

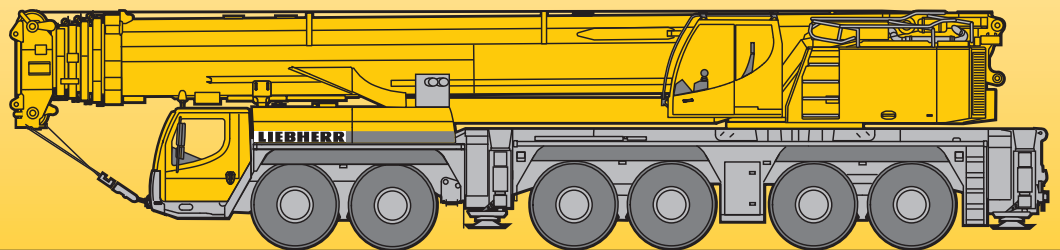
Mobile Crane

LTM 1350-6.1

Technical Data



53-20 44th Street
Maspeth, Queens, NY 11378
(718) 784-1776



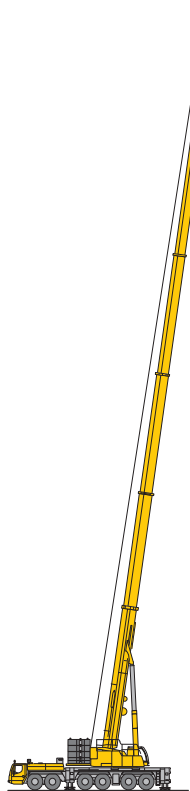
LIEBHERR

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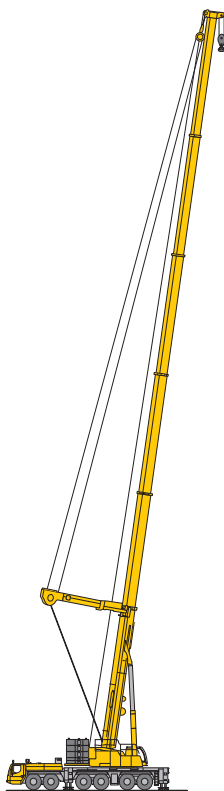
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Boom/jib combinations

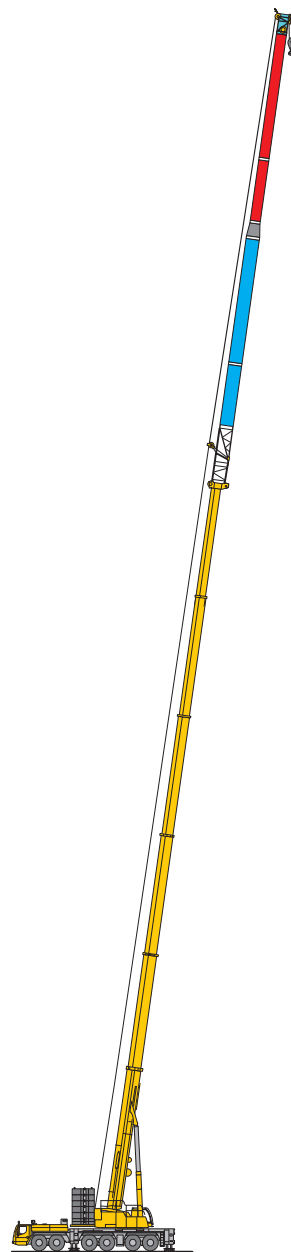
- T** Telescopic boom
- Y** Y-shaped guying system
- F** Fixed lattice jib



T



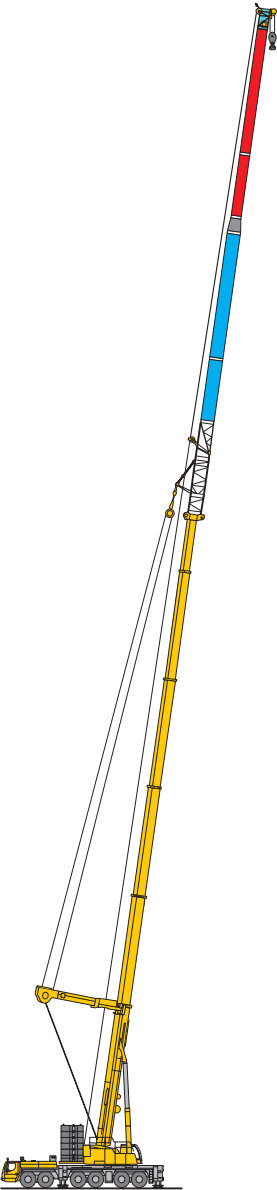
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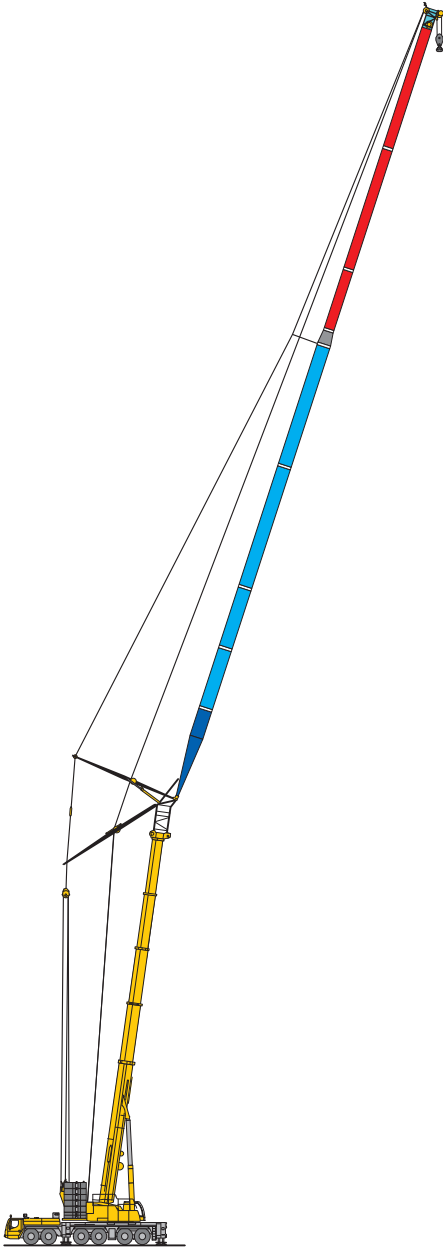
TF

Boom/jib combinations

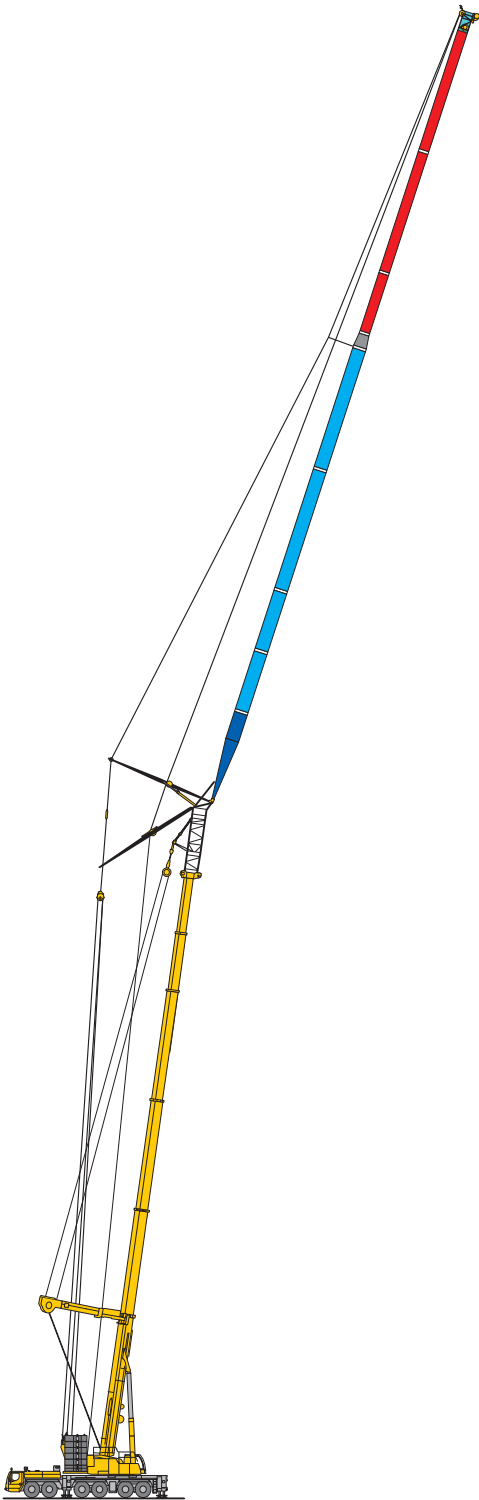
- VE** Telescopic boom extension 11.5 ft + Eccentric
- N** Luffing fly jib



TYVEF

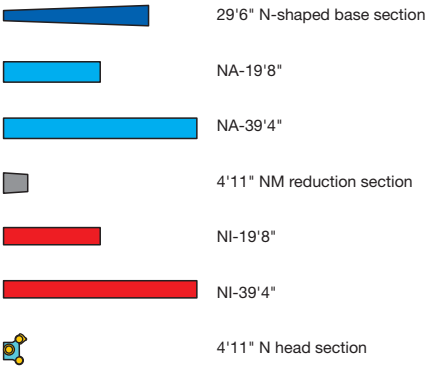
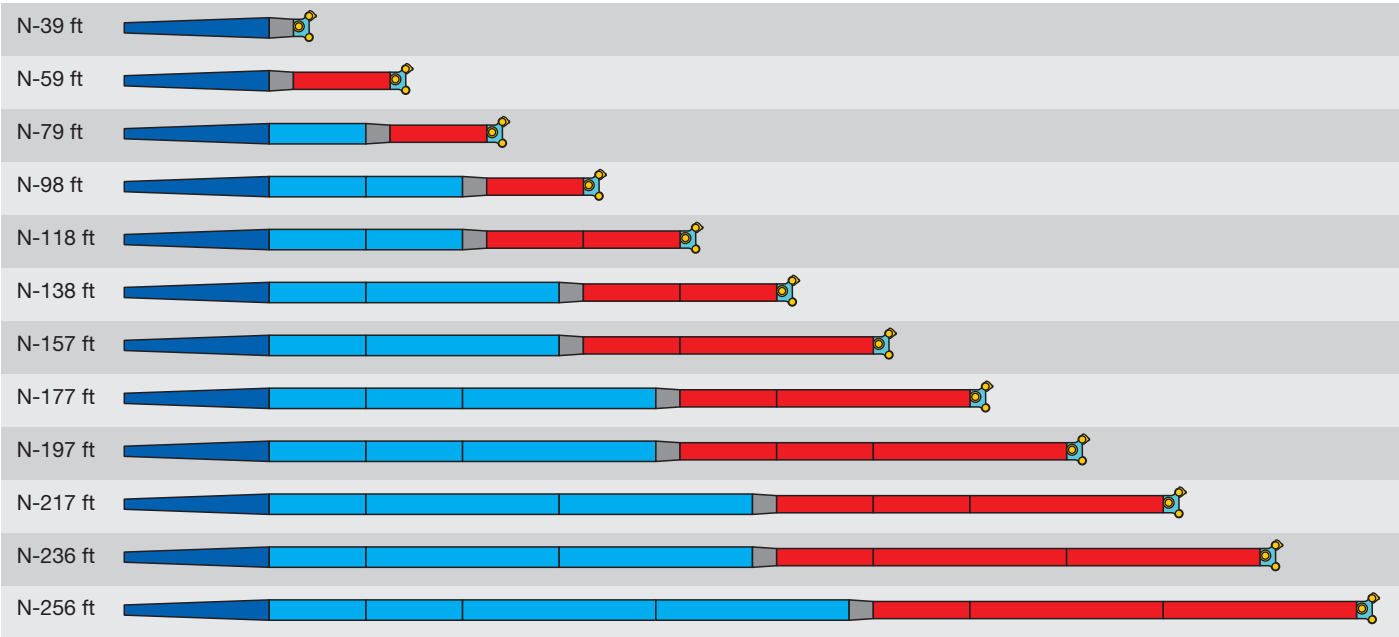


TN



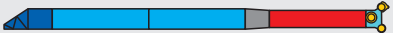
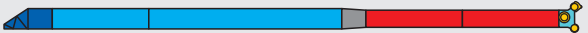
TYVEN

Boom/jib combinations - Luffing fly jib



US2435

Boom/jib combinations - Fixed fly jib

F-20 ft	
F-39 ft	
F-59 ft	
F-79 ft	
F-98 ft	
F-118 ft	
F-138 ft	



9'10" TF-adaptor



NA-19'8"



NA-39'4"



4'11" NI reduction section



NI-19'8"

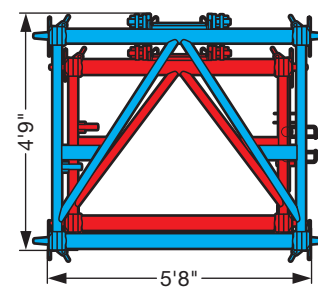
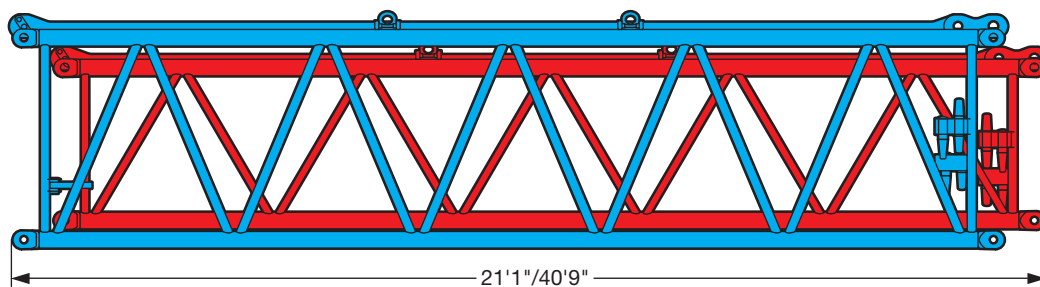


NI-39'4"



4'11" N head section

US2434



US2436

Lifting capacities

T

49 – 230 ft 29.2 x 27.9 ft 360° 308600 lbs 85%														
ft	49 ft	66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
18	323.7	319												18
20	308.8	309												20
22	288.4	289.6	272.2	245.5	185.1									22
24	269.8	271.5	260.2	240.7	185									24
26	253	254.8	247	233.9	197.6									26
28	238.7	240.5	235.7	223.4	197.4	151.3	121.3	95.3						28
30	225.3	227.1	224.6	212.9	195.4	156.1	119.5	94.9						30
32	213.5	215.2	213.4	203.9	192.7	156.1	116.4	93.9	74.8					32
34	202.7	204.3	202.7	195.7	187.7	155.5	113.1	92.4	74.5					34
36	192.4	194.1	192.5	187.9	181.1	154.5	109.7	90.6	73.9					36
38	182.4	185.2	183.6	180.8	174.6	151.9	106.1	88.4	73.1	60.4				38
40	163.8	176.8	175.2	173.7	168.4	149	102.7	86.1	72.1	60				40
42		169.3	167.4	166.4	162.6	145.8	99.4	83.8	70.6	59.5	48.3			42
44		162.2	160.3	159.4	157.1	142	96.1	81.5	69.1	58.8	48.1	40.6	39	44
46		155.4	153.5	152.6	151.8	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9	46
48		149.4	147.7	146.8	146.8	133.9	90	77.2	66	56.8	47.5	39.9	38.6	48
50		143.4	142	141.1	141.8	129.8	87.2	75.1	64.4	55.7	47	39.5	38.4	50
55			128.7	127.9	129.4	120.6	80.4	70.2	60.6	53	45.7	38.2	37.4	55
60			116.6	116.7	117.2	112.4	74.2	65.5	57	50.2	44.1	36.7	36.2	60
65			106.2	107.8	106.7	105	69.9	60.9	53.7	47.5	42.3	35.2	34.7	65
70				99.2	97.9	98.5	66.1	56.9	50.6	45.1	40.4	33.6	33.2	70
75				91.4	90.1	91.8	62.8	53.1	47.6	42.8	38.6	32.2	31.8	75
80				83.7	83.1	85.1	59.9	49.7	44.7	40.5	36.7	30.8	30.5	80
85				74.4	76.9	79	57	46.6	42.2	38.3	35.1	29.4	29.1	85
90					71.7	73.6	54.6	43.9	39.7	36.3	33.4	28.2	27.9	90
95					67.1	68.8	52.3	41.2	37.5	34.4	31.8	26.9	26.7	95
100						64.5	50.2	39	35.4	32.5	30.3	25.7	25.5	100
105						60.5	48.3	37.4	33.3	30.8	28.8	24.5	24.3	105
110						56.5	46.6	36	31.4	29.2	27.4	23.4	23.2	110
115						50.2	45	34.6	29.8	27.7	26.1	22.3	22	115
120							43.5	33.3	28.4	26.2	24.9	21.2	20.9	120
125							42.2	32	27.1	24.9	23.8	20.3	19.9	125
130							41.1	30.8	26	23.9	22.6	19.4	19	130
135								29.8	25	22.8	21.5	18.6	18	135
140								28.8	24	21.8	20.5	17.7	17.1	140
145								27.8	23.1	20.9	19.5	16.9	16.2	145
150								27	22.3	20.1	18.6	16.2	15.4	150
155									21.6	19.2	17.7	15.5	14.6	155
160									20.9	18.4	16.9	14.8	13.9	160
165									20.3	17.7	16	14.2	13.1	165
170										17	15.2	13.6	12.5	170
175										16.4	14.5	13.1	11.8	175
180										15.8	13.8	12.5	11.2	180
185										14.7	13.2	12	10.6	185
190											12.5	11.5	10	190
195											11.9	11.1	9.5	195
200												10.6	9	200
205												10.1	8.5	205
210												9.7	8.1	210
215													7.7	215

t_180_50301_00_000

Remarks referring to load charts

- The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
- For the calculation of the load charts at least a wind speed of 23 ft/s (7 m/s, 15.7 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
- Lifting capacities are given in kips.
- The weight of the hook blocks and hooks must be deducted from the lifting capacities.
- Working radii are measured from the slewing centreline.
- The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
- Lifting capacities above 343.3 kips / 463 kips only with additional pulley block / special equipment.
- The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Lifting capacities

T

49 – 230 ft 29.2 x 27.9 ft ±10° 308600 lbs 85%														
ft	49 ft	66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
9	343.3													9
10	343.3													10
11	343.3	343.3												11
12	343.3	343.3												12
13	343.3	343.3	342											13
14	343.3	343.3	341.7	252.5										14
15	343.3	343.2	338.7	252.5										15
16	343.3	342.4	328	252.5										16
17	342.2	337	318.3	252.5										17
18	340.3	328.5	309.2	252.5	205									18
20	333.9	311.6	291.3	251.8	204.7									20
22	314.2	295.2	275	247.3	202.8	156.1								22
24	296.1	279.6	260.2	241.3	201	156.1								24
26	279.6	264.5	247	233.9	199.3	156.1	122.9							26
28	264	251.7	236	223.4	197.4	156.1	121.4	95.3						28
30	248.5	239.6	225.6	212.9	195.4	156.1	119.5	94.9						30
32	232.7	228.8	216	203.9	192.7	156.1	116.4	93.9	74.8					32
34	218.3	217.3	206.9	195.7	187.7	155.5	113.1	92.4	74.5					34
36	204.9	205.5	197.9	187.9	181.1	154.5	109.7	90.6	73.9					36
38	187.9	194.4	190.1	180.9	174.6	151.9	106.1	88.4	73.1	60.4				38
40	164.2	183.9	182.1	174.1	168.4	149	102.7	86.1	72.1	60				40
42		174.8	173.7	167.5	162.6	145.8	99.4	83.8	70.6	59.5	48.3			42
44		166.8	165.4	161.3	157.1	142	96.1	81.5	69.1	58.8	48.1	40.6	39	44
46		159.3	157.3	155.3	151.8	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9	46
48		152.3	150.6	148.9	146.9	133.9	90	77.2	66	56.8	47.5	39.9	38.6	48
50		145.3	144	142.5	142	129.8	87.2	75.1	64.4	55.7	47	39.5	38.4	50
55			129.2	128.3	129.5	120.6	80.4	70.2	60.6	53	45.7	38.2	37.4	55
60			116.6	116.7	117.2	112.4	74.2	65.5	57	50.2	44.1	36.7	36.2	60
65			106.2	107.8	106.7	105	69.9	60.9	53.7	47.5	42.3	35.2	34.7	65
70				99.2	97.9	98.5	66.1	56.9	50.6	45.1	40.4	33.6	33.2	70
75				91.4	90.1	91.8	62.8	53.1	47.6	42.8	38.6	32.2	31.8	75
80				83.7	83.1	85.1	59.9	49.7	44.7	40.5	36.7	30.8	30.5	80
85				74.4	76.9	79	57	46.6	42.2	38.3	35.1	29.4	29.1	85
90					71.7	73.6	54.6	43.9	39.7	36.3	33.4	28.2	27.9	90
95					67.1	68.8	52.3	41.2	37.5	34.4	31.8	26.9	26.7	95
100						64.5	50.2	39	35.4	32.5	30.3	25.7	25.5	100
105						60.5	48.3	37.4	33.3	30.8	28.8	24.5	24.3	105
110						56.5	46.6	36	31.4	29.2	27.4	23.4	23.2	110
115						50.2	45	34.6	29.8	27.7	26.1	22.3	22	115
120							43.5	33.3	28.4	26.2	24.9	21.2	20.9	120
125							42.2	32	27.1	24.9	23.8	20.3	19.9	125
130							41.1	30.8	26	23.9	22.6	19.4	19	130
135								29.8	25	22.8	21.5	18.6	18	135
140								28.8	24	21.8	20.5	17.7	17.1	140
145								27.8	23.1	20.9	19.5	16.9	16.2	145
150								27	22.3	20.1	18.6	16.2	15.4	150
155									21.6	19.2	17.7	15.5	14.6	155
160									20.9	18.4	16.9	14.8	13.9	160
165									20.3	17.7	16	14.2	13.1	165
170										17	15.2	13.6	12.5	170
175										16.4	14.5	13.1	11.8	175
180										15.8	13.8	12.5	11.2	180
185										14.7	13.2	12	10.6	185
190											12.5	11.5	10	190
195											11.9	11.1	9.5	195
200												10.6	9	200
205												10.1	8.5	205
210												9.7	8.1	210
215													7.7	215

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Lifting capacities

T

49 – 230 ft 29.2 x 27.9 ft 360° 220500 lbs 85%															
ft	49 ft		66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
	*														
9		343.3													9
10	742	343.3													10
11	554	343.3	343.3												11
12	454.8	343.3	343.3												12
13	438.6	343.3	343.3	342											13
14	417.7	343.3	343.3	341.7	252.5										14
15	397.4	343.1	343	338.7	252.5										15
16	381.3	342.2	341.6	328	252.5										16
17	367.8	334.7	334.3	318.3	252.5										17
18	356.1	322.7	323	309.2	252.5	205									18
20	332.1	299.3	300.8	291.3	251.8	204.7									20
22	304.4	279.5	281.1	275	247.3	202.8	156.1								22
24	279.3	261.4	263.2	259.5	241.3	201	156.1								24
26	256.7	245.1	246.9	244.9	233.9	199.3	156.1	122.9							26
28	238.3	231.2	233	231.3	223.4	197.4	156.1	121.4	95.3						28
30	221.4	218	219.8	218.2	212.7	195.4	156.1	119.5	94.9						30
32	207.1	206.1	208	206	202.8	192.7	156.1	116.4	93.9	74.8					32
34	194.2	194.2	196.1	194.2	192.4	187.7	155.5	113.1	92.4	74.5					34
36	182.2	182.2	184.2	182.4	181.6	181	154.5	109.7	90.6	73.9					36
38	172.2	172.2	174.1	172.4	173	172.6	151.9	106.1	88.4	73.1	60.4				38
40	155.6	155.6	164.6	162.9	164.5	164	149	102.7	86.1	72.1	60				40
42			156.3	154.5	156.4	155.4	145.8	99.4	83.8	70.6	59.5	48.3			42
44			148.7	147.6	148.8	147.6	142	96.1	81.5	69.1	58.8	48.1	40.6	39	44
46			141.3	141.5	141.5	140.3	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9	46
48			135.3	135.6	135.4	134.2	133.3	90	77.2	66	56.8	47.5	39.9	38.6	48
50			129.3	129.7	129.4	128.2	128.6	87.2	75.1	64.4	55.7	47	39.5	38.4	50
55				116.5	116	114.7	116.9	80.4	70.2	60.6	53	45.7	38.2	37.4	55
60				105.2	104.7	103.6	105.5	74.2	65.5	57	50.2	44.1	36.7	36.2	60
65				95.7	95.3	95.6	96	69.9	60.9	53.7	47.5	42.3	35.2	34.7	65
70					87.3	88.8	87.9	66.1	56.9	50.6	45.1	40.4	33.6	33.2	70
75					79.8	82	80.5	62.8	53.1	47.6	42.8	38.6	32.2	31.8	75
80					73.4	75.3	73.6	59.9	49.7	44.7	40.5	36.7	30.8	30.5	80
85					69.2	69.1	67.4	57	46.6	42.2	38.3	35.1	29.4	29.1	85
90						63.9	62.2	54.6	43.9	39.7	36.3	33.4	28.2	27.9	90
95						59.2	57.5	52.3	41.2	37.5	34.4	31.8	26.9	26.7	95
100							53.2	50.2	39	35.4	32.5	30.3	25.7	25.5	100
105							49.4	48.3	37.4	33.3	30.8	28.8	24.5	24.3	105
110							46	46.5	36	31.4	29.2	27.4	23.4	23.2	110
115							43	44.2	34.6	29.8	27.7	26.1	22.3	22	115
120								41.8	33.3	28.4	26.2	24.9	21.2	20.9	120
125								39.1	32	27.1	24.9	23.8	20.3	19.9	125
130								36.8	30.8	26	23.9	22.6	19.4	19	130
135									29.8	25	22.8	21.5	18.6	18	135
140									28.8	24	21.8	20.5	17.7	17.1	140
145									27.8	23.1	20.9	19.5	16.9	16.2	145
150									27	22.3	20.1	18.6	16.2	15.4	150
155										21.6	19.2	17.7	15.5	14.6	155
160										20.9	18.4	16.9	14.8	13.9	160
165										20.3	17.7	16	14.2	13.1	165
170											17	15.2	13.6	12.5	170
175											16.4	14.5	13.1	11.8	175
180											15.8	13.8	12.5	11.2	180
185											14.7	13.2	12	10.6	185
190												12.5	11.5	10	190
195												11.9	11.1	9.5	195
200													10.6	9	200
205													10.1	8.5	205
210													9.7	8.1	210
215														7.7	215

* over rear

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T

t_180_50308_00_000

T

t 180 50310 00 000

Lifting capacities

T

		 49 – 230 ft	 29.2 x 23.3ft	 360°	 308600 lbs	85%															
 ft	49 ft	66 ft	82 ft	85 ft	99 ft	115 ft	121 ft	132 ft	149 ft	157 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	 ft		
38	166																		38		
40	158.3	158.6																	40		
45		143.1	141.3		140.4	106													45		
50		129.1	127.2		129.1	128.1		89.2											50		
55		117.3	115.7	56.7	117.3	116.1		114.6	76.5										55		
60			106.7	52.7	107.2	106		107	70.5		62.3	54.2							60		
65			99	49.1	98.6	97.2	41.6	99.2	66.5		58	51.1		45.3					65		
70			91.5	46.1	90.9	89.5	38.6	91.5	63		54	48.2	33.5	42.9		38.5	32		70		
75			66.9	43.6	84.2	82.7	36.1	84.7	59.8	34.3	50.6	45.3	31.5	40.7	31.8	36.7	30.6	30.3	75		
80					77.8	76.2	33.9	78.5	57	32.2	47.2	42.6	29.6	38.6	30.2	35	29.3	29	80		
85					71.9	70.8	31.8	72.4	54.3	30.3	44.4	40.2	27.8	36.5	28.7	33.4	28	27.8	85		
90					59.9	67	29.9	67.2	51.9	28.4	41.8	37.8	26.2	34.6	27.1	31.8	26.8	26.6	90		
95						63.5	28.2	62.4	49.8	26.7	39.2	35.6	24.6	32.7	25.8	30.3	25.6	25.5	95		
100						59.7	26.7	58.1	47.8	25.3	37.1	33.7	23.1	30.9	24.4	28.8	24.4	24.3	100		
105						50.6	25.3	54.3	46	23.9	35.6	31.7	21.8	29.3	23.1	27.5	23.3	23.2	105		
110							24.1	50.8	44.3	22.6	34.3	29.8	20.6	27.8	21.9	26.1	22.3	22.1	110		
115							22.9	47.7	42.8	21.5	32.9	28.3	19.3	26.4	20.9	24.9	21.2	21	115		
120								41.8	41.4	20.4	31.7	27	18.2	24.9	19.8	23.7	20.2	19.9	120		
125								29	40.2	19.3	30.5	25.8	17.2	23.7	18.8	22.6	19.4	18.9	125		
130									39.1	18.4	29.3	24.7	16.3	22.7	17.8	21.5	18.5	18	130		
135									37.3	17.5	28.3	23.8	15.3	21.7	17	20.5	17.7	17.2	135		
140									27	16.8	27.4	22.9	14.5	20.7	16.2	19.5	16.9	16.3	140		
145										16.1	26.5	22	13.7	19.9	15.4	18.6	16.1	15.4	145		
150										15.7	25.7	21.3	13	19.1	14.6	17.7	15.4	14.7	150		
155											24.2	20.5	12.3	18.3	14	16.8	14.8	13.9	155		
160												19.9	11.7	17.6	13.3	16.1	14.1	13.2	160		
165												19.3	11	16.9	12.7	15.3	13.6	12.5	165		
170												18.9	10.5	16.2	12.1	14.5	13	11.9	170		
175												12.3	9.9	15.6	11.6	13.8	12.5	11.3	175		
180													9.4	15	11	13.2	11.9	10.7	180		
185													9.1	14.5	10.6	12.5	11.4	10.1	185		
190														12.5	10.1	11.9	11	9.6	190		
195															9.7	11.4	10.5	9.1	195		
200															9.4	10.9	10.1	8.6	200		
205																10.4	9.6	8.1	205		
210																	9.2	7.7	210		
215																	8.8	7.3	215		
220																		6.6	220		

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Lifting capacities

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		 T								85%																			
 ft	49 ft	66 ft	82 ft	85 ft	99 ft	115 ft	121 ft	132 ft	149 ft	157 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	 ft										
10	343.3																		10										
11	343.3	326.7																	11										
12	343.3	324.4		154.5															12										
13	343.3	322.3	323	150.4															13										
14	337.6	320.3	320.8	146	246.5														14										
15	322.8	318.5	318.8	141.3	247.6														15										
16	309	308.7	308.9	136.6	248.5														16										
17	296.4	297.7	296.2	132	249.4	193													17										
18	284.4	285.9	284.3	127.8	248.7	200.1													18										
19	273.5	275	273.5	123.8	247.7	199.1													19										
20	263.3	264.8	263.3	120.1	246.4	197.9	98.4												20										
22	244.7	246.5	244.7	113.4	238.3	194.1	94	154.9											22										
24	228.5	230.2	228.5	106.7	228.1	191.5	89.5	154.7											24										
26	214	215.8	215.1	101.5	215.9	189.8	85.3	154.2	117.1										26										
28	199.4	201.3	201.5	96.6	201.2	188.2	81.3	153.3	115.8	69.7	79.5								28										
30	183.5	186.1	187.2	91.8	186.3	174.8	77.7	152.4	113.8	67.7	90.5								30										
32	169.7	172.3	173.2	87.4	171.9	162.2	74.4	151.4	110.9	65.6	89.5								32										
34	157.8	160.1	160.9	83.7	159.2	155	71.4	145.1	107.9	63.5	88.1	71							34										
36	147.1	149.4	150.3	80.1	147.7	144.4	68.3	136.2	104.5	61.4	86.3	70.4	51						36										
38	137.3	139.8	140.8	76.6	137.3	135.1	65.5	127.3	101	59.5	84.2	69.7	49.8	57.5					38										
40	126.3	129.4	130.7	73.7	128.5	126.8	63.2	119.4	97.8	57.7	82	68.7	48.6	57.1	45				40										
45		107.1	110.3	67	111.4	108.8	57.6	103.1	90	53.5	76.5	65.1	45.6	55.6	43.3	45.7	38.5	37.1	45										
50		92.2	94.2	61.5	94.4	93.7	52.6	89.8	82.5	49.3	71.5	61.3	42.9	53.2	41.3	45	37.6	36.6	50										
55		79.4	81.6	56.7	81.6	80.6	48.4	78.8	75	45.7	66.7	57.7	40.3	50.4	39.1	43.6	36.4	35.7	55										
60			71.2	52.7	71.3	70.4	44.7	68.8	69.5	42.5	62.3	54.2	37.9	47.8	37.1	42	35	34.5	60										
65			63	49.1	63.2	62	41.6	62.5	62.5	39.5	56.6	51.1	35.6	45.3	35.3	40.3	33.5	33	65										
70			56.2	46.1	56.3	55.2	38.6	57.3	55.6	36.8	52.2	48.2	33.5	42.9	33.5	38.5	32	31.6	70										
75			50.5	43.6	50.4	50.9	36.1	51.4	49.7	34.3	47.9	44.7	31.5	40.7	31.8	36.7	30.6	30.3	75										
80					45.5	47.5	33.9	46.5	44.7	32.2	44.5	41	29.6	38.6	30.2	35	29.3	29	80										
85					41.3	43.3	31.8	42.2	40.4	30.3	41.5	38.7	27.8	36.4	28.7	33.4	28	27.8	85										
90					38	39.6	29.9	38.6	38	28.4	37.8	36.1	26.2	33.2	27.1	31.8	26.8	26.6	90										
95						36.3	28.2	35.3	35.8	26.7	34.5	33.5	24.6	31.5	25.8	30.1	25.6	25.5	95										
100						33.4	26.7	32.4	33.1	25.3	31.6	31.6	23.1	30	24.4	28.1	24.4	24.3	100										
105						30.9	25.3	29.8	30.4	23.9	29	29	21.8	28.3	23.1	25.8	23.3	23.2	105										
110							24.1	28.2	28.1	22.6	27.2	26.6	20.6	26.3	21.9	23.7	22.3	22.1	110										
115							22.9	26.9	26	21.5	25.9	24.4	19.3	24	20.9	21.8	21.1	20.8	115										
120								25.2	24.1	20.4	24	22.7	18.2	22	19.8	20	19.7	19.3	120										
125								23.5	22.2	19.3	22.2	20.9	17.2	20.1	18.8	18.4	18.1	17.7	125										
130									20.6	18.4	20.5	19.2	16.3	18.4	17.8	16.8	16.6	16.2	130										
135									19.2	17.5	18.9	17.6	15.3	16.9	16.8	15.3	15.3	14.9	135										
140									18	16.8	17.5	16.2	14.5	15.4	15.6	13.8	14	13.6	140										
145										16.1	16.2	14.8	13.7	14.1	14.3	12.5	12.8	12.4	145										
150										15.6	15	13.6	13	12.8	13.1	11.3	11.5	11.3	150										
155											13.9	12.5	12.3	11.7	11.9	10.2	10.4	10.2	155										
160												11.5	11.6	10.6	10.8	9.1	9.3	9.1	160										
165												10.5	10.7	9.6	9.8	8.1	8.4	8.1	165										
170												9.6	9.8	8.7	8.9	7.1	7.4	7.2	170										
175												8.8	8.9	7.9	8	6.3	6.5	6.3	175										
180													8.1	7.1	7.2	5.4	5.7	5.5	180										
185													7.4	6.3	6.5	4.7	4.9	4.7	185										
190														5.6	5.8	4	4.2	4	190										
195															5.1	3.5			195										
200															4.5				200										

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Lifting capacities

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		49 – 230 ft T		29.2 x 18.4 ft		360°		220500 lbs		85%																			
ft		49 ft	66 ft	82 ft	85 ft	99 ft	115 ft	121 ft	132 ft	149 ft	157 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft									
40		134.1																			40								
45			115.1	114.6			106														45								
50			99.9	100.6		96.4	94.9														50								
55			88.5	90.5		87.1	85.6		81.6												55								
60				79.8	52.7	79.9	79		73.4	70.5		62.3									60								
65				71.2	49.1	71.3	70.2		68.8	66.5		58	51.1								65								
70				63.9	46.1	64	63	38.6	61.5	62.5		54	48.2								70								
75				57.9	43.6	57.8	56.8	36.1	55.8	57.1	34.3	50.6	45.3	31.5	40.7		36.7				75								
80						52.5	51.5	33.9	52.9	51.8	32.2	47.2	42.6	29.6	38.6	30.2	35	29.3	29		80								
85						48	47	31.8	48.9	47.1	30.3	43.6	40.2	27.8	36.5	28.7	33.4	28	27.8		85								
90						44.1	43.6	29.9	44.9	43.1	28.4	41.3	37.8	26.2	34.6	27.1	31.8	26.8	26.6		90								
95							41.6	28.2	41.4	39.6	26.7	38.8	35.6	24.6	32.7	25.8	30.3	25.6	25.5		95								
100							39.3	26.7	38.2	36.5	25.3	37	33.5	23.1	30.9	24.4	28.8	24.4	24.3		100								
105							36.5	25.3	35.3	33.6	23.9	34.6	31.3	21.8	29.3	23.1	27.5	23.3	23.2		105								
110								24.1	32.8	31.6	22.6	32.1	29.7	20.6	27.8	21.9	26.1	22.3	22.1		110								
115								22.9	30.5	30.3	21.5	29.7	28.1	19.3	26.3	20.9	24.9	21.2	21		115								
120									28.5	28.8	20.4	27.7	26.7	18.2	24.8	19.8	23.7	20.2	19.9		120								
125									26.7	27.2	19.3	25.7	25.4	17.2	23.7	18.8	22.6	19.4	18.9		125								
130										25.4	18.4	23.8	23.8	16.3	22.7	17.8	21.5	18.5	18		130								
135										23.8	17.5	22.1	22.1	15.3	21.4	17	20	17.7	17.2		135								
140										22.3	16.8	21	20.5	14.5	20	16.2	18.5	16.9	16.3		140								
145											16.1	20.2	19	13.7	18.6	15.4	17.1	16.1	15.4		145								
150											15.7	19.3	17.6	13	17.2	14.6	15.7	15.4	14.7		150								
155												18.1	16.4	12.3	15.9	14	14.4	14.4	13.9		155								
160													15.4	11.7	14.7	13.3	13.2	13.4	13		160								
165													14.5	11	13.6	12.7	12.1	12.4	12.1		165								
170													13.5	10.5	12.6	12.1	11	11.3	11.1		170								
175													11.5	9.9	11.6	11.5	10.1	10.3	10.1		175								
180														9.4	10.7	10.8	9.1	9.4	9.2		180								
185														9.1	9.9	10	8.3	8.5	8.3		185								
190															9.1	9.2	7.5	7.7	7.5		190								
195																8.5	6.7	7	6.7		195								
200																7.8	6	6.2	6		200								
205																	5.3	5.5	5.3		205								
210																		4.9	4.7		210								
215																		4.3	4.1		215								
220																			3.5		220								

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Lifting capacities

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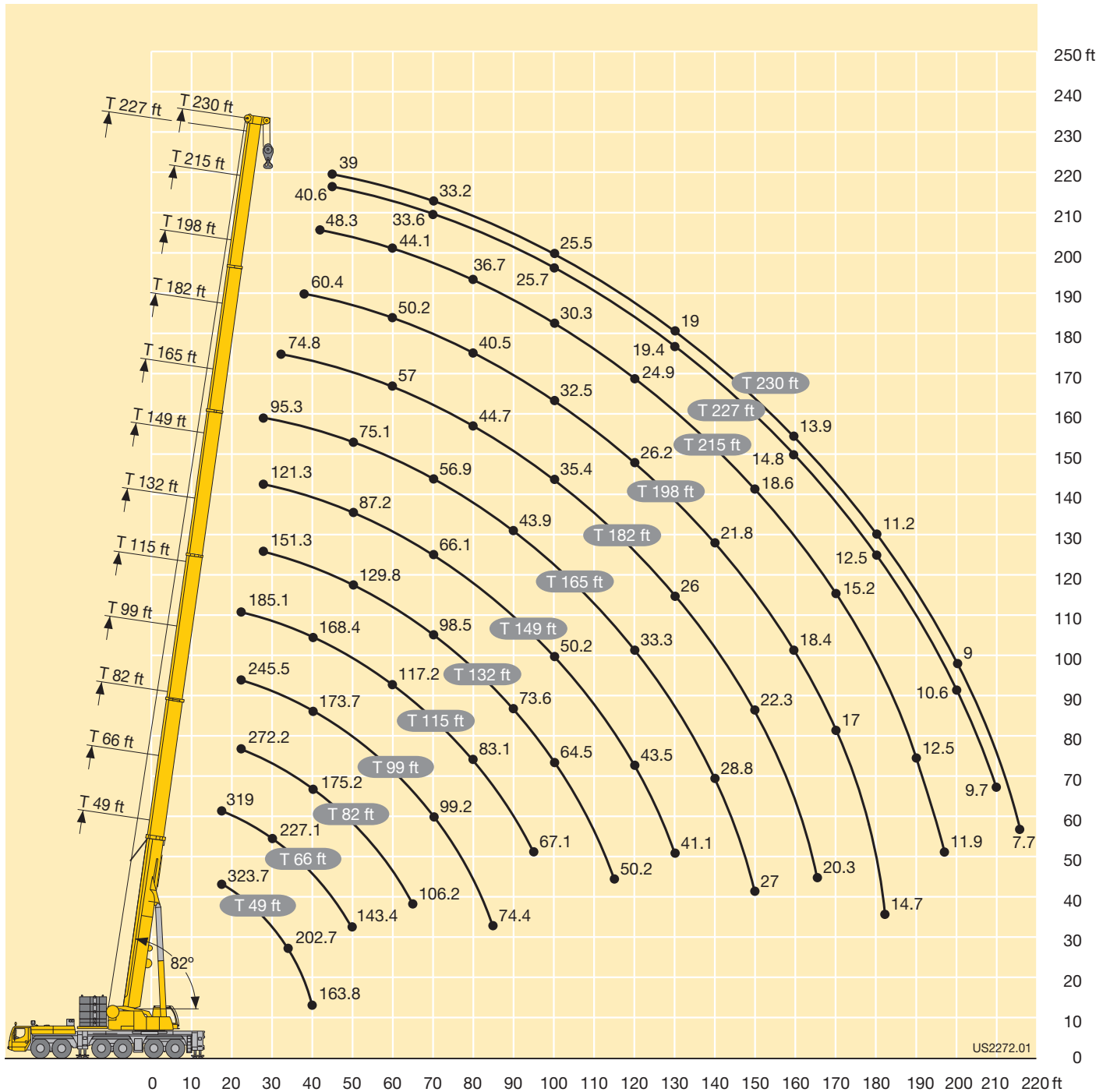
		 49 – 230 ft		 29.2 x 18.4 ft		 360°		 154300 lbs		85%																	
 ft	49 ft	66 ft	82 ft	85 ft	99 ft	115 ft	121 ft	132 ft	149 ft	157 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	 ft								
24	195.3																		24								
26	191																		26								
28	174.9	173	163.6		152.3														28								
30	156.9	160.1	153.9		139.4	130.2													30								
32	141.1	144.4	141.7		133.8	125.2		117.3											32								
34	127.8	131	130.8		124.2	116.2		108.9											34								
36	116.5	121.5	123.9	80.1	120.3	113.7		101.4	100.3										36								
38	107	111.8	114.2	76.6	112.3	106.6		100.2	95.9		84.2								38								
40	98.6	103.3	105.6	73.7	105.2	100.2		94.1	90.1		82								40								
45		86.3	88.3	67	88.5	86.2	57.6	82.2	80.7		73.2	65.1		55.6					45								
50		73.3	75.2	61.5	75.4	74.6	52.6	75.1	70.8	49.3	66.4	61.3	42.9	53.2	41.3	45	37.6	36.6	50								
55		63.2	65.2	56.7	65.3	65.9	48.4	66.5	62.6	45.7	58.7	55	40.3	50.4	39.1	43.6	36.4	35.7	55								
60			57	52.7	57.1	59.4	44.7	58.3	55.7	42.5	55.4	51.6	37.9	47.5	37.1	42	35	34.5	60								
65			50.4	49.1	50.7	52.6	41.6	51.6	50.3	39.5	49.8	46.3	35.6	42.8	35.3	40.3	33.5	33	65								
70			45.2	45.4	46.9	47.1	38.6	46	46.4	36.8	44.9	43.3	33.5	40.6	33.5	37.8	32	31.6	70								
75			40.5	40.7	42.4	42.3	36.1	41.2	42	34.3	40.6	39.6	31.5	37.6	31.8	34.3	30.6	30.3	75								
80					38.3	38.2	33.9	38.6	37.9	32.2	37.3	36	29.6	34.1	30.2	31	29.3	28.7	80								
85					34.9	34.7	31.8	35.4	34.4	30.3	34.4	33.1	27.8	31	28.7	28.1	27.4	26.9	85								
90					31.8	31.6	29.9	32.3	31.3	28.4	31.3	30.2	26.2	28.3	27.1	25.5	24.9	24.4	90								
95						28.9	28.2	29.6	28.8	26.7	28.6	27.4	24.6	25.8	25.2	23.1	22.6	22.2	95								
100						26.8	26.7	27.1	26.6	25.3	26.1	24.9	23.1	23.6	23.1	21	20.5	20.1	100								
105						24.6	24.8	24.9	24.3	23.8	23.9	22.6	21.8	21.6	21.1	19	18.6	18.2	105								
110							22.8	23	22.2	22.3	21.8	20.5	20.6	19.7	19.3	17.3	16.9	16.5	110								
115							20.9	21.1	20.3	20.5	19.9	18.6	18.9	17.9	17.7	15.6	15.3	14.9	115								
120								19.4	18.6	18.8	18.2	16.9	17.2	16.1	16.2	14.1	13.9	13.5	120								
125								18	17.1	17.2	16.6	15.4	15.6	14.6	14.8	12.7	12.5	12.1	125								
130									15.6	15.8	15.2	13.9	14.2	13.1	13.4	11.5	11.3	10.9	130								
135									14.3	14.4	13.9	12.6	12.9	11.9	12	10.2	10.1	9.7	135								
140									13.2	13.2	12.7	11.4	11.6	10.6	10.8	9	9	8.7	140								
145										12.2	11.6	10.2	10.5	9.5	9.7	8	8	7.6	145								
150										11.2	10.5	9.2	9.4	8.4	8.6	6.9	7.1	6.7	150								
155											9.6	8.2	8.5	7.5	7.7	5.9	6.2	5.8	155								
160												7.4	7.6	6.6	6.8	5	5.2	5	160								
165												6.5	6.7	5.7	5.9	4.1	4.4	4.1	165								
170												5.8	5.9	4.9	5.1		3.4		170								
175												5.2	5.2	4.2	4.3				175								
180													4.5	3.5	3.7				180								
185													3.9						185								

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Lifting capacities

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     85%													
ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft
26	236.9	217.6											26
28	227	212.9	189.3										28
30	217.3	207.4	186.1										30
32	207.7	199.7	184.2	166.8									32
34	199.5	192.1	179.7	165.3									34
36	192.4	184.4	173.7	163.1									36
38	183.8	177.9	168.6	159.2	144.7								38
40	175.4	171.4	163.4	155	143.2								40
42	167.3	165.2	157.7	150.5	140	124.5	113	106.1		93.9		80.2	42
44	159.9	159.3	152.9	146	136.4	123.8	112.6	105.8	96.6	93.6	82.7	80	44
46	152.9	153.5	148.5	141.5	132.8	122.9	111.9	105.4	96.2	93.1	81.8	79.6	46
48	146.8	147.7	144.2	137.8	129.6	120.5	110.2	104.7	95.4	92.3	80.8	79.2	48
50	140.8	141.9	139.9	134.1	126.3	118.2	108.5	104	94.6	91.5	79.7	78.7	50
55	127.2	128.7	129.1	125	118.4	111.6	104.1	101.5	92.1	88.6	76.9	77.2	55
60	115.5	117.1	118.5	116.2	111	104.5	99.6	98	89	84.9	73.9	75.2	60
65	105.6	107.1	108.7	107.8	104.4	98.3	94.8	92.9	85.5	81.6	70.9	72.7	65
70	96.5	98.3	100	99.9	97.8	92.9	89.7	87.8	82.3	78.4	68.3	70.1	70
75	88.3	90.3	91.9	92.2	91.4	87.6	84.8	83.1	79.1	75.4	65.9	67.6	75
80	79.6	82.9	84.4	84.8	85	82.5	80.3	78.7	75.9	72.6	63.7	65.3	80
85	68.2	76.2	77.9	78.2	78.5	77.6	75.8	74.3	72.4	69.4	61.6	63.1	85
90		70.5	72.2	72.6	72.9	72.5	71.7	70.4	68.6	65.7	59.7	60.9	90
95		63.8	67.1	67.5	67.8	67.4	67.4	66.6	65.1	62.2	57.7	58.9	95
100			62.4	62.8	63.1	62.7	63.1	62.6	61.7	59	55.8	56.8	100
105			58.1	58.5	58.8	58.4	58.8	58.3	58.4	56	53.9	54.5	105
110			53	54.7	55.1	54.7	55	54.6	54.9	53	51.9	52	110
115			45.8	51.2	51.7	51.2	51.5	51.1	51.5	49.8	49.5	49.4	115
120				47.6	48.4	48	48.3	47.8	48.2	46.7	46.8	46.7	120
125				43.6	45.4	45.1	45.3	44.8	45.2	43.7	44	44	125
130				37.8	42.6	42.3	42.7	42.1	42.5	40.9	41.4	41.4	130
135					39.7	39.7	40.1	39.6	40	38.3	38.9	38.9	135
140					36.1	37.3	37.6	37.1	37.5	35.8	36.4	36.5	140
145					31.4	34.8	35.3	34.9	35.3	33.5	34.1	34.3	145
150					25.7	32.5	33.2	32.7	33.1	31.3	32	32	150
155						29.2	31.2	30.5	31	29.3	29.9	30	155
160						25.2	28.8	28.5	29.1	27.4	28	28	160
165						20.5	26	26.5	27.3	25.5	26.1	26.2	165
170							22.6	23.6	25.5	23.8	24.3	24.4	170
175							18.6	20.3	23.5	22.2	22.8	22.8	175
180								16.4	21.1	20.3	21.3	21.3	180
185									18.2	17.9	19.8	19.8	185
190									14.9	15.2	18.2	18.4	190
195										11.9	15.9	16.4	195
200											13.4	14.1	200
205												11.5	205
210												8.6	210

TAB 180_60101_00_000

TY

TAB 180 60105 00 000

Lifting capacities

TY

     85%													
ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft
36	176.8												36
38	169.7	168.3											38
40	162.2	161.9											40
42	154.3	154.1	150.9										42
44	149.1	148	145.3										44
46	145	142.8	139.6										46
48	139.2	138.1	135.8										48
50	133.3	133.4	131.9	128.3									50
55	120.1	121.7	122	120.3	116.5	109.8		100.2		88		76	55
60	108.7	110.4	111.9	112.1	110.2	104.5		98		84.9		75.2	60
65	99.1	100.7	102.3	102.5	101.8	98.3	94.8	92.9	85.5	81.6	70.9	72.7	65
70	90.6	92.4	94	94.2	94.2	91.6	89.4	87.8	82.3	78.4	68.3	70.1	70
75	83	84.9	86.5	86.8	87.1	85.2	83.9	82.6	79	75.4	65.9	67.6	75
80	75.7	78.3	79.8	80.2	80.5	79.3	78.4	77.3	75.5	72.5	63.7	65.3	80
85	67.6	72.2	73.9	74.2	74.5	73.9	73.2	72.1	71.4	69	61.6	63.1	85
90		66.9	68.6	69	69.3	68.9	68.5	67.5	66.9	64.7	59.7	60.9	90
95		61.8	63.8	64.2	64.6	64.2	64.1	63.2	62.6	60.3	57.6	58.6	95
100			59.4	59.8	60.2	59.7	59.9	59	58.5	56.2	55.1	55.7	100
105			55.2	55.6	56	55.6	55.9	55	54.6	52.3	52.1	52	105
110			51.2	51.7	52.2	51.7	52	51.4	51.1	48.9	48.7	48.7	110
115			45.1	48	48.6	48.1	48.4	47.9	47.8	45.7	45.6	45.5	115
120				44.7	45.2	44.8	45.1	44.6	44.8	42.7	42.6	42.6	120
125				41.5	42.1	41.7	42.1	41.5	41.9	39.9	39.9	39.9	125
130				37.3	39.3	38.9	39.3	38.7	39.1	37.3	37.4	37.4	130
135					36.7	36.3	36.7	36.1	36.5	34.9	35	35	135
140					34	33.9	34.3	33.7	34.1	32.5	32.8	32.8	140
145					30.8	31.6	32	31.5	31.9	30.3	30.7	30.7	145
150					25.6	29.5	29.9	29.4	29.8	28.2	28.7	28.7	150
155						27.4	28	27.4	27.8	26.2	26.8	26.8	155
160						24.6	26.2	25.5	26	24.4	25	25	160
165						20.5	24.3	23.8	24.3	22.7	23.2	23.3	165
170							22.1	22.2	22.7	21	21.5	21.6	170
175							18.4	19.8	21.1	19.5	20.1	20.1	175
180								16.4	19.5	18.1	18.7	18.7	180
185									17.6	16.6	17.3	17.3	185
190									14.9	14.8	16	16	190
195										11.8	14.7	14.8	195
200											12.9	13.3	200
205												11.3	205
210												8.6	210

TAB 180_60201_00_000

Lifting capacities

TY

     85%															
ft		99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft	
26		231.4	217.6											26	
28		219.1	212.2	189.3										28	
30		207.4	205.7	186.1										30	
32		197	196.7	184.2	166.8									32	
34		186.8	187.3	179.4	165.3									34	
36		176.8	177.7	172.7	163.1									36	
38		168.1	169.2	166.2	159.2	144.7								38	
40		159.7	161	159.9	154.9	143.2								40	
42		152.2	153.4	154.1	149.8	140	124.5	113	106.1	96.9	93.9		80.2	42	
44		145.2	146.6	147.9	143.9	136.4	123.8	112.6	105.8	96.6	93.6	82.7	80	44	
46		138.5	140	141.4	137.6	132.5	122.8	111.9	105.4	96.2	93.1	81.8	79.6	46	
48		132	133.7	135.2	131.8	127.2	119.3	110.2	104.7	95.4	92.3	80.8	79.2	48	
50		125.6	127.4	129	126	121.9	115.7	108.5	104	94.6	91.5	79.7	78.7	50	
55		110.9	112.9	114.7	112.8	109.8	105.9	102.2	99.7	92.1	88.6	76.9	77.2	55	
60		98.2	100.2	102	101.4	99.1	95.7	94	92.5	88.5	84.6	73.9	75.2	60	
65		87.7	89.6	91.5	91.7	89.9	87	85.6	84.1	82.5	79.7	70.9	72.7	65	
70		78.7	80.8	82.6	82.9	82.1	79.4	78.3	77	75.9	73.2	68.3	70	70	
75		70.8	73.1	74.8	75.2	74.9	72.5	71.7	70.4	69.6	66.9	65	65.9	75	
80		63.8	66.2	68	68.4	68.3	66.1	65.6	64.2	63.8	60.9	60.7	60.7	80	
85		57.6	60	62	62.4	62.4	60.4	59.9	58.6	58.3	55.6	55.5	55.4	85	
90			54.8	56.7	57.2	57.3	55.4	55	53.8	53.5	50.9	50.9	50.8	90	
95			50	52	52.5	52.7	50.9	50.6	49.4	49.2	46.6	46.6	46.6	95	
100				47.8	48.3	48.4	46.8	46.5	45.4	45.2	42.7	42.8	42.7	100	
105				43.9	44.4	44.6	43	42.8	41.8	41.6	39.1	39.2	39.2	105	
110				40.4	40.9	41.3	39.7	39.5	38.5	38.4	36	36.1	36.1	110	
115				37.2	37.8	38.2	36.6	36.5	35.5	35.4	33	33.2	33.2	115	
120					34.8	35.3	33.8	33.7	32.7	32.7	30.3	30.5	30.5	120	
125					32	32.6	31.3	31.1	30.1	30.2	27.8	28	28.1	125	
130					29.2	30	28.9	28.8	27.8	27.8	25.6	25.8	25.8	130	
135						27.5	26.6	26.7	25.7	25.7	23.5	23.7	23.7	135	
140						25.1	24.5	24.6	23.6	23.7	21.5	21.7	21.7	140	
145						22.8	22.4	22.7	21.7	21.9	19.7	19.9	19.9	145	
150						20.7	20.4	20.9	19.9	20.1	17.9	18.2	18.1	150	
155							18.5	19.1	18.2	18.5	16.3	16.6	16.6	155	
160							16.7	17.3	16.5	16.9	14.8	15.1	15.1	160	
165							14.9	15.7	14.9	15.4	13.4	13.7	13.6	165	
170								14.1	13.3	14	12	12.3	12.3	170	
175								12.6	11.8	12.5	10.6	11.1	11.1	175	
180									10.5	11.1	9.3	9.9	9.9	180	
185										9.8	8	8.6	8.6	185	
190										8.6	6.8	7.4	7.4	190	
195											5.6	6.3	6.3	195	
200												5.2	5.2	200	

TAB 180_60205_00_000

TY

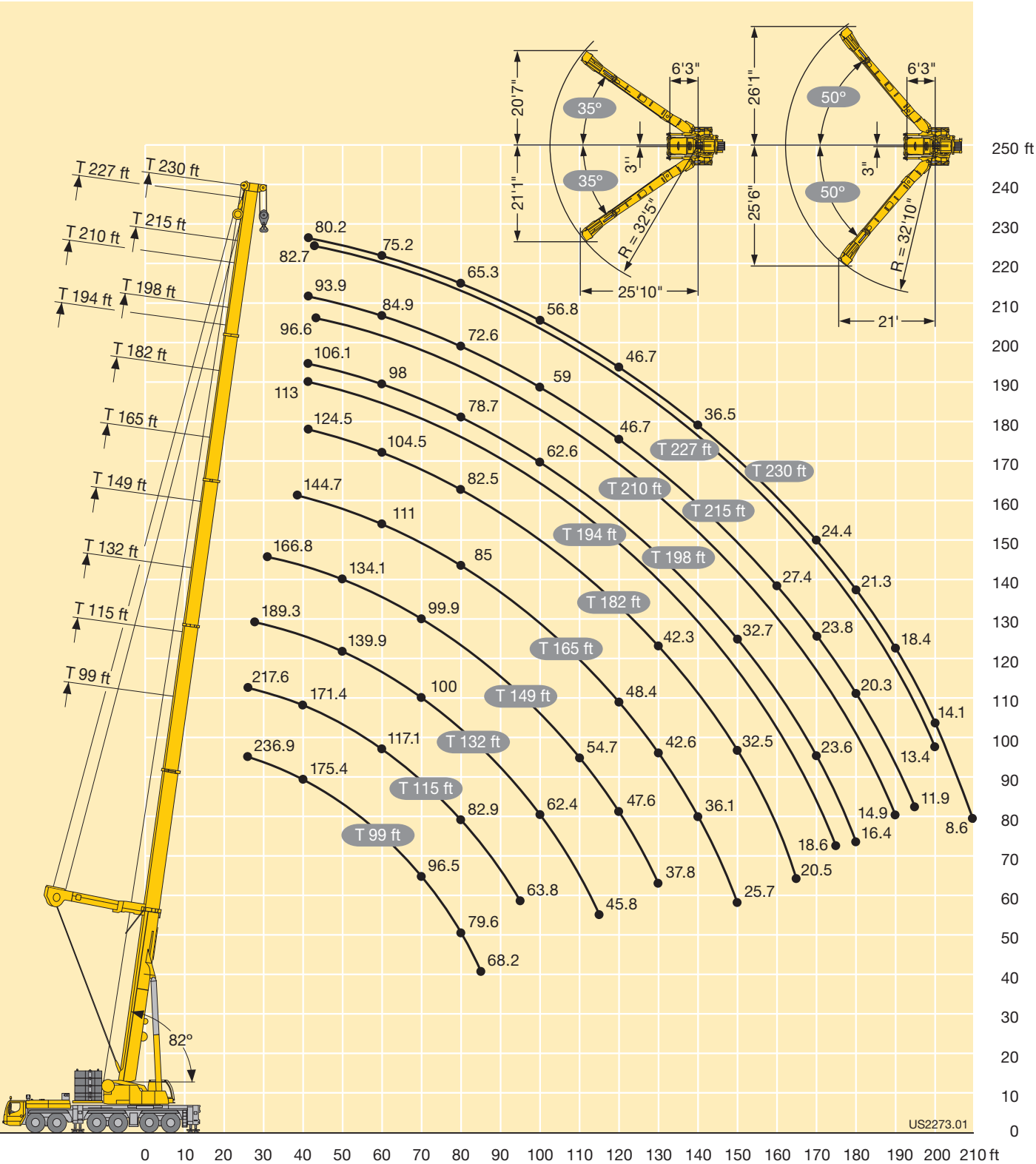
TAB 180_60302_00_000

Lifting capacities

TY

     85%													
ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft
38		137.3											38
40		131											40
42	128.2	122.5											42
44	122.3	116.9	114.1										44
46	117.6	112.7	108.7										46
48	113.5	109.8	105.1										48
50	109.5	106.8	101.6										50
55	98.4	97.4	93.5	90.1	85.4								55
60	86.8	86.4	85.9	81.9	78.9								60
65	77.2	77	76.9	75	73.1	70.7	69.8	68.1	67.3	64.8	64	64.2	65
70	68.9	69.2	69.3	67.8	66.3	64	63.4	62	61.5	58.7	58.4	58.3	70
75	61.6	62.2	62.5	61.2	60	57.9	57.4	56.1	55.8	53	52.9	52.8	75
80	55	56.1	56.5	55.5	54.4	52.5	52.1	50.8	50.6	47.9	47.9	47.9	80
85	48.5	50.7	51.3	50.4	49.4	47.7	47.3	46.2	45.9	43.3	43.4	43.4	85
90		45.9	46.8	45.9	45.1	43.5	43.2	42.1	41.9	39.4	39.5	39.4	90
95		41.3	42.7	42	41.2	39.6	39.4	38.4	38.2	35.8	35.9	35.9	95
100			38.9	38.3	37.6	36.1	36	35	34.9	32.5	32.6	32.6	100
105			35.5	35	34.4	32.9	32.8	31.9	31.8	29.4	29.6	29.6	105
110			32	32	31.6	30.1	30	29.1	29.1	26.7	26.9	27	110
115			28.8	29.3	28.9	27.5	27.5	26.5	26.6	24.2	24.5	24.5	115
120				26.6	26.4	25.1	25.1	24.1	24.2	21.9	22.2	22.2	120
125				24	24.1	22.9	22.9	21.9	22	19.8	20	20.1	125
130				21.5	22.1	20.9	20.9	19.9	20.1	17.8	18.1	18.1	130
135					20	19	19	18.1	18.2	16	16.3	16.3	135
140					18	17.2	17.3	16.4	16.5	14.3	14.6	14.6	140
145					16	15.5	15.6	14.7	14.9	12.8	13	13	145
150					14.2	13.8	14.1	13.2	13.4	11.2	11.6	11.5	150
155						12.2	12.7	11.8	12	9.9	10.2	10.2	155
160						10.7	11.2	10.4	10.7	8.6	8.9	8.9	160
165						9.2	9.8	9.1	9.4	7.3	7.7	7.7	165
170							8.5	7.7	8.2	6.2	6.5	6.5	170
175							7.2	6.4	7.1	5.1	5.4	5.4	175
180								5.2	5.9		4.4	4.4	180
185									4.8				185
190									3.7				190

TAB 180_60305_00_000



Angle of the Y-suspension between 35° and 50° depending on the extension condition of the individual telescopic sections.

TF

* adapter

t 180_51105 00 000 / 51125 00 000 / 51145 00 000 / 51165 00 000

		 49 – 215 ft				 39 ft				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%								
 ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*				 ft	
	39 ft				39 ft				39 ft				39 ft				39 ft				39 ft				39 ft					
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
14	71.5																											14		
15	71.2																											15		
16	69.9																											16		
17	68.4																											17		
18	66.7																											18		
20	63.5																											20		
22	60.7																											22		
24	58																											24		
26	55.5																											26		
28	53.1	45.4																										28		
30	50.8	44.4																										30		
32	48.6	42.7				69.4																						32		
34	46.6	41.1				67.6																						34		
36	44.6	39.6				65.9				62.8																		36		
38	42.8	38.2	34			64.2				61.5				52.5														38		
40	41.1	36.9	33.5			62.6				60.1				52.5														40		
42	39.6	35.7	32.5			61				58.9				52.3														42		
44	38.2	34.5	31.6			59.6	45.4			57.6				52.1			41.5											44		
46	36.9	33.4	30.8	27		58.2	44.6			56.4				51.8			41.4											46		
48	35.7	32.5	30	27		56.8	43.7			55.3				51			41.2											48		
50	34.5	31.6	29.3	27		55.5	42.8			54.2	42.3			50.1			41				32.8							50		
55	31.8	29.4	27.6	26.9		52.4	40.8	33.8		51.6	40.7	33		47.8	39.4		39.9				32.4				26.1			55		
60	29.4	27.5	26.1	26.6		49.4	38.9	32.6	27	49.2	38.9	32.6		45.2	38.1		38.3				31.8				25.8			60		
65	27.4	25.9	24.8	26		46.5	37.2	31.5	27	46.8	37.3	31.6	27	42.9	36.7	31.1	36.4	35.1			30.7				25.3			65		
70	25.7	24.5	23.8	25.2	44	35.6	30.5	27		44.6	35.9	30.6	27	40.6	35.4	30.3	27	34.7	34	29.4	29.5	29.3			24.6	23		70		
75	24.3	23.4	23			41.8	34.2	29.6		42.4	34.5	29.7	27	38.5	34.1	29.5	27	32.9	32.8	28.8	27	28.2	28.2	26.6		23.8	22.5		75	
80	23	22.4	21.4			39.6	32.8	28.7		40.4	33.2	28.9	27	36.5	33	28.7	27	31.3	31.6	28.1	26.9	27	27.1	26		23	21.8		80	
85						37.8	31.6	27.9		38.7	32.1	28.1	27	34.5	31.9	28	27	29.7	30.2	27.5	26.6	25.7	25.9	25	25.1	22.1	21.1	20.3		85
90						36	30.5	27.2		36.9	31	27.4		32.8	30.9	27.4	26.7	28.2	28.7	26.9	26.2	24.5	24.9	24.1	24.3	21.2	20.4	19.7	19.7	90
95						34.4	29.4	26.5		35.2	30	26.8		31.1	29.9	26.8		26.7	27.3	26.3	25.8	23.3	23.8	23.3	23.4	20.4	19.7	19.1	19.1	95
100						33	28.5	25.8		33.4	29.1	26.2		29.4	28.8	26.2		25.4	26	25.7		22.1	22.7	22.4	22.6	19.5	19.1	18.5	18.6	100
105						31.6	27.6	25.3		31.7	28.2	25.6		27.9	27.7	25.7		24.1	24.7	25		21	21.7	21.6		18.6	18.4	17.9	18	105
110						30.4	26.7	24.7		30	27.4	25.1		26.3	26.4	25.2		22.8	23.4	23.9		20	20.6	20.7		17.7	17.7	17.4	17.5	110
115						29.2	26	24.2		28.4	26.7	24.6		24.8	25.1	24.6		21.7	22.2	22.7		19	19.6	19.8		16.9	17.1	16.9		115
120						28.2	25.2			26.8	25.9	24.2		23.4	23.8	23.8		20.6	21	21.5		18	18.6	18.9		16.1	16.4	16.4		120
125						27.1	24.6			25.3	25.1	23.8		22.1	22.5	22.8		19.4	19.9	20.3		17.1	17.7	18.1		15.3	15.7	15.8		125
130						26.3	24			24	24.2	23.5		20.8	21.3	21.6		18.4	18.8	19.2		16.2	16.8	17.2		14.5	15	15.2		130
135						25.4	23.5			22.7	23.1			19.6	20.1	20.5		17.3	17.8	18.1		15.4	15.9	16.3		13.7	14.3	14.6		135
140						24.6	23			21.4	22			18.5	19	19.4		16.3	16.8	17.1		14.5	15	15.4		13	13.7	14		140
145						23.9	22.5			20.2	20.9			17.5	17.9			15.3	15.8	16.2		13.7	14.2	14.6		12.3	13	13.3		145
150						23.3	22.2			19.1	19.7			16.4	16.9			14.4	14.9	15.2		12.9	13.4	13.8		11.7	12.3	12.7		150
155						22.7				18.1	18.6			15.5	15.9			13.5	14			12.2	12.6	13		11	11.7	12		155
160						22.1				17.3	17.6			14.6	15			12.7	13.2			11.4	11.8	12.2		10.4	11	11.3		160
165						20.8				16.5				13.7	14.1			11.9	12.3			10.7	11.1			9.8	10.4	10.7		165
170										15.7				12.9	13.2			11.1	11.5			10	10.4			9.2	9.7	10		170
175										15.1				12.3	12.5			10.4	10.8			9.3	9.7			8.6	9.1	9.4		175
180														11.6				9.8	10.1			8.7	9.1			8	8.6			180
185														11				9.3	9.5			8.2	8.5			7.5	8			185
190														10.5				8.7	8.9			7.8	8			6.9	7.5			190
195														10				8.2				7.3	7.6			6.4	7			195
200																		7.8				6.9	7.2			5.9	6.5			200
205																		7.4				6.5	6.8			5.4	6			205
210																		7				6.2				5	5.6			210
215																						5.8				4.5	5.1			215
220																						5.5				4.1	4.6			220
225																						5.2				3.7				225
230																						4.9				3.3				230
235																										2.9				235

* adaptor

t_180_51205_00_000 / 51225_00_000 / 51245_00_000 / 51265_00_000

Lifting capacities

TF

		 49 – 215 ft				 59 ft				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%																																			
 ft	49 + 8 ft*								132 + 8 ft*								149 + 8 ft*								165 + 8 ft*								182 + 8 ft*								198 + 8 ft*								215 + 8 ft*								 ft
	59 ft								59 ft								59 ft								59 ft								59 ft								59 ft								59 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																									
18	52.4																																18																								
20	51.5																																20																								
22	49.4																																22																								
24	47.5																																24																								
26	45.5																																26																								
28	43.8																																28																								
30	42.2																																30																								
32	40.6																																32																								
34	39.1																																34																								
36	37.7					51.3																											36																								
38	36.3	30.8				50.1				47.2																							38																								
40	35	30.3				48.9				46.7																							40																								
42	33.8	29.4				47.7				45.7																							42																								
44	32.6	28.5				46.6				44.8				41.4																			44																								
46	31.4	27.5				45.5				43.9				40.9																			46																								
48	30.4	26.7				44.5				43				40.2																			48																								
50	29.3	25.9				43.5				42.2				39.6			34				25.6											50																									
55	27	24.1	22.4			41.2	30.4			40.2	29.5			38			33.7				25.6					20.3						55																									
60	24.9	22.4	21.3			39	29.4			38.3	29.2			36.5			33.1				25.4					20.3						60																									
65	23.1	21	20.1	15.8		37	28			36.6	28			35	27			31.9			25.1					20.1						65																									
70	21.6	19.7	19	15.5		35	26.8	22.6		35	26.9			33.7	26.7			30.6	25.5		24.5					19.8						70																									
75	20.2	18.6	18.1	15.3		33.2	25.7	22.1	16	33.4	25.8	21.9		32.4	26.1	21.2		29.3	25		23.8	22.8				19.3						75																									
80	18.9	17.6	17.3	15.2		31.5	24.7	21.4	15.9	31.9	24.8	21.4		31.2	25.2	21		27.9	24.2		23.1	22.5				18.9						80																									
85	17.8	16.7	16.5	15		29.9	23.7	20.7	15.7	30.5	23.9	20.7	15.7	30	24.3	20.5		26.6	23.4	20	22.3	21.9				18.4	17.4					85																									
90	16.8	15.9	15.9			28.5	22.8	20.1	15.6	29.2	23.1	20.2	15.6	28.8	23.5	20	15.5	25.4	22.7	19.5	15.4	21.5	21.2			17.8	16.9					90																									
95	16	15.3				27.2	22	19.5		27.9	22.3	19.7	15.4	27.6	22.8	19.5	15.4	24.2	22.1	19.1	15.4	20.6	20.4	18.4	15.2	17.3	16.3	15				95																									
100						26	21.2	19		26.6	21.5	19.2	15.4	26.5	22.1	19.1	15.4	23	21.5	18.7	15.3	19.8	19.7	18	15.2	16.7	15.8	14.9				100																									
105						24.8	20.5	18.5		25.6	20.8	18.7		25.4	21.4	18.6	15.3	21.9	20.9	18.3	15.2	18.9	19	17.7	15.2	16.1	15.3	14.6				105																									
110						23.8	19.8	18.1		24.6	20.2	18.3		24.3	20.8	18.2	15.2	20.9	20.3	17.9	15.2	18.1	18.3	17.4	15.2	15.5	14.8	14.2	13.9			110																									
115						22.8	19.2	17.6		23.6	19.6	17.9		23.1	20.2	17.9		19.8	19.8	17.6	15.2	17.2	17.6	17	15.2	14.9	14.3	13.8	13.7			115																									
120						21.9	18.6	17.2		22.7	19	17.5		22	19.6	17.5		18.8	19.2	17.3		16.4	16.9	16.6	15.2	14.3	13.9	13.4	13.4			120																									
125						21	18	16.9		21.9	18.5	17.1		20.8	19.1	17.2		17.9	18.5	17		15.6	16.3	16.1		13.7	13.4	13	13.1			125																									
130						20.3	17.5	16.5		21.1	18	16.8		19.7	18.6	16.9		17	17.7	16.7		14.9	15.6	15.6		13.1	13	12.6	12.7			130																									
135						19.6	17	16.2		20.4	17.5	16.5		18.7	18.1	16.6		16.2	16.9	16.4		14.1	14.9	15		12.5	12.6	12.2				135																									
140						18.9	16.6			19.6	17.1	16.2		17.6	17.6	16.3		15.3	16	16		13.5	14.2	14.5		11.9	12.2	11.9				140																									
145						18.2	16.2			18.9	16.7	16		16.7	17	16		14.4	15.2	15.6		12.8	13.5	13.9		11.3	11.7	11.6				145																									
150						17.6	15.8			18.2	16.3	15.7		15.7	16.3	15.8		13.7	14.4	14.9		12.1	12.8	13.3		10.8	11.3	11.2				150																									
155						17	15.5			17.4	15.9			14.8	15.6	15.5		12.9	13.6	14.1		11.4	12.1	12.6		10.2	10.8	10.9				155																									
160						16.5	15.2			16.6	15.6			14	14.8	15		12.1	12.9	13.3		10.8	11.5	12		9.6	10.3	10.5				160																									
165						16	14.9			15.8	15.3			13.2	14			11.3	12.1	12.6		10.2	10.8	11.3		9.1	9.8	10.1				165																									
170						15.6	14.6			14.9	14.9			12.4	13.2			10.7	11.5	11.8		9.6	10.2	10.6		8.6	9.3	9.7				170																									
175						15.2				14.1	14.4			11.7	12.4			10	10.8			9	9.6	10		8.1	8.7	9.2				175																									
180						14.8				13.3	13.7			11	11.7			9.3	10.1			8.5	9	9.4		7.6	8.2	8.6				180																									
185						14				12.7				10.3	11			8.7	9.5			7.9	8.4			7.1	7.8	8.1				185																									
190										12.1				9.6	10.3			8.2	8.8			7.4	7.9			6.6	7.3	7.6				190																									
195										11.6				9.1	9.7			7.7	8.2			6.9	7.4			6.2	6.8	7.2				195																									
200														8.6				7.3	7.7			6.5	6.9			5.7	6.3					200																									
205														8.2				6.9	7.2			6.1	6.4			5.3	5.9					205																									
210														7.7				6.5	6.7			5.8	6			4.8	5.4					210																									
215														7.4				6.2				5.4	5.7			4.4	5					215																									
220																		5.8				5.1	5.4			4	4.5					220																									
225																		5.5				4.8	5			3.6	4.1					225																									
230																		5.2				4.5				3.2	3.6					230																									
235																						4.2				2.8	3.2					235																									
240																						3.8				2.8						240																									

* adapter

t_180_51305_00_000 / 51325_00_000 / 51345_00_000 / 51365_00_000

Lifting capacities

TF

		 49 – 215 ft T				 79 ft F				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%								
 ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*				 ft	
	79 ft				79 ft				79 ft				79 ft				79 ft				79 ft				79 ft					
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
22	39.6																											22		
24	38.8																											24		
26	37.6																											26		
28	36.2																											28		
30	34.9																											30		
32	33.7																											32		
34	32.6																											34		
36	31.5																											36		
38	30.5					39.5																						38		
40	29.5					38.9																						40		
42	28.6					38				35.9																		42		
44	27.7					37.2				35.5																		44		
46	26.8					36.3				34.8																		46		
48	26					35.5				34.2																		48		
50	25.2	22.4				34.8				33.5				31.1														50		
55	23.2	21.2				32.9				31.9				30				26.5				21.2						55		
60	21.4	19.6				31.2				30.4				28.8				26.1				21.1						60		
65	19.8	18.3				29.7	22.9			29.1				27.7				25.6				21				16.5		65		
70	18.4	17.1				28.3	22			27.8	21.6			26.6				25				20.6				16.3		70		
75	17.1	16	14.6			26.9	21			26.6	21			25.6	20.2			24.3				20.2				16		75		
80	16	15.1	14			25.6	20.1			25.5	20.1			24.7	19.7			23.6				19.7				15.7		80		
85	15	14.2	13.3	9.4		24.4	19.3	15.3		24.5	19.3			23.7	19			22.8	18.3			19.1				15.3		85		
90	14.1	13.4	12.6	9.3		23.2	18.5	15		23.4	18.6	14.9		22.9	18.3			22.1	17.7			18.5	16.5			14.8		90		
95	13.3	12.7	12.1	9.1		22	17.8	14.6	9.6	22.4	17.9	14.6		22	17.7	14.5		21.3	17.1			17.8	16.1			14.4	13	95		
100	12.5	12.1	11.5	9.1		21	17.1	14.3	9.5	21.4	17.2	14.3	9.5	21.2	17.1	14.2	9.4	20.5	16.6	13.8		17.2	15.7			14	12.7	100		
105	11.8	11.4	11.1	9		20	16.4	13.9	9.4	20.5	16.6	14	9.4	20.4	16.5	13.9	9.4	19.6	16.1	13.6		16.5	15.3			13.6	12.4	105		
110	11.2	10.9	10.7			19.1	15.8	13.5	9.3	19.6	16.1	13.6	9.3	19.7	16	13.5	9.3	18.7	15.6	13.3	9.2	15.9	14.9	12.8		13.2	12	110		
115	10.7	10.5				18.3	15.3	13.1		18.8	15.6	13.2	9.2	18.9	15.5	13.2	9.2	17.9	15.2	13	9.2	15.2	14.5	12.5	9.1	12.7	11.7	10.3	115	
120						17.5	14.8	12.8		18.1	15.1	12.9	9.2	18.2	15	12.9	9.1	17.1	14.7	12.7	9.1	14.6	14.1	12.3	9.1	12.2	11.3	10.1	120	
125						16.8	14.3	12.5		17.4	14.6	12.6		17.5	14.6	12.6	9.1	16.3	14.3	12.4	9.1	13.9	13.7	12	9	11.8	11	9.9	125	
130						16.1	13.8	12.2		16.6	14.1	12.3		16.9	14.2	12.3	9.1	15.5	13.9	12.1	9	13.3	13.4	11.8	9	11.3	10.6	9.7	8.9	130
135						15.4	13.4	11.9		16	13.7	12		16.3	13.8	12		14.7	13.6	11.9	9	12.7	13	11.6	9	10.9	10.3	9.5	8.9	135
140						14.8	12.9	11.6		15.5	13.3	11.8		15.7	13.4	11.8		14	13.2	11.7		12	12.6	11.4	9	10.4	9.9	9.3	8.9	140
145						14.3	12.5	11.4		14.9	12.9	11.5		15.1	13	11.6		13.4	12.9	11.5		11.4	12.1	11.2		9.9	9.6	9.1	8.9	145
150						13.7	12.2	11.1		14.4	12.5	11.3		14.4	12.7	11.4		12.7	12.6	11.3		10.8	11.6	11.1		9.4	9.3	8.9	8.9	150
155						13.2	11.8	10.9		13.9	12.2	11.1		13.7	12.4	11.2		12	12.2	11.1		10.3	11.1	10.9		9	9	8.7		155
160						12.8	11.5			13.4	11.9	10.9		13	12.1	11		11.4	11.8	10.9		9.7	10.6	10.7		8.5	8.7	8.4		160
165						12.3	11.2			13	11.6	10.8		12.3	11.8	10.8		10.7	11.3	10.8		9.2	10.1	10.4		8	8.4	8.2		165
170						11.9	10.9			12.6	11.3	10.6		11.7	11.5	10.7		10.1	10.8	10.6		8.7	9.5	10		7.6	8.1	7.9		170
175						11.5	10.7			12.2	11			11	11.2	10.5		9.5	10.2	10.4		8.1	9	9.5		7.1	7.8	7.7		175
180						11.2	10.5			11.8	10.8			10.3	10.8	10.4		8.9	9.6	10		7.6	8.5	9		6.6	7.4	7.5		180
185						10.8	10.3			11.4	10.6			9.7	10.4			8.4	9.1	9.5		7.1	8	8.5		6.2	7	7.3		185
190						10.5	10.1			11	10.4			9.1	9.9			7.8	8.5	9		6.6	7.5	8		5.8	6.6	7.1		190
195						10.2				10.5	10.2			8.5	9.4			7.3	8			6.2	7	7.5		5.4	6.2	6.8		195
200						10				10	10.1			8	8.8			6.8	7.5			5.7	6.5	7		5	5.8	6.4		200
205										9.4				7.5	8.2			6.3	7			5.3	6.1			4.6	5.4	6		205
210										9				7.1	7.6			5.9	6.5			5	5.6			4.2	4.9	5.5		210
215										8.6				6.7	7.2			5.5	6			4.6	5.1			3.8	4.5	5		215
220														6.4				5.2	5.6			4.3	4.8			3.4	4.1			220
225														6.1				4.9	5.2			4	4.4			3	3.7			225
230														5.7				4.6	4.9			3.6	4				3.3			230
235														5.5				4.2				3.3	3.7				2.8			235
240																		3.9				3	3.4							240
245																		3.6				3								245

* adapter

t_180_51405_00_000 / 51425_00_000 / 51445_00_000 / 51465_00_000

		 49 – 215 ft T				 98 ft F				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%																																			
 ft	49 + 8 ft*								132 + 8 ft*								149 + 8 ft*								165 + 8 ft*								182 + 8 ft*								198 + 8 ft*								215 + 8 ft*								 ft
	98 ft								98 ft								98 ft								98 ft								98 ft								98 ft								98 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																									
26	27																																26																								
28	27																																28																								
30	27																																30																								
32	27																																32																								
34	27																																34																								
36	26.9																																36																								
38	26.4																																38																								
40	25.7																																40																								
42	25					27																										42																									
44	24.2					27				27																						44																									
46	23.5					27				27																						46																									
48	22.9					27				26.9																						48																									
50	22.2					27				26.9				25																		50																									
55	20.7					26.8				26.3				24.5				21.3														55																									
60	19.3 16.5					26.2				25.4				23.8				21.1														60																									
65	17.9 15.7					25.1				24.3				22.9				20.7				17.2										65																									
70	16.6 14.8					23.9				23.3				22				20.2				17					13.1					70																									
75	15.4 13.9					22.8 16.5				22.3				21.2				19.6				16.8					12.9					75																									
80	14.4 13					21.8 16.2				21.4				20.4				19				16.6					12.8					80																									
85	13.4 12.2 10.2					20.8 15.6				20.5 15.5				19.7				18.4				16.2					12.5					85																									
90	12.5 11.4 9.8					19.9 15				19.7 15				19 14.6				17.8				15.8					12.2					90																									
95	11.7 10.8 9.3					19 14.4				18.9 14.4				18.3 14.2				17.3 13.5				15.3					11.9					95																									
100	11 10.1 9					18 13.8 10.2				18.2 13.9				17.7 13.7				16.7 13.2				14.8 12.1					11.5					100																									
105	10.4 9.6 8.6 6					17.2 13.3 10				17.4 13.4				17.1 13.2				16.2 12.8				14.3 12					11.1					105																									
110	9.7 9.1 8.3 5.9					16.4 12.8 9.7				16.7 12.9 9.7				16.5 12.7 9.6				15.7 12.3				13.9 11.7					10.8 9.4					110																									
115	9.2 8.6 8 5.9					15.6 12.3 9.5 6.1				16 12.4 9.5				15.9 12.3 9.4				15.2 11.9 9.2				13.4 11.3					10.5 9.1					115																									
120	8.7 8.2 7.8 5.8					14.9 11.8 9.2 6.1				15.3 12 9.3 6.1				15.3 11.9 9.2 6				14.7 11.6 9.1				12.8 11					10.1 8.8					120																									
125	8.2 7.8 7.6 5.8					14.2 11.4 9 6				14.7 11.5 9.1 6				14.7 11.5 9 6				14.2 11.2 8.9				12.3 10.7					9.8 8.6					125																									
130	7.8 7.5 7.4					13.6 10.9 8.8 6				14.1 11.1 8.9 6				14.1 11.1 8.8 6				13.7 10.9 8.8 5.9				11.8 10.4 8.6					9.5 8.3					130																									
135	7.5 7.2					13 10.6 8.6				13.5 10.8 8.7 5.9				13.6 10.8 8.7 5.9				13.1 10.6 8.6 5.9				11.3 10.2 8.4 5.8					9.2 8.1 7.2					135																									
140						12.5 10.2 8.4				12.9 10.4 8.5 5.9				13.1 10.4 8.5 5.9				12.6 10.3 8.5 5.8				10.8 9.9 8.3 5.8					8.8 7.9 7					140																									
145						11.9 9.8 8.3				12.4 10.1 8.4				12.6 10.1 8.4 5.8				12.1 10 8.3 5.8				10.3 9.6 8.2 5.8					8.5 7.7 6.9					145																									
150						11.4 9.5 8.1				12 9.7 8.2				12.1 9.8 8.2 5.8				11.5 9.7 8.2 5.8				9.7 9.4 8.1 5.8					8.2 7.5 6.8 5.7					150																									
155						11 9.2 8				11.5 9.4 8.1				11.7 9.5 8.1				11 9.4 8.1 5.8				9.2 9.1 8 5.8					7.8 7.3 6.6 5.7					155																									
160						10.6 8.9 7.9				11.1 9.2 8				11.3 9.3 8				10.4 9.2 8				8.7 8.9 7.9 5.8					7.4 7.1 6.5 5.7					160																									
165						10.2 8.6 7.8				10.6 8.9 7.9				10.9 9 7.9				9.9 8.9 7.8				8.2 8.6 7.7					7 6.9 6.4 5.7					165																									
170						9.7 8.4 7.6				10.3 8.6 7.8				10.5 8.7 7.8				9.3 8.7 7.7				7.8 8.4 7.6					6.6 6.7 6.3 5.7					170																									
175						9.4 8.1 7.5				9.9 8.4 7.6				10.2 8.5 7.7				8.8 8.5 7.6				7.3 8.1 7.5					6.2 6.5 6.2					175																									
180						9 7.9				9.6 8.2 7.5				9.7 8.3 7.6				8.3 8.3 7.5				6.9 7.8 7.4					5.8 6.3 6.1					180																									
185						8.7 7.7				9.2 8 7.4				9.3 8.1 7.5				7.8 8 7.4				6.4 7.4 7.3					5.4 6.1 5.9					185																									
190						8.4 7.5				8.9 7.8 7.3				8.7 7.9 7.4				7.3 7.8 7.4				6 7 7.3					5 5.9 5.8					190																									
195						8.1 7.4				8.6 7.6				8.2 7.7 7.3				6.8 7.5 7.3				5.5 6.6 7.1					4.7 5.7 5.7					195																									
200						7.9 7.2				8.4 7.5				7.8 7.6 7.2				6.4 7.1 7.2				5.1 6.1 6.8					4.3 5.3 5.5					200																									
205						7.6 7.1				8.1 7.3				7.3 7.4				5.9 6.8 7				4.7 5.7 6.5					3.9 4.9 5.4					205																									
210						7.4				7.9 7.2				6.9 7.2				5.4 6.3				4.3 5.3 6					3.6 4.5 5.1					210																									
215						7.3				7.7 7.1				6.5 6.9				5 5.9				3.9 4.9 5.6					3.2 4.2 4.8					215																									
220						7.1				7.4 7				6.1 6.6				4.6 5.4				3.6 4.5 5.1					3.8 4.5					220																									
225										7.2				5.7 6.2				4.2 5				3.3 4.1					3.4 4.1					225																									
230										6.9				5.3 5.8				3.9 4.5				3.7					3.7					230																									
235										6.6				4.9 5.4				3.6 4.1				3.3					3.3					235																									
240														4.6				3.3 3.7				2.9										240																									
245														4.4				3 3.4														245																									
250														4.1				3.1														250																									
255														3.8																		255																									

* adapter

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Lifting capacities

TF

49 – 230 ft T 118 ft F 29.2 x 27.9 ft 360° 220500 lbs 85%																					
ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				ft
	118 ft				118 ft				118 ft				118 ft				118 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
28	24.2																			28	
30	24																			30	
32	23.6																			32	
34	23.1																			34	
36	22.4																			36	
38	21.9																			38	
40	21.3																			40	
42	20.8																			42	
44	20.3				24.1															44	
46	19.8				23.9															46	
48	19.3				23.6															48	
50	18.8				23.2				21.7											50	
55	17.7				22.2				21.2				19.3							55	
60	16.6				21.3				20.4				19							60	
65	15.6				20.4				19.6				18.3				16.6			65	
70	14.5	12			19.6				18.9				17.7				16.2			70	
75	13.5	11.5			18.8				18.2				17.2				15.8			75	
80	12.6	10.9			18				17.5				16.6				15.3			80	
85	11.7	10.2			17.3				16.9				16				14.9			85	
90	10.9	9.6			16.5	11.8			16.2				15.5				14.4			90	
95	10.2	9			15.8	11.4			15.6	11.3			15				14			95	
100	9.5	8.5	6.9		15.1	11			15	10.9			14.4	10.6			13.6			100	
105	8.9	8.1	6.7		14.4	10.5			14.4	10.5			14	10.3			13.1			105	
110	8.3	7.7	6.4		13.8	10.1			13.8	10.1			13.5	9.9			12.7	9.5		110	
115	7.9	7.3	6.2		13.1	9.7	6.9		13.2	9.7			13	9.5			12.3	9.2		115	
120	7.4	6.9	6	3.4	12.5	9.3	6.9		12.7	9.4	6.7		12.5	9.2			11.9	8.9		120	
125	7	6.6	5.8	3.3	11.9	9	6.7		12.1	9	6.7		12	8.9			11.6	8.6		125	
130	6.7	6.3	5.6	3.2	11.4	8.6	6.5		11.6	8.7	6.5		11.6	8.6	6.5		11.2	8.3		130	
135	6.3	6	5.4	3.2	10.8	8.3	6.3	3.6	11.1	8.4	6.4		11.1	8.3	6.3		10.8	8.1	6.2	135	
140	6	5.7	5.3	3.2	10.3	8.1	6.2	3.6	10.7	8.1	6.2	3.6	10.7	8.1	6.2		10.4	7.9	6.1	140	
145	5.7	5.5	5.2	3.1	9.8	7.8	6.1	3.6	10.2	7.9	6.1	3.6	10.2	7.8	6.1	3.6	10	7.6	6	145	
150	5.5	5.3	5.2		9.4	7.5	5.9	3.6	9.8	7.6	6	3.6	9.9	7.6	6	3.6	9.6	7.4	5.9	3.6	150
155	5.2	5.1			9	7.3	5.8		9.3	7.4	5.8	3.6	9.5	7.4	5.9	3.6	9.3	7.3	5.8	3.6	155
160					8.6	7.1	5.7		9	7.2	5.7	3.6	9.1	7.2	5.7	3.6	8.9	7.1	5.7	3.6	160
165					8.2	6.9	5.6		8.6	7	5.6		8.8	7	5.7	3.6	8.5	6.9	5.6	3.6	165
170					7.9	6.7	5.5		8.3	6.8	5.5		8.4	6.9	5.6	3.6	8.2	6.8	5.5	3.6	170
175					7.6	6.4	5.4		7.9	6.6	5.5		8.1	6.7	5.5		7.8	6.6	5.5	3.6	175
180					7.3	6.3	5.3		7.7	6.4	5.4		7.9	6.5	5.4		7.4	6.5	5.4		180
185					7.1	6.1	5.3		7.4	6.3	5.3		7.6	6.4	5.3		7	6.3	5.3		185
190					6.8	5.9	5.2		7.2	6.1	5.3		7.3	6.2	5.3		6.6	6.2	5.3		190
195					6.6	5.7	5.2		6.9	5.9	5.2		7.1	6	5.2		6.2	6.1	5.2		195
200					6.4	5.6			6.7	5.8	5.2		6.8	5.9	5.2		5.8	5.9	5.2		200
205					6.1	5.5			6.5	5.6	5.2		6.5	5.8	5.2		5.3	5.7	5.1		205
210					5.9	5.3			6.3	5.5			6.2	5.6	5.1		5	5.5	5.1		210
215					5.8	5.2			6.1	5.4			6	5.5	5.1		4.6	5.3	5.1		215
220					5.6	5.1			5.9	5.3			5.6	5.4	5.1		4.2	5.1	5.1		220
225					5.4	5			5.7	5.2			5.3	5.3			3.8	4.8	5		225
230					5.3				5.6	5.1			4.9	5.2			3.4	4.4			230
235					5.1				5.4	5			4.5	5			3	4			235
240					5				5.3	4.9			4.2	4.8				3.6			240
245									5.2				3.8	4.5				3.2			245
250									5				3.5	4.1							250
255									4.9				3.2	3.7							255
260													2.9								260

* adapter

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Lifting capacities

TF

		 49–230 ft				 118 ft				 29.2x27.9 ft				 360°				 220500 lbs				 85%																					
 ft	194 + 8 ft*								198 + 8 ft*								210 + 8 ft*								215 + 8 ft*								227 + 8 ft*								230 +		 ft
	118 ft								118 ft								118 ft								118 ft								118 ft								8 ft*		
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	118 ft																	
70	11.2				13.7																					70																	
75	11				13.5				9.9								9.6									75																	
80	10.6				13.3				9.8								9.5				6.3				5.5	80																	
85	10.3				13.1				9.6								9.4				6.4				5.5	85																	
90	10				12.8				9.4								9.3				6.4				5.5	90																	
95	9.6				12.5				9.2								9.2				6.4				5.5	95																	
100	9.3				12.2				8.8								9				6.3				5.5	100																	
105	8.9				11.9				8.5								8.9				6.2				5.5	105																	
110	8.5				11.6				8								8.8				6.1				5.4	110																	
115	8.1	6.9			11.3	8.5			7.6								8.5				6				5.4	115																	
120	7.6	6.7			10.9	8.3			7.2	6.5							8.2	6.9			5.9				5.3	120																	
125	7.2	6.5			10.6	8.1			6.8	6.4							8	6.8			5.7				5.3	125																	
130	6.7	6.3			10.2	7.8			6.4	6.2							7.7	6.6			5.6	6			5.2	130																	
135	6.2	6.1			9.8	7.6			6	6							7.4	6.5			5.3	5.8			5	135																	
140	5.8	5.9			9.4	7.5	5.9		5.6	5.9							7.2	6.3			5.1	5.7			4.8	140																	
145	5.4	5.7			9	7.3	5.9		5.3	5.7							6.9	6.1			4.8	5.5			4.5	145																	
150	4.9	5.6	4.9		8.6	7.1	5.8		4.9	5.5							6.7	5.9			4.4	5.4			4.2	150																	
155	4.5	5.4	4.7		8.2	7	5.7		4.5	5.3	4.7						6.4	5.8			4.1	5.1			3.8	155																	
160	4	5.2	4.6		7.7	6.8	5.6	3.5	4.1	5.1	4.6						6.2	5.6	5		3.7	4.9			3.5	160																	
165	3.5	4.9	4.5	3.5	7.3	6.7	5.5	3.5	3.7	4.9	4.5						5.9	5.5	4.8		3.2	4.6			3.1	165																	
170	3	4.6	4.4	3.5	6.9	6.6	5.5	3.6	3.2	4.6	4.4						5.6	5.3	4.7		2.8	4.3	4.3		2.7	170																	
175		4.3	4.3	3.6	6.5	6.4	5.4	3.6	2.8	4.3	4.3	3.6					5.3	5.2	4.6	3.6		4	4.2			175																	
180		3.9	4.2		6.1	6.3	5.3	3.6		3.9	4.2	3.6					5	5.1	4.5	3.6		3.6	4.1	3.6		180																	
185		3.4	4		5.7	6.1	5.3			3.5	4.1						4.7	4.9	4.4	3.6		3.2	4	3.6		185																	
190		3	3.9		5.3	6	5.2			3.1	3.9						4.3	4.8	4.3	3.6		2.8	3.9	3.6		190																	
195			3.7		4.9	5.8	5.2				3.8						4	4.6	4.3				3.6			195																	
200			3.4		4.5	5.6	5.1				3.5						3.6	4.4	4.2				3.3			200																	
205					4.1	5.3	5.1				3.1						3.3	4.2	4.1							205																	
210					3.8	4.9	5										4	4								210																	
215					3.4	4.6	4.9											3.8	4							215																	
220					3	4.2	4.8											3.4	3.8							220																	
225						3.8	4.5											3.1	3.7							225																	
230						3.4	4.2												3.5							230																	
235						3.1	3.8												3.2							235																	
240							3.4												2.8							240																	

* Adapter

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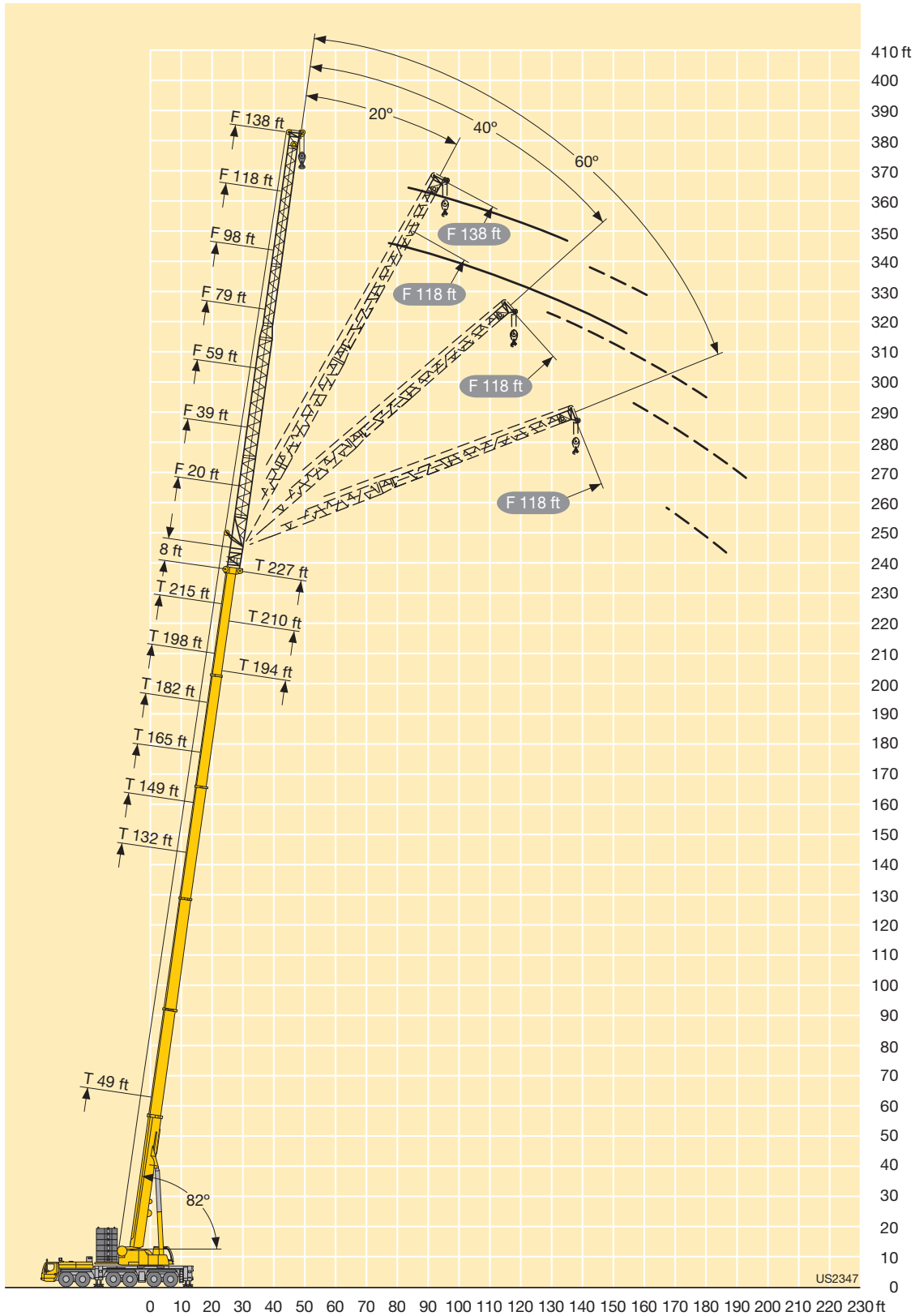
Lifting capacities

TF

		 49 – 227 ft T			 138 ft F			 29.2 x 27.9 ft			 360°			 220500 lbs			85%																										
 ft	49 + 8 ft*			132 + 8 ft*			149 + 8 ft*			165 + 8 ft*			182 + 8 ft*			194 + 8 ft*		198 + 8 ft*			210 + 8 ft*		215 + 8 ft*		227 + 8 ft*		 ft																
	138 ft			138 ft			138 ft			138 ft			138 ft			138 ft		138 ft			138 ft		138 ft		138 ft																		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	0°	20°	40°	0°	20°	0°	20°	0°	20°																	
32	18.7																										32																
34	18.6																										34																
36	18.4																										36																
38	17.9																										38																
40	17.5																										40																
42	17.1																										42																
44	16.6																										44																
46	16.2																										46																
48	15.9																										48																
50	15.5				18.5																						50																
55	14.6				17.9			16.8																			55																
60	13.8				17.2			16.4																			60																
65	13				16.4			15.7			14.6																65																
70	12.3				15.8			15.1			14.1			12.8													70																
75	11.5				15.1			14.5			13.7			12.5			8.6		10.8								75																
80	10.8				14.5			14			13.2			12.1			8.4		10.7								80																
85	10.1	8.4			13.9			13.5			12.8			11.7			8.2		10.5			7.4		7.1		3.6	85																
90	9.5	7.9			13.4			13			12.3			11.4			7.9		10.2			7.3		7		3.6	90																
95	8.9	7.5			12.9			12.5			11.9			11.1			7.6		9.9			7.1		6.9		3.5	95																
100	8.3	7.1			12.3	8.6		12.1	8.3		11.6			10.8			7.3		9.6			6.9		6.8		3.5	100																
105	7.8	6.7			11.8	8.3		11.6	8.2		11.2			10.4			7.1		9.4			6.7		6.7		3.5	105																
110	7.3	6.3			11.3	7.9		11.2	7.9		10.8	7.6		10.1			6.8		9.1			6.5		6.6		3.5	110																
115	6.9	6	4.6		10.8	7.6		10.7	7.6		10.4	7.4		9.8	6.9		6.5		8.8			6.3		6.5		3.5	115																
120	6.5	5.7	4.5		10.3	7.4		10.3	7.3		10	7.2		9.5	6.9		6.3		8.6			6		6.4		3.5	120																
125	6.1	5.4	4.3		9.8	7.1		9.9	7		9.7	6.9		9.2	6.7		6		8.3			5.7		6.2		3.4	125																
130	5.8	5.2	4		9.4	6.8		9.5	6.8		9.3	6.7		8.9	6.5		5.6		8.1	6.1		5.3		6		3.4	130																
135	5.5	4.9	3.8		9	6.6	4.8	9.1	6.6		9	6.5		8.5	6.3		5.3	4.7	7.8	5.9		5	4.5	5.8		3.3	135																
140	5.2	4.7	3.6		8.6	6.4	4.7	8.7	6.4	4.6	8.6	6.3	4.5	8.2	6.1		4.9	4.6	7.6	5.8		4.6	4.3	5.7	4.8	3.2	140																
145	4.9	4.5	3.5		8.2	6.1	4.5	8.4	6.2	4.5	8.3	6.1	4.5	7.9	5.9		4.5	4.4	7.4	5.6		4.3	4.2	5.5	4.6	3.1	145																
150	4.6	4.3	3.3		7.8	5.9	4.4	8	6	4.4	8	5.9	4.4	7.7	5.7		4	4.2	7.2	5.5		3.8	4	5.3	4.5	2.9	3.7	150															
155	4.4	4	3.2		7.5	5.7	4.3	7.7	5.8	4.3	7.7	5.7	4.3	7.5	5.6	4.2	3.5	4	6.9	5.3		3.4	3.9	5	4.3		3.6	155															
160	4.2	3.8	3.1		7.2	5.5	4.2	7.4	5.6	4.2	7.4	5.6	4.2	7.2	5.4	4.1	3.1	3.9	6.7	5.2		3	3.7	4.8	4.2		3.4	160															
165	3.9	3.6	3.1		6.9	5.4	4.1	7.1	5.4	4.1	7.2	5.4	4.1	7	5.3	4		3.7	6.3	5.1			3.5	4.6	4.1		3.3	165															
170	3.8	3.5	3		6.6	5.2	4	6.8	5.3	4	6.9	5.3	4	6.7	5.1	3.9		3.6	6	4.9	3.9		3.4	4.4	3.9		3.2	170															
175	3.6	3.4			6.3	5	3.9	6.6	5.1	3.9	6.7	5.1	3.9	6.5	5	3.9		3.4	5.7	4.8	3.8		3.2	4.2	3.8		3	175															
180					6.1	4.9	3.8	6.3	5	3.8	6.5	5	3.8	6.2	4.9	3.8		3.1	5.3	4.7	3.7		3	4	3.7			180															
185					5.9	4.8	3.7	6.1	4.8	3.7	6.2	4.8	3.7	6	4.8	3.7			5	4.6	3.6			3.8	3.6			185															
190					5.6	4.6	3.6	5.9	4.7	3.7	6	4.7	3.7	5.7	4.6	3.7			4.6	4.5	3.6			3.5	3.4			190															
195					5.4	4.5	3.6	5.7	4.6	3.6	5.8	4.6	3.6	5.5	4.5	3.6			4.3	4.4	3.5			3.2	3.3			195															
200					5.2	4.4	3.5	5.5	4.4	3.5	5.6	4.5	3.6	5.1	4.4	3.5			3.9	4.3	3.5			2.8	3.2			200															
205					5	4.2	3.5	5.3	4.3	3.5	5.4	4.4	3.5	4.8	4.3	3.5			3.6	4.2	3.4				3			205															
210					4.8	4.1	3.4	5.1	4.2	3.4	5.2	4.3	3.5	4.4	4.2	3.4			3.2	4.1	3.4				2.9			210															
215					4.6	4	3.4	4.9	4.1	3.4	5	4.2	3.4	4	4.1	3.4			2.8	4	3.4				2.7			215															
220					4.5	3.9		4.7	4	3.4	4.8	4.1	3.4	3.7	4	3.4				3.8	3.3							220															
225					4.3	3.8		4.6	3.9	3.4	4.5	4	3.3	3.3	3.9	3.3				3.5	3.3							225															
230					4.1	3.7		4.4	3.8		4.3	3.9	3.3		3.7	3.3				3.1	3.3							230															
235					4	3.6		4.3	3.7		4.1	3.8	3.3		3.6	3.3				2.8	3.2							235															
240					3.9	3.5		4.1	3.6		3.8	3.7	3.3		3.4	3.3					3.1							240															
245					3.7	3.4		4	3.6		3.4	3.6			3.1	3.3					2.9							245															
250					3.6			3.9	3.5		3.1	3.5																250															
255					3.5			3.8	3.4		2.8	3.4																255															
260					3.4			3.6	3.4			3.2																260															
265								3.5				2.9																265															
270								3.4																				270															
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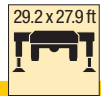
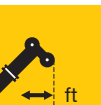
* adapter

t_180_51705_00_000 / 51725_00_000 / 51745_00_000



Lifting capacities

TYVEF

        85%																			
 ft	132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*			215 + 20 ft*			 ft
	20 ft			20 ft			20 ft			20 ft			20 ft			20 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	127.3																		32
34	127.3			122.1			104.3												34
36	127.3			121.4			106.4												36
38	127.3	83.5		120.6	84		110.5			93.7									38
40	127.1	82.9		119.6	83.5		110.1			97									40
45	122	80.6	62.8	116.2	82.1	63.4	108.1	82.6	63.6	96	82.5		83.2						45
50	115.4	78.2	61.9	111.2	80	62.4	104.3	81	62.7	94	81.6	63	81.8	78.9		69.8			50
55	109.5	75.9	61	103.3	77.8	61.6	99.9	78.9	61.9	91.2	79.9	62.2	80.5	77.7	63.2	68.6	68.8		55
60	102.9	73.8	60.2	96.3	75.8	60.8	94.8	77	61.2	88	78.1	61.5	78.3	76.9	62.5	67.5	67.8	62.1	60
65	96.5	71.9	59.6	90.3	73.9	60.1	89	75.2	60.5	83.1	76.4	60.8	76	75.3	61.9	66.4	66.7	61.5	65
70	90.4	70.1	58.9	84.9	72.1	59.5	83.9	73.5	59.9	78.2	74.3	60.2	73	72.8	61.3	64.9	65.3	61	70
75	84.6	68.4	58.3	79.9	70.5	58.9	79.3	71.9	59.3	73.8	72.1	59.7	68.9	69.9	60.8	63	63.5	60.4	75
80	79.2	66.9	57.9	74.9	69	58.4	75.1	70.2	58.8	69.9	69.9	59.2	65.1	66	60.3	60.6	61.2	59.9	80
85	73.7	65.5	57.5	70.5	67.5	58	71	68.3	58.3	66.3	66.4	58.7	61.8	62.5	59.8	57.4	57.9	58.2	85
90	68	64.2	57.2	66.4	66.1	57.6	67.1	66.6	57.9	62.8	63.1	58.3	58.6	59.5	58.9	54.5	54.8	55.3	90
95	62.8	62.7	57	62.2	63.5	57.2	63.5	64	57.6	59.3	60	57.6	55.7	56.6	56.6	51.7	52.1	52.5	95
100	58.1	59.7	56.8	57.8	59.5	57	60.1	60.7	57.1	56.2	56.8	56.5	52.7	53.8	54.2	49.1	49.5	49.9	100
105	53.9	55.4	55.8	53.6	55.1	55.7	56.5	57.6	56.6	53.3	53.9	54.4	49.9	51.1	51.6	46.5	47.1	47.5	105
110	50	51.4		49.7	51.2	52	52.9	54.1	54.9	50.5	51.1	51.6	47.2	48.4	49	43.9	44.7	45.3	110
115	46.6	47.8		46.1	47.6	48.3	49.5	50.6	51.3	47.6	48.5	49.1	44.8	45.9	46.5	41.6	42.3	43	115
120	43.1	44.4		42.7	44.2	44.8	46.3	47.3	47.9	44.7	45.9	46.5	42.5	43.6	44.1	39.4	40.1	40.7	120
125	40.1	41.2		39.6	41		43.3	44.2	44.8	42	43.1	43.9	40.3	41.4	41.9	37.3	38	38.6	125
130	37.2	38.3		36.8	38		40.5	41.4	41.9	39.3	40.4	41.2	37.8	39.2	39.9	35.4	36	36.6	130
135	34.2	35.4		34	35.2		37.8	38.7	39.2	36.8	37.8	38.4	35.5	36.8	37.6	33.4	34.2	34.7	135
140	31.7	32.6		31.4	32.6		35.4	36.2		34.4	35.2	35.8	33.2	34.6	35.3	31.4	32.3	32.9	140
145	28.1			29.1	30		33	33.8		31.9	32.9	33.4	31	32.4	33	29.3	30.3	31	145
150	23.8			26.8	27.7		30.8	31.6		29.8	30.6		28.9	30.2	30.7	27.3	28.3	29	150
155	18.6			24.7			28.6	29.4		27.6	28.5		26.8	28	28.5	25.4	26.4	27	155
160	11.9			21.6			26.7	27.3		25.7	26.4		25	26		23.7	24.6	25.2	160
165				18			24.9	25.4		23.9	24.6		23.2	24.2		22	22.8	23.3	165
170				13.8			23	23.6		22.2	22.7		21.4	22.4		20.3	21.1		170
175				8.5			20.2	21.2		20.5	21.1		19.8	20.7		18.8	19.5		175
180							17.1			19	19.5		18.3	19.2		17.1	17.9		180
185							13.6			17.3	18		16.9	17.7		15.8	16.4		185
190							9.3			14.9			15.5	16.2		14.4	15		190
195										12.3			14.2	14.9		13.1	13.6		195
200										9.4			12.6	13.5		11.8	12.4		200
205										6			10.5			10.6	11.1		205
210													8.4			9.5	9.9		210
215													5.9			8	8.7		215
220																6.1			220

* adapter

t_180_61101_00_000 / 61121_00_000 / 61141_00_000

Lifting capacities

TYVEF

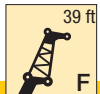
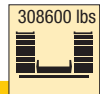
		 132 – 215 ft T				 Y				 11.5 ft V				 E				 20 ft F				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%					
 ft	132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*				 ft														
	20 ft				20 ft				20 ft				20 ft				20 ft				20 ft																		
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°															
28	127.3																									28													
30	127.3					121.5																				30													
32	127.3					122.1																				32													
34	127.3	84.6				122.1				106.5																34													
36	127.3	84.1				121.4	84.4			110.3																36													
38	127.3	83.5	64.4			120.6	84			110.5				96.5												38													
40	127.1	82.9	63.9			119.6	83.5			110.1				97												40													
45	122	80.6	62.8	56		116.2	82.1	63.4	56	108.1	82.6	63.6		96	82.5			83.2								45													
50	115.4	78.2	61.9	55.9		111.2	80	62.4	55.9	104.3	81	62.7	55.8	94	81.6	63		81.8	78.9			69.8				50													
55	109.5	75.9	61	55.7		103.3	77.8	61.6	55.7	99.9	78.9	61.9	55.6	91.2	79.9	62.2	55.6	80.5	77.7	63.2		68.6	68.8			55													
60	100.8	73.8	60.2	55.4		96.1	75.8	60.8	55.6	94.8	77	61.2	55.6	88	78.1	61.5	55.5	78.3	76.9	62.5	56.2	67.5	67.8	62.1		60													
65	91.4	71.9	59.6			88.2	73.9	60.1	55.3	88.9	75.2	60.5	55.4	83.1	76.4	60.8	55.4	76	75.3	61.9	56.2	66.4	66.7	61.5	56.1	65													
70	83	70.1	58.9			80.1	72.1	59.5		81.6	73.5	59.9	55.1	77.8	74.3	60.2	55.2	73	72.8	61.3	56.2	64.9	65.3	61	56.1	70													
75	75.6	68.4	58.3			73	70.4	58.9		74.8	71.2	59.3		71.6	72.1	59.7	54.9	68.2	69.9	60.8	56.2	63	63.5	60.4	56.1	75													
80	69.1	66.9	57.9			66.7	68.8	58.4		68.8	69.6	58.8		65.8	67.8	59.2	54.7	62.9	65.3	60.3	56.2	59.7	61.2	59.9	56.1	80													
85	63.2	64.7	57.5			61.2	63.5	58		63.5	65.1	58.3		60.7	62.6	58.4	54.6	58	60.3	59.5	56.2	55.1	57.2	58.2	56.1	85													
90	58	60.1	57.2			56.2	58.4	57.4		58.6	60.4	57.8		56	57.8	58		53.6	55.8	57.3	56.2	50.9	52.8	54.4	55.6	90													
95	53	54.9	55.3			51.6	53.7	55.1		54.2	55.9	56.2		51.7	53.4	54.7		49.4	51.6	53.1		46.9	48.7	50.2	51.3	95													
100	48.5	50.2	51.2			47.4	49.4	50.6		50.1	51.7	53		47.9	49.4	50.8		45.6	47.6	49.1		43.2	44.9	46.4		100													
105	44.3	46	46.8			43.5	45.4	46.5		46.5	47.9	49.1		44.3	45.7	47		42.1	44.1	45.3		39.9	41.5	42.8		105													
110	40.4	42				40	41.7	42.6		43	44.4	45.4		40.9	42.3	43.4		38.9	40.8	42		36.7	38.3	39.5		110													
115	37.1	38.4				36.6	38.2	38.9		39.9	41.1	42.1		37.8	39.2	40.2		36	37.7	38.9		33.9	35.3	36.5		115													
120	33.8	35.2				33.4	34.9	35.6		37	38.2	39		35	36.2	37.2		33.3	34.9	36		31.3	32.7	33.7		120													
125	30.9	32				30.6	31.8			34.2	35.3	36		32.4	33.6	34.5		30.7	32.3	33.2		28.8	30.1	31.1		125													
130	28.2	29.3				27.9	29.1			31.6	32.6	33.1		30	31.1	31.9		28.4	29.9	30.8		26.6	27.8	28.7		130													
135	25.7	26.7				25.4	26.5			29.1	30	30.5		27.7	28.8	29.5		26.2	27.6	28.4		24.4	25.6	26.4		135													
140	23.4	24.2				23.1	24.2			26.9	27.7			25.6	26.6	27.3		24.2	25.5	26.3		22.4	23.6	24.3		140													
145	21.3					21	21.9			24.7	25.5			23.7	24.6	25.1		22.2	23.6	24.2		20.6	21.6	22.3		145													
150	19.2					19	19.9			22.8	23.4			21.8	22.6			20.4	21.7	22.3		18.8	19.8	20.5		150													
155	17.3					17.1				20.9	21.5			19.9	20.7			18.8	19.9	20.5		17.2	18.1	18.7		155													
160	11.9					15.4				19.1	19.8			18.2	18.9			17.2	18.3			15.6	16.5	17.1		160													
165						13.8				17.5	18			16.6	17.3			15.7	16.8			14.1	15	15.5		165													
170						12.2				16	16.5			15.1	15.6			14.3	15.2			12.8	13.5			170													
175						8.5				14.5	15			13.6	14.2			12.9	13.8			11.5	12.2			175													
180										13.2				12.3	12.7			11.5	12.4			10.2	10.9			180													
185										11.9				11	11.4			10.3	11			9	9.7			185													
190										9.2				9.8				9.1	9.8			7.8	8.5			190													
195														8.6				8	8.6			6.7	7.3			195													
200														7.6				6.9	7.5			5.6	6.2			200													
205														5.8				5.7				4.5	5			205													
210																		4.6				3.4	3.9			210													
215																		3.6					2.7			215													

* adapter

t.180_61105_00_000 / 61125_00_000 / 61145_00_000 / 61165_00_000

Lifting capacities

TYVEF

		 132 – 215 ft T				 11.5 ft Y				 39 ft V				 39 ft E				 39 ft F				 29.2x27.9 ft				 360°				 308600 lbs				 85%															
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	39 ft								39 ft								39 ft								39 ft								39 ft								39 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
36	85.5					87																											36																
38	83.4					85																											38																
40	81.4					83.1				82.6																							40																
45	76.7					78.7				79				79																			45																
50	72.7	46.4				74.7	47.2			75.3				75.6				71.2															50																
55	68.8	44.8				71.1	45.6			71.9	46.1			72.4	47.3			69.5				62.1											55																
60	65.5	43.3	33.4	25.1		67.8	44.2	33.7		68.9	44.8			69.5	46.1			68.2				61.2											60																
65	62.2	42	32.8	24.9		64.9	42.9	33.1	24.9	66	43.5	33.2		66.9	44.8	33.9		66.2	44.5			60.2	43.9										65																
70	59.1	40.7	32.3	24.7		62.1	41.7	32.5	24.7	63.4	42.3	32.7	24.7	64.3	43.7	33.4	24.7	64	43.4	33.2		59.2	43										70																
75	56.3	39.5	31.8	24.4		59.4	40.6	32.1	24.5	61.1	41.2	32.2	24.5	62	42.6	33	24.6	61.9	42.4	32.8	24.4	58.1	42.1	32.7									75																
80	53.7	38.4	31.3	24.3		56.9	39.5	31.6	24.3	58.7	40.1	31.8	24.4	59.9	41.6	32.6	24.4	59.9	41.4	32.4	24.3	56.4	41.2	32.3	25.4								80																
85	51.4	37.4	30.9			54.4	38.5	31.2	24.2	56.5	39.2	31.4	24.2	57.8	40.6	32.1	24.2	57.3	40.5	32	24.1	54.5	40.3	31.9	25.2								85																
90	49.3	36.4	30.5			52.1	37.5	30.8		54.4	38.3	31	24.1	55.8	39.7	31.8	24.1	55	39.7	31.7	24	51.9	39.5	31.6	25.1								90																
95	47.2	35.5	30.1			50.2	36.6	30.4		52.4	37.4	30.6		53.7	38.8	31.4	24	53.4	38.9	31.3	23.9	49.3	38.8	31.3	25								95																
100	45.3	34.7	29.8			48.4	35.8	30.1		50.5	36.6	30.3		51.8	38	31.1		51.1	38.2	31	23.8	46.9	38	31	24.9								100																
105	43.7	34	29.5			46.5	35	29.9		48.8	35.8	30		49.8	37.3	30.8		48.7	37.4	30.7	23.8	44.7	37.3	30.7	24.8								105																
110	42.1	33.3	29.3			44.8	34.3	29.6		47.1	35.1	29.7		48.1	36.5	30.5		46.2	36.7	30.5	23.7	42.5	36.7	30.4	24.8								110																
115	40.6	32.6	29.2			43.4	33.7	29.4		45.3	34.4	29.5		46.3	35.8	30.2		43.9	36.1	30.2		40.3	36.1	30.2	24.7								115																
120	39.3	32	29			41.9	33	29.2		43.4	33.8	29.3		44.2	35.2	30		41.7	35.4	30		38.2	35.5	30									120																
125	38.1	31.5	28.8			40.5	32.4	29		42.1	33.2	29.1		41.9	34.6	29.7		39.6	34.8	29.8		36.2	35	29.8									125																
130	36.9	31				38.6	31.9	28.9		40.8	32.7	28.9		39.5	34	29.6		37.7	34.3	29.6		34.4	34.4	29.6									130																
135	35.6	30.6				36.3	31.4	28.7		39	32.2	28.8		37.2	33.5	29.4		35.8	33.8	29.4		32.6	33.5	29.4									135																
140	33.9	30.2				33.8	30.9			36.6	31.7	28.7		35	33	29.2		33.7	33	29.3		31	32.2	29.2									140																
145	31.9	29.8				31.3	30.5			34.4	31.1	28.6		32.9	32.3	29.1		31.7	32.4	29.1		29.3	30.5	29.1									145																
150	29.6	29.5				29.1	29.6			32.3	30.6	28.5		30.9	31.7	29.1		29.7	31.3	29		27.5	29	29									150																
155	27.5	28.4				26.9	28.5			30.2	30.2			28.9	31	29		27.8	29.6	28.9		25.8	27.5	28.2									155																
160	25.1	26.7				25.1	26.5			28.1	29			27	28.9	28.9		26.1	27.8	28.3		24	25.8	27									160																
165	21.7					23.2	24.5			26.3	27.5			25.2	26.9	27.8		24.4	26	27.2		22.4	24.1	25.4									165																
170	18					21.5	22.6			24.6	25.9			23.4	25.2			22.8	24.3	25.3		20.9	22.5	23.7									170																
175	13.6					19.2				23	24.1			21.9	23.4			21.3	22.7	23.6		19.4	21	22.1									175																
180	7.8					16.4				21.4	22.5			20.3	21.8			19.7	21.1			18.1	19.5	20.5									180																
185						13.3				19.9	20.9			18.9	20.3			18.3	19.6			16.8	18.2	19.1									185																
190						9.6				17.8	19.3			17.5	18.8			16.9	18.1			15.5	16.8										190																
195						5.3				15.4				16.2	17.4			15.6	16.8			14.1	15.5											195															
200										12.7				14.9	16			14.4	15.4			13	14.2											200															
205										9.6				13	14.7			13.1	14.2			11.7	12.9											205															
210										6.2				10.9				12.1	12.9			10.6	11.8											210															
215														8.6				10.9	11.8			9.6	10.6											215															
220														6.2				9.2	10.6			8.5	9.5											220															
225																		7.3				7.4	8.4											225															
230																		5.3				6.2	7.3											230															
235																						4.7	6.1											235															
240																						3												240															

* adapter

t_180_61201_00_000 / 61221_00_000 / 61241_00_000 / 61261_00_000

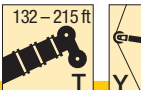
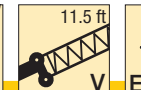
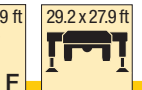
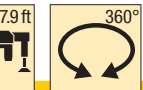
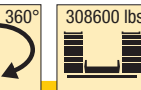
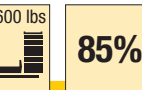
		 132 – 215 ft				 11.5 ft				 39 ft				 29.2x27.9 ft				 360°				 220500 lbs				 85%																							
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	39 ft								39 ft								39 ft								39 ft								39 ft								39 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
32	90																															32																	
34	87.7				88.6																											34																	
36	85.5				87																											36																	
38	83.4				85																											38																	
40	81.4				83.1				82.6																							40																	
45	76.7	48.1			78.7				79				79																			45																	
50	72.7	46.4			74.7	47.2			75.3				75.6				71.2															50																	
55	68.8	44.8	34.1		71.1	45.6			71.9	46.1			72.4	47.3			69.5												62.1			55																	
60	65.5	43.3	33.4	25.1	67.8	44.2	33.7		68.9	44.8			69.5	46.1			68.2												61.2			60																	
65	62.2	42	32.8	24.9	64.9	42.9	33.1	24.9	66	43.5	33.2		66.9	44.8	33.9		66.2	44.5										60.2	43.9			65																	
70	59.1	40.7	32.3	24.7	62.1	41.7	32.5	24.7	63.4	42.3	32.7	24.7	64.3	43.7	33.4	24.7	64	43.4	33.2									59.2	43			70																	
75	56.3	39.5	31.8	24.4	59.4	40.6	32.1	24.5	61.1	41.2	32.2	24.5	62	42.6	33	24.6	61.9	42.4	32.8	24.4								58.1	42.1	32.7		75																	
80	53.7	38.4	31.3	24.3	56.9	39.5	31.6	24.3	58.7	40.1	31.8	24.4	59.9	41.6	32.6	24.4	59.3	41.4	32.4	24.3								56.4	41.2	32.3	25.4	80																	
85	51.4	37.4	30.9		54.4	38.5	31.2	24.2	56.3	39.2	31.4	24.2	56.8	40.6	32.1	24.2	56.6	40.5	32	24.1									53.8	40.3	31.9	25.2	85																
90	49.3	36.4	30.5		52.1	37.5	30.8		53.9	38.3	31	24.1	54.1	39.7	31.8	24.1	53.2	39.7	31.7	24								49.9	39.5	31.6	25.1	90																	
95	47.2	35.5	30.1		50.2	36.6	30.4		51.4	37.4	30.6		51.1	38.8	31.4	24	49.2	38.9	31.3	23.9								46.2	38.8	31.3	25	95																	
100	45.3	34.7	29.8		47.8	35.8	30.1		49.2	36.6	30.3		47.6	38	31.1		45.6	38.2	31	23.8								42.6	38	31	24.9	100																	
105	43.7	34	29.5		44.6	35	29.9		46.5	35.8	30		44.1	37.3	30.8		42.2	37.4	30.7	23.8								39.5	37.3	30.7	24.8	105																	
110	42	33.3	29.3		41.2	34.3	29.6		43.2	35.1	29.7		40.9	36.5	30.5		39.1	36.7	30.5	23.7								36.5	36.7	30.4	24.8	110																	
115	39.4	32.6	29.2		38	33.7	29.4		40.2	34.4	29.5		38	35.7	30.2		36.3	35.8	30.2									33.8	35.5	30.2	24.7	115																	
120	36.2	32	29		35.1	33	29.2		37.4	33.8	29.3		35.2	35.1	30		33.7	35.1	30									31.2	33.8	30		120																	
125	33.3	31.5	28.8		32.4	32.4	29		34.8	33.2	29.1		32.7	34.2	29.7		31.2	33.5	29.8									28.9	31.5	29.8		125																	
130	30.7	31			30	31.6	28.9		32.3	32.5	28.9		30.4	33	29.5		29	31.3	29.5									26.7	29.1	29.4		130																	
135	28.2	29.9			27.5	29.6	28.7		30.1	31.5	28.8		28.2	30.6	29.4		26.8	29.1	29.3									24.6	27	28.4		135																	
140	25.9	27.6			25.4	27.1			28	29.9	28.7		26.2	28.5	29.2		24.9	27	28.2									22.7	24.9	26.7		140																	
145	23.8	25.3			23.2	24.9			26	27.8	28.3		24.3	26.5	27.9		23	25	26.5									20.9	23	24.7		145																	
150	21.8	23.1			21.2	22.9			24.2	25.7	26.7		22.5	24.6	25.9		21.3	23.2	24.6									19.2	21.3	22.8		150																	
155	19.9	21.1			19.3	20.8			22.3	23.7			20.8	22.8	24		19.6	21.4	22.7									17.6	19.5	21		155																	
160	18.1	19.2			17.6	19			20.6	22			19.2	21.1	22.2		18.1	19.8	21									16.1	17.9	19.3		160																	
165	16.5				15.9	17.2			18.9	20.2			17.8	19.5	20.4		16.6	18.2	19.3									14.7	16.4	17.7		165																	
170	14.9				14.4	15.5			17.4	18.6			16.3	18			15.3	16.8	17.8									13.4	15	16.1		170																	
175	13.4				13				16	17			14.9	16.5			14	15.4	16.3									12.1	13.6	14.7		175																	
180	7.8				11.6				14.6	15.6			13.5	15			12.7	14.1										10.9	12.3	13.3		180																	
185					10.3				13.3	14.2			12.3	13.6			11.6	12.9										9.8	11.1	12		185																	
190					9.1				12.1	12.9			11.1	12.3			10.4	11.6										8.7	9.9			190																	
195					5.3				11				9.9	11.1			9.3	10.4										7.6	8.9			195																	
200									9.9				8.8	9.9			8.3	9.2										6.6	7.8			200																	
205									8.9				7.9	8.8			7.3	8.2										5.6	6.7			205																	
210									6.1				7				6.3	7.2										4.6	5.7			210																	
215													6				5.2	6.2											4.7			215																	
220													5				4.3	5														220																	
225																	3.3															225																	

* adapter

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Lifting capacities

TYVEF

		 132 – 215 ft								 11.5 ft								 59 ft				 29.2x27.9 ft				 360°				 308600 lbs				 85%															
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	59 ft								59 ft								59 ft								59 ft								59 ft								59 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
36	63.5																																36																
38	61.9				62.6																												38																
40	60.4				61.2																												40																
45	56.8				57.8								57.8																				45																
50	53.6				54.8								55												53								50																
55	50.9	32.6			52.1								52.5												51.6				50.2				55																
60	48.2	31.4			49.7	32							50.2	32.1											49.7				48.6				60																
65	46.1	30.3			47.3	30.9							48	31.1											47.8				47				65																
70	43.9	29.3	22.1		45.4	29.9							46	30.2											46	30.9			45.5				70																
75	41.9	28.3	21.6		43.4	29	21.8						44.2	29.3	21.8										44.4	30.1			44	30			75																
80	39.9	27.4	21.1	14.2	41.6	28.1	21.3	14.2					42.5	28.5	21.4										42.9	29.4			42.6	29.3			80																
85	38.1	26.6	20.6	14.1	39.9	27.3	20.8	14.1					40.9	27.7	21	14									41.4	28.6	21.7		41.4	28.6			85																
90	36.3	25.8	20.2	13.9	38.3	26.5	20.4	14					39.3	26.9	20.5	13.9									40.2	28	21.4		40.2	28	21.3		90																
95	34.8	25.1	19.7	13.8	36.7	25.8	20	13.8					38	26.2	20.2	13.8									38.9	27.3	21.1	14.4	39	27.4	21.1		95																
100	33.4	24.4	19.4	13.7	35.3	25.1	19.7	13.7					36.7	25.6	19.8	13.7									37.7	26.7	20.8	14.3	38	26.8	20.8	14.2	100																
105	32	23.8	19		34	24.5	19.3	13.6					35.4	25	19.5	13.6									36.6	26.1	20.5	14.2	36.9	26.3	20.5	14.2	105																
110	30.6	23.2	18.7		32.7	23.9	19						34.2	24.4	19.2	13.5									35.5	25.6	20.2	14.1	35.9	25.7	20.2	14.1	110																
115	29.5	22.6	18.4		31.4	23.3	18.7						33	23.8	18.9										34.5	25	19.9	14	35	25.2	20	14	115																
120	28.4	22.1	18.1		30.2	22.8	18.4						31.8	23.3	18.6										33.5	24.5	19.7	14	34.1	24.8	19.7	14	120																
125	27.4	21.6	17.9		29.2	22.3	18.1						30.7	22.8	18.4										32.6	24.1	19.4		33.2	24.3	19.5	13.9	125																
130	26.5	21.1	17.7		28.2	21.8	17.9						29.6	22.4	18.1										31.7	23.6	19.2		32.4	23.9	19.3	13.9	130																
135	25.6	20.6	17.5		27.3	21.4	17.7						28.7	21.9	17.9										30.8	23.2	19		31.6	23.5	19.1	13.8	135																
140	24.8	20.2	17.3		26.4	20.9	17.5						27.8	21.5	17.7										30	22.8	18.8		30.4	23.1	18.9		140																
145	24	19.7	17.1		25.6	20.5	17.3						27	21.1	17.5										29.1	22.4	18.6		29.2	22.7	18.7		145																
150	23.2	19.4			24.9	20.1	17.2						26.1	20.7	17.4										27.9	22	18.4		27.8	22.3	18.5		150																
155	22.5	19			24.2	19.7	17.1						25.5	20.2	17.2										27.1	21.7	18.2		26.3	22	18.3		155																
160	21.8	18.6			23.4	19.3							24.8	19.9	17.1										26.3	21.3	18.1		24.7	21.6	18.2		160																
165	21.1	18.4			22.8	19							23.9	19.5	17										24.8	21	17.9		23.1	21.3	18		165																
170	20.4	18.1			22.1	18.6							23.2	19.2											23.3	20.7	17.8		21.6	21	17.9		170																
175	19.7	17.9			21.1	18.4							22.6	18.9											21.8	20.4	17.7		20.2	20.7	17.8		175																
180	19				20.2	18.1							22	18.6											20.5	20.1	17.6		18.9	20.3	17.7		180																
185	16.9				18.8	17.9							21.2	18.3											19.2	19.8	17.5		17.6	19.7	17.6		185																
190	13.6				17.2	17.6							20	18											17.9	19.4	17.5		16.4	18.4	17.5		190																
195	9.7				14.9								18.8	17.8											16.6	18.8	17.4		15.2	17.2	17.4		195																
200					12.4								17.5	17.6											15.4	17.5			14.2	16	17.2		200																
205					9.7								15.9	17.1											14.3	16.2			13.1	14.8	16		205																
210					6.6								14	13.5											13.1	15			12	13.7			210																
215													11.8												12.1	13.8			11	12.6			215																
220													9.4												11.5	13.1			9.9	11.5			220																
225													6.8												9.8	11.8			8.9	10.4			225																
230													3.6												8				8	9.4			230																
235																									6				7.1	8.4			235																
240																									3.6				6.1	7.4			240																
245																													5.1	6.5			245																
250																													3.8	5.4			250																
255																														4.2				255															

* adapter

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Lifting capacities

TYVEF

		 132 – 215 ft T				 11.5 ft Y				 59 ft V				 59 ft E				 59 ft F				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%															
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	59 ft								59 ft								59 ft								59 ft								59 ft								59 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
34	64.9																																34																
36	63.5																																36																
38	61.9				62.6																												38																
40	60.4				61.2																												40																
45	56.8				57.8				57.8				57.2																				45																
50	53.6				54.8				55				55.1				53																50																
55	50.9	32.6			52.1				52.5				52.7				51.6												50.2				55																
60	48.2	31.4			49.7	32			50.2	32.1			50.5				49.7												48.6				60																
65	46.1	30.3			47.3	30.9			48	31.1			48.4	31.4			47.8												47				65																
70	43.9	29.3	22.1		45.4	29.9			46	30.2			46.6	30.5			46	30.9											45.5				70																
75	41.9	28.3	21.6		43.4	29	21.8		44.2	29.3	21.8		44.8	29.6			44.4	30.1										44	30				75																
80	39.9	27.4	21.1	14.2	41.6	28.1	21.3	14.2	42.5	28.5	21.4		43.1	28.8	21.5		42.9	29.4										42.6	29.3				80																
85	38.1	26.6	20.6	14.1	39.9	27.3	20.8	14.1	40.9	27.7	21	14	41.7	28.1	21.1		41.4	28.6	21.7									41.4	28.6				85																
90	36.3	25.8	20.2	13.9	38.3	26.5	20.4	14	39.3	26.9	20.5	13.9	40.2	27.4	20.7	13.9	40.2	28	21.4									40.2	28	21.3			90																
95	34.8	25.1	19.7	13.8	36.7	25.8	20	13.8	38	26.2	20.2	13.8	38.7	26.7	20.3	13.8	38.9	27.3	21.1	14.4								39	27.4	21.1			95																
100	33.4	24.4	19.4	13.7	35.3	25.1	19.7	13.7	36.7	25.6	19.8	13.7	37.5	26.1	20	13.7	37.7	26.7	20.8	14.3								38	26.8	20.8	14.2		100																
105	32	23.8	19		34	24.5	19.3	13.6	35.4	25	19.5	13.6	36.4	25.5	19.7	13.6	36.6	26.1	20.5	14.2								36.9	26.3	20.5	14.2		105																
110	30.6	23.2	18.7		32.7	23.9	19		34.2	24.4	19.2	13.5	35.2	24.9	19.4	13.5	35.5	25.6	20.2	14.1								35.6	25.7	20.2	14.1		110																
115	29.5	22.6	18.4		31.4	23.3	18.7		33	23.8	18.9		33.9	24.3	19.1	13.4	34	25	19.9	14								33.7	25.2	20	14		115																
120	28.4	22.1	18.1		30.2	22.8	18.4		31.8	23.3	18.6		32.8	23.8	18.8		33	24.5	19.7	14								31.6	24.8	19.7	14		120																
125	27.4	21.6	17.9		29.2	22.3	18.1		30.6	22.8	18.4		31.5	23.3	18.5		31.1	24.1	19.4									29.3	24.3	19.5	13.9		125																
130	26.5	21.1	17.7		28.2	21.8	17.9		29.3	22.4	18.1		30.3	22.8	18.3		29.1	23.6	19.2									27.2	23.9	19.3	13.9		130																
135	25.6	20.6	17.5		27.3	21.4	17.7		28.4	21.9	17.9		28.7	22.4	18.1		27	23.2	19									25.2	23.5	19.1	13.8		135																
140	24.8	20.2	17.3		26.2	20.9	17.5		27.5	21.5	17.7		26.9	22	17.9		25.1	22.8	18.8									23.4	23.1	18.9			140																
145	24	19.7	17.1		24.9	20.5	17.3		26.5	21.1	17.5		25	21.6	17.7		23.3	22.4	18.6									21.6	22.7	18.7			145																
150	23	19.4			23	20.1	17.2		25.1	20.7	17.4		23.3	21.2	17.5		21.7	22	18.4									20	22.3	18.5			150																
155	21.7	19			21.3	19.7	17.1		23.4	20.2	17.2		21.7	20.7	17.4		20.1	21.7	18.2									18.4	21.2	18.3			155																
160	20.3	18.6			19.5	19.3			21.8	19.8	17.1		20.1	20.3	17.2		18.5	21.3	18.1									16.9	19.6	18.2			160																
165	18.6	18.4			17.9	18.7			20.4	19.4	17		18.6	19.9	17.1		17.1	19.9	17.9									15.6	18.2	18			165																
170	17.1	17.9			16.4	18			18.9	19.1			17.3	19.2	17		15.8	18.5	17.8									14.3	16.7	17.9			170																
175	15.6	17			14.9	16.8			17.5	18.5			16	18	16.9		14.5	17.1	17.7									13	15.4	16.9			175																
180	14.3				13.5	15.2			16.1	17.5			14.8	16.7			13.3	15.8	17									11.8	14.1	15.8			180																
185	13				12.3	13.8			14.8	16.4			13.6	15.4			12.2	14.5	15.9									10.7	12.8	14.4			185																
190	11.7				11	12.4			13.6	15.1			12.5	14.2			11.1	13.3	14.6									9.6	11.7	13.1			190																
195	9.6				9.9				12.4	13.8			11.3	12.9			10	12.2	13.4									8.6	10.5	11.9			195																
200					8.8				11.4	12.6			10.3	11.7			9.1	11.1										7.7	9.5	10.7			200																
205					7.8				10.3	11.4			9.2	10.6			8.2	10										6.7	8.5	9.6			205																
210					6.5				9.3	7.8			8.3	9.5			7.2	9										5.8	7.5				210																
215									8.4				7.4	8.4			6.4	8.1										4.9	6.6				215																
220									7.6				6.6	7.6			5.5	7.1										4	5.6				220																
225									6.7				5.7	6.7			4.6	6.2										3.1	4.7				225																
230									3.6				4.8				3.7	5.2											3.8				230																
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* adapter

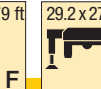
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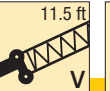
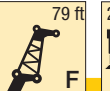
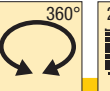
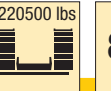
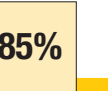
Lifting capacities

TYVEF

		 132 – 215 ft T				 11.5 ft Y				 79 ft V				 29.2x27.9 ft E				 360° F				 308600 lbs				85%																							
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	79 ft								79 ft								79 ft								79 ft								79 ft								79 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
40	47.4																															40																	
45	44.9				45.3				44.6																							45																	
50	42.5				43.1				43					42.5																		50																	
55	40.4				41				41.1					41							40.2											55																	
60	38.4				39.1				39.3					39.4							38.6				36.7							60																	
65	36.5 24				37.4				37.6					37.8							37.2				35.8							65																	
70	34.8 23.1				35.6 23.5				36.1					36.4							35.8				34.5							70																	
75	33.3 22.2				34.1 22.6				34.6 22.8					35 22.9							34.5				33.4							75																	
80	31.8 21.5				32.8 21.9				33.2 22.1					33.7 22.4							33.4 22.2				32.3							80																	
85	30.3 20.8 14.9				31.4 21.2				32 21.4					32.4 21.7							32.2 21.7				31.3 21.3							85																	
90	29.1 20.1 14.5				30.1 20.5 14.6				30.8 20.8					31.3 21.1							31.1 21.1				30.4 20.8							90																	
95	27.8 19.4 14.1				29 19.9 14.3				29.6 20.2 14.3					30.3 20.5 14.4							30.2 20.6				29.5 20.3							95																	
100	26.6 18.8 13.8 8.9				28 19.3 14 8.9				28.6 19.6 14					29.2 20 14.1							29.3 20 14.1				28.6 19.8							100																	
105	25.5 18.1 13.5 8.8				26.9 18.7 13.7 8.8				27.6 19.1 13.8 8.8					28.2 19.4 13.9							28.4 19.5 13.8				27.8 19.3 13.7							105																	
110	24.5 17.6 13.2 8.7				25.9 18.1 13.4 8.7				26.7 18.5 13.5 8.7					27.3 18.9 13.6 8.7							27.5 19 13.6 8.6				27.1 18.8 13.5							110																	
115	23.4 17 12.9 8.6				24.9 17.6 13.1 8.6				25.8 18 13.2 8.6					26.5 18.4 13.3 8.6							26.7 18.5 13.4 8.6				26.3 18.4 13.2 8.5							115																	
120	22.4 16.5 12.7 8.5				24 17.1 12.9 8.5				24.9 17.5 13 8.5					25.6 17.9 13.1 8.5							25.9 18 13.2 8.5				25.6 17.9 13 8.4							120																	
125	21.6 16 12.4				23 16.6 12.6 8.5				24.1 17 12.8 8.5					24.9 17.4 12.9 8.5							25.1 17.6 12.9 8.4				24.9 17.5 12.9 8.4							125																	
130	20.8 15.5 12.2				22.1 16.1 12.4				23.3 16.6 12.6 8.4					24.1 17 12.7 8.4							24.4 17.1 12.7 8.4				24.2 17.1 12.7 8.3							130																	
135	20 15.1 12				21.3 15.7 12.2				22.4 16.1 12.4					23.4 16.5 12.5 8.4							23.7 16.7 12.5 8.3				23.6 16.7 12.5 8.3							135																	
140	19.2 14.7 11.8				20.6 15.3 12				21.7 15.7 12.2					22.6 16.1 12.3							23.1 16.4 12.3 8.3				23 16.4 12.3 8.2							140																	
145	18.5 14.3 11.6				19.8 14.9 11.8				20.9 15.3 12					21.9 15.7 12.1							22.4 16 12.2				22.4 16 12.2 8.2							145																	
150	17.8 14 11.5				19.1 14.5 11.7				20.2 14.9 11.8					21.2 15.4 12							21.8 15.6 12				21.8 15.7 12 8.2							150																	
155	17.1 13.6 11.3				18.4 14.2 11.5				19.5 14.6 11.7					20.6 15 11.8							21.2 15.3 11.9				21.3 15.4 11.9 8.2							155																	
160	16.4 13.3 11.2				17.8 13.8 11.4				18.8 14.3 11.5					19.9 14.7 11.7							20.6 15 11.7				20.8 15.1 11.7							160																	
165	15.8 13 11.1				17.2 13.5 11.3				18.3 14 11.4					19.3 14.4 11.5							20 14.6 11.6				20.2 14.8 11.6							165																	
170	15.3 12.8				16.6 13.3 11.1				17.7 13.7 11.3					18.6 14.1 11.4							19.4 14.3 11.5				19.7 14.5 11.5							170																	
175	14.7 12.5				16 13 11.1				17.1 13.4 11.2					18.1 13.8 11.3							18.8 14.1 11.4				19.2 14.2 11.4							175																	
180	14.2 12.2				15.5 12.7				16.6 13.1 11.1					17.6 13.5 11.2							18.2 13.8 11.3				18.6 13.9 11.3							180																	
185	13.7 12				14.9 12.5				16 12.9 11					17 13.3 11.1							17.5 13.6 11.2				17.7 13.7 11.2							185																	
190	13.2 11.9				14.5 12.3				15.5 12.7					16.4 13 11							17 13.3 11.1				16.5 13.5 11.1							190																	
195	12.8 11.7				14 12.1				15.1 12.5					15.9 12.8 10.9							16.6 13.1 11				15.3 13.2 11							195																	
200	12.4				13.6 11.9				14.6 12.2					15.4 12.6							15.8 12.9 10.9				14.2 13 10.9							200																	
205	12				13.1 11.7				14.1 12					15 12.4							14.9 12.6 10.9				13.2 12.8 10.9							205																	
210	9.8				12.3 11.6				13.6 11.9					14.6 12.2							14.1 12.4 10.8				12.3 12.6 10.8							210																	
215	6.7				11.2				13.3 11.7					13.8 12							13.1 12.2				11.4 12.4 10.8							215																	
220					9				12.9 11.6					12.9 11.8							12.1 12				10.4 12.1 10.8							220																	
225					6.7				11.9 11.5					12 11.7							11 11.9				9.5 11.5 10.7							225																	
230					3.9				10.6 9.6					11 11.6							10.1 11.3				8.6 10.6							230																	
235									8.6					9.9 11.4							9.2 10.7				7.8 9.7							235																	
240									6.7					8.5 10.5							8.3 9.9				6.9 8.7							240																	
245									4.3					6.9 9.3							7.4 9				6.1 7.8							245																	
250														5.3							6.3 8.1				5.3 6.9							250																	
255														3.4							5 7.1				4.4 6.1							255																	
260																					3.6 5.9				3.4 5.2							260																	
265																									4.3							265																	
270																									3.3							270																	

* adapter

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		 132 – 215 ft								 11.5 ft								 79 ft				 29.2x27.9 ft				 360°				 220500 lbs				 85%															
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	79 ft								79 ft								79 ft								79 ft								79 ft								79 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°													
38	48.5																																			38													
40	47.4																																			40													
45	44.9								45.3					44.6																					45														
50	42.5								43.1					43							42.5														50														
55	40.4								41					41.1							41					40.2									55														
60	38.4								39.1					39.3							39.4					38.6				36.7					60														
65	36.5	24							37.4					37.6							37.8					37.2				35.8					65														
70	34.8	23.1							35.6	23.5				36.1							36.4					35.8				34.5					70														
75	33.3	22.2							34.1	22.6				34.6	22.8						35	22.9				34.5				33.4					75														
80	31.8	21.5							32.8	21.9				33.2	22.1						33.7	22.4				33.4	22.2			32.3					80														
85	30.3	20.8	14.9						31.4	21.2				32	21.4						32.4	21.7				32.2	21.7			31.3	21.3				85														
90	29.1	20.1	14.5						30.1	20.5	14.6			30.8	20.8						31.3	21.1				31.1	21.1			30.4	20.8				90														
95	27.8	19.4	14.1						29	19.9	14.3			29.6	20.2	14.3					30.3	20.5	14.4			30.2	20.6			29.5	20.3				95														
100	26.6	18.8	13.8						28	19.3	14			28.6	19.6	14					29.2	20	14.1			29.3	20	14.1		28.6	19.8				100														
105	25.5	18.1	13.5	8.8					26.9	18.7	13.7	8.8		27.6	19.1	13.8	8.8				28.2	19.4	13.9			28.4	19.5	13.8		27.8	19.3	13.7			105														
110	24.5	17.6	13.2	8.7					25.9	18.1	13.4	8.7		26.7	18.5	13.5	8.7				27.3	18.9	13.6	8.7		27.5	19	13.6	8.6	27.1	18.8	13.5			110														
115	23.4	17	12.9	8.6					24.9	17.6	13.1	8.6		25.8	18	13.2	8.6				26.5	18.4	13.3	8.6		26.7	18.5	13.4	8.6	26.3	18.4	13.2	8.5		115														
120	22.4	16.5	12.7	8.5					24	17.1	12.9	8.5		24.9	17.5	13	8.5				25.6	17.9	13.1	8.5		25.9	18	13.2	8.5	25.6	17.9	13	8.4		120														
125	21.6	16	12.4						23	16.6	12.6	8.5		24.1	17	12.8	8.5				24.9	17.4	12.9	8.5		25.1	17.6	12.9	8.4	24.9	17.5	12.9	8.4		125														
130	20.8	15.5	12.2						22.1	16.1	12.4			23.3	16.6	12.6	8.4				24.1	17	12.7	8.4		24.4	17.1	12.7	8.4	24.2	17.1	12.7	8.3		130														
135	20	15.1	12						21.3	15.7	12.2			22.4	16.1	12.4					23.4	16.5	12.5	8.4		23.7	16.7	12.5	8.3	23.6	16.7	12.5	8.3		135														
140	19.2	14.7	11.8						20.6	15.3	12			21.7	15.7	12.2					22.6	16.1	12.3			22.8	16.4	12.3	8.3	22.5	16.4	12.3	8.2		140														
145	18.5	14.3	11.6						19.8	14.9	11.8			20.9	15.3	12					21.9	15.7	12.1			22.2	16	12.2		21.4	16	12.2	8.2		145														
150	17.8	14	11.5						19.1	14.5	11.7			20.2	14.9	11.8					21.1	15.4	12			21.3	15.6	12		19.9	15.7	12	8.2		150														
155	17.1	13.6	11.3						18.4	14.2	11.5			19.4	14.6	11.7					20.3	15	11.8			20.4	15.3	11.9		18.4	15.4	11.9	8.2		155														
160	16.4	13.3	11.2						17.8	13.8	11.4			18.7	14.3	11.5					19.6	14.7	11.7			19	15	11.7		17	15.1	11.7			160														
165	15.8	13	11.1						17.2	13.5	11.3			18	14	11.4					18.8	14.4	11.5			17.6	14.6	11.6		15.6	14.8	11.6			165														
170	15.3	12.8							16.6	13.3	11.1			17.5	13.7	11.3					17.8	14.1	11.4			16.3	14.3	11.5		14.3	14.5	11.5			170														
175	14.7	12.5							15.9	13	11.1			16.9	13.4	11.2					16.6	13.8	11.3			15.1	14.1	11.4		13.1	14.2	11.4			175														
180	14.2	12.2							14.8	12.7				16.3	13.1	11.1					15.4	13.5	11.2			13.9	13.8	11.3		12	13.9	11.3			180														
185	13.7	12							13.7	12.5				15.6	12.9	11					14.2	13.3	11.1			12.8	13.4	11.2		10.9	13.5	11.2			185														
190	13.1	11.9							12.5	12.3				14.7	12.7						13.2	13	11			11.7	13.2	11.1		9.8	12.5	11.1			190														
195	12.1	11.7							11.3	12.1				13.5	12.4						12.1	12.7	10.9			10.7	12.7	11		8.9	11.5	11			195														
200	11								10.2	11.8				12.4	12.2						11.1	12.5				9.8	12	10.9		7.9	10.4	10.9			200														
205	9.9								9.2	10.8				11.4	11.9						10.2	11.9				8.8	11	10.9		7	9.4	10.8			205														
210	8.9								8.2	9.7				10.3	11.6						9.2	11				7.9	10	10.7		6.2	8.4	10			210														
215	6.6								7.3					9.4	11						8.4	10.1				7.1	9.1			5.3	7.5	9.1			215														
220									6.5					8.5	9.9						7.5	9.1				6.3	8.2			4.5	6.6	8			220														
225									5.5					7.8	9						6.7	8.1				5.4	7.2			3.6	5.7	7.1			225														
230									3.7					7	4.4						5.9	7.3				4.7	6.4				4.9				230														
235														6.3							5.1	6.5				3.9	5.6				4				235														
240														5.5							4.3	5.6				3.1	4.7				3.2				240														
245														4.1							3.4	4.7					3.9								245														
250																					2.6						3								250														

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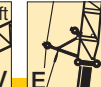
		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*					
		98 ft				98 ft				98 ft				98 ft				98 ft				98 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
45	35					34.9																				45	
50	33.2					33.2				32.7																50	
55	31.5					31.6				31.5				31.3												55	
60	29.9					30.1				30.1				30.1				29.5								60	
65	28.6					28.8				28.8				28.9				28.4				26.9				65	
70	27.2					27.6				27.6				27.7				27.4				26.4				70	
75	26	17.6				26.4				26.6				26.7				26.4				25.5				75	
80	25	16.9				25.3	17			25.6				25.8				25.4				24.7				80	
85	23.9	16.2				24.4	16.4			24.6	16.5			24.8				24.6				23.9				85	
90	22.9	15.5				23.4	15.8			23.7	15.9			23.9	16.1			23.8				23.2				90	
95	22	14.9				22.5	15.2			22.9	15.3			23.2	15.5			23	15.5			22.5				95	
100	21.1	14.4	10			21.7	14.6			22.1	14.8			22.4	15			22.3	15			21.8	14.8			100	
105	20.2	13.8	9.7			20.9	14.1	9.8		21.3	14.3			21.7	14.6			21.6	14.5			21.2	14.4			105	
110	19.4	13.3	9.5			20.2	13.6	9.5		20.6	13.9	9.5		20.9	14.1	9.6		21	14.1			20.6	14			110	
115	18.6	12.9	9.2	5.8		19.4	13.2	9.3		19.9	13.4	9.3		20.3	13.7	9.4		20.3	13.7	9.3		20	13.6			115	
120	17.8	12.4	9	5.7		18.7	12.8	9.1	5.7	19.2	13	9.1		19.6	13.3	9.2		19.7	13.3	9.1		19.4	13.2	9		120	
125	17	12	8.7	5.7		18	12.3	8.9	5.7	18.5	12.6	8.9	5.6	19	12.9	9	5.6	19.1	13	8.9		18.9	12.9	8.8		125	
130	16.3	11.6	8.6	5.6		17.2	12	8.7	5.6	17.9	12.2	8.7	5.6	18.3	12.5	8.8	5.6	18.5	12.6	8.8	5.5	18.3	12.5	8.7		130	
135	15.6	11.2	8.4	5.6		16.5	11.6	8.5	5.6	17.3	11.9	8.5	5.5	17.8	12.2	8.6	5.5	18	12.3	8.6	5.5	17.8	12.2	8.5	5.4	135	
140	15	10.9	8.2	5.5		15.8	11.2	8.3	5.5	16.7	11.6	8.4	5.5	17.2	11.8	8.5	5.5	17.4	12	8.5	5.4	17.3	11.9	8.4	5.4	140	
145	14.3	10.6	8			15.3	10.9	8.1	5.5	16	11.2	8.2	5.4	16.7	11.5	8.3	5.4	16.9	11.7	8.3	5.4	16.8	11.6	8.2	5.3	145	
150	13.7	10.3	7.9			14.7	10.6	8		15.5	10.9	8.1	5.4	16.1	11.2	8.2	5.4	16.4	11.4	8.2	5.4	16.3	11.3	8.1	5.3	150	
155	13.2	10	7.7			14.1	10.3	7.8		14.9	10.6	7.9		15.6	10.9	8	5.4	15.9	11.1	8	5.3	15.8	11.1	8	5.3	155	
160	12.6	9.7	7.6			13.5	10.1	7.7		14.4	10.3	7.8		15.1	10.6	7.9		15.5	10.8	7.9	5.3	15.4	10.8	7.9	5.3	160	
165	12.1	9.4	7.5			13	9.8	7.6		13.8	10.1	7.7		14.6	10.4	7.8		15	10.5	7.8		15.1	10.6	7.8	5.3	165	
170	11.6	9.2	7.4			12.6	9.5	7.5		13.3	9.8	7.6		14.1	10.1	7.7		14.6	10.3	7.7		14.7	10.3	7.7	5.2	170	
175	11.1	8.9	7.4			12.1	9.3	7.4		12.9	9.6	7.5		13.6	9.9	7.6		14.1	10	7.6		14.3	10.1	7.6	5.2	175	
180	10.7	8.7	7.3			11.7	9.1	7.4		12.4	9.4	7.4		13.2	9.6	7.5		13.7	9.8	7.6		13.9	9.9	7.5		180	
185	10.3	8.5	7.2			11.2	8.9	7.3		12	9.1	7.4		12.7	9.4	7.4		13.3	9.6	7.5		13.5	9.7	7.5		185	
190	9.9	8.3				10.8	8.6	7.3		11.6	8.9	7.3		12.3	9.2	7.4		12.8	9.4	7.4		13.1	9.5	7.4		190	
195	9.6	8.1				10.4	8.5	7.2		11.2	8.7	7.2		12	9	7.3		12.4	9.2	7.3		12.8	9.3	7.3		195	
200	9.2	8				10.1	8.3			10.8	8.6	7.2		11.6	8.8	7.2		12.1	9	7.2		12.4	9.1	7.3		200	
205	8.9	7.9				9.7	8.1			10.5	8.4	7.1		11.2	8.6	7.2		11.7	8.8	7.2		12	8.9	7.2		205	
210	8.6	7.7				9.4	8			10.1	8.2			10.8	8.5	7.1		11.4	8.7	7.1		11.7	8.8	7.1		210	
215	8.3	7.6				9.1	7.8			9.8	8.1			10.5	8.3	7.1		10.9	8.5	7.1		11.2	8.6	7.1		215	
220	8					8.8	7.7			9.5	7.9			10.2	8.2			10.6	8.3	7.1		10.6	8.4	7.1		220	
225	7.7					8.5	7.6			9.2	7.8			9.8	8			10.3	8.2	7		9.8	8.3	7		225	
230	6.9					8.2	7.5			8.9	7.7			9.5	7.9			9.9	8.1	7		9	8.2	7		230	
235	4.2					7.5				8.6	7.6			9.2	7.8			9.5	7.9			8.2	8	7		235	
240						6.3				8.3	7.5			8.9	7.7			9.1	7.8			7.4	7.9	7		240	
245						4.2				8.1	7.5			8.6	7.6			8.3	7.7			6.7	7.7			245	
250										7.3	7.2			8.2	7.5			7.5	7.6			5.9	7.4			250	
255										6.2				7.1	7.4			6.6	7.5			5.2	7.1			255	
260										4.2				5.8	7.4			5.8	7.1			4.5	6.5			260	
265														4.4	6.9			4.8	6.7			3.8	5.7			265	
270																		3.7	6			2.9	4.9			270	
275																			5				4.2			275	
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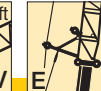
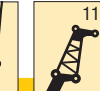
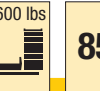
Lifting capacities

TYVEF

		 132 – 215 ft T				 11.5 ft Y				 98 ft V				 29.2 x 27.9 ft E				 360° F				 220500 lbs 360°				 85%																							
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	98 ft								98 ft								98 ft								98 ft								98 ft								98 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
40	36.9																															40																	
45	35					34.9																										45																	
50	33.2					33.2					32.7																					50																	
55	31.5					31.6					31.5						31.3															55																	
60	29.9					30.1					30.1						30.1					29.5										60																	
65	28.6					28.8					28.8						28.9					28.4				26.9						65																	
70	27.2					27.6					27.6						27.7					27.4				26.4						70																	
75	26	17.6				26.4					26.6						26.7					26.4				25.5						75																	
80	25	16.9				25.3	17				25.6						25.8					25.4				24.7						80																	
85	23.9	16.2				24.4	16.4				24.6	16.5					24.8					24.6				23.9						85																	
90	22.9	15.5				23.4	15.8				23.7	15.9					23.9	16.1				23.8				23.2						90																	
95	22	14.9				22.5	15.2				22.9	15.3					23.2	15.5				23	15.5			22.5						95																	
100	21.1	14.4	10			21.7	14.6				22.1	14.8					22.4	15				22.3	15			21.8	14.8					100																	
105	20.2	13.8	9.7			20.9	14.1	9.8			21.3	14.3					21.7	14.6				21.6	14.5			21.2	14.4					105																	
110	19.4	13.3	9.5			20.2	13.6	9.5			20.6	13.9	9.5				20.9	14.1	9.6			21	14.1			20.6	14					110																	
115	18.6	12.9	9.2	5.8		19.4	13.2	9.3			19.9	13.4	9.3				20.3	13.7	9.4			20.3	13.7	9.3		20	13.6					115																	
120	17.8	12.4	9	5.7		18.7	12.8	9.1	5.7		19.2	13	9.1				19.6	13.3	9.2			19.7	13.3	9.1		19.4	13.2	9				120																	
125	17	12	8.7	5.7		18	12.3	8.9	5.7		18.5	12.6	8.9	5.6			19	12.9	9	5.6		19.1	13	8.9		18.9	12.9	8.8				125																	
130	16.3	11.6	8.6	5.6		17.2	12	8.7	5.6		17.9	12.2	8.7	5.6			18.3	12.5	8.8	5.6		18.5	12.6	8.8	5.5	18.3	12.5	8.7				130																	
135	15.6	11.2	8.4	5.6		16.5	11.6	8.5	5.6		17.3	11.9	8.5	5.5			17.8	12.2	8.6	5.5		18	12.3	8.6	5.5	17.8	12.2	8.5	5.4			135																	
140	15	10.9	8.2	5.5		15.8	11.2	8.3	5.5		16.7	11.6	8.4	5.5			17.2	11.8	8.5	5.5		17.4	12	8.5	5.4	17.3	11.9	8.4	5.4			140																	
145	14.3	10.6	8			15.3	10.9	8.1	5.5		16	11.2	8.2	5.4			16.7	11.5	8.3	5.4		16.9	11.7	8.3	5.4	16.8	11.6	8.2	5.3			145																	
150	13.7	10.3	7.9			14.7	10.6	8			15.5	10.9	8.1	5.4			16.1	11.2	8.2	5.4		16.4	11.4	8.2	5.4	16.3	11.3	8.1	5.3			150																	
155	13.2	10	7.7			14.1	10.3	7.8			14.9	10.6	7.9				15.6	10.9	8	5.4		15.9	11.1	8	5.3	15.8	11.1	8	5.3			155																	
160	12.6	9.7	7.6			13.5	10.1	7.7			14.4	10.3	7.8				15.1	10.6	7.9			15.5	10.8	7.9	5.3	15.4	10.8	7.9	5.3			160																	
165	12.1	9.4	7.5			13	9.8	7.6			13.8	10.1	7.7				14.6	10.4	7.8			15	10.5	7.8		15	10.6	7.8	5.3			165																	
170	11.6	9.2	7.4			12.6	9.5	7.5			13.3	9.8	7.6				14.1	10.1	7.7			14.3	10.3	7.7		14.1	10.3	7.7	5.2			170																	
175	11.1	8.9	7.4			12.1	9.3	7.4			12.9	9.6	7.5				13.6	9.9	7.6			13.9	10	7.6		13.2	10.1	7.6	5.2			175																	
180	10.7	8.7	7.3			11.7	9.1	7.4			12.4	9.4	7.4				13.1	9.6	7.5			13.5	9.8	7.6		12.1	9.9	7.5				180																	
185	10.3	8.5	7.2			11.2	8.9	7.3			12	9.1	7.4				12.6	9.4	7.4			12.9	9.6	7.5		11.1	9.7	7.5				185																	
190	9.9	8.3				10.8	8.6	7.3			11.5	8.9	7.3				12.1	9.2	7.4			11.9	9.4	7.4		10.1	9.5	7.4				190																	
195	9.6	8.1				10.4	8.5	7.2			11.1	8.7	7.2				11.8	9	7.3			10.9	9.2	7.3		9.1	9.3	7.3				195																	
200	9.2	8				10.1	8.3				10.7	8.6	7.2				11.2	8.8	7.2			10	9	7.2		8.2	9.1	7.3				200																	
205	8.9	7.9				9.6	8.1				10.3	8.4	7.1				10.4	8.6	7.2			9.1	8.8	7.2		7.3	8.9	7.2				205																	
210	8.6	7.7				9.1	8				10	8.2					9.6	8.5	7.1			8.2	8.6	7.1		6.4	8.7	7.1				210																	
215	8.3	7.6				8.4	7.8				9.6	8.1					8.8	8.3	7.1			7.4	8.4	7.1		5.6	8.2	7.1				215																	
220	8					7.6	7.7				9	7.9					8	8.1				6.6	8.3	7.1		4.8	7.5	7.1				220																	
225	7.5					6.7	7.6				8.4	7.8					7.2	8				5.8	7.9	7		4	6.6	7				225																	
230	6.8					6	7.2				7.8	7.7					6.4	7.8				5.1	7.3	7			5.8	7				230																	
235	4.2					5.1					7.1	7.6					5.7	7.4				4.4	6.6				5	6.5				235																	
240						4.2					6.4	7.5					5	6.7				3.7	5.8				4.3	5.9				240																	
245						3.4					5.7	6.9					4.3	6				2.9	5				3.4					245																	
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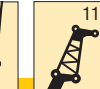
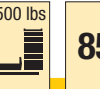
		 132 – 215 ft T				 Y				 11.5 ft V				 E				 118 ft F				 29.2x27.9 ft				 360°				 308600 lbs				 85%															
 ft		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*				 ft																							
		118 ft				118 ft				118 ft				118 ft				118 ft				118 ft																											
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																				
45		28.1																												45																			
50		26.7				27.7																								50																			
55		25.3				26.4				26																				55																			
60		24.1				25.2				25				25																60																			
65		22.9				24.1				24				24				23.5												65																			
70		21.9				23				23				23				22.6				21.5								70																			
75		20.9				22				22				22.1				21.8				21								75																			
80		20				21.1				21.2				21.3				21				20.3								80																			
85		19.1	12.8			20.2				20.4				20.5				20.3				19.7								85																			
90		18.4	12.2			19.5	13.2			19.6				19.8				19.6				19.1								90																			
95		17.6	11.7			18.8	12.8			18.9	12.9			19.1				19				18.4								95																			
100		16.8	11.2			18	12.3			18.2	12.4			18.5	12.5			18.3				17.9								100																			
105		16.2	10.8			17.3	11.9			17.6	12			17.9	12.2			17.7	12.1			17.4								105																			
110		15.5	10.4			16.7	11.5			16.9	11.6			17.3	11.8			17.2	11.8			16.8	11.6							110																			
115		14.9	10	6.8		16.1	11.1			16.4	11.3			16.7	11.4			16.7	11.4			16.4	11.3							115																			
120		14.2	9.6	6.7		15.5	10.7	7.3		15.8	10.9			16.2	11.1			16.2	11.1			15.9	11							120																			
125		13.6	9.2	6.5		15	10.3	7.1		15.3	10.5	7.1		15.6	10.7			15.7	10.8			15.5	10.6							125																			
130		13	8.8	6.3		14.4	10	7		14.8	10.2	7		15.2	10.4	7		15.2	10.5			15.1	10.3							130																			
135		12.4	8.5	6.2	3.3	13.9	9.6	6.8		14.3	9.8	6.8		14.7	10.1	6.9		14.8	10.1	6.9		14.6	10.1							135																			
140		11.8	8.2	6	3.2	13.4	9.3	6.6	3.8	13.8	9.5	6.7		14.2	9.7	6.7		14.4	9.8	6.7		14.2	9.8	6.7						140																			
145		11.3	7.9	5.9	3.2	12.8	9	6.5	3.8	13.4	9.2	6.6	3.8	13.8	9.4	6.6	3.8	14	9.5	6.6		13.8	9.5	6.6						145																			
150		10.8	7.6	5.8	3.2	12.3	8.7	6.4	3.7	12.9	8.9	6.4	3.8	13.4	9.1	6.5	3.8	13.6	9.3	6.5	3.7	13.5	9.2	6.4						150																			
155		10.3	7.4	5.6	3.2	11.9	8.4	6.2	3.7	12.4	8.6	6.3	3.7	13	8.9	6.4	3.8	13.2	9	6.4	3.7	13.1	9	6.3	3.7					155																			
160		9.9	7.2	5.5	3.2	11.4	8.1	6.1	3.7	12	8.4	6.2	3.7	12.5	8.6	6.2	3.7	12.8	8.7	6.3	3.7	12.8	8.7	6.2	3.7					160																			
165		9.4	7	5.4		11	7.9	6	3.7	11.6	8.1	6.1	3.7	12.1	8.4	6.1	3.7	12.4	8.5	6.2	3.7	12.4	8.5	6.1	3.7					165																			
170		9	6.8	5.3		10.5	7.6	5.9		11.1	7.9	6	3.7	11.7	8.1	6	3.7	12.1	8.3	6.1	3.7	12.1	8.3	6.1	3.7					170																			
175		8.6	6.6	5.2		10.1	7.4	5.8		10.7	7.7	5.9		11.3	7.9	5.9	3.7	11.7	8	6	3.7	11.8	8.1	6	3.7					175																			
180		8.3	6.5	5.1		9.7	7.2	5.7		10.3	7.5	5.8		11	7.7	5.9		11.3	7.8	5.9	3.7	11.5	7.9	5.9	3.6					180																			
185		7.9	6.3	5		9.4	7.1	5.6		9.9	7.3	5.7		10.6	7.5	5.8		11	7.6	5.8		11.1	7.7	5.8	3.6					185																			
190		7.6	6.1	5		9	6.9	5.5		9.6	7.1	5.6		10.2	7.3	5.7		10.6	7.5	5.7		10.8	7.5	5.7	3.6					190																			
195		7.3	6	4.9		8.7	6.7	5.4		9.2	6.9	5.5		9.9	7.2	5.6		10.3	7.3	5.7		10.5	7.3	5.6						195																			
200		7.1	5.8	4.9		8.3	6.6	5.4		8.9	6.8	5.4		9.5	7	5.5		10	7.1	5.6		10.2	7.2	5.6						200																			
205		6.8	5.7	4.8		8	6.4	5.3		8.6	6.6	5.4		9.2	6.8	5.5		9.6	7	5.5		9.9	7	5.5						205																			
210		6.6	5.6			7.7	6.3	5.3		8.3	6.5	5.3		8.9	6.7	5.4		9.3	6.8	5.4		9.6	6.9	5.5						210																			
215		6.4	5.5			7.5	6.1	5.2		7.9	6.3	5.3		8.6	6.5	5.3		9	6.7	5.4		9.3	6.8	5.4						215																			
220		6.2	5.4			7.2	6			7.7	6.2	5.2		8.3	6.4	5.3		8.7	6.6	5.3		9	6.7	5.3						220																			
225		6	5.3			7	5.9			7.5	6.1	5.2		8	6.3	5.2		8.5	6.4	5.3		8.7	6.5	5.3						225																			
230		5.8	5.2			6.7	5.8			7.3	6			7.7	6.2	5.2		8.2	6.3	5.2		8.5	6.4	5.2						230																			
235		5.6	5.2			6.5	5.7			7	5.9			7.5	6.1	5.2		8	6.2	5.2		8.2	6.3	5.2						235																			
240		5.4				6.3	5.6			6.8	5.8			7.3	5.9			7.6	6.1	5.1		7.7	6.2	5.2						240																			
245		5.3				6.1	5.5			6.6	5.7			7.1	5.8			7.4	6	5.1		7.2	6.1	5.1						245																			
250		4.6				5.7	5.5			6.4	5.6			6.9	5.7			7.2	5.9	5.1		6.7	6	5.1						250																			
255						5.1				6.2	5.5			6.7	5.7			7	5.8			6.1	5.9	5.1						255																			
260						4				6	5.4			6.5	5.6			6.6	5.7			5.4	5.8	5.1						260																			
265										5.8	5.4			6.3	5.5			6.1	5.6			4.8	5.7							265																			
270										5.2	5.3			5.7	5.4			5.5	5.5			4.1	5.6							270																			
275										4.1				4.8	5.4			4.7	5.5			3.5	5.4							275																			
280														3.7	5.3			3.9	5.3			2.8	4.8							280																			
285															4.9			2.8	5.1				4.1							285																			
290																			4.4				3.5							290																			
295																			3.6											295																			

* adapter

t_180_61601_00_000 / 61621_00_000 / 61641_00_000 / 61661_00_000

Lifting capacities

TYVEF

		 132 – 215 ft T				 Y				 11.5 ft V				 E				 118 ft F				 29.2 x 27.9 ft				 360°				 220500 lbs				 85%															
 ft	132 + 20 ft*								149 + 20 ft*								165 + 20 ft*								182 + 20 ft*								198 + 20 ft*								215 + 20 ft*								 ft
	118 ft								118 ft								118 ft								118 ft								118 ft								118 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°																	
45	28.1																																45																
50	26.7				27.7																											50																	
55	25.3				26.4					26																						55																	
60	24.1				25.2					25							25															60																	
65	22.9				24.1					24							24					23.5										65																	
70	21.9				23					23							23					22.6				21.5						70																	
75	20.9				22					22							22.1					21.8				21						75																	
80	20				21.1					21.2							21.3					21				20.3						80																	
85	19.1	12.8			20.2					20.4							20.5					20.3				19.7						85																	
90	18.4	12.2			19.5	13.2				19.6							19.8					19.6				19.1						90																	
95	17.6	11.7			18.8	12.8				18.9	12.9						19.1					19				18.4						95																	
100	16.8	11.2			18	12.3				18.2	12.4						18.5	12.5				18.3				17.9						100																	
105	16.2	10.8			17.3	11.9				17.6	12						17.9	12.2				17.7	12.1			17.4						105																	
110	15.5	10.4			16.7	11.5				16.9	11.6						17.3	11.8				17.2	11.8			16.8	11.6					110																	
115	14.9	10	6.8		16.1	11.1				16.4	11.3						16.7	11.4				16.7	11.4			16.4	11.3					115																	
120	14.2	9.6	6.7		15.5	10.7	7.3			15.8	10.9						16.2	11.1				16.2	11.1			15.9	11					120																	
125	13.6	9.2	6.5		15	10.3	7.1			15.3	10.5	7.1					15.6	10.7				15.7	10.8			15.5	10.6					125																	
130	13	8.8	6.3		14.4	10	7			14.8	10.2	7					15.2	10.4	7			15.2	10.5			15.1	10.3					130																	
135	12.4	8.5	6.2	3.3	13.9	9.6	6.8			14.3	9.8	6.8					14.7	10.1	6.9			14.8	10.1	6.9		14.6	10.1					135																	
140	11.8	8.2	6	3.2	13.4	9.3	6.6	3.8		13.8	9.5	6.7					14.2	9.7	6.7			14.4	9.8	6.7		14.2	9.8	6.7				140																	
145	11.3	7.9	5.9	3.2	12.8	9	6.5	3.8		13.4	9.2	6.6	3.8				13.8	9.4	6.6	3.8		14	9.5	6.6		13.8	9.5	6.6				145																	
150	10.8	7.6	5.8	3.2	12.3	8.7	6.4	3.7		12.9	8.9	6.4	3.8				13.4	9.1	6.5	3.8		13.6	9.3	6.5	3.7	13.5	9.2	6.4				150																	
155	10.3	7.4	5.6	3.2	11.9	8.4	6.2	3.7		12.4	8.6	6.3	3.7				13	8.9	6.4	3.8		13.2	9	6.4	3.7	13.1	9	6.3	3.7			155																	
160	9.9	7.2	5.5	3.2	11.4	8.1	6.1	3.7		12	8.4	6.2	3.7				12.5	8.6	6.2	3.7		12.8	8.7	6.3	3.7	12.8	8.7	6.2	3.7			160																	
165	9.4	7	5.4		11	7.9	6	3.7		11.6	8.1	6.1	3.7				12.1	8.4	6.1	3.7		12.4	8.5	6.2	3.7	12.4	8.5	6.1	3.7			165																	
170	9	6.8	5.3		10.5	7.6	5.9			11.1	7.9	6	3.7				11.7	8.1	6	3.7		12.1	8.3	6.1	3.7	12.1	8.3	6.1	3.7			170																	
175	8.6	6.6	5.2		10.1	7.4	5.8			10.7	7.7	5.9					11.3	7.9	5.9	3.7		11.7	8	6	3.7	11.8	8.1	6	3.7			175																	
180	8.3	6.5	5.1		9.7	7.2	5.7			10.3	7.5	5.8					11	7.7	5.9			11.3	7.8	5.9	3.7	11.5	7.9	5.9	3.6			180																	
185	7.9	6.3	5		9.4	7.1	5.6			9.9	7.3	5.7					10.6	7.5	5.8			11	7.6	5.8		11.1	7.7	5.8	3.6			185																	
190	7.6	6.1	5		9	6.9	5.5			9.6	7.1	5.6					10.2	7.3	5.7			10.5	7.5	5.7		10.4	7.5	5.7	3.6			190																	
195	7.3	6	4.9		8.7	6.7	5.4			9.2	6.9	5.5					9.8	7.2	5.6			10.2	7.3	5.7		9.7	7.3	5.6				195																	
200	7.1	5.8	4.9		8.3	6.6	5.4			8.9	6.8	5.4					9.4	7	5.5			9.8	7.1	5.6		8.9	7.2	5.6				200																	
205	6.8	5.7	4.8		8	6.4	5.3			8.6	6.6	5.4					9.1	6.8	5.5			9.4	7	5.5		8	7	5.5				205																	
210	6.6	5.6			7.7	6.3	5.3			8.3	6.5	5.3					8.8	6.7	5.4			8.8	6.8	5.4		7.2	6.9	5.5				210																	
215	6.4	5.5			7.5	6.1	5.2			7.9	6.3	5.3					8.4	6.5	5.3			8.1	6.7	5.4		6.3	6.8	5.4				215																	
220	6.2	5.4			7.2	6				7.6	6.2	5.2					8.1	6.4	5.3			7.3	6.6	5.3		5.6	6.7	5.3				220																	
225	6	5.3			6.8	5.9				7.4	6.1	5.2					7.7	6.3	5.2			6.6	6.4	5.3		4.9	6.5	5.3				225																	
230	5.8	5.2			6.4	5.8				7.2	6						7.2	6.2	5.2			5.9	6.3	5.2		4.2	6.4	5.2				230																	
235	5.6	5.2			5.8	5.7				7	5.9						6.5	6.1	5.2			5.2	6.2	5.2		3.4	6.1	5.2				235																	
240	5.4				5.4	5.6				6.7	5.8						5.8	5.9				4.5	6.1	5.1		2.7	5.5	5.2				240																	
245	5.2				4.6	5.5				6.3	5.7						5.1	5.8				3.9	5.9	5.1			4.8	5.1				245																	
250	4.5				3.8	5.3				5.8	5.6						4.5	5.7				3.2	5.5	5.1			4.1	5.1				250																	
255					3.1					5.2	5.5						3.8	5.3				2.6	4.8				3.4	4.9				255																	
260										4.6	5.4						3.2	5					4.1				2.7	4.4				260																	
265										3.9	5.1							4.4					3.4									265																	
270										3.2	4.7							3.7														270																	
275										2.6								3														275																	

* adapter

t_180_61605_00_000 / 61625_00_000 / 61645_00_000 / 61665_00_000

Lifting capacities

TYVEF

132 – 198 ft T Y 11.5 ft V E 138 ft F 29.2x27.9 ft 360° 308600 lbs 85%															
ft	132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*		ft
	138 ft			138 ft			138 ft			138 ft			138 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
50	22.4														50
55	21.3			21.1											55
60	20.3			20.2			20.2			19.9					60
65	19.3			19.3			19.4			19.3					65
70	18.5			18.5			18.6			18.5			18		70
75	17.7			17.7			17.8			17.8			17.3		75
80	16.9			17			17.1			17.1			16.7		80
85	16.1			16.3			16.4			16.4			16.1		85
90	15.5			15.6			15.8			15.9			15.6		90
95	14.8	10		15			15.2			15.3			15		95
100	14.2	9.6		14.5	9.7		14.6			14.7			14.5		100
105	13.6	9.2		13.9	9.3		14.1	9.5		14.2			14.1		105
110	13.1	8.9		13.3	9		13.6	9.1		13.8	9.2		13.6		110
115	12.6	8.5		12.8	8.7		13.1	8.8		13.3	8.9		13.1	8.8	115
120	12.1	8.2		12.4	8.3		12.6	8.5		12.8	8.6		12.7	8.5	120
125	11.6	7.9		11.9	8		12.2	8.2		12.4	8.3		12.3	8.3	125
130	11.1	7.5		11.5	7.7		11.8	7.9		12	8		11.9	8	130
135	10.7	7.3	5.1	11.1	7.4	5.1	11.4	7.6		11.6	7.7		11.6	7.7	135
140	10.2	7	5	10.7	7.2	5	11	7.4	5	11.2	7.5		11.2	7.5	140
145	9.7	6.8	4.8	10.3	7	4.9	10.6	7.1	4.9	10.9	7.3	4.9	10.9	7.2	145
150	9.3	6.5	4.7	9.9	6.7	4.7	10.3	6.9	4.8	10.5	7	4.8	10.5	7	150
155	8.9	6.3	4.6	9.4	6.5	4.6	9.9	6.7	4.7	10.2	6.8	4.7	10.2	6.9	155
160	8.5	6.1	4.5	9	6.3	4.5	9.5	6.5	4.6	9.8	6.6	4.6	9.9	6.7	160
165	8.2	5.9	4.3	8.7	6.1	4.4	9.2	6.3	4.4	9.5	6.4	4.5	9.6	6.5	165
170	7.8	5.7	4.2	8.3	5.9	4.3	8.8	6.1	4.3	9.2	6.3	4.4	9.3	6.3	170
175	7.4	5.5	4.1	8	5.7	4.2	8.5	5.9	4.3	8.9	6.1	4.3	9	6.1	175
180	7.2	5.4	4	7.7	5.6	4.1	8.2	5.8	4.2	8.6	5.9	4.2	8.7	6	180
185	6.9	5.2	3.9	7.4	5.4	4	7.9	5.6	4.1	8.3	5.7	4.1	8.5	5.8	185
190	6.6	5.1	3.9	7.1	5.2	3.9	7.6	5.4	4	8	5.6	4.1	8.2	5.7	190
195	6.4	4.9	3.8	6.8	5.1	3.8	7.3	5.3	3.9	7.7	5.4	4	7.9	5.5	195
200	6.1	4.7	3.7	6.6	5	3.8	7	5.1	3.8	7.5	5.3	3.9	7.6	5.4	200
205	5.8	4.6	3.6	6.4	4.8	3.7	6.8	5	3.8	7.2	5.2	3.8	7.4	5.3	205
210	5.6	4.5	3.6	6.1	4.7	3.6	6.6	4.9	3.7	6.9	5	3.8	7.2	5.1	210
215	5.4	4.4	3.5	5.9	4.6	3.6	6.4	4.7	3.6	6.7	4.9	3.7	7	5	215
220	5.2	4.2	3.5	5.7	4.4	3.5	6.1	4.6	3.6	6.5	4.8	3.7	6.7	4.9	220
225	5	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.3	4.7	3.6	6.5	4.8	225
230	4.8	4		5.3	4.2	3.4	5.7	4.4	3.5	6.1	4.5	3.5	6.3	4.7	230
235	4.6	3.9		5.1	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.1	4.5	235
240	4.5	3.9		4.9	4		5.3	4.2	3.4	5.7	4.4	3.5	6	4.4	240
245	4.3	3.8		4.7	3.9		5.2	4.1	3.4	5.5	4.3	3.4	5.8	4.3	245
250	4.1	3.7		4.6	3.9		5	4		5.4	4.2	3.4	5.6	4.3	250
255	4	3.6		4.4	3.8		4.8	3.9		5.2	4.1	3.4	5.4	4.2	255
260	3.8			4.3	3.7		4.6	3.8		5	4		5.2	4.1	260
265	3.7			4.1	3.6		4.5	3.8		4.9	3.9		5.1	4	265
270				3.9			4.3	3.7		4.7	3.8		4.9	3.9	270
275				3.6			4.2	3.6		4.5	3.8		4.7	3.9	275
280							4	3.6		4.4	3.7		4.5	3.8	280
285							3.7			4.2	3.6		4.2	3.7	285
290							3.4			3.5	3.6		3.5	3.7	290
295										2.8	3.5			3.4	295
300											3.5				300
305											2.6				305

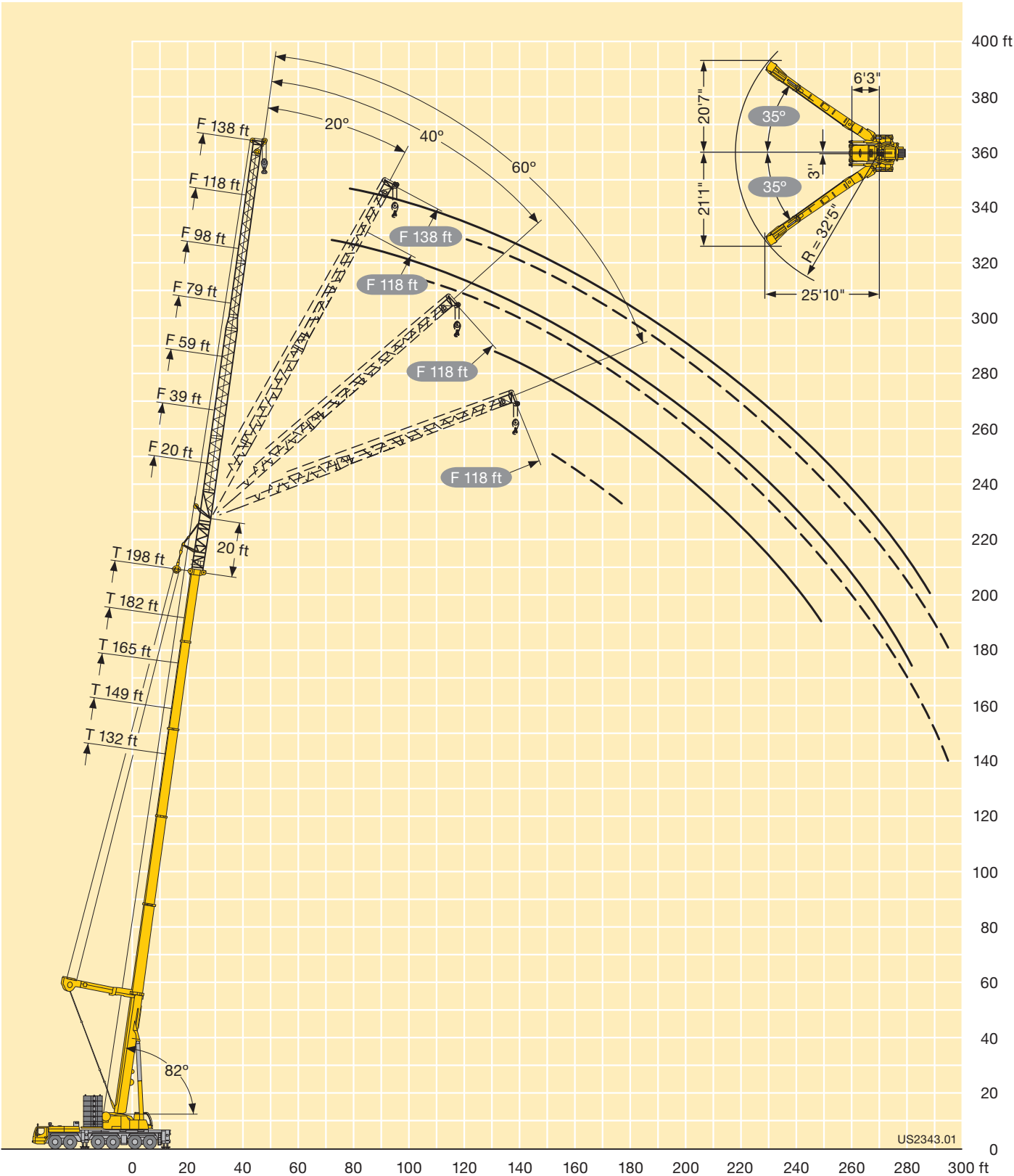
* adapter

t_180_61701_00_000 / 61721_00_000 / 61741_00_000

132 – 198 ft T Y 11.5 ft V E 138 ft F 29.2 x 27.9 ft 360° 220500 lbs 85%															
ft	132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*		ft
	138 ft			138 ft			138 ft			138 ft			138 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
50	22.4														50
55	21.3			21.1											55
60	20.3			20.2			20.2			19.9					60
65	19.3			19.3			19.4			19.3					65
70	18.5			18.5			18.6			18.5			18		70
75	17.7			17.7			17.8			17.8			17.3		75
80	16.9			17			17.1			17.1			16.7		80
85	16.1			16.3			16.4			16.4			16.1		85
90	15.5			15.6			15.8			15.9			15.6		90
95	14.8	10		15			15.2			15.3			15		95
100	14.2	9.6		14.5	9.7		14.6			14.7			14.5		100
105	13.6	9.2		13.9	9.3		14.1	9.5		14.2			14.1		105
110	13.1	8.9		13.3	9		13.6	9.1		13.8	9.2		13.6		110
115	12.6	8.5		12.8	8.7		13.1	8.8		13.3	8.9		13.1	8.8	115
120	12.1	8.2		12.4	8.3		12.6	8.5		12.8	8.6		12.7	8.5	120
125	11.6	7.9		11.9	8		12.2	8.2		12.4	8.3		12.3	8.3	125
130	11.1	7.5		11.5	7.7		11.8	7.9		12	8		11.9	8	130
135	10.7	7.3	5.1	11.1	7.4	5.1	11.4	7.6		11.6	7.7		11.6	7.7	135
140	10.2	7	5	10.7	7.2	5	11	7.4	5	11.2	7.5		11.2	7.5	140
145	9.7	6.8	4.8	10.3	7	4.9	10.6	7.1	4.9	10.9	7.3	4.9	10.9	7.2	145
150	9.3	6.5	4.7	9.9	6.7	4.7	10.3	6.9	4.8	10.5	7	4.8	10.5	7	150
155	8.9	6.3	4.6	9.4	6.5	4.6	9.9	6.7	4.7	10.2	6.8	4.7	10.2	6.9	155
160	8.5	6.1	4.5	9	6.3	4.5	9.5	6.5	4.6	9.8	6.6	4.6	9.9	6.7	160
165	8.2	5.9	4.3	8.7	6.1	4.4	9.2	6.3	4.4	9.5	6.4	4.5	9.6	6.5	165
170	7.8	5.7	4.2	8.3	5.9	4.3	8.8	6.1	4.3	9.2	6.3	4.4	9.3	6.3	170
175	7.4	5.5	4.1	8	5.7	4.2	8.5	5.9	4.3	8.9	6.1	4.3	9	6.1	175
180	7.2	5.4	4	7.7	5.6	4.1	8.2	5.8	4.2	8.6	5.9	4.2	8.7	6	180
185	6.9	5.2	3.9	7.4	5.4	4	7.9	5.6	4.1	8.3	5.7	4.1	8.5	5.8	185
190	6.6	5.1	3.9	7.1	5.2	3.9	7.6	5.4	4	8	5.6	4.1	8.2	5.7	190
195	6.4	4.9	3.8	6.8	5.1	3.8	7.3	5.3	3.9	7.7	5.4	4	7.9	5.5	195
200	6.1	4.7	3.7	6.6	5	3.8	7	5.1	3.8	7.5	5.3	3.9	7.6	5.4	200
205	5.8	4.6	3.6	6.4	4.8	3.7	6.8	5	3.8	7.2	5.2	3.8	7.4	5.3	205
210	5.6	4.5	3.6	6.1	4.7	3.6	6.6	4.9	3.7	6.9	5	3.8	7.1	5.1	210
215	5.4	4.4	3.5	5.9	4.6	3.6	6.4	4.7	3.6	6.7	4.9	3.7	6.9	5	215
220	5.2	4.2	3.5	5.7	4.4	3.5	6.1	4.6	3.6	6.5	4.8	3.7	6.6	4.9	220
225	5	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.2	4.7	3.6	6.4	4.8	225
230	4.8	4		5.3	4.2	3.4	5.7	4.4	3.5	6	4.5	3.5	6	4.7	230
235	4.6	3.9		5.1	4.1	3.4	5.4	4.3	3.5	5.8	4.5	3.5	5.4	4.5	235
240	4.5	3.9		4.9	4		5.3	4.2	3.4	5.6	4.4	3.5	4.8	4.4	240
245	4.3	3.8		4.7	3.9		5.1	4.1	3.4	5.2	4.3	3.4	4.2	4.3	245
250	4.1	3.7		4.5	3.9		4.9	4		4.7	4.2	3.4	3.5	4.2	250
255	4	3.6		4.2	3.8		4.7	3.9		4.2	4	3.4	2.9	4.1	255
260	3.8			3.6	3.7		4.5	3.8		3.7	4			3.6	260
265	3.7			2.9	3.6		4.2	3.8		3.1	3.9			2.9	265
270							3.9	3.7		2.5	3.6				270
275							3.4	3.6			3				275
280							2.8	3.6							280

* adapter

t_180_61705_00_000 / 61725_00_000 / 61745_00_000



Lifting capacities

TN

		 49 – 149 ft T			 39 ft N			 29.2 x 27.9 ft			 360°			 220500 lbs			 85%				
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*		 ft
	39 ft**			39 ft**			39 ft**			39 ft**			39 ft**			39 ft**			39 ft**		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	75°	68°	
22	156.1																				22
24	156.1																				24
26	156.1				156.1																26
28	156.1				156.1																28
30	155.6				155.8			142.3													30
32	153.5				154.6			143.2													32
34	150.1				152.9			143.4			117.6										34
36	145.6	147.8			150.9			143			117.9										36
38	139.7	142.1			147.3	149.4		141.5			118.1			98.5			75.1				38
40	132.9	136.7			142.5	148.2		140			118.3			98.6			75				40
42	124.2	132.3			135.2	144.7		138.9			118.7			98.7			74.9			57.9	42
44		128.6	129.3		127.1	140.7		135.4	136.9		119.3			99			74.9			57.9	44
46		125.2	128			136.6			135.8		119.9			99.3			74.9			57.8	46
48		121	123.8			133.2			132.9		119.5			99.8			74.6			57.8	48
50			119.5			129.9	127.1		130		119.2	114		100.3			74.4			57.8	50
55						119.2			120.9			112			94.6					57.8	55
60						109						106.8			93.9						60
65										96.3		98.3			93.2			62.1			65
70												84.8					59			49.4	70
75												79				76.2				47.5	75
80																71.2					80
85																66.5			45.8		85
90																		43.3			90

* adapter

** Hookblock with deadweight of 6615 lbs necessary

t_180_54105_00_000

Lifting capacities

TN

49—215 ft T 59 ft N 29.2 x 27.9 ft 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
28	130.7															28
30	130.1															30
32	128.4			121.7												32
34	126.6			121.6												34
36	124.7			121			108.4									36
38	122.7			119.6			108.3			90.5						38
40	120.7			118.1			108.3			90.5						40
42	119			116.6			108.3			90.5			76.9			42
44	117.2	117.7		115.2			107.8			90.5			76.9			44
46	115.6	115.5		114			107.2			90.5			76.9			46
48	114.3	113.3		113			106.4			90.5			76.9			48
50	113.1	111		112	111		105.6			90.5			76.9			50
55	109.5	105.4		110.2	107.6		104.2	103.1		90.5			76.9			55
60	104	100.1	100.2	107.5	104.2		103.3	100.4		90.5	87.7		76.9			60
65		97.3	93.7	98.3	101.9	99.2	102.6	98		90.5	88.1		76.9	74.6		65
70			89.4		96.3	92.7		93.3		90.5	87.5		76.9	74.5		70
75						86.3		87.6	82.6		84.2			74.3		75
80						80.6			77.2		79.1	73.2		73.7		80
85									72.5		74.1	68.6		72.2		85
90												64.4			61.8	90
95												60.5			58.1	95
100															54.6	100

* adapter

t_180_54205_00_000

*** Hookblock with deadweight of 3200 lbs necessary

49 – 215 ft 59 ft 29.2 x 27.9 ft 360° 220500 lbs 85%															
 ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*		198 + 11.5 ft*		215 + 11.5 ft*	 ft
	59 ft***			59 ft***			59 ft***			59 ft***		59 ft***		59 ft***	
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	82°	
44	59.7														44
46	59.7														46
48	59.6														48
50	59.6			45.8			34.7								50
55	59.6			45.7			34.6			25.4		18			55
60	59.5			45.7			34.5			25.3		18			60
65	59.4			45.7			34.4			25.3		17.9		11.9	65
70	58.8	54.1		45.7			34.4			25.2		17.9		11.8	70
75		52.7		45.7	42		34.4			25.2		17.9		11.7	75
80		50.6			41.3							17.9		11.6	80
85		48.5			40			30.9				17.9		11.5	85
90		46.7			38.7			30			22.4				90
95			40		37.5			29.1			22				95
100			38.3			31.7					21.4		15.8		100
105			36.5			30.9							15.4		105
110			35			29.5			22.3				15		110
115									21.6						115

* adapter

t_180_54205_00_000

*** Hookblock with deadweight of 3200 lbs necessary

Lifting capacities

TN

49 – 215 ft  79 ft  29.2 x 27.9 ft  360°  220500 lbs  85% 																
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			 ft
	79 ft			79 ft			79 ft			79 ft			79 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
36	101.5															36
38	100.3			94.6												38
40	99.1			94.4												40
42	97.8			93.9			84.5									42
44	96.6			93.2			84.4			71.7						44
46	95.3			92.4			84.4			71.7						46
48	94.3			91.5			84.3			71.7						48
50	93.2	92.2		90.6			84.1			71.7						50
55	90.7	90.4		88.7			83.3			71.7			61.7			55
60	88.4	87.3		87	86.5		82			71.7			61.8			60
65	86.9	84.5		85.7	84.1		80.9	80		71.7			62			65
70	86.3	82.2	81.9	85.1	82.1		80.2	78.4		71.7	69.6		62.3			70
75	86.2	80.4	78.8	84.8	80.4	80	80	76.9		71.6	69.3		62.5			75
80	82.4	79.1	75.6	84.1	79.1	77.8	80	75.8		71.6	68.7		62.6	59.9		80
85		78.5	72.7	81.3	78.3	74.9	80	74.9	71.6	71.6	68.1		62.5	59.9		85
90			71.3		74	70.7		71.6	67.6	71.6	67.7	63.4	62.5	59.8		90
95						66.7		67.9	63.7		65.4	59.8		59.8	55.1	95
100									60		61.8	56.3		59	53.6	100
105									56.5			53.1			50.6	105
110												50.3			47.9	110
115												47.6			45.4	115
120															43.1	120

* adapter

t_180_54305_00_000

* adapter

t_180_54305_00_000

49 – 215 ft  79 ft  29.2 x 27.9 ft  360°  220500 lbs  85% 																		
 ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			215 + 11.5 ft*		 ft
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
50	48																	50
55	47.9			36.7			27											55
60	47.8			36.5			27											60
65	47.7			36.3			27			19.9			13.8					65
70	47.6			36.3			27			19.8			13.7			7.6		70
75	47.6			36.3			27			19.7			13.6			7.6		75
80	47.6			36.3			27			19.7			13.4			7.5		80
85	47.4	44		36.3	34.9		27			19.7			13.3			7.4		85
90	47.1	42.8		36.3	34.4		27			19.7			13.3			7.4		90
95		41.5		36.3	33.6		27	25		19.7			13.2			7.3		95
100		40.2	35.4		32.7			24.4			18		13.2			7.3		100
105		38.9	35.2		31.8			23.8			17.7							105
110		37.8	33.5		31			23.3			17.3			11.7				110
115			32.1		30.3	26.7		22.7			16.9			11.6			5.9	115
120			30.8			25.7			18.5		16.5			11.6			5.9	120
125						24.7			18.2					11.4			5.9	125
130						23.7			17.4					11.2			5.9	130
135									16.8			11.9						135
140												11.5				7.4		140
145																7.3		145
150																7		150

* adapter

t_180_54305_00_000

* adapter

t_180_54305_00_000

Lifting capacities

TN

49—215 ft T 98 ft N 29.2 x 27.9 ft 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	98 ft			98 ft			98 ft			98 ft			98 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
42	78.7															42
44	78.1															44
46	77.4			73.3												46
48	76.8			73												48
50	76.1			72.8			65.9			56.9						50
55	74.5			71.9			65.8			56.7			49.2			55
60	73			70.7			65.7			56.5			49.2			60
65	71.6	70.5		69.7	68.7		65.2			56.3			49			65
70	70.4	68.8		68.7	67.5		64.6	63.4		56.3			48.9			70
75	69.4	67.3		67.9	66.2		64	62.7		56.2			48.9			75
80	68.9	66	65.2	67.4	65.1		63.5	61.8		56.2	54.7		48.9			80
85	68.7	64.8	63.5	67.3	64.1	63.3	63.3	60.9		56.2	54.7		48.9	47.2		85
90	68.7	64.1	62.1	67.2	63.4	62.1	63.3	60.3		56.2	54.5		48.9	47.2		90
95	65.2	63.9	61	67.2	63	60.9	63.3	59.8	58.6	56.2	54.1		48.9	47.2		95
100		63.9	60.1	64.8	62.7	59.9	63.3	59.5	57.4	56.2	53.9	52.7	48.9	47.2		100
105		63.9	59.7		62.2	58.9		59.4	55.9	56.2	53.7	52.1	48.9	47.2		105
110			57.9		59	55.8		56.8	52.9		53.6	49.4	48.9	47.2	45.7	110
115						52.9		54	50.2		51.7	46.8		47.2	44.4	115
120									47.6		49	44.4		46.7	42.4	120
125									45.2			42.2			40.3	125
130												40.2			38.4	130
135												38.3			36.6	135
140															34.9	140

* adapter

t_180_54405_00_000

* adapter

t_180_54405_00_000

49–215 ft T 98 ft N 29.2 x 27.9 ft 360° 220500 lbs 85%																	
ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			215 + 11.5 ft*	ft
	98 ft			98 ft			98 ft			98 ft			98 ft			98 ft	
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	
55	39																55
60	38.9																60
65	38.7			29			22.2										65
70	38.6			28.9			22.1			15.8			9.4				70
75	38.5			28.7			22			15.7			9.3			4.1	75
80	38.4			28.6			21.8			15.6			9.2			4	80
85	38.4			28.6			21.7			15.5			9.1			4	85
90	38.4	36.9		28.6			21.7			15.4			9			3.9	90
95	38.4	36.4		28.6	27.8		21.7			15.3			8.9			3.8	95
100	38.4	35.8		28.6	27.8		21.7	20.7		15.2			8.8			3.8	100
105	38.4	35.1		28.6	27.6		21.7	20.5		15.2			8.8			3.7	105
110	38.4	34.2		28.6	27.2		21.7	20.1		15.2	13.9		8.7			3.7	110
115		33.4	29.6	28.6	26.7		21.7	19.7		15.2	13.8		8.7	7.5		3.7	115
120		32.6	28.9		26.1	22.7		19.3			13.7		8.7	7.5		3.7	120
125		31.9	27.7		25.6	22.6		18.9			13.6			7.5			125
130		31.2	26.7		25.1	21.8		18.5			13.3			7.4			130
135			25.8		24.7	21		18.1	15		13			7.4			135
140			25			20.3			14.6		12.7	9.7		7.4			140
145						19.6			14			9.6		7.3			145
150						19			13.5			9.2		7.3			150
155									13			8.8			5.5		155
160												8.4			5.4		160
165															5.2		165
170															4.9		170

* adapter

t 180 54405 00 000

* adapter

t_180_54405_00_000

Lifting capacities

TN

49–199 ft 118 ft 29.2 x 27.9 ft 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	118 ft			118 ft			118 ft			118 ft			118 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
50	61.8			57.6												50
55	61.3			57.3			52.3			45.4			39.8			55
60	60.3			57			52			45.3			39.8			60
65	59.2			57			51.7			45.1			39.5			65
70	58.1	57.4		56.3			51.5			45			39.4			70
75	57.2	56.5		55.6	54.9		51.4			44.8			39.3			75
80	56.4	55.4		55	54.1		51.3	50.2		44.7			39.2			80
85	55.6	54.3		54.3	53.3		51.1	50.1		44.7	43.4		39.2			85
90	55.1	53.4	52.7	53.9	52.4		50.7	49.6		44.7	43.2		39.1	38		90
95	54.2	52.5	51.8	53.5	51.7	51	50.4	49		44.7	43.1		39.1	37.9		95
100	52.9	51.8	50.7	52.6	51.1	50.4	49.8	48.5	47.6	44.7	43.1		39.1	37.8		100
105	51.3	51.3	49.8	51.1	50.6	49.5	48.8	48.1	47.3	44.7	43.1		39.1	37.7		105
110	49.7	50.6	49	49.6	50.3	48.7	47.4	47.7	46.6	44.6	43.1	42.4	39.1	37.7		110
115	48	49.6	48.5	48.1	49.6	48.1	46.1	47.5	46	44.2	43.1	42.2	39.1	37.7		115
120		48.3	48.1	46.7	48.5	47.7	44.8	47	45.5	43.4	43.1	41.8	39.1	37.7	36.9	120
125		46.8	47.8		47.3	47.2		45.8	44.9	42.6	43.1	41.4	39.1	37.7	37.1	125
130			46.8		46	45		44.6	42.8		43	39.7	39.1	37.7	37.2	130
135					42.9			43.5	40.8		41.9	38		37.7	35.9	135
140									39		40.2	36.2		37.6	34.3	140
145									37.2			34.6			32.7	145
150												33.1			31.3	150
155												31.7			30	155
160															28.7	160

* adapter

t.180_54505_00_000

* adapter

t_180_54505_00_000

49–199 ft 118 ft 29.2x27.9 ft 360° 220500 lbs 85%																
 ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			 ft
	118 ft			118 ft			118 ft			118 ft			118 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
65	31.8															65
70	31.7			23.2			17.9									70
75	31.5			23.1			17.8			11.6			5.9			75
80	31.4			23			17.7			11.5			5.8			80
85	31.3			22.9			17.6			11.3			5.7			85
90	31.3			22.8			17.6			11.2			5.6			90
95	31.3	30.1		22.8			17.5			11.1			5.5			95
100	31.3	30.1		22.8			17.5			11			5.5			100
105	31.3	30		22.8	22.1		17.4			10.9			5.4			105
110	31.3	29.7		22.8	22.1		17.4	16.3		10.9			5.4			110
115	31.3	29.4		22.8	22.2		17.3	16.2		10.8	9.7		5.3			115
120	31.3	29		22.8	22.1		17.3	16.1		10.8	9.6		5.3	4.2		120
125	31.3	28.5		22.8	22		17.3	16		10.7	9.6		5.3	4.2		125
130	31.3	28	25.1	22.8	21.7		17.3	15.9		10.7	9.5		5.3	4.1		130
135		27.4	24.3	22.8	21.4	18.9	17.3	15.7		10.7	9.4		5.3	4.1		135
140		26.9	23.4		21.1	18.5		15.4			9.4		5.3	4.1		140
145		26.4	22.6		20.7	17.9		15.1			9.4			4.1		145
150		26	21.9		20.4	17.4		14.8	12.2		9.4			4		150
155			21.2		20.2	16.8		14.5	11.8		9.4	7.5		4		155
160			20.6			16.3			11.3		9.4	7.3		4		160
165						15.8			10.9			7		4		165
170						15.4			10.5			6.7		4		170
175									10.1			6.4			3.5	175
180												6.2			3.5	180
185															3.4	185
190															3.2	190

* adapter

t_180_54505_00_000

		 49 – 182 ft			 138 ft			 29.2 x 27.9 ft			 360°			 220500 lbs			85%													
	ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*				ft
		138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft							
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°		
55		49.1			46.2																							55		
60		48.7			46																							60		
65		48.7			45.6			41.9			36.6			32.3														65		
70		48.2			45.3			41.7			36.4			32.1			25.9			18.8								70		
75		47.5	46.8		45			41.4			36.3			31.9			25.9			18.7			13.9					75		
80		46.8	46.5		44.9			41.1			36.2			31.7			25.8			18.6			13.8					80		
85		46	45.6		44.7	44.1		40.8			36			31.6			25.7			18.5			13.6			7.8		85		
90		45.3	44.8		44.1	43.6		40.8	39.9		35.9	35.1		31.6			25.6			18.5			13.5			7.7		90		
95		44.3	44.1		43.5	43		40.8	39.8		35.9	35		31.6	30.6		25.5			18.4			13.3			7.6		95		
100		43.2	43.3	42.8	42.7	42.5		40.7	39.8		35.8	34.8		31.6	30.6		25.5	24.6		18.4			13.2			7.5		100		
105		41.6	42.4	42.2	41.5	41.9		40.4	39.8		35.7	34.7		31.6	30.6		25.5	24.6		18.3			13.1			7.4		105		
110		40.1	41.5	41.5	40.1	41.2	41	39.3	39.4		35.7	34.6		31.6	30.5		25.5	24.5		18.3	17.6		13			7.3		110		
115		38.6	40.3	40.8	38.7	40.4	40.4	38.2	39	38.5	35.7	34.6		31.6	30.5		25.5	24.5		18.3	17.6		12.9	11.9		7.3		115		
120		37.2	38.9	39.9	37.3	39.3	39.8	37	38.6	38.1	35.5	34.6		31.6	30.4		25.5	24.4		18.3	17.6		12.8	11.8		7.2	6.2	120		
125		35.9	37.5	38.9	36	38	39.2	35.9	38	37.7	34.8	34.6	33.9	31.6	30.4		25.5	24.3		18.3	17.6		12.7	11.7		7.1	6.2	125		
130		34.6	36.2	37.6	34.8	36.7	38.3	34.7	36.8	37.3	33.9	34.6	34	31.6	30.4	29.6	25.5	24.1		18.3	17.6		12.7	11.7		7.1	6.1	130		
135		33.5	34.9	36.4	33.7	35.5	37.2	33.7	35.7	36.8	33	34.5	33.9	31.5	30.4	29.5	25.5	23.8	21.8	18.3	17.6		12.6	11.6		7.1	6	135		
140			33.7	35.1	32.7	34.3	36.1	32.7	34.6	36.2	32.2	34.1	33.7	31.2	30.4	29.5	25.5	23.6	21.5	18.3	17.6		12.6	11.5		7.1	6	140		
145			32.7	33.9		33.2	34.9		33.6	35.5		33.2	33.5	30.6	30.4	29.5	25.5	23.3	20.8	18.3	17.6		12.6	11.5		7.1	6	145		
150				32.8		32.3	33.8		32.6	34.4		32.4	32.5	30.1	30.4	29.5	25.5	22.9	20.2	18.3	17.5	15.7	12.6	11.5		7.1	5.9	150		
155						32.8			31.7	33.4		31.6	31.2		30.4	29		22.5	19.6	18.3	17.4	15.2	12.6	11.5	10.3	7.1	5.9	155		
160										32.3		30.9	29.9		30.2	28.2		22.2	19		17.2	14.8		11.5	10.1		5.9		160	
165										30.9						28.6		21.8	18.4		17	14.4		11.5	9.7		5.9		165	
170													27.5					25.9			16.8	14		11.5	9.4		5.9	5.5	170	
175																		24.9			16.7	13.6		11.5	9		5.9	5.4	175	
180																						13.2			8.7		5.9	5.3	180	
185																							12.8			8.3		5.1	185	
190																								12.5			8		4.9	190
195																										7.8		4.7	195	
200																												4.5	200	

* adapter

t_180_54605_00_000

Lifting capacities

TN

		 49 – 182 ft			 157 ft			 29.2x27.9 ft			 360°			 220500 lbs			 85%																										
 ft		49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			 ft														
		157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft																				
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°															
65		39.3			37.1			34.1																					65														
70		38.9			36.8			33.9			29.8			26.3															70														
75		38.6			36.5			33.6			29.6			26.2			21.3			15.1									75														
80		38.4			36.2			33.4			29.4			26			21.2			15.1									80														
85		38.2			36			33.2			29.2			25.8			21.2			15			10.4			5.3			85														
90		37.9	37.5		35.8	35.1		33.1			29.1			25.7			21.1			14.9			10.3			5.2			90														
95		37.5	37		35.7	35		32.9	32.2		29			25.6			21			14.8			10.1			5.1			95														
100		37.1	36.5		35.6	34.9		32.8	32.1		29	28.3		25.5			21			14.8			10			5			100														
105		36.6	36		35.4	34.9		32.8	31.9		28.9	28.2		25.5			20.9			14.7			9.9			4.9			105														
110		36.3	35.5	34.8	35.3	34.6		32.7	31.8		28.9	28.1		25.5	24.8		20.9			14.7			9.8			4.8			110														
115		36	35.1	34.5	35.2	34.3	33.6	32.7	31.8		28.8	28		25.5	24.7		20.9	20.1		14.6			9.7			4.7			115														
120		35.8	34.7	34.2	35	34	33.4	32.7	31.8		28.8	27.9		25.5	24.7		20.9	20		14.6	14		9.6			4.7			120														
125		35.7	34.3	33.7	34.9	33.7	33.1	32.7	31.8	31.1	28.8	27.8		25.5	24.6		20.9	20		14.5	13.9		9.5			4.6			125														
130		35.7	34.1	33.2	34.8	33.4	32.7	32.7	31.6	31.1	28.8	27.8	27.2	25.5	24.6		20.9	20		14.5	13.8		9.4	8.6		4.6			130														
135		35.7	33.8	32.9	34.8	33.2	32.4	32.7	31.5	30.9	28.8	27.8	27.1	25.5	24.6		20.9	19.9		14.5	13.8		9.4	8.5		4.5	3.6		135														
140		35.7	33.7	32.6	34.8	33	32	32.7	31.4	30.6	28.8	27.8	27	25.5	24.6	23.9	20.9	19.9		14.5	13.7		9.3	8.4		4.5	3.6		140														
145		35.6	33.7	32.3	34.8	32.9	31.7	32.6	31.4	30.3	28.8	27.8	27	25.5	24.6	23.9	20.9	19.8		14.5	13.6		9.3	8.4		4.5	3.6		145														
150		35.2	33.7	32	34.8	32.9	31.5	32.6	31.3	30.1	28.8	27.8	27	25.5	24.6	23.8	20.9	19.7	18.2	14.5	13.6		9.3	8.4		4.5	3.5		150														
155		33.4	33.7	32	34.8	32.9	31.3	32.6	31.3	30	28.8	27.8	27	25.5	24.6	23.8	20.9	19.5	17.8	14.5	13.6	13	9.3	8.4		4.5	3.5		155														
160			33.7	32	33.5	32.9	31.3	32.6	31.3	29.9	28.8	27.8	27	25.5	24.6	23.8	20.9	19.4	17.4	14.5	13.6	12.9	9.3	8.4		4.5	3.5		160														
165			33.1	32		32.9	31.2		31.3	29.7		27.8	27	25.5	24.6	23.8	20.9	19.2	16.9	14.5	13.6	12.7	9.3	8.4		4.5	3.5		165														
170				32		32.9	30.9		31.3	29.1		27.8	26.7	25.5	24.6	23.8	20.9	18.9	16.5	14.5	13.6	12.4	9.3	8.4	8	4.5	3.5		170														
175							29.8		30.5	28		27.8	25.8		24.6	23.8		18.7	16		13.6	12.1	9.3	8.4	7.7	4.5	3.5		175														
180									26.9		27.5	24.8			24.6	23.4		18.4	15.6		13.6	11.8		8.4	7.5		3.5		180														
185										25.9			23.8			22.6		18.3	15.1		13.6	11.5		8.4	7.2		3.5	3.4	185														
190													22.9			21.7		18.2	14.7		13.6	11.2		8.4	6.9		3.5	3.5	190														
195													22			20.9				14.3		13.6	10.8		8.4	6.7		3.5	3.6	195													
200																			13.9			10.5			6.5		3.5	3.5	200														
205																					10.2				6.3			3.4	205														
210																								6				3.2	210														
215																									5.9			3	215														
220																												2.8	220														

* adapter

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* adapter

t_180_54705_00_000

Lifting capacities

TN

49 – 165 ft T																															177 ft N			29.2 x 27.9 ft			360°			220500 lbs			85%						
 ft	49 + 11.5 ft*						66 + 11.5 ft*						82 + 11.5 ft*						99 + 11.5 ft*						115 + 11.5 ft*						132 + 11.5 ft*						149 + 11.5 ft*						165 + 11.5 ft*						 ft
	177 ft						177 ft						177 ft						177 ft						177 ft						177 ft						177 ft						177 ft						
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°													
70	31.8						29.9						27																										70										
75	31.5						29.7						27			24.2																						75											
80	31.2						29.5						27			24.1																						80											
85	30.9						29.3						26.9			23.9												17.2					11.7					85											
90	30.6						29.1						26.8			23.7												17.1					11.6			6.8		90											
95	30.5	30.1					28.9						26.7			23.6												17.1					11.4			6.7		95											
100	30.4	30					28.7	28.3					26.5	26		23.4												17					11.3			6.6		100											
105	30.3	30					28.5	28					26.4	26		23.4													16.9					11.2			6.5		105										
110	30	29.6					28.5	27.8					26.3	25.8		23.3	22.8												16.8					11			6.4		110										
115	29.7	29.3					28.5	27.8					26.2	25.7		23.3	22.7												16.7					10.9			6.3		115										
120	29.5	28.9	28.2				28.4	27.8					26.1	25.5		23.2	22.6												16.6	15.8				10.8			6.2		120										
125	29.3	28.6	28				28.4	27.7					26	25.4		23.2	22.5												16.5	15.7				10.7			6.1		125										
130	29.1	28.3	27.8				28.3	27.6	27.1				25.9	25.3		23.2	22.5												16.4	15.6				10.6	9.9		6		130										
135	28.9	28	27.5				28.2	27.4	26.9				25.9	25.3		23.2	22.4												16.3	15.5				10.5	9.8		6	5.2	135										
140	28.8	27.7	27.1				28.1	27.2	26.7				25.9	25.3	24.8	23.2	22.3	21.9											16.2	15.4				10.4	9.7		5.9	5.1	140										
145	28.8	27.5	26.8				28.1	27	26.4				25.9	25.3	24.8	23.2	22.3	21.8											16.2	15.3				10.4	9.7		5.8	5.1	145										
150	28.8	27.3	26.5				28	26.9	26.2				25.9	25.3	24.8	23.2	22.3	21.7											16.2	15.3				10.4	9.6		5.8	5.1	150										
155	28.8	27.2	26.2				27.9	26.8	26				25.9	25.3	24.6	23.2	22.3	21.6											16.2	15.3				10.4	9.6		5.8	5.1	155										
160	28.8	27.2	26				27.9	26.7	25.8				25.9	25.3	24.5	23.2	22.3	21.6											16.2	15.3	14.8			10.4	9.6		5.8	5.1	160										
165	28.8	27.2	25.9				27.9	26.7	25.6				25.9	25.2	24.3	23.2	22.3	21.6											16.2	15.3	14.7			10.4	9.6		5.8	5.1	165										
170	28.8	27.2	25.8				27.9	26.7	25.4				25.9	25.2	24.2	23.2	22.3	21.6											16.2	15.3	14.5			10.4	9.6		5.8	5.1	170										
175	27.3	27.2	25.8				27.9	26.7	25.4				25.9	25.2	24.1	23.2	22.3	21.6											16.2	15.3	14.2			10.4	9.6	9.6	5.8	5.1	175										
180		27.2	25.8				26.9	26.7	25.3				25.9	25.2	24.1	23.2	22.3	21.6											16.2	15.3	13.8			10.4	9.6	9.7	5.8	5.1	180										
185		26.7	25.8					26.7	25.3					25.2	24.1		22.3	21.6											16.2	15.3	13.5			10.4	9.6	9.6	5.8	5.1	5.1	185									
190			25.8					26.7	25.3					25.2	24.1		22.3	21.6											16.2	15.3	13.1			10.4	9.6	9.4	5.8	5.1	5.2	190									
195									24.8					25.2	23.5		22.3	21.4												15.2	12.8			9.6	9.2	5.8	5.1	5.2	195										
200															22.7		22.3	20.8												15.1	12.4			9.6	9		5.1	5.2	200										
205																		20													15	12.1			9.6	8.7		5.1	5.1	205									
210																		19.2															17.9			9.6	8.5		5.1	4.9	210								
215																																		17.3			9.6	8.2		5.1	4.8	215							
220																																				11			8		4.6	220							
225																																					8			7.7		4.4	225						
230																																									4.2	230							
235																																									4	235							

* adapter

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Lifting capacities

TN

		 49 – 165 ft T			 197 ft N			 29.2 x 27.9 ft			 360°			 220500 lbs			85%												
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*		 ft					
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft							
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°							
75	25.4			23.9																			75						
80	25.1			23.8			22.1																80						
85	24.9			23.6			21.9			19.4			17										85						
90	24.7			23.4			21.7			19.2			16.9			12.9			7.6				90						
95	24.4			23.2			21.5			19.1			16.8			12.7			7.5			3.3	95						
100	24.2			23.1			21.3			18.9			16.7			12.5			7.3			3.2	100						
105	24	23.8		22.9			21.2			18.8			16.6			12.4			7.2			3.2	105						
110	23.9	23.6		22.7	22.4		21.1			18.7			16.5			12.2			7.1			3.1	110						
115	23.7	23.5		22.6	22.3		21	20.6		18.6	18.1		16.4			12.1			7			3	115						
120	23.6	23.4		22.5	22.1		20.9	20.5		18.5	18.1		16.3			12			6.9			3	120						
125	23.5	23.3		22.4	21.9		20.8	20.4		18.5	18		16.3	15.9		11.8			6.8			3	125						
130	23.4	23.1	22.4	22.3	21.8		20.7	20.3		18.4	18		16.2	15.8		11.8	11.1		6.7			2.9	130						
135	23.3	22.8	22.3	22.2	21.7		20.6	20.2		18.4	17.9		16.2	15.7		11.7	11		6.7	6		2.9	135						
140	23.2	22.6	22.1	22.1	21.7	21.3	20.6	20		18.3	17.8		16.2	15.7		11.6	10.9		6.7	6		2.9	140						
145	23	22.4	22	22.1	21.6	21.3	20.5	19.9		18.3	17.8		16.2	15.6		11.6	10.8		6.7	5.9		2.9	145						
150	22.9	22.2	21.8	22.1	21.6	21.3	20.5	19.9	19.5	18.3	17.7		16.2	15.6		11.6	10.8		6.6	5.9		2.9	150						
155	22.8	22	21.6	22.1	21.5	21.2	20.4	19.9	19.4	18.3	17.7	17.3	16.2	15.6		11.6	10.8		6.6	5.9		2.9	155						
160	22.8	21.9	21.3	22	21.4	21	20.4	19.9	19.4	18.3	17.6	17.2	16.2	15.6		11.6	10.8		6.6	5.9		2.9	160						
165	22.8	21.8	21.1	22	21.4	20.8	20.4	19.9	19.4	18.3	17.6	17.2	16.2	15.6	15.1	11.6	10.8		6.6	5.9		2.9	165						
170	22.8	21.7	20.8	21.9	21.3	20.7	20.4	19.9	19.4	18.3	17.6	17.1	16.2	15.6	15.1	11.6	10.8		6.6	5.9		2.9	170						
175	22.8	21.7	20.7	21.9	21.2	20.5	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15.1	11.6	10.8	10.8	6.6	5.9		2.9	175						
180	22.8	21.7	20.6	21.9	21.2	20.4	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15	11.6	10.8	10.9	6.6	5.9		2.9	180						
185	22.8	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6	2.9	185						
190	22.7	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6.2	2.9	190						
195	21.3	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6.3	2.9	195						
200		21.7	20.5	21.1	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	10.8	6.6	5.9	6.4	2.9	200						
205			20.5		21.2	20.3		19.9	19.3		17.6	17	16.2	15.6	15	11.6	10.8	10.5	6.6	5.9	6.5	2.9	205						
210			20.5			20.3		19.9	19.3		17.6	17		15.6	15		10.8	10.3		5.9	6.6	2.9	210						
215						20.3		19.9	19.3		17.6	17		15.6	15		10.8	10		5.9	6.6	2.9	215						
220									18.9		17.6	16.9		15.6	15		10.8	9.7		5.9	6.6		220						
225												16.6				14.9		10.8	9.4		5.9	6.4	225						
230												15.9				14.7			9		5.9	6.3	230						
235																14.2			8.7		5.9	6.1	235						
240																			8.5			5.9	240						
245																					5.7		245						

* adapter

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Lifting capacities

TN

		 49 – 149 ft T			 217 ft N			 29.2 x 27.9 ft			 360°			 220500 lbs			85%							
 ft		49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			 ft	
		217 ft			217 ft			217 ft			217 ft			217 ft			217 ft			217 ft				
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°		
85		20.3			19.3			17.9															85	
90		20.2			19.1			17.7			15.6			13.4									90	
95		20			18.9			17.5			15.5			13.4			9.1			4.4			95	
100		19.8			18.7			17.4			15.4			13.3			8.9			4.3			100	
105		19.6			18.6			17.2			15.2			13.1			8.8			4.2			105	
110		19.4			18.5			17			15.1			13			8.6			4.1			110	
115		19.2	19		18.3			16.9			15			12.8			8.5			4			115	
120		19.1	18.9		18.2	18		16.8			14.9			12.7			8.4			3.9			120	
125		19	18.7		18.1	17.8		16.8	16.5		14.8			12.5			8.3			3.8			125	
130		18.9	18.6		18	17.7		16.7	16.4		14.7	14.4		12.4	11.9		8.2			3.8			130	
135		18.8	18.5		17.8	17.5		16.6	16.3		14.6	14.3		12.3	11.8		8.1	7.5		3.7			135	
140		18.7	18.4		17.7	17.4		16.5	16.2		14.6	14.2		12.3	11.7		8.1	7.4		3.6	3		140	
145		18.6	18.3	17.9	17.6	17.3		16.4	16.1		14.6	14.2		12.3	11.7		8.1	7.3		3.6	3		145	
150		18.6	18.2	17.8	17.5	17.1	16.8	16.4	16		14.5	14.1		12.3	11.7		8.1	7.3		3.6	3		150	
155		18.5	18	17.7	17.5	17.1	16.8	16.3	15.9		14.5	14.1		12.3	11.7		8.1	7.3		3.6	3.1		155	
160		18.4	17.9	17.6	17.5	17.1	16.8	16.3	15.8	15.6	14.5	14		12.3	11.7		8.1	7.3		3.6	3.2		160	
165		18.3	17.8	17.5	17.4	17.1	16.8	16.2	15.8	15.5	14.5	14	13.7	12.3	11.7		8.1	7.3		3.6	3.3		165	
170		18.3	17.6	17.3	17.4	17.1	16.8	16.2	15.7	15.4	14.5	14	13.6	12.3	11.7		8.1	7.3		3.6	3.3		170	
175		18.3	17.5	17.1	17.4	17.1	16.7	16.2	15.6	15.3	14.5	13.9	13.5	12.3	11.7	11.7	8.1	7.3		3.6	3.4		175	
180		18.2	17.4	17	17.4	17	16.7	16.2	15.6	15.3	14.5	13.9	13.5	12.3	11.7	11.7	8.1	7.3		3.6	3.5		180	
185		18.2	17.4	16.8	17.4	17	16.6	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.6		185	
190		18.1	17.4	16.7	17.4	17	16.5	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.6		190	
195		18.1	17.4	16.6	17.4	17	16.4	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.7	3.3	195	
200		18.1	17.4	16.5	17.4	17	16.3	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.3	200	
205		18.1	17.4	16.5	17.4	17	16.3	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.4	205	
210		18.1	17.4	16.5	17.4	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.6	210	
215		17.5	17.4	16.5	17.4	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.7	215	
220			17.4	16.5	17.2	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.7	220	
225				16.5		17	16.2		15.6	15.3		13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.8	225	
230				16.5			16.2		15.6	15.3		13.9	13.4		11.7	11.6		7.3	7.5		3.7	3.8	230	
235							16.2		15.6	15.3		13.9	13.4		11.7	11.6		7.3	7.5		3.7	3.8	235	
240									15.3			13.9	13.4		11.7	11.6		7.3	7.3		3.7	3.7	240	
245													13.3			11.6		7.3	7.1		3.7	3.7	245	
250																11.6			6.9		3.7	3.7	250	
255																11.5			6.7		3.7	3.7	255	
260																			6.5			3.7	260	
265																						3.7	265	

* adapter

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* adapter

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Lifting capacities

TN

49 – 132 ft T 236 ft N 29.2 x 27.9 ft 360° 220500 lbs 85%																			
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			ft
	236 ft			236 ft			236 ft			236 ft			236 ft			236 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
90	15.9																	90	
95	15.8			15.1			13.9			12.2			10					95	
100	15.7			15			13.9			12.1			10			6.2		100	
105	15.6			14.8			13.7			12			9.8			6		105	
110	15.4			14.6			13.6			11.9			9.7			5.9		110	
115	15.3			14.5			13.4			11.8			9.5			5.8		115	
120	15.1			14.4			13.3			11.7			9.4			5.7		120	
125	15	14.5		14.2	13.7		13.2			11.6			9.3			5.6		125	
130	14.8	14.5		14.1	13.7		13			11.5			9.1			5.5		130	
135	14.7	14.5		14	13.7		12.9	12.7		11.4			9			5.4		135	
140	14.6	14.4		13.9	13.7		12.9	12.6		11.3	11		8.9			5.4		140	
145	14.5	14.3		13.8	13.6		12.8	12.6		11.3	10.9		8.8	8.5		5.3		145	
150	14.4	14.2		13.7	13.5		12.7	12.5		11.2	10.9		8.8	8.5		5.3		150	
155	14.3	14.1		13.6	13.4		12.6	12.4		11.2	10.8		8.8	8.6		5.3	4.9	155	
160	14.2	14	13.6	13.5	13.3		12.6	12.3		11.1	10.8		8.8	8.6		5.3	4.9	160	
165	14.1	13.9	13.6	13.4	13.2	12.8	12.5	12.2		11.1	10.7		8.8	8.6		5.3	5	165	
170	14.1	13.8	13.6	13.4	13.1	12.8	12.5	12.2		11.1	10.7		8.8	8.6		5.3	5	170	
175	14.1	13.7	13.6	13.3	13.1	12.8	12.5	12.1	11.8	11	10.7		8.8	8.6		5.3	5.1	175	
180	14.1	13.6	13.5	13.3	13	12.8	12.4	12.1	11.8	11	10.6	10.3	8.8	8.6		5.3	5.2	180	
185	14	13.6	13.3	13.2	12.9	12.7	12.4	12	11.8	11	10.6	10.3	8.8	8.6	8.6	5.3	5.3	185	
190	14	13.5	13.2	13.2	12.9	12.7	12.4	11.9	11.7	11	10.5	10.3	8.8	8.6	8.6	5.3	5.3	190	
195	14	13.5	13.1	13.2	12.9	12.7	12.4	11.9	11.6	11	10.5	10.2	8.8	8.6	8.6	5.3	5.3	5	195
200	14	13.4	13	13.2	12.9	12.7	12.4	11.9	11.6	11	10.5	10.1	8.8	8.6	8.6	5.3	5.4	5.1	200
205	14	13.4	12.9	13.2	12.9	12.7	12.4	11.9	11.6	11	10.4	10.1	8.8	8.6	8.6	5.3	5.4	5.2	205
210	14	13.4	12.8	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.3	210
215	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.3	215
220	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.4	220
225	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.4	225
230	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.4	230
235	13.9	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.4	235
240		13.4	12.7	13	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.3	240
245			12.7		12.9	12.6		11.9	11.6		10.4	10	8.8	8.6	8.6	5.3	5.3	5.3	245
250			12.7			12.6		11.9	11.6		10.4	10		8.6	8.6		5.3	5.3	250
255						12.6		11.9	11.6		10.4	10		8.6	8.6		5.3	5.3	255
260									11.6			10		8.6	8.6		5.3	5.3	260
265												10			8.6		5.3	5.3	265
270															8.6			5.1	270
275															8.6			4.9	275
280																		4.8	280

* adapter

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* adapter

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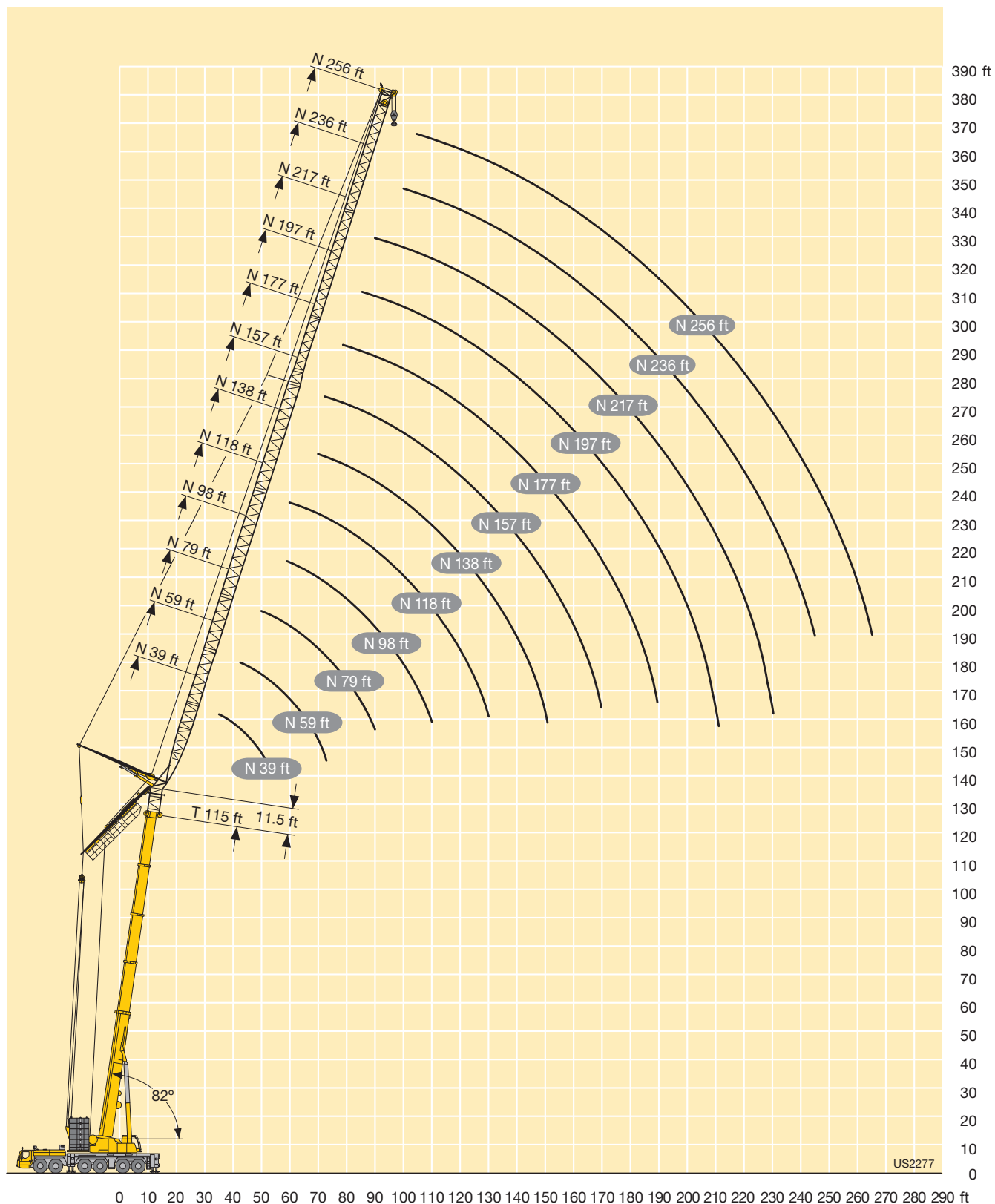
Lifting capacities

TN

49-115 ft 256 ft 29.2x27.9 ft 360° 220500 lbs 85%																
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			 ft
	256 ft			256 ft			256 ft			256 ft			256 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
95	12.5															95
100	12.4			11.7			10.7			9			6.6			100
105	12.4			11.7			10.7			8.9			6.5			105
110	12.3			11.6			10.6			8.7			6.4			110
115	12.1			11.5			10.6			8.6			6.3			115
120	12			11.3			10.5			8.4			6.1			120
125	11.9			11.2			10.4			8.3			6			125
130	11.7			11.1			10.2			8.2			5.9			130
135	11.6	11.2		11			10.1			8.1			5.8			135
140	11.5	11.2		10.9	10.5		10	9.5		8			5.7			140
145	11.4	11.2		10.8	10.5		9.9	9.6		8	7.6		5.7			145
150	11.3	11.1		10.7	10.5		9.8	9.6		7.9	7.6		5.7			150
155	11.2	11		10.6	10.5		9.8	9.5		7.9	7.7		5.7	5.4		155
160	11	10.9		10.5	10.4		9.7	9.5		7.9	7.7		5.7	5.5		160
165	10.9	10.8	10	10.4	10.3		9.6	9.4		7.9	7.8		5.7	5.5		165
170	10.8	10.7	10.2	10.4	10.2		9.6	9.3		7.9	7.8		5.7	5.6		170
175	10.8	10.6	10.2	10.3	10.1	9.4	9.5	9.3		7.9	7.8		5.7	5.6		175
180	10.7	10.6	10.3	10.2	10	9.5	9.5	9.2	8.5	7.9	7.8		5.7	5.7		180
185	10.7	10.5	10.4	10.2	10	9.6	9.5	9.1	8.6	7.9	7.8	7.3	5.7	5.7		185
190	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.1	8.6	7.9	7.8	7.4	5.7	5.8		190
195	10.6	10.4	10.3	10.1	9.8	9.6	9.4	9	8.7	7.9	7.8	7.5	5.7	5.8		195
200	10.6	10.4	10.2	10.1	9.8	9.5	9.4	8.9	8.6	7.9	7.7	7.5	5.7	5.8	5.6	200
205	10.6	10.3	10	10.1	9.7	9.4	9.4	8.9	8.6	7.9	7.7	7.5	5.7	5.9	5.7	205
210	10.6	10.3	9.9	10.1	9.7	9.4	9.4	8.8	8.6	7.9	7.7	7.5	5.7	5.9	5.8	210
215	10.6	10.2	9.8	10.1	9.7	9.4	9.4	8.8	8.6	7.9	7.7	7.4	5.7	5.9	5.8	215
220	10.5	10.2	9.7	10	9.7	9.4	9.4	8.8	8.5	7.9	7.7	7.4	5.7	5.9	5.8	220
225	10.4	10.2	9.7	10	9.7	9.4	9.4	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	225
230	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	230
235	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	235
240	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	240
245	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	245
250	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	250
255	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	255
260		10.1	9.6		9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	260
265			9.6		9.7	9.4		8.8	8.5		7.7	7.4	5.7	5.8	5.8	265
270			9.6			9.4		8.8	8.5		7.7	7.4		5.8	5.8	270
275						9.4		8.8	8.5		7.7	7.4		5.8	5.8	275
280									8.5			7.4		5.8	5.8	280
285												7.4			5.8	285
290															5.8	290
295															5.8	295

* adapter

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Lifting capacities

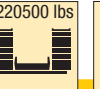
TYVEN

115 – 149 ft  11.5 ft  39 ft 29.2 x 27.9 ft 360° 264600 lbs 85%							
 ft	115 + 23 ft*		132 + 23 ft*		149 + 23 ft*		 ft
	39 ft**		39 ft**		39 ft**		
	82°	75°	82°	82°			
40	122.3						40
42	124.9						42
44	124.8						44
46	123.3						46
48	120.3			109.9			48
50	117.4			109.2			50
55				108.5		97.6	55
60				104.5		96.3	60
65			100.1				65
70			93.2				70

* adapter 11.5 ft + telescopic boom extension 11.5 ft

** Hookblock with deadweight of 6615 lbs necessary

t_180_64103_00_000

 115 – 149 ft T  Y  11.5 ft V  E  39 ft N  29.2 x 27.9 ft  360°  220500 lbs 85%								 ft		115 + 23 ft*		132 + 23 ft*		149 + 23 ft*		 ft	
		39 ft**		39 ft**		39 ft**											
		82°		75°		82°		82°									
40	122.3								40								
42	124.9								42								
44	124.8								44								
46	123.3				109.9				46								
48	120.3				109.2				48								
50	117.4				108.5		97.6		50								
55					104.5		96.3		55								
60									60								
65			93.9						65								
70			87.1						70								

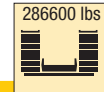
* adapter 11.5 ft + telescopic boom extension 11.5 ft

** Hookblock with deadweight of 6615 lbs necessary

t_180_64105_00_000

Lifting capacities

TYVEN

		 115 – 215 ft						 11.5 ft						 59 ft			 29.2 x 27.9 ft			 360°			 286600 lbs			85%		
	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*									
	59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***									
ft	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	ft						
46	83.5																					46						
48	85.8																					48						
50	88.2																					50						
55	93.4			89.3						72.2												55						
60	97.2			90.1			81.7			71.8												60						
65	97.5			88.6			80.9			70.7			62			53.6						65						
70	93.3	92.8		84.5			79.8			69.6			61.2			52.9			46.7			70						
75		88.5		80.4	77.6		77.6			68			60.3			52.1			46.2			75						
80		83			74.9								59.4			51.3			45.3			80						
85		77.9			70.1		64.6						58.5			50.5			44.3			85						
90		73.4	64.8		66.3		60.9			58.9												90						
95			61.9				57.5			56.7				53.2								95						
100			58.7			47.7				54.5				52			41.1					100						
105						45.1											40.6					105						
110						42.6			37								39.5			34.7		110						
115								35.3			40.7								33.6			115						
120											39.6											120						
125																						125						
130															32.5							130						
135																		18.1				135						
140																				17.8		140						

* adapter 11.5 ft + telescopic boom extension 11.5 ft

*** Hookblock with deadweight of 3200 lbs necessary

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		 115 – 215 ft			 11.5 ft			 59 ft			 29.2 x 27.9 ft			 360°			 220500 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft		
	59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
46	83.5																					46		
48	85.8																					48		
50	88.2																					50		
55	93.4				89.3					72.2												55		
60	97.2				90.1			81.7		71.8												60		
65	97.5				88.6			80.9		70.7			62			53.6						65		
70	93.3	84.8			84.5			79.8		69.6			61.2			52.9			46.7			70		
75		80.4			80.4	73.9		77.6		68			60.3			52.1			46.2			75		
80		75.2				71							59.4			51.3			45.3			80		
85		70.5				66.6		62.8					58.5			50.5			44.3			85		
90		66.4	57.7			62.8		59.6		55.6												90		
95			54.9					56.4		52.7			46									95		
100			51.8							50			44.5						41.1			100		
105						47													40.6			105		
110						44.4																110		
115						42			37										39			115		
120								35.3			32.3											120		
125										31.4												125		
130														24.1								130		
135																	18.1					135		
140																					17.3	140		

* adapter 11.5 ft + telescopic boom extension 11.5 ft

*** Hookblock with deadweight of 3200 lbs necessary

t_180_64205_00_000

Lifting capacities

TYVEN

 115 – 215 ft				 11.5 ft				 79 ft				 29.2 x 27.9 ft				 360°				 308600 lbs				 85%			
	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*								
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft			79 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
55	70.3																					55					
60	74																					60					
65	78.2																					65					
70	80																					70					
75	79.8	78.9																				75					
80	77.8	77.6																				80					
85	74.4	74.7																				85					
90	71.2	71.9																				90					
95		69.2																				95					
100		66.6	58.4																			100					
105		63.9	57																			105					
110		60.9	54.3																			110					
115			51.7																			115					
120			49.4																			120					
125																						125					
130																						130					
135																						135					
140																						140					
145																						145					
150																						150					
155																						155					
160																						160					

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64301_00_0000

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64301_00_000

 115 – 215 ft			 11.5 ft			 11.5 ft			 79 ft			 79 ft			 29.2 x 27.9 ft			 360°			 220500 lbs			85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft				
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft			79 ft							
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°					
55	70.3																					55				
60	74			71.4																		60				
65	78.2			74.6						61												65				
70	80			74.4			67.5			60.3			52.5			46.1						70				
75	79.8	77.8		73			67.2			59.5			52.1			45.6			40.2			75				
80	77.8	74.7		70.7			66.4			58.7			51.4			45			39.9			80				
85	74.4	70.1		67.6	66		65.5			57.8			50.7			44.3			39.3			85				
90	71.2	66.1		64.7	62.4		64.2			56.8			49.9			43.6			38.7			90				
95		62.4		61.9	58.9		62.1	54.5		55	49.4		49.2			43			37.9			95				
100		59.1	49.7		55.7			51.7			47.8		48.5	42.3		42.3			36.9			100				
105		56	48.3		52.6			49.2			45.4			41.2								105				
110		53.1	45.8		49.9	41		46.9			43.3			39.3			36.7					110				
115			43.5			39.3		44.7			41.4			37.6			35.3		30.5			115				
120			41.3			37.3			33.7		39.6			36			33.8		29.9			120				
125						35.5			32.2								32.3		28.9			125				
130						33.8			30.9			26.8					31		27.8			130				
135									29.6			25.7							26.7			135				
140												24.7					21.8					140				
145																	20.3		15.8			145				
150																	19.5		15.9			150				
155																			15.9			155				
160																					13.6 13	160				

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64305_00_000

Lifting capacities

TYVEN

115 – 215 ft		11.5 ft		98 ft		29.2 x 27.9 ft		360°		308600 lbs		85%							
T		Y		V		E		N											
115 + 23 ft*		132 + 23 ft*		149 + 23 ft*		165 + 23 ft*		182 + 23 ft*		198 + 23 ft*		215 + 23 ft*							
98 ft		98 ft		98 ft		98 ft		98 ft		98 ft		98 ft							
82° 75° 68°		82° 75° 68°		82° 75° 68°		82° 75° 68°		82° 75° 68°		82° 75° 68°		82° 75° 68°							
60	58.9												60						
65	61.1												65						
70	63.7			61.8				51.2					70						
75	65.7			62.2		56.3		51.2		44.7	39.3		75						
80	66.9			61.9		56.1		50.6		44.5	39.1		80						
85	66.6			61.2		55.6		50		44	38.6	34	85						
90	65.6	65		60		54.9		49.4		43.4	38	33.6	90						
95	63.5	63.6		58	57.2	54.2		48.7		42.9	37.5	33	95						
100	60.9	61.4		55.5	54.9	53.4	52.5	48.1		42.3	36.9	32.5	100						
105	58.3	59.1		53.3	52.8	52.5	51.8	47.4		41.7	36.4	31.9	105						
110	55.8	56.9		51	50.8	50.5	49.9	46.7	45.7	41.1	35.8	31.4	110						
115		54.8	50.9	48.8	48.9	48.6	48.1	45.5	44.5	40.5	39.2	35.2	33.8	30.8	115				
120		52.8	48.5		47.1	44.7		46.4		42.9	39.9	38.6	34.7	33.6	30.2	28.1	120		
125		50.8	46.3		45.4	42.6		44.8		41.4		38		33.1		28	125		
130		48.8	44.4		43.7	40.8		43.3	38.7	40		37.2		32.3		26.9	130		
135			42.5			39.1		41.8	37.3	38.7		36.1		31.4		26	135		
140			40.8			37.4			35.7	37.4	32.5			30.5		25	140		
145						35.9			34.2		31.1			29.4		24.1	145		
150						34.6			32.9		29.9			27.1		23.3	150		
155									31.6		28.7			26.1		22.5	155		
160											27.6			25.1		14.2	160		
165														24.1		14.1	165		
170														23.2		13.8	170		
175																13.4	10.8	175	
180																	10.9	10.8	180

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64401_00_000

																								
115 – 215 ft		11.5 ft		11.5 ft		98 ft		29.2 x 27.9 ft		360°		220500 lbs		85%										
		115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*				
ft		98 ft			98 ft			98 ft			98 ft			98 ft			98 ft			98 ft			ft	
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°		
60		58.9																						60
65		61.1																						65
70		63.7																						70
75		65.7																						75
80		66.9																						80
85		66.6																						85
90		65.6	64.3																					90
95		63.5	61.8																					95
100		60.9	58.4																					100
105		58.3	55.4																					105
110		55.8	52.5																					110
115			49.9	42.7																				115
120			47.4	40.5																				120
125			45.1	38.6																				125
130			43	36.8																				130
135				35.1																				135
140				33.5																				140
145																								145
150																								150
155																								155
160																								160
165																								165
170																								170
175																								175
180																								180

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t 180_64405_00_000

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64405_00_000

Lifting capacities

TYVEN

 115 – 215 ft			 11.5 ft			 11.5 ft			 118 ft			 118 ft			 29.2 x 27.9 ft			 360°			 308600 lbs			 85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft				
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft							
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°					
70	50.2																					70				
75	51.8																					75				
80	53.4																					80				
85	54.5																					85				
90	54.2																					90				
95	53.6	52.2																				95				
100	52.6	52.1																				100				
105	51.1	52.1																				105				
110	49.4	51																				110				
115	47.8	49.5																				115				
120	46.1	47.9	45.8																			120				
125	44.6	46.2	45.1																			125				
130	43.1	44.7	43.8																			130				
135		43.3	42.2																			135				
140		41.8	40.5																			140				
145		40.4	38.8																			145				
150		38.9	37.3																			150				
155			35.9																			155				
160			34.5																			160				
165																						165				
170																						170				
175																						175				
180																						180				
185																						185				
190																						190				
195																						195				
200																						200				

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64501_00_000

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64501_00_000

		115 – 215 ft						11.5 ft						118 ft			29.2 x 27.9 ft						360°						220500 lbs			85%		
ft		115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*					ft									
		118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft														
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
70		50.2																													70			
75		51.8						40																							75			
80		53.4						43.5			41.2																				80			
85		54.5						46.1			42.2																				85			
90		54.2						46.5			42.2						37.1														90			
95		53.6	52.2					46.3			41.8						36.8														95			
100		52.6	52.1					45.8			41.4						36.4														100			
105		51.1	52.1					45.4			40.9						36														105			
110		49.4	51					44.8	43.8		40.4						35.5														110			
115		47.8	49.3					44.3	42.3		39.9	37.1					35.1														115			
120		46.1	47.2	39.3				43.8	40.4		39.4	36					34.6	31.7													120			
125		44.6	45	38.2				43.3	38.7		38.9	34.4					34.2	31													125			
130		43.1	42.9	36.5				42	37.1		38.4	32.9					33.7	29.7													130			
135			41	34.8				40.6	35.6		37.7	31.6					33.3	28.4													135			
140			39.2	33.2					26.1		30.3						32.9	27.3													140			
145			37.5	31.8					25		29.1							26.2													145			
150			35.9	30.4					24		28	19.7						25.2													150			
155				29.2					23.1		27	18.9						24.2													155			
160				27.9					22.2		26	18.2						23.3	15												160			
165									21.4			17.4							14.4												165			
170									20.6			16.8																			170			
175									19.8			16.1																			175			
180												15.5																			180			
185																															185			
190																															190			
195																															195			
200																															200			

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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Lifting capacities

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		 115 – 215 ft			 11.5 ft			 138 ft			 29.2 x 27.9 ft			 360°			 308600 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft		
	138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
75	44.5			40.2																		75		
80	45			41			36															80		
85	45.3			41.5			37.4															85		
90	44.9			41.8			37.9			33.3												90		
95	44.2			41.8			38.2			34.4			26.9			26.5			23.5			95		
100	43.3	42.5		41.7			38.2			34.7			30			26.5			23.4			100		
105	42.2	42.4		41.3			38.1			34.7			30.5			26.4			23.3			105		
110	41.1	42.4		40.7	40.5		37.8			34.4			30.3			26.2			23.1			110		
115	39.7	41.5		40	40		37.4	36.5		34			30			25.9			22.9			115		
120	38.2	40.2		38.9	39.1		37.1	36.4		33.6	32.2		29.7			25.6			22.6			120		
125	36.8	38.8		37.5	37.7		36.7	36.1		33.2	32.2		29.3			25.3			22.3			125		
130	35.5	37.5		36.2	36.5		36.2	35.8		32.8	32		29			24.9			21.9			130		
135	34.2	36.3	34.7	34.9	35.2		35.3	35.5		32.5	31.7		28.6	27.5		24.6	23.5		21.6			135		
140	33	35	33.7	33.7	34	31.6	34.2	34.8		32.1	31.4		28.3	27.2		24.2	23.3		21.2	19.9		140		
145	31.9	33.9	32.7	32.5	32.9	30.8	33.1	33.8		31.7	31.2		27.9	27		23.9	23		20.9	19.8		145		
150	30.9	32.8	31.8	31.5	31.8	30	32	32.7	30.7	31.4	30.8		27.6	26.8		23.6	22.7		20.5	19.6		150		
155		31.6	30.8		30.8	29.1	31	31.7	29.9	31.1	30		27.3	26.5		23.3	22.5		20.2	19.1		155		
160		30.5	29.9		29.8	28.2		30.7	29.1		29.1	25.9		26.2		23	22.2		19.8	18.6		160		
165		29.4	29		28.7	27.4		29.8	28.1		28.2	24.8		25.8		22			18			165		
170		28	28.2		27.7	26.6		28.9	27		27.4	23.9		25.5		21.7			17.5			170		
175			27.3			25.8		28.1	26.1		26.6	23		24.9	20.4	21.2			16.9			175		
180			26.4			25.1			25.1		25.8	22.2		24.3		19.6	7.3		16.4			180		
185						24.3			24.2			21.3				18.9	7.3		15.9			185		
190						23.5			23.4			20.6				18.1	7.3		15.4			190		
195									22.5			19.8				17.5	7.3		14.9	7.8		195		
200												19.1				16.8	7.2			7.8		200		
205																16.2	7			7.7		205		
210																		6.8			7.6	210		
215																		6.4			7.5	215		
220																					7.2	220		

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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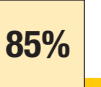
		 115 – 215 ft			 11.5 ft			 138 ft			 29.2 x 27.9 ft			 360°			 220500 lbs			 85%				
ft		115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			ft	
		138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft				
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°		
75		44.5			40.2			36															75	
80		45			41			37.4															80	
85		45.3			41.5			37.9															85	
90		44.9			41.8			38.2			33.3												90	
95		44.2			41.8			38.2			34.4			26.9			26.5			23.5			95	
100		43.3	42.5		41.7			38.2			34.7			30			26.5			23.4			100	
105		42.2	42.4		41.3			38.1			34.7			30.5			26.4			23.3			105	
110		41.1	42.4		40.7	40.5		37.8			34.4			30.3			26.2			23.1			110	
115		39.7	41.5		40	40		37.4	36.5		34			30			25.9			22.9			115	
120		38.2	40.2		38.9	39.1		37.1	36.4		33.6	32.2		29.7			25.6			22.6			120	
125		36.8	38.8		37.5	37.7		36.7	36.1		33.2	32.2		29.3			25.3			22.3			125	
130		35.5	37.5		36.2	36.5		36.2	35.8		32.8	31.7		29			24.9			21.9			130	
135		34.2	36.3	34.3	34.9	35.2		35.3	34.8		32.5	30.6		28.6	26.9		24.6	23.5		21.6			135	
140		33	35	32.9	33.7	34	28.4	34.2	33.5		32.1	29.4		28.3	25.9		24.2	23.3		21.2	19.9		140	
145		31.9	33.9	31.4	32.5	32.9	27.3	33.1	32.2		31.7	28.2		27.9	24.9		23.9	23		20.9	19.8		145	
150		30.9	32.8	30.1	31.5	31.8	26.2	32	31	23.2	31.4	27.1		27.6	23.9		23.6	22.7		20.5	19.6		150	
155			31.6	28.9		30.8	25.2	31	29.9	22.3	31.1	26.1		27.3	22.9		23.3	22.2		20.2	19.1		155	
160			30.5	27.7		29.8	24.2		28.8	21.5		25.1	17.2		22.1		23	21.5		19.8	18.6		160	
165			29.4	26.5		28.7	23.3		27.8	20.6		24.2	16.5		21.2			20.7		18			165	
170			28	25.4		27.7	22.4		26.8	19.9		23.3	15.8		20.5			19.9		17.4			170	
175				24.4			21.5		25.7	19.1		22.5	15.2		19.7	12		19.2		16.8			175	
180				23.4			20.6			18.5		21.8	14.6		19	11.5		18.5	7.3	16.2			180	
185							19.8			17.8			14			11		17.9	7.3	15.6			185	
190							19			17.2			13.5			10.5		17.2	7.3	15	7.2		190	
195										16.6			13						7.3	14.5	6.9		195	
200													12.5					7.2		6.5			200	
205																		7		6.2			205	
210																			6.8		5.9		210	
215																			6.4		5.6		215	
220																					5.3		220	

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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Lifting capacities

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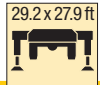
		 115 – 215 ft			 11.5 ft			 157 ft			 29.2 x 27.9 ft			 360°			 308600 lbs			 85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft
	157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
80	35.7			31.7																		80
85	36.3			32.7																		85
90	36.6			33.4			30.8															90
95	36.6			33.9			31.3			27.3			24.3									95
100	36.4			34.3			31.5			28.2			24.7			22.1						100
105	36.1			34.5			31.6			28.6			25.1			22.2			19.6			105
110	35.8	34.5		34.5			31.6			28.8			25.1			22.2			19.6			110
115	35.5	34.4		34.4	33.2		31.5			28.8			25.1			22.1			19.5			115
120	35.2	34.3		34.3	33.1		31.3	30.7		28.7			25			22.1			19.4			120
125	34.9	34.2		34.2	33		31.2	30.6		28.4			24.8			21.9			19.3			125
130	34.7	34.1		34	33		31	30.4		28.2	27.1		24.6			21.7			19.1			130
135	34.5	34		33.8	32.9		30.8	30.2		27.9	27		24.3	23.2		21.5			18.8			135
140	34	33.4	31	33.4	32.3		30.5	30		27.6	26.8		24.1	23.1		21.2	19.9		18.6			140
145	33.1	32.3	30.5	32.9	31.3		30.2	29.8		27.3	26.6		23.8	22.9		20.9	19.8		18.3			145
150	31.9	31.3	29.7	31.8	30.3		29.9	29.6		27	26.4		23.5	22.7		20.6	19.6		18	16.7		150
155	30.8	30.3	28.9	30.6	29.3	27	29.7	29		26.7	26.2		23.2	22.5		20.4	19.4		17.7	16.6		155
160	29.7	29.3	28.1	29.6	28.4	26.3	29.3	28.2	25.9	26.5	26		23	22.3		20.1	19.2		17.4	16.4		160
165	28.5	28.4	27.3	28.5	27.5	25.6	28.6	27.3	25.2	26.2	25.7		22.7	22.1		19.8	19.1		17.1	16.2		165
170	27.2	27.5	26.5	27.4	26.6	24.8	27.6	26.4	24.5	26	25.4	23.1	22.5	21.9		19.5	18.9		16.9	16		170
175		26.6	25.8		25.8	24.2	26.6	25.6	23.8	25.8	24.7	22.3	22.3	21.7		19.3	18.6		16.6	15.5		175
180		25.7	25		24.9	23.5		24.8	23.1		24	21.5		21.5	19.6	19.1	18.4		16.3	15.1		180
185		24.7	24.3		24.1	22.8		24.1	22.5		23.3	20.7		21.2	19.2		18.2			14.6		185
190		23.4	23.6		23.3	22.2		23.3	21.8		22.7	19.9		20.9	18.6		18			14.2		190
195			22.9			21.6		22.5	21.2		22	19.2		20.3	17.9		17.6	6		13.8		195
200			22.2			20.9			20.6		21.4	18.5		19.8	17.3		16.9	6		13.3	6.3	200
205						20.3			20.1			17.9			16.6		15.9	6		12.9	6.4	205
210									19.5			17.2			16.1			6		12.5	6.4	210
215									18.9			16.6			15.5			5.9		12.2	6.4	215
220												16.1			14.9			5.8			6.3	220
225															14.4			5.6			6.2	225
230																		5.2			6.1	230
235																		4.9			6	235
240																					5.7	240

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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Lifting capacities

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		 115 – 215 ft			 11.5 ft			 157 ft			 29.2x27.9 ft			 360°			 220500 lbs			 85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft
	157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
80	35.7			31.7																		80
85	36.3			32.7																		85
90	36.6			33.4			30.8															90
95	36.6			33.9			31.3			27.3			24.3									95
100	36.4			34.3			31.5			28.2			24.7			22.1						100
105	36.1			34.5			31.6			28.6			25.1			22.2			19.6			105
110	35.8	34.5		34.5			31.6			28.8			25.1			22.2			19.6			110
115	35.5	34.4		34.4	33.2		31.5			28.8			25.1			22.1			19.5			115
120	35.2	34.3		34.3	33.1		31.3	30.7		28.7			25			22.1			19.4			120
125	34.9	34.2		34.2	33		31.2	30.6		28.4			24.8			21.9			19.3			125
130	34.7	34.1		34	33		31	30.4		28.2	27.1		24.6			21.7			19.1			130
135	34.5	34		33.8	32.9		30.8	30.2		27.9	27		24.3	23.2		21.5			18.8			135
140	34	33.4	31	33.4	32.3		30.5	30		27.6	26.8		24.1	23.1		21.2	19.9		18.6			140
145	33.1	32.3	30.5	32.9	31.3		30.2	29.8		27.3	26.5		23.8	22.9		20.9	19.8		18.3			145
150	31.9	31.3	29.3	31.8	30.3		29.9	29.6		27	26		23.5	22.7		20.6	19.6		18	16.7		150
155	30.8	30.3	28	30.6	29.3	23.8	29.7	28.8		26.7	25.1		23.2	22.5		20.4	19.4		17.7	16.6		155
160	29.7	29.3	26.9	29.6	28.4	22.9	29.3	27.8	20.5	26.5	24.2		23	22.2		20.1	19.2		17.4	16.4		160
165	28.5	28.4	25.7	28.5	27.5	22	28.6	26.8	19.7	26.2	23.3		22.7	21.7		19.8	19		17.1	16.2		165
170	27.2	27.5	24.7	27.4	26.6	21.2	27.6	25.8	18.9	26	22.4	14.8	22.5	20.9		19.5	18.7		16.9	16		170
175		26.6	23.7		25.8	20.4	26.6	25	18.2	25.8	21.6	14.2	22.3	20.2		19.3	18		16.6	15.5		175
180		25.7	22.8		24.9	19.7		24.1	17.5		20.9	13.7		19.4	11.7	19.1	17.3		16.3	15		180
185		24.7	21.9		24.1	19		23.3	16.8		20.2	13.1		18.8	11.2		16.7			14.4		185
190		23.4	21		23.3	18.3		22.5	16.2		19.5	12.6		18.1	10.8		16.1			13.9		190
195			20.2			17.6		21.6	15.7		18.8	12.1		17.5	10.3		15.5	6		13.4	5.6	195
200			19.5			16.9			15.1		18.2	11.6		16.9	9.9		15	6		12.9	5.3	200
205						16.2			14.6			11.2			9.5		14.5	6		12.4	5	205
210									14.1			10.7			9.1			6		11.9	4.7	210
215									13.6			10.3			8.7			5.9		11.5	4.4	215
220												9.9			8.3			5.8			4.1	220
225															8			5.6			3.9	225
230																		5.2			3.6	230
235																		4.9			3.4	235
240																					3.1	240

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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Lifting capacities

TYVEN

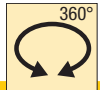
		 115 – 215 ft T			 Y			 11.5 ft V			 E			 177 ft N			 29.2x27.9 ft			 360°			 308600 lbs			 85%				
 ft		115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft							
		177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft										
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°								
90		28.5			27.2																			90						
95		28.9			27.5			23.9																95						
100		29.3			27.7			24.6			22.2			16.5										100						
105		29.5			27.8			25			22.7			19			17							105						
110		29.4			27.8			25.3			22.9			19.4			17.3							110						
115		29.3	27.9		27.8			25.5			23.1			19.8			17.6			15.4				115						
120		29.1	27.9		27.8			25.5			23.1			20			17.7			15.5				120						
125		28.8	27.8		27.7	27		25.4			23.1			20.1			17.7			15.5				125						
130		28.6	27.7		27.6	26.9		25.4	25.1		23			20.1			17.6			15.4				130						
135		28.4	27.6		27.5	26.8		25.3	25		22.9	22.2		20.1			17.5			15.3				135						
140		28.2	27.6		27.4	26.8		25.2	24.8		22.8	22.1		19.9			17.4			15.2				140						
145		28	27.6		27.3	26.7		25.1	24.7		22.7	21.9		19.8			17.3			15.1				145						
150		27.9	27.5		27.1	26		24.9	24.5		22.5	21.8		19.7	18.8		17.1	16.1		14.9				150						
155		27.7	27.3	25.4	26.7	25.2		24.7	24.3		22.3	21.6		19.5	18.6		17	15.9		14.7				155						
160		27.6	27.1	25.4	26.1	24.5	21.7	24.6	24.2		22.1	21.5		19.3	18.5		16.8	15.8		14.5	13.2			160						
165		27.4	26.8	25.1	25.2	23.7	21.4	24.4	24		21.9	21.3		19.1	18.3		16.5	15.6		14.2	13.1			165						
170		26.6	25.9	24.4	24.3	22.9	20.8	24.2	23.9	22.2	21.7	21.1		18.9	18.2		16.3	15.5		14	13			170						
175		25.7	25.1	23.8	23.5	22.2	20.2	24	23.6	21.7	21.4	21		18.7	18		16.1	15.3		13.8	12.8			175						
180		24.8	24.4	23.2	22.7	21.5	19.7	23.8	23.1	21.1	21.2	20.8	19.2	18.4	17.8		15.9	15.2		13.5	12.7			180						
185		23.9	23.6	22.6	21.9	20.9	19.2	23.6	22.4	20.5	21	20.6	18.7	18.2	17.7		15.7	15		13.3	12.5			185						
190		22.9	22.9	21.9	21.1	20.2	18.6	23	21.8	20	20.9	20.5	18.2	18	17.5	16.1	15.4	14.8		13.1	12.3			190						
195			22.1	21.3		19.5	18.1	22.2	21.1	19.4	20.8	19.9	17.7	17.9	17.3	15.8	15.3	14.7		12.9	12.1			195						
200			21.4	20.7		18.9	17.6		20.5	18.9		19.3	17.2		17.2	15.5	15.1	14.5	4	12.6	11.8			200						
205			20.6	20.1		18.3	17.1		19.9	18.4		18.7	16.8		17	15.3		14.3	4.2		11.5			205						
210				19.6			16.5		19.3	17.9		18.1	16.3		16.9	14.9		14.2	4.3		11.2	4.5		210						
215				19			16		18.7	17.4		17.6	15.8		16.7	14.4		14	4.4		10.8	4.7		215						
220				18.4			15.6			16.9		17	15.4		16.2	13.9		13.8	4.4		10.5	4.8		220						
225						15.1				16.5			14.9			13.4		13.1	4.4		10.2	4.9		225						
230										16			14.5			12.9			4.4		9.8	4.9		230						
235										15.5			14.1			12.4			4.4		9.5	4.8		235						
240													13.6			11.9			4.2			4.8		240						
245																11.5			4			4.7		245						
250																			3.7			4.6		250						
255																			3.4			4.4		255						
260																						4.1		260						

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64801_00_000

Lifting capacities

TYVEN

		 115 – 215 ft						 11.5 ft						 177 ft			 29.2x27.9 ft			 360°			 220500 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft								
	177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft											
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°									
90	28.5			27.2																		90								
95	28.9			27.5			23.9															95								
100	29.3			27.7			24.6			22.2			16.5									100								
105	29.5			27.8			25			22.7			19			17						105								
110	29.4			27.8			25.3			22.9			19.4			17.3						110								
115	29.3	27.9		27.8			25.5			23.1			19.8			17.6			15.4			115								
120	29.1	27.9		27.8			25.5			23.1			20			17.7			15.5			120								
125	28.8	27.8		27.7	27		25.4			23.1			20.1			17.7			15.5			125								
130	28.6	27.7		27.6	26.9		25.4	25.1		23			20.1			17.6			15.4			130								
135	28.4	27.6		27.5	26.8		25.3	25		22.9	22.2		20.1			17.5			15.3			135								
140	28.2	27.6		27.4	26.8		25.2	24.8		22.8	22.1		19.9			17.4			15.2			140								
145	28	27.6		27.3	26.7		25.1	24.7		22.7	21.9		19.8			17.3			15.1			145								
150	27.9	27.5		27.1	26		24.9	24.5		22.5	21.8		19.7	18.8		17.1	16.1		14.9			150								
155	27.7	27.3	25.4	26.7	25.2		24.7	24.3		22.3	21.6		19.5	18.6		17	15.9		14.7			155								
160	27.6	27.1	25.2	26.1	24.5	21.7	24.6	24.2		22.1	21.5		19.3	18.5		16.8	15.8		14.5	13.2		160								
165	27.4	26.8	24.7	25.2	23.7	21.3	24.4	24		21.9	21.3		19.1	18.3		16.5	15.6		14.2	13.1		165								
170	26.6	25.9	23.7	24.3	22.9	20.5	24.2	23.9	17.9	21.7	21.1		18.9	18.2		16.3	15.5		14	13		170								
175	25.7	25.1	22.8	23.5	22.2	19.8	24	23.6	17.3	21.4	20.9		18.7	18		16.1	15.3		13.8	12.8		175								
180	24.8	24.4	21.8	22.7	21.5	19	23.8	23.1	16.6	21.2	20.4	13.1	18.4	17.8		15.9	15.2		13.5	12.7		180								
185	23.9	23.6	21	21.9	20.9	18.3	23.6	22.4	15.9	21	19.6	12.6	18.2	17.4		15.7	15		13.3	12.5		185								
190	22.9	22.9	20.1	21.1	20.2	17.7	23	21.7	15.3	20.9	18.9	12	18	16.8	9.3	15.4	14.7		13.1	12.3		190								
195		22.1	19.3		19.5	17	22.2	21	14.8	20.8	18.3	11.5	17.9	16.2	8.9	15.3	14.2		12.9	12		195								
200		21.4	18.6		18.9	16.4		20.3	14.2		17.7	11.1		15.6	8.5	15.1	13.7	4	12.6	11.5		200								
205		20.6	17.9		18.3	15.9		19.6	13.7		17.1	10.6		15.1	8.1		13.2	4.2		11.1	3.4	205								
210			17.2			15.3		18.9	13.2		16.5	10.2		14.5	7.7		12.7	4.3		10.6	3.3	210								
215			16.5			14.7		18.2	12.7		16	9.8		14	7.4		12.2	4.4		10.2	3	215								
220			15.9			14.1			12.3		15.5	9.4		13.5	7		11.8	4.4		9.8	2.7	220								
225						13.5			11.8			9			6.7		11.4	4.4		9.4		225								
230									11.4			8.6			6.4			4.4		9		230								
235									11			8.3			6.1			4.3		8.7		235								
240												7.9			5.8			4				240								
245															5.5			3.8				245								
250																		3.5				250								
255																		3.3				255								

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64805_00_000

Lifting capacities

TYVEN

		 115 – 215 ft			 11.5 ft			 197 ft			 29.2x27.9 ft			 360°			 308600 lbs			 85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
95	22			20.8																		95
100	22.3			21.1			19			16.3												100
105	22.5			21.4			19.3			17.1			13.9									105
110	22.8			21.6			19.6			17.4			14.4									110
115	23			21.7			19.8			17.6			14.7			11.3						115
120	23.2			21.8			19.9			17.8			15			12.6						120
125	23.3			21.9			19.9			18			15.2			12.9						125
130	23.1			21.9			19.9			18			15.3			13.1			10.6			130
135	23	22.2		21.9	21.6		19.9			17.9			15.3			13.3			11.4			135
140	22.8	22.1		21.9	21.6		19.8	20		17.9			15.3			13.3			11.4			140
145	22.6	22.1		21.8	21.5		19.8	19.9		17.8			15.2			13.3			11.4			145
150	22.4	22		21.8	21.4		19.7	19.8		17.8	17.5		15.1	14.8		13.3			11.4			150
155	22.3	21.9		21.7	21.4		19.6	19.6		17.7	17.4		15.1	14.7		13.2			11.3			155
160	22.1	21.9		21.7	21.3		19.6	19.5		17.6	17.2		15	14.6		13.1	12.3		11.2			160
165	22	21.7	20.3	21.6	21.2		19.5	19.4		17.5	17.1		14.9	14.5		13.1	12.2		11.1			165
170	21.9	21.6	20.3	21.6	21.2		19.4	19.2		17.4	17		14.8	14.3		13	12.1		11	9.9		170
175	21.8	21.5	20.3	21.5	20.7	18.5	19.3	19.1		17.3	16.8		14.7	14.2		12.8	12		10.8	9.8		175
180	21.7	21.4	20.3	21.3	20.2	18	19.2	19	17.9	17.1	16.7		14.6	14.1		12.7	11.9		10.7	9.7		180
185	21.6	21.4	20.3	21	19.6	17.5	19	18.8	17.7	17	16.6		14.4	13.9		12.5	11.7		10.5	9.5		185
190	21.6	21.3	20.1	20.3	19	17.1	18.9	18.7	17.2	16.9	16.4	15.4	14.3	13.8		12.3	11.6		10.3	9.4		190
195	21.3	20.8	19.6	19.6	18.4	16.6	18.6	18.6	16.7	16.7	16.3	15.2	14.2	13.7		12.2	11.5		10.1	9.3		195
200	20.7	20.2	19.1	18.9	17.8	16.1	18.3	18.1	16.3	16.6	16.2	14.9	14	13.5	4.2	12	11.3		9.9	9.1		200
205	20	19.6	18.6	18.3	17.2	15.6	17.9	17.6	15.8	16.4	16.1	14.4	13.9	13.4	4.5	11.9	11.2		9.8	9		205
210		19	18.1		16.7	15.2	17.5	17.1	15.4	16.2	15.9	14	13.8	13.3	4.8	11.7	11.1		9.6	8.8		210
215		18.4	17.6		16.2	14.8	17	16.5	14.9	15.8	15.6	13.6	13.6	13.1	4.9	11.6	10.9		9.4	8.7		215
220		17.8	17.1		15.6	14.3		16	14.5		15.2	13.2		13	5	11.4	10.8		9.3	8.6		220
225		17.1	16.7		15.1	13.9		15.6	14.1		14.7	12.8		12.9	5		10.7			8.4		225
230			16.2			13.5		15	13.7		14.2	12.5		12.8	5.1		10.6	2.7		8.3	3	230
235			15.7			13.1		14.5	13.3		13.7	12.1		12.7	5.1		10.4	2.7		8.1	3.1	235
240			15.2			12.6			12.9		13.2	11.7		11.8	5		10.3	2.7		8	3.1	240
245						12.2			12.5			11.3			4.8		10	2.8		7.8	3.2	245
250									12.1			11			4.5			2.7		7.6	3.2	250
255									11.8			10.6			4.2			2.7		7.4	3.2	255
260												10.3			3.8						3.1	260
265															3.3						3	265
270																					2.9	270
275																					2.7	275

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64901_00_000

Lifting capacities

TYVEN

		 115 – 215 ft			 11.5 ft			 197 ft			 29.2x27.9 ft			 360°			 220500 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft		
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°				
95	22			20.8																	95			
100	22.3			21.1			19			16.3											100			
105	22.5			21.4			19.3			17.1			13.9								105			
110	22.8			21.6			19.6			17.4			14.4								110			
115	23			21.7			19.8			17.6			14.7			11.3					115			
120	23.2			21.8			19.9			17.8			15			12.6					120			
125	23.3			21.9			19.9			18			15.2			12.9					125			
130	23.1			21.9			19.9			18			15.3			13.1			10.6		130			
135	23	22.2		21.9	21.6		19.9			17.9			15.3			13.3			11.4		135			
140	22.8	22.1		21.9	21.6		19.8	20		17.9			15.3			13.3			11.4		140			
145	22.6	22.1		21.8	21.5		19.8	19.9		17.8			15.2			13.3			11.4		145			
150	22.4	22		21.8	21.4		19.7	19.8		17.8	17.5		15.1	14.8		13.3			11.4		150			
155	22.3	21.9		21.7	21.4		19.6	19.6		17.7	17.4		15.1	14.7		13.2			11.3		155			
160	22.1	21.9		21.7	21.3		19.6	19.5		17.6	17.2		15	14.6		13.1	12.3		11.2		160			
165	22	21.7	20.3	21.6	21.2		19.5	19.4		17.5	17.1		14.9	14.5		13.1	12.2		11.1		165			
170	21.9	21.6	20.3	21.6	21.2		19.4	19.2		17.4	17		14.8	14.3		13	12.1		11	9.9	170			
175	21.8	21.5	20.3	21.5	20.7	18.4	19.3	19.1		17.3	16.8		14.7	14.2		12.8	12		10.8	9.8	175			
180	21.7	21.4	20.3	21.3	20.2	17.8	19.2	19	15.6	17.1	16.7		14.6	14.1		12.7	11.9		10.7	9.7	180			
185	21.6	21.4	20.2	21	19.6	17.1	19	18.8	15	17	16.6		14.4	13.9		12.5	11.7		10.5	9.5	185			
190	21.6	21.3	19.7	20.3	19	16.4	18.9	18.7	14.4	16.9	16.4	11.1	14.3	13.8		12.3	11.6		10.3	9.4	190			
195	21.3	20.8	18.9	19.6	18.4	15.8	18.6	18.6	13.8	16.7	16.3	10.6	14.2	13.7		12.2	11.5		10.1	9.3	195			
200	20.7	20.2	18.2	18.9	17.8	15.2	18.3	18.1	13.3	16.6	16.2	10.1	14	13.5	4.2	12	11.3		9.9	9.1	200			
205	20	19.6	17.5	18.3	17.2	14.7	17.9	17.6	12.8	16.4	16	9.7	13.9	13.4	4.5	11.9	11.2		9.8	9	205			
210		19	16.8		16.7	14.1	17.5	17.1	12.3	16.2	15.7	9.3	13.8	13.3	4.8	11.7	11.1		9.6	8.8	210			
215		18.4	16.1		16.2	13.6	17	16.5	11.8	15.8	15.1	8.9	13.6	13.1	4.9	11.6	10.9		9.4	8.7	215			
220		17.8	15.5		15.6	13.1	16	11.3			14.6	8.5		12.9	5	11.4	10.6		9.3	8.5	220			
225		17.1	14.9		15.1	12.7		15.6	10.9		14.1	8.1		12.6	5		10.2			8.3	225			
230			14.3			12.2		15	10.5		13.6	7.7		12.1	5.1		9.8	2.7		7.9	230			
235			13.8			11.8		14.5	10.1		13.2	7.4		11.7	5.1		9.4	2.7		7.6	235			
240			13.3			11.3			9.7		12.8	7.1		11.3	5		9.1	2.7		7.2	240			
245						10.8			9.4			6.7			4.8		8.7			6.9	245			
250									9			6.4			4.5					6.6	250			
255									8.7			6.1			4.2					6.3	255			
260												5.8			3.8						260			
265															3.3						265			

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_64905_00_000



	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*		
	217 ft			217 ft			217 ft			217 ft			217 ft			217 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
95	18.3																	95
100	18.4			16			15											100
105	18.5			16.3			15.3			13								105
110	18.6			16.5			15.4			13.3								110
115	18.7			16.8			15.6			13.6			9.2			7.8		115
120	18.8			16.9			15.7			13.7			10.1			8.8		120
125	18.8			17.1			15.8			13.9			11			9.1		125
130	18.8			17.2			15.8			14			11.2			9.3		130
135	18.8			17.3			15.7			14			11.4			9.5		135
140	18.7	17.7		17.3			15.7			14			11.5			9.7		140
145	18.5	17.8		17.3	17.1		15.7	15.9		13.9			11.6			9.8		145
150	18.4	17.8		17.3	17.2		15.6	15.9		13.9			11.7			9.8		150
155	18.2	17.8		17.3	17.2		15.5	15.9		13.8	13.9		11.7			9.7		155
160	18.1	17.7		17.3	17.2		15.5	15.8		13.8	13.8		11.6	11.6		9.7		160
165	18	17.7		17.3	17.2		15.4	15.7		13.7	13.7		11.6	11.4		9.6		165
170	17.9	17.6		17.2	17.1		15.3	15.6		13.6	13.6		11.5	11.3		9.6		170
175	17.7	17.5		17.2	17.1		15.3	15.4		13.6	13.5		11.5	11.2		9.5	8.3	175
180	17.6	17.4	16.2	17.1	17		15.2	15.3		13.5	13.4		11.4	11.1		9.5	8.4	180
185	17.6	17.3	16.2	17	17	15.3	15.1	15.2		13.4	13.3		11.4	11		9.4	8.4	185
190	17.5	17.1	16.2	16.8	16.9	15.5	14.9	15.1	14.1	13.3	13.2		11.3	10.9		9.3	8.4	190
195	17.4	17.1	15.9	16.7	16.8	15	14.7	15	14.1	13.2	13.1		11.2	10.8		9.2	8.4	195
200	17.3	16.8	15.5	16.5	16.5	14.6	14.5	14.9	13.8	13.1	12.9		11.1	10.7		9.1	8.3	200
205	17.1	16.4	15.1	16.3	16.1	14.2	14.3	14.8	13.4	13	12.8	10.6	11	10.6		9	8.1	205
210	16.6	15.9	14.7	16.1	15.5	13.8	14.1	14.7	13	12.9	12.7	10.7	10.9	10.5		8.9	8	210
215	16	15.4	14.2	15.9	15.1	13.4	13.8	14.4	12.6	12.7	12.6	10.8	10.8	10.4		8.8	7.9	215
220	15.4	14.9	13.8	15.6	14.6	13	13.5	13.9	12.2	12.4	12.5	10.8	10.7	10.3		8.7	7.7	220
225	14.8	14.4	13.5	15.2	14.1	12.7	13.1	13.5	11.9	12.1	12.5	10.7	10.5	10.2	3.2	8.6	7.4	225
230		13.9	13.1		13.7	12.3	12.8	13	11.5	11.7	12.3	10.5	10.2	10.1	3.3	8.5	7.1	230
235		13.4	12.7		13.2	11.9	12.4	12.6	11.1	11.3	12	10.1	9.8	10	3.4	8.1	6.8	235
240		12.9	12.3		12.7	11.5		12.2	10.7		11.6	9.8		9.9	3.4	7.7	6.3	240
245			11.9		12.3	11.1		11.8	10.4		11.2	9.5		9.8	3.5		5.8	245
250			11.5			10.8		11.4	10.1		10.8	9.1		9.8	3.5		5.3	250
255			11.1			10.4		10.8	9.8		10.5	8.8		9.7	3.4		4.8	255
260			10.7			10.1			9.4		10	8.5		9.2	3.3		4.2	260
265						9.7			9.1			8.2			3.1		3.5	265
270									8.7			7.8						270
275									8.2			7.1						275
280												6.2						280

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_65001_00_000

Lifting capacities

TYVEN

 115 – 198 ft T  11.5 ft Y  217 ft V  29.2 x 27.9 ft E  360° N  220500 lbs  85%																																					
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*		 ft																			
	217 ft			217 ft			217 ft			217 ft			217 ft			217 ft																					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°																				
95	18.3																	95																			
100	18.4			16			15											100																			
105	18.5			16.3			15.3			13								105																			
110	18.6			16.5			15.4			13.3								110																			
115	18.7			16.8			15.6			13.6			9.2			7.8		115																			
120	18.8			16.9			15.7			13.7			10.1			8.8		120																			
125	18.8			17.1			15.8			13.9			11			9.1		125																			
130	18.8			17.2			15.8			14			11.2			9.3		130																			
135	18.8			17.3			15.7			14			11.4			9.5		135																			
140	18.7	17.7		17.3			15.7			14			11.5			9.7		140																			
145	18.5	17.8		17.3	17.1		15.7	15.9		13.9			11.6			9.8		145																			
150	18.4	17.8		17.3	17.2		15.6	15.9		13.9			11.7			9.8		150																			
155	18.2	17.8		17.3	17.2		15.5	15.9		13.8	13.9		11.7			9.7		155																			
160	18.1	17.7		17.3	17.2		15.5	15.8		13.8	13.8		11.6	11.6		9.7		160																			
165	18	17.7		17.3	17.2		15.4	15.7		13.7	13.7		11.6	11.4		9.6		165																			
170	17.9	17.6		17.2	17.1		15.3	15.6		13.6	13.6		11.5	11.3		9.6		170																			
175	17.7	17.5		17.2	17.1		15.3	15.4		13.6	13.5		11.5	11.2		9.5	8.3	175																			
180	17.6	17.4	16.2	17.1	17		15.2	15.3		13.5	13.4		11.4	11.1		9.5	8.4	180																			
185	17.6	17.3	16.2	17	17	15.3	15.1	15.2		13.4	13.3		11.4	11		9.4	8.4	185																			
190	17.5	17.1	16.2	16.8	16.9	15.2	14.9	15.1	13.5	13.3	13.2		11.3	10.9		9.3	8.4	190																			
195	17.4	17.1	15.9	16.7	16.8	14.7	14.7	15	12.9	13.2	13.1		11.2	10.8		9.2	8.4	195																			
200	17.3	16.8	15.5	16.5	16.5	14.1	14.5	14.9	12.4	13.1	12.9	9.3	11.1	10.7		9.1	8.3	200																			
205	17.1	16.4	15.1	16.3	16.1	13.6	14.3	14.8	11.9	13	12.8	8.9	11	10.6		9	8.1	205																			
210	16.6	15.9	14.7	16.1	15.5	13	14.1	14.7	11.4	12.9	12.7	8.5	10.9	10.5		8.9	8	210																			
215	16	15.4	14.2	15.9	15.1	12.5	13.8	14.4	10.9	12.7	12.6	8.1	10.8	10.4		8.8	7.9	215																			
220	15.4	14.9	13.8	15.6	14.6	12	13.5	13.9	10.5	12.4	12.5	7.7	10.7	10.3		8.7	7.7	220																			
225	14.8	14.4	13.5	15.2	14.1	11.6	13.1	13.5	10.1	12.1	12.5	7.3	10.5	10.2	3.2	8.6	7.4	225																			
230		13.9	13.1		13.7	11.2	12.8	13	9.6	11.7	12.3	6.9	10.2	10.1	3.3	8.5	7.1	230																			
235		13.4	12.7		13.2	10.7	12.4	12.6	9.2	11.3	12	6.6	9.8	10	3.4	8.1	6.8	235																			
240		12.9	12.3		12.7	10.3		12.2	8.9		11.6	6.3		9.9	3.4	7.7	6.3	240																			
245			11.9		12.3	9.9		11.8	8.5		11.2	6		9.8	3.5		5.8	245																			
250			11.5			9.5		11.4	8.2		10.8	5.7		9.5	3.5		5.3	250																			
255			11.1			9.2		10.8	7.8		10.5	5.4		9.1	3.4		4.8	255																			
260			10.7			8.8			7.5		10	5.1		8.8	3.2		4.2	260																			
265						8.5			7.2			4.8			2.9		3.5	265																			
270									6.9			4.5						270																			
275									6.6			4.3						275																			
280												4						280																			

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_65005_00_000

115 – 198 ft T Y 11.5 ft V E 236 ft N 29.2 x 27.9 ft 360° 308600 lbs 85%																	
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		198 + 23 ft*		ft
	236 ft			236 ft			236 ft			236 ft			236 ft		236 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	
100	14.3																100
105	14.3			12.3			11.3										105
110	14.4			12.4			11.6										110
115	14.5			12.6			11.8			9.7			6.7				115
120	14.6			12.8			12			10.1			7.3				120
125	14.6			13			12.1			10.3			7.7		4.9		125
130	14.7			13.1			12.2			10.5			8.2		5.7		130
135	14.6			13.2			12.2			10.7			8.4		6.3		135
140	14.5			13.3			12.3			10.7			8.5		6.7		140
145	14.5	13.2		13.4			12.3			10.8			8.7		6.9		145
150	14.4	13.4		13.4			12.3			10.8			8.7		7		150
155	14.3	13.5		13.4	12.8		12.2			10.8			8.8		7.1		155
160	14.3	13.6		13.4	13		12.2	12.2		10.8			8.8		7.2		160
165	14.2	13.7		13.5	13.1		12.1	12.4		10.7	10.9		8.8		7.2		165
170	14.1	13.8		13.5	13.2		12.1	12.4		10.7	10.8		8.7	8.9	7.2		170
175	14	13.7		13.4	13.3		12	12.3		10.6	10.7		8.7	8.8	7.1		175
180	13.9	13.7		13.4	13.3		11.9	12.3		10.6	10.7		8.7	8.7	7.1	6.2	180
185	13.8	13.6	11.7	13.3	13.3		11.8	12.2		10.5	10.6		8.6	8.6	7.1	6.3	185
190	13.7	13.5	11.9	13.2	13.2		11.7	12.1		10.5	10.5		8.6	8.5	7	6.3	190
195	13.6	13.5	12.1	13	13.2		11.6	12		10.4	10.4		8.5	8.4	7	6.4	195
200	13.5	13.4	12.3	12.9	13.1	11.4	11.5	11.9		10.4	10.3		8.5	8.3	6.9	6.4	200
205	13.4	13.3	12.4	12.8	13	11.6	11.3	11.8	10.6	10.3	10.2		8.4	8.2	6.9	6.4	205
210	13.3	13.3	12.5	12.7	13	11.8	11.2	11.8	10.7	10.1	10.1	7.9	8.4	8.1	6.8	6.4	210
215	13.2	13.2	12.5	12.5	12.9	11.9	11	11.7	10.8	10	10	8	8.3	8.1	6.7	6.3	215
220	13	13.2	12.4	12.4	12.9	11.7	10.8	11.6	10.7	9.8	9.9	8.2	8.2	8	6.6	6.2	220
225	12.9	13.1	12.2	12.2	12.8	11.3	10.6	11.5	10.6	9.7	9.8	8.3	8.1	7.9	6.6	6.1	225
230	12.8	13	11.8	12.1	12.7	11	10.4	11.5	10.2	9.5	9.8	8.4	8.1	7.8	6.5	6	230
235	12.7	12.5	11.4	11.9	12.3	10.7	10.1	11.4	9.9	9.3	9.7	8.4	7.8	7.7	6.4	5.8	235
240	12.5	12.1	11.1	11.8	11.9	10.3	9.9	11.2	9.6	9	9.6	8.3	7.6	7.6	6.2	5.6	240
245	12.1	11.7	10.8	11.6	11.4	10	9.6	10.8	9.3	8.7	9.6	8.1	7.3	7.6	6	5.4	245
250		11.3	10.5		11	9.7	9.4	10.5	9	8.5	9.5	7.9	7	7.5	5.7	5.2	250
255		10.9	10.1		10.6	9.4	9	10.1	8.6	8.2	9.5	7.7	6.7	7.4	5.4	4.8	255
260		10.4	9.8		10.3	9.1		9.7	8.3		9.2	7.5		7.4	5	4.4	260
265			9.4		9.8	8.8		9.4	8.1		8.9	7.2		7		3.9	265
270			9.1			8.5		9	7.8		8.5	7		6.3		3.5	270
275			8.8			8.1		8.5	7.6		8.2	6.8		5.4		3.1	275
280			8.4			7.9			7.3		7.8	6.6		4.5			280
285						7.6			7.1			6.3					285
290									6.8			6					290
295									6.4			5.6					295
300												4.7					300

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_65101_00_000

115 – 182 ft Y V E N 29.2x27.9 ft 360° 220500 lbs 85%																	
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		198 + 23 ft*		 ft
	236 ft			236 ft			236 ft			236 ft			236 ft		236 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	
100	14.3																100
105	14.3			12.3			11.3										105
110	14.4			12.4			11.6										110
115	14.5			12.6			11.8			9.7			6.7				115
120	14.6			12.8			12			10.1			7.3				120
125	14.6			13			12.1			10.3			7.7		4.9		125
130	14.7			13.1			12.2			10.5			8.2		5.7		130
135	14.6			13.2			12.2			10.7			8.4		6.3		135
140	14.5			13.3			12.3			10.7			8.5		6.7		140
145	14.5	13.2		13.4			12.3			10.8			8.7		6.9		145
150	14.4	13.4		13.4			12.3			10.8			8.7		7		150
155	14.3	13.5		13.4	12.8		12.2			10.8			8.8		7.1		155
160	14.3	13.6		13.4	13		12.2	12.2		10.8			8.8		7.2		160
165	14.2	13.7		13.5	13.1		12.1	12.4		10.7	10.9		8.8		7.2		165
170	14.1	13.8		13.5	13.2		12.1	12.4		10.7	10.8		8.7	8.9	7.2		170
175	14	13.7		13.4	13.3		12	12.3		10.6	10.7		8.7	8.8	7.1		175
180	13.9	13.7		13.4	13.3		11.9	12.3		10.6	10.7		8.7	8.7	7.1	6.2	180
185	13.8	13.6	11.7	13.3	13.3		11.8	12.2		10.5	10.6		8.6	8.6	7.1	6.3	185
190	13.7	13.5	11.9	13.2	13.2		11.7	12.1		10.5	10.5		8.6	8.5	7	6.3	190
195	13.6	13.5	12.1	13	13.2		11.6	12		10.4	10.4		8.5	8.4	7	6.4	195
200	13.5	13.4	12.3	12.9	13.1	11.4	11.5	11.9		10.4	10.3		8.5	8.3	6.9	6.4	200
205	13.4	13.3	12.4	12.8	13	11.6	11.3	11.8	10.6	10.3	10.2	7.5	8.4	8.2	6.9	6.4	205
210	13.3	13.3	12.5	12.7	13	11.8	11.2	11.8	10.4	10.1	10.1	7.4	8.4	8.1	6.8	6.4	210
215	13.2	13.2	12.5	12.5	12.9	11.5	11	11.7	9.9	10	10	7	8.3	8.1	6.7	6.3	215
220	13	13.2	12.4	12.4	12.9	11	10.8	11.6	9.5	9.8	9.9	6.6	8.2	8	6.6	6.2	220
225	12.9	13.1	12.2	12.2	12.8	10.6	10.6	11.5	9	9.7	9.8	6.3	8.1	7.9	6.6	6.1	225
230	12.8	13	11.8	12.1	12.7	10.2	10.4	11.5	8.6	9.5	9.8	5.9	8.1	7.8	6.5	6	230
235	12.7	12.5	11.4	11.9	12.3	9.7	10.1	11.4	8.3	9.3	9.7	5.6	7.8	7.7	6.4	5.8	235
240	12.5	12.1	11.1	11.8	11.9	9.3	9.9	11.2	7.9	9	9.6	5.3	7.6	7.6	6.2	5.6	240
245	12.1	11.7	10.8	11.6	11.4	9	9.6	10.8	7.5	8.7	9.6	5	7.3	7.6	6	5.4	245
250		11.3	10.5		11	8.6	9.4	10.5	7.2	8.5	9.5	4.7	7	7.5	5.7	5.2	250
255		10.9	10.1		10.6	8.2	9	10.1	6.9	8.2	9.5	4.4	6.7	7.4	5.4	4.8	255
260		10.4	9.8		10.3	7.9		9.7	6.5		9.2	4.1		7.4	5	4.4	260
265			9.4		9.8	7.6		9.4	6.2		8.9	3.8		7		3.9	265
270			9.1			7.3		9	5.9		8.5	3.6		6.3		3.5	270
275			8.8			7		8.5	5.7		8.2	3.3		5.4		3.1	275
280			8.4			6.7			5.4		7.8	3.1		4.5			280
285						6.4			5.1			2.9					285
290									4.9								290
295									4.6								295

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_65105_00_000



 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		 ft
	256 ft			256 ft			256 ft			256 ft			256 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
105	10.7														105
110	10.7														110
115	10.8			10			8.1								115
120	10.9			10.1			8.4			6.4					120
125	10.9			10.1			8.5			6.7			3		125
130	10.9			10.2			8.7			6.9			3.4		130
135	10.8			10.2			8.8			7.2			3.8		135
140	10.7			10.2			8.9			7.4			4.3		140
145	10.7			10.2			8.9			7.5			4.7		145
150	10.6			10.2			9			7.6			5.2		150
155	10.6	10		10.1			9			7.6			5.5		155
160	10.5	10.1		10.1	9.5		9			7.7			5.7		160
165	10.4	10.3		10	9.7		9	8.9		7.7			5.8		165
170	10.4	10.3		9.9	9.8		8.9	9.1		7.7			5.9		170
175	10.3	10.4		9.8	10		8.8	9.2		7.7	8		5.9	6.3	175
180	10.3	10.5		9.8	10.1		8.7	9.2		7.7	7.9		5.9	6.3	180
185	10.2	10.5		9.7	10.1		8.6	9.2		7.6	7.9		5.9	6.2	185
190	10.1	10.5		9.6	10.2		8.6	9.2		7.6	7.8		5.9	6.1	190
195	10	10.5		9.5	10.2		8.4	9.1		7.6	7.7		5.9	6.1	195
200	9.9	10.4	8.7	9.4	10.2		8.3	9.1		7.5	7.6		5.9	6	200
205	9.9	10.4	8.9	9.3	10.1		8.2	9		7.4	7.6		5.9	5.9	205
210	9.8	10.3	9	9.2	10.1		8.1	8.9	7.6	7.3	7.5		5.9	5.8	210
215	9.7	10.2	9.2	9.1	10		7.9	8.8	7.7	7.2	7.4		5.9	5.8	215
220	9.6	10.2	9.2	9	9.9		7.8	8.8	7.9	7	7.3		5.8	5.7	220
225	9.5	10.1	9.3	8.9	9.9		7.6	8.7	8	6.9	7.3	5.6	5.7	5.6	225
230	9.4	10	9.4	8.7	9.8		7.5	8.6	8	6.7	7.2	5.8	5.5	5.6	230
235	9.3	9.8	9.4	8.6	9.6		7.3	8.6	8	6.5	7.1	5.9	5.4	5.5	235
240	9.2	9.8	9.4	8.5	9.3		7.1	8.5	8	6.4	7	6	5.2	5.4	240
245	9.1	9.8	9.4	8.4	8.9	7.4	6.9	8.5	7.9	6.2	7	6.1	5	5.4	245
250	9	9.8	9.1	8.3	8.6	7.2	6.7	8.4	7.7	6	6.9	6.1	4.8	5.3	250
255	8.9	9.8	8.8	8.1	8.3	7	6.5	8.4	7.4	5.8	6.9	6.1	4.6	5.2	255
260	8.8	9.5	8.5	8	7.9	6.7	6.3	8.4	7.2	5.6	6.8	6	4.4	5.2	260
265	8.7	9.1	8.3	7.9	7.6	6.5	6.1	8.2	6.9	5.4	6.8	6	4.2	5.1	265
270		8.8	8		7.3	6.1		8	6.7	5.1	6.7	5.9	3.9	5.1	270
275		8.4	7.7		7	4.8		7.7	6.5	4.8	6.7	5.7	3.7	5	275
280		8	7.5		6.5	3.6		7.4	6.3		6.7	5.5		5	280
285			7.2		6.2			7.2	6.1		6.6	5.3		5	285
290			7					6.9	5.8		6.4	5.1		4.9	290
295			6.7					6.5	5.6		6.2	4.9		4.9	295
300			6.4						5.4		5.9	4.7		4.9	300
305									5.2			4.5			305
310									5						310

* adapter 11.5 ft + telescopic boom extension 11.5 ft

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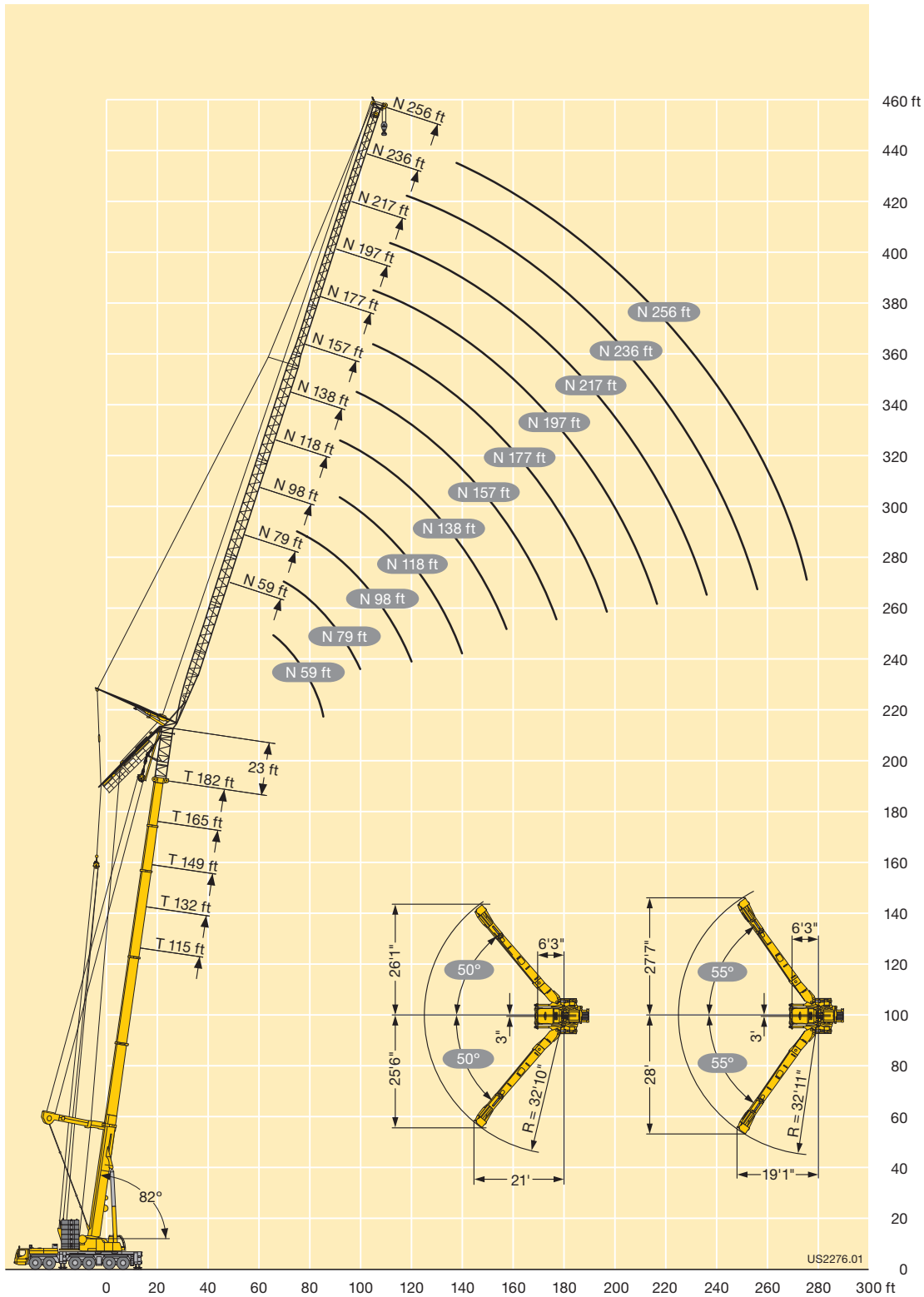
Lifting capacities

TYVEN

115 – 182 ft T Y 11.5 ft V E 256 ft N 29.2x27.9 ft 360° 220500 lbs 85%															
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		ft
	256 ft			256 ft			256 ft			256 ft			256 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
105	10.7														105
110	10.7														110
115	10.8			10			8.1								115
120	10.9			10.1			8.4			6.4					120
125	10.9			10.1			8.5			6.7			3		125
130	10.9			10.2			8.7			6.9			3.4		130
135	10.8			10.2			8.8			7.2			3.8		135
140	10.7			10.2			8.9			7.4			4.3		140
145	10.7			10.2			8.9			7.5			4.7		145
150	10.6			10.2			9			7.6			5.2		150
155	10.6	10		10.1			9			7.6			5.5		155
160	10.5	10.1		10.1	9.5		9			7.7			5.7		160
165	10.4	10.3		10	9.7		9	8.9		7.7			5.8		165
170	10.4	10.3		9.9	9.8		8.9	9.1		7.7			5.9		170
175	10.3	10.4		9.8	10		8.8	9.2		7.7	8		5.9	6.3	175
180	10.3	10.5		9.8	10.1		8.7	9.2		7.7	7.9		5.9	6.3	180
185	10.2	10.5		9.7	10.1		8.6	9.2		7.6	7.9		5.9	6.2	185
190	10.1	10.5		9.6	10.2		8.6	9.2		7.6	7.8		5.9	6.1	190
195	10	10.5		9.5	10.2		8.4	9.1		7.6	7.7		5.9	6.1	195
200	9.9	10.4	8.7	9.4	10.2		8.3	9.1		7.5	7.6		5.9	6	200
205	9.9	10.4	8.9	9.3	10.1		8.2	9		7.4	7.6		5.9	5.9	205
210	9.8	10.3	9	9.2	10.1		8.1	8.9	7.6	7.3	7.5		5.9	5.8	210
215	9.7	10.2	9.2	9.1	10		7.9	8.8	7.7	7.2	7.4		5.9	5.8	215
220	9.6	10.2	9.2	9	9.9		7.8	8.8	7.9	7	7.3	5.2	5.8	5.7	220
225	9.5	10.1	9.3	8.9	9.9		7.6	8.7	7.8	6.9	7.3	5	5.7	5.6	225
230	9.4	10	9.4	8.7	9.8		7.5	8.6	7.4	6.7	7.2	4.7	5.5	5.6	230
235	9.3	9.8	9.4	8.6	9.6		7.3	8.6	7	6.5	7.1	4.4	5.4	5.5	235
240	9.2	9.8	9.4	8.5	9.3		7.1	8.5	6.7	6.4	7	4	5.2	5.4	240
245	9.1	9.8	9.4	8.4	8.9	7.4	6.9	8.5	6.3	6.2	7	3.7	5	5.4	245
250	9	9.8	9.1	8.3	8.6	7.2	6.7	8.4	6	6	6.9	3.5	4.8	5.3	250
255	8.9	9.8	8.8	8.1	8.3	7	6.5	8.4	5.7	5.8	6.9	3.2	4.6	5.2	255
260	8.8	9.5	8.5	8	7.9	6.7	6.3	8.4	5.4	5.6	6.8	2.9	4.4	5.2	260
265	8.7	9.1	8.3	7.9	7.6	6.5	6.1	8.2	5.1	5.4	6.8		4.2	5.1	265
270		8.8	8		7.3	6.1		8	4.8	5.1	6.7		3.9	5.1	270
275		8.4	7.7		7	4.8		7.7	4.5	4.8	6.7		3.7	5	275
280		8	7.5		6.5	3.6		7.4	4.2		6.7			5	280
285			7.2		6.2			7.2	4		6.6			5	285
290			7					6.9	3.7		6.4			4.9	290
295			6.7					6.5	3.5		6.1			4.7	295
300			6.4						3.2		5.8			4.4	300
305									3						305
310									2.8						310

* adapter 11.5 ft + telescopic boom extension 11.5 ft

t_180_65205_00_000



Angle of the Y-suspension between 50° and 55° depending on the extension condition of the individual telescopic sections.

Weights



Axle	1	2	3	4	5	6	Total weight lbs
lbs	26400	26400	26400	26400	26400	26400	158400



Load kips	No. of sheaves	No. of lines	Weight lbs
463	12	24 (20)	7500
343.3	7	14	4850
275.6	5	11	3630
176.4	3	7	3200 / 6615*
79.8	1	3	2200
27.1	–	1	1320

* only necessary for operation with 39 ft luffing fly jib

Working speeds

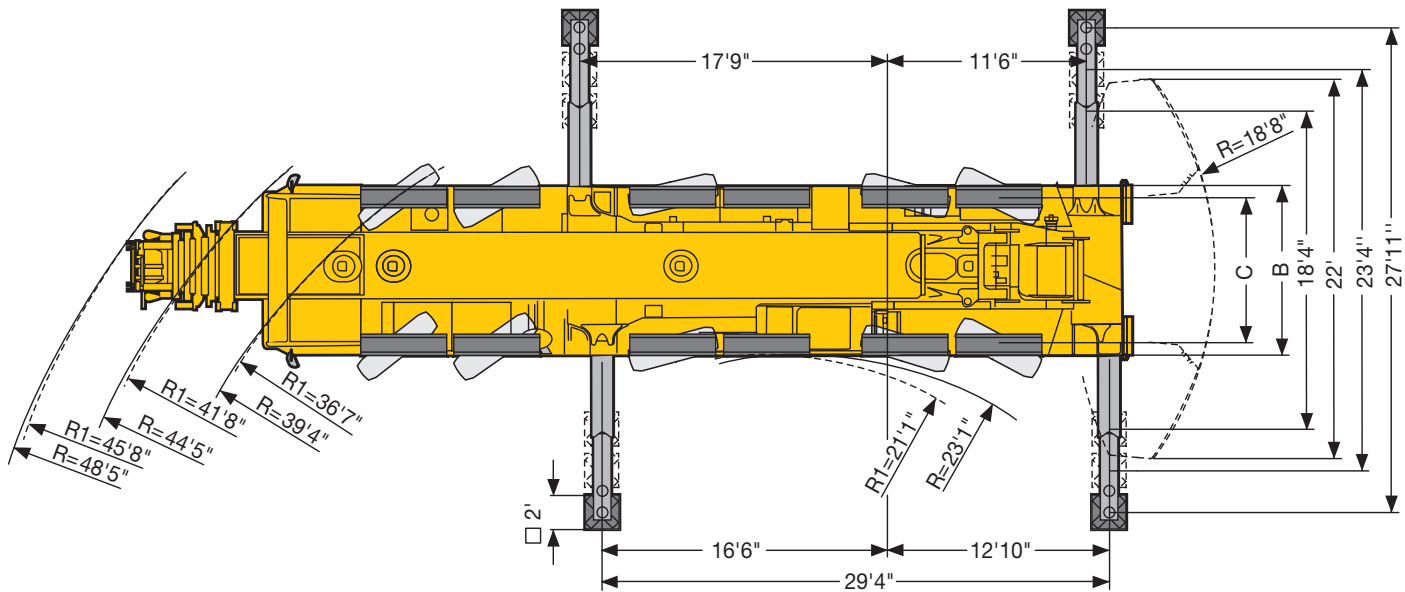
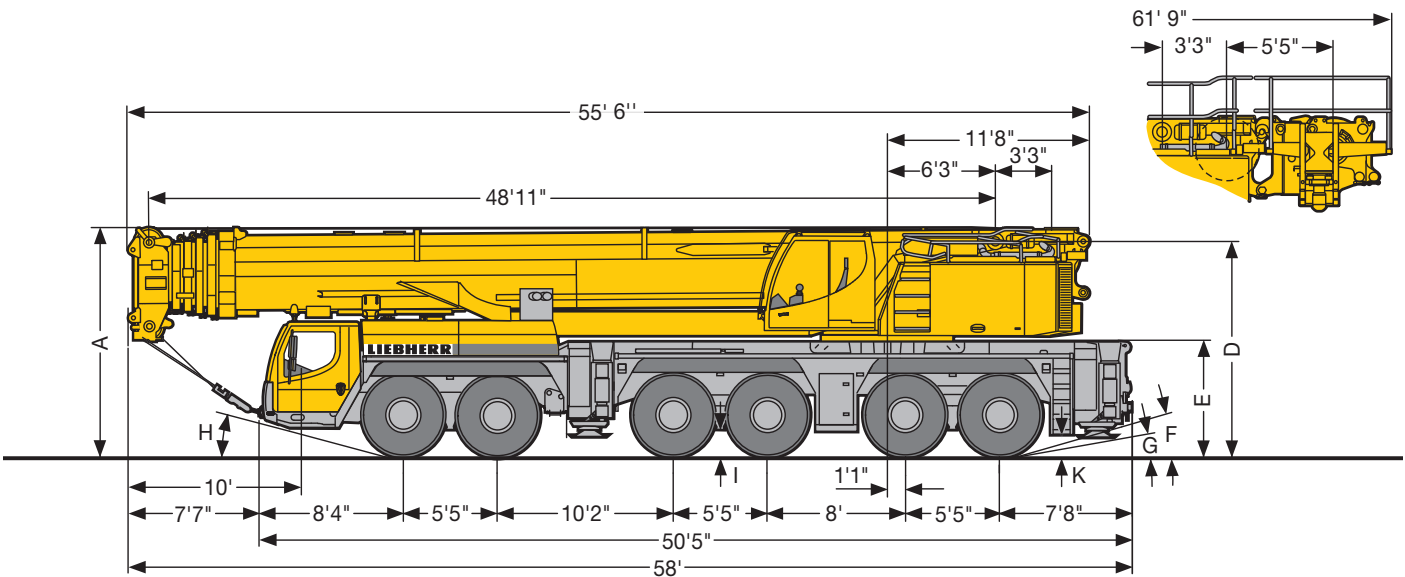


	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	1.52 – 3.9 mph	4.9	6.4	8.1	10.4	13.3	17.5	22.5	29.1	37.3	47.3	50	1.64 – 4.2	5.3	50.9 %



Drive	infinitely variable	Rope diameter / length	Max. single line pull
	0 – 393 ft/min single line	0.9" / 1148 ft	27420 lbs
	0 – 393 ft/min single line	0.9" / 2296 ft	27420 lbs
	0 – 1.2 rpm		
	approx. 75 seconds to reach 84° boom angle		
	approx. 533 seconds for boom extension from 49 ft – 230 ft		

Dimensions



KS2271.02

R_1 = All-wheel steering

	Dimensions										
	A	A 6"	B	C	D	E	F	G	H	I	K
	445/95 R 25 (16.00 R 25)	13'1"	12'8"	9'10"	8'4"	12'4"	6'7"	16°	10°	15°	1'4"
525/80 R 25 (20.5 R 25)	13'1"	12'8"	10'2"	8'5"	12'4"	6'7"	16°	10°	13°	1'4"	1'2"
* lowered											

Equipment

Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display
Engine	8-cylinder Diesel, make Liebherr, type D9508 A7, watercooled, output 450 kW (612 h.p.) at 1900 rpm, max. torque 2106 lbs-ft at 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 127 gallons.
Transmission	Automatic transmission system with torque converter and intarder, make ZF, type TC-TRONIC with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
Axles	Low maintenance carrier axles, all 6 axles steered. Axle 1, 3 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.
Tyre equipment	12 tyres, all axles equipped with single tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), intarder in gearbox. Hand brake: Spring-loaded, acting on all wheels of axles 2 to 6.
Driving cab	Spacious and comfortable sheet steel cab mounted on rubber shock absorbers, safety glass windows.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	4-cylinder Diesel, make Liebherr, type D934L A6, watercooled, output 180 kW (245 h.p.) at 1800 rpm, max. torque 845 lbs-ft at 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 106 gallons.
Crane drive	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control.
Crane control	Two self-centering control levers (joy-sticks). Pedal switches for telescoping. Infinitely variable crane motions through displacement control of the hydraulic pumps. Additional working speed control by variation of the Diesel engine speed.
Hoist gear	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential hydraulic ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Fiber composite material, large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.
Counterweight	220500 lbs
Telescopic boom	1 base section and 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 49 ft – 230 ft.
Electric system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.
Guying system for telescopic boom Y	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position Self assembly.
Additional counterweight	4 additional counterweight slabs of 22050 lbs each for a total counterweight of 308600 lbs.
Lattice jibs	Fixed lattice jib 20 ft to 138 ft long, installation at 0°, 20°, 40° or 60°, luffing lattice jib 39 ft to 256 ft long.
2nd hoist gear	For 2-hook operation or for operating the luffing lattice jib.
Drive 12 x 8	The 4th axle is driven additionally.



Crane Rental Service

TRUCK CRANES

Capacities 82 to 200 tons
Booms to 390 feet

HYDRAULIC CRANES

Capacities 8.5 to 625 tons
Booms to 480 feet

CRAWLER CRANES

Capacities 115 to 440 tons
Booms to 512 feet

TOWER CRANES

Favco 750 & 1000 "Kangaroos"
Link-Belt TG-1900's

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Selection of **LIEBHERR** All Terrain and
Crawler/Luffer Cranes in New York City



Subject to modification

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Liebherr-Werk Ehingen GmbH

Postfach 1361, 89582 Ehingen, Germany

☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99

www.liebherr.com, E-mail: info.lwe@liebherr.com