

HILL CRANE SERVICE INC.

Telescopic Truck Crane Type LTM 1160/2



Conventional 75 – 300 Ton

Hydraulic 5 – 190 Ton

24 Hour Service

LONG BEACH

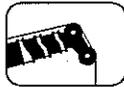
3333 Cherry Avenue
Long Beach, CA 90807
(562) 595-6031
Fax (562) 595-1771

RIALTO

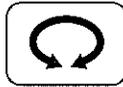
2675 S. Willow Avenue
Rialto, CA 92316
(909) 820-9886
Fax (909) 820-1462

SERVING YOU SINCE 1947

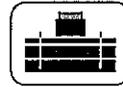
Lifting capacities at telescopic boom.



43 ft - 197 ft



360°



110 230 lbs

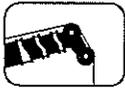


85%

ft	43 ft		57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
	1)													
10	450	317												10
11	327	303												11
12	293	288	271											12
13	275	274	254											13
14	261	261	241	226	203									14
15	249	248	230	215	195	169								15
16	240	238	223	208	189	165								16
17	232	228	216	201	182	161	133							17
18	224	218	210	195	176	157	132							18
20	209	200	197	183	164	149	129	111						20
22	193	185	183	173	154	140	123	108						22
24	178	171	170	164	144	132	118	104	88.5					24
26	163	158	157	154	136	124	112	100	86					26
28	151	147	146	144	128	117	107	96	83	71.5				28
30	140	136	136	134	121	111	102	92	80	69.5	58.9			30
32	127	126	127	125	115	105	97.5	88.5	77.5	67.5	57.6			32
34			119	117	109	99.5	92.5	85	74.5	66	56.2	46.9	36.1	34
36			112	110	104	95	88	81.5	72	64	54.8	46.1	35.6	36
38			105	102	99.5	90	83.5	78	69.5	62	53.4	45.4	35	38
40			98.5	96	94.5	86	79.5	75	67	60	52	44.5	34.5	40
45			84.5	82	81	77	71	68	61.5	56.1	48.7	42.2	32.6	45
50				71.5	70.5	69.5	64.5	61.5	57	52.4	45.7	39.7	30.8	50
55				62.5	61.5	61.5	59.2	56.1	52.8	48.9	43	37.4	29	55
60					53.6	53.9	54.2	51.4	48.9	45.6	40.5	35.1	27.3	60
65					47	47.3	48.1	47.5	45.3	42.7	38.3	33.2	25.7	65
70					41.7	41.9	42.9	43.4	42	39.9	36.3	31.4	24.3	70
75						37.1	38.3	39.3	38.8	37.2	34.3	29.8	22.9	75
80						33	34.1	35.5	35.5	34.7	32.5	28.3	21.7	80
85						29.5	30.5	31.9	32.2	32.4	30.7	26.9	20.6	85
90							27.5	28.8	29.3	30.2	28.8	25.7	19.4	90
95							24.7	26.8	26.6	27.9	26.9	24.6	18.4	95
100							20.7	25.4	24	25.5	25.2	23.5	17.3	100
105								23.9	21.8	23.2	23.5	22.6	16.4	105
110								22.6	19.8	21.2	21.7	21.7	15.5	110
115								20	18	19.3	20	20.6	14.7	115
120									17.2	17.6	18.3	19.4	13.9	120
125									16.7	16.1	17	17.8	13.2	125
130									16.4	14.7	16.1	16.4	12.4	130
135										14.2	15.4	15	11.7	135
140										13.8	14.8	13.8	11	140
145											14.2	12.7	10.3	145
150											13.2	11.6	9.7	150
155											12.3	10.6	9.1	155
160												9.7	8.6	160
165													8.1	165
170													7.6	170
175													7.2	175
I	0	0	46	92	92	92	92/ 0	92/ 0	92/ 0	92/46	92	100	I	
II	0	46	46	46	92	92	92/92	92/46	92/92	92/92	92	100	II	
III	0	0	0	0	0	46	46/92	92/92	92/92	92/92	92	100	III	
IV	0	0	0	0	0	0	46/46	46/92	46/92	92/92	92	100	IV	
V	0	0	0	0	0	0	0/46	0/92	46/92	46/92	92	100	V	

1) over rear

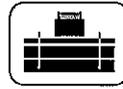
Lifting capacities are given in tons (1 000 lbs)



43 ft - 197 ft



360°



77 160 lbs



85%

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	317												10
11	300												11
12	285	271											12
13	270	254											13
14	257	241	226	203									14
15	244	230	215	195	169								15
16	233	223	208	189	165								16
17	222	215	201	182	161	133							17
18	213	208	195	176	157	132							18
20	194	193	183	164	149	129	111						20
22	178	177	172	154	140	123	108						22
24	163	162	160	144	132	118	104	88.5					24
26	150	149	147	136	124	112	100	86					26
28	139	138	135	128	117	107	96	83	71.5				28
30	128	127	124	119	110	102	92	80	69.5	58.9			30
32	119	117	115	109	103	97.5	88.5	77.5	67.5	57.6			32
34		109	106	100	96	92	85	74.5	66	56.2	46.9	36.1	34
36		102	98	92.5	89	86	81.5	72	64	54.8	46.1	35.6	36
38		94.5	90.5	85	82.5	80.5	78	69.5	62	53.4	45.4	35	38
40		88	83	78.5	76	75	74.5	67	60	52	44.5	34.5	40
45		77.5	70	66	64	63.5	63.5	61.5	56.1	48.7	42.2	32.6	45
50			59.9	56.3	54.8	54.6	54.7	54.1	52.4	45.7	39.7	30.8	50
55			51.2	48.4	47.2	47.2	47.6	47.2	47.7	43	37.4	29	55
60				41.9	40.8	41	41.8	41.4	42.2	40.4	35.1	27.3	60
65				36.4	35.8	36	38.8	36.6	37.5	37.3	33.2	25.7	65
70				31.4	33.3	31.7	36.2	33.7	33.5	33.5	31.4	24.3	70
75					31.1	27.9	33.5	31.3	30	30.1	29.7	22.9	75
80					29.2	25.3	30.6	29	26.8	28.3	27.8	21.7	80
85					27.5	23.7	27.7	26.9	25.2	26.8	25.2	20.6	85
90						22.3	25.3	24.9	23.7	24.8	22.9	19.4	90
95						21.1	22.9	23.1	22.3	22.8	20.9	18.4	95
100						20	20.7	21.4	20.8	20.9	19	17.3	100
105							18.6	19.4	19.4	19.2	17.3	16.4	105
110							16.9	17.7	18.3	17.5	15.8	15.3	110
115								15.3	16.4	16.9	16	14.3	115
120								15.8	15.5	14.6	14.3	12.7	120
125								14.2	15.3	14.1	13.2	11.6	125
130									14.2	13	12.1	10.4	130
135									12	11	9.3	9.1	135
140									11	10	8.3	8.1	140
145										9.1	7.4	7.2	145
150										8.3	6.6	6.5	150
155										7.6	6	5.8	155
160											5.3	5.2	160
165												4.6	165
170												4	170
175												3.4	175
I	0	0/0	46	92	92/0	92/0	92/0	92/0/0	92/0	92/46	92	100	I
II	0	46/0	46	46	92/0	92/0	92/92	92/92/46	92/92	92/92	92	100	II
III	0	0/0	0	0	0/92	46/92	46/92	92/92/92	92/92	92/92	92	100	III
IV	0	0/0	0	0	0/46	0/92	46/46	46/92/92	46/92	92/92	92	100	IV
V	0	0/46	0	0	0/46	0/46	0/46	0/46/92	46/92	46/92	92	100	V

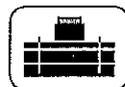
Lifting capacities at telescopic boom.



43 ft - 197 ft



360°



50 706 lbs



85%

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	285												10
11	269												11
12	255	246											12
13	241	231											13
14	229	219	206	184									14
15	218	209	195	178	153								15
16	207	202	189	171	150								16
17	197	194	183	166	146	121							17
18	188	186	177	160	142	120							18
20	169	169	166	149	135	117	101						20
22	154	153	151	138	128	112	97.5						22
24	140	139	136	126	118	107	94.5	80.5					24
26	127	126	121	112	105	101	90.5	78					26
28	116	115	109	101	95.5	92	86.5	75.5	65				28
30	106	105	97.5	91	86.5	84	82	73	63	53.6			30
32	97	96	89	83	79	77	75.5	70	61.5	52.3			32
34		88	81.5	76	72.5	71	70	66.5	59.8	51.1	42.6	32.8	34
36		80	75	70	67	66	65	62.5	58.1	49.8	41.9	32.3	36
38		74	68.5	64.5	61.5	60.5	60	58.2	56.4	48.5	41.2	31.9	38
40		69.5	63	59	56.7	55.9	55.5	54.2	54.2	47.3	40.5	31.3	40
45		57.2	52.2	48.5	46.8	46.5	49.5	44.7	46.2	44.3	38.4	29.7	45
50			47.2	40.4	41.7	39.2	44.3	41.5	39.7	39.2	36.1	28	50
55			41.6	35.1	38.2	33.5	39.2	38.1	34.3	34.2	33.5	26.3	55
60				32.5	35	30.8	34.2	34.3	31.4	32	30.3	24.8	60
65				30.3	31.5	28.4	30.2	30.3	29.4	29.1	26.8	23.4	65
70				28.4	27.8	26.4	26.8	27	27.1	26.1	23.8	22.1	70
75					24.5	24.5	23.7	24.7	24.6	23.3	21.1	20.4	75
80					21.7	22.6	20.8	22.9	22.1	20.9	18.8	18.4	80
85					19.3	20.1	18.9	21	19.9	18.8	16.7	16.4	85
90						18.7	17.5	19	18	16.9	14.9	14.6	90
95						17.6	16.4	17.1	16.2	15.2	13.3	13	95
100						16.3	15.2	15.4	14.4	13.7	11.8	11.5	100
105							14.1	13.8	12.9	12.1	10.4	10.2	105
110							12.8	12.5	11.5	10.7	9	8.8	110
115								11.6	11.3	10.3	9.5	7.8	115
120									10.2	9.2	8.4	6.8	120
125									9.2	8.2	7.3	5.9	125
130									8.3	7.3	6.5	5.1	130
135										6.4	5.8	4.4	135
140										5.7	5.1	3.7	140
145											4.4	3.1	145
150											3.7	2.4	150
155											3.1		155
I	0	0/0	46/0	92/0	92/0	92/0/0	92/0/0	92/0/0	92/0	92/46	92	100	I
II	0	46/0	46/0	46/0	92/0	92/0/0	92/92/0	92/92/46	92/92	92/92	92	100	II
III	0	0/0	0/0	0/0	0/92	46/92/46	46/92/92	92/92/92	92/92	92/92	92	100	III
IV	0	0/0	0/46	0/46	0/46	0/92/92	46/46/92	46/92/92	46/92	92/92	92	100	IV
V	0	0/46	0/46	0/92	0/46	0/46/92	0/46/92	0/46/92	46/92	46/92	92	100	V



43 ft - 197 ft



360°

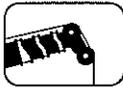


24 250 lbs

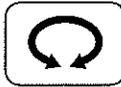


 ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	 ft	
10	281												10	
11	265												11	
12	250	246											12	
13	237	231											13	
14	224	219	206	184									14	
15	211	208	195	178	153								15	
16	200	198	189	171	150								16	
17	189	188	178	161	143	120							17	
18	179	178	165	149	134	117							18	
20	160	158	139	126	116	110	100						20	
22	143	136	120	110	102	97.5	92						22	
24	127	118	105	96	90	86	83	78					24	
26	113	104	92	84.5	79	76	74	70.5					26	
28	99	93.5	82	75	70.5	68.5	70.5	64	62				28	
30	85.5	88.5	72.5	66.5	63.5	61	66.5	58	57.4	53.2			30	
32	75.5	80	67.5	59.5	60.5	55.3	61	55.8	52.6	50.4			32	
34		72.5	64.5	53.9	57.8	50.9	56.3	53	48.5	47.3	42.2	32.8	34	
36		65.5	61	49.9	55.3	48.7	52.1	49.9	45	43.9	40.8	32.3	36	
38		58.7	57.7	47.8	52.7	46.5	48	46.7	43.4	42.4	39.4	31.9	38	
40		52.7	54.1	45.8	50	44.5	44.3	43.7	41.7	41	37.7	31.3	40	
45		42.2	43.4	41.6	41.8	40.2	37.1	38.6	36.6	34.8	31.9	29.7	45	
50			35.7	37.3	35.6	35.2	33.8	33.9	31.6	29.9	27.2	26.2	50	
55			30.7	32.7	30.3	30.4	30.5	29.5	27.3	25.8	23.3	22.6	55	
60				27.8	25.9	27.6	26.9	25.7	23.7	22.3	20	19.4	60	
65				24	22.1	24.7	23.7	22.5	20.7	19.4	17.2	16.7	65	
70				21	20.5	21.8	21	19.9	18.1	17	14.8	14.4	70	
75					18.5	19.1	18.5	17.6	15.9	14.8	12.8	12.4	75	
80					16.3	16.8	16.3	15.6	13.9	12.9	10.9	10.6	80	
85					14.3	14.8	14.2	13.8	12.2	11.2	9.3	9	85	
90						13.1	12.5	12.1	10.7	9.7	7.8	7.6	90	
95						11.6	11	10.6	9.2	8.3	6.5	6.3	95	
100						10.2	9.6	9.3	7.9	7	5.4	5.2	100	
105								8.4	8	6.7	5.9	4.4	105	
110								7.4	7	5.8	5	3.5	110	
115								6.4	6.1	5	4.2		115	
120									5.3	4.2	3.4		120	
125									4.5	3.5			125	
130									3.8	2.8			130	
 %	I	0	0/0	46/0/0	92/0	92/0/0	92/0/0	92/0/0	92/0/0	92/0	92/46	92	100	I
	II	0	46/0	46/0/0	46/0	92/0/0	92/0/0	92/92/0	92/92/46	92/92	92/92	92	100	II
	III	0	0/0	0/0/0	0/0	0/92/0	46/92/46	46/92/92	92/92/92	92/92	92/92	92	100	III
	IV	0	0/0	0/46/0	0/46	0/46/92	0/92/92	46/46/92	46/92/92	46/92	92/92	92	100	IV
	V	0	0/46	0/46/92	0/92	0/46/92	0/46/92	0/46/92	0/46/92	46/92	46/92	92	100	V

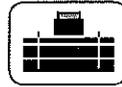
Lifting capacities at telescopic boom.



43 ft – 197 ft



360°



0 lbs

85%

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	276												10
11	260												11
12	245	244											12
13	229	228											13
14	216	213	188	162									14
15	203	197	165	144	129								15
16	190	175	148	130	118								16
17	177	158	134	119	108	99.5							17
18	162	144	123	108	98.5	91.5							18
20	134	117	101	89	84	76.5	81						20
22	114	103	87.5	75.5	79	69	71						22
24	96	92.5	81	67	73	65.5	62.5	60					24
26	81.5	79.5	74	63	65	62	55.6	54.5					26
28	70	70	66	60	58.5	56.3	52.2	50.8	47.5				28
30	60	61.5	58.4	56.7	52.3	50.7	49.5	46.8	43.1	40.2			30
32	51.9	55.1	52.5	52.8	47.3	47.2	45.5	42.9	39.5	36.8			32
34		49.5	49	48.8	43.2	44.4	42	39.5	36.3	33.9	30.4	29.2	34
36		44.7	44.9	44.9	39.6	41.2	38.8	36.6	33.6	31.3	28.1	27	36
38		39.8	40.9	41	36.1	38.1	35.7	33.6	30.9	28.8	25.7	24.7	38
40		35.4	37.2	37.5	32.9	35.2	32.8	31	28.4	26.4	23.5	22.6	40
45		27.6	29.9	31	26.8	29.3	27.3	25.8	23.5	21.8	19.2	18.5	45
50			24.2	25.9	22.1	24.8	23	21.7	19.6	18.2	15.7	15.2	50
55			19.6	21.6	18.3	21	19.4	18.3	16.4	15.1	12.8	12.3	55
60				18	15.2	17.9	16.5	15.5	13.7	12.5	10.3	9.9	60
65				15	12.6	15.4	14	13.1	11.4	10.3	8.3	7.9	65
70				12.6	10.4	13.3	12	11.1	9.5	8.5	6.5	6.3	70
75					8.4	11.3	10.2	9.4	7.9	6.9			75
80					6.7	9.6	8.5	7.9	6.4	5.5			80
85					5.2	8	7	6.5	5.1	4.2			85
90						6.8	5.9	5.4					90
95						5.6	4.9	4.4					95
100						4.6	4						100
I	0	0/0	46/0/0	92/0	92/0/0	92/0/0	0/0	0/0	0	46	92	100	I
II	0	46/0	46/0/0	46/0	92/0/0	92/0/0	92/0	92/46	92	92	92	100	II
III	0	0/0	0/0/0	0/0	0/92/0	46/92/46	92/92	92/92	92	92	92	100	III
IV	0	0/0	0/46/0	0/46	0/46/92	0/92/92	46/92	92/92	92	92	92	100	IV
V	0	0/46	0/46/92	0/92	0/46/92	0/46/92	46/92	46/92	92	92	92	100	V

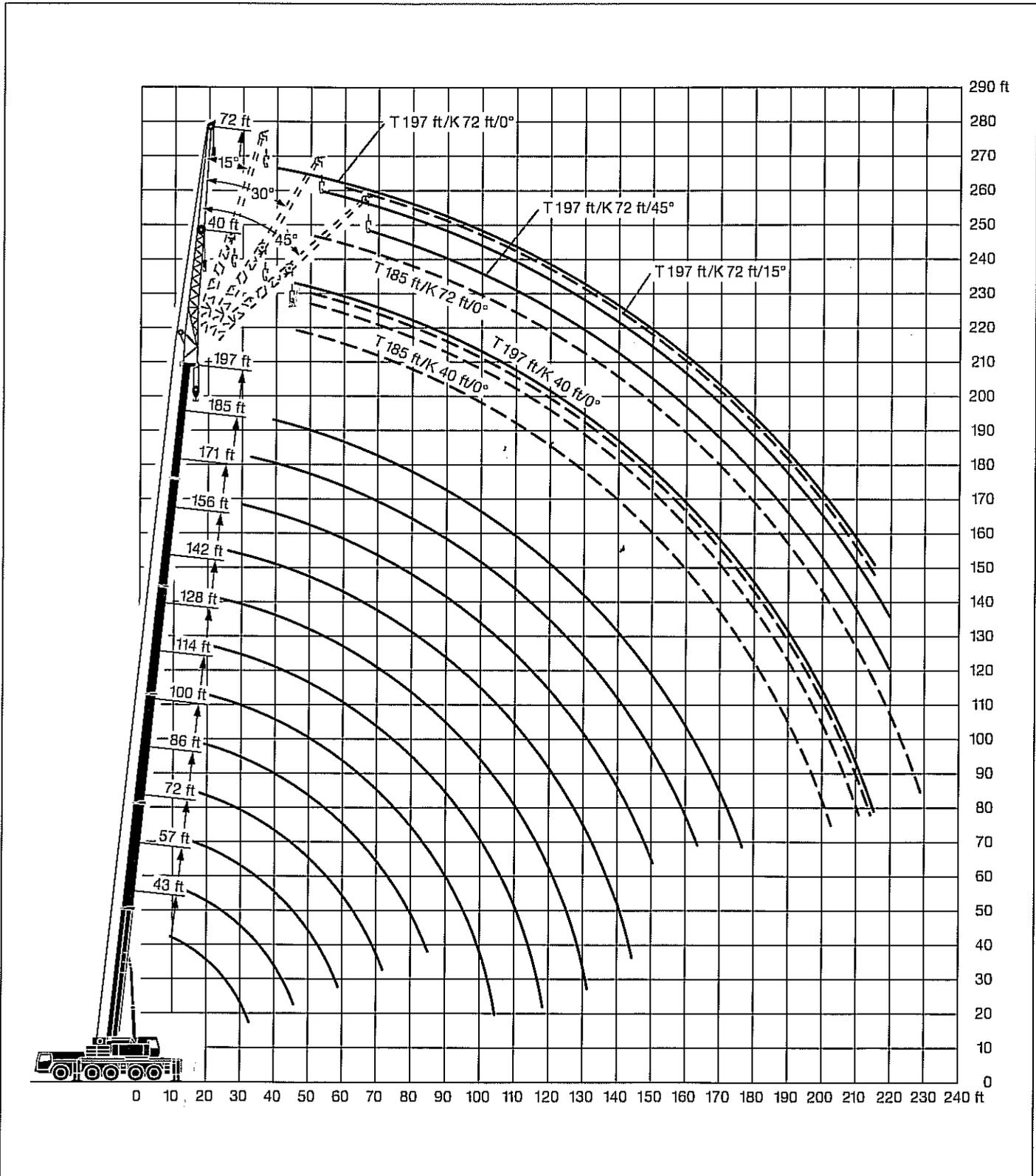
TAB 103269

Remarks referring to load charts.

1. The tabulated lifting capacities do not exceed 85 % of the tipping load.
2. The crane's structural steelwork 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.
3. The 85 % overturning limit values take into account wind force 5 = wind speed 20 mph.
4. Lifting capacities are given in kips.
5. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centreline.
7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
8. Lifting capacities are subject to modifications.
9. Lifting capacities above 317 kips only with special equipment.

Lifting heights.

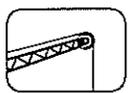
Telescopic boom.



Lifting capacities at the folding jib.



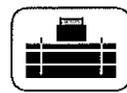
142 ft - 197 ft



0°/15°/30°/45°
40 ft



360°



110 230 lbs

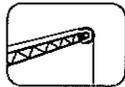


85%

ft	142 ft				156 ft				171 ft				185 ft				197 ft				ft		
	40 ft				40 ft				40 ft				40 ft				40 ft						
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°			
28	42.4				38.1																28		
30	42.4				38					32.5												30	
32	42.4				37.7					32.5												32	
34	42.2	33.6			37.5					32.4				25.4								34	
36	41.9	32.9			37.3					32.3				25.2								36	
38	41.5	32.3			37.1					32.1				25.1								38	
40	41.1	31.6			36.9	30.2				31.9	26.7			24.9				18.9				40	
45	40.2	29.9			36.1	29.1				31.1	26.7			24.4				18.5				45	
50	39.1	28.4	21.2		35.3	27.8	20.7			30	26.2	20.4		23.7	22.6			18	16.7			50	
55	37.5	27	20.5	16.7	34.3	26.5	20.1	16.6		28.8	25.5	19.9	16.2	22.9	21.9	19.3		17.4	16.3	15.4		55	
60	35.4	25.7	19.8	16.3	33.1	25.4	19.6	16.2		27.5	24.6	19.4	16	22	21	18.8	15.5	16.8	15.8	14.7	13.3	60	
65	33.4	24.6	19.2	16	31.3	24.3	19	15.9	26.2	23.8	18.8	15.8	21	20	18.3	15.3	16	15	14	12.9		65	
70	31.7	23.6	18.7	15.7	29.6	23.4	18.6	15.7	25	23	18.4	15.6	20.1	19.1	17.9	15.1	15.2	14.2	13.4	12.5		70	
75	30	22.7	18.2	15.5	28	22.6	18.1	15.5	23.8	22	17.9	15.4	19.2	18.2	17.4	14.9	14.4	13.5	12.8	12.1		75	
80	28.5	21.8	17.7	15.3	26.5	21.8	17.7	15.3	22.6	21	17.5	15.2	18.3	17.4	16.7	14.8	13.6	12.8	12.2	11.6		80	
85	27	21.1	17.3	15.1	25.1	21.1	17.3	15.1	21.5	20	17.2	15	17.5	16.6	16	14.6	12.9	12.1	11.6	11.2		85	
90	25.6	20.4	16.9	14.9	23.9	20.4	16.9	14.9	20.4	19.1	16.8	14.9	16.6	15.8	15.3	14.4	12.2	11.5	11	10.7		90	
95	24.4	19.7	16.5	14.8	22.7	19.8	16.6	14.7	19.4	18.3	16.5	14.7	15.9	15.1	14.7	14.1	11.5	10.9	10.4	10.2		95	
100	23.2	19.1	16.2	14.6	21.6	19.2	16.3	14.6	18.5	17.5	16.2	14.6	15.1	14.4	14	13.8	10.9	10.3	9.9	9.7		100	
105	22.1	18.5	15.9	14.5	20.6	18.7	16	14.5	17.6	16.8	15.8	14.4	14.5	13.8	13.4	13.3	10.4	9.8	9.5	9.3		105	
110	20.5	18	15.6	14.4	19.6	18.2	15.7	14.4	16.8	16.1	15.5	14.3	13.8	13.2	12.9	12.8	9.8	9.4	9	8.9		110	
115	18.8	17.6	15.4	14.4	18.6	17.8	15.5	14.3	16	15.5	15	14.1	13.2	12.7	12.4	12.3	9.3	8.9	8.6	8.5		115	
120	17.1	17	15.2	14.3	17.5	17.3	15.3	14.3	15.3	14.8	14.4	14	12.6	12.1	11.9	11.8	8.9	8.5	8.3	8.1		120	
125	15.5	16.4	15	14.3	16.1	16.8	15.1	14.3	14.6	14.3	13.9	13.8	12.1	11.6	11.4	11.4	8.5	8.1	7.9	7.8		125	
130	14.1	14.9	14.8	14.3	14.7	15.5	15	14.3	14	13.7	13.5	13.4	11.6	11.2	11	11	8.1	7.8	7.6	7.5		130	
135	12.8	13.5	14	13.9	13.4	14.2	14.4	14.2	13.3	13.1	13	13	11.1	10.7	10.6	10.6	7.7	7.5	7.3	7.3		135	
140	11.5	12.2	12.8	13	12.1	12.9	13.5	13.6	12.3	12.5	12.6	12.6	10.7	10.3	10.2	10.3	7.3	7.2	7.1	7		140	
145	10.4	11	11.5	11.7	11	11.7	12.2	12.5	11.1	11.9	12	12.1	10.3	10	9.9	9.9	6.9	6.9	6.8	6.8		145	
150	9.3	9.9	10.3	10.4	9.9	10.6	11	11.3	10	10.7	11.2	11.5	9.9	9.6	9.5	9.6	6.5	6.6	6.6	6.6		150	
155	8.3	8.8	9.1	9.2	8.9	9.5	9.9	10.1	9.3	9.7	10.2	10.5	9.3	9.3	9.2	9.3	6.1	6.3	6.4	6.4		155	
160	7.6	7.9	8.1		8.2	8.5	8.8	9	9	8.7	9.1	9.4	8.5	8.8	8.9	9	5.7	6	6.1	6.2		160	
165	7.2				7.9	7.9	7.9	8	8.6	8.3	8.3	8.5	7.7	8.2	8.6	8.7	5.3	5.7	5.8	6		165	
170	6.9				7.6	7.5	7.6	7.6	7.6	8.3	8.1	8.1	8.3	7.1	7.5	7.8	7.9	4.9	5.4	5.5	5.6		170
175					7.2	7.2	7.2		7.8	7.8	7.8	8	6.5	6.9	7.1	7.3	4.6	5	5.2	5.4		175	
180									7.3	7.5	7.5	7.6	6	6.3	6.5	6.7	4.2	4.7	4.9	5		180	
185									6.8	7	7.2		5.5	5.8	6	6.1	3.9	4.4	4.6	4.7		185	
190									6.4	6.5	6.6		5	5.3	5.4	5.5	3.7	4.1	4.3	4.4		190	
195													4.5	4.8	4.9	5	3.4	3.8	4	4		195	
200													4.1	4.4	4.5	4.4	3.2	3.5	3.7	3.7		200	
205																	3	3.3	3.4	3.5		205	
210																	2.8	3	3.3			210	
215																	2.7	2.8	2.9			215	
I		92				92				92/46				92				100				I	
II		92				92				92/92				92				100				II	
III		92				92				92/92				92				100				III	
IV		46				46				92/92				92				100				IV	
V		0				46				46/92				92				100				V	



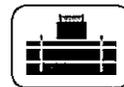
142 ft - 197 ft



0°/15°/30°/45°
72 ft*



360°



110 230 lbs



85%

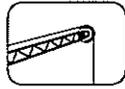
ft	142 ft				156 ft				171 ft				185 ft				197 ft				ft	
	72 ft				72 ft				72 ft				72 ft				72 ft					
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°		
30	18.2																					30
32	18.2																					32
34	18.2				17																	34
36	18.2				17																	36
38	18.2				17																	38
40	18.2				17				15.7				13.8				11.4					40
45	18				16.8				15.6				13.8				11.2					45
50	17.6	14.6			16.6				15.3				13.7				10.9					50
55	17.3	14.4			16.3	13.9			15.1	13.2			13.6				10.6					55
60	16.9	14.1			16	13.5			14.9	12.9			13.5	12			10.3	9.6				60
65	16.3	13.6			15.6	13.1			14.6	12.5			13.3	11.7			10	9.3				65
70	15.8	13.2	11		15.1	12.8	10.7		14.3	12.2			13.1	11.4			9.7	8.9				70
75	15.3	12.8	10.7		14.7 ₂	12.4	10.4		13.9	11.9	10.1		12.9	11.2	9.6		9.4	8.6	7.5			75
80	14.8	12.4	10.4	8.7	14.3	12	10.2	8.7	13.6	11.6	9.9	8.7	12.6	10.9	9.4		9.1	8.2	7.3			80
85	14.3	12	10.2	8.7	13.9	11.7	10	8.7	13.2	11.3	9.7	8.5	12.2	10.7	9.3		8.7	7.9	7			85
90	13.8	11.6	9.9	8.6	13.4	11.4	9.8	8.6	12.9	11	9.5	8.5	11.8	10.5	9.1	8.2	8.4	7.6	6.8	6.3		90
95	13.4	11.3	9.7	8.5	13.1	11.1	9.6	8.5	12.6	10.8	9.4	8.4	11.3	10.3	9	8.2	8	7.3	6.6	6.2		95
100	13	11	9.5	8.5	12.7	10.8	9.4	8.4	12.2	10.5	9.2	8.3	10.9	10	8.9	8.1	7.6	7	6.3	6		100
105	12.5	10.7	9.3	8.3	12.3	10.5	9.2	8.3	11.9	10.3	9	8.2	10.5	9.7	8.8	8	7.2	6.8	6.1	5.8		105
110	12.2	10.4	9.2	8.3	12	10.3	9	8.2	11.6	10.1	8.9	8.1	10	9.4	8.6	8	6.9	6.5	5.9	5.7		110
115	11.8	10.2	9	8.2	11.6	10.1	8.9	8.2	11.3	9.9	8.7	8.1	9.6	9	8.5	7.9	6.5	6.3	5.7	5.5		115
120	11.5	9.9	8.8	8.2	11.3	9.8	8.8	8.1	11	9.7	8.6	8	9.2	8.6	8.4	7.8	6.2	6	5.6	5.3		120
125	11.1	9.7	8.7	8.1	11.1	9.6	8.6	8	10.8	9.5	8.5	8	8.8	8.3	8.1	7.7	6	5.8	5.4	5.2		125
130	10.8	9.5	8.6	8.1	10.8	9.4	8.5	8	10.4	9.3	8.4	7.9	8.5	7.9	7.8	7.6	5.7	5.5	5.2	5.1		130
135	10.6	9.3	8.5	8	10.5	9.3	8.4	7.9	10	9.1	8.3	7.9	8.1	7.6	7.5	7.4	5.4	5.3	5.1	5		135
140	10.3	9.1	8.4	8	10.3	9.1	8.3	7.9	9.6	8.9	8.2	7.8	7.8	7.4	7.3	7.3	5.2	5.1	4.9	4.8		140
145	10.1	9	8.3	8	10.1	8.9	8.2	7.8	9.2	8.7	8.1	7.8	7.5	7.1	7	7.1	5	4.9	4.8	4.7		145
150	9.8	8.8	8.2	8	9.8	8.8	8.2	7.8	8.8	8.4	8	7.8	7.2	6.9	6.8	6.9	4.8	4.7	4.6	4.6		150
155	9.5	8.7	8.1	8	9.6	8.7	8.1	7.8	8.5	8.1	7.9	7.7	6.9	6.6	6.6	6.7	4.6	4.5	4.5	4.5		155
160	8.8	8.6	8.1	8	9.1	8.6	8	7.8	8.1	7.9	7.7	7.6	6.7	6.4	6.4	6.5	4.4	4.3	4.3	4.3		160
165	7.9	8.4	8	8	8.2	8.5	8	7.8	7.8	7.6	7.5	7.5	6.4	6.2	6.2	6.3	4.3	4.1	4.1	4.2		165
170	7.3	8	8	8	7.5	8.3	8	7.8	7.5	7.4	7.3	7.4	6.2	6	6	6.1	4.1	4	4	4.1		170
175	6.7	7.3	7.7	7.8	7	7.7	7.9	7.8	6.9	7.2	7.1	7.2	6	5.9	5.9	6	4	3.8	3.8	3.9		175
180	6.2	6.7	7.1	7.3	6.4	7	7.5	7.6	6.4	6.9	7	7.1	5.8	5.7	5.7	5.8	3.8	3.7	3.7	3.8		180
185	5.7	6.2	6.5		5.9	6.5	6.9	7.1	5.9	6.5	6.8	7	5.6	5.6	5.5	5.6	3.6	3.6	3.6	3.6		185
190	5.2	5.6	5.9		5.4	5.9	6.3	6.4	5.4	6	6.4	6.7	5.4	5.4	5.4	5.6	3.4	3.4	3.4	3.5		190
195	4.8	5.1			5	5.4	5.7	5.8	5.1	5.5	5.9	6.1	5	5.3	5.3	5.4	3.2	3.3	3.3	3.4		195
200					4.6	4.9	5.2		5	5	5.4	5.5	4.6	5.1	5.2	5.4	2.9	3.2	3.2	3.3		200
205					4.5	4.6			4.8	4.9	4.9	5.1	4.2	4.8	5	5.2	2.7	3	3.1	3.2		205
210									4.7	4.7	4.8		3.9	4.3	4.7	4.8	2.4	2.8	3	3.1		210
215									4.6	4.6	4.7		3.5	3.9	4.2	4.3	2.2	2.6	2.8	2.8		215
220									4.3	4.5			3.1	3.5	3.8	3.8		2.4	2.6	2.6		220
225													2.8	3.2	3.4	3.3						225
230														2.8								230
235														2.4								235
I					92				92				92/46				92				100	I
II					92				92				92/92				92				100	II
III					92				92				92/92				92				100	III
IV					46				46				92/92				92				100	IV
V					0				46				46/92				92				100	V

* bi-parted folding jib

Lifting capacities at the folding jib.



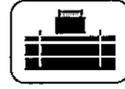
142 ft – 197 ft



0°/15°/30°/45°
95 ft*



360°



110 230 lbs



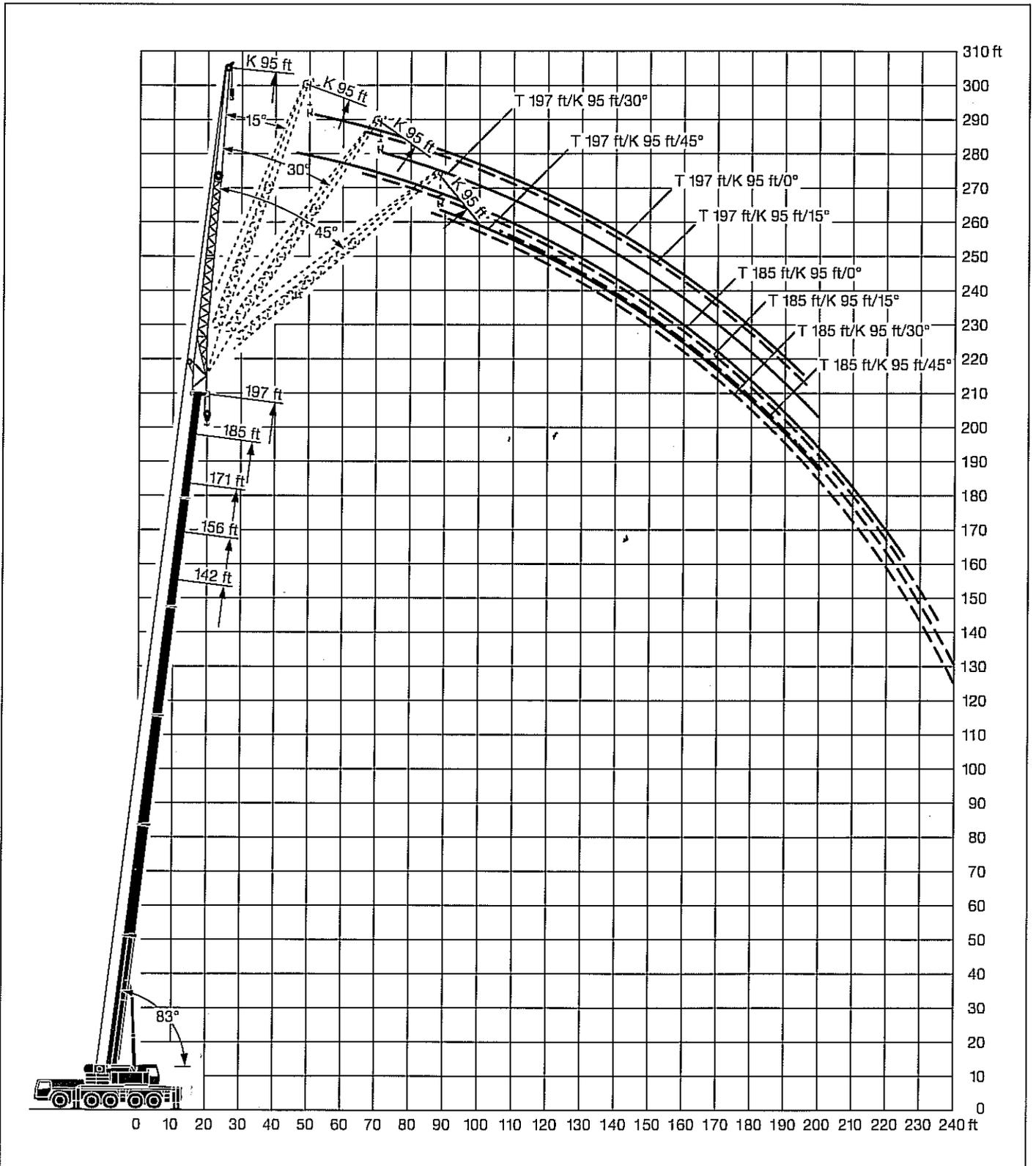
75%

ft	142 ft				156 ft				171 ft				185 ft				197 ft				ft	
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°		
40	12.6				11.6				10.7													40
45	12.6				11.6				10.7													45
50	12.5				11.6				10.7				9.7				7.6					50
55	12.3				11.6				10.6				9.6				7.4					55
60	12.1	10.7			11.4	9.9			10.4				9.4				7.2					60
65	11.9	10.7			11.2	9.9			10.2				9.2				7.1					65
70	11.7	10.5			11	9.8			10	9.1			9.1	8.3			6.9	6.4				70
75	11.5	10.3			10.8	9.6			9.8	8.9			8.9	8.2			6.7	6.2				75
80	11.3	10	7.7		10.5	9.4	7.4		9.7	8.7			8.7	8			6.5	6				80
85	11	9.7	7.4		10.3	9.2	7.2		9.5	8.5			8.6	7.9			6.3	5.7				85
90	10.7	9.4	7.2		10	9	7		9.3	8.3	6.8		8.4	7.8	6.5		6.1	5.5	4.8			90
95	10.4	9	7	6.1	9.8	8.8	6.8		9.1	8.1	6.6		8.3	7.7	6.3		5.9	5.3	4.7			95
100	10.1	8.7	6.8	6	9.5	8.5	6.6	5.8	8.9	7.9	6.4	5.8	8.1	7.5	6.2		5.7	5.1	4.5			100
105	9.8	8.3	6.6	5.9	9.3	8.2	6.5	5.8	8.7	7.8	6.3	5.7	8	7.3	6	5.3	5.5	4.9	4.3	3.9		105
110	9.5	8	6.4	5.8	9.1	7.9	6.3	5.7	8.5	7.6	6.1	5.6	7.7	7.1	5.9	5.3	5.3	4.7	4.2	3.9	3.9	110
115	9.3	7.7	6.3	5.7	8.9	7.6	6.2	5.6	8.3	7.4	6	5.5	7.4	6.9	5.8	5.3	5.1	4.5	4	3.8	3.8	115
120	9	7.4	6.1	5.5	8.7	7.4	6	5.5	8.2	7.2	5.9	5.4	7.1	6.7	5.7	5.2	4.8	4.3	3.9	3.6	3.6	120
125	8.7	7.2	5.9	5.4	8.5	7.1	5.9	5.4	8	7	5.8	5.3	6.8	6.5	5.6	5.1	4.6	4.1	3.7	3.5	3.5	125
130	8.4	6.9	5.8	5.4	8.3	6.9	5.7	5.3	7.8	6.8	5.6	5.2	6.5	6.3	5.4	5.1	4.4	3.9	3.6	3.4	3.4	130
135	8	6.7	5.7	5.3	8	6.7	5.6	5.2	7.7	6.6	5.5	5.1	6.3	6.1	5.3	5	4.2	3.8	3.5	3.3	3.3	135
140	7.7	6.5	5.5	5.2	7.8	6.5	5.5	5.1	7.5	6.5	5.4	5	6	5.8	5.3	5	4	3.6	3.3	3.2	3.2	140
145	7.4	6.4	5.4	5.1	7.5	6.3	5.4	5.1	7.3	6.3	5.3	4.9	5.8	5.6	5.2	4.9	3.8	3.5	3.2	3.1	3.1	145
150	7.2	6.2	5.3	5	7.2	6.2	5.3	5	7	6.1	5.2	4.9	5.6	5.4	5.1	4.8	3.6	3.4	3.1	3	3	150
155	6.9	6	5.2	5	7	6	5.2	4.9	6.8	6	5.1	4.9	5.4	5.2	5	4.8	3.4	3.2	3	2.9	2.9	155
160	6.7	5.9	5.1	4.9	6.8	5.9	5.1	4.9	6.5	5.9	5	4.8	5.2	5	4.9	4.7	3.2	3.1	2.9	2.8	2.8	160
165	6.5	5.8	5	4.9	6.5	5.8	5	4.9	6.2	5.7	5	4.8	5	4.8	4.8	4.7	3.1	3	2.8	2.7	2.7	165
170	6.3	5.7	4.9	4.9	6.3	5.7	4.9	4.9	6	5.6	4.9	4.8	4.8	4.7	4.7	4.6	2.9	2.8	2.7	2.6	2.6	170
175	6.1	5.6	4.8	4.8	6.1	5.6	4.9	4.8	5.8	5.5	4.8	4.7	4.6	4.5	4.5	4.6	2.7	2.7	2.6	2.6	2.6	175
180	5.9	5.5	4.8	4.8	6	5.5	4.8	4.8	5.6	5.4	4.8	4.7	4.5	4.4	4.4	4.5	2.6	2.6	2.5	2.5	2.5	180
185	5.7	5.4	4.8	4.8	5.8	5.4	4.7	4.8	5.4	5.3	4.7	4.7	4.3	4.2	4.2	4.3	2.4	2.4	2.4	2.4	2.4	185
190	5.3	5.3	4.8	4.8	5.4	5.3	4.7	4.8	5.2	5.1	4.6	4.7	4.2	4.1	4.1	4.2	2.3	2.3	2.3	2.4	2.4	190
195	4.9	5.2	4.8	4.8	5	5.2	4.7	4.8	4.8	5	4.6	4.7	4	3.9	4	4	2.2	2.2	2.2	2.3	2.3	195
200	4.5	5	4.8	4.8	4.6	5.1	4.7	4.8	4.5	4.9	4.6	4.7	3.9	3.8	3.8	3.9				2.2	2.2	200
205	4.1	4.6	4.7		4.2	4.8	4.7	4.8	4	4.7	4.6	4.7	3.8	3.7	3.7	3.8						205
210	3.7	4.2	4.5		3.8	4.4	4.7	4.8	3.7	4.4	4.6	4.7	3.6	3.6	3.6	3.7						210
215	3.3	3.7	4		3.4	4	4.3	4.4	3.4	4.4	4.4	4.6	3.4	3.5	3.5	3.6						215
220					3.1	3.6	3.9		3.3	3.6	4	4.2	3	3.4	3.4	3.6						220
225					2.9	3.2	3.4		3.1	3.2	3.5	3.7	2.7	3.2	3.3	3.5						225
230									3	3.1	3.1			2.9	3.2	3.4						230
235									2.9	3	3			2.6	3	3.1						235
240									2.8	2.9	3				2.6	2.7						240
I		92				92				92/46				92						100		I
II		92				92				92/92				92						100		II
III		92				92				92/92				92						100		III
IV		46				46				92/92				92						100		IV
V		0				46				46/92				92						100		V

* three-parted folding jib

Lifting heights.

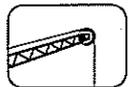
Folding jib.



Lifting capacities at the folding jib.



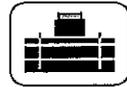
142 ft - 197 ft



0°/15°/30°/45°
118 ft*



360°



110 230 lbs



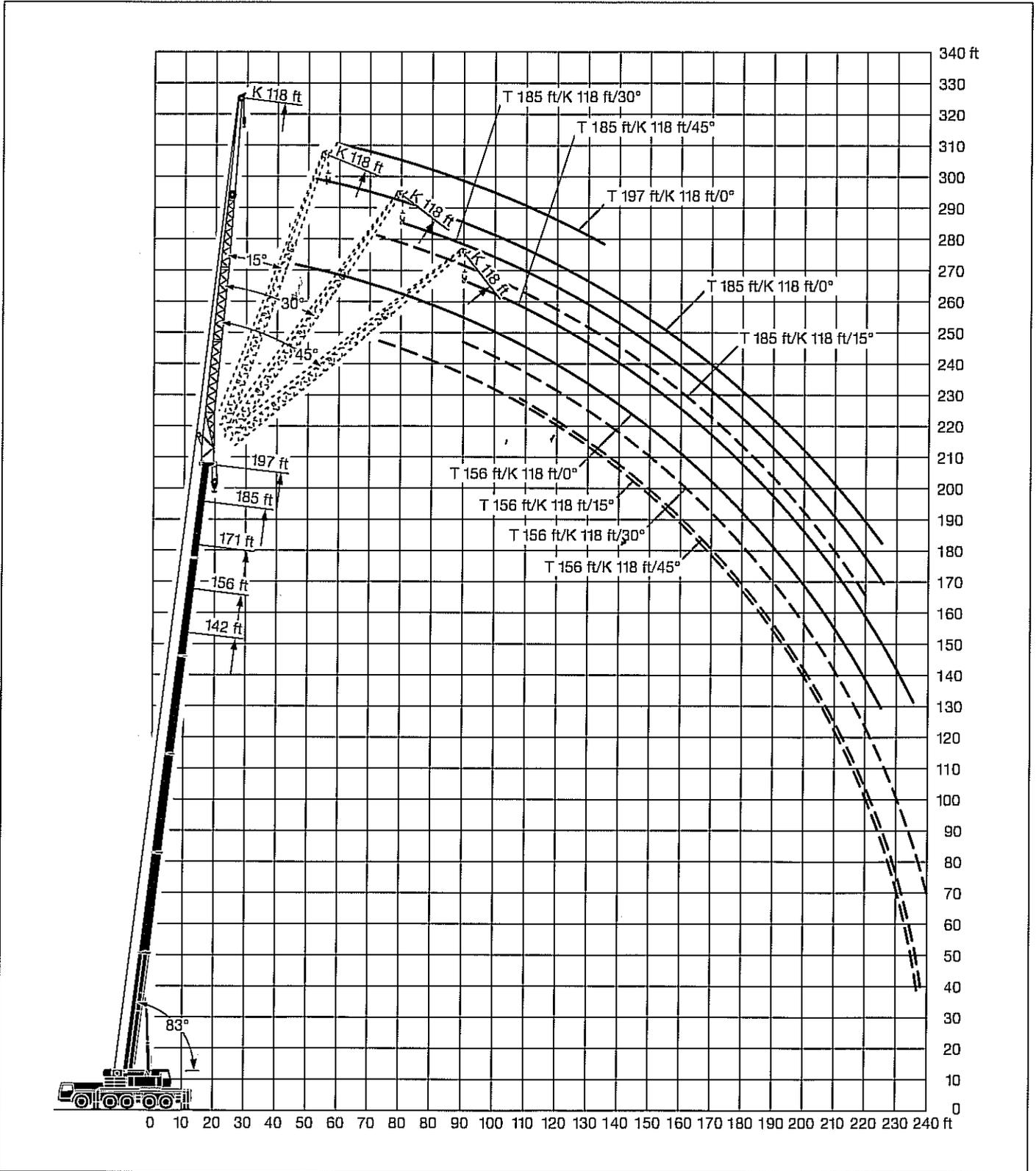
85%

ft	142 ft				156 ft				171 ft				185 ft				197 ft	ft
	118 ft				118 ft													
ft	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	ft
40	8.2																	40
45	8.1																	45
50	8				7.8				7.3									50
55	8				7.7				7.3				6.5					55
60	7.9				7.6				7.3				6.5				5.3	60
65	7.8				7.5				7.1				6.4				5.2	65
70	7.7	7.2			7.4				7.1				6.3				5	70
75	7.6	7			7.4	6.7			7	6.2			6.2	5.6			4.9	75
80	7.5	6.8			7.3	6.5			6.8	6.1			6.1	5.5			4.7	80
85	7.4	6.7			7.2	6.3			6.7	6			6	5.4			4.6	85
90	7.3	6.5			7	6.2			6.5	5.9			5.9	5.4			4.4	90
95	7.2	6.2	4.8		6.8	6			6.4	5.7			5.8	5.3			4.2	95
100	7.1	6.1	4.7		6.7	5.8	4.5		6.2	5.6	4.3		5.7	5.2	4.1		4.1	100
105	6.9	5.9	4.5		6.5	5.6	4.4		6.1	5.4	4.2		5.6	5.1	4		3.9	105
110	6.7	5.7	4.4		6.4	5.5	4.2		6	5.3	4.1		5.4	4.9	3.9		3.7	110
115	6.5	5.5	4.2	3.6	6.2	5.3	4.1		5.8	5.1	4		5.3	4.8	3.7		3.6	115
120	6.3	5.3	4.1	3.6	6.1	5.2	3.9	3.4	5.7	5	3.8	3.4	5.2	4.7	3.7	3.2	3.4	120
125	6.1	5.1	3.9	3.5	5.9	5	3.9	3.4	5.6	4.8	3.7	3.3	5.1	4.6	3.6	3.2	3.2	125
130	5.9	4.9	3.8	3.4	5.8	4.8	3.7	3.3	5.4	4.7	3.6	3.2	5	4.4	3.5	3.1	3	130
135	5.7	4.7	3.7	3.3	5.6	4.6	3.6	3.2	5.3	4.5	3.5	3.2	4.8	4.3	3.4	3	2.9	135
140	5.4	4.6	3.6	3.3	5.4	4.5	3.5	3.2	5.2	4.4	3.4	3.1	4.6	4.2	3.3	3		140
145	5.2	4.4	3.5	3.2	5.2	4.3	3.4	3.1	5.1	4.3	3.4	3.1	4.4	4.1	3.2	3		145
150	5	4.2	3.4	3.1	5	4.2	3.3	3.1	4.9	4.1	3.3	3	4.2	4	3.1	2.9		150
155	4.9	4.1	3.3	3	4.9	4.1	3.3	3	4.8	4	3.2	2.9	4	3.9	3.1	2.9		155
160	4.7	4	3.2	3	4.7	4	3.2	2.9	4.6	3.9	3.1	2.9	3.9	3.8	3	2.8		160
165	4.5	3.8	3.1	2.9	4.5	3.8	3.1	2.9	4.5	3.8	3	2.8	3.7	3.7	2.9	2.8		165
170	4.4	3.7	3.1	2.9	4.4	3.7	3.1	2.8	4.3	3.7	3	2.8	3.6	3.5	2.9	2.7		170
175	4.2	3.6	3	2.8	4.2	3.6	3	2.8	4.2	3.6	2.9	2.7	3.4	3.4	2.8	2.7		175
180	4.1	3.5	2.9	2.8	4.1	3.5	2.9	2.8	4.1	3.5	2.9	2.7	3.3	3.2	2.7	2.7		180
185	3.9	3.4	2.9	2.8	4	3.4	2.9	2.7	3.9	3.4	2.8	2.7	3.1	3.1	2.7	2.6		185
190	3.8	3.3	2.8	2.7	3.9	3.4	2.8	2.7	3.8	3.3	2.7	2.7	3	2.9	2.7	2.6		190
195	3.7	3.3	2.7	2.7	3.8	3.3	2.7	2.7	3.7	3.3	2.7	2.7	2.9	2.8	2.6	2.6		195
200	3.6	3.2	2.7	2.7	3.6	3.2	2.7	2.7	3.6	3.2	2.7	2.7	2.8	2.7	2.6	2.6		200
205	3.5	3.1	2.7	2.7	3.5	3.1	2.7	2.7	3.5	3.1	2.6	2.6	2.6	2.6	2.6	2.6		205
210	3.4	3.1	2.7	2.7	3.4	3.1	2.7	2.7	3.4	3.1	2.5	2.6	2.5	2.5	2.5	2.5		210
215	3.2	3	2.7	2.7	3.3	3	2.7	2.7	3.2	3	2.5	2.6	2.4	2.4	2.4	2.5		215
220	3	2.9	2.7	2.7	3	3	2.7	2.7	2.8	3	2.5	2.6	2.3	2.3	2.3	2.4		220
225	2.6	2.9	2.7		2.7	2.9	2.7	2.7	2.5	2.9	2.5	2.6	2.2		2.2	2.3		225
230		2.8	2.7			2.9	2.7	2.7		2.9	2.5	2.6				2.2		230
235		2.5	2.7			2.6	2.7	2.7		2.6	2.5	2.6				2.2		235
240						2.3	2.5				2.5	2.6						240
245												2.5						245
I	92				92				92/46				92				100	I
II	92				92				92/92				92				100	II
III	92				92				92/92				92				100	III
IV	46				46				92/92				92				100	IV
V	0				46				46/92				92				100	V

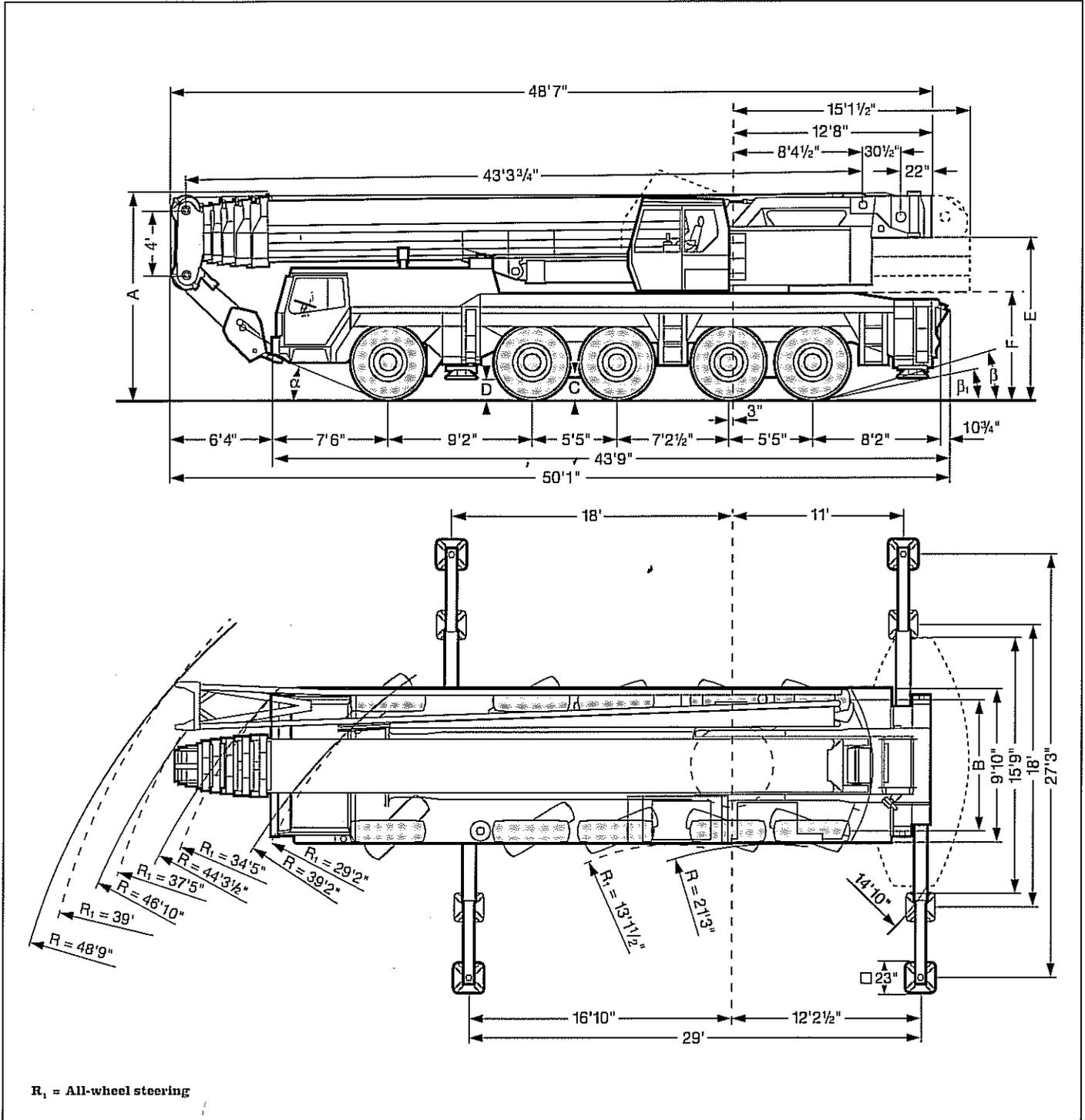
* four-parted folding jib

Lifting heights.

Folding jib.



Dimensions.



 16.00 R 25	A	A ₆ ^{***}	B	C	Dimensions mm		F	α	β	β ₁
					D	E				
	13'2"	12'7 ¹ / ₄ "	8'5"	18'1/2"	14 ³ / ₄ "	10'1"	6'11 ¹ / ₂ "	23°	16°	11°

* lowered

Weights.



Axle	1	2	3	4	5	Total weight
lbs	26500	26500	26500	26500	26500	132500



Load (kips)	No. of sheaves	No. of lines	Weight lbs
176	9	18	5290
150	7	14	3240
110	5	11	2760
75	3	7	1985
33	1	3	1675
11	-	1	860

Working speeds.



	1	2	3	4	5	R	
							
mph	9.3	14.3	22.3	33	47	8	-
mph 	5	8	13	19.3	27.3	4.7	45 %
	16.00 R 25						



Drive	infinitely variable	Rope diameter / Rope length	Max. single line pull
	0 - 460 ft/min single line	1 1/2" / 970'	22800 lbs
	0 - 460 ft/min single line	1 1/2" / 970'	22800 lbs
	0 - 1.5 rpm		
	approx. 50 seconds to reach 83° boom angle		
	approx. 400 seconds for boom extension from 43 ft - 197 ft		

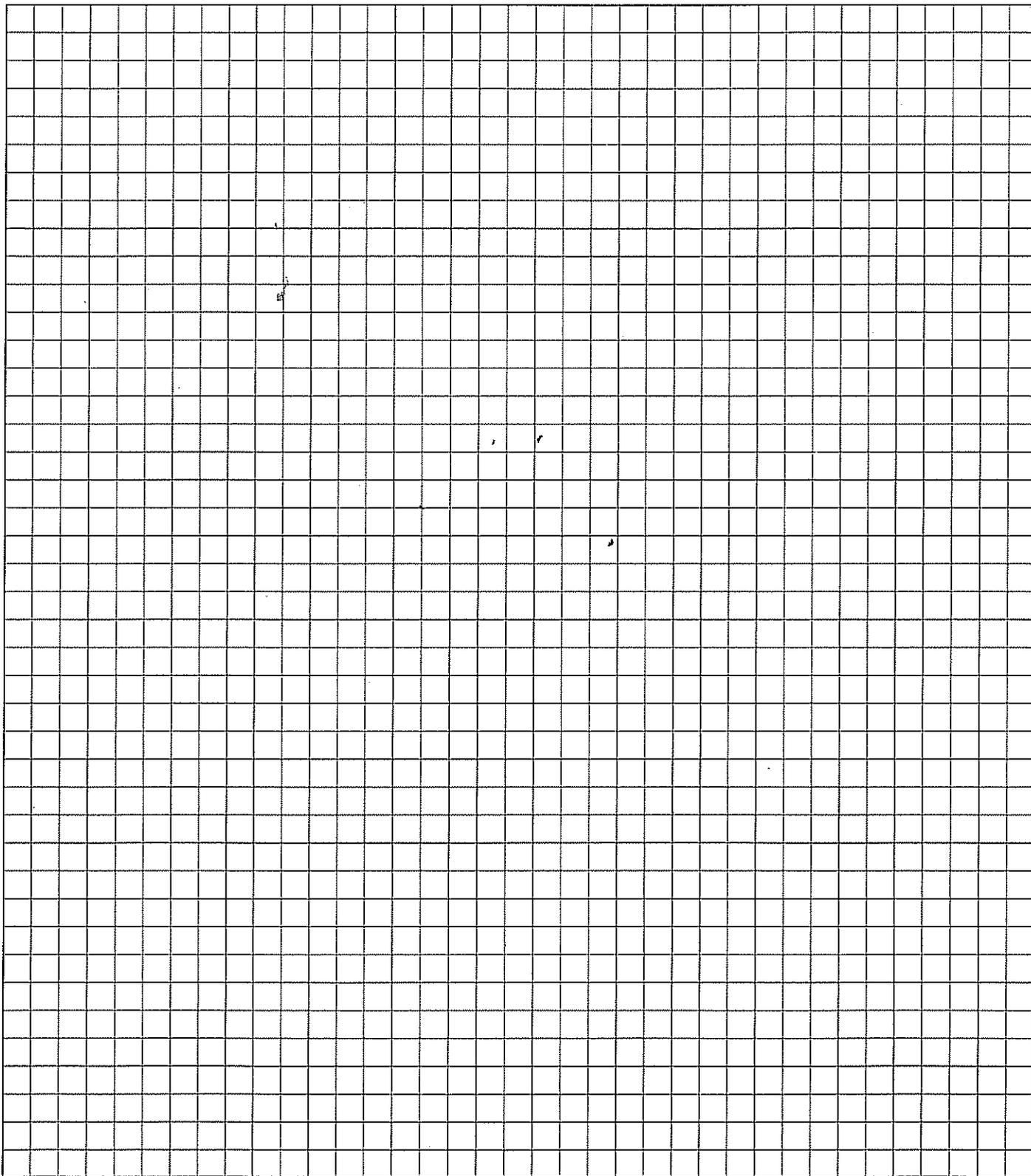
Crane carrier.

Frame:	Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel.
Outriggers:	4 sliding beams with hydraulic extension cylinders and hydraulic support pad jacks. Front outriggers mounted between axles 1 and 2, rear outriggers at rear of truck chassis.
Engine:	Diesel, 8 cylinder, watercooled, make Liebherr, type D 9408 TI-E, output 400 kW DIN (544 HP) at 2100 rpm, acc. to ECE-R 24.03 and ECE-R 49.02 (EURO II), max. torque 1640 lbs-ft at 1575 rpm. Fuel tank capacity: 92 gallons.
Transmission:	Allison, type CLBT 755, automatic transmission with torque converter and hydrodynamic retarder brake. 5 forward speeds, 1 reverse. Transfer case with differential, off-road range and additional activation of front wheel drive.
Axles:	Heavy duty crane truck axles, all 5 axles sprung. All axles steered. Axles 1, 2, 4 and 5 are planetary axles, intermediate differential at axle 4, all driven axles with transverse differential.
Cardan shafts:	All cardan shafts with 70° diagonal toothing.
Suspension:	All axles with hydropneumatic suspension and automatic levelling. Load equalization between axle pairs 1 + 2 and 4 + 5. Axles can be locked hydraulically.
Tyres:	10 tyres, all axles with single tyres. Tyre size: 16.00 R 25.
Steering:	ZF semi-integral power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit.
Brakes:	Service brake: Servo-air brakes acting on all wheels, dual circuit system. Hand brake: Spring loaded, acting on all wheels of axles 2 to 5.
Operator's cab:	Large-area, galvanized all-steel cab with resilient mountings, safety glass windows and full range of instruments.
Electrical system:	24 V DC, 2 batteries, lighting according to countries' regulations.

Crane superstructure.

Frame:	Liebherr-made torsion resistant, welded construction of high-tensile steel. Linked to crane carrier by a triple roller slewing ring for 360° continuous rotation.
Crane engine:	Diesel, 4 cylinder, watercooled, make Liebherr, type D 924 TI-E, output 149 kW DIN (203 HP) at 1800 rpm, acc. to ISO 8178 C 1 acc. to California Smoke Cycle, max. torque 656 lbs-ft at 1400 rpm. Fuel tank capacity: 79 gallons.
Crane drive:	Diesel-hydraulic, with 2 axial piston swivelling pumps with servo control and automatic output regulation.
Crane control:	By 2 self-centering control levers (joy-sticks).
Hoist gear:	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring loaded static brake.
Luffing gear:	Differential hydraulic ram with nonreturn valves.
Slewing gear:	Axial piston fixed displacement motor, planetary gear, slewing pinion and spring loaded static brake.
Crane cab:	All-steel construction, equipped conveniently, controls and instruments, ergonomically arranged. Cab tiltable backwards.
Safety devices:	LICCON safe load indicator, hoist limit switch, safety valves against rupture of pipes and hoses.
Telescopic boom:	1 base section and 5 telescopic sections. Individual hydraulic extension of all sections. Boom length: 43 ft - 197 ft.
Folding jib:	Double folding jib 40 ft - 118 ft long for mounting on telescopic boom at 0°, 15°, 30° and 45°.
Electrical system:	24 V DC, 2 batteries.

Notes.



Conventional 75 – 300 Ton

Hydraulic 5 – 190 Ton

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