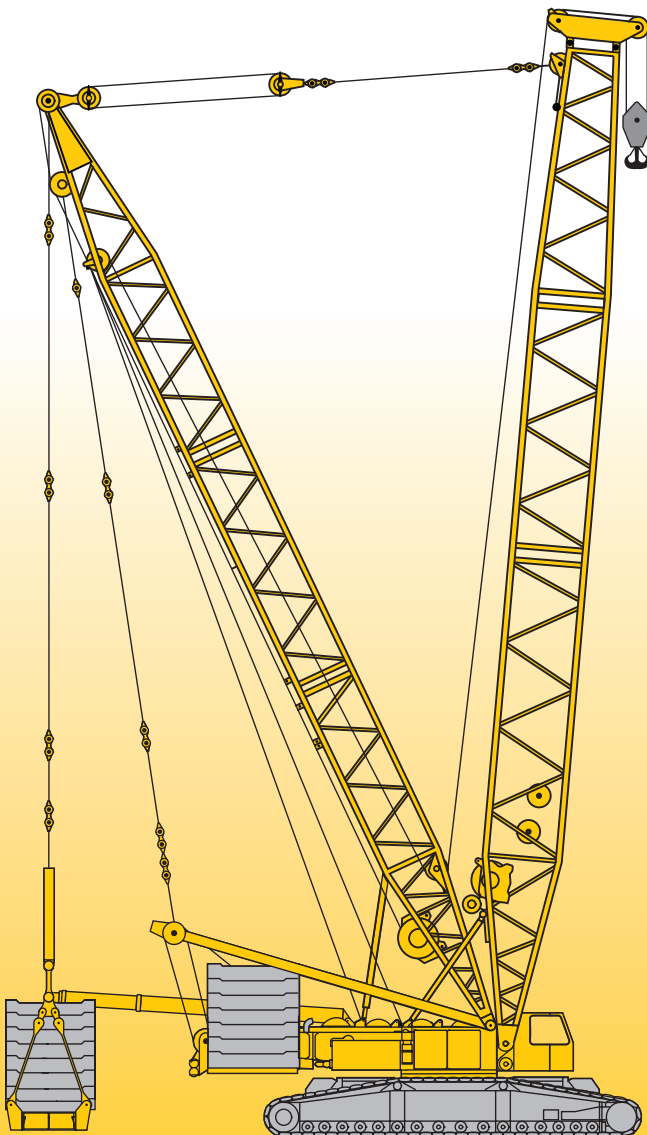


Crawler Crane

LR 1400/2

Technical Data

LIGHT BOOM SYSTEM



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

LIEBHERR

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Technical Data

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Technical description

Crawler travel gear

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile grain refined steel, comprising crawler centre section and two crawler carriers. The crawler carriers are pinned hydraulically.
Travel gear	Maintenance-free, dirt-protected crawler travel gear with 3'11" (4'11" optional) track pads and centralized lubrication system for tumbler and track roller bearings.
Travel drive	1 (optionally 2) hydraulic drives per crawler carrier, comprising axial piston variable displacement motor, planetary gear with spring-loaded, hydraulically releasable travel brake and tumbler. The crawler chains are controllable synchronously, independently and opposed to one another.
Central ballast	94800 lbs, consisting of 2 slabs 12130 lbs each and 4 slabs 17640 lbs each.

Crane superstructure

Frame	Self-manufactured, torsion resistant weldment of high-tensile grain refined steel. Connected to crawler travel gear by a 3-row roller slewing rim for 360° continuous rotation.
Crane engine	6-cylinder turbo-charged Liebherr Diesel engine, type D 9406 TI-E A3, water-cooled, output acc. to DIN 300 kW (408 h.p.) at 1900 rpm, max. torque 1261 lbs-ft at 1400 rpm. The engine corresponds to the EU directive 97/68/EG step II and is certified acc. to EPA/CARB and Tier 2. Fuel reservoir 185 gallons.
Crane drive	Diesel-hydraulic by pump distribution gear with 4 axial piston variable displacement pumps with capacity control within closed oil circuits.
Crane control	Servo-control with electronic synchronizing device by three four-way control levers and two two-way control levers (joy-stick type). Continuous control of the crane motions by variation of the hydraulic pumps, additionally by variation of the Diesel engine speed.
Winches 2 and 4	Hydraulically driven cable drums by axial piston variable displacement motor and planetary gear with spring-loaded, hydraulically releasable static brake. Wearfree braking function during lowering by closed oil circuits. Winch 2 – hoist gear, winch 4 – derrick gear. Auxiliary winch for reeving of cables.
Slewing gear	2 slewing gears (optionally 4), hydraulically powered by axial piston variable displacement motor and planetary gear with spring-loaded, hydraulically releasable static brake. Wearfree braking function by closed oil circuits.
Crane cabin	Spacious, all-steel construction cabin, swivelling sideways and tiltable backwards, with operating and control instruments. Self-contained warm-water heating (optionally air-conditioning system).
Safety devices	LICCON safe load indicator, hoist limit switches, electronic inclinometer, safety valves for the prevention of pipe and hose ruptures, anemometer.

Electrical system	24 V DC, 2 batteries of 170 Ah each.
Superstructure ballast	297700 lbs, consisting of 1 base slab of 33100 lbs and 12 slabs of 22050 lbs each.

Boom system

Light version

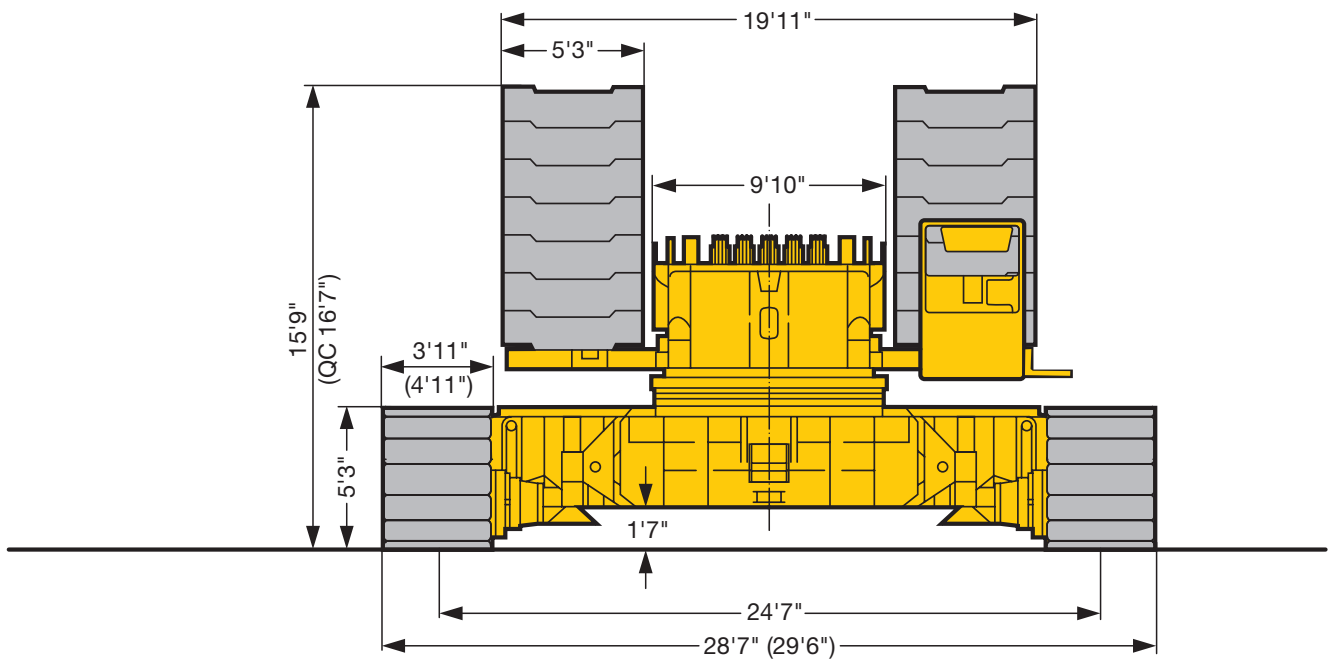
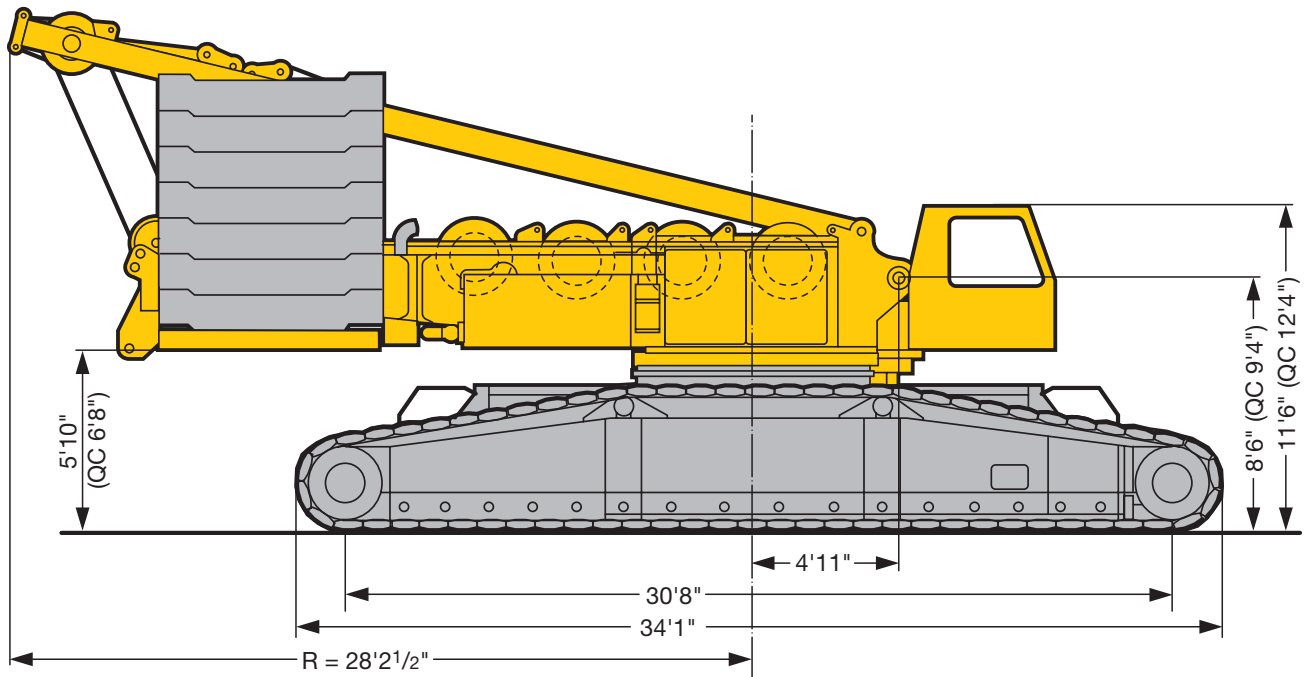
L – main boom	L 69 ft – 344 ft (L 344 ft only with derrick), system 2620.10 / 2620.8. Base section 44'. Intermediate sections 23' and 46', boom head adapter 23', 550 kips (optional 770 kips) head section 2', safety retaining ram.
LL – main boom	LL 161 ft – 344 ft, system 2620.10 / 2115.10. Base section 44', intermediate sections 23' and 46', LL-reducing section 9'10", head adapter 11'6", 286 kips head section 26'3", safety retaining ram.
N – luffing fly jib	N 69 ft – 299 ft, system 2115.10 / 1812.10, base section 31'2", intermediate sections 23' and 46', reducing section 11'6", 286 kips head section 26'3", retaining device, NA-frames 1 and 2.
F – fixed jib	F 34 ft – 126 ft, system 1812.10. Base section 31'2", intermediate sections 23' and 46', reducing section 11'6", 286 kips head section 26'3", retaining device, FA-frame.
D – derrick boom	D 92 ft, system 2125.20, base section 34'5", intermediate section 23', head section 34', derricking block, safety retaining ram.
B – suspended ballast	Suspended ballast pallet with compensating rams and hydraulic telescopic guiding device for max. 573000 lbs derrick ballast at max. 49'3" counter-radius.

Optional equipment

Winches 1, 3, 5 and 6	Winch 1 – hoist gear, winch 3-luffing main boom/D-mode, winch 5 – variation of luffing fly jib, winch 6-additional hoist gear.
Ballast	Superstructure ballast 341800 lbs, additionally 2 slabs of 22050 lbs each. Suspended ballast B 550000 lbs, 25 slabs of 22000 lbs each for a total of 573000 lbs derrick ballast.
Mechanical additional support	For the erection of long boom configurations without derrick ballast.
Hydraulic mounting supports	For raising the basic machine during assembly/disassembly.
Mounting rams crawler carriers	For self-assembly/disassembly of the crawler carriers by the crane.
Portable pin pulling device	For the assembly/disassembly of the pins of the crawler travel gear and the boom pin intermediate sections.
Quick Connection	Rapid coupling system to facilitate separation of the superstructure from the crawler travel gear.
Whip line	Whip line 79400 lbs to be fitted to L-, N-, S-, W-head. Whip line 132200 lbs to be fitted to L-, S- and W-head.

Further equipment items on request.

Dimensions

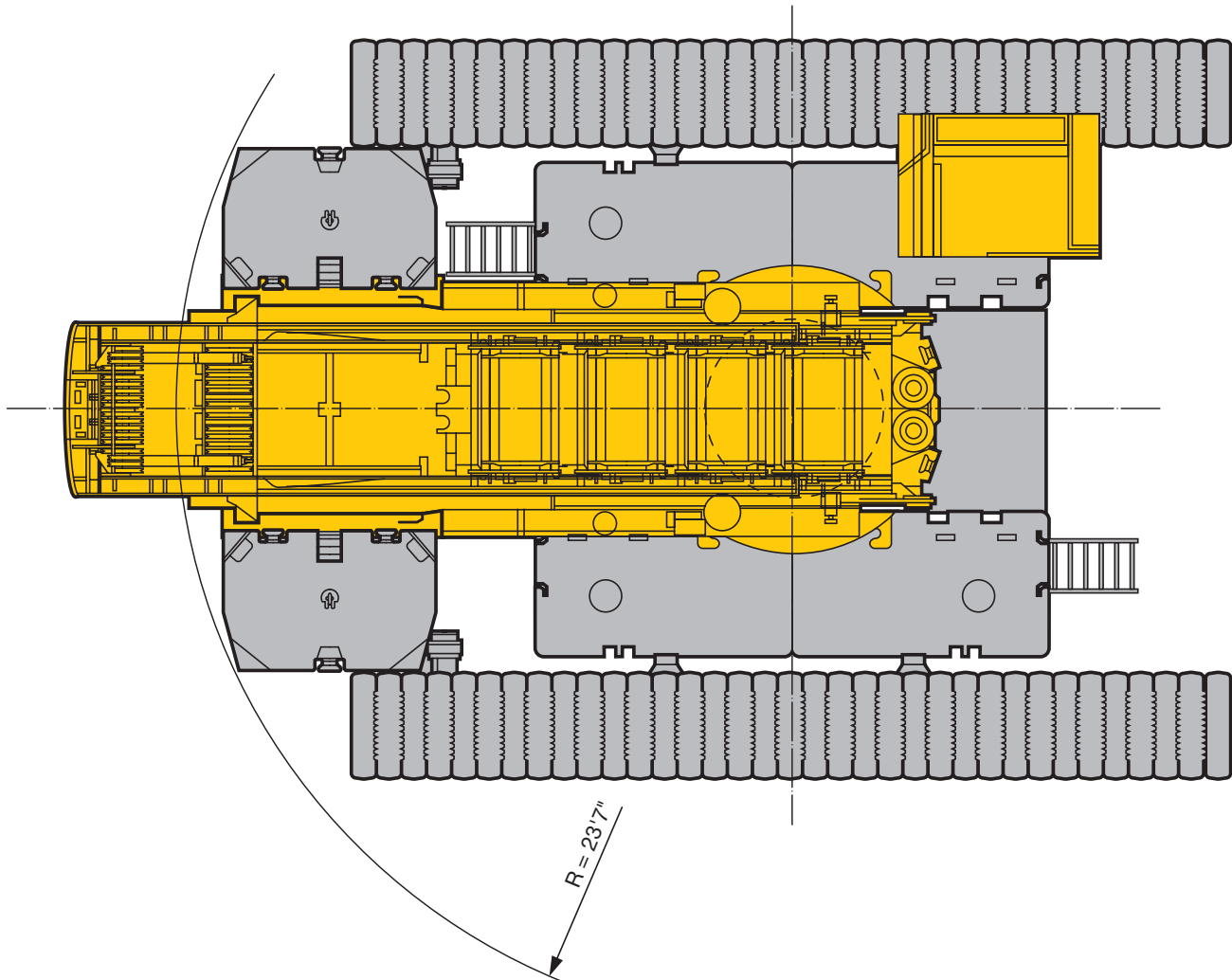


S1526

() Pad width 4'11"

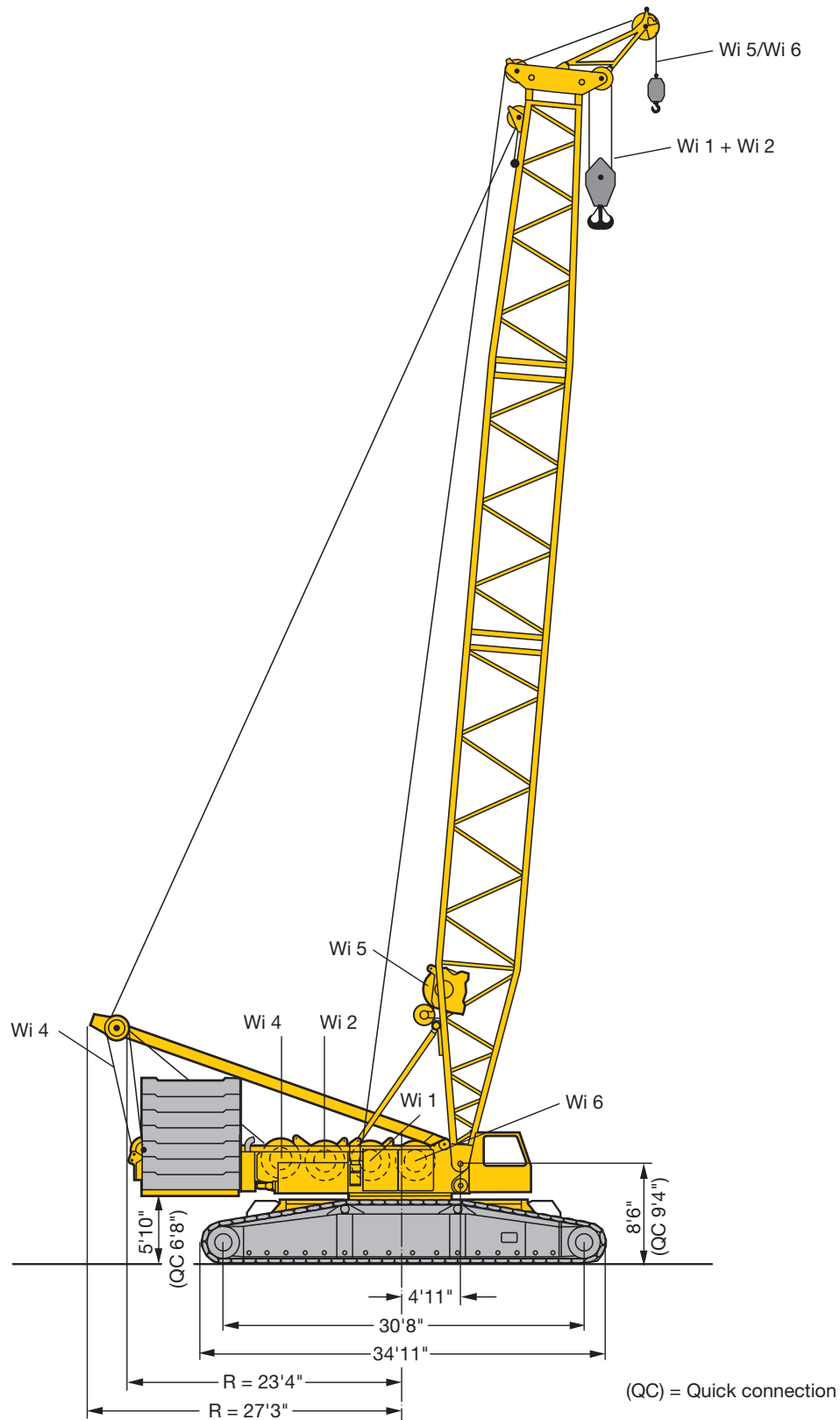
QC = Quick connection

Dimensions



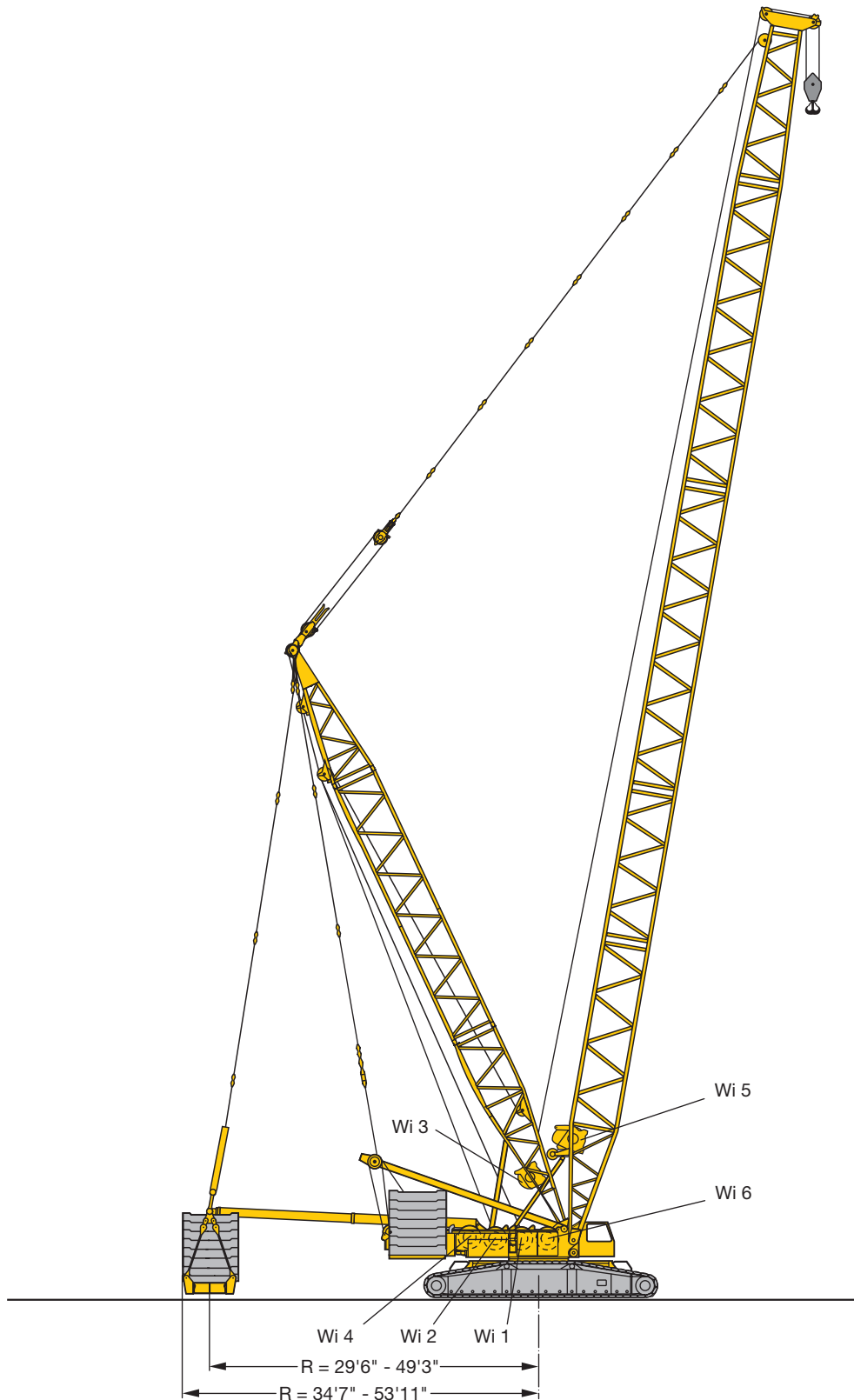
S1527

Dimensions



S1528

Dimensions



KS2239

Working speeds



	Driving force with one drive per crawler carrier	471870 lbs
	Total driving force with two drives per crawler carrier	769545 lbs
	Total weight with main boom L 69 ft, 297700 lbs counterweight, 94800 lbs central ballast and 176 kips hook block	661500 lbs
	Ground pressure at 661500 lbs total weight and 3'3" track pads	19.6 lbs/inch ²
		0 – 1.1

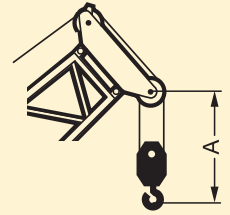


Drive	Mode	Speeds ft/min	Max. single line pull lbs	Rope diameter "	Rope length ft
	Hoist gear	0 – 440	27560	1"	2789
	Hoist gear	0 – 440	27560	1"	2789
	Derricking main boom/ D-operation	0 – 476	28660	1"	3051
	Derrick main boom	2 x 0 – 230	2 x 27560	1"	1903
	Derricking luffing fly jib	0 – 440	27560	1"	2461
	Hoist gear/Whipline	0 – 440	27560	1"	1640
	0 – 87°	approx. 4 min. for boom length 161 ft			
		0 – 1.2 rpm			

Hook blocks and hooks



Load (kips)	No. of sheaves	No. of lines	Weight lbs	Dimension A (ft)
880 (440)	2 x 9 (1 x 9)	2 x 19 (1 x 19)	17600 (11880)	17'5"
550 (275)	2 x 5 (1 x 5)	2 x 11 (1 x 11)	13200 (8360)	15'1"
352	7	15	7700	14'9"
176	3	7	5720	13'9"
79	1	3	3300	13'1"
26,4	–	1	1320	10'6"



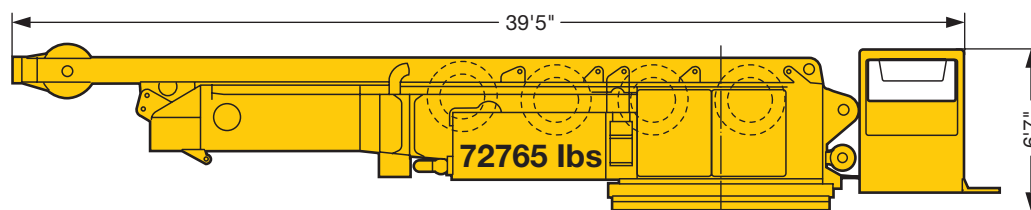
Reeving chart

No. of lines	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Max. capacity kips	26.4	52.9	79.4	105.8	130	156.5	180.7	205	227	249.1	273.3	293.2	315.2	335.1	357.1	377	394.6	415.5	438.7
26.4																			
79																			
176																			
275																			
352																			
440																			

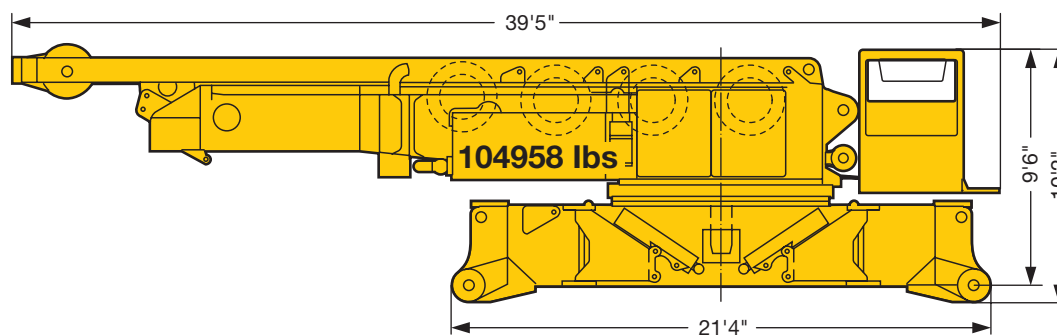
No. of lines	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8	2 x 9	2 x 10	2 x 11	2 x 12	2 x 13	2 x 14	2 x 15	2 x 16	2 x 17	2 x 18	2 x 19
Max. capacity kips	211.6	262.3	313	361.5	410	456.3	500.4	551.1	588.6	632.7	672.4	714.2	754	793.6	833.3	881.8
550/275																
880/440																

Transportation plan

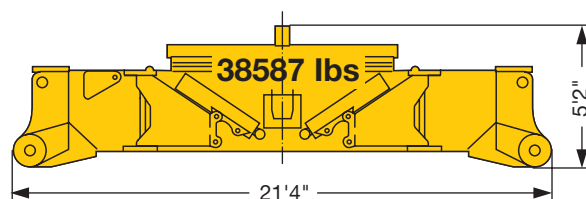
Superstructure with winch IV incl. rope and Quick Connection



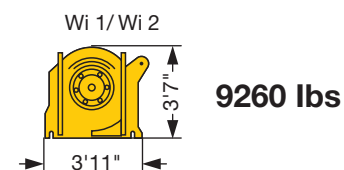
Superstructure with winch IV incl. rope and center section without Quick Connection



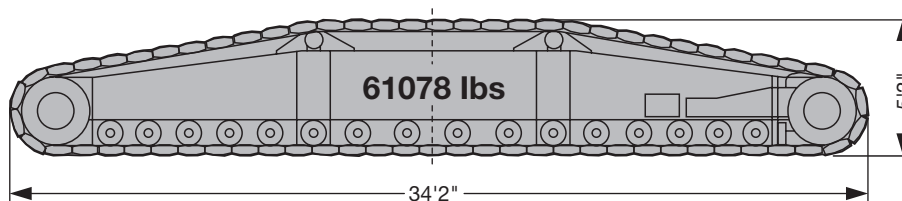
Crawler center section with Quick Connection



Winch 1/2 incl. rops



Crawler



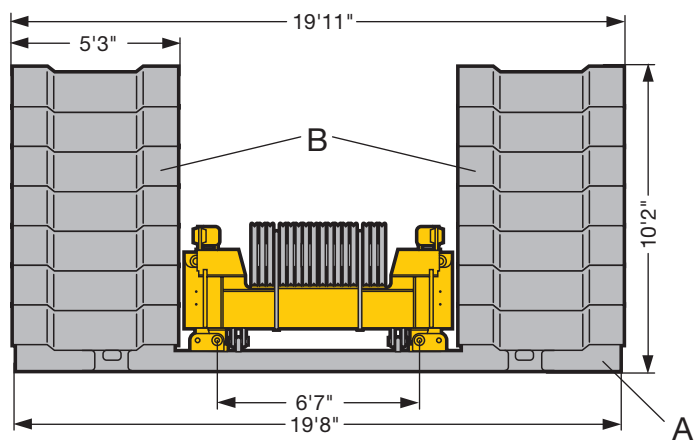
Wi = winch

S1530

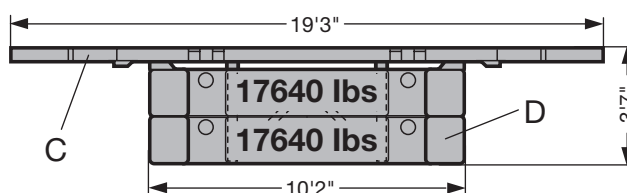
Transportation plan

Counterweight versions

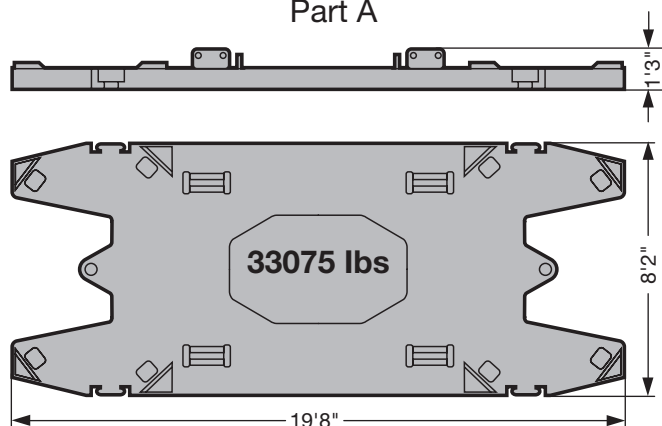
CWT at superstructure



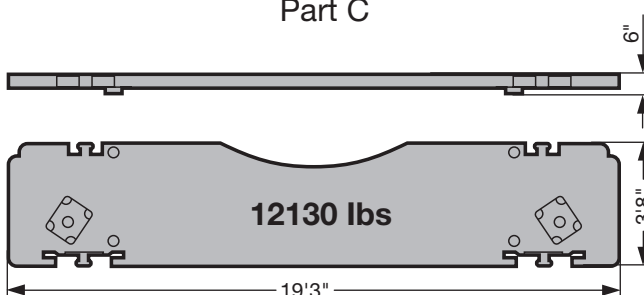
Central CWT



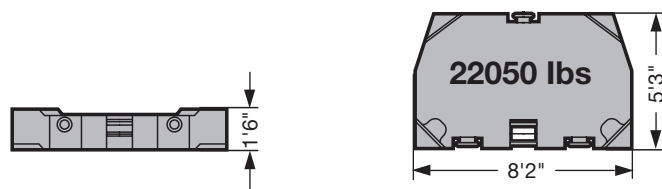
Part A



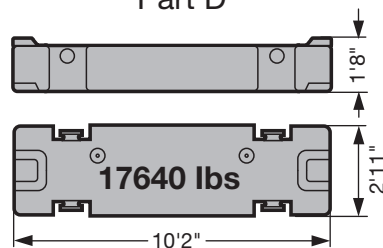
Part C



Part B



Part D



	Part A à 33075 lbs	Part B à 22050 lbs
297 kips	1 x	12 x
341 kips	1 x	14 x

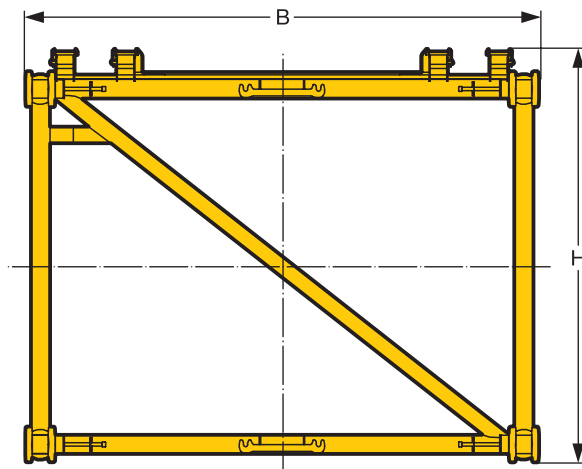
	Part C à 12130 lbs	Part D à 17640 lbs
24 kips	2 x	0 x
95 kips	2 x	4 x

S1531

Transportation plan

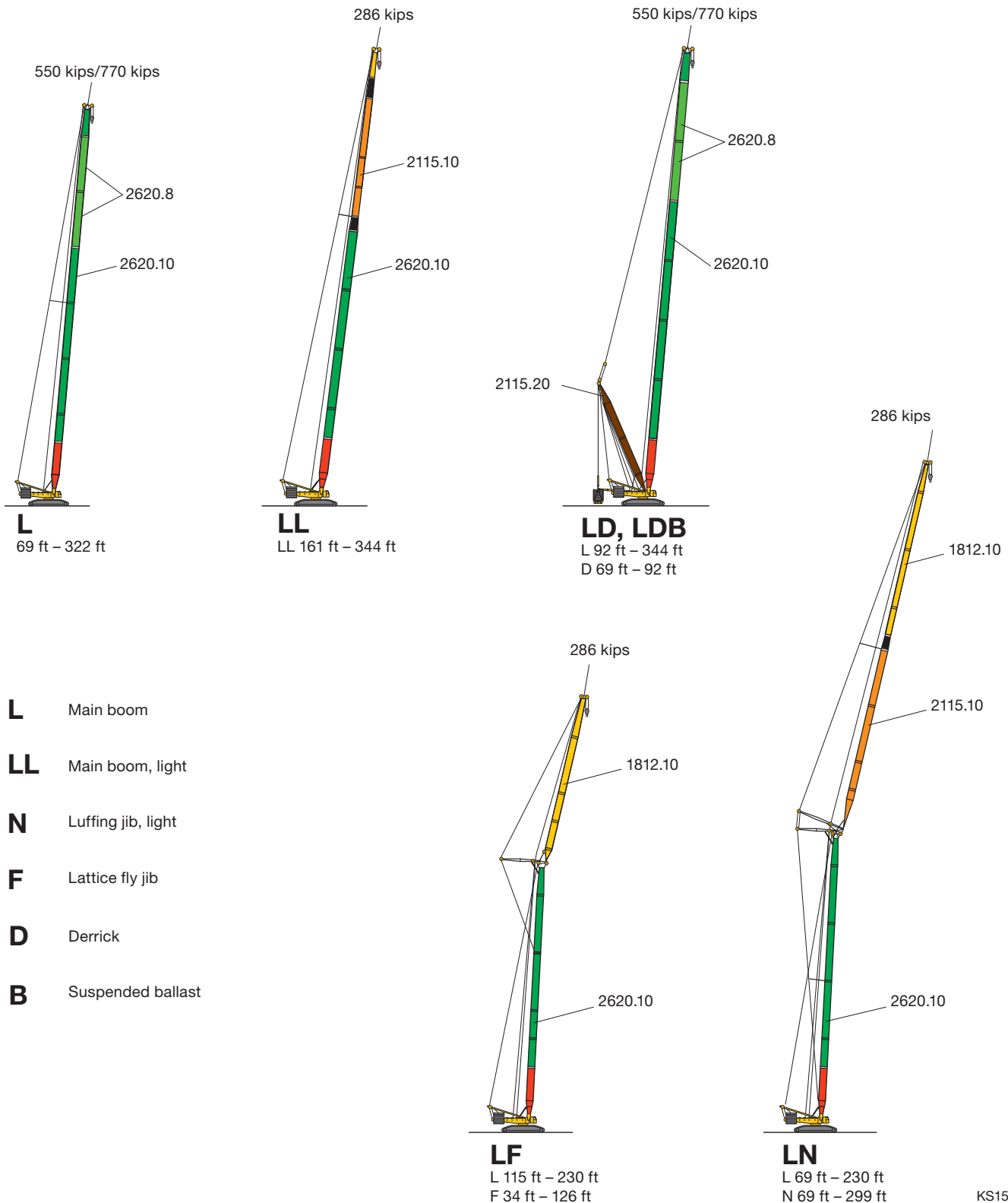
Boom intermediate sections		B x H	Base length	Transport length	Weight lbs*
LA 2620.10		9'2" x 7'10"	23'	24'3"	6400
			45'11"	47'3"	11900
LA 2620.8		9'2" x 7'10"	45'11"	47'3"	9700
NA 2115.10		7'7" x 5'11"	23'	24'3"	3300
			45'11"	47'3"	6200
NI 1812.10		6'7" x 4'11"	23'	24'3"	3000
			45'11"	47'3"	5500
D 2115.20		8'2" x 6'3"	23'	24'3"	5950
S 2620.20		9'2" x 7'10"	23'	24'3"	8160
			45'11"	47'3"	15200

* Weights incl. guy rods and bolts



Boom/jib combinations

Light weight design



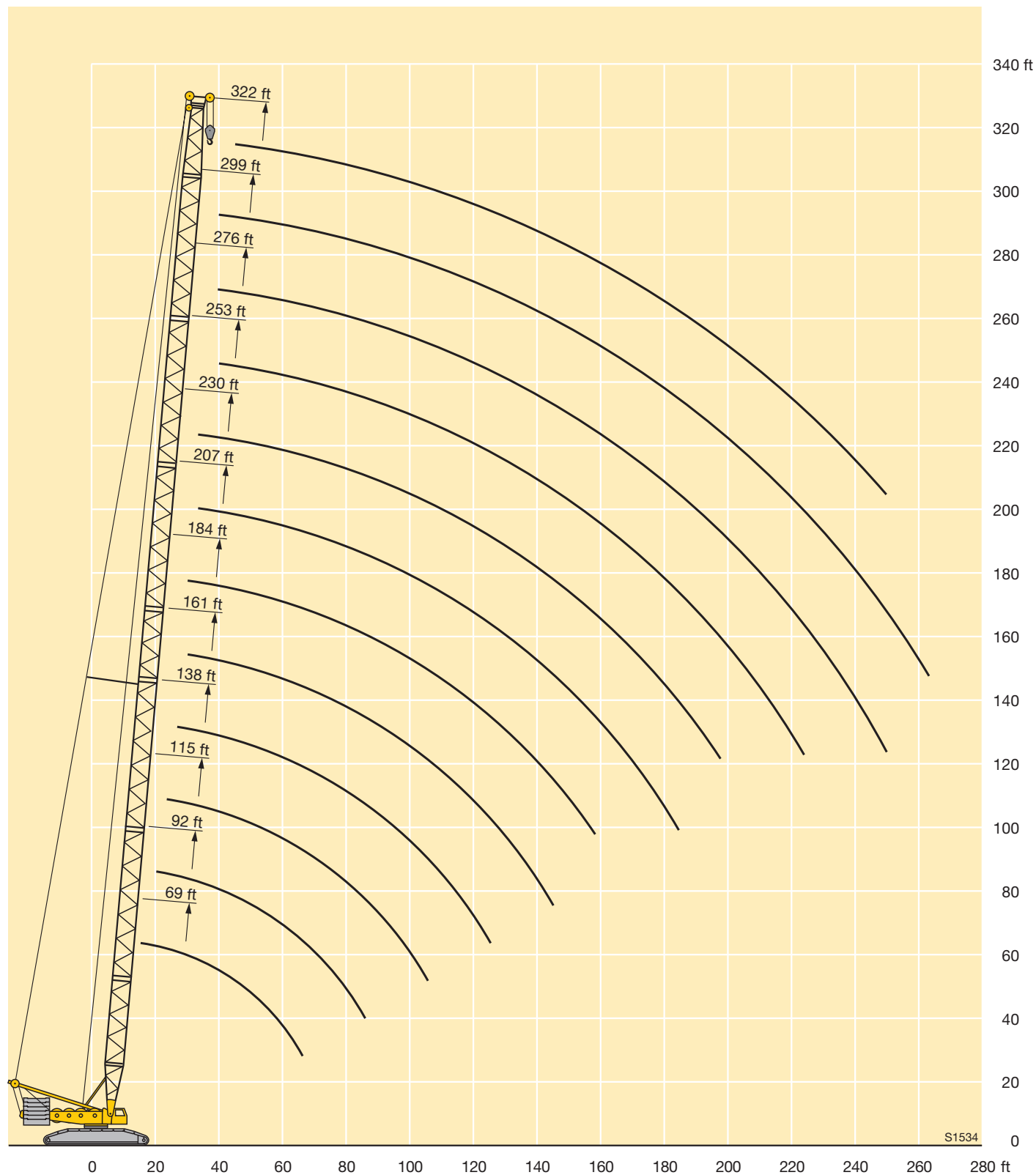
KS1532

Lifting capacities on L boom

														
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	322 ft	ft	
15	864												15	
16	790												16	
17	749												17	
18	728												18	
19	706												19	
20	681	655											20	
21	651	635											21	
22	623	611											22	
23	597	586	574	562									23	
24	576	565	553	548									24	
26	533	523	512	522									26	
28	497	488	500	489	469								28	
30	463	456	467	457	449	395							30	
32	431	428	439	430	421	389							32	
34	401	410	413	405	396	373	317	273					34	
36	373	381	387	383	372	352	312	268					36	
38	350	357	363	359	352	334	307	263	223				38	
40	329	335	341	337	332	316	299	258	219	182			40	
45	285	291	295	291	288	280	267	245	209	172			45	
50	252	257	260	256	254	250	239	226	199	163	150	128	50	
55	225	229	231	227	225	225	216	207	189	155	144	124	55	
60	202	205	207	204	201	204	196	188	178	146	138	119	60	
65	183	186	188	184	181	187	179	172	166	139	133	114	65	
70		171	172	168	165	170	165	158	153	131	127	110	70	
75		157	158	154	151	155	152	146	141	124	121	105	75	
80		145	145	142	139	141	140	135	131	118	116	100	80	
85		134	134	131	128	129	128	126	122	112	111	95	85	
90			124	122	119	119	118	117	113	106	104	91	90	
95			115	113	111	111	109	108	106	100	98	86.5	95	
100			108	105	103	103	101	100	99	95	91.5	82.5	100	
105				98	96.5	95.5	94.5	93	92.5	89	85.5	78.5	105	
110				92	90.5	89.5	88	86.5	86	83.5	80.5	74	110	
115				87	85	84	82.5	81	80.5	78.5	75.5	70.5	115	
120				82	80	78.5	77.5	75.5	75	73.5	71	67	120	
125					75.5	74	72.5	71	70.5	69	67	63	125	
130					71.5	69.5	68.5	66.5	66	64.5	63	59.2	130	
135					67.5	66	64.5	63	62	60.5	59.3	55.6	135	
140					64	62.5	61	59.3	58.6	57	55.8	52.1	140	
150						56.2	54.6	52.9	52.1	50.5	49.4	45.7	150	
160							49.1	47.2	46.4	44.7	43.5	39.9	160	
170							44.3	42.4	41.5	39.5	38.4	34.8	170	
180							40.3	38.1	37	35	33.9	30.3	180	
190								34.2	33	30.9	29.8	26.3	190	
200									29.4	27.3	26.1	22.5	200	
210									26.2	24	22.7	18.7	210	
220									23.4	21.1	19.9	14.5	220	
230										18.3	16.8	10.9	230	
240										15.3	13.4	8	240	
250											10		250	
260											7.5		260	

TAB 124088 / 124089

Lifting heights on L boom



Lifting capacities on LL boom

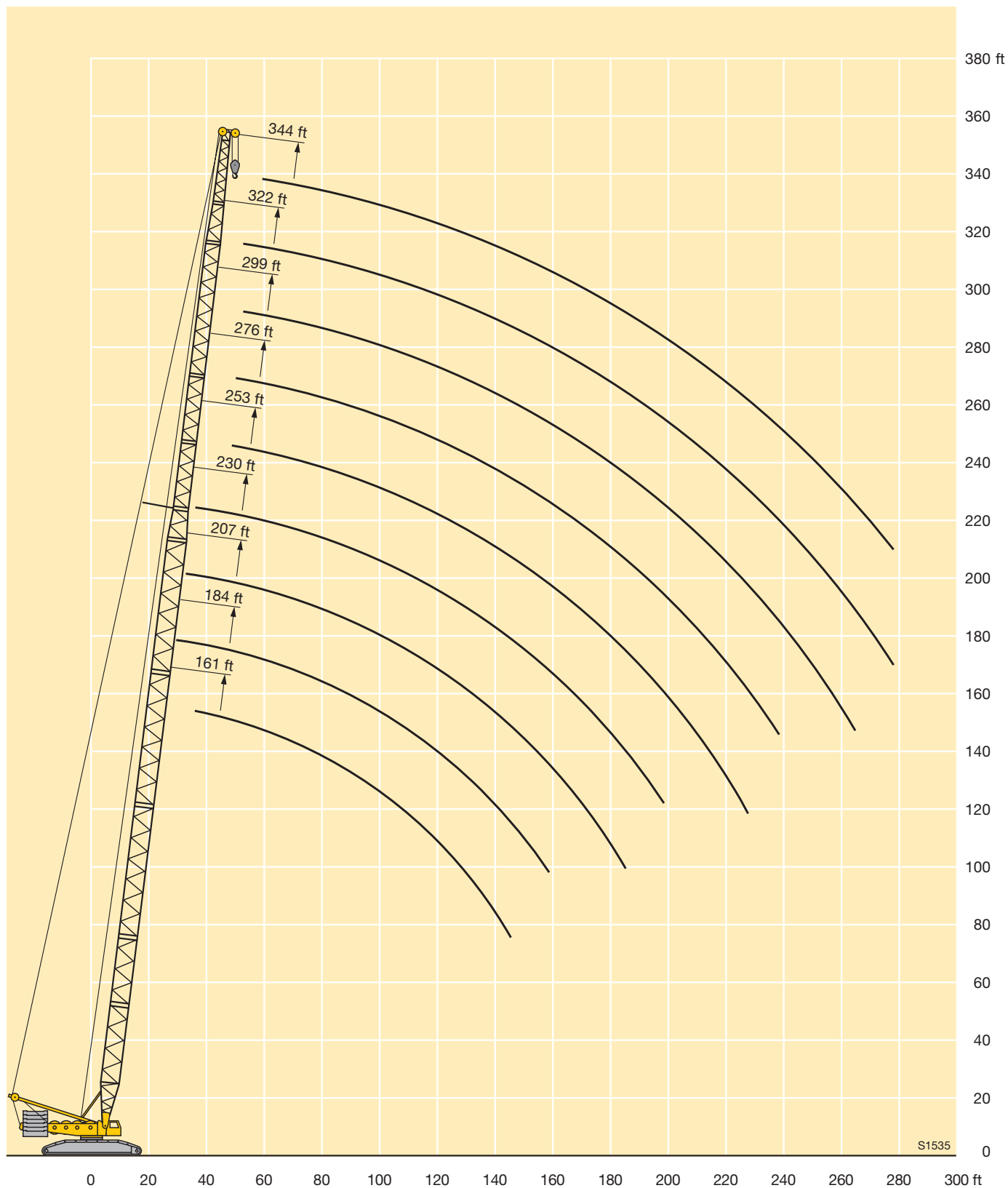
											
	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	322 ft	344 ft	ft	
30	287	268								30	
32	287	253								32	
34	287	241	198							34	
36	287	230	196							36	
38	272	220	192	186						38	
40	259	211	188	182	178					40	
45	236	189	178	174	169					45	
50	213	172	170	165	159	133				50	
55	194	156	161	157	150	127	118	93		55	
60	179	144	153	148	142	120	112	89.5	76.5	60	
65	167	134	144	140	133	114	107	85.5	72	65	
70	157	125	137	132	124	108	101	82	68.5	70	
75	149	117	130	124	116	103	95	78	65.5	75	
80	140	111	122	115	109	97	89	74	62.5	80	
85	131	106	117	108	102	91.5	84	71	59.7	85	
90	124	101	111	102	95	86.5	80	68	57.2	90	
95	118	96	106	95	89.5	82	75.5	65.5	55.2	95	
100	112	91.5	101	89	84.5	77.5	71.5	63	53.2	100	
105	105	87	96	84	79.5	73.5	67	60.5	50.7	105	
110	99	83	91.5	80.5	76	69.5	64	58.1	49	110	
115	93.5	78.5	87	76.5	72.5	66	60.5	55.6	47.3	115	
120	88	74.5	82.5	72.5	69.5	62.5	57.2	53.1	45.7	120	
125	83.5	70.5	79	69.5	66	59.4	53.9	50.6	44	125	
130	79.5	67	76	67	63.5	56.8	51.3	48.9	42.3	130	
135	75	64	72.5	64	60.5	54.3	49.1	46.9	40.6	135	
140	70	61	69	61.5	57.7	51.8	47	44.8	38.9	140	
150		55.1	63	56.7	52.3	47.2	43.3	41.1	36.1	150	
160			57.9	51.6	47.7	43.3	39.9	37.7	33.3	160	
170			53	46.6	44.3	39.9	36.6	34.4	30	170	
180			48.1	42.4	40.9	36.5	33.2	31	27.4	180	
190				38.2	37.6	33.2	30.4	28.2	24.9	190	
200					34.2	29.8	27.6	25.4	22.4	200	
210					30.9	26.5	24.2	22	19.8	210	
220					27.5	23.9	21.7	20	17.3	220	
230						21.4	19.2	17.7	14.8	230	
240							16.7	15.1	12.3	240	
250							14.2	12.4	9.8	250	
260							12.5	10.4	8.1	260	
270								8	5.8	270	

TAB 124095 / 124096

Remarks referring to load charts

- When calculating crane stresses and loads, German Industrial Standards (DIN) are applicable, in conformance with new German legislation (published 2/85). The lifting capacities (stability margin) DIN/ISO correspond to DIN 15019, part 2, and ISO 4305 (Tested load = 1.25 x lifting capacity + 0.1 x boom dead weight, reduced to the boom point). The crane's structural steel work is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2 and with F.E.M. regulations.
- Lifting capacities are given in metric tons.
- The weight of the load hook and hook blocks as well as of the lifting tackle must be deducted from the lifting capacities.
- The working radii are measured from the slewing centreline.
- Unless particularly specified, crane operation is permissible up to a dynamic pressure of 50 N/m², wind speed of 9 m/s. For further details in respect to wind speeds refer to the operating instructions.
- The subsoil must be even and of good bearing capacity.
- Subject to modification of lifting capacities.
- Loads above 771750 lbs, only with 972405 lbs head section.
- The crane can be displaced with suspended loads as stated in the load charts. Operating conditions must conform to the rules in the operating instructions.

Lifting heights on LL boom

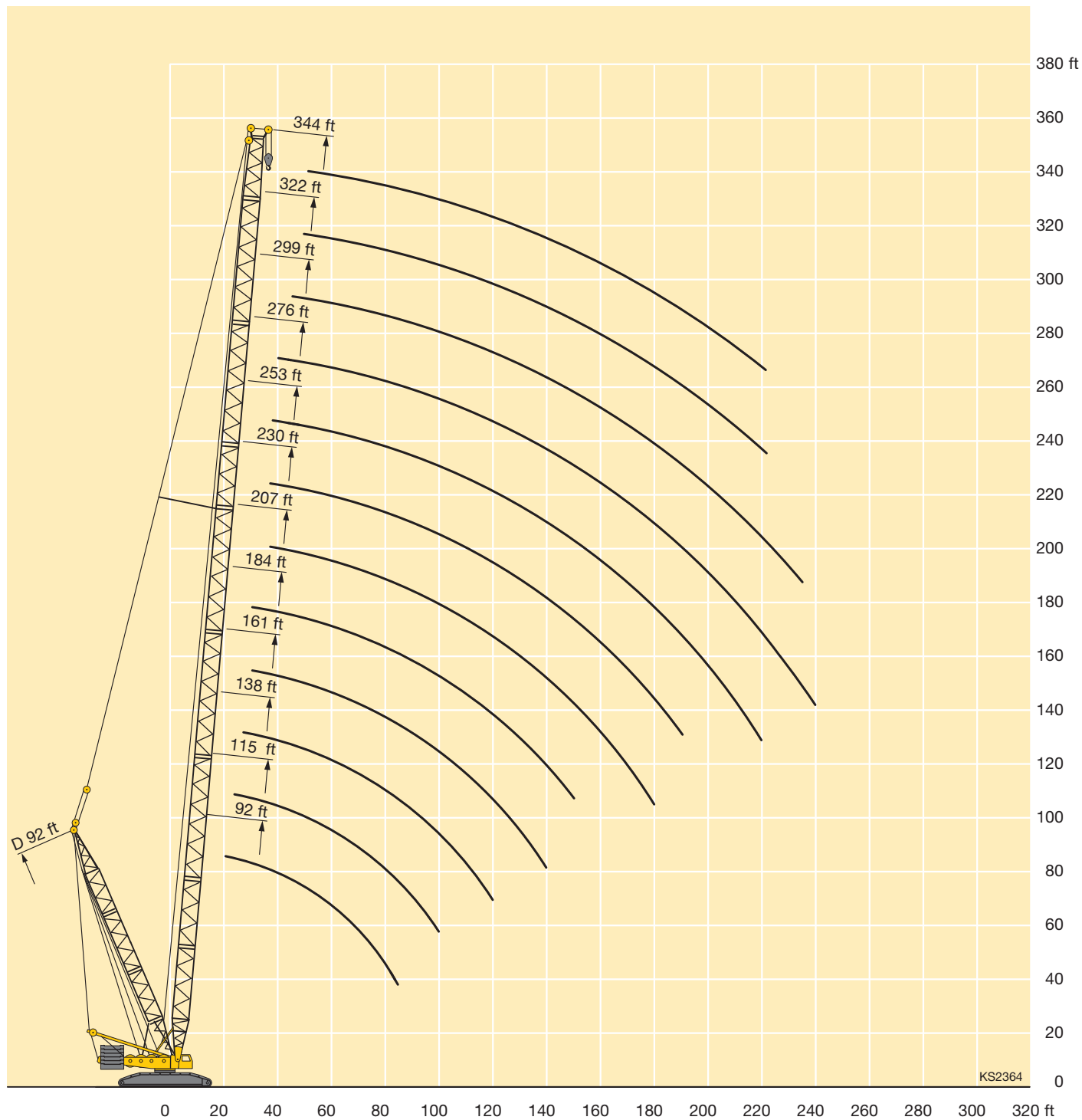


Lifting capacities on LD boom/derrick combination

92 ft - 344 ft 92 ft 360° 94800 lbs 341800 lbs 297700 lbs													
ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	322 ft	344 ft	ft
20	675												20
21	648												21
22	622												22
23	597	587	576										23
24	575	566	556										24
26	532	524	515										26
28	497	490	481	467									28
30	464	457	449	433	407								30
32	436	430	422	405	381								32
34	409	405	398	380	358	367	320						34
36	383	382	376	356	337	354	320						36
38	359	359	355	337	319	336	313	276					38
40	337	338	335	319	302	319	304	274	227				40
45	292	292	291	280	267	283	270	257	223				45
50	256	256	255	250	238	252	243	234	217	182	155		50
55	228	227	226	223	214	224	219	212	204	180	154	132	55
60	204	203	202	201	194	199	198	193	185	176	154	132	60
65	185	184	182	181	177	179	177	177	170	164	154	132	65
70	169	167	166	164	162	162	161	160	157	152	145	132	70
75	155	153	151	150	148	148	146	145	143	140	135	128	75
80	143	141	139	137	135	135	133	133	131	130	125	120	80
85	133	130	128	126	124	124	122	121	119	119	116	111	85
90		121	119	117	115	114	112	112	110	109	106	104	90
95		113	111	109	106	106	104	103	101	101	97.5	96	95
100		106	103	101	98.5	98	96	95	93	92.5	89.5	88.5	100
105			96.5	94	91.5	91	89	88	86	85.5	82.5	81.5	105
110			90.5	88.5	85.5	85	82.5	82	80	79.5	76	75	110
115			85.5	83	80	79.5	77	76	74	73.5	70.5	69	115
120			80.5	78	75	74	72	71	68.5	68	65	63.5	120
125				73	70.5	69.5	67	66	64	63	60	58.8	125
130				69	66	65	62.5	61.5	59.4	58.8	55.8	54.4	130
135				65.5	62.5	61	58.9	57.8	55.5	54.8	51.8	50.4	135
140				62	58.8	57.6	55.2	54.1	51.7	51	48	46.5	140
150					52.5	51	48.5	47.4	45	44.1	41.1	39.6	150
160						45.3	42.7	41.5	39	38.1	35.1	33.5	160
170						40.4	37.7	36.4	33.8	32.9	29.8	28.1	170
180						36.2	33.4	32	29.3	28.3	25.2	23.5	180
190							29.5	28	25.3	24.2	21.1	19.4	190
200								24.5	21.7	20.6	17.4	15.5	200
210								21.3	18.4	17.2	14.1	11.7	210
220								18.6	15.6	14.3	11.2	8.9	220
230									13	11.6			230
240									10.8				240

TAB 124102 / 124103

Lifting heights on LD boom/derrick combination



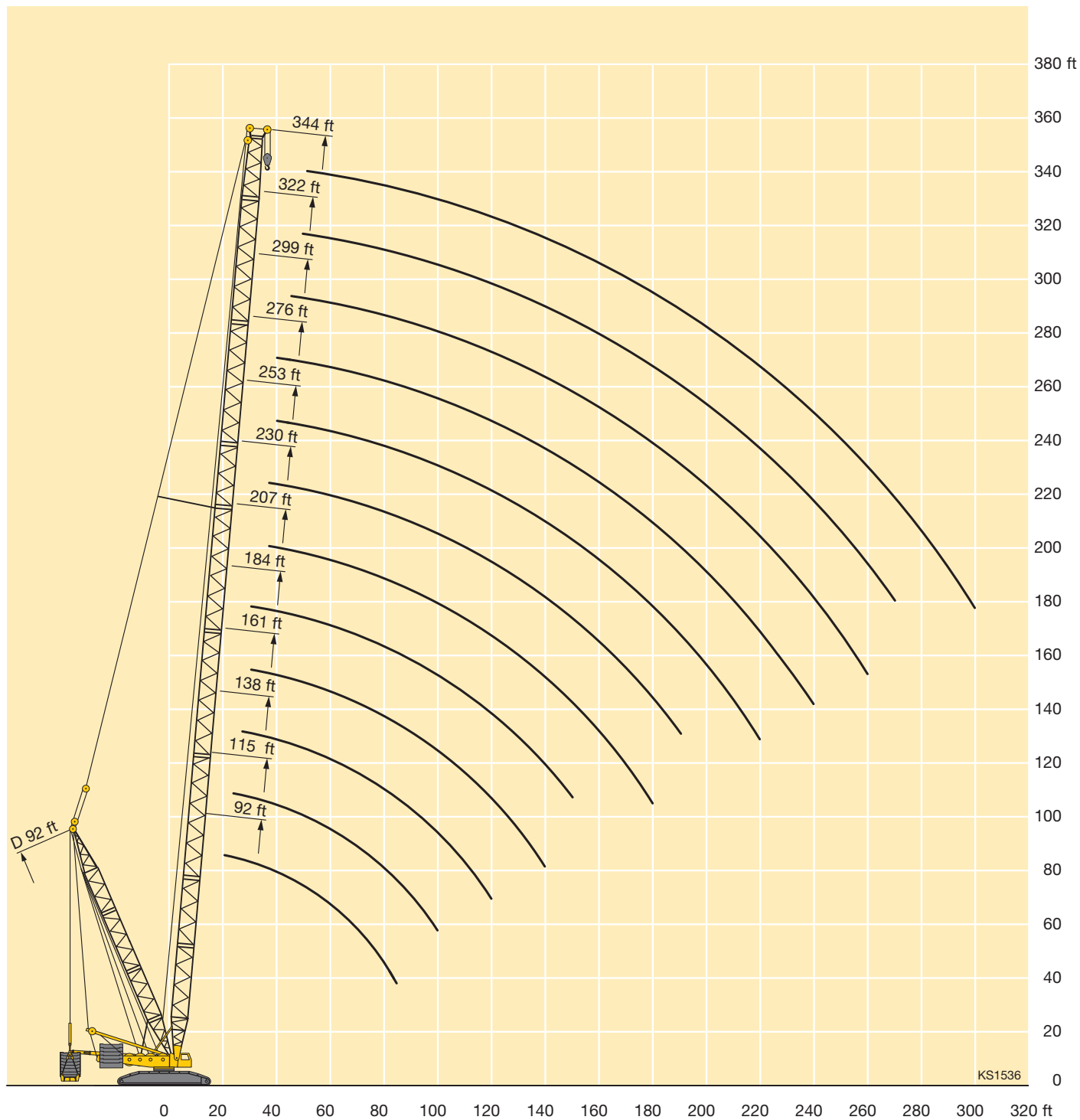
Lifting capacities on LDB boom/derrick combination

														
	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	322 ft	344 ft		
20	772												20	
21	772												21	
22	772												22	
23	771	661	595										23	
24	751	661	595										24	
26	710	661	595										26	
28	682	647	595	529									28	
30	657	632	593	529	474								30	
32	640	622	585	529	474								32	
34	625	612	579	528	474	375	320						34	
36	611	604	573	525	473	375	320						36	
38	602	596	566	522	472	375	320	276					38	
40	592	588	556	517	472	375	319	276	227				40	
45	566	565	522	491	470	373	317	276	223				45	
50	540	535	492	464	455	372	314	273	220	182	155		50	
55	508	506	465	438	435	370	311	269	217	180	154	132	55	
60	467	479	441	415	412	366	308	266	215	178	154	132	60	
65	418	455	419	394	391	351	305	262	212	175	154	132	65	
70	375	421	399	376	372	335	303	258	209	173	153	132	70	
75	336	389	379	358	355	320	297	255	205	170	152	132	75	
80	300	360	359	342	339	305	288	251	202	167	152	132	80	
85	269	332	334	327	324	291	274	248	199	165	152	132	85	
90		305	313	310	310	280	262	244	197	162	151	132	90	
95		279	294	293	293	268	252	236	194	157	150	131	95	
100		256	276	275	275	257	241	225	191	151	149	130	100	
105			261	259	260	247	232	217	187	145	148	128	105	
110			247	245	245	238	223	209	180	140	144	126	110	
115			232	231	231	227	215	201	174	134	141	123	115	
120			217	219	219	217	207	193	167	129	138	120	120	
125				210	210	209	200	186	161	125	134	117	125	
130				200	201	199	193	180	155	120	131	113	130	
135				191	192	191	187	174	150	117	128	111	135	
140				182	183	183	181	168	145	113	124	108	140	
150					168	169	168	158	135	107	117	103	150	
160						156	156	148	127	102	109	98	160	
170						146	146	139	119	95	104	93	170	
180						136	136	131	112	90	99	88	180	
190							127	124	104	85.5	94	84	190	
200								117	96.5	81.5	88.5	80.5	200	
210								111	88	77	82.5	76	210	
220								103	83	74	78.5	72	220	
230									78	70.5	73.5	69	230	
240									73	67.5	69.5	66	240	
250										65	66	62.5	250	
260										60.5	62.5	59.3	260	
270											59.2	55.9	270	
280												52.5	280	
290												49.3	290	
300												46.8	300	

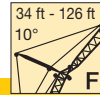
TAB 124106 / 124108

TAB 124106 / 124108

Lifting heights on LDB boom/derrick combination



Lifting capacities on LF boom/jib combination

    																
ft	115 ft					138 ft					161 ft					ft
	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	
34	287					287					278					34
36	287					287					273					36
38	287	273				287					272					38
40	287	269				286	237				270	215				40
45	287	256				280	226				259	206				45
50	266	244	208			255	216	183			240	198	166			50
55	242	230	199	169		230	207	175	152		219	190	159			55
60	218	213	190	166	127	208	198	168	145	119	199	183	153	132	114	60
65	195	195	182	160	128	190	186	161	140	119	181	176	148	127	111	65
70	176	177	174	153	128	173	172	155	135	118	167	164	142	122	107	70
75	160	162	162	148	128	158	158	149	130	114	154	152	137	118	103	75
80	146	148	149	142	126	144	146	143	125	110	142	141	133	114	100	80
85	134	136	137	137	122	132	134	135	120	107	130	131	128	110	97	85
90	124	125	127	128	117	122	124	125	116	103	120	122	121	106	93.5	90
95	115	116	118	119	113	113	115	116	112	99.5	111	113	114	103	90.5	95
100	107	108	110	111	109	105	106	108	108	96	103	105	106	99.5	87.5	100
105	99.5	101	102	103	104	97	99	101	102	93	95.5	97.5	99.5	96.5	84.5	105
110	93	94.5	96	97	97.5	91	92.5	94	95.5	90	89	91.5	93	93	82	110
115	87.5	88.5	90	91	91.5	85	87	88.5	89.5	87	83.5	85.5	87	88	79.5	115
120	82	83.5	84.5	85.5	86.5	80	81.5	83	84	84	78	80	81.5	82.5	77	120
125	77.5	78.5	80	80.5	81.5	75	76.5	78	79	80	73.5	75	76.5	77.5	75	125
130	73	74	75.5	76.5	77	71	72	73.5	74.5	75.5	69	71	72	73	72.5	130
135		70.5	71.5	72.5	73	67	68.5	70	71	71.5	65	67	68	69	69.5	135
140		66.5	68	68.5	69	63.5	64.5	66	67	67.5	61.5	63	64.5	65	66	140
150		60	61	62	62.5	56.7	58	59.3	60	61	54.8	56.5	57.7	58.4	59.2	150
160			55.4	56	56.5		52.2	53.4	54.3	54.9	49.1	50.6	51.8	52.4	53.2	160
170			50.3	50.9	51.4		47.2	48.4	49.1	49.8	44.1	45.6	46.6	47.3	48	170
180				46.6	47			44	44.7	45.3		41.2	42.3	42.8	43.5	180
190				42.6	43			40.1	40.8	41.3		37.2	38.3	38.8	39.5	190
200					39.5				37.2	37.7			34.7	35.2	35.8	200
210					36.3				34	34.5				31.7	32.4	210
220					33.5				30.9	31.5				28.7	29.3	220
230										28.7				25.9	26.5	230
240															23.9	240
250															21.5	250
260															19.3	260

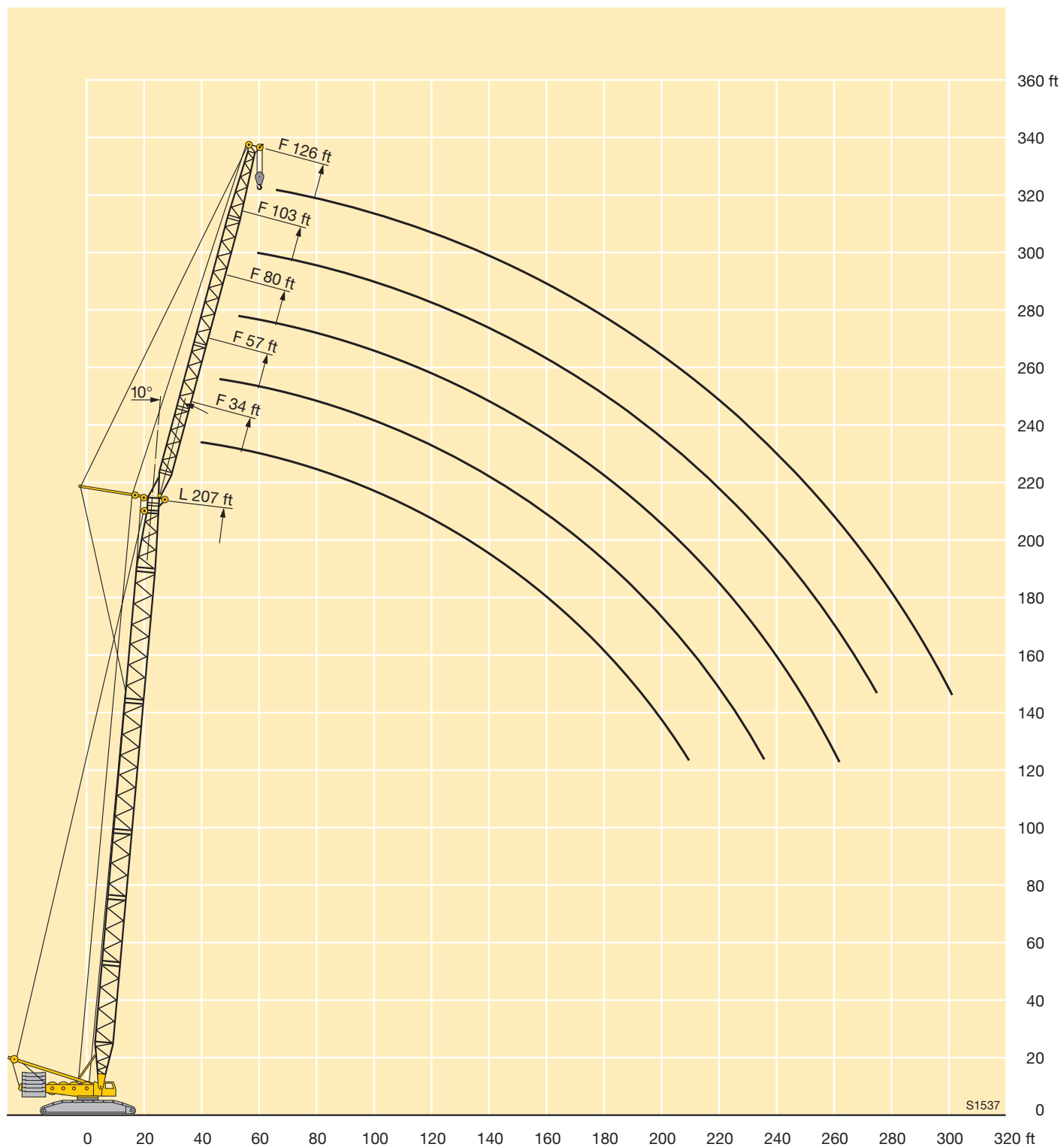
TAB 124241

Lifting capacities on LF boom/jib combination

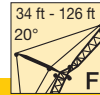
    														
 ft	184 ft					207 ft					230 ft			 ft
	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	
38	247													38
40	244					223								40
45	239					216								45
50	226	183				211	169				192			50
55	209	177	147			200	164	136			186	151	126	55
60	190	171	142	121		181	159	132	112		173	147	122	60
65	173	165	137	117		166	154	127	109		159	143	119	65
70	159	156	133	113	99	152	148	124	105	91.5	146	140	115	70
75	147	145	128	110	96	140	139	120	102	88.5	134	133	112	75
80	136	135	124	106	93	130	129	117	99	86	124	124	110	80
85	126	125	120	103	90	120	120	113	96.5	83.5	115	115	107	85
90	117	117	115	99.5	87	112	112	110	93.5	81.5	107	107	104	90
95	109	109	109	96.5	84.5	104	104	104	90.5	79	99.5	100	99	95
100	101	102	102	93.5	82	97.5	97.5	97.5	88	76.5	93	93	93	100
105	94	96	96	91	79.5	91	91.5	91	85.5	74.5	86.5	87	87	105
110	87.5	89.5	90.5	88	77	85.5	86	86	83	72	81	82	82	110
115	81.5	83.5	85	84.5	74.5	80	80.5	80.5	79.5	70	76	76.5	77	115
120	76.5	78	80	80	72.5	74.5	76	76	75.5	68.5	71.5	72	72.5	120
125	71.5	73	75	75.5	70.5	70	71.5	71.5	71.5	66.5	67	67.5	68	125
130	67	69	70.5	71.5	68.5	65.5	67	67.5	67.5	64.5	63	64	64	130
135	63	65	66.5	67.5	66	61.5	63.5	64	64	62.5	59.3	60	60.5	135
140	59.5	61	63	63.5	63.5	57.8	59.6	60.5	60.5	59.7	55.8	56.7	57.3	140
150	52.9	54.4	56	56.9	57.7	51.2	52.8	54.1	54.2	54.3	49.3	50.4	51	150
160	47.1	48.5	50.1	50.9	51.8	45.3	46.9	48.2	48.6	48.7	43.3	44.8	45.5	160
170	42.1	43.4	44.9	45.7	46.5	40	41.7	43	43.6	43.8	37.9	39.7	40.5	170
180	37.5	38.9	40.5	41.2	42	35.4	37	38.3	38.9	39.3	33.2	35	36.2	180
190	33.4	34.8	36.3	37	37.9	31.2	32.7	34.1	34.6	35.1	29	30.7	32.1	190
200		31	32.5	33.2	34.1	27.5	28.9	30.2	30.8	31.2	25.2	26.8	28.2	200
210			29	29.7	30.5		25.5	26.7	27.2	27.7	21.8	23.3	24.7	210
220			26	26.6	27.4		22.5	23.6	24.2	24.6	18.9	20.3	21.6	220
230			23.1	23.7	24.5		19.7	20.8	21.4	21.7	16.2	17.5	18.8	230
240				21.1	21.9			18.3	18.8	19.1		14.9	16.2	240
250				18.7	19.4			15.9	16.4	16.7			13.7	250
260				16.5	17.2			13.8	14.2	14.5			11.4	260
270					15.2				12.2	12.4			9.4	270
280										10.4				280
290										8.7				290
300										7.5				300

TAB 124241

Lifting heights on LF boom/jib combination



Lifting capacities on LF boom/jib combination

    																
ft	115 ft					138 ft					161 ft					ft
	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	
38	287															38
40	286					256					232					40
45	279					246					224					45
50	265					238					217					50
55	244	206				226	180				210	163				55
60	220	199	168			211	174	145			202	158	130			60
65	197	192	162			193	168	140			184	153	126			65
70	177	179	156	134		175	163	135			169	149	122			70
75	161	164	150	129		160	157	131	113		156	144	119	102		75
80	147	150	144	124	108	146	149	127	109	96	144	140	115	98.5		80
85	135	138	139	119	105	133	137	123	106	93	132	134	112	95.5		85
90	125	128	129	114	101	123	127	120	103	90.5	122	125	109	93	81	90
95	116	118	121	110	97	114	117	116	99.5	87.5	113	116	106	90.5	78.5	95
100	107	110	112	106	93	106	109	111	97	85	104	107	103	88	76.5	100
105	100	103	105	102	89.5	98.5	101	103	94	82.5	97	100	100	85.5	74.5	105
110	93.5	96	98	98	86	92	95	97	91.5	80.5	90.5	93.5	95	83.5	72.5	110
115	88	90	92	93	83	86	89	91	89	78	84.5	87.5	89.5	81	70.5	115
120	82.5	85	86.5	88	80	81	83.5	85.5	86	76	79	82	84	79	68.5	120
125	77.5	80	81.5	83	77.5	76	78.5	80.5	81.5	74	74.5	77	79	77	66.5	125
130	73.5	75.5	77.5	78.5	75	71.5	74	76	77	72	70	72.5	74.5	75	65	130
135		71.5	73.5	74.5	72.5	67.5	70	72	73	70	66	68.5	70	72	63.5	135
140		67.5	69.5	70.5	70	64	66	68	69	68.5	62	64.5	66.5	68	62	140
150		61	62.5	63.5	64.5	57.2	59.4	61	62	63	55.5	57.7	59.4	61	58.9	150
160			56.6	57.5	58.3		53.4	55.0	56	57.1	49.7	51.7	53.3	54.8	55.5	160
170			51.3	52.2	53		48.2	49.7	50.7	51.7	44.6	46.5	48	49.4	50.2	170
180			46.8	47.6	48.4			45.2	46.1	47.1		42	43.5	44.8	45.6	180
190				43.5	44.3			41.1	42	42.9		37.9	39.4	40.6	41.4	190
200					40.6				38.2	39.2			35.6	36.9	37.6	200
210					37.2				34.9	35.8			32.1	33.4	34.2	210
220					34.2				31.7	32.7			28.9	30.1	30.9	220
230										29.8				27.1	27.9	230
240										27					25.2	240
250															22.6	250
260															20.2	260

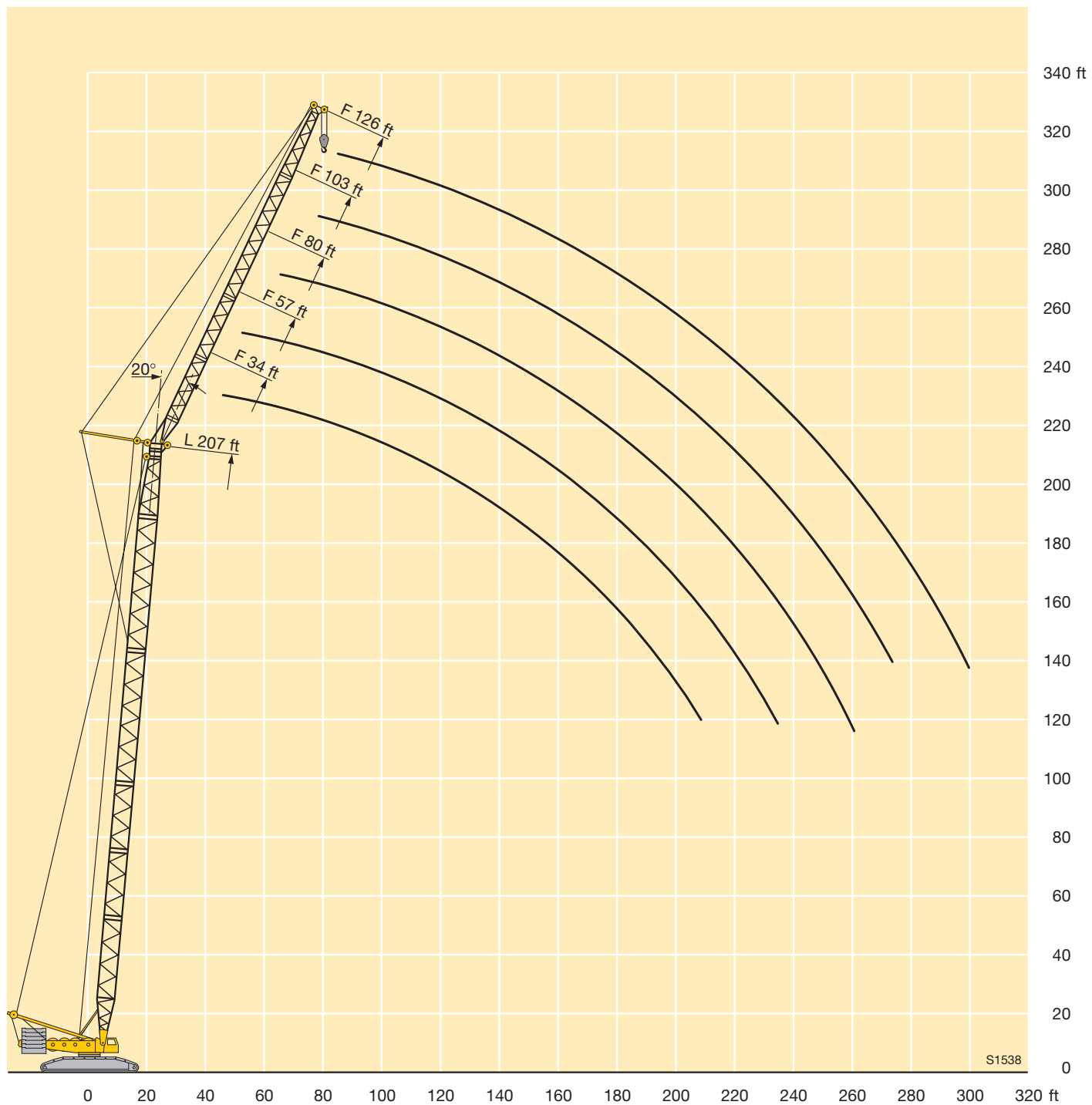
TAB 124244

Lifting capacities on LF boom/jib combination

 ft	 184 ft - 230 ft 87°	 34 ft - 126 ft 20°	 360°	 341800 lbs	 94800 lbs											 ft
	184 ft					207 ft					230 ft					
	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft	126 ft	34 ft	57 ft	80 ft	103 ft		
50	200					186					171				50	
55	195	151				181	140				167				55	
60	188	146				176	136				164	127			60	
65	176	142				168	132				160	123			65	
70	163	138	113			155	129	105			149	120	98		70	
75	150	135	110	93		143	126	102			137	118	95.5		75	
80	139	131	107	90.5		132	123	99.5	84		127	115	93.5	78.5	80	
85	129	128	104	88		123	120	97	82		118	113	91.5	77	85	
90	120	120	101	85.5	74.5	114	114	94.5	80	69	109	109	89.5	75	90	
95	111	113	98.5	83.5	72.5	107	108	92.5	78	67	102	104	87.5	73	95	
100	103	106	96	81.5	70.5	99.5	101	90	76	65.5	95	96.5	85.5	71.5	100	
105	95.5	98.5	94	79	69	93	94.5	88	74	64	89	90.5	83.5	70	105	
110	89	92	91.5	77	67	87.5	89	86	72.5	62.5	83.5	85	81.5	68.5	110	
115	83.5	86	87.5	75.5	65.5	81.5	83.5	83.5	70.5	61	78	80	79.5	67	115	
120	78	80.5	83	73.5	63.5	76	78.5	79.5	69	59.4	73	75	76.5	65.5	120	
125	73	75.5	77.5	71.5	62	71	74	75	67.5	58	68.5	70.5	72	64	125	
130	68.5	71	73	70	60.5	66.5	69.5	71	66	56.6	64.5	66.5	68	62.5	130	
135	64.5	67	69	68	59.1	62.5	65	67	64	55.3	61	62.5	64	61	135	
140	61	63	65	65.5	57.7	59	61.5	63.5	62.5	54.1	57.3	59.2	60.5	59.5	140	
150	54	56.2	58	59.4	55.1	52.2	54.4	56.4	57.6	51.7	50.6	52.7	54	54.8	150	
160	48.1	50.1	51.9	53.2	52.3	46.2	48.3	50.2	51.7	49.4	44.5	46.8	48.2	49	160	
170	43	44.9	46.6	47.8	49	40.9	43.1	44.9	46.2	47.1	38.9	41.4	43.1	43.9	170	
180	38.3	40.3	42	43.1	44.4	36.2	38.3	40.2	41.4	42.4	34.1	36.5	38.5	39.4	180	
190	34.1	36	37.8	38.9	40.2	31.9	33.9	35.9	36.9	37.9	29.9	32.1	34.2	35.2	190	
200			32.1	33.8	35.1	36.3	28.1	30	31.8	32.9	33.9	26	28.1	30.1	31.4	200
210			28.5	30.2	31.3	32.6		26.4	28.2	29.3	30.2	22.5	24.5	26.4	27.8	210
220			25.3	27	28.1	29.4		23.3	25	26	26.9	19.4	21.3	23.2	24.5	220
230				24	25.1	26.3		20.4	22	23	23.9	16.6	18.4	20.2	21.4	230
240					22.3	23.5			19.3	20.3	21.1		15.7	17.4	18.6	240
250					19.7	20.9			16.7	17.8	18.5		13.2	14.9	15.9	250
260					17.4	18.5			14.5	15.4	16.2		11	12.6	13.2	260
270						16.3				13.3	14			10.4	10.8	270
280						14.2					11.8				8.7	280
290											9.7				7.2	290
300											8.3				5.7	300

TAB 124244

Lifting heights on LF boom/jib combination



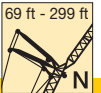
Lifting capacities on LN boom/jib combination

		 69 ft - 92 ft 87°										 69 ft - 299 ft 87°				 360°		 341800 lbs		 94800 lbs															
	ft	69 ft												92 ft													ft								
		69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft												
40		284											276												40										
45		267											260												45										
50		250	232	213									244	222											50										
55		232	218	204	182								229	210	195										55										
60		214	205	195	175	156							213	199	187	162	145								60										
65		193	195	186	168	151							196	190	179	157	141								65										
70		176	179	175	160	146	123						179	181	171	152	137	115							70										
75		159	164	163	153	141	120	102					163	170	164	147	133	112	93.5						75										
80			151	150	146	136	117	100	83.5	68				157	155	142	129	109	91.5	79					80										
85			139	138	138	131	114		97.5	81.5	67			145	146	137	125	107	89.5	77.5					85										
90			131	129	128	126	111		95.5	80	65.5	54.2		135	136	132	121	104	87.5	76	63				90										
95			121	120	120	119	108	93	78.5	64.5	53.3	40.3		126	126	125	117	101	85.5	74.5	61.5	51.3	39.2		95										
100				112	112	111	105	91	76.5	63	52.4	39.5			118	118	113	98.5	83.5	72.5	60.5	50.4	38.5		100										
105				105	105	104	102	88.5	75	62	51.4	38.7			110	110	109	96	81.5	71	59.4	49.5	37.7		105										
110				100	99	98	97	86	73.5	60.5	50.5	37.9			105	104	103	93	79.5	69.5	58.3	48.7	36.9		110										
115				94.5	93.5	92.5	91.5	84	71.5	59.5	49.6	37.2			99	97.5	97	90.5	77.5	68	57.2	47.8	36.2		115										
120					88	87.5	86.5	81.5	70	58.2	48.6	36.4				92	92	88	75.5	66.5	56	46.9	35.4		120										
125					83.5	83	82	79.5	68	57	47.7	35.6				87	87	85	73.5	65	54.9	46	34.7		125										
130					80	78.5	77.5	76.5	66.5	55.8	46.8	34.8				83.5	82.5	81.5	71	63.5	53.7	45.2	33.9		130										
135					75	75	74	73	65	54.5	45.8	34				78.5	78.5	77.5	69	62	52.6	44.3	33.2		135										
140					69.5	71	70.5	69.5	63	53.3	44.9	33.2				72.5	74.5	74	67	60	51.4	43.4	32.4		140										
150					65	64	63	59.8	50.8	43	31.7						68	67	63	57.1	49.2	41.7	30.9		150										
160							58.4	57.4	56.1	48.4	41.2	30.1						61	59	53.9	46.9	40	29.4		160										
170							54.1	52.5	51.5	45.9	39.3	28.5						56.7	54.9	50.8	44.6	38.2	27.9		170										
180							49.1	48.1	47.3	43.5	37.5	27						51.1	50.5	47.7	42.3	36.5	26.4		180										
190								44.6	43.5	41	35.6	25.4							46.5	44.5	40	34.7	24.9		190										
200								41	40.2	38.6	33.7	23.8							42.5	41.4	37.7	33	23.3		200										
210									37.6	36.1	31.8	22.3								38.3	35.4	31.3	21.8		210										
220									34.8	33.4	30	20.7								35.1	33.2	29.5	20.3		220										
230									31	28.1	19.1										30.9	27.8	18.8		230										
240										28.8	26.2	17.6									28.6	26	17.3		240										
250											24.4	16										24.3	15.8		250										
260											22.5	14.4										22.6	14.3		260										
270											20.7	12.9										20.8	12.8		270										
280												11.3											11.2		280										

TAB 124110

TAB 124110

Lifting capacities on LN boom/jib combination

																							
 ft	115 ft											138 ft											 ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	
40	272											243											40
45	257											232											45
50	242	217										222	195										50
55	228	207	188									211	187	169									55
60	213	197	182	158								200	180	163	143								60
65	198	188	175	153								189	173	158	138								65
70	181	180	168	148	133	110						178	165	152	134	121							70
75	165	170	162	144	130	108	89.5					166	158	147	130	117	100	84					75
80		159	154	139	126	105	87.5	74.5					151	141	126	114	97.5	82	70				80
85		147	146	134	122	103	85.5	73					143	135	122	111	95.5	80.5	69				85
90		136	137	130	119	100	83.5	72	60.5				136	130	118	108	93	78.5	67.5	56.4			90
95		126	128	125	115	97.5	82	70.5	59.6	50.2			128	124	114	104	90.5	77	66	55.4	48		95
100			120	119	111	95	80	69	58.6	49.3	37.3			118	109	101	88	75	64.5	54.4	47.1	36.2	100
105			113	113	107	92.5	78	67.5	57.5	48.5	36.5			113	105	98	86	73.5	63.5	53.4	46.3	35.4	105
110			107	107	104	90	76	66	56.4	47.7	35.8			107	101	94.5	83.5	71.5	62	52.3	45.5	34.7	110
115			99	101	99.5	87.5	74.5	64.5	55.3	46.8	35.1			100	97	91.5	81	70	60.5	51.3	44.6	34	115
120			89.5	95.5	94.5	85	72.5	63.5	54.3	46	34.4			92.5	93	88	78.5	68	59.2	50.3	43.8	33.3	120
125				91	89.5	82.5	70.5	62	53.2	45.1	33.6				89	85	76.5	66.5	57.8	49.3	42.9	32.5	125
130				85.5	85.5	80	68.5	60.5	52.1	44.3	32.9				84.5	81.5	74	64.5	56.5	48.3	42.1	31.8	130
135				79	81.5	77.5	67	59.1	51	43.5	32.2				79	78.5	71.5	63	55.1	47.3	41.3	31.1	135
140				72.5	77.5	75	65	57.7	50	42.6	31.5				73.5	75.5	69	61	53.7	46.3	40.4	30.4	140
150				69	69.5	61	54.8	47.8	40.9	30					69	64.5	57.5	51	44.3	38.7	28.9	150	
160					64	57.4	52	45.7	39.3	28.6						59.8	54	48.2	42.3	37.1	27.5	160	
170					57.7	53.6	49.2	43.5	37.6	27.1						55	50.5	45.5	40.3	35.4	26	170	
180					50.6	49.9	46.4	41.4	35.9	25.7						50.3	46.9	42.7	38.2	33.7	24.6	180	
190						46.1	43.5	39.2	34.2	24.2							43.4	40	36.2	32	23.1	190	
200						41.9	40.7	37.1	32.5	22.8								39.9	37.2	34.2	30.3	21.7	200
210							37.9	34.9	30.9	21.3									34.5	32.2	28.7	20.2	210
220							35.1	32.8	29.2	19.9									31.7	30.2	27	18.8	220
230								30.6	27.5	18.4										28.2	25.3	17.3	230
240								28.5	25.8	17										26.1	23.6	15.9	240
250									24.1	15.5											21.9	14.4	250
260									22.5	14.1											20.3	13	260
270									20.8	12.6											18.6	11.5	270
280										11.2												10.1	280

TAB 124111

TAB 124110

Lifting capacities on LN boom/jib combination

161 ft - 184 ft 87° 69 ft - 299 ft 360° 341800 lbs 94800 lbs																							
ft	161 ft												184 ft										ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	
50	212											179											50
55	202	177	156									172	152										55
60	191	170	151	132								164	146	132	114								60
65	181	163	146	128								157	141	128	111								65
70	170	157	141	124	112							150	136	124	108	97							70
75	160	150	136	121	109	95.5						142	131	120	105	94.5	82.5						75
80		143	131	117	106	93.5	79						125	116	102	92.5	81	68					80
85		136	126	113	103	91	77.5						120	112	99	90	79	66.5					85
90		129	121	110	101	89	75.5	65	52.1				115	108	96	87.5	77	65	56.3				90
95		122	116	106	97.5	86.5	74	63.5	51.2	45.8			110	104	93.5	85	75	63.5	55.2	46.9			95
100		114	111	103	95	84.5	72	62.5	50.3	45	34		104	100	90.5	82.5	73.5	62.5	54.1	46.1	39.5		100
105			106	99	92	82	70.5	61	49.5	44.2	33.3			96	87.5	80	71.5	61	53	45.3	38.8	30.9	105
110			101	95.5	89	80	69	59.8	48.6	43.5	32.6			92	84.5	78	69.5	59.4	51.9	44.5	38.1	30.2	110
115			95.5	92	86	77.5	67	58.5	47.7	42.7	32			88	81.5	75.5	67.5	58	50.8	43.7	37.4	29.6	115
120			90.5	88	83.5	75.5	65.5	57.3	46.9	41.9	31.3			84	78.5	73	66	56.6	49.7	42.9	36.7	29	120
125				84.5	80.5	73	64	56	46	41.1	30.6				75.5	70.5	64	55.1	48.6	42.1	36	28.4	125
130					81	77.5	70.5	62	54.7	45.1	40.3	30			72.5	68	62	53.7	47.5	41.3	35.4	27.7	130
135					77	74.5	68.5	60.5	53.4	44.2	39.6	29.3			69.5	65.5	60	52.3	46.4	40.5	34.7	27.1	135
140					73.5	72	66	58.8	52.1	43.4	38.8	28.6			66.5	63.5	58.3	50.9	45.3	39.7	34	26.5	140
150					66	61.5	55.4	49.6	41.6	37.2	27.3					58.5	54.6	48	43.2	38.1	32.6	25.2	150
160					59.9	57.1	52.1	47	39.9	35.7	26					53.6	50.8	45.1	41	36.4	31.3	23.9	160
170					52.5	52.5	48.7	44.5	38.1	34.1	24.6					48.8	47.1	42.3	38.8	34.8	29.9	22.7	170
180					48	45.3	41.9	36.4	32.6	23.3							43.3	39.4	36.6	33.2	28.5	21.4	180
190						42	39.3	34.6	31	22								36.6	34.4	31.6	27.1	20.2	190
200						38.6	36.8	32.9	29.4	20.6								33.7	32.2	30	25.8	18.9	200
210							34.2	31.1	27.9	19.3									30	28.4	24.4	17.6	210
220							31.7	29.4	26.3	18									27.8	26.8	23	16.4	220
230							29.1	27.6	24.8	16.6									25.6	25.2	21.7	15.1	230
240								25.9	23.2	15.3										23.6	20.3	13.9	240
250									21.6	14											18.9	12.6	250
260									20.1	12.7											17.6	11.3	260
270									18.5	11.3											16.2	10.1	270
280										10												8.8	280

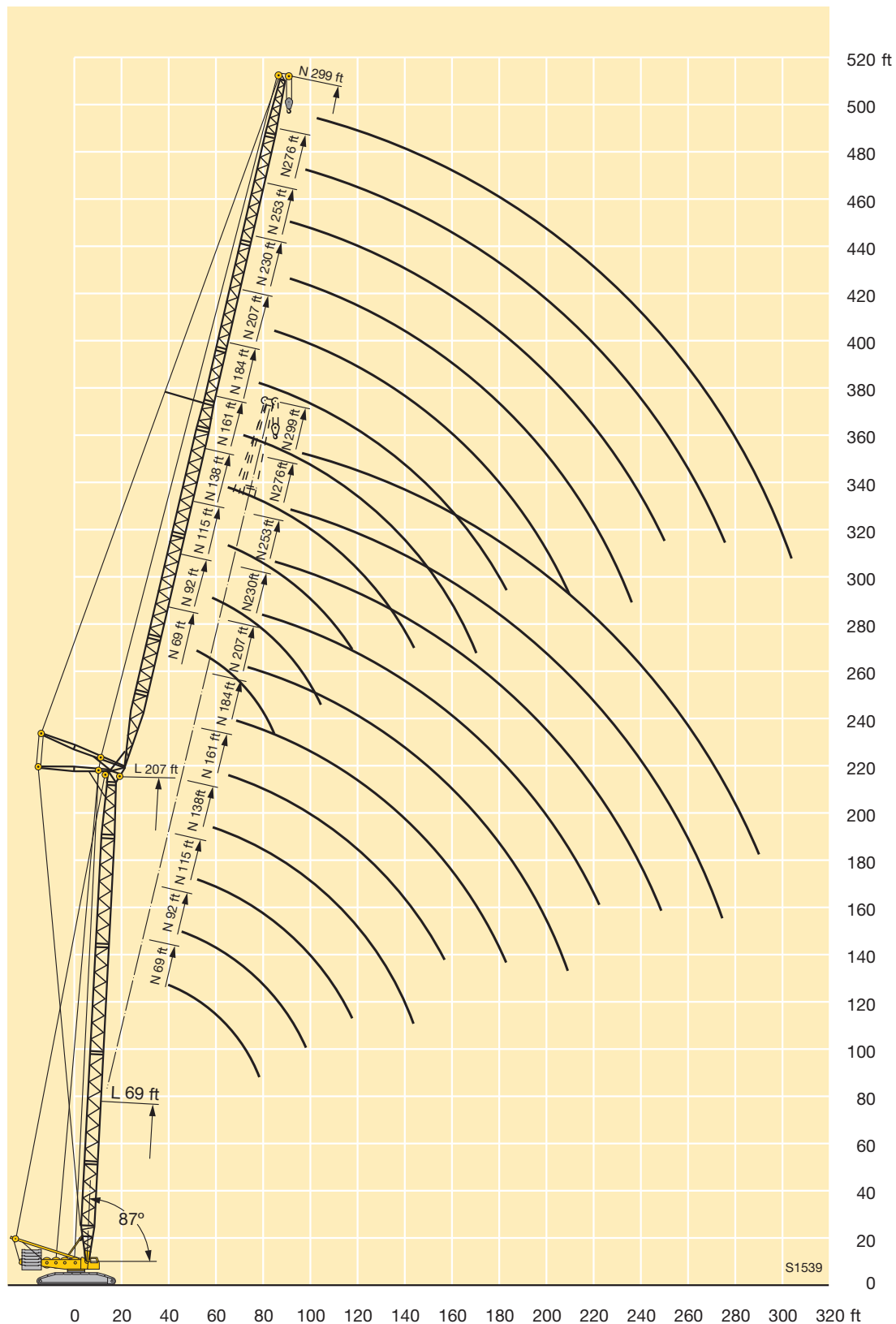
TAB 124110

Lifting capacities on LN boom/jib combination

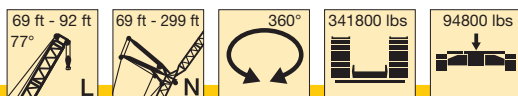
 ft	    										 ft									
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	
50	159																			50
55	153	135										115								55
60	147	130	116									112	97.5							60
65	142	126	113									108	95							65
70	136	122	110	97								105	92.5	82						70
75	131	118	107	94.5	82.5							102	90	80	69.5					75
80	125	114	104	92	81	71.5	61.5					98.5	87.5	77.5	68.5	59.2				80
85	119	109	101	89.5	79	69.5	60					95	85	75.5	67	58.1				85
90		105	98	87	77	68	58.9	49.8				91.5	82.5	73.5	65.5	56.9	50.9			90
95		101	95	84.5	75	66.5	57.6	48.9	43.6			88.5	80	71.5	64	55.8	49.8	43.6	37	95
100		97	92	82	73	65	56.4	47.9	42.8	37.3		85	77.5	69.5	62.5	54.6	48.8	42.7	36.3	100
105			89	79.5	71.5	63.5	55.1	47	42.1	36.6	28.7		75	67	61	53.5	47.8	41.9	35.7	105
110			86	77	69.5	62	53.9	46	41.3	36	28.1		72.5	65	59.5	52.3	46.8	41.1	34.9	110
115			83	74.5	67.5	60	52.6	45.1	40.5	35.3	27.5		70	63	58.1	51.2	45.8	40.2	34.2	115
120			80	72	65.5	58.7	51.3	44.1	39.8	34.7	26.9		67.5	61	56.6	50	44.8	39.4	33.5	120
125				69.5	63.5	57.1	50.1	43.2	39	34	26.3			58.8	55.2	48.8	43.7	38.5	32.9	125
130				67	62	55.5	48.8	42.2	38.2	33.4	25.7			56.7	53.7	47.7	42.7	37.7	32.1	130
135				64	59.9	53.9	47.6	41.3	37.5	32.7	25.1			54.6	52.3	46.5	41.7	36.9	31.4	135
140				61.5	57.9	52.4	46.3	40.3	36.7	32.1	24.5			52.5	50.8	45.4	40.7	36	30.7	140
150					54.1	49.2	43.8	38.4	35.1	30.7	23.4				47.9	43.1	38.7	34.3	29.3	150
160					50.3	46.1	41.3	36.5	33.6	29.4	22.2				45	40.8	36.6	32.7	27.9	160
170					46.5	42.9	38.7	34.6	32.1	28.1	21				42.1	38.5	34.6	31	26.5	170
180						39.8	36.2	32.7	30.5	26.8	19.8					36.1	32.6	29.3	25.2	180
190							33.7	30.8	29	25.5	18.7						30.5	27.6	23.7	190
200							31.2	28.9	27.5	24.2	17.5						28.5	25.9	22.3	200
210								27	25.9	22.9	16.3							24.3	20.9	210
220								25.1	24.4	21.6	15.1							22.6	19.6	220
230								23.2	22.8	20.3	14							20.9	18.1	230
240									21.3	19	12.8								16.7	240
250										17.7	11.6									250
260										16.4	10.4									260
270										15.1	9.3									270
280											8.1									280
290											6.9									290
300											5.7									300

TAB 124110

Lifting heights on LN boom/jib combination



Lifting capacities on LN boom/jib combination



 ft	69 ft											92 ft											 ft	
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft		
60	227																						60	
65	204																						65	
70	186											183											70	
75	170	169										168	166										75	
80	156	156	154									154	153										80	
85	145	144	143									143	142										85	
90	135	134	133	132								133	132	131									90	
95		126	124	124								125	124	123	122								95	
100		118	117	116	115								116	115	114								100	
105		111	110	109	108	107							109	108	107	106							105	
110		105	104	103	102	101							103	102	101	100							110	
115			98	97.5	96.5	95.5	89						97.5	96.5	95.5	94.5	93.5						115	
120			93	92.5	91.5	90.5	87							91.5	90.5	89.5	88.5						120	
125			88.5	87.5	86.5	85.5	84.5	75						87	86	85	84	82.5					125	
130			84.5	83.5	82.5	81.5	80.5	73.5						83	82	81	80	79					130	
135				80	79	78	77	72	56.5						78.5	77.5	76	75.5	69				135	
140				76.5	75.5	74.5	73.5	70.5	55.4						75	74	73	72	68				140	
150				70	69	68	67	66	53.3	45.4					68.5	67.5	66.5	65.5	64.5	52.4			150	
160					63.5	62.5	61.5	60.5	51.1	43.7	37.1					62	61	60	59.6	50.3	43.7		160	
170					58.8	57.7	56.6	55.8	49	42	35.4					57.5	56.4	55.4	54.9	48.3	42		170	
180					53.6	53.6	52.6	51.7	46.8	40.3	33.7					53.5	52.3	51.3	50.9	46.2	40.3	32.7	180	
190						49.9	48.9	47.9	44.7	38.6	32						48.7	47.7	47.2	44.1	38.6	31.2	190	
200							45.4	44.4	42.5	37	30.3						45.5	44.4	43.9	41.9	37	29.6	200	
210							41.8	40.9	40.1	35.3	28.7							41.5	41	39.1	35.3	28.1	210	
220							39.2	37.9	37.1	33.6	27							38.9	38.4	36.5	33.6	26.6	220	
230								35	34.3	31.9	25.3								36	34.1	31.9	25	230	
240								32.5	31.7	30.1	23.7								33.8	32	30.2	23.5	240	
250									29.4	27.9	22.1									30	28.5	21.9	250	
260									27.6	25.8	20.6										28.3	26.6	20.4	260
270										23.8	19.1										26.7	25	18.8	270
280										22.2	17.5											23.4	17.3	280
290											16											21.8	15.8	290
300											14.4											20.2	14.2	300
310											12.9												12.7	310

TAB 124112

Lifting capacities on LN boom/jib combination

																								
	115 ft											138 ft												
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft		
75	164																							75
80	152	149										146												80
85	140	139										137												85
90	131	130	127									128	125											90
95	122	121	120									120	118	114										95
100		114	113	111								112	112	108	105									100
105		107	106	105	101								105	103	99.5									105
110		101	100	99.5	96.5								99	98	95									110
115		96	94.5	94	92								94	92.5	91	88								115
120		91	89.5	89	87.5	85							89	88	86.5	84	81							120
125			85	84.5	83	81.5	78.5						84.5	83.5	82.5	80.5	77.5							125
130			81	80.5	79	78	75.5						80.5	79.5	78.5	77	74							130
135			77.5	77	75.5	74.5	72.5							76	75	74	71	68						135
140			74	73.5	72	71	69.5							72.5	71.5	70.5	68.5	65.5						140
150				67.5	66	65	63.5	62	51.8						65.5	64.5	62.5	60	58.5					150
160				62	60.5	59.6	58.3	56.9	49.8	43.7					60.5	59.5	57.6	55.1	53.6	47				160
170				57.5	56.1	55	53.6	52.3	47.7	42					55.9	54.9	53.1	50.6	49.3	45.2				170
180					52.2	51	49.7	48.4	45.7	40.3	31.7					51	49.2	46.8	45.5	42.8	38.3			180
190						47.5	46.1	44.9	42.8	38.6	30.2					47.5	45.8	43.4	42.1	40	36.7	28.9		190
200						44.3	42.9	41.7	39.6	36.9	28.8						42.7	40.3	39.1	37	35	27.5		200
210							40.1	38.8	36.8	35.3	27.3							37.6	36.3	34.2	32.6	26.1		210
220							37.6	36.3	34.3	32.8	25.8							35.2	33.9	31.9	30.3	24.8		220
230							35.4	34	32	30.5	24.3							33.1	31.7	29.7	28.1	23.4		230
240								32	30	28.4	22.9								29.7	27.7	26	22		240
250								30.1	28.1	26.4	21.4								27.9	25.8	24.2	20.7		250
260								28.3	26.3	24.7	19.9								26.3	24.2	22.5	19.3		260
270									24.8	23.1	18.5									22.7	21	17.9		270
280										21.7	17									21.4	19.7	16.5		280
290										20.4	15.5										18.4	15.2		290
300										19.2	14.1										17.2	13.8		300
310											12.6											12.4		310
320											11.1											11		320

TAB 12411

TAB 124112

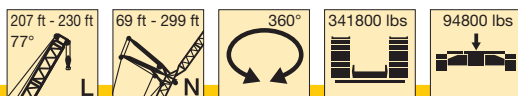
Lifting capacities on LN boom/jib combination

																								
 ft	161 ft											184 ft											 ft	
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft		
80	138																							80
85	130																							85
90	123											116												90
95	116	112										110	106											95
100	110	107	103									105	100											100
105	103	102	97.5	94.5								99.5	95.5	92										105
110	98	96.5	93	90								95.5	91.5	88										110
115		92	89	86								90.5	87.5	84	80.5									115
120		87	85.5	82.5	79								84	80.5	77									120
125		82.5	81.5	79	75.5	72.5							80.5	77	74	71								125
130		79	77.5	76	72.5	69.5							77	74	71	68								130
135			74	72.5	69.5	67								71	68	65.5	62							135
140			71	69.5	66.5	64.5								68	65.5	63	59.7							140
150			65	64	61.5	59.1	56.9	54.6						62.5	60	58.1	55	52.8						150
160				58.8	56.4	54.2	52.2	50.2	45.9							55.3	53.3	50.6	48.5	46.4				160
170				54.5	52	49.9	47.9	46	44.2							51.1	49.1	46.5	44.5	42.4				170
180					48.3	46.2	44.3	42.4	40.8	36.2						47.6	45.6	43	41	39	37.2	32		180
190					45.1	43	41	39.2	37.6	34.5	27.9						42.5	39.8	37.9	36	34.4	30.8	25.7	190
200						40	38.1	36.3	34.8	32.5	26.6					39.7	37	35.1	33.2	31.7	29.3	24.5		200
210						37.4	35.4	33.6	32.1	29.9	25.2						34.5	32.6	30.7	29.2	26.7	23.3		210
220						35.1	33.1	31.3	29.9	27.5	24						32.4	30.4	28.5	26.9	24.6	22.2		220
230							31	29.2	27.7	25.4	22.7							28.3	26.5	24.9	22.6	20.6		230
240							29.2	27.3	25.7	23.5	21.3							26.5	24.6	23.1	20.8	18.8		240
250								25.5	24	21.8	19.9								23	21.4	19.1	17.1		250
260								24	22.4	20.2	18.4								21.5	19.9	17.6	15.7		260
270									21	18.8	16.9								20.3	18.6	16.3	14.3		270
280										19.7	17.4	15.6									17.3	15	13	280
290											16.2	14.3									13.8	11.8		290
300											15.1	13.2									12.8	10.7		300
310											14.2	12.1									11.9	9.8		310
320											11											9.1		320
330																						8.4		330
340																						7.8		340

TAB 12411

TAB 124112

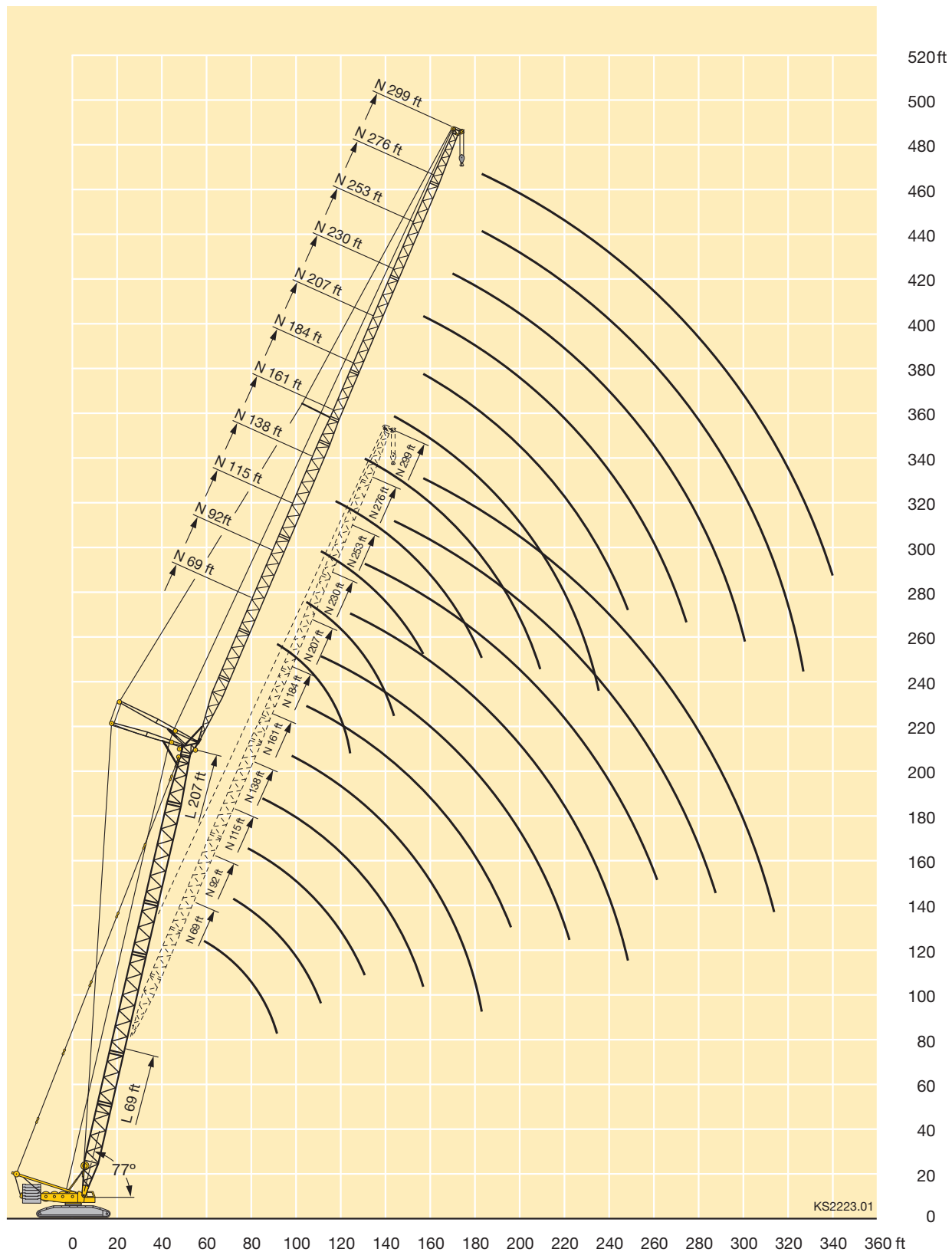
Lifting capacities on LN boom/jib combination



ft	207 ft											230 ft								ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	
95	102																			95
100	97.5																			100
105	93	89										70.5								105
110	89	85										68.5								110
115	85	81.5	78									66.5								115
120	81.5	78	75	72								64.5	56.9							120
125		75	71.5	69								62.5	55.7	50.6						125
130		72	69	66.5								60.5	54.6	49.6						130
135		69	66	64	60.5							58.8	53.4	48.5	43.4					135
140		66	63.5	61.5	58.4							56.8	52.3	47.4	42.4					140
150			58.6	56.7	53.8	51.5							50	45.3	40.4	36.5				150
160				52.1	49.5	47.3	44.6	41.4					47.7	43.2	38.5	34.9	29.4			160
170				48.1	45.6	43.4	40.8	39.3					45.3	41	36.5	33.2	28.2			170
180				44.7	42.2	40.1	37.5	36.2	33.4					38.9	34.5	31.5	26.9	23.3	19	180
190					39.2	37.2	34.6	33.3	31	27.6	23.6			36.7	32.6	29.8	25.7	22.2	18.1	190
200					36.5	34.5	31.9	30.7	28.3	25.7	22.5				30.6	28.1	24.4	21.2	17.1	200
210						32.1	29.5	28.3	25.9	23.4	21.3					26.5	23.1	20.1	16.2	210
220						30	27.4	26.1	23.9	21.4	19.3					24.8	21.9	19.1	15.3	220
230						28.1	25.5	24.2	22	19.5	17.4					23.1	20.6	18	14.4	230
240							23.8	22.4	20.2	17.8	15.7						19.4	17	13.4	240
250								20.9	18.7	16.2	14.1						18.1	15.9	12.5	250
260								19.5	17.2	14.8	12.7						16.9	14.9	11.6	260
270								18.2	15.9	13.5	11.3							13.8	10.7	270
280									14.8	12.3	10.1								9.7	280
290									13.7	11.2	9.2								8.8	290
300									12.8	10.2	8.4								7.9	300
310										9.5	7.7									310
320										8.9	7.1									320
330											6.5									330
340											5.9									340

TAB 124112

Lifting heights on LN boom/jib combination



Lifting capacities on LN boom/jib combination

																											
ft	69 ft											92 ft											ft				
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft					
90	131																							90			
95	122											119												95			
100	115	114										112												100			
105		107										105	104											105			
110		101										99	98											110			
115		96	94.5										93											115			
120		91	89.5										88	87										120			
125			85	84.5									84	82.5										125			
130			81	80.5									80	78.5										130			
135			77.5	77	75.5									75	74									135			
140			74	73.5	72.5									72	70.5									140			
150				67.5	66	65								66	65	63.5								150			
160				62	61	59.7	58.6								59.7	58.5	57.3							160			
170				57.4	56.3	55	54								55.2	54	52.8							170			
180					52.3	51.1	50	49.1							51.4	50.2	49	47.8						180			
190					48.9	47.6	46.5	45.5	44.7							46.8	45.5	44.4	43.4					190			
200						44.4	43.3	42.3	41.5	39.4							42.4	41.3	40.3	38.3				200			
210							40.4	39.4	38.6	36.5	33.1						39.7	38.5	37.5	35.5	33.9			210			
220							37.9	36.9	36	34	31.2						37.3	36.1	35	33.1	31.5			220			
230							35.6	34.6	33.7	31.7	29.5							33.8	32.8	30.8	29.2	27.5		230			
240								32.5	31.6	29.5	27.7							31.8	30.7	28.8	27.2	25.4		240			
250								30.6	29.6	27.6	25.9								28.9	26.8	25.2	23.5		250			
260								28.9	27.8	25.8	24.1								27.2	25.2	23.5	21.8		260			
270									26.2	24.1	22.3								25.8	23.7	22	20.3		270			
280									24.7	22.7	20.6									22.3	20.6	18.9		280			
290										21.3	18.9										19.3	17.6		290			
300										20.2	17.1										18.1	16.3		300			
310											15.4										17	15.1		310			
320											13.6											13.6		320			
330																						11.8		330			
340																						10.3		340			

TAB 124114

		 115 ft - 138 ft 67°		 69 ft - 299 ft		 360°		 341800 lbs		 94800 lbs																	
 ft		115 ft										138 ft										 ft					
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft					
100	108																							100			
105	101																							105			
110	96																							110			
115	91																							115			
120		85										87												120			
125		80.5	79.5									82.5	77.5											125			
130		77	75.5									78.5	74											130			
135		73.5	72									75	70.5											135			
140		70.5	69										67.5											140			
150			63	62.5										60.5										150			
160				57.4	55.9									55.6	54.6									160			
170				53.1	51.6									51.5	50.4									170			
180				49.4	47.9	46.5									46.8	45.1	39.8							180			
190					44.6	43.2	41.2								43.6	41.9								190			
200					41.7	40.2	38.2	36.9								39.1	36.9	34.4						200			
210						37.6	35.6	34.3	32.2							36.6	34.4	31.9	30.6					210			
220						35.3	33.2	31.9	29.9							34.5	32.2	29.7	28.4					220			
230						33.2	31.1	29.8	27.7	26.1							30.2	27.7	26.4	24.2				230			
240							29.2	27.8	25.8	24.1	22.3							25.9	24.5	22.4	20.7	20.7		240			
250								26	24	22.4	20.6							24.2	22.8	20.7	19	17.1		250			
260								24.4	22.4	20.8	19							22.8	21.4	19.2	17.5	15.6		260			
270								23	21	19.3	17.5								20	17.9	16.2	14.3		270			
280									19.6	17.9	16.2								18.8	16.6	14.9	13		280			
290									18.4	16.7	14.9									15.5	13.7	11.8		290			
300									17.4	15.6	13.7									14.5	12.6	10.6		300			
310										14.5	12.7									13.7	11.7	9.8		310			
320										13.6	11.7										10.8	9		320			
330											10.8											8.3		330			
340											10.1											7.7		340			
350																						7.2		350			

TAB 124114

Lifting capacities on LN boom/jib combination

																								
 ft	161 ft											184 ft											 ft	
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	299 ft		
125	75																							125
130	71.5																							130
135																								135
140		67.5										65												140
150		58.9	57.2																					150
160			52.6	50.6									54.6											160
170			48.6	46.7									50.3	47.9										170
180			45.3	43.3	40.8								46.5	44.2										180
190				40.3	37.8	35.6								41	38.7									190
200				37.7	35.1	33	31							38.3	35.9	33.8								200
210					32.8	30.6	28.6	26.6							33.4	31.4	28.6							210
220					30.8	28.5	26.5	24.6								29.1	26.3	24.3						220
230						26.6	24.6	22.7	21.1							27.2	24.4	22.4						230
240						24.9	22.9	21	19.4	17						25.4	22.7	20.6	18.6					240
250							21.3	19.4	17.8	15.5	13.4						21.1	19.1	17	15.4				250
260							19.9	18	16.4	14.1	12						19.7	17.6	15.6	13.9	11.3			260
270							18.7	16.8	15.1	12.8	10.7						18.6	16.3	14.3	12.6	10.1			270
280								15.6	14	11.5	9.6							15.2	13.1	11.3	9.1	7.3		280
290									14.6	12.9	10.4	8.7						14.2	12.1	10.3	8.2	6.4		290
300									14.6	12.9	10.4	8.7							11.1	9.4	7.4	5.7		300
310									13.8	11.9	9.5	7.9							10.3	8.7	6.6	4.9		310
320										10.9	8.8	7.2								8	6			320
330											8.1	6.5								7.5	5.4			330
340												7.5	5.8											340
350												7	5.3											350
350											4.8													350

TAB 12411

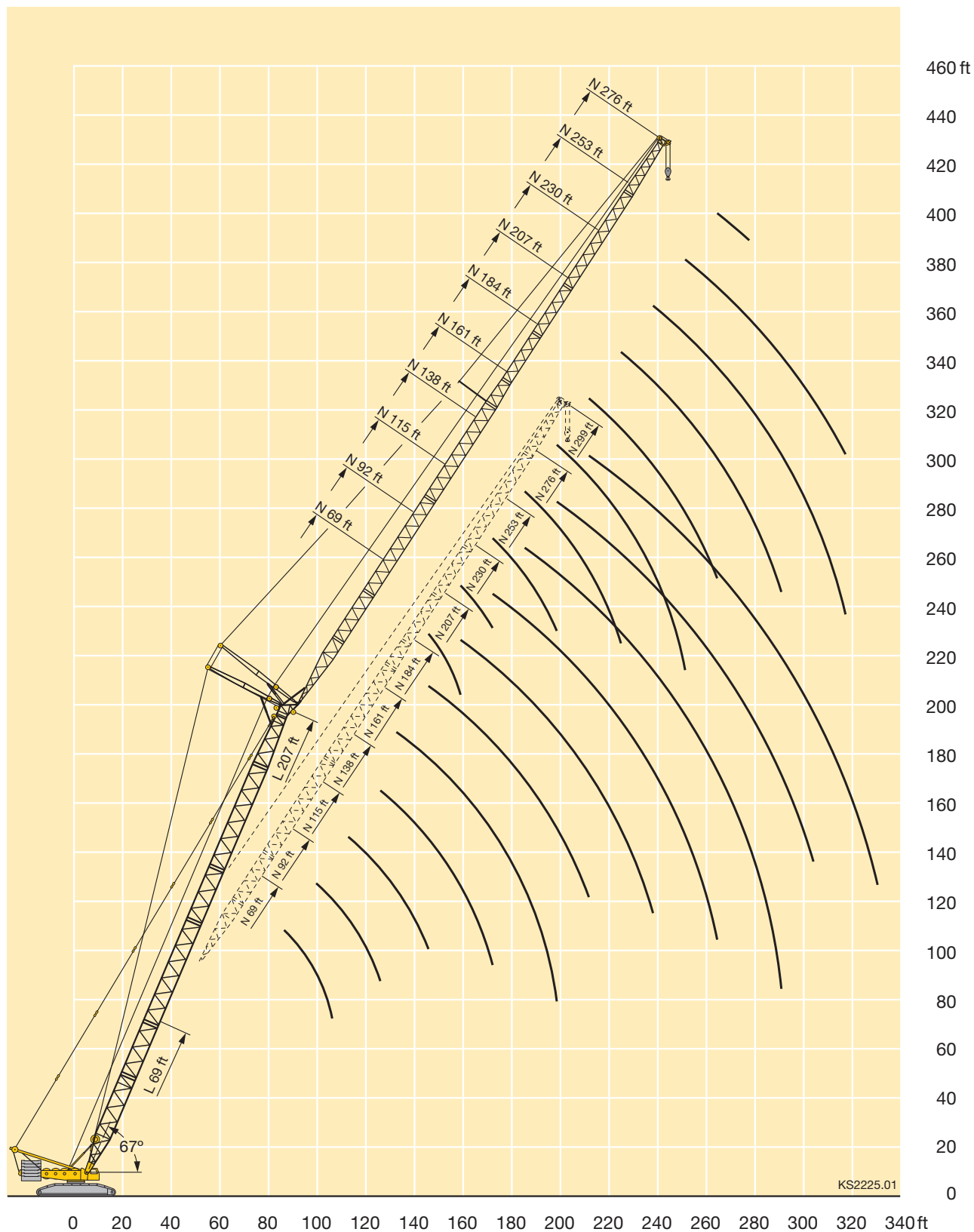
TAB 124114

																		
 ft	207 ft										230 ft							 ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	
150	51.5																	150
160		45									39							160
170		41.5									36.5							170
180			36.2								33.8	30.4						180
190			33.6	31.7								28.7	25.8					190
200				29.4	26.7							26.9	24.4	21.6				200
210				27.3	24.7	22.4							22.6	20.3	15.4			210
220				25.5	22.9	20.7							21	18.8	14.6			220
230					21.3	19.1	16.3						19.6	17.4	13.8	9.1		230
240					19.9	17.6	14.9	13.4						16.1	12.9	8.6	6.5	240
250						16.3	13.5	12.1	9.6						11.9	8.1	6.3	250
260						15.2	12.4	10.8	8.7						10.7	7.6	6	260
270							11.2	9.8	7.9	5.7					9.9	7.2	5.8	270
280							10.3	9	7.1	4.9						6.9	5.4	280
290								8.3	6.3							6.6	5	290
300								7.7	5.7							6.1	4.4	300
310								7.1	5.1									310

TAB 12411

TAB 124114

Lifting heights on LN boom/jib combination





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

**Proudly Offering the Largest and Most Diverse
Selection of **LIEBHERR** All Terrain and
Crawler/Luffer Cranes in New York City**

