

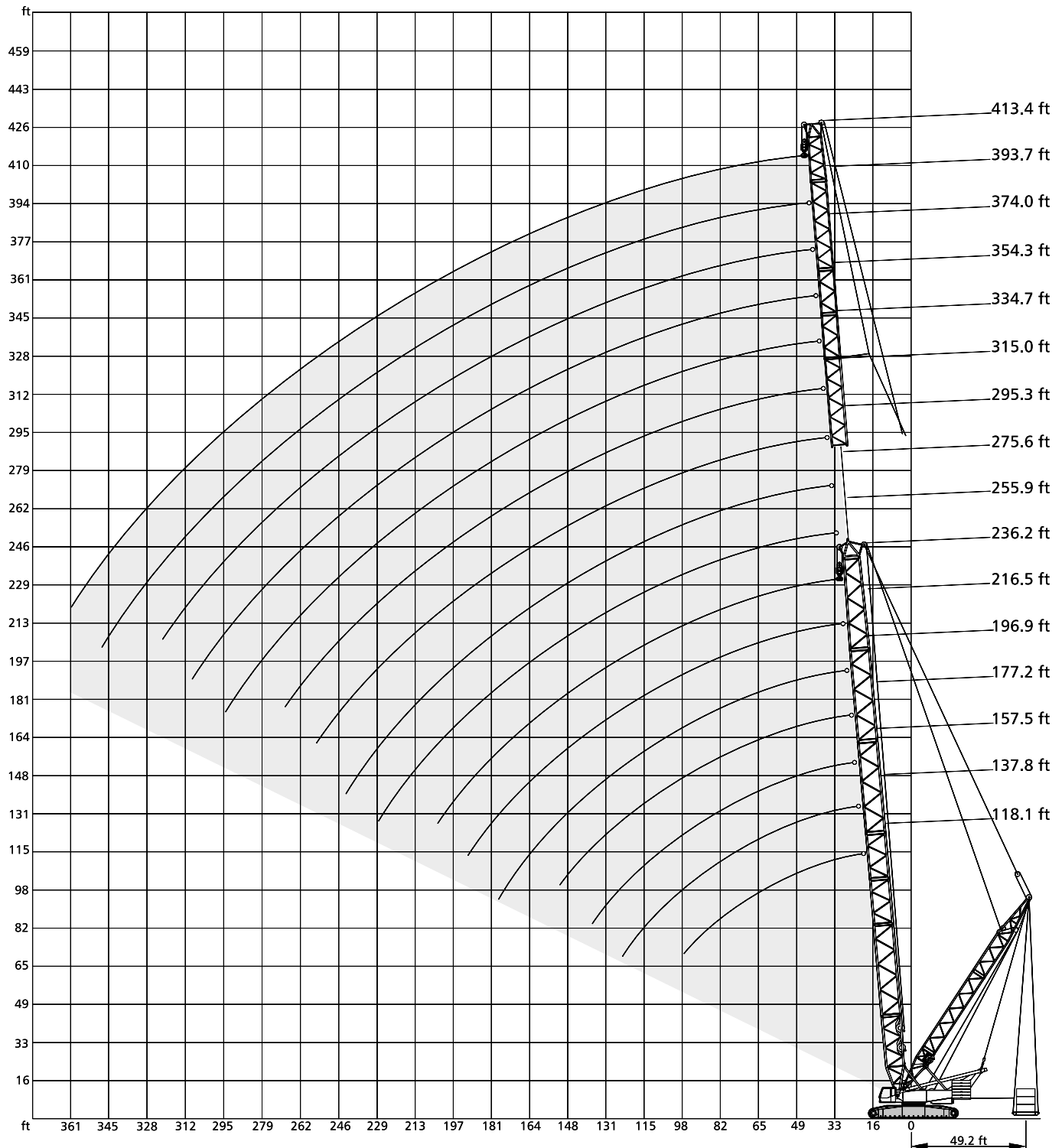


LIFTING CHARTS - Crawler Cranes

DEMAG MODEL CC 2500 - 500 TON CAPACITY

Working ranges main boom with Superlift

SSL, SSL/LSL



Lifting capacities main boom with Superlift

309,000 lb*  25.6 ft SL-Radius 49.2 ft 360° DIN/ISO

118.1 ft Main boom

	Radius	0	132.3	264.6	396.8	507.1	551.2
	ft			1,000 lb			
	23	784.8	992.1 ¹⁾	-	-	-	992.1 ¹⁾
	26	747.4	939.2 ¹⁾	992.1 ¹⁾	-	-	992.1 ¹⁾
	29	657.0	840.0	989.9 ¹⁾	-	-	992.1 ¹⁾
	33	544.5	758.4	895.1 ¹⁾	-	-	992.1 ¹⁾
	39	403.4	628.3	749.6	864.2	-	961.2 ¹⁾
	46	317.5	498.2	643.8	743.0	-	824.5
	52	260.1	412.3	562.2	650.4	723.1	723.1
SSL	59	220.5	350.5	478.4	577.6	641.5	641.5
	65	189.6	302.0	416.7	518.1	577.6	577.6
	72	165.3	266.8	368.2	467.4	524.7	524.7
	79	147.7	238.1	328.5	418.9	480.6	480.6
	85	132.3	213.8	295.4	379.2	429.9	429.9
	92	119.0	194.0	269.0	346.1	379.2	379.2
	98	108.0	178.6	246.9	317.5	-	335.1

177.2 ft Main boom

	Radius	0	132.3	264.6	396.8	507.1	551.2
	ft			1,000 lb			
	29	652.6	773.8	-	-	-	795.9
	33	540.1	747.4	789.3	-	-	795.9
	39	396.8	623.9	738.5	-	-	795.9
	46	313.1	493.8	632.7	734.1	-	795.9
	52	255.7	405.7	553.4	641.5	714.3	714.3
	59	213.8	343.9	471.8	568.8	632.7	632.7
	65	183.0	295.4	410.1	509.3	568.8	568.8
SSL	72	158.7	260.1	361.6	460.8	515.9	515.9
	79	141.1	231.5	321.9	412.3	469.6	469.6
	85	123.5	207.2	288.8	372.6	432.1	432.1
	92	112.4	187.4	262.4	339.5	399.0	399.0
	98	101.4	169.8	240.3	310.9	368.2	368.2
	111	83.8	143.3	205.0	264.6	315.3	315.3
	124	70.5	123.5	176.4	229.3	275.6	275.6
	138	59.5	108.0	154.3	202.8	242.5	242.5
	151	50.7	94.8	138.9	180.8	211.6	211.6

137.8 ft Main boom

	ft			1,000 lb			
	26	767.2	934.8 ¹⁾	992.1 ¹⁾	-	-	992.1 ¹⁾
	29	654.8	835.6	985.5 ¹⁾	-	-	992.1 ¹⁾
	33	542.3	754.0	890.7 ¹⁾	-	-	992.1 ¹⁾
	39	401.2	626.1	745.2	859.8	-	956.8 ¹⁾
	46	315.3	496.0	639.3	738.5	-	822.3
	52	257.9	410.1	557.8	646.0	718.7	718.7
	59	218.3	346.1	476.2	573.2	639.3	639.3
SSL	65	187.4	299.8	412.3	515.9	573.2	573.2
	72	163.1	264.6	363.8	465.2	520.3	520.3
	79	143.3	233.7	326.3	416.7	476.2	476.2
	85	127.9	211.6	293.2	377.0	438.7	438.7
	92	114.6	191.8	266.8	341.7	405.7	405.7
	98	103.6	174.2	244.7	315.3	372.6	372.6
	111	88.2	147.7	209.4	269.0	304.2	304.2
	124	75.0	127.9	180.8	235.9	-	244.7

196.9 ft Main boom

	ft			1,000 lb			
	33	537.9	665.8	-	-	-	679.0
	39	396.8	621.7	679.0	-	-	679.0
	46	310.9	491.6	630.5	679.0	-	679.0
	52	253.5	403.4	551.2	637.1	-	679.0
	59	211.6	341.7	471.8	564.4	630.5	630.5
	65	180.8	295.4	407.9	507.1	566.6	566.6
	72	156.5	257.9	359.4	458.6	511.5	511.5
SSL	79	138.9	229.3	319.7	410.1	467.4	467.4
	85	123.5	205.0	286.6	370.4	429.9	429.9
	92	110.2	185.2	260.1	337.3	396.8	396.8
	98	99.2	167.6	238.1	308.6	366.0	366.0
	111	81.6	141.1	202.8	262.4	313.1	313.1
	124	68.3	121.3	174.2	227.1	273.4	273.4
	138	57.3	105.8	152.1	200.6	240.3	240.3
	151	48.5	92.6	134.5	178.6	213.8	213.8
	164	41.9	81.6	121.3	160.9	194.0	194.0
	177	35.3	72.8	110.2	145.5	167.6	167.6

157.5 ft Main boom

	ft			1,000 lb			
	26	762.8	890.7 ¹⁾	-	-	-	908.3 ¹⁾
	29	652.6	831.1	908.3 ¹⁾	-	-	908.3 ¹⁾
	33	540.1	749.6	886.3 ¹⁾	-	-	908.3 ¹⁾
	39	399.0	623.9	740.8	857.6	-	908.3 ¹⁾
	46	313.1	493.8	634.9	736.3	-	817.9
	52	255.7	407.9	555.6	643.8	716.5	716.5
	59	216.1	343.9	474.0	571.0	634.9	634.9
	65	185.2	297.6	410.1	511.5	571.0	571.0
	72	160.9	262.4	361.6	463.0	518.1	518.1
SSL	79	141.1	231.5	324.1	414.5	471.8	471.8
	85	125.7	209.4	291.0	372.6	434.3	434.3
	92	112.4	189.6	264.6	339.5	401.2	401.2
	98	101.4	172.0	242.5	310.9	370.4	370.4
	111	83.8	145.5	205.0	266.8	317.5	317.5
	124	72.8	125.7	178.6	231.5	275.6	275.6
	138	61.7	110.2	156.5	205.0	227.1	227.1

216.5 ft Main boom

	ft			1,000 lb			
	33	537.9	568.8	-	-	-	593.0
	39	396.8	568.8	579.8	-	-	593.0
	46	310.9	491.6	579.8	-	-	593.0
	52	253.5	403.4	549.0	593.0	-	593.0
	59	211.6	341.7	469.6	564.4	-	593.0
	65	180.8	293.2	407.9	504.9	564.4	564.4
	72	156.5	257.9	359.4	456.4	511.5	511.5
	79	136.7	229.3	319.7	410.1	467.4	467.4
	85	121.3	205.0	286.6	370.4	427.7	427.7
SSL	92	108.0	185.2	260.1	335.1	394.6	394.6
	98	97.0	167.6	238.1	306.4	366.0	366.0
	111	79.4	141.1	200.6	262.4	313.1	313.1
	124	66.1	119.0	174.2	227.1	271.2	271.2
	138	55.1	103.6	152.1	200.6	240.3	240.3
	151	46.3	90.4	134.5	176.4	213.8	213.8
	164	39.7	79.4	119.0	158.7	191.8	191.8
	177	33.1	70.5	108.0	143.3	174.2	174.2
	190	28.7	63.9	97.0	132.3	156.5	156.5

Remarks

¹⁾ Duties > 881,800 lb only with auxiliary equipment

* with 66,000 lb central ballast

Lifting capacities main boom with Superlift

309,000 lb*  25.6 ft SL-Radius 49.2 ft 360° DIN/ISO

236.2 ft Main boom

	Radius	SL 					
		0	132.3	264.6	396.8	507.1	
	ft	1,000 lb					
	39	394.6	489.4	-	-	-	511.5
	46	308.6	489.4	500.4	-	-	511.5
	52	251.3	401.2	500.4	-	-	511.5
	59	209.4	339.5	469.6	511.5	-	511.5
	65	178.6	293.2	405.7	502.7	-	511.5
	72	154.3	255.7	357.1	454.2	509.3	509.3
	79	136.7	227.1	317.5	407.9	465.2	465.2
	85	121.3	202.8	284.4	368.2	425.5	425.5
	92	108.0	183.0	257.9	335.1	392.4	392.4
SSL	98	97.0	165.3	235.9	306.4	363.8	363.8
	111	79.4	138.9	200.6	260.1	310.9	310.9
	124	63.9	119.0	172.0	224.9	269.0	269.0
	138	52.9	101.4	149.9	198.4	238.1	238.1
	151	44.1	88.2	132.3	176.4	211.6	211.6
	164	37.5	77.2	116.8	156.5	189.6	189.6
	177	30.9	68.3	105.8	141.1	172.0	172.0
	191	26.5	61.7	94.8	130.1	156.5	156.5
	203	22.0	55.1	86.0	119.0	143.3	143.3

275.6ft Main boom

	Radius	SL 					
		0	132.3	264.6	396.8	507.1	
	ft	1,000 lb					
	39	363.8	366.0	-	-	-	377.0
	46	313.1	366.0	-	-	-	377.0
	52	255.7	366.0	-	-	-	377.0
	59	213.8	343.9	370.4	-	-	374.8
	65	183.0	295.4	366.0	-	-	370.4
	72	158.7	260.1	359.4	-	-	366.0
	79	138.9	229.3	319.7	361.6	-	361.6
	85	123.5	205.0	288.8	352.7	-	352.7
	92	110.2	185.2	262.4	337.3	-	337.3
SSL/LSL	98	99.2	169.8	238.1	308.6	-	321.9
	111	81.6	141.1	202.8	262.4	293.2	293.2
	124	68.3	121.3	174.2	227.1	266.8	266.8
	138	57.3	103.6	152.1	200.6	240.3	240.3
	151	46.3	90.4	134.5	178.6	213.8	213.8
	164	39.7	79.4	119.0	158.7	191.8	191.8
	177	33.1	70.5	108.0	143.3	174.2	174.2
	191	28.7	63.9	97.0	130.1	158.7	158.7
	203	24.3	57.3	88.2	119.0	143.3	143.3
	216	19.8	50.7	81.6	110.2	127.9	127.9
	230	15.4	46.3	75.0	101.4	114.6	114.6
	243	13.2	41.9	68.3	94.8	105.8	105.8

255.9 ft Main boom

	ft	1,000 lb				
	39	401.2	429.9	-	-	443.1
	46	313.1	429.9	-	-	443.1
	52	255.7	405.7	436.5	-	443.1
	59	213.8	343.9	436.5	-	443.1
	65	183.0	297.6	410.1	443.1	443.1
	72	158.7	260.1	361.6	443.1	443.1
	79	138.9	231.5	321.9	412.3	443.1
	85	123.5	207.2	288.8	370.4	427.7
	92	110.2	185.2	262.4	337.3	396.8
SSL/LSL	98	99.2	169.8	238.1	308.6	368.2
	111	81.6	141.1	202.8	262.4	313.1
	124	68.3	121.3	174.2	229.3	273.4
	138	57.3	105.8	152.1	200.6	240.3
	151	48.5	92.6	134.5	178.6	213.8
	164	39.7	81.6	121.3	160.9	194.0
	177	35.3	72.8	108.0	145.5	174.2
	191	28.7	63.9	97.0	132.3	158.7
	203	24.3	57.3	88.2	121.3	147.7
	216	19.8	52.9	81.6	110.2	134.5
	230	17.6	46.3	75.0	103.6	123.5

295.3 ft Main boom

	ft	1,000 lb				
	39	291.0	-	-	-	308.6
	46	286.6	291.0	-	-	302.0
	52	255.7	286.6	-	-	295.4
	59	213.8	282.2	-	-	291.0
	65	183.0	277.8	-	-	284.4
	72	158.7	260.1	275.6	-	280.0
	79	138.9	229.3	271.2	-	273.4
	85	123.5	205.0	264.6	-	269.0
	92	110.2	185.2	260.1	-	262.4
SSL/LSL	98	99.2	167.6	238.1	-	257.9
	111	81.6	141.1	200.6	244.7	244.7
	124	66.1	121.3	174.2	227.1	233.7
	138	55.1	103.6	152.1	198.4	222.7
	151	46.3	90.4	134.5	176.4	209.4
	164	39.7	79.4	119.0	158.7	191.8
	177	33.1	70.5	105.8	143.3	174.2
	191	26.5	61.7	97.0	130.1	158.7
	203	22.0	55.1	88.2	119.0	145.5
	216	17.6	50.7	79.4	108.0	134.5
	230	15.4	44.1	72.8	101.4	123.5
	243	13.2	39.7	66.1	92.6	114.6
	256	8.8	35.3	61.7	86.0	105.8

Remarks

Superlift mast 98.4 ft
* with 66,000 lb central ballast

Lifting capacities main boom with Superlift

309,000 lb*  25.6 ft SL-Radius 49.2 ft 360° DIN/ISO

315.0 ft Main boom

							
Radius	0	132.3	264.6	396.8	507.1	551.2	
ft	1,000 lb						
46	269.0	271.2	-	-	-	282.2	
52	255.7	271.2	-	-	-	282.2	
59	213.8	271.2	-	-	-	282.2	
65	183.0	271.2	-	-	-	282.2	
72	158.7	257.9	275.6	-	-	282.2	
79	138.9	229.3	275.6	-	-	280.0	
85	123.5	205.0	275.6	-	-	280.0	
92	110.2	185.2	260.1	-	-	277.8	
98	99.2	167.6	238.1	275.6	-	275.6	
111	79.4	141.1	200.6	262.4	-	269.0	
124	66.1	119.0	174.2	227.1	262.4	262.4	
SSL/LSL	138	55.1	103.6	152.1	198.4	238.1	
	151	46.3	90.4	134.5	176.4	213.8	
	164	37.5	79.4	119.0	158.7	191.8	
	177	30.9	70.5	105.8	143.3	172.0	
	191	26.5	61.7	94.8	130.1	156.5	
	203	22.0	55.1	86.0	119.0	143.3	
	216	17.6	48.5	79.4	108.0	132.3	
	230	13.2	44.1	72.8	99.2	123.5	
	243	11.0	39.7	66.1	92.6	114.6	
	256	8.8	35.3	61.7	86.0	105.8	
	269	6.6	30.9	55.1	79.4	99.2	

354.3 ft Main boom

							
Radius	0	132.3	264.6	396.8	507.1	551.2	
ft	1,000 lb						
46	196.2	-	-	-	-	205.0	
52	194.0	-	-	-	-	202.8	
59	191.8	194.0	-	-	-	202.8	
65	180.8	191.8	-	-	-	200.6	
72	156.5	189.6	-	-	-	196.2	
79	136.7	187.4	-	-	-	194.0	
85	121.3	185.2	-	-	-	191.8	
92	108.0	183.0	-	-	-	187.4	
98	97.0	167.6	183.0	-	-	185.2	
111	79.4	138.9	176.4	-	-	178.6	
124	63.9	119.0	169.8	-	-	172.0	
SSL/LSL	138	52.9	101.4	149.9	-	165.3	
	151	44.1	88.2	132.3	158.7	158.7	
	164	35.3	77.2	116.8	152.1	152.1	
	177	30.9	68.3	103.6	141.1	145.5	
	191	24.3	59.5	94.8	127.9	138.9	
	203	19.8	52.9	86.0	116.8	134.5	
	216	15.4	46.3	77.2	105.8	127.9	
	230	11.0	41.9	70.5	97.0	121.3	
	243	8.8	37.5	63.9	90.4	112.4	
	256	6.6	33.1	57.3	83.8	103.6	
	269	-	28.7	52.9	77.2	97.0	
	282	-	24.3	48.5	70.5	90.4	
	295	-	22.0	44.1	66.1	83.8	
	308	-	19.8	41.9	61.7	79.4	

334.7 ft Main boom

	ft	1,000 lb				
	46	227.1	-	-	-	238.1
	52	224.9	229.3	-	-	235.9
	59	213.8	227.1	-	-	233.7
	65	183.0	224.9	-	-	231.5
	72	156.5	222.7	-	-	229.3
	79	138.9	220.5	-	-	224.9
	85	121.3	205.0	220.5	-	222.7
	92	108.0	185.2	216.1	-	218.3
	98	97.0	167.6	213.8	-	216.1
	111	79.4	138.9	200.6	-	207.2
	124	66.1	119.0	172.0	200.6	200.6
SSL/LSL	138	55.1	103.6	149.9	191.8	191.8
	151	44.1	88.2	132.3	176.4	183.0
	164	37.5	77.2	116.8	156.5	176.4
	177	30.9	68.3	105.8	141.1	167.6
	191	24.3	61.7	94.8	127.9	156.5
	203	19.8	55.1	86.0	116.8	143.3
	216	17.6	48.5	77.2	108.0	132.3
	230	13.2	41.9	70.5	99.2	121.3
	243	11.0	37.5	63.9	90.4	112.4
	256	6.6	33.1	59.5	83.8	105.8
	269	-	28.7	55.1	77.2	97.0
	282	-	26.5	50.7	72.8	90.4
	295	-	24.3	46.3	68.3	86.0

374.0 ft Main boom

	ft	1,000 lb				
	46	165.3	-	-	-	174.2
	52	165.3	-	-	-	174.2
	59	163.1	-	-	-	172.0
	65	160.9	163.1	-	-	169.8
	72	154.3	160.9	-	-	167.6
	79	136.7	160.9	-	-	165.3
	85	121.3	158.7	-	-	163.1
	92	108.0	156.5	-	-	160.9
	98	97.0	154.3	-	-	158.7
	111	77.2	138.9	152.1	-	152.1
	124	63.9	116.8	145.5	-	147.7
SSL/LSL	138	52.9	101.4	141.1	-	141.1
	151	44.1	88.2	130.1	-	136.7
	164	35.3	77.2	116.8	130.1	130.1
	177	28.7	68.3	103.6	125.7	125.7
	191	24.3	59.5	92.6	121.3	121.3
	203	17.6	52.9	83.8	114.6	114.6
	216	15.4	46.3	77.2	105.8	110.2
	230	11.0	39.7	68.3	97.0	105.8
	243	6.6	35.3	63.9	88.2	101.4
	256	-	30.9	57.3	81.6	97.0
	269	-	26.5	52.9	77.2	94.8
	282	-	24.3	46.3	70.5	88.2
	295	-	19.8	44.1	66.1	83.8
	308	-	17.6	39.7	61.7	77.2
	321	-	15.4	35.3	57.3	72.8

Remarks

Superlift mast 98.4 ft
* with 66,000 lb central ballast

Lifting capacities main boom with Superlift

309,000 lb*  25.6 ft SL-Radius 49.2 ft 360° DIN/ISO

393.7 ft Main boom

							
	Radius	0	132.3	264.6	396.8	507.1	551.2
	ft	1,000 lb					
	52	141.1	-	-	-	-	149.9
	59	141.1	-	-	-	-	147.7
	65	138.9	-	-	-	-	147.7
	72	138.9	141.1	-	-	-	147.7
	79	134.5	141.1	-	-	-	147.7
	85	119.0	141.1	-	-	-	145.5
	92	105.8	141.1	-	-	-	145.5
	98	94.8	138.9	-	-	-	145.5
	111	77.2	138.9	141.1	-	-	143.3
	124	63.9	116.8	138.9	-	-	141.1
	138	52.9	101.4	136.7	-	-	136.7
	151	41.9	88.2	130.1	-	-	134.5
	164	35.3	77.2	116.8	130.1	-	130.1
SSL/LSL	177	28.7	66.1	103.6	125.7	-	125.7
	191	22.0	59.5	92.6	121.3	-	121.3
	203	17.6	50.7	83.8	114.6	-	116.8
	216	13.2	46.3	75.0	105.8	112.4	112.4
	230	11.0	39.7	68.3	97.0	108.0	108.0
	243	6.6	35.3	61.7	88.2	103.6	103.6
	256	-	30.9	57.3	81.6	99.2	99.2
	269	-	26.5	50.7	75.0	94.8	94.8
	282	-	24.3	46.3	70.5	88.2	88.2
	295	-	19.8	41.9	66.1	83.8	83.8
	308	-	17.6	39.7	59.5	77.2	77.2
	321	-	15.4	35.3	55.1	72.8	72.8
	335	-	13.2	33.1	52.9	68.3	68.3
	348	-	11.0	28.7	48.5	61.7	61.7

413.4 ft Main boom

							
	Radius	0	132.3	264.6	396.8	507.1	551.2
	ft	1,000 lb					
	52	116.8	-	-	-	-	127.9
	59	116.8	-	-	-	-	127.9
	65	116.8	-	-	-	-	127.9
	72	116.8	-	-	-	-	127.9
	79	116.8	119.0	-	-	-	127.9
	85	114.6	119.0	-	-	-	125.7
	92	101.4	119.0	-	-	-	125.7
	98	92.6	116.8	-	-	-	123.5
	111	75.0	116.8	-	-	-	119.0
	124	59.5	114.6	114.6	-	-	116.8
	138	48.5	99.2	112.4	-	-	112.4
	151	39.7	86.0	110.2	-	-	110.2
	164	33.1	75.0	105.8	-	-	105.8
SSL/LSL	177	26.5	66.1	101.4	-	-	101.4
	191	22.0	57.3	92.6	99.2	-	99.2
	203	17.6	50.7	83.8	94.8	-	94.8
	216	13.2	44.1	75.0	90.4	-	90.4
	230	8.8	39.7	68.3	88.2	-	88.2
	243	6.6	33.1	61.7	83.8	-	83.8
	256	-	28.7	55.1	79.4	-	79.4
	269	-	26.5	50.7	75.0	77.2	77.2
	282	-	22.0	46.3	68.3	75.0	75.0
	295	-	19.8	41.9	63.9	70.5	70.5
	308	-	15.4	37.5	59.5	68.3	68.3
	321	-	13.2	33.1	55.1	66.1	66.1
	335	-	11.0	30.9	50.7	63.9	63.9
	348	-	8.8	28.7	46.3	61.7	61.7
	361	-	6.6	24.3	44.1	55.1	55.1

Remarks

Superlift mast 98.4 ft
 * with 66,000 lb central ballast