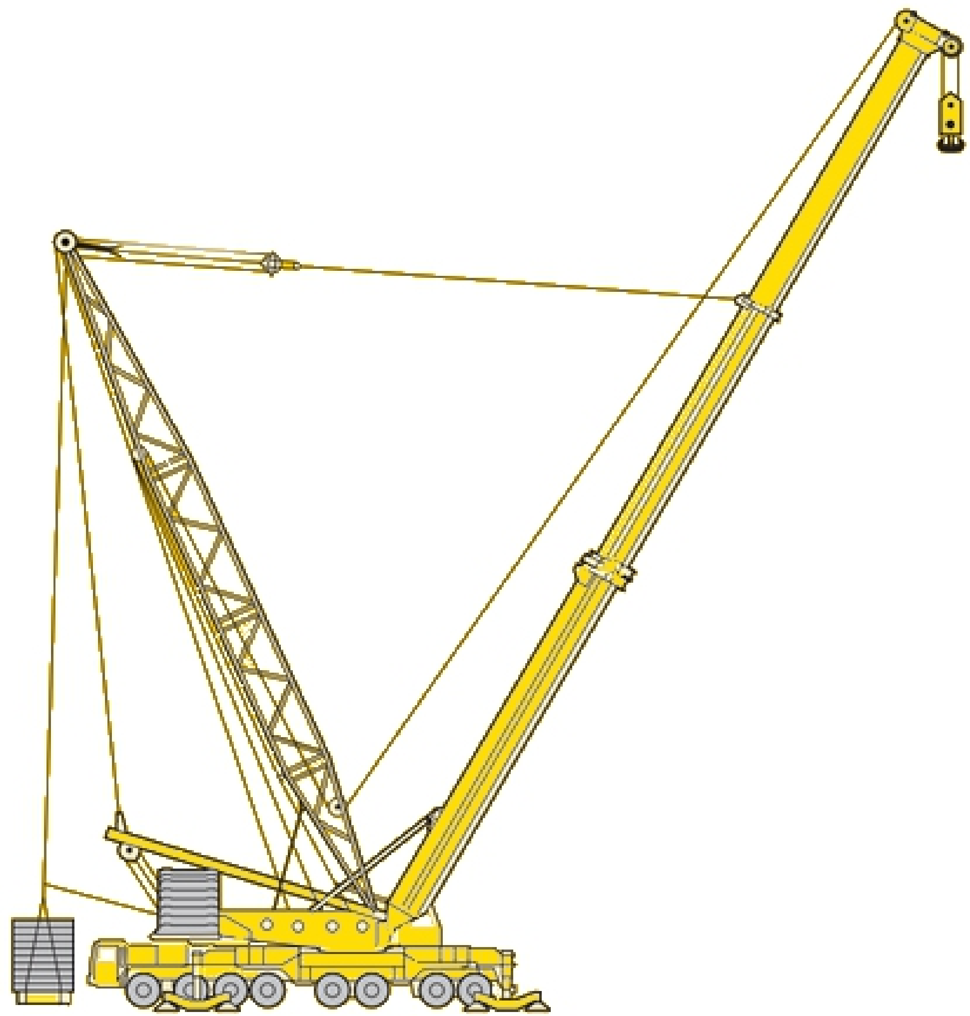


LIEBHERR LTM 1800

1000 TON MOBILE CRANE TECHNICAL DATA

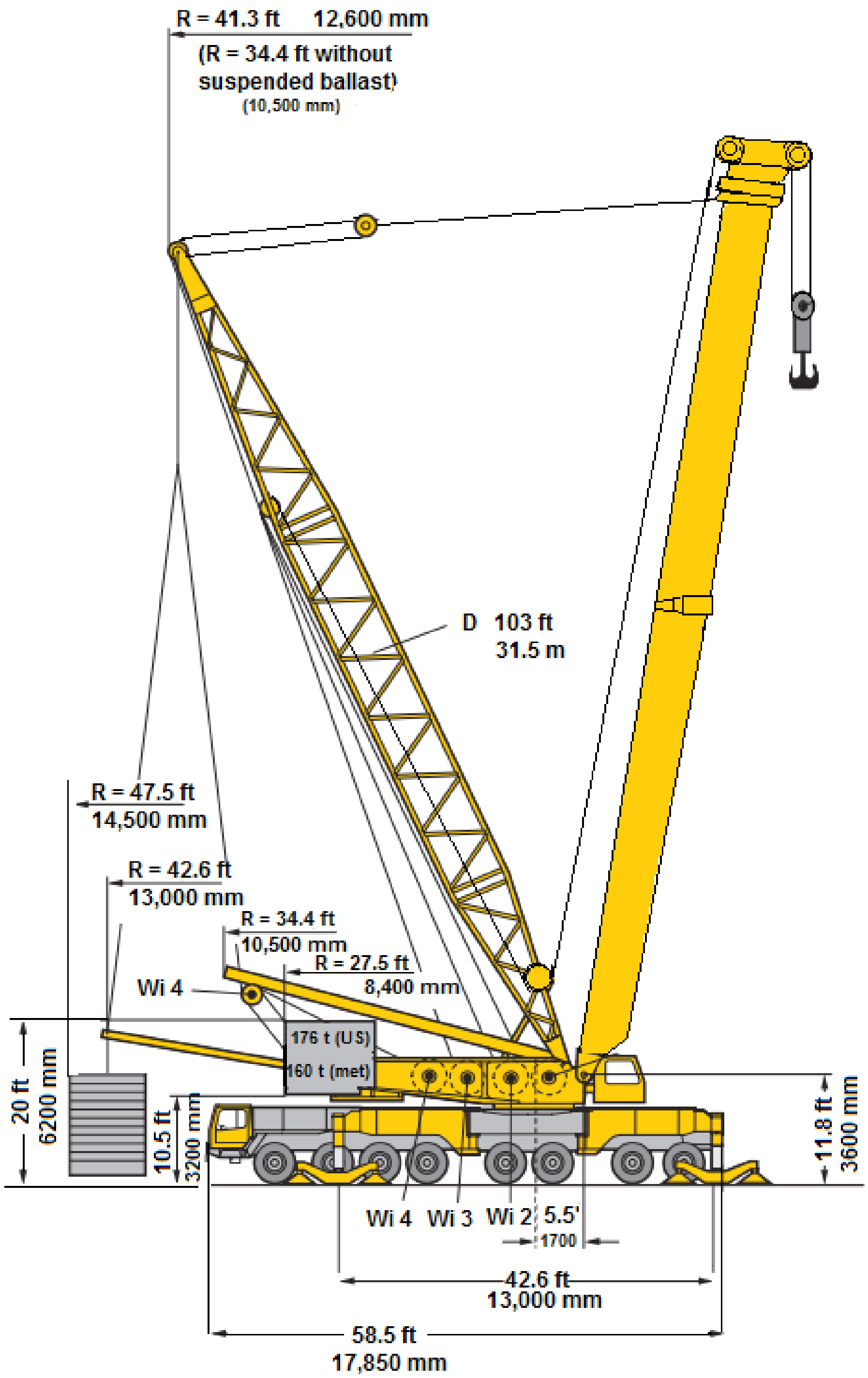
Technical Description

Crane Carrier	Crane Superstructure
Frame Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel.	**Frame** Self-manufactured, torsion resistant, welded construction of high-tensile structural steel. Connected to chassis by a 3-row roller slewing ring, 360º slewing range.
Outriggers Four hydraulic swing-out beams with support pad jacks.	**Engine** Diesel, 6 cylinder, watercooled, make Liebherr, type D 9406 TI-E output 300 kW DIN (408 HP) at 1900 min^{-1}, max torque 1710 Nm at 1400 min^{-1}.
Engine Diesel, 8 cylinder, watercooled, make Liebherr, type D 9408 TI-E A5, output 440 kW DIN (598 HP) at 2100 min^{-1} acc. to ECE-R 24.03 and 2001/27/EG (Euro 3), max torque 2580 Nm at 1200 min^{-1} – 1500 min^{-1}. Fuel tank capacity: 422 gallons (600 liters).	**Crane Drive** Hydraulically by pump transfer case and 5 axial piston variable displacement pumps with capacity control, closed hydraulic circuits.
Transmission Allison, type CLBT 755 automatic transmission with torque converter and hydrodynamic retarder brake, 5 forward speeds, 1 reverse. Splitter gearbox with differential and differential lock, off-road range.	**Crane Control** Servo control with electronic synchronizing device on hoisting winches. Energy recycling during lowering of load. All motions controlled independently by joystick selectors.
Axles Heavy-duty crane truck axles, all 8 axles sprung. Axles 1 to 4 and 7 and 8 steered. Axles 1, 2, 5, and 6 have planetary reduction gears with differential locks.	**Winches** Winches, hydraulically controlled by axial piston variable displacement pumps and planetary gears, spring-loaded multi-disc brakes with hydraulic release.
Suspension All axles are hydropneumatically sprung with automatic leveling. Load equalization between all axle pairs. Suspension can be hydraulically locked.	**Slewing Gears** Hydraulically controlled by axial piston pump and planetary gear, spring-loaded multi-disc brake with hydraulic release. Infinitely variable slewing speed 0 – 1.2 min^{-1}.
Tires 24 tires. Axles 1, 2, 5, and 6 with single tires, axles 3, 4, 7, and 8 with twin tires. Tire size: 14.00 R 25.	**Counterweight** 176 US ton, consisting of: 1 base slab of 17.6 US ton, 12 slabs of 22,046 lbs each and 4 slabs of 13,227 lbs each. Additional counterweight 44.1 US ton option.
Steering ZF semi-unitary hydraulic power steering with 2 pump circuits. Main pump circuit driven from engine, auxiliary pump circuit from final drive.	**Operator's Cab** Sheet steel design with safety glazing, movable sideward and inclinable to the rear, including operating equipment and check instruments.
Brakes Service brake: servo assisted air brakes acting on all wheels, dual circuit system. Hand brake: spring-action, acting on all wheels of axles 2 to 7.	**Safety Devices** LICCON safe load indicator, hoist limit switch, safety valves to protect hydraulic system against pipe and hose fracture.
Driver's Cab Large-area, all-steel cab with resilient mountings, safety glass windows and full range of instruments.	**Electric System** 24 V DC – 2 batteries, 143 Ah each.
Electrical System 24 volts of DC, 2 batteries, lighting to road vehicle regulations.	

Additional Equipment

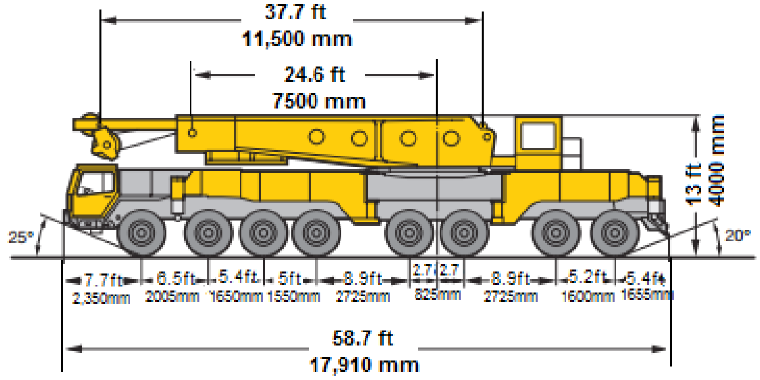
Fly jibs: Luffing lattice jib TN 69 ft – 299 ft, lattice fly jib TF 46 ft – 207 ft.	
Derrick System: derrick boom D 103 ft, counterweight pallet incl. 264 US ton derrick counterweight.	
Guyed telescopic boom: for operation with luffing jib TAN.	**Hoisting gear/winch II:** for two-hook and derrick operation.
Luffing jib gear/winch II: winch for operating the luffing jib.	**Transport support for telescopic boom:** for separate transport of the telescopic boom on a transport vehicle.
Other items of equipment available upon request.	

Dimensions

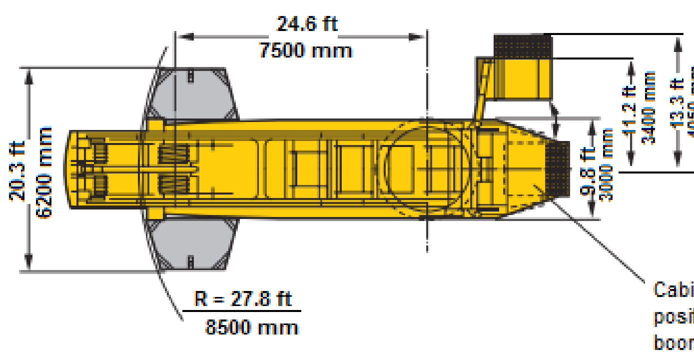


R = 41.3 ft 12,600 mm
(R = 34.4 ft without suspended ballast)
(10,500 mm)
D 103 ft
31.5 m
R = 47.5 ft
14,500 mm
R = 42.6 ft
13,000 mm
R = 34.4 ft
10,500 mm
R = 27.5 ft
8,400 mm
Wi 4
176 t (US)
160 t (met)
20 ft
6200 mm
10.5 ft
3200 mm
11.8 ft
3600 mm
Wi 4
Wi 3
Wi 2
5.5'
1700
42.6 ft
13,000 mm
58.5 ft
17,850 mm

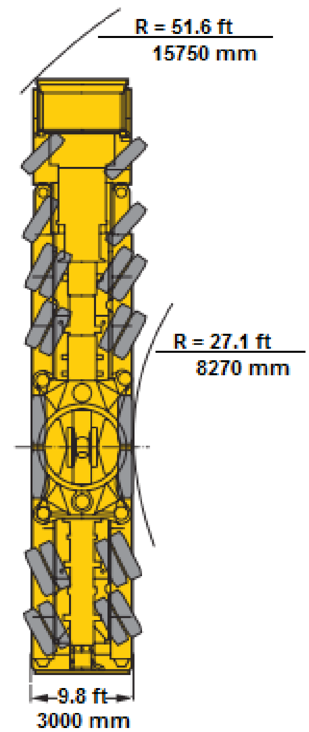
Dimensions



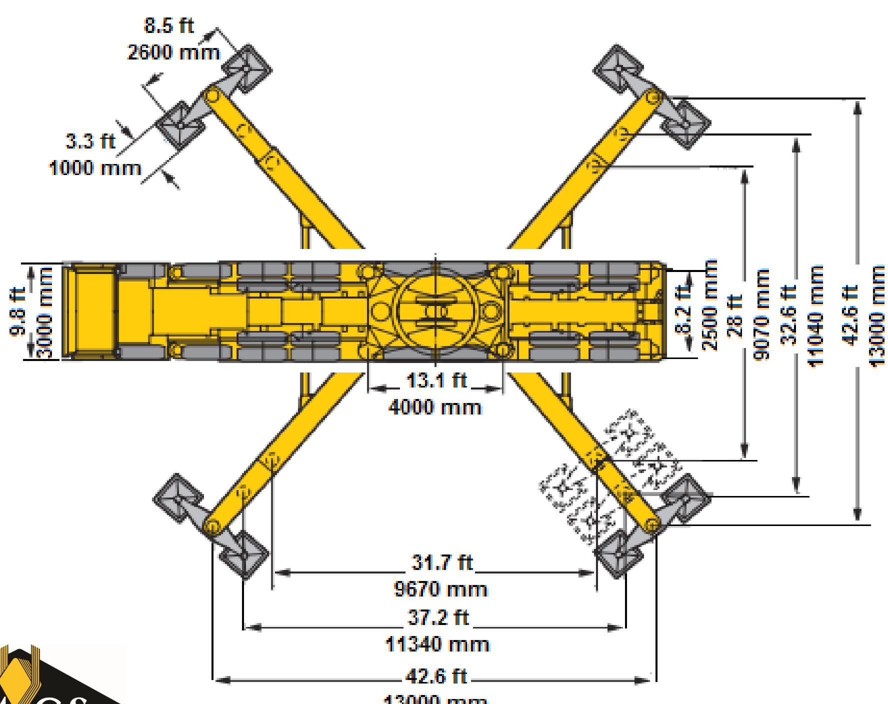
37.7 ft
11,500 mm
24.6 ft
7500 mm
13 ft
4000 mm
25°
20°
7.7ft
2,350mm
6.5ft
2005mm
5.4ft
1650mm
5ft
1550mm
8.9ft
2725mm
2.7
2.7
825mm
8.9ft
2725mm
5.2ft
1600mm
5.4ft
1655mm
58.7 ft
17,910 mm



24.6 ft
7500 mm
Cabin in working position
20.3 ft
6200 mm
11.2 ft
3400 mm
13.3 ft
4050 mm
9.8 ft
3000 mm
R = 27.8 ft
8500 mm
Cabin in traveling position without boom

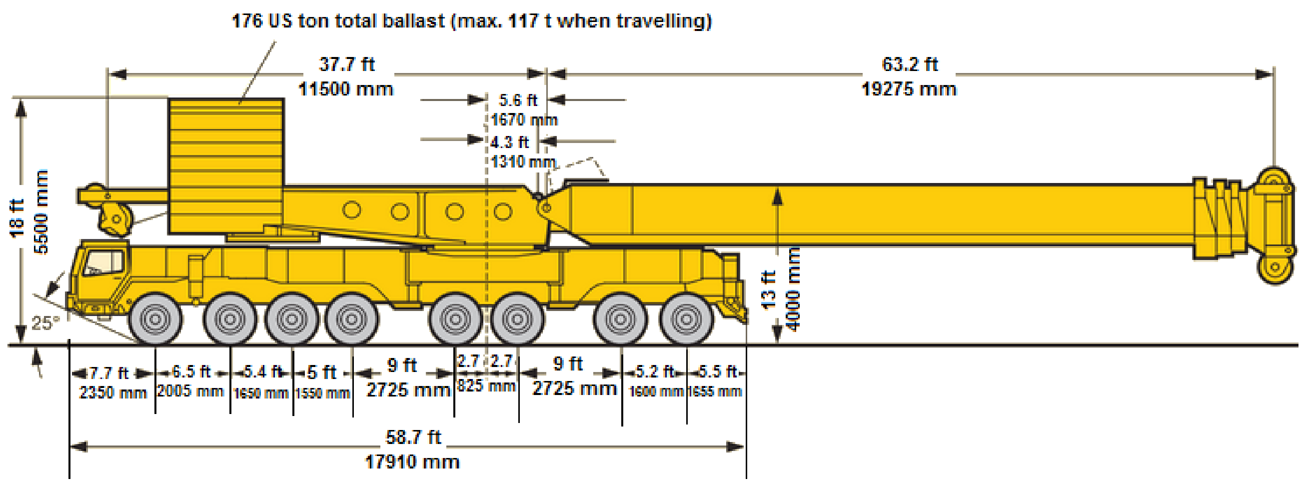


R = 51.6 ft
15750 mm
R = 27.1 ft
8270 mm
9.8 ft
3000 mm

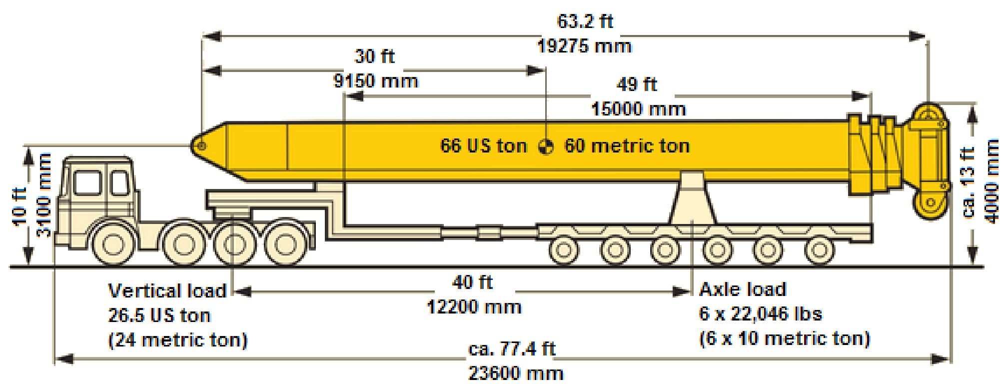


8.5 ft
2600 mm
3.3 ft
1000 mm
9.8 ft
3000 mm
8.2 ft
2500 mm
28 ft
9070 mm
32.6 ft
11040 mm
42.6 ft
13000 mm
13.1 ft
4000 mm
31.7 ft
9670 mm
37.2 ft
11340 mm
42.6 ft
13000 mm

Dimensions



176 US ton total ballast (max. 117 t when travelling)
37.7 ft
11500 mm
63.2 ft
19275 mm
5.6 ft
1670 mm
4.3 ft
1310 mm
18 ft
5500 mm
13 ft
4000 mm
25°
7.7 ft
2350 mm
6.5 ft
2005 mm
5.4 ft
1650 mm
5 ft
1550 mm
9 ft
2725 mm
2.7
2.7
825 mm
9 ft
2725 mm
5.2 ft
1600 mm
5.5 ft
1655 mm
58.7 ft
17910 mm



63.2 ft
19275 mm
30 ft
9150 mm
49 ft
15000 mm
66 US ton
60 metric ton
10 ft
3100 mm
ca. 13 ft
4000 mm
Vertical load
26.5 US ton
(24 metric ton)
40 ft
12200 mm
Axle load
6 x 22,046 lbs
(6 x 10 metric ton)
ca. 77.4 ft
23600 mm

Weights

Axle	1	2	3	4	5	6	7	8	Total Weight (US tons)
t	13.23	13.23	13.23	13.23	13.23	13.23	13.23	13.23	105.84

Load (US Tons)	Number of Sheaves	Number of Lines	Weight (lbs)
496 (248)	2 x 9 (9)	36 (18)	24,250.8 (15,432.4)
418.9 (209.4)	2 x 7 (7)	28 (14)	24,250.8 (14,330)
385.5	15	30	19,841.6
259	9	18	13,227.7
102.5	3	7	11,023.1
45.2	1	3	5,732
15.8	-	1	2,425

Working Speeds

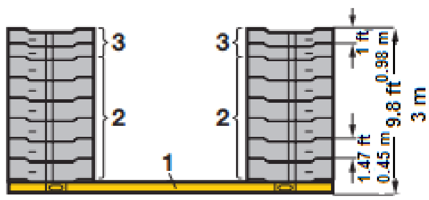
	1	2	3	4	5	R	%
MPH	9.1	12.8	20.25	30.2	41.9	9.6	18%
MPH	4.7	7.1	11.2	16.4	23.2	4.9	34%
	14.00 R 25						

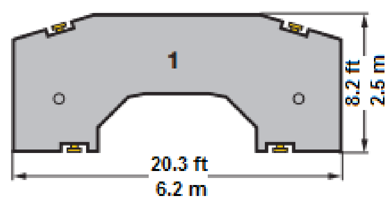
Drive	Mode	Speeds (ft/min)	Max. Single Line Pull (ft/lbs)	Rope Diameter	Rope Length (ft)
1	Hoist gear 1	0 – 459.3	31,460	1 1/8”	3,510.5
2	Hoist gear 2 synchronized with hoist gear 1	0 – 459.3	31,460	1 1/8”	3,510.5
3	Super lift boom	0 – 459.3	31,460	1 1/8”	3,280.8
4	Main boom	0 - 164	40,451	1 1/8”	2 x 1,082.6
5	Luffing fly jib	0 – 459.3	31,460	1 1/8”	3280.8
360°	0 – 1.2 min min^{-1}				
	Approximately 360 seconds for boom extension from 63 ft – 197 ft				

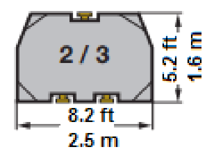
Transportation Plan

Components

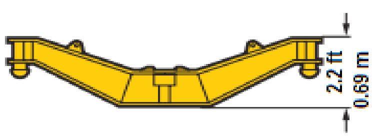
Winch		Weight (US ton)		
Winch 1 with rope		5.3		
Winch 2 with rope		5.3		
Winch 3 with rope		6.06		
Counterweight				
Slab 1	1 x 17.6 t	17.6		
Slab 2	12 x 11.02 t	132.3	176.4	
Slab 3	4 x 6.6 t	26.5		220.5
Slab 2	4 x 11.02 t	44.1		

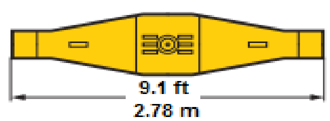


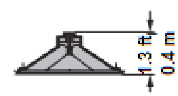


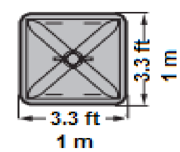


Travers with pad jacks		Weight (US ton)
Travers	4 x .88 t	3.5
Pad jack	8 x .11 t	0.88





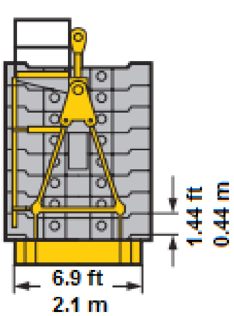


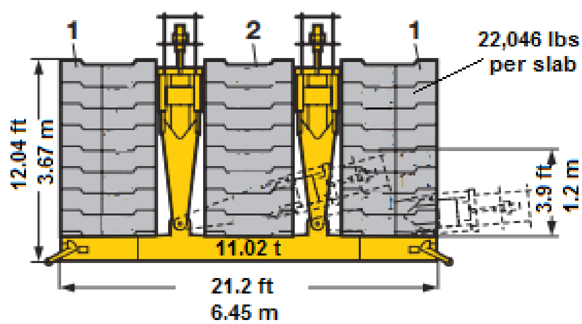


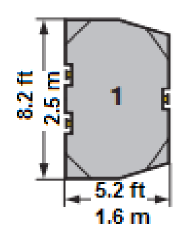
*Additional ballast

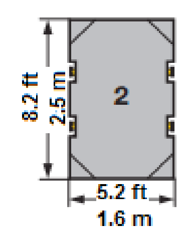
Additional Equipment

Suspended Ballast	Max 275.6 t	Dimensions (ft)	Weight (US ton)
Ballast pallet with suspension device	1 x 11.02 t	21 x 6.9 x 3.9	11.02
Ballast slap 1	16 x 11.02 t	8.2 x 5.2 x 1.3	176.4
Ballast slap 2	8 x 11.02 t	8.2 x 5.2 x 1.3	88.2









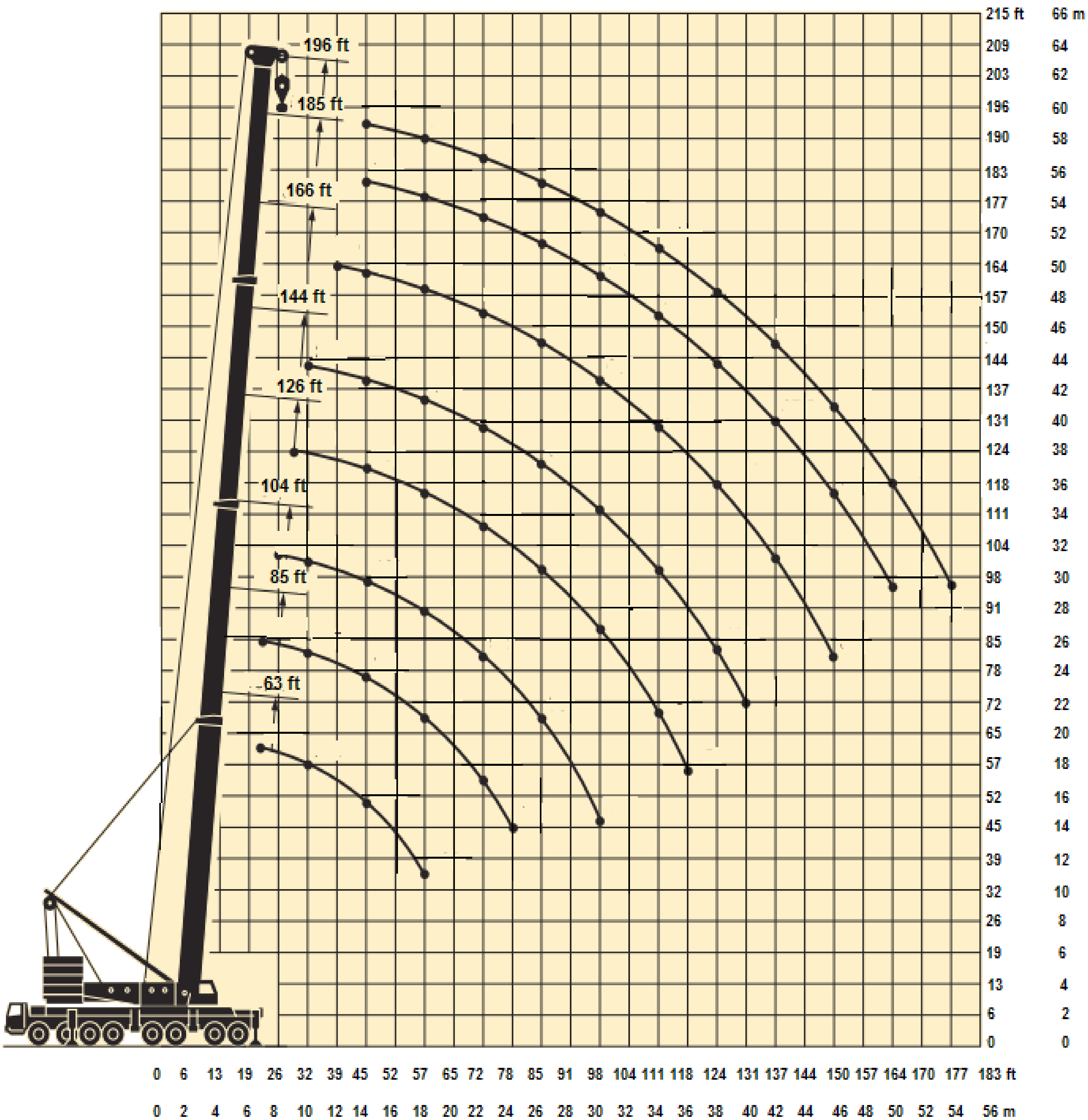
RMCS

Remarks Referring to Load Charts

1. The tabulated lifting capacities do not exceed 75/85% of the tipping load.
2. Lifting capacities are given in US pounds and noted in kips (1000 lbs).
3. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
4. Working radii are measured from the slewing center.
5. Lifting capacities with reduced support base on request.
6. For crane operation with luffing jib, wind force 5 = 50 N/m² has been allowed for.
7. Charts were developed by RMCS for personal use; lifting capacities and dimensions are for reference only.

Lifting Heights on Telescopic Boom

T



RMCS

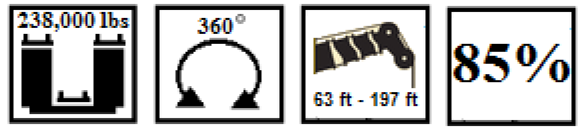
Lifting Capacities on Telescopic Boom T

Radius	63 ft	85 ft	104 ft	126 ft	144 ft	174 ft	185 ft	197 ft	Radius
22	839								**22**
23	824	813							**23**
24	796	784							**24**
26	741	728							**26**
28	689	676	673						**28**
30	641	628	625	621					**30**
32	599	587	585	581					**32**
34	563	552	550	546	496				**34**
36	532	521	518	515	475				**36**
38	500	489	487	484	453				**38**
40	471	460	458	456	433	381			**40**
45	412	403	401	401	391	344			**45**
50	366	358	355	355	355	314	275	245	**50**
55	327	320	316	316	320	287	255	227	**55**
60		288	284	284	288	263	237	209	**60**
65		261	257	257	259	243	220	194	**65**
70		237	233	234	237	224	205	179	**70**
75		217	212	214	217	208	190	164	**75**
80			195	196	199	193	176	152	**80**
85			179	180	184	179	164	142	**85**
90			166	166	170	169	154	132	**90**
95			154	154	157	159	145	124	**95**
100				142	145	149	136	117	**100**
105				132	134	141	128	109	**105**
110				124	126	133	121	103	**110**
115				115	118	124	116	97.5	**115**
120					110	117	110	91.5	**120**
125					103	110	104	86	**125**
130					95.5	103	98.5	82.5	**130**
135						96.5	93	78	**135**
140						90	88.5	73.5	**140**
145						84	84.5	70	**145**
150						79	81	66	**150**
155							77	62.5	**155**
160							73	59.3	**160**
165								56.6	**165**
170								53.7	**170**
175								51.7	**175**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Telescopic Boom

T



Radius	63 ft	85 ft	104 ft	126 ft	144 ft	174 ft	185 ft	197 ft	Radius
23	716	702							**23**
24	689	675							**24**
26	635	622							**26**
28	589	577	574						**28**
30	547	536	532	530					**30**
32	511	501	497	495					**32**
34	480	471	467	465	469				**34**
36	452	443	440	438	442				**36**
38	425	416	413	411	415				**38**
40	400	391	388	386	319	381			**40**
45	351	342	338	338	342	344			**45**
50	310	303	298	298	303	307	275	245	**50**
55	276	269	266	266	269	274	255	227	**55**
60		240	238	238	240	246	236	209	**60**
65		217	213	215	217	217	216	194	**65**
70		198	193	194	193	195	195	179	**70**
75		180	176	174	173	176	176	164	**75**
80			159	155	155	159	159	152	**80**
85			142	140	138	144	144	142	**85**
90			127	126	126	131	132	130	**90**
95			114	114	114	119	122	119	**95**
100				104	103	110	111	110	**100**
105				95	93.5	100	101	101	**105**
110				86.5	86	92	94	93	**110**
115				78.5	78.5	84.5	87	86	**115**
120					71.5	78.5	80.5	79.5	**120**
125					66	72.5	74.5	73.5	**125**
130					61	66.5	68.5	68.5	**130**
135						61.5	64	63.5	**135**
140						57.2	59.4	58.7	**140**
145						52.9	55.1	54.4	**145**
150						49	51.2	50.5	**150**
155							47.6	46.9	**155**
160							44.3	43.6	**160**
165								40.5	**165**
170								37.6	**170**
175								35	**175**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Telescopic Boom

T

124,000 lbs | 360° | 63 ft - 197 ft | 75%

Radius	63 ft	85 ft	104 ft	126 ft	144 ft	174 ft	185 ft	197 ft	Radius
24	539	529							**24**
26	495	486							**26**
28	459	450	457						**28**
30	425	417	424	396					**30**
32	397	388	397	390					**32**
34	373	364	373	372	339				**34**
36	351	343	351	346	319				**36**
38	330	321	330	320	300				**38**
40	310	300	308	296	281	251			**40**
45	270	252	253	247	236	212			**45**
50	225	210	212	209	202	183	171	167	**50**
55	185	175	181	180	176	159	149	145	**55**
60		148	155	157	153	138	129	127	**60**
65		124	135	137	135	121	112	111	**65**
70		106	118	121	119	108	100	99	**70**
75		90.5	102	108	106	96.5	89	87.5	**75**
80			88.5	96.5	96	86	79	77.5	**80**
85			78	85.5	86.5	77.5	70	69	**85**
90			68.5	76	78	69.5	63	62	**90**
95			60	68.5	70.5	62.5	56.4	55.4	**95**
100				61.5	64	56.6	50.3	49.5	**100**
105				54.9	57.8	50.9	44.7	44.1	**105**
110				49	52	46	39.9	39.2	**110**
115				43.7	46.8	41.5	35.4	34.8	**115**
120					42	37.3	31.2	30.8	**120**
125					37.7	33.5	27.6	27.1	**125**
130					33.8	30	24.2	23.8	**130**
135						26.7	21.1	20.7	**135**
140						23.6	18.2	17.8	**140**
145						20.6	15.6	15.1	**145**
150						17.9	13	12.8	**150**
155						15.4	10.8	10.4	**155**

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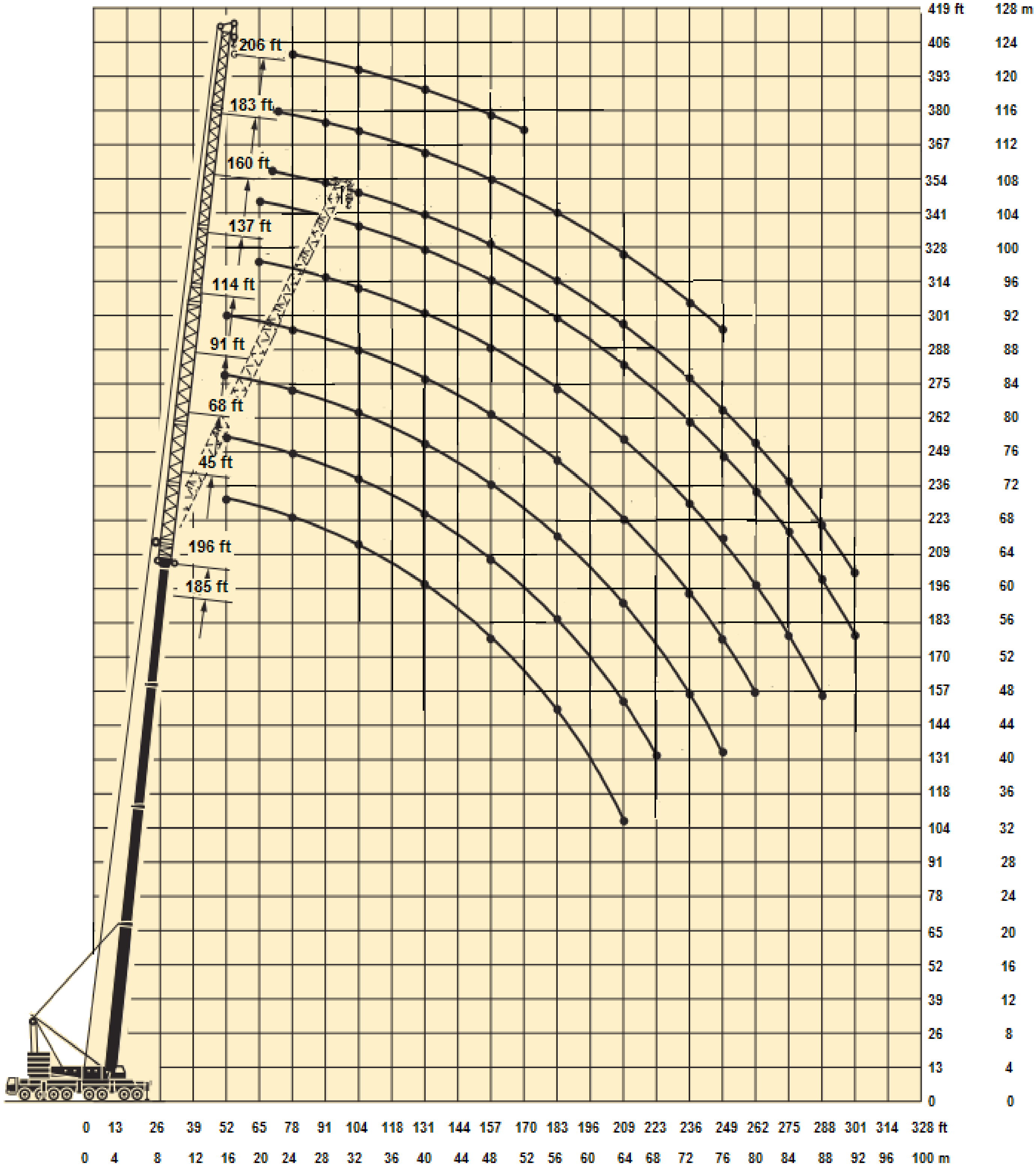
***Capacities noted in Kips (1000 lbs)**

Lifting Heights on Lattice Fly Jib TF



Lifting Capacities on Lattice Fly Jib

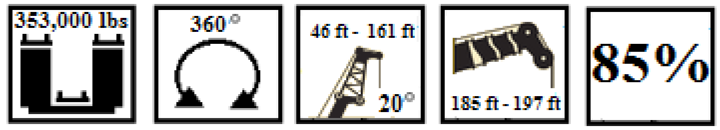
TF

	185 ft						197 ft			
Radius	**46 ft**	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**161 ft**	**184 ft**	**207 ft**	**Radius**
50	141									**50**
55	136	96.5	82.5							**55**
60	129	91.5	77.5	62.5						**60**
65	124	86.5	74.5	59.9						**65**
70	119	82.5	70	57	45.9	37.2				**70**
75	114	78	66.5	54.3	43.2	35.3	34.2	28.7		**75**
80	108	74	64	51.5	40.9	33.4	32.4	26.9	21.1	**80**
85	105	71	60.5	48.7	38.7	31.4	30.5	25.2	19.7	**85**
90	101	67.5	57.7	46.3	36.8	29.7	28.7	23.9	18.7	**90**
95	97	64.5	55.1	44.2	35	28.1	26.9	22.4	17.6	**95**
100	93.5	62.5	52.7	42.1	33.2	26.4	25.4	21	16.4	**100**
105	90.5	59.7	50.5	40.1	31.5	24.9	24	19.8	15.4	**105**
110	88	57.4	48.6	38.3	30	23.6	22.5	18.8	14.6	**110**
115	85.5	55.3	46.8	36.7	28.5	22.2	21.1	17.8	13.8	**115**
120	83	53.3	45	35.1	27.1	20.9	19.8	16.9	13	**120**
125	80.5	51.3	43.3	33.6	25.9	19.8	18.9	16	12.3	**125**
130	77	49.6	41.3	32.3	24.8	19	17.9	15.2	11.6	**130**
135	74	48.2	39.3	31.1	23.7	18	17.1	14.5	11	**135**
140	71.5	46.7	37.4	29.9	22.7	17.1	16.3	13.9	10.4	**140**
145	69	45.2	35.7	28.7	21.7	16.2	15.4	13.4	9.9	**145**
150	66	43.9	34.2	27.6	20.9	15.4	14.7	12.7	9.4	**150**
155	63	42.7	32.7	26.7	19.9	14.8	14.1	12.2	9	**155**
160	60	41.6	31.4	25.7	19.1	14.3	13.6	11.7	8.6	**160**
165	57.4	40.6	30.2	24.8	18.4	13.8	12.9	11.1	8.1	**165**
170	54.6	39.4	28.8	23.9	17.5	13.1	12.6	10.4	7.8	**170**
175	52.2	38.4	27.8	23.1	16.9	12.6	12.2	10.1		**175**
180	49.8	37.5	26.8	22.4	16.3	12.2	11.8	9.7		**180**
190	45.4	35.8	24.9	20.9	15.2	11.3	10.8	9		**190**
200	41.4	34.2	23.1	19.5	14.3	10.4	9.9	8.2		**200**
210		32.9	21.6	18.3	13.5	9.7	9.3	7.5		**210**
220		31.7	20.1	17.3	12.6	9.2	8.8	7		**220**
230			18.9	16.4	11.9	8.6	8.3	6.5		**230**
240			17.9	15.6	11.2	8	7.8	6		**240**
250				15	10.6	7.5	7.5			**250**
260				14.5	10.1	7	7			**260**
270					9.7	6.6	6.6			**270**
280					9.3	6.2	6.1			**280**
290						5.7	5.5			**290**
300						5.4	5.1			**300**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Lattice Fly Jib

TF

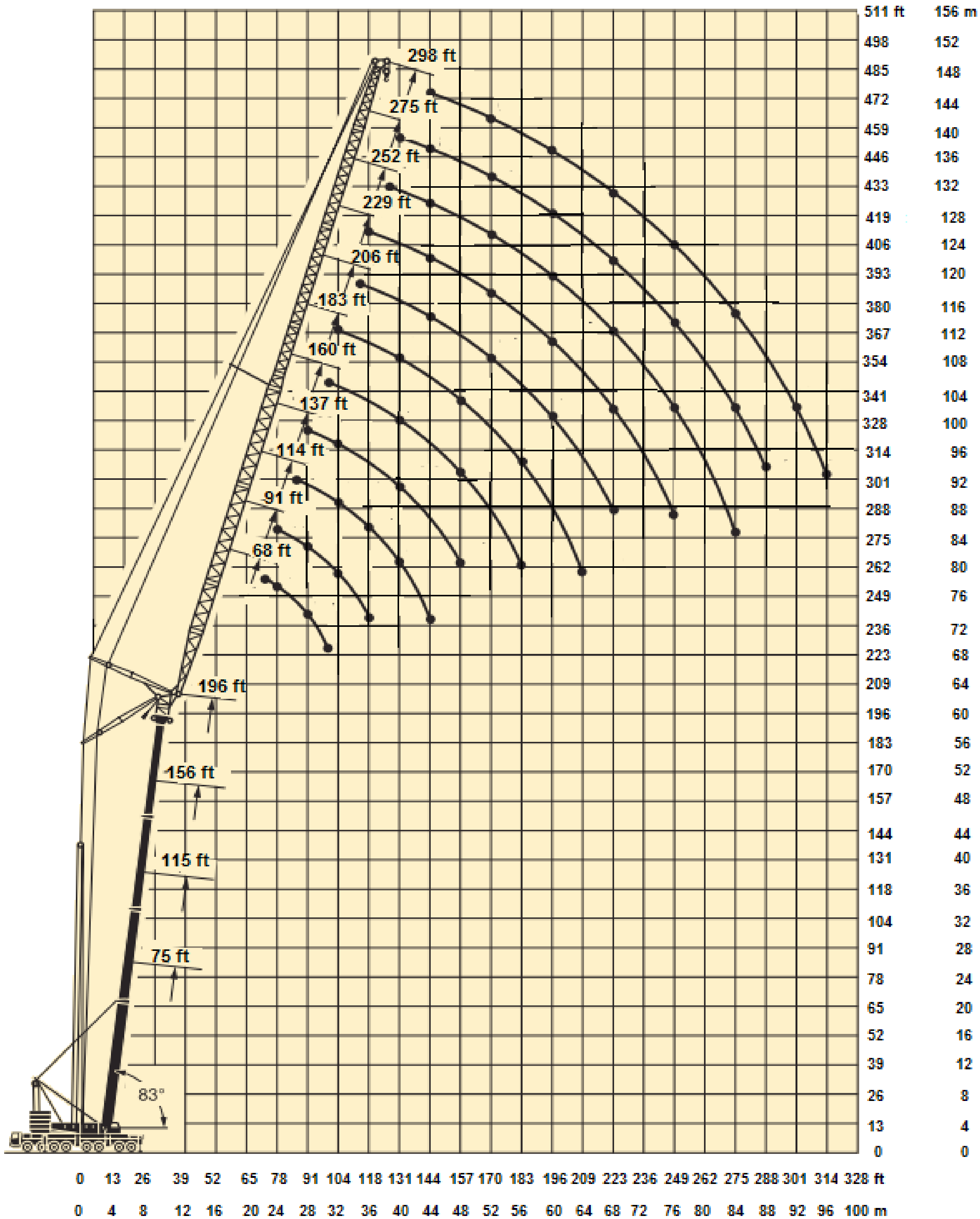


Radius	185 ft						197 ft	Radius
	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	161 ft	
60	82							**60**
65	78.5							**65**
70	77							**70**
75	75	47.7						**75**
80	73	46.2						**80**
85	70.5	45						**85**
90	67.5	43.9	33.9					**90**
95	64.5	42.7	32.5	26.3				**95**
100	62.5	41.6	31.2	25.5				**100**
105	59.7	40.8	30	24.5	18.3			**105**
110	57.2	39.8	29	23.8	17.5			**110**
115	54.9	39	28	23	16.7			**115**
120	52.8	38.3	27	22.2	16.1	12		**120**
125	50.8	37.6	26.2	21.6	15.4	11.7	11.4	**125**
130	49	36.8	25.2	21.1	15.1	11.3	11	**130**
135	47.2	36.1	24.4	20.3	14.6	10.9	10.7	**135**
140	45.6	35.3	23.7	19.6	14.2	10.5	10.3	**140**
145	44.1	34.6	23.1	19.1	13.9	10.1	9.9	**145**
150	42.8	34	22.4	18.6	13.5	9.8	9.5	**150**
155	41.6	33.5	21.9	18	13	9.4	9.2	**155**
160	40.4	33	21.4	17.5	12.6	9.1	8.9	**160**
165	39.3	32.3	20.8	17.1	12.3	8.9	8.7	**165**
170	38.3	31.8	20.1	16.8	12.2	8.7	8.5	**170**
175	37.4	31.4	19.6	16.5	11.9	8.5	8.2	**175**
180	36.6	31	19.1	16.1	11.7	8.2	7.9	**180**
190	35.1	30	18.2	15.5	11.1	7.7	7.4	**190**
200	33.9	29	17.4	14.9	10.6	7.2	6.9	**200**
210		28	16.8	14.6	10.1	6.8	6.5	**210**
220		24.3	16.1	14.2	9.8	6.4	6.2	**220**
230		20.6	15.3	13.9	9.5	6.1	5.8	**230**
240			14.6	13.5	9.2	5.8	5.5	**240**

RMCS

***Capacities noted in Kips (1000 lbs)**

Lifting Heights on Luffing Lattice Jib TN



Lifting Capacities on Luffing Lattice Jib — TN

75 ft												
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**276 ft**	**299 ft**	**Radius**
46	302											**46**
48	298											**48**
50	294											**50**
52	290											**52**
54	286	254										**54**
56	282	251										**56**
58	276	248										**58**
60	272	246	217									**60**
65	263	241	212									**65**
70	255	234	206	173								**70**
75	248	227	200	169								**75**
80		219	195	165	136							**80**
85		214	190	161	135							**85**
90		206	185	156	130	110						**90**
95		197	179	151	127	107	83.5					**95**
100		181	173	147	125	104	82	64				**100**
105			168	143	121	101	80.5	63	51.6			**105**
110			163	140	118	99.5	79	62.5	51.1			**110**
115			154	134	116	98	77	61.5	50.5	42.5		**115**
120			143	129	113	96	75.5	60.5	49.7	41.9	33.6	**120**
125				125	109	93.5	75	59.7	48.9	41.2	32.8	**125**
130				122	106	91	73	58.7	48.6	40.2	32.1	**130**
135				116	103	89	72	57.8	48	39.3	31.5	**135**
140				108	99.5	86.5	70.5	57	47.3	38.6	30.8	**140**
150					93.5	83	68	55.2	46.1	37.1	29.4	**150**
160					86.5	79	65	53.4	44.9	35.6	28.1	**160**
170					74.5	74	62.5	51.7	43.7	34.5	27	**170**
180						70	59.3	49.9	42.2	33	25.6	**180**
190							56.6	48.1	40.9	31.6	24.3	**190**
200							53.9	46.4	39.7	30.3	23	**200**
210								44.5	38.4	29.1	21.8	**210**
220								43	37.2	27.9	20.7	**220**
230								41.3	35.8	26.6	19.5	**230**
240									34.4	25.4	18.4	**240**
250										24.4	17.4	**250**
260										23.4	16.3	**260**
270										22.6	15.3	**270**
280											14.3	**280**
290											13.4	**290**
300											12.7	**300**

RMCS

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Luffing Lattice Jib TN

Radius	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	Radius
						116 ft						
56	273											**56**
58	270											**58**
60	267	242										**60**
65	259	237										**65**
70	249	229	201									**70**
75	242	222	196	168								**75**
80	235	217	191	164								**80**
85	221	210	185	159								**85**
90		203	179	154	129							**90**
95		194	174	150	127	107						**95**
100		185	170	146	125	104	82					**100**
105		176	165	141	121	101	80.5	63				**105**
110		156	160	138	118	99.5	79	62.5				**110**
115			154	133	116	98	77	61.5	50.5			**115**
120			148	129	113	96	75.5	60.5	49.7	41.9		**120**
125			143	125	109	93.5	75	59.7	48.9	41.2	32.8	**125**
130			131	120	106	91	73	58.7	48.2	40.2	32.1	**130**
135				116	103	89	72	57.8	47.7	39.3	31.5	**135**
140				112	99.5	86.5	70.5	57	47.2	38.6	30.8	**140**
150				98.5	93.5	83	68	55.2	46.1	37.1	29.4	**150**
160					88	79	65	53.4	44.9	35.6	28.1	**160**
170					83	74	62.5	51.7	43.7	34.5	27	**170**
180						70	59.3	49.9	42.2	33	25.6	**180**
190						65.5	56.6	48.1	40.9	31.6	24.3	**190**
200							53.9	46.4	39.7	30.3	23	**200**
210							50.9	44.5	38.4	29.1	21.8	**210**
220							48.2	43	37.2	27.9	20.7	**220**
230								41.3	35.8	26.6	19.5	**230**
240									34.4	25.4	18.4	**240**
250									33.2	24.4	17.4	**250**
260									31.9	23.4	16.3	**260**
270										22.6	15.3	**270**
280										21.9	14.3	**280**
290											13.4	**290**
300											12.7	**300**
310												**310**

RMCS

***Capacities noted in Kips (1000 lbs)**

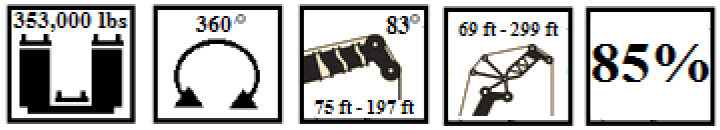
Lifting Capacities on Luffing Lattice Jib

TN

	156 ft											
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**276 ft**	**299 ft**	**Radius**
60	202											**60**
65	195											**65**
70	188	167										**70**
75	181	163	144									**75**
80	175	157	141									**80**
85	170	152	139									**85**
90	165	149	136	115								**90**
95		146	131	114	96.5							**95**
100		142	127	112	95.5	80						**100**
105		137	126	109	93.5	78.5	68.5					**105**
110		132	122	107	93	76.5	66.5					**110**
115		128	120	106	91.5	75.5	66	52.9				**115**
120			118	104	90	74.5	65	52.2	43.5			**120**
125			115	101	88	74	64	51.3	43	35.7		**125**
130			113	99.5	87.5	73	63	50.5	42.3	35.2		**130**
135				98	86	72	62	49.6	41.7	34.6	27.6	**135**
140				96.5	85	70.5	60.5	48.8	41.2	34	27.1	**140**
150				92.5	83	68	58.6	47.2	40.1	32.9	26	**150**
160					80.5	65.5	56.6	45.7	39	31.9	24.8	**160**
170					77.5	63	54.4	44	38.2	30.7	23.7	**170**
180					72.5	61	52.3	42.3	36.9	29.7	22.8	**180**
190						58.8	50.3	40.7	35.5	28.6	21.9	**190**
200							48.3	39.2	34.2	27.4	20.9	**200**
210							46.1	37.7	32.9	26.2	20.1	**210**
220							44.2	36.2	31.5	25.2	18.9	**220**
230								34.6	30	24.1	17.9	**230**
240								32.9	28.5	23	17	**240**
250									27	22	16	**250**
260									25.5	20.8	15.2	**260**
270										19.6	14.2	**270**
280										18.5	13.3	**280**
290											12.4	**290**
300											11.2	**300**
310											10.2	**310**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Luffing Lattice Jib — TN

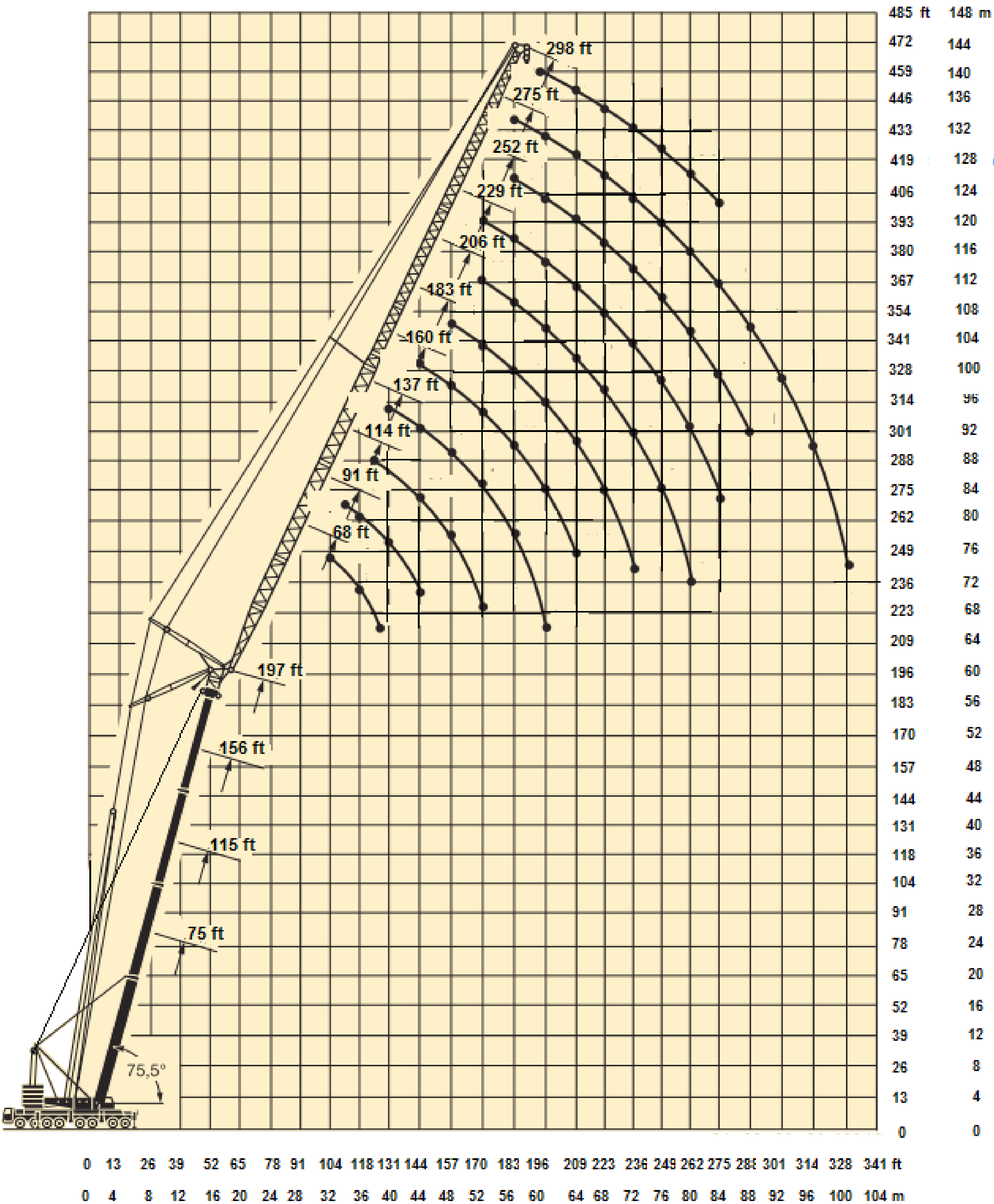


197 ft												
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**276 ft**	**299 ft**	**Radius**
75	115											**75**
80	112	99										**80**
85	109	97										**85**
90	106	95.5	82									**90**
95	103	93.5	81	70								**95**
100		92	80	69	60.5							**100**
105		89.5	78.5	68.5	59.7	50.9						**105**
110		87.5	76.5	67.5	59.1	50.4						**110**
115		86	75.5	66.5	58.5	49.8	40.9					**115**
120			74.5	65.5	58.1	49.2	40.4	33.8				**120**
125			74	65	57.7	48.7	40.1	33.3	28			**125**
130			73	63.5	56.9	48.2	39.6	32.9	27.5			**130**
135			72	63	56.3	47.7	39.3	32.6	27.2	22.2		**135**
140			71.5	62	55.8	47.2	39	32.3	26.9	21.8		**140**
150				60.5	54.7	46.2	38.3	31.5	26.2	21	16.2	**150**
160					53.5	45.2	37.4	30.7	25.4	20.4	15.5	**160**
170					52.4	44.2	36.4	30	24.7	19.9	15	**170**
180					51.4	43.1	35.7	29.4	24.1	19.1	14.2	**180**
190						42	35	28.7	23.5	18.3	13.6	**190**
200						41	34.2	28	22.9	17.7	13	**200**
210							33.5	27.1	22.3	17	12.3	**210**
220							33	26.4	21.6	16.3	11.7	**220**
230								25.7	20.8	15.8	11.1	**230**
240								24.9	20.1	15.3	10.7	**240**
250									19.6	15	10.3	**250**
260									18.9	14.3	10	**260**
270									18.5	13.9	9.5	**270**
280										13.5	9	**280**
290											8.6	**290**
300											8.2	**300**
310											7.9	**310**

***Capacities noted in Kips (1000 lbs)**

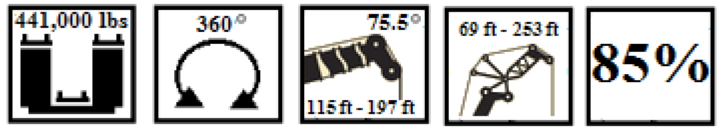
Lifting Heights on Guyed Lattice Fly Jib

TAN



RMCS

Lifting Capacities on Guyed Luffing Lattice Jib TAN

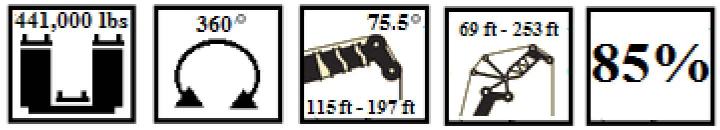


115 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
80	179									**80**
85	179									**85**
90	179	179								**90**
95	179	179								**95**
100	179	179	121							**100**
105		179	121	121						**105**
110		174	121	121						**110**
115		166	121	121						**115**
120		158	121	121	114					**120**
125		152	121	121	112	91.5				**125**
130		145	121	121	109	89.5				**130**
135			121	121	106	88				**135**
140			121	121	104	86.5				**140**
145				121	102	86				**145**
150				118	100	84				**150**
160				112	96	81	61.5	61.5	54.5	**160**
170				102	91.5	78.5	61.5	61.5	53.8	**170**
180					88.5	76	61.5	61.5	52.9	**180**
190					80	73	61.5	61.5	52.3	**190**
200						70	61.5	61	51.8	**200**
210							61.5	60	51.1	**210**
220							61.5	59	50.3	**220**
230							61	58	49.6	**230**
240								56.9	49	**240**
250								55.6	48.5	**250**
260								49	47.6	**260**
270									46.1	**270**
280									41.9	**280**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Guyed Luffing Lattice Jib

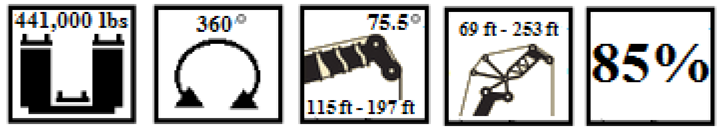
TAN



156 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
95	179									**95**
100	178	163								**100**
105	174	161								**105**
110	166	158								**110**
115	159	153	121							**115**
120		147	121							**120**
125		141	121	105						**125**
130		136	118	104						**130**
135		131	116	102	87.5					**135**
140			114	101	86.5	73.5				**140**
145			112	99	86	72.5				**145**
150			110	97.5	85.5	72				**150**
160				94	84	70	55.9	48.5		**160**
170				91.5	81.5	68.5	55.4	48.5		**170**
180				89	80	67.5	55	48.5	39.7	**180**
190					78.5	66	54.7	48.5	39.7	**190**
200					75.5	64.5	54.4	48.5	39.7	**200**
210						63	54	48.5	39.7	**210**
220						61	53.7	48.5	39.7	**220**
230							53.2	48.5	39.7	**230**
240							52.8	48.5	39.7	**240**
250								48.5	39.7	**250**
260								48.5	39.7	**260**
270								46.2	39.7	**270**
280									39.7	**280**
290									39.7	**290**
300									39.7	**300**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Guyed Luffing Lattice Jib TAN

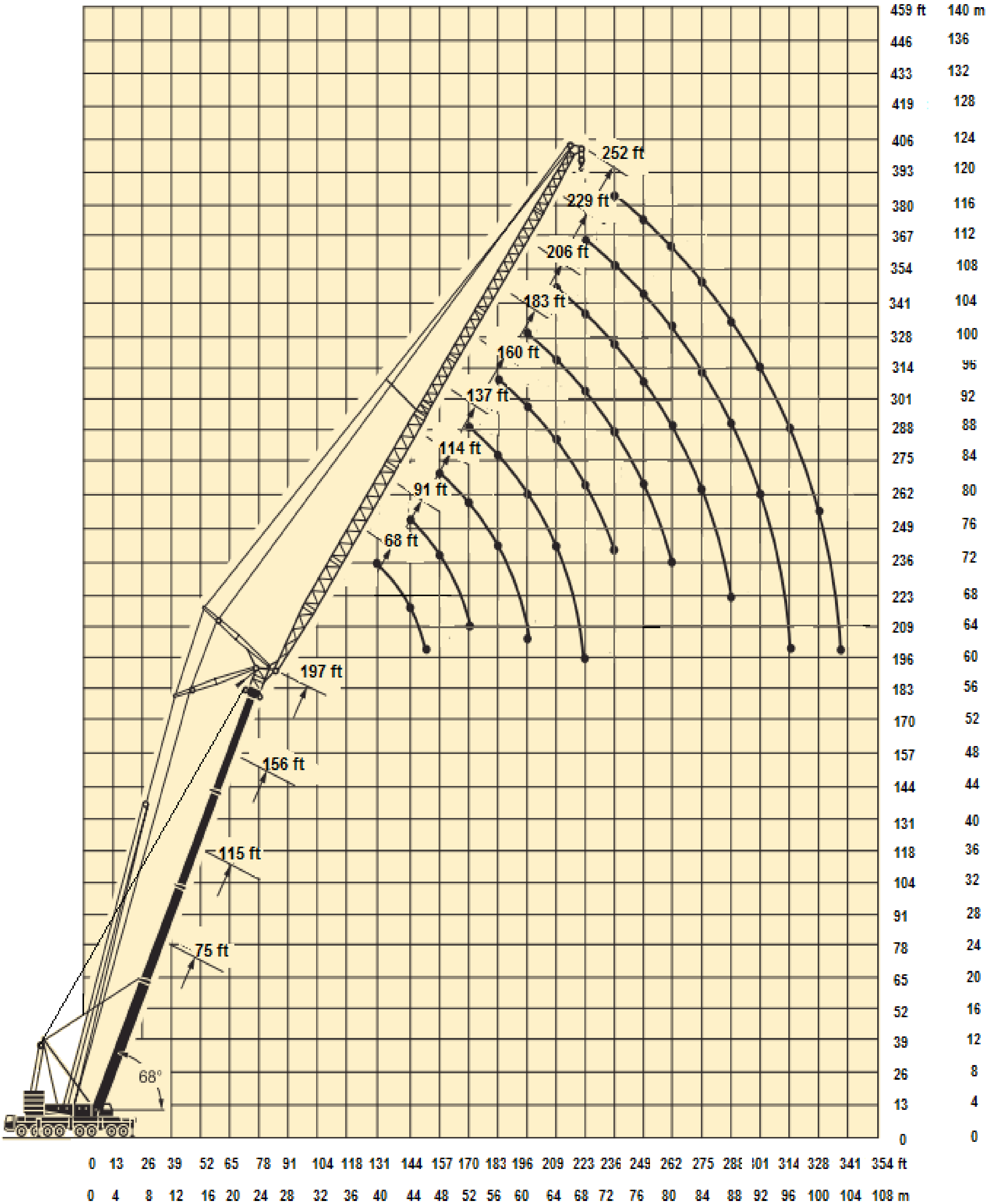


197 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
105	105									**105**
110	102									**110**
115	100	86								**115**
120	98	84								**120**
125		81.5	75							**125**
130		80	73							**130**
135		76	72	62						**135**
140		76.5	71	61						**140**
145			69.5	59.8	50.8					**145**
150			67.5	58.7	50.1					**150**
160			64.5	56.6	48.7	41				**160**
170			61.5	54.8	47.5	40				**170**
180				52.8	46	39.1	29.5	24.7		**180**
190				50.8	44.7	38.2	28.9	24.2	19.3	**190**
200					43.5	37.3	28.3	23.6	18.8	**200**
210						36.6	27.8	22.9	18.1	**210**
220						35.6	27.3	22.4	17.6	**220**
230						34.7	26.9	21.9	17.1	**230**
240							26.4	21.4	16.5	**240**
250							25.8	20.9	15.8	**250**
260							25.3	20.2	15.3	**260**
270								19.7	14.8	**270**
280									14.3	**280**
290									13.6	**290**
300									13.1	**300**

***Capacities noted in Kips (1000 lbs)**

Lifting Heights on Guyed Lattice Fly Jib

TAN



Lifting Capacities on Guyed Luffing Lattice Jib TAN

115 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
100	177									**100**
105	172									**105**
110	164									**110**
115	156	154								**115**
120		147								**120**
125		141	121							**125**
130		134	121							**130**
135		128	121							**135**
140		123	121	119						**140**
145			118	114						**145**
150			113	111						**150**
155			110	107	104					**155**
160				103	101					**160**
170				96.5	94					**170**
180				90.5	88	81	61.5			**180**
190					82.5	76.5	61.5	58.6		**190**
200					76.5	72.5	61.5	56.4	49	**200**
210						68.5	60.5	54.2	47.2	**210**
220						64	57.6	52.2	45.3	**220**
230						60.5	56.2	50.1	43.6	**230**
240							54	48	42	**240**
250								45.9	40.5	**250**
260								43.6	39.3	**260**
270								41.3	37.9	**270**
280									36.4	**280**
290									35.1	**290**
300									33.6	**300**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Guyed Luffing Lattice Jib TAN

156 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
120	147									**120**
125	141									**125**
130	138									**130**
135	134	117								**135**
140		114	114							**140**
145		112	112							**145**
150		108	107							**150**
155		105	104	95						**155**
160			102	92.5						**160**
170			94	87.5						**170**
180			88	81.5	76.5					**180**
190				76.5	73	65.5				**190**
200					69	63	53.5			**200**
210					65.5	60	51.8	45.4		**210**
220					62	57.5	50.1	44.1		**220**
230						54.9	48.4	42.7	36.6	**230**
240						52.3	46.8	41.4	35.6	**240**
250							45.3	40	34.8	**250**
260							43.8	38.7	33.9	**260**
270							42.2	37.5	33	**270**
280								36.2	32	**280**
290									31	**290**
300									30.3	**300**
310									29.5	**310**

***Capacities noted in Kips (1000 lbs)**

Lifting Capacities on Guyed Luffing Lattice Jib — TAN

441,000 lbs | 360° | 68° 115 ft - 197 ft | 69 ft - 253 ft | 85%

197 ft										
Radius	**69 ft**	**92 ft**	**115 ft**	**138 ft**	**161 ft**	**184 ft**	**207 ft**	**230 ft**	**253 ft**	**Radius**
135	75.5									**135**
140	74.5									**140**
145	74	61.5								**145**
150	73	60								**150**
155		59.3								**155**
160		58.4	51.3							**160**
170		56.8	49.1							**170**
180			46.6	41.4						**180**
190			44.4	39.4	35.2					**190**
200				37.5	33.4	31				**200**
210				35.5	31.5	29.3	26.7			**210**
220				33.5	29.8	27.8	25.2			**220**
230					28.2	26.3	23.8	17.2		**230**
240						24.7	22.4	16.3	12.8	**240**
250						23.1	21.1	15.6	11.6	**250**
260						21.5	19.9	14.9	10.8	**260**
270							18.6	14.1	10.1	**270**
280							17.3	13.3	9.4	**280**
290								12.5	8.8	**290**
300								11.6	8.3	**300**
310								10.9	7.8	**310**
320									7.2	**320**
330									6.5	**330**
340									6	**340**

***Capacities noted in Kips (1000 lbs)**