.6	45.0	-
426.5	-	-	-	-	-	22.9	39.8	37.0	-
439.6	-	-	-	-	-	16.7	32.2	29.4	-
452.8	-	-	-	-	-	10.1	24.7	22.0	-
465.9	-	-	-	-	-	-	17.9	15.2	-

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

SWSL_1: 36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4: 36.1 ft – 68.9 ft

* Main boom angle 87°

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

 496,000 lb  36.1 – 68.9 ft  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5									
 354.3 ft +  196.9 ft									
 SWSL_1 SFSL_1 SFSL_3 SFSL_4 0 lb 0 lb – 716.6 klb  87°/85°  87°/85° 75° 65° 55°  15°  15°  15°									
ft	1,000 lb								
75.5	113.5*	116.8*	-	-	-	-	-	-	-
78.7	112.4*	115.7*	-	-	-	-	-	-	-
85.3	111.3*	114.6*	-	-	-	-	-	-	-
91.9	110.2*	112.4*	-	-	-	-	-	-	-
98.4	111.3	114.6	-	-	-	-	-	-	-
111.5	108.9	110.2	-	-	-	109.8	169.8	179.7	-
124.7	105.6	107.1	-	-	-	108.8	169.8	179.3	-
137.8	101.6	103.0	-	-	-	107.6	169.8	178.6	-
150.9	97.7	98.3	-	-	-	105.2	168.3	177.1	-
164.0	93.5	93.9	-	-	-	102.7	166.4	174.9	-
177.2	89.3	89.7	-	-	-	100.3	164.2	172.0	-
187.0	86.3	86.6	96.8	-	-	98.1	162.6	170.3	-
190.3	85.3	85.5	96.3	-	-	97.4	162.0	169.8	-
203.4	78.0	81.8	94.4	-	-	94.1	159.5	166.8	-
216.5	73.6*	78.3	91.1	-	-	90.6	156.5	163.1	-
226.4	64.8	76.1	88.2	-	-	88.0	154.3	160.9	-
229.7	-	-	87.3	-	-	87.1	153.6	160.2	-
242.8	-	-	83.1	-	-	83.2	149.2	155.4	-
255.9	-	-	78.9	-	-	78.9	143.3	148.8	-
269.0	-	-	74.7	-	-	74.7	137.4	141.5	-
282.2	-	-	70.3	69.4	-	70.5	131.2	133.9	-
288.7	-	-	68.1	68.3	-	68.3	127.9	130.1	-
295.3	-	-	-	67.0	-	66.1	125.7	126.8	-
308.4	-	-	-	62.8	-	61.9	119.0	119.4	-
321.5	-	-	-	59.1	-	57.6	111.7	111.6	-
334.6	-	-	-	55.1	-	53.4	103.6	103.2	-
347.8	-	-	-	50.9	-	48.9	94.8	92.6	-
360.9	-	-	-	-	43.2	44.5	86.0	83.2	-
374.0	-	-	-	-	40.1	40.3	77.2	75.0	-
387.1	-	-	-	-	37.3	36.1	68.5	66.8	-
400.3	-	-	-	-	33.1	31.9	60.3	58.5	-
413.4	-	-	-	-	-	27.8	52.0	50.3	-
426.5	-	-	-	-	-	23.1	44.3	42.3	-
439.6	-	-	-	-	-	17.9	36.8	34.7	-
452.8	-	-	-	-	-	12.8	29.3	27.3	-
462.6	-	-	-	-	-	8.8	24.2	22.2	-
465.9	-	-	-	-	-	-	22.5	20.4	-
479.0	-	-	-	-	-	-	15.9	13.8	-
488.8	-	-	-	-	-	-	11.2	9.0	-
492.1	-	-	-	-	-	-	9.7	-	-

 354.3 ft +  236.2 ft									
 SFSL_3 SFSL_4 0 lb 0 lb – 716.6 klb  15°  15°  15°									
ft	1,000 lb								
124.7	124.6	131.2	138.9	-	-	-	-	-	-
137.8	111.3	131.2	137.8	-	-	-	-	-	-
150.9	93.5	130.4	137.1	-	-	-	-	-	-
164.0	75.8	129.3	136.0	-	-	-	-	-	-
177.2	58.2	127.9	134.5	-	-	-	-	-	-
190.3	43.5	126.4	132.3	-	-	-	-	-	-
203.4	30.2	124.6	130.1	-	-	-	-	-	-
216.5	18.3	122.4	127.9	-	-	-	-	-	-
226.4	10.6	121.3	126.8	-	-	-	-	-	-
229.7	-	120.5	126.0	-	-	-	-	-	-
242.8	-	117.9	123.5	-	-	-	-	-	-
255.9	-	115.7	121.3	-	-	-	-	-	-
269.0	-	112.1	116.5	-	-	-	-	-	-
282.2	-	108.5	112.4	-	-	-	-	-	-
295.3	-	104.7	108.0	-	-	-	-	-	-
308.4	-	100.8	103.3	-	-	-	-	-	-
321.5	-	96.7	98.6	-	-	-	-	-	-
334.6	-	92.6	93.9	-	-	-	-	-	-
347.8	-	88.6	89.2	-	-	-	-	-	-
360.9	-	83.2	83.0	-	-	-	-	-	-
374.0	-	76.3	75.2	-	-	-	-	-	-
387.1	-	68.3	66.4	-	-	-	-	-	-
400.3	-	60.8	59.2	-	-	-	-	-	-
413.4	-	53.4	52.0	-	-	-	-	-	-
426.5	-	46.2	44.4	-	-	-	-	-	-
439.6	-	39.1	37.3	-	-	-	-	-	-
452.8	-	32.2	30.2	-	-	-	-	-	-
465.9	-	25.7	23.6	-	-	-	-	-	-
479.0	-	19.2	17.0	-	-	-	-	-	-
492.1	-	13.0	11.0	-	-	-	-	-	-
495.4	-	11.6	9.5	-	-	-	-	-	-
498.7	-	10.1	-	-	-	-	-	-	-

 0 lb
  143,300 lb
  275,600 lb
  363,800 lb

 452,000 lb
  540,200 lb
  628,400 lb
  716,600 lb

SWSL_1:  36.1 ft – 62.3 ft

SWSL_3/SFSL_3, SWSL_4/SFSL_4:  36.1 ft – 68.9 ft

* Main boom angle 87°

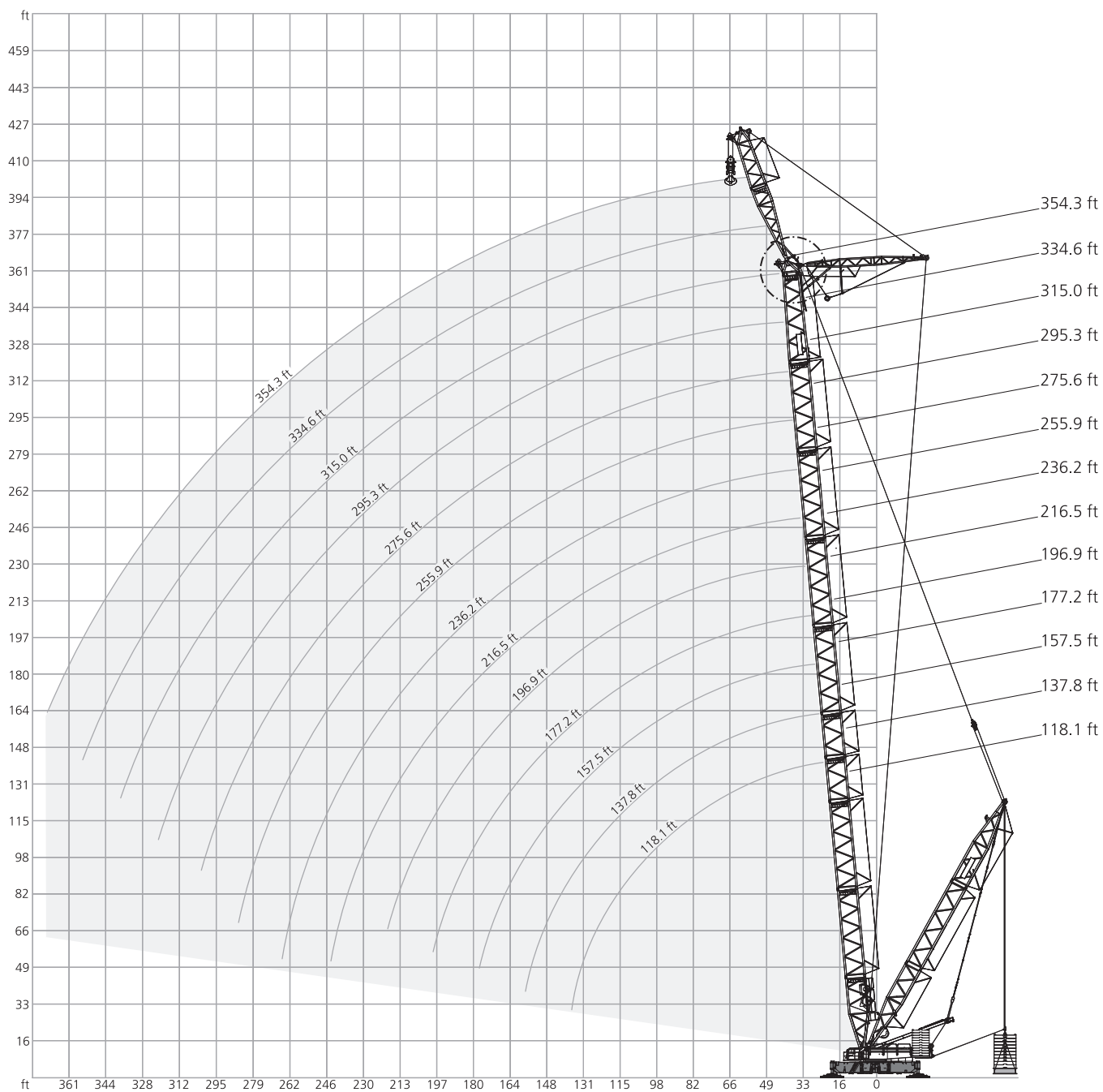
Main boom angle 87°, 85°, 75°, 65° and 55°, capacities for intermediate boom positions are calculated by the crane control system IC-1

 496,000 lb		 36.1 – 68.9 ft		 39.4 ft x 39.4 ft		 32.2 ft/s		360°		ASME B30.5					
 354.3 ft +  275.6 ft															
		SFSL_3		SFSL_4											
		0 lb		0 lb – 716.6 klb											
		 15°		 15°		 15°									
ft		1,000 lb													
137.8	94.4	99.9	104.9												
150.9	87.0	99.4	104.4												
164.0	76.0	98.8	103.6												
177.2	60.8	98.1	102.7												
190.3	45.9	96.8	101.2												
203.4	32.3	95.4	99.7												
216.5	20.1	93.9	98.1												
229.7	9.7	92.4	96.3												
242.8	-	90.6	94.4												
255.9	-	88.8	92.4												
269.0	-	87.1	90.5												
282.2	-	84.8	88.1												
295.3	-	82.2	85.3												
308.4	-	79.7	82.4												
321.5	-	77.2	79.4												
334.6	-	74.5	76.3												
347.8	-	71.9	73.4												
360.9	-	69.3	70.3												
374.0	-	66.8	67.2												
387.1	-	63.3	63.3												
400.3	-	58.1	57.8												
413.4	-	51.4	50.9												
426.5	-	44.9	44.2												
439.6	-	38.6	37.6												
452.8	-	32.4	31.1												
465.9	-	26.5	24.9												
479.0	-	20.5	18.8												
492.1	-	14.8	13.0												



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

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



* Attachable

 496,000 lb  36.1-68.9 ft  59 ft  15°  39.4 ft x 39.4 ft  32.2 ft/s 360° ASME B30.5													
 118.1 ft  137.8 ft  157.5 ft  177.2 ft  196.9 ft													
  0 lb  716.6 klb  0 lb  716.6 klb  0 lb  0 lb - 716.6 klb  0 lb  0 lb - 716.6 klb  0 lb  0 lb - 716.6 klb  0 lb  0 lb - 716.6 klb													
ft	1,000 lb												
45.9	-	-	438.7	765.0	418.9	765.0	765.0	-	-	-	-	-	-
49.2	-	-	405.7	765.0	388.0	765.0	765.0	372.6	765.0	765.0	357.1	736.3	765.0
52.5	-	-	377.0	765.0	361.6	765.0	765.0	346.1	765.0	765.0	332.9	736.3	765.0
59.1	-	-	328.5	765.0	315.3	765.0	765.0	304.2	765.0	765.0	291.0	734.1	765.0
65.6	-	-	291.0	765.0	277.8	765.0	765.0	266.8	765.0	765.0	255.7	720.9	765.0
72.2	-	-	255.7	765.0	246.9	765.0	765.0	238.1	765.0	765.0	227.1	712.1	765.0
78.7	-	-	222.7	765.0	220.5	758.4	765.0	213.8	754.0	765.0	203.9	705.5	765.0
82.0	212.7	738.5	210.0	735.2	207.2	729.7	761.7	202.3	725.3	759.5	194.0	698.9	757.3
85.3	199.5	709.9	197.3	705.5	194.0	701.1	758.4	190.7	696.7	754.0	184.1	692.3	749.6
91.9	178.6	657.0	175.3	652.6	172.0	646.0	705.5	168.7	641.5	701.1	165.3	639.3	694.5
98.4	159.8	608.5	156.5	604.1	153.2	599.7	654.8	149.9	595.2	650.4	146.6	590.8	646.0
111.5	131.9	520.3	128.6	530.6	125.3	526.2	575.4	122.1	521.8	571.0	119.1	517.4	566.6
124.7	108.9	439.5	105.5	465.2	101.7	461.5	505.6	98.3	457.8	501.2	95.2	453.4	496.8
137.8	90.8	366.0	87.1	407.9	82.5	405.7	445.3	78.3	403.4	440.9	74.7	399.0	436.5
150.9	77.0	308.6	72.7	349.1	68.0	363.0	399.8	63.7	359.4	396.8	59.9	356.4	392.4
164.0	64.4	252.1	60.2	298.4	55.4	321.1	351.3	51.0	321.1	357.1	47.0	318.2	352.7
167.3	61.5	238.1	57.5	287.7	52.7	310.9	338.4	48.3	313.1	348.3	44.2	309.7	343.9
177.2	-	-	49.6	255.7	44.5	280.0	304.2	40.1	288.8	321.9	35.9	284.4	317.5
183.7	-	-	45.2	240.3	40.4	259.4	283.7	35.9	274.1	302.8	31.7	271.9	303.5
190.3	-	-	-	-	36.3	241.8	263.1	31.7	259.4	283.7	27.4	259.4	289.5
200.1	-	-	-	-	30.4	218.3	235.9	25.9	235.9	255.0	21.5	240.9	267.9
203.4	-	-	-	-	-	-	-	24.3	227.1	245.4	19.8	234.8	260.1
216.5	-	-	-	-	-	-	-	17.6	200.6	216.1	13.0	210.5	229.3
223.1	-	-	-	-	-	-	-	-	-	-	10.1	195.1	213.4
229.7	-	-	-	-	-	-	-	-	-	-	-	182.6	201.9
232.9	-	-	-	-	-	-	-	-	-	-	-	178.6	196.2

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LVSL_1:  36.1 ft – 62.3 ft

LVSL_3, LVSL_4:  36.1 ft – 68.9 ft

496,000 lb 36.1-68.9 ft 59 ft 15° 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5																						
216.5 ft					236.2 ft					246.1 ft			255.9 ft				265.8 ft					
LVSL_1		LVSL_3	LVSL_4		LVSL_1		LVSL_3	LVSL_4		LVSL_3	LVSL_4		LVSL_1		LVSL_3	LVSL_4		LVSL_3	LVSL_4			
0 lb		0 lb -716.6 klb			0 lb		0 lb -716.6 klb						0 lb		0 lb -716.6 klb							
ft					1,000 lb																	
52.5	319.7	648.2	765.0	765.0	306.4	577.6	692.3	692.3	-	-	-	-	-	-	-	-	-	-	-	-	-	
55.8	299.8	648.2	765.0	765.0	286.6	577.6	692.3	692.3	681.2	692.3	275.6	478.4	650.4	676.8	617.3	619.5						
59.1	280.0	648.2	765.0	765.0	269.0	577.6	692.3	692.3	681.2	692.3	257.9	478.4	650.4	676.8	615.1	619.5						
65.6	246.9	648.2	765.0	765.0	235.9	577.6	692.3	692.3	674.6	692.3	229.3	478.4	648.2	676.8	612.9	619.5						
72.2	220.5	639.3	765.0	765.0	210.5	577.6	692.3	692.3	668.0	687.8	202.8	476.2	641.5	672.4	610.7	619.5						
78.7	197.3	632.7	758.4	765.0	187.4	571.0	692.3	692.3	661.4	683.4	180.8	471.8	637.1	665.8	606.3	619.5						
85.3	176.4	626.1	745.2	743.0	168.7	564.4	692.3	692.3	657.0	676.8	162.0	467.4	632.7	659.2	601.9	619.5						
91.9	158.7	619.5	692.3	690.0	151.0	560.0	687.8	683.4	652.6	672.4	145.5	463.0	623.9	648.2	595.2	617.3						
98.4	143.3	588.6	641.5	641.5	136.7	553.4	639.3	634.9	632.7	628.3	131.2	458.6	615.1	626.1	586.4	610.7						
111.5	116.8	515.1	562.2	560.7	112.6	500.4	558.5	555.6	551.9	549.0	108.2	443.9	547.5	549.7	533.5	538.7						
124.7	93.3	451.2	493.1	491.6	90.2	447.5	488.7	486.5	482.8	479.9	87.3	420.3	485.0	482.8	477.7	474.0						
137.8	72.5	396.8	434.3	434.3	69.4	394.6	429.9	427.7	425.5	421.1	68.3	392.4	427.7	425.5	418.9	416.7						
150.9	57.7	354.2	388.7	388.7	54.5	352.0	384.3	382.1	379.9	377.0	53.2	349.8	382.1	379.9	374.8	372.6						
164.0	44.7	316.0	349.1	349.1	41.3	313.8	344.7	342.5	340.2	338.0	40.0	312.3	341.7	339.5	335.8	333.6						
177.2	33.5	282.2	315.3	315.3	30.0	280.0	310.9	308.6	306.4	304.2	28.7	280.0	306.4	304.2	302.0	299.8						
190.3	24.8	257.2	287.3	287.3	21.2	253.5	282.9	280.7	278.5	276.3	19.7	253.5	280.0	277.8	274.1	271.9						
203.4	17.0	234.4	262.4	261.6	13.1	230.4	257.9	255.7	253.5	251.3	11.5	228.5	255.7	252.8	249.1	246.5						
206.7	15.3	229.3	256.8	255.7	11.3	225.4	252.4	250.2	248.0	245.8	9.7	222.7	250.2	246.9	243.6	240.7						
210.0	13.6	224.1	251.3	249.9	9.5	220.5	246.9	244.7	242.5	240.3	-	218.3	244.7	241.0	238.1	235.0						
216.5	10.1	213.8	240.3	238.1	-	210.5	235.9	233.7	231.5	229.3	-	209.4	233.7	229.3	227.1	224.9						
229.7	-	194.0	213.8	212.4	-	193.6	217.5	213.8	212.7	210.5	-	192.5	213.8	211.6	208.7	206.5						
242.8	-	170.9	188.1	186.3	-	176.4	196.6	193.3	194.4	191.8	-	176.7	196.9	194.7	191.8	189.6						
252.6	-	155.4	172.0	170.9	-	163.1	178.9	175.6	180.0	176.9	-	165.7	184.8	182.6	180.2	178.0						
255.9	-	-	-	-	-	158.7	173.1	169.8	175.3	172.0	-	162.0	180.8	178.6	176.4	174.2						
269.0	-	-	-	-	-	137.8	155.4	151.0	152.9	149.9	-	146.6	159.5	156.5	158.0	155.8						
278.9	-	-	-	-	-	-	-	-	141.1	137.8	-	133.7	143.3	140.0	143.9	141.5						
282.2	-	-	-	-	-	-	-	-	-	-	-	128.6	140.0	136.3	138.9	136.5						
285.4	-	-	-	-	-	-	-	-	-	-	-	123.5	136.7	133.4	133.9	131.4						
295.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124.6	121.3						


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

LVSL_1:  36.1 ft – 62.3 ft

LVSL_3, LVSL_4:  36.1 ft – 68.9 ft

496,000 lb 36.1-68.9 ft 59 ft 15° 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5																	
	275.6 ft					285.5 ft		295.3 ft				305.1 ft		315.0 ft			
	LVSL_1		LVSL_3	LVSL_4	LVSL_3	LVSL_4	LVSL_1		LVSL_3	LVSL_4	LVSL_3	LVSL_4	LVSL_1		LVSL_3	LVSL_4	
	0 lb		0 lb - 716.6 klb					0 lb		0 lb - 716.6 klb				0 lb		0 lb - 716.6 klb	
ft								1,000 lb									
55.8	264.6	432.1	599.7	619.5	-	-	-	-	-	-	-	-	-	-	-	-	
59.1	246.9	432.1	599.7	619.5	568.8	595.2	238.1	385.8	540.1	544.5	509.3	537.9	227.1	346.1	491.6	520.3	
65.6	219.4	429.9	597.5	619.5	566.6	593.0	209.4	385.8	537.9	544.5	509.3	533.5	199.5	346.1	491.6	518.1	
72.2	194.0	427.7	595.2	619.5	562.2	590.8	185.2	381.4	533.5	544.5	507.1	531.3	176.4	343.9	491.6	513.7	
78.7	173.1	423.3	588.6	615.1	555.6	584.2	165.3	379.2	531.3	544.5	502.7	526.9	156.5	341.7	485.0	513.7	
85.3	154.3	418.9	584.2	608.5	551.2	579.8	146.6	374.8	526.9	544.5	496.0	524.7	138.9	337.3	482.8	507.1	
91.9	137.8	414.5	577.6	604.1	549.0	575.4	131.2	370.4	520.3	544.5	496.0	520.3	123.5	332.9	480.6	502.7	
98.4	123.5	410.1	571.0	597.5	544.5	568.8	116.8	366.0	515.9	542.3	491.6	513.7	110.2	328.5	474.0	498.2	
111.5	101.3	396.8	531.3	537.2	513.7	521.8	95.1	355.7	496.8	510.7	474.0	491.6	88.6	318.2	459.3	482.1	
124.7	81.7	381.4	482.1	478.4	471.8	469.6	76.0	343.9	466.6	470.3	449.0	457.1	69.7	307.2	441.7	454.9	
137.8	64.8	368.2	423.3	421.1	414.5	412.3	59.5	330.7	421.1	418.9	407.9	405.7	53.4	295.4	412.3	412.3	
150.9	50.0	340.2	379.2	377.0	370.4	368.2	46.6	316.0	377.0	374.8	365.2	363.0	40.7	282.2	371.1	369.6	
164.0	36.8	309.4	339.5	337.3	331.4	329.2	34.4	296.9	337.3	335.1	327.0	324.1	29.4	269.7	332.9	330.7	
177.2	25.4	275.6	304.2	302.0	297.6	295.4	22.9	273.4	302.0	299.8	293.2	288.8	19.4	257.9	297.6	295.4	
190.3	16.4	250.6	276.3	274.1	269.7	267.5	13.8	248.4	272.6	270.4	265.3	262.4	9.9	244.7	269.7	267.5	
196.9	11.9	238.1	262.4	260.1	255.7	253.5	9.3	235.9	257.9	255.7	251.3	249.1	-	231.5	255.7	253.5	
200.1	9.9	231.5	256.8	254.6	250.2	248.0	-	230.6	252.6	250.2	244.7	243.6	-	226.3	249.1	246.9	
203.4	-	226.4	251.3	249.1	244.7	242.5	-	225.2	247.4	244.7	239.4	238.1	-	221.2	242.5	241.6	
216.5	-	206.1	229.3	227.1	222.7	220.5	-	203.9	224.9	224.9	218.3	216.1	-	200.6	222.7	220.5	
229.7	-	189.2	209.4	208.0	204.3	202.1	-	187.0	206.5	205.8	199.9	197.7	-	183.7	203.6	201.4	
242.8	-	173.4	192.5	190.3	187.0	185.2	-	171.2	189.6	188.1	182.6	180.8	-	167.9	185.9	183.7	
255.9	-	158.7	176.4	174.2	170.9	169.8	-	156.5	174.2	172.0	166.4	165.3	-	153.2	169.8	167.6	
269.0	-	147.0	162.4	159.5	157.6	155.8	-	144.2	160.2	157.3	153.2	151.0	-	140.4	155.8	153.4	
282.2	-	135.6	145.5	142.2	143.3	140.9	-	132.3	147.3	143.3	140.4	138.2	-	129.0	142.6	139.6	
295.3	-	117.9	125.7	122.4	125.7	122.4	-	121.3	132.3	129.0	127.9	125.7	-	117.9	130.1	125.7	
301.8	-	109.1	119.0	114.6	116.7	113.5	-	114.1	123.7	120.5	119.9	117.6	-	112.8	123.4	119.6	
308.4	-	-	-	-	111.4	106.4	-	107.0	115.1	112.1	112.0	109.5	-	107.7	116.7	113.5	
311.7	-	-	-	-	108.9	104.1	-	103.4	110.8	107.8	108.0	105.5	-	105.1	113.4	110.4	
321.5	-	-	-	-	-	-	-	91.7	99.2	95.0	96.1	93.4	-	95.4	102.2	99.6	
328.1	-	-	-	-	-	-	-	-	-	-	91.3	86.4	-	88.3	94.4	91.8	
334.6	-	-	-	-	-	-	-	-	-	-	-	-	-	81.1	86.6	84.0	
337.9	-	-	-	-	-	-	-	-	-	-	-	-	-	77.6	83.1	80.0	

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

LVSL_1:  36.1 ft – 62.3 ft

LVSL_3, LVSL_4:  36.1 ft – 68.9 ft

496,000 lb 36.1-68.9 ft 59 ft 15° 39.4 ft x 39.4 ft 32.2 ft/s 360° ASME B30.5													
324.8 ft		334.6 ft				344.5 ft			354.3 ft				
LVSL_3 LVSL_4		LVSL_1		LVSL_3	LVSL_4	LVSL_3	LVSL_4	LVSL_1		LVSL_3	LVSL_4		
0 lb -716.6 klb		0 lb		0 lb -716.6 klb					0 lb		0 lb -716.6 klb		
ft			1,000 lb								ft		
62.3	465.2	491.6	203.9	308.6	440.9	467.4	414.5	440.9	194.0	275.6	399.0	425.5	62.3
65.6	465.2	491.6	190.7	308.6	440.9	465.2	414.5	440.9	181.9	275.6	399.0	425.5	65.6
72.2	465.2	489.4	168.7	306.4	440.9	463.0	414.5	438.7	159.8	273.4	399.0	425.5	72.2
78.7	460.8	485.0	148.8	304.2	440.9	460.8	414.5	438.7	141.1	271.2	399.0	423.3	78.7
85.3	458.6	480.6	132.3	302.0	436.5	460.8	412.3	436.5	124.6	269.0	399.0	421.1	85.3
91.9	454.2	478.4	116.8	295.4	432.1	456.4	410.1	432.1	110.2	264.6	394.6	416.7	91.9
98.4	449.7	474.0	104.1	291.0	429.9	451.9	405.7	427.7	97.2	260.1	390.2	414.5	98.4
111.5	438.0	460.0	82.6	283.7	418.1	438.7	396.1	418.9	76.2	252.8	382.1	403.4	111.5
124.7	424.0	438.0	63.9	274.1	406.4	423.3	385.1	403.4	57.8	244.0	369.6	391.0	124.7
137.8	403.4	401.2	47.8	262.4	394.6	396.8	374.8	385.8	41.9	233.7	359.4	379.2	137.8
150.9	359.4	357.1	35.5	250.6	362.3	361.6	346.9	349.1	29.7	223.4	340.2	348.3	150.9
164.0	320.4	318.2	24.3	238.8	329.2	327.0	316.0	313.8	18.6	213.0	317.5	318.2	164.0
173.9	295.1	292.8	16.8	230.0	303.9	301.7	290.6	288.4	11.0	205.0	297.6	296.2	173.9
177.2	286.6	284.4	14.3	227.1	295.4	293.2	282.2	280.0	-	202.8	291.0	288.8	177.2
183.7	272.3	270.1	9.9	222.7	281.5	279.3	267.5	264.6	-	197.3	276.9	274.7	183.7
190.3	257.9	255.7	-	216.6	267.5	265.3	253.5	251.3	-	191.8	262.8	260.6	190.3
203.4	234.1	231.9	-	204.7	241.2	239.9	229.3	227.1	-	180.8	238.1	236.3	203.4
216.5	212.7	210.5	-	192.9	218.3	217.2	207.2	205.0	-	169.8	216.1	215.0	216.5
229.7	194.4	192.2	-	178.9	199.9	198.0	188.9	186.7	-	158.7	196.2	193.6	229.7
242.8	177.5	175.3	-	164.6	182.6	180.0	171.7	169.8	-	148.3	178.2	174.9	242.8
255.9	162.0	159.8	-	149.9	166.4	163.1	156.5	154.3	-	137.8	162.0	158.7	255.9
269.0	148.8	146.6	-	137.4	152.1	147.7	143.3	141.1	-	128.2	147.2	144.0	269.0
282.2	136.3	134.1	-	125.7	138.5	133.4	130.8	128.6	-	118.7	133.4	130.1	282.2
295.3	124.6	122.4	-	114.6	124.6	120.2	119.0	116.8	-	109.1	120.2	116.8	295.3
308.4	111.6	109.1	-	104.9	113.5	108.8	109.3	106.0	-	99.7	108.7	105.0	308.4
321.5	98.0	95.2	-	95.7	102.6	97.9	97.4	94.1	-	90.5	97.8	94.1	321.5
334.6	83.6	80.9	-	84.4	90.8	88.2	84.2	81.8	-	81.6	87.5	83.8	334.6
344.5	74.7	71.0	-	74.7	80.2	77.6	74.6	72.2	-	74.4	80.1	77.0	344.5
347.8	-	-	-	71.5	76.7	74.1	71.4	69.0	-	72.0	77.7	74.7	347.8
354.3	-	-	-	65.0	69.7	67.0	65.0	62.6	-	67.2	72.8	70.1	354.3
360.9	-	-	-	-	-	-	59.3	56.3	-	61.5	66.2	63.8	360.9
364.2	-	-	-	-	-	-	57.5	54.0	-	58.5	63.1	60.6	364.2
370.7	-	-	-	-	-	-	-	-	-	52.7	56.7	54.2	370.7

	0 lb	143,300 lb	275,600 lb	363,800 lb	452,000 lb	540,200 lb	628,400 lb	716,600 lb
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LVSL_1:  36.1 ft – 62.3 ft

LVSL_3, LVSL_4:  36.1 ft – 68.9 ft

Ratings are in compliance with EN 13000 and ASME B30.5.

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

Consult operation manual for further details.

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

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

PC center pot

Center pot	Consisting of center pot and 4 outriggers.
Outriggers	Bending- and torsion-resistant welded structure of pot type construction, fabricated of high-strength fine-grain structural steel.
Support bases	Bending-resistant welded structure of high-strength fine grain structural steel. The outriggers are consisting of two parts each: connection part of fixed length and telescopic part to adjust outriggers to one of three support bases. The telescopic part can be folded for easy transport at job site.
Outrigger mats	39.4 ft x 39.4 ft 45.9 ft x 45.9 ft 52.5 ft x 52.5 ft
	The standard outrigger mat dimensions are 7.6 ft x 7.6 ft (17.4 ft ²). There is sufficient clearance between these mats at a support base of 39.4 ft x 39.4 ft and the superlift tray at 36.1 ft superlift radius. Bigger mats are available as an option. The superlift tray must be lifted above those mats in some cases.

Superstructure

Counterweight	496,000 lb counterweight on superstructure. Steel box type. Options in block weights 16,500 lb, 22,050 lb.
Total weight	Approx. 750,000 lb, incl. 496,000 lb counterweight, 78.7 ft SH_1 boom and hook block.
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 IIIA / EPA Tier 3 regulations. Fuel tank capacity: 317 gallons.
Rope drums	The standard superstructure equipment includes three rope drums – hoist 1, 2 and boom hoist. The drums are powered by hydraulic motors through closed planetary gear units running in oil bath. All rope drums have spring-applied, hydraulically released multi-disk brakes and non-wearing hydraulic braking for load lowering. Rope ends H 1, 2, 3 and W 1, 2 equipped with quick-connect rope end-fittings. All winches are removable to minimise weight for transportation.
A-frame	Hydraulic raising systems for A-frame as standard. A-frame, boom hoist and sheave sets for boom hoist can be dismantled as one single transport unit to minimise transport weight. Dismantling of hoist 1 and 2 possible without removing A-frame first.
Slew unit	Powered by hydraulic motors through 2 closed, planetary gear units running in oil bath. Spring-applied, hydraulically released holding brakes and non-wearing hydraulic braking. Slew speed infinitely variable 0-1 rpm.
Control system	IC-1: Electronic proportional valve pilot control integrated in stored-program control system incl. diagnostic system. Two monitors with colour displays, load moment indicator operated via a touch screen. Working speeds infinitely variable controlled by the lever position. Automatic power control for optimal utilisation of engine output; emergency control systems. Additional functions: • Infinitely variable position of Superlift counterweight with the optional adjustable Superlift system 36.1 - 62.3 ft • Infinitely variable position of main boom angle in SWSL configuration 55-87° (65-87° in SW configuration) • Working area limitation • Diagnosis and troubleshooting • User defined joystick mode The crane is controlled by joystick levers ergonomically positioned in the crane cab. Wireless rigging remote control. Wireless emergency remote control.
Cab	Comfortable cab with large windscreen and air condition. Shatterproof-glazing all around, roof window, self-contained hot air heater, full instrumentation and crane controls. Infinitely adjustable operator seat, emergency seat, multiple storage areas, 12-V power plug. The cab can be tilted back for improved operator view of boom point. A camera system is installed to monitor the rope drums. Front window can be opened. Dashboard can be adjusted for optimum ergonomics and view. Front wiper with resting position outside of window area for optimum view. For transportation, the cab swings hydraulically in front of the superstructure to minimise width.
Electrical equipment	24 V DC. system (2 x batteries 12 V, 200 Ah).
Operator aids	Load moment indicator integrated in IC-1 control (load moment, radius, angles, engine and hydraulic system monitoring), hoist limit switch, limit switches for boom movements, hydraulic boom backstop, position light, anemometer.

Boom Combinations

See page 16-23.

Optional equipment

Hydraulic quick connection

Outrigger pads 19.7 ft x 7.9 ft 47.3 ft² instead of standard mats of 17.4 ft². To reduce ground pressure.

Alternative counterweight slabs Made of cast iron (less in height than standard steel box slabs).

Counterweight arrangements Composition of 22,050 lb + 16,540 lb or 22,050 lb + 33,080 lb.

SL counterweight plates Up to 772,000 lb consisting of standard plates 22,050 lb or 22,050 lb and 16,540 lb mixed, steel box or cast iron.

Adapters for axle lines Adapters for road transport of center pot and superstructure with axle lines (Faymonville, Goldhofer, Scheuerle) or for job site transport with SPMT.

Hydraulic cylinder on A-frame For self-assembly of boom.

Hydraulic cylinder with or without hydraulic unit For boom pinning.

Boom Booster Kit Consists of 2 x 39.4 ft adapter sections and up to 7 x 39.4 ft inserts. Available in length 78.7 ft, 157.5 ft, 196.9 ft, 275.6 ft, 354.3 ft. Extension of Superlift mast from 118.1 ft to 129.6 ft or 137.8 ft.

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

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

Standard SL 118.1 ft Superlift mast incl. hoist W2. SL pendant bars, mast back stop cylinders, SL tray. Superlift counterweight 0 lb at radius 29.5 ft or 0 lb – 716,600 lb on counterweight tray at fixed radii 36.1 ft, 42.6 ft, 49.2 ft, 55.8 ft and 62.3 ft.

Variable SL Variable 118.1 ft Superlift mast (see Standard SL). Additional vertical hydraulic cylinders and stabilisation winch on superstructure (prevents weaving of counterweight especially when traveling and slewing). Height compensation using the cylinders, lifting across obstacles possible to a certain extent. Superlift counterweight 0 lb at radius 29.5 ft or 0 lb – 716,600 lb on counterweight tray, indefinitely variable from 36.1 ft – 62.3 ft.

SL counterweight carrier Superlift mast (see Standard SL). Telescopic frame and counterweight carrier for total weight of 716,600 lb, with 4 wheels / 2 axles (driven and steered – full manoeuvrability for slewing, trailing, and parallel modes). Superlift counterweight 88,200 lb – 716,600 lb on counterweight carrier with fixed mast radius approx. 52.5 ft; infinitely adjustable from 55.8 ft – 62.3 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 19,000 lb. Mounted on boom head and boom / jib top. Operation by hoist rope 3 (see variable SL).

Runner for LF standard Max. lifting capacity 39,700 lb. Operated by hoist 3.

Special LF linkage head Without sheave set for higher lifting capacities when using LF.

9.8 ft intermediate section For 9.8 ft-intermediate lengths.

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