

BAY CRANE

www.baycrane.com

LIEBHERR LTM 1100-4.2 – 100 Ton HYDRAULIC CRANE



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Lifting capacities on telescopic boom

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ft		38 ft		50 ft		62 ft		74 ft		86 ft		99 ft		111 ft		123 ft		135 ft		148 ft		156 ft		160 ft		170 ft		172 ft		182 ft		184 ft		197 ft		ft	
*																																					
9			143.8	142.3	142.9	142.3																												9			
10	223.4	141.8	141.6	141.4	141.2																														10		
11	172.1	139.2	139	138.8	138.7	137.2																													11		
12	164.6	136	135.9	135.6	135.6	134.9																													12		
13	156.4	132.1	132.3	131.9	131.9	131	113.4																												13		
14	148.6	126.2	126.7	126.6	126.5	126	113																												14		
15	141.5	120.1	120.8	121.1	120.9	120.9	112.3																												15		
16	134.8	114.5	115.3	115.5	115.8	115.5	110.7																												16		
17	128.2	109.5	110.5	110.8	111.2	110.7	107.8	92.5																											17		
18	121.8	105	106.2	106.7	106.8	106.2	104.1	92.6	76.5																										18		
20	110.6	96.3	97.8	98.6	98.4	97.8	96.9	92.2	76																										20		
22	101	89.2	90.6	91.9	92	91.6	90.9	88	75.6	62.1	50.7																								22		
24	93	82.6	84.2	85.6	85.9	85.6	84.9	83.2	74.9	61.7	50.5																								24		
26	85.8	76.4	78.5	79.7	80.1	79.9	79	77.8	74	61.3	51.1																								26		
28	78.7		73.5	74.6	74.9	74.7	73.9	72.9	70.2	60.7	50.9	36.6	42.2																						28		
30	62.9		68.6	69.7	69.9	69.7	69	68.2	66	59.8	50.6	36	42																						30		
32			63.9	65.1	65.5	65.3	64.5	64.1	61.9	58.2	50.4	35.3	41.8	30.9	35.1	27.8	28.7																	32			
34			59.6	60.9	61.3	61	60.2	60.1	58.2	55.5	49.7	34.7	41.6	30.7	34.9	27.6	28.6																	34			
36			55.5	56.8	57.3	56.8	56.2	56.2	54.8	52.2	48.8	34.2	41.5	30.4	34.6	27.4	28.5	23.6																36			
38				53.5	53.8	53.5	53.3	53.3	51.5	49	46	33.5	40.9	30	34.5	27.2	28.3	23.6																38			
40				50.3	50.5	50.3	50.6	50.5	48.4	46	43.5	32.9	40.1	29.6	34.3	27.1	28.2	23.6																40			
45				43.6	44	43.6	44.6	43.8	42.7	40.5	39	31.2	36.6	28.4	33.5	26.6	27.8	23.2																45			
50					38.4	38.9	39.1	38.5	37.6	36.3	34.7	29.5	32.9	27.3	30.7	25.8	27.2	23																50			
55					33.7	34.8	34.4	34.1	33.3	32.5	31.1	27.8	29.7	26	27.9	24.9	26	22.6																55			
60					30	30.9	30.5	30.5	29.8	29	28.1	26.2	26.8	24.7	25.5	23.8	24	21.8																60			
65						27.5	27.1	27.5	26.6	26.2	25.3	24.7	23.9	23.3	22.8	22.4	21.3	20.7																65			
70						24.8	24.8	24.9	24.5	23.9	22.9	22.6	21.5	21.2	20.4	20.2	19	18.6																70			
75							22.7	22.5	22.4	21.7	20.7	20.5	19.4	19.2	18.4	18.1	17	16.6																75			
80								20.7	20.3	20.3	19.6	18.7	18.5	17.4	17.4	16.6	16.3	15.2	14.8															80			
85									18.6	18.4	18	16.9	16.9	15.8	15.8	14.9	14.7	13.6	13.3															85			
90									16.9	16.7	16.3	15.5	15.3	14.2	14.2	13.4	13.3	12.2	11.8															90			
95										15.3	14.8	14.2	14	12.9	12.9	12.1	12.1	10.8	10.5															95			
100										14	13.5	12.9	12.9	11.8	11.8	10.9	10.9	9.6	9.4															100			
105										12.8	12.1	11.7	11.7	10.8	10.6	9.9	9.7	8.6	8.4															105			
110											11.1	10.7	10.7	9.8	9.7	8.9	8.9	7.8	7.5															110			
115											10.2	9.8	9.8	8.9	8.9	8	8	6.9	6.7															115			
120												8.9	8.9	8.1	8.1	7.2	7.2	6.1	5.9															120			
125												8.1	8.1	7.2	7.2	6.6	6.4	5.3	5															125			
130												7.3	7.4	6.4	6.6	5.7	5.7	4.6	4.5															130			
135													6.8	5.7	5.9	5	5.1	4	3.9															135			
140														5.1	5.2	4.4	4.6	3.5	3.3															140			
145														4.5	4.6	3.9	3.9	2.8	2.8															145			
150															4.1	3.2	3.4	2.3	2.3															150			
155																2.7	2.9																	155			
160																	2.4																	160			

* over rear

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†	187	01116	00	000
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1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 23 ft/s (7 m/s, 15.7 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centreline.
6. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
7. Lifting capacities above 153.2 kips / 181.2 kips only with additional pulley block/special equipment.
8. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Lifting capacities on telescopic boom

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	ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft		ft							
9		149.8	143.6	137.5	136.8														9								
10		144.9	142.7	137.3	136.7														10								
11		137	136.1	134.2	134	129.7													11								
12		129.5	129.7	129.6	129.2	126.3													12								
13		122.6	123.4	123.5	122.5	121.2	107.9												13								
14		116.5	117.3	117.5	117.2	115.3	104.2												14								
15		110.7	111.5	111.6	112	108.7	99.2												15								
16		105.2	106.3	106.2	106.3	100.4	91.7	84.7											16								
17		99.7	101.2	101.3	100.7	93.9	86.2	81.3											17								
18		94.3	95.9	96.8	94.9	88.6	82.2	77.2	69.9										18								
20		83.7	85.8	87.5	83.8	78.4	74.2	69.3	65.4										20								
22		75.1	77.8	77.6	74.1	69.4	66.8	62.4	59.2	54.4	46.7								22								
24		66.5	69.7	68.8	65.7	62.4	60.1	56.6	53.8	50.5	44.7								24								
26		57.7	61.6	61.1	58.4	57.3	54.1	51.7	49.1	46.6	43								26								
28			54.5	55.1	53.1	52.3	49.2	47.7	45.4	43.1	40.5	34.8	37.3						28								
30			47.9	49.5	48.3	47.6	45	44	42	39.9	37.9	34.2	35.1						30								
32			42.7	44.4	44.8	43.5	42.3	40.6	39	36.9	35.1	33.2	32.7	29.6	30.3	26.5	26.8		32								
34			38.2	40	41.3	40.1	39.4	37.6	36.1	34.2	32.4	31.6	30.3	28.7	28.6	26	25.7		34								
36			34.3	36.1	37.6	37	36.3	35	33.4	31.6	29.9	29.4	27.9	27.4	26.3	25.2	24.1	22.1	36								
38				33	34.5	34.3	33.8	32.5	31.1	29.5	27.8	27.4	25.9	25.4	24.4	23.6	22.4	20.6	38								
40				30.2	31.7	31.7	31.6	30.3	29	27.5	25.9	25.5	24	23.6	22.7	22	20.7	19.2	40								
45				24.6	26.2	26.2	26.7	25.4	24.4	23.1	21.7	21.5	20.1	19.9	18.8	18.3	17	15.8	45								
50					21.9	21.9	22.5	21.7	20.9	19.7	18.5	18.3	16.9	16.7	15.8	15.3	14.1	13.2	50								
55					18.3	18.4	19	18.6	17.8	16.8	15.7	15.6	14.3	14.1	13.2	12.8	11.7	10.9	55								
60					15.5	15.7	16.1	15.9	15.3	14.4	13.3	13.3	12	12	11.1	10.7	9.6	8.9	60								
65						13.3	13.9	13.7	13.3	12.4	11.5	11.3	10.2	10.2	9.3	9	7.9	7.3	65								
70						11.4	12.1	11.8	11.5	10.7	9.9	9.7	8.6	8.6	7.7	7.6	6.4	5.9	70								
75							10.4	10.2	10	9.2	8.5	8.4	7.3	7.3	6.4	6.3	5.1	4.7	75								
80							9	8.7	8.5	7.9	7.2	7.2	6.1	6.1	5.3	5	3.9	3.7	80								
85								7.6	7.4	6.9	6	6	4.9	4.9	4.3	4	2.9	2.7	85								
90								6.6	6.3	5.7	5.2	5.2	4.1	4.1	3.2	3.2			90								
95									5.4	4.8	4.3	4.3	3.2	3.3	2.4	2.4			95								
100									4.6	4	3.5	3.5							100								
105									3.8	3.3	2.9	2.9							105								
110										2.6	2.2	2.2							110								
115										2.1									115								

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Lifting capacities on telescopic boom

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	ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft		ft					
9		149.4	143.5	137.5	136.8														9						
10		144	142.4	137.2	136.6														10						
11		136.1	135.6	133.6	133.6	128.6													11						
12		128.7	128.9	128.7	128.4	123.8													12						
13		121.9	122.5	122.7	121.5	116.8	104.6												13						
14		115.5	116.3	116.5	114.4	107	96.5												14						
15		109.2	110.3	110.3	106.9	97.6	88.7												15						
16		102.9	104.7	104	98.3	90.6	84.2	79.1											16						
17		97	99.2	97.7	91.4	84.6	79.9	74.6											17						
18		91.4	93.5	91.4	85.6	79.4	75.5	70.4	64.5										18						
20		80.4	82.3	79.3	74.4	69.5	67	62.3	59.2										20						
22		70.2	71.6	69.1	65.6	62.8	59.6	56.3	53.2	49.4	41.9								22						
24		60.3	62.3	60.6	58.4	56.5	53.6	51	48.3	45.2	39.5								24						
26		50.8	54.5	53.8	52.9	50.6	48.9	46.4	44.4	41.7	38.7								26						
28			47.9	48.3	48	45.9	44.6	42.4	40.5	38.2	35.8	33.9	33.2						28						
30			41.9	43.3	43.4	41.7	40.6	38.7	36.8	34.8	32.7	32	30.3						30						
32			37.2	38.8	39.5	37.9	37.1	35.3	33.7	31.8	30	29.3	27.7	26.6	25.2	24.8	23.4		32						
34			33.2	35	36.1	34.6	34	32.4	30.9	29.2	27.5	26.9	25.4	25	23.7	23.1	21.7		34						
36			29.7	31.5	33	31.7	31.2	29.9	28.3	26.8	25.2	24.8	23.2	22.8	21.7	21	19.7	18.4	36						
38				28.6	30.2	29.2	28.9	27.6	26.3	24.8	23.3	22.9	21.5	21	20.1	19.4	18.1	16.8	38						
40				26	27.6	27	26.8	25.5	24.4	22.9	21.6	21.2	19.8	19.4	18.5	17.9	16.6	15.3	40						
45				20.8	22.4	22.3	22.4	21.3	20.4	19	17.9	17.6	16.3	16.1	15	14.7	13.4	12.4	45						
50					18.4	18.4	18.9	18	17.2	16.1	15	14.8	13.6	13.4	12.3	12.1	10.9	10	50						
55					15.3	15.3	15.9	15.4	14.6	13.6	12.6	12.4	11.3	11.1	10.1	9.9	8.7	8	55						
60					12.9	12.9	13.5	13.1	12.4	11.4	10.5	10.3	9.2	9.2	8.3	8.1	6.8	6.3	60						
65						10.8	11.5	11.1	10.6	9.7	8.8	8.8	7.5	7.5	6.6	6.6	5.3	4.8	65						
70						9.1	9.8	9.5	9	8.2	7.4	7.3	6.1	6.2	5.4	5.2	4	3.6	70						
75							8.3	8	7.7	6.8	6.2	6	4.9	5.1	4.2	4.1	2.9		75						
80							7	6.6	6.5	5.7	5	5	3.9	3.9	3.1	3.1			80						
85								5.6	5.4	4.7	4	4	2.9	2.9		2			85						
90								4.7	4.5	3.8	3.2	3.2		2.2					90						
95									3.7	3.1	2.4	2.4							95						
100										2.9	2.4								100						
105										2.4									105						

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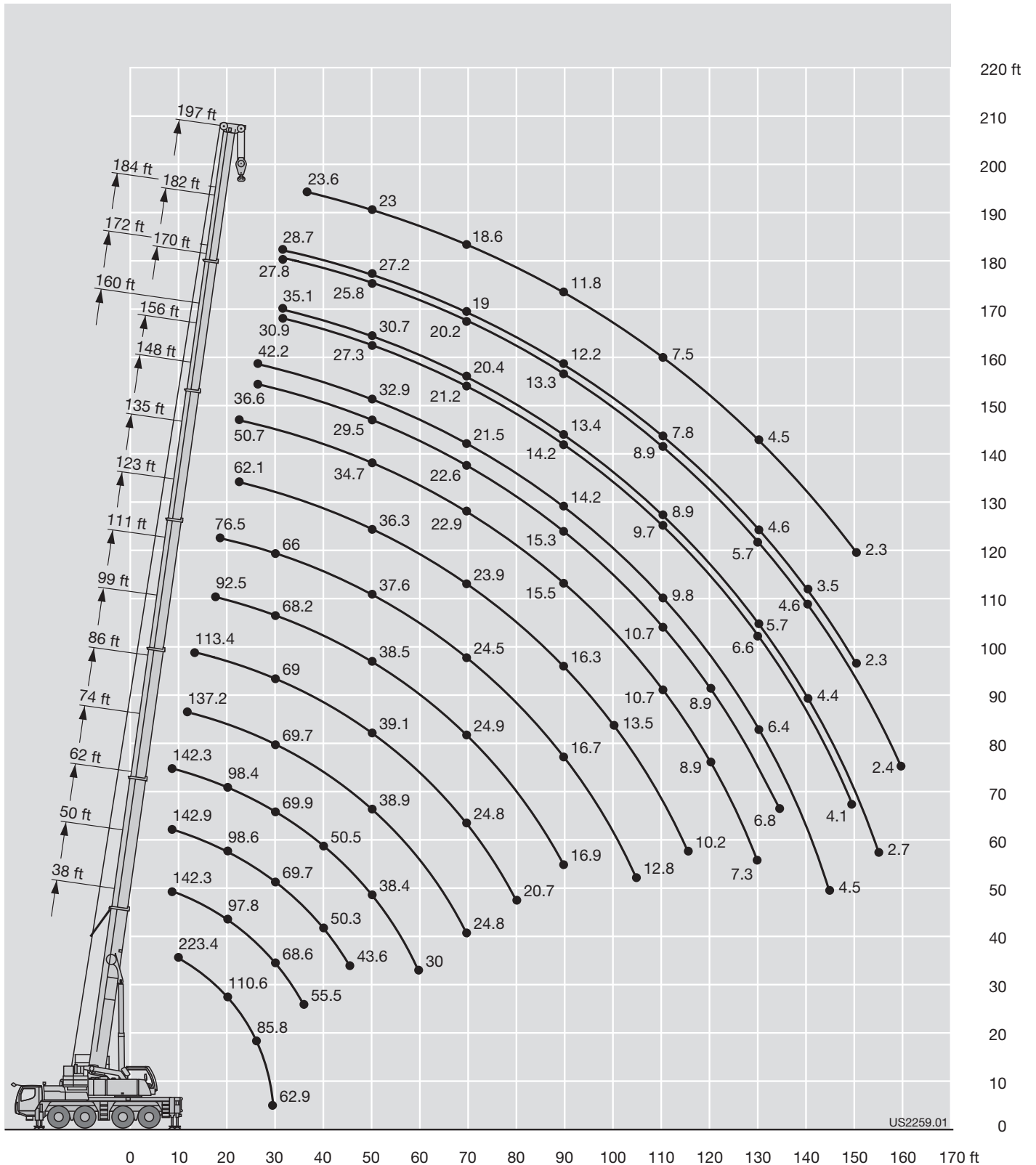
Lifting capacities on telescopic boom

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	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft				
9	149.3	143.4	137.5	136.8														9			
10	143.8	142.2	137.2	136.6														10			
11	135.9	135.2	133.4	133.2	126.9													11			
12	128.4	128.5	128.4	127.6	120.6													12			
13	121.3	122.1	122.2	119.8	112.2	100.1												13			
14	114.7	115.6	116.1	110.7	102	93.1												14			
15	108.2	109.3	109.4	101.6	92.7	86.4												15			
16	101.5	103.4	101.2	93.2	86.7	81.7	75.6											16			
17	95.4	97.1	94	86.5	81.4	77	71.3											17			
18	89.8	90.7	87.5	81	76.7	72.4	67.4	60.8										18			
20	78.5	78.1	75	70.6	67.6	63.5	59.9	56										20			
22	67	67.5	65.3	62.4	59.9	56.4	54	50.5	47.2	39.2								22			
24	56.8	58.6	57.2	55.6	53.4	50.6	48.7	45.8	43	36.6								24			
26	47.6	51.4	50.6	50.1	47.9	46.2	44	41.7	39.1	36.2								26			
28		45.2	45.5	45.3	43.3	42	39.9	37.8	35.5	33.3	32.3	30.8						28			
30		39.5	40.7	40.8	39.1	38	36.1	34.2	32.2	30.3	29.6	28.1						30			
32		34.9	36.5	36.9	35.4	34.7	32.8	31.3	29.4	27.7	27.1	25.5	24.4	23.2	22.8	21.2		32			
34		31	32.8	33.5	32.2	31.7	30.1	28.8	26.9	25.4	24.8	23.3	22.9	21.7	21.2	19.7		34			
36		27.5	29.3	30.6	29.2	29	27.7	26.3	24.8	23.2	22.8	21.3	21	19.7	19.3	17.9	16.4	36			
38			26.5	28	26.9	26.8	25.5	24.3	22.9	21.4	21	19.6	19.3	18.2	17.6	16.3	15	38			
40			24.1	25.6	24.8	24.8	23.5	22.4	21.1	19.6	19.4	18.1	17.7	16.8	16.2	14.8	13.8	40			
45			19	20.6	20.6	20.6	19.5	18.6	17.4	16.3	16.1	14.7	14.5	13.6	13.1	11.8	10.9	45			
50				16.9	17	17.4	16.4	15.7	14.6	13.5	13.4	12.1	12	11	10.7	9.5	8.6	50			
55				14	14	14.6	13.9	13.2	12.1	11.1	11.1	9.9	9.9	8.8	8.6	7.5	6.7	55			
60				11.6	11.7	12.2	11.8	11.2	10.1	9.2	9.2	8.1	8.1	7	6.8	5.7	5.1	60			
65					9.7	10.4	9.9	9.5	8.6	7.7	7.7	6.4	6.6	5.5	5.5	4.4	3.9	65			
70					8.2	8.7	8.4	7.9	7.2	6.3	6.3	5.1	5.2	4.3	4.3	3	2.7	70			
75						7.3	7.1	6.7	6	5.1	5.2	4.1	4.1	3.2	3.2			75			
80						6.1	5.9	5.7	4.8	4	4.2	3.1	3.1					80			
85							4.7	4.7	3.8	3.1	3.2	2	2.3					85			
90							3.8	3.8	3.1	2.3	2.5							90			
95								3	2.4									95			
100								2.3										100			

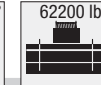
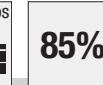
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Lifting capacities on the hydraulically or mechanically variable folding jib

TK/TNZK

		 38 – 197 ft T		 35 ft K NZK				 360°		 62200 lbs		 85%																			
 ft	38 ft			111 ft			123 ft			135 ft			148 ft			160 ft			 ft												
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft															
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°													
9	32.6																		9												
10	32.6																		10												
11	32.6																		11												
12	32.6																		12												
13	32.6																		13												
14	32.6																		14												
15	32.6																		15												
16	32.6	30.9																	16												
17	32.5	30.3																	17												
18	32.2	29.7		32.6															18												
20	31.6	28.5		32.6															20												
22	30.5	27.4		32.6			32.6												22												
24	29.5	26.3		32.6			32.6												24												
26	28.6	25.3	22.8	32.6			32.6			29.6			26.2						26												
28	27.5	24.5	22.1	32.6	30.5		32.6			29.3			26.1			22.4			28												
30	26.4	23.8	21.5	32.6	30.3		32.6			29.1			26			22.3			30												
32	25.4	23	20.9	32.6	29.8		32.6	28.8		28.9			26			22.3			32												
34	24.3	22.3	20.4	32.6	29.2		32.5	28.4		28.8			25.9			22.3			34												
36	23.2	21.6	19.9	32.6	28.7		32.2	28		28.7			25.8			22.3			36												
38	22.3	21.1	19.5	32.6	28.2	22.9	31.8	27.5		28.3	26		25.7			22.1			38												
40	21.3	20.6	19.1	32.5	27.6	22.6	31.4	27		27.9	25.7		25.5			22			40												
45	19	19.2	18.4	31.9	26.3	22	30.2	26	21.7	27.2	24.7	21	25	23.7		21.9	21.5		45												
50	17.2	18.1	17.8	30.8	25.2	21.3	29.2	25	21.1	26.6	23.9	20.5	24.5	23	20.1	21.6	21.1		50												
55				29	24.2	20.7	27.3	24.1	20.5	25.7	23.2	20.1	23.7	22.4	19.7	21.2	20.7	18.8	55												
60				26.6	23.2	20.2	24.6	23.2	20	24.2	22.4	19.8	22.4	21.7	19.3	20.8	20.2	18.5	60												
65				23.7	22.4	19.7	21.7	22.4	19.7	21.7	21.7	19.2	20.9	21	19	19.8	19.9	18.1	65												
70				21.2	21.5	19.2	19.2	20.5	19.2	20.5	20.3	18.9	19.4	19.9	18.7	18.3	18.8	17.9	70												
75				18.9	20	18.8	17	18.5	18.6	19	19	18.5	17.7	18.6	18.1	16.9	17.5	17.5	75												
80				17	18.1	18.3	15.4	16.5	17.6	17.2	17.8	17.8	16.1	17.2	17.4	15.6	16.1	16.7	80												
85				15.3	16.4	17.3	14.6	14.7	15.8	15.5	16.6	16.8	15.1	15.5	16.4	14.4	14.4	15.5	85												
90				13.8	14.7	15.5	13.9	13.5	14.1	14.5	15.1	15.7	14	14	14.9	13.1	13.5	14	90												
95				12.4	13.3	13.9	13.3	12.7	12.8	13.6	13.7	14.4	12.9	13.1	13.5	11.8	12.6	12.8	95												
100				11.2	12	12.6	12.6	12.2	12	12.7	12.6	13.1	11.8	12.5	12.4	10.7	11.5	11.9	100												
105				10.1	10.8	11.2	12.1	11.7	11.5	11.7	11.9	11.9	10.8	11.5	11.9	9.7	10.4	11.2	105												
110				9.1	9.8	10.1	11.3	11.2	11.1	10.7	11.2	11.4	9.8	10.5	10.9	8.7	9.4	10.2	110												
115				8.1	8.8	8.9	10.4	10.6	10.7	9.8	10.3	10.7	8.9	9.6	10	7.8	8.5	9.2	115												
120				7.2	7.8	7.8	9.6	9.9	10	8.9	9.4	9.8	8.1	8.7	9.2	7	7.7	8.3	120												
125				6.3	6.8	6.7	8.8	9.2	9.2	8.1	8.5	8.8	7.2	7.9	8.3	6.4	7	7.5	125												
130				5.5	5.9		7.9	8.4	8.4	7.4	7.7	7.9	6.7	7.2	7.5	5.7	6.2	6.8	130												
135							7.2	7.7	6.9	6.8	7	7.2	6.1	6.6	6.8	5	5.5	6.1	135												
140										6.1	6.3	6.5	5.4	5.9	6.1	4.4	4.9	5.4	140												
145										5.5	5.7	5.8	4.8	5.2	5.4	3.9	4.3	4.8	145												
150										4.9	5.2	4.8	4.3	4.5	4.8	3.4	3.8	4.1	150												
155													3.8	4	4.1	2.9	3.3	3.6	155												
160													3.3	3.5		2.4	2.8	3	160												
165													2.8	3		1.9	2.1	2.3	165												
170																1.4	1.8	1.8	170												

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Lifting capacities on the hydraulically or mechanically variable folding jib

TK/TNZK

38 – 197 ft T 35 ft NZK 360° 62200 lbs 85%																
ft	170 ft			172 ft			182 ft			184 ft			197 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	15.7			18.8												32
34	15.7			18.7												34
36	15.7			18.7			14.1			14.8						36
38	15.7			18.7			14.1			14.8			12.4			38
40	15.7			18.7			14.1			14.8			12.4			40
45	15.7			18.7			14.1			14.8			12.4			45
50	15.5	15.6		18.6	18.6		14.1	14.1		14.6	15		12.4			50
55	15.3	15.3		18.4	18.4	17.6	14	14		14.6	14.9		12.4	12.4		55
60	15	14.9	14.7	18.2	18.3	17.4	13.9	13.9		14.5	14.7		12.3	12.4		60
65	14.8	14.4	14.2	17.9	18.1	17.2	13.7	13.7	13.7	14.4	14.6	14.4	12.2	12.4	12.1	65
70	14.5	13.9	13.8	16.8	17.6	16.9	13.5	13.4	13.4	14.3	14.3	13.9	12	12.4	12	70
75	14.1	13.5	13.4	15.8	16.5	16.6	13.4	13	12.9	14.1	13.9	13.5	11.9	12.2	11.9	75
80	13.5	13.1	12.9	14.8	14.9	15.9	13.1	12.7	12.5	13.4	13.5	13.1	11.8	11.9	11.9	80
85	13	12.6	12.6	13.3	13.5	14.4	12.6	12.4	12.2	12.4	13	12.8	11.3	11.7	11.7	85
90	12.5	12.3	12.1	12	12.8	13.1	11.8	12	11.8	11.1	12.1	12.5	10.5	11.2	11.4	90
95	11.7	11.9	11.7	10.7	11.9	12.3	10.7	11.5	11.5	9.8	11	11.7	9.4	10.4	10.9	95
100	10.7	11.4	11.4	9.6	10.9	11.5	9.6	10.7	11	8.7	9.8	10.7	8.3	9.4	10.2	100
105	9.5	10.4	11	8.6	9.7	10.4	8.6	9.5	10.4	7.7	8.6	9.5	7.3	8.4	9	105
110	8.6	9.4	10	7.8	8.7	9.4	7.8	8.6	9.4	6.7	7.6	8.5	6.4	7.4	8	110
115	7.8	8.5	9.1	6.9	7.8	8.5	6.9	7.7	8.3	5.8	6.7	7.5	5.6	6.5	7.1	115
120	7	7.6	8.3	6.1	7	7.6	6.1	6.8	7.4	5	5.9	6.5	4.8	5.6	6.3	120
125	6.1	6.8	7.4	5.3	6.1	6.8	5.3	6.1	6.6	4.4	5.2	5.7	4.1	4.8	5.5	125
130	5.5	6.1	6.6	4.6	5.5	5.9	4.8	5.5	5.9	3.7	4.4	5	3.5	4.1	4.8	130
135	4.9	5.5	5.9	4	4.8	5.2	4.1	4.8	5.2	3.2	3.8	4.3	2.8	3.5	4.1	135
140	4.4	4.9	5.2	3.5	4.2	4.6	3.5	4.1	4.6	2.6	3.2	3.7	2.2	2.9	3.5	140
145	3.9	4.3	4.6	3	3.7	3.9	3	3.5	3.9	2.1	2.6	3		2.4	2.8	145
150	3.4	3.8	4.1	2.5	3.2	3.4	2.5	3	3.4	1.6	2.1	2.3		1.9	2.3	150
155	2.9	3.3	3.6	2	2.7	2.9	2	2.5	2.8		1.6	1.8			1.8	155
160	2.4	2.8	3		2.2	2.4		2	2.3							160
165	1.9	2.3	2.3													165
170	1.6	1.8	1.8													170

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Lifting capacities on the hydraulically or mechanically variable folding jib

TK/TNZK

38 – 197 ft T 62 ft K NZK 360° 62200 lbs 85%																			
ft	38 ft			111 ft			123 ft			135 ft			148 ft			160 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
9	14.7																		9
10	14.5																		10
11	14.4																		11
12	14.3																		12
13	14.1																		13
14	14.1																		14
15	14.1																		15
16	13.9																		16
17	13.8																		17
18	13.6																		18
20	13.2																		20
22	12.9			14.6															22
24	12.7			14.5															24
26	12.4			14.4			13.9			13									26
28	12.1			14.2			13.8			13			12.4						28
30	11.8	11		14.1			13.6			13			12.3						30
32	11.6	10.7		13.9			13.5			12.8			12.2			11.2			32
34	11.3	10.4		13.7			13.4			12.7			12.1			11.2			34
36	11	10.2		13.5			13.2			12.6			12.1			11.2			36
38	10.9	10		13.3			13.1			12.4			12			11.1			38
40	10.7	9.9		13.2			13			12.3			11.9			11			40
45	10.2	9.4		12.9	10.6		12.6	10.6		12			11.7			10.8			45
50	9.7	9		12.4	10.3		12.2	10.3		11.8	10.2		11.4			10.7			50
55	9.2	8.7	8	12	10.1		11.8	10.1		11.5	10		11.2	9.8		10.5	9.4		55
60	8.7	8.3	7.7	11.6	9.9	8.4	11.6	9.9		11.2	9.7		11	9.6		10.3	9.2		60
65	8.2	8	7.7	11.3	9.5	8.2	11.3	9.5	8.2	10.8	9.5	8.2	10.6	9.3		10.2	9.1		65
70	7.7	7.8	7.6	11	9.3	8.2	11	9.3	8.2	10.7	9.2	8	10.4	9.1	8	10	8.9		70
75	7.2	7.7	7.5	10.6	9.2	8.1	10.6	9.2	8.1	10.4	8.9	7.9	10.2	8.9	7.9	9.7	8.7	7.8	75
80	6.8	7.7	7.5	10.3	9	7.9	10.3	9	7.9	10.1	8.8	7.9	9.9	8.8	7.9	9.4	8.6	7.7	80
85	6.4			10.2	8.6	7.7	10.2	8.8	7.7	9.9	8.6	7.7	9.7	8.6	7.7	9.3	8.4	7.7	85
90				9.8	8.4	7.7	9.8	8.7	7.7	9.8	8.4	7.7	9.5	8.4	7.7	9.3	8.4	7.6	90
95				9.5	8.4	7.7	9.6	8.5	7.7	9.6	8.4	7.7	9.4	8.4	7.6	9.1	8.3	7.5	95
100				9.2	8.3	7.7	9.4	8.3	7.7	9.4	8.3	7.7	9.2	8.3	7.5	8.8	8.1	7.5	100
105				9	8.2	7.5	9	8.2	7.5	9	8.2	7.5	8.8	8.2	7.5	8.6	7.9	7.5	105
110				8.7	8	7.5	8.5	8	7.5	8.7	8	7.5	8.7	8	7.5	8.3	7.9	7.5	110
115				8.4	7.9	7.5	8.2	7.9	7.5	8.5	7.9	7.5	8.4	7.9	7.5	8	7.8	7.5	115
120				8	7.9	7.5	7.9	7.8	7.5	8.3	7.9	7.5	8	7.9	7.5	7.6	7.7	7.5	120
125				7.7	7.7	7.5	7.7	7.5	7.5	7.9	7.7	7.5	7.7	7.7	7.5	6.8	7.5	7.5	125
130				7	7.5	7.5	7.4	7.1	7.3	7.6	7.5	7.5	7.2	7.4	7.5	6.1	7.1	7.3	130
135				6.3	7	7.2	7.2	6.9	7.2	7.2	7.2	7.5	6.6	7.2	7.2	5.6	6.6	7	135
140				5.7	6.3	6.7	6.9	6.8	7	6.8	6.9	7.3	6	6.8	7	5.1	6	6.6	140
145				5	5.7	5.8	6.6	6.6	6.8	6.1	6.6	6.8	5.5	6.3	6.8	4.6	5.4	6.1	145
150				4.3	5	5	6.2	6.4	6.6	5.6	6.2	6.5	4.9	5.6	6.3	4.1	4.8	5.4	150
155				3.8	4.3		5.8	6.1	6.2	5.1	5.8	6	4.4	5.1	5.6	3.6	4.2	4.9	155
160							5.3	5.7		4.6	5.3	5.4	3.9	4.6	5	3.1	3.8	4.4	160
165							4.8	5.2		4.1	4.7	4.8	3.5	4.1	4.5	2.6	3.4	3.9	165
170							4.5			3.8	4.1	4.3	3.1	3.6	4	2.3	2.9	3.4	170
175										3.3	3.7		2.6	3.2	3.4	1.9	2.4	2.9	175
180													2.2	2.8	2.8		2	2.4	180
185													1.9	2.3	2.3				185
190													1.6	1.8					190

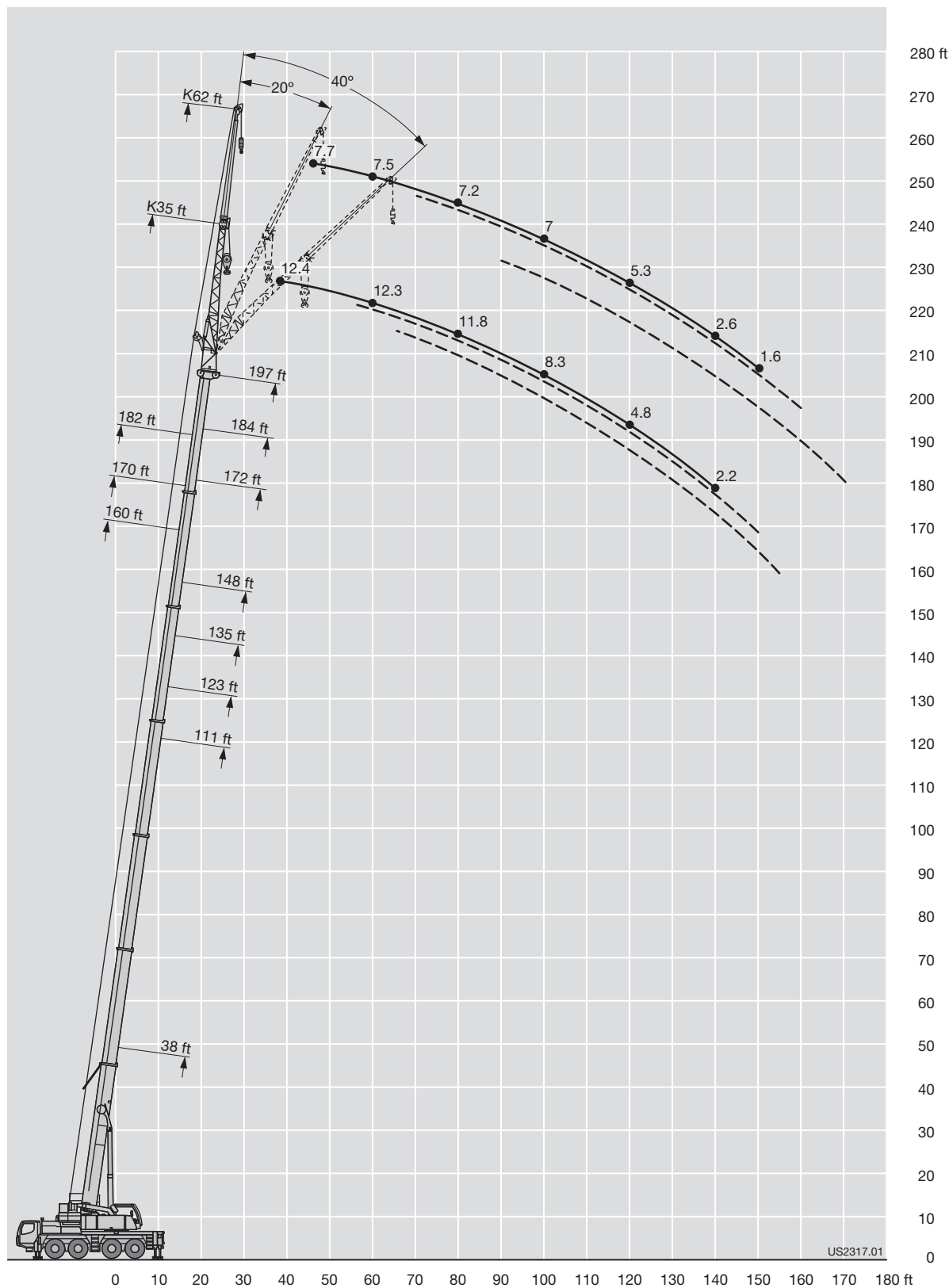
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Lifting capacities on the hydraulically or mechanically variable folding jib

TK/TNZK

38 – 197 ft T 62 ft K NZK 360° 62200 lbs 85%																
ft	170 ft			172 ft			182 ft			184 ft			197 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36				10.1												36
38	9.3			10												38
40	9.2			9.9												40
45	9.1			9.9			8.4			8.8			7.7			45
50	8.9			9.8			8.4			8.7			7.6			50
55	8.8			9.6			8.3			8.6			7.5			55
60	8.8			9.5			8.2			8.6			7.5			60
65	8.6	8.2		9.3	8.6		8.2	7.9		8.4	8		7.5			65
70	8.6	8.2		9.3	8.5		8	7.8		8.4	7.9		7.4	7.3		70
75	8.5	8.1		9.2	8.4	7.7	7.9	7.7		8.3	7.8		7.3	7.3		75
80	8.3	7.9		9	8.3	7.7	7.9	7.7		8.2	7.7		7.2	7.2		80
85	8.2	7.9	7.5	8.8	8.2	7.5	7.9	7.5	7.3	8.2	7.7	7.3	7.1	7.1		85
90	8.2	7.8	7.5	8.7	8	7.5	7.8	7.5	7.3	8	7.7	7.3	7.1	7.1	7.1	90
95	8.1	7.7	7.4	8.5	7.9	7.5	7.7	7.5	7.3	7.9	7.6	7.3	7.1	7.1	7.1	95
100	7.9	7.7	7.3	8.3	7.9	7.4	7.7	7.4	7.3	7.8	7.5	7.3	7	7.1	7.1	100
105	7.9	7.5	7.3	8.2	7.7	7.3	7.5	7.3	7.3	7.5	7.5	7.3	6.8	7.1	7.1	105
110	7.8	7.5	7.3	7.8	7.7	7.3	7.3	7.3	7.3	7	7.3	7.3	6.5	6.9	7.1	110
115	7.6	7.5	7.3	7.3	7.6	7.3	6.9	7.3	7.3	6.3	7.3	7.3	5.9	6.7	7.1	115
120	7.2	7.4	7.3	6.6	7.4	7.3	6.4	7.2	7.2	5.5	7	7.2	5.3	6.4	7	120
125	6.6	7.3	7.3	5.9	7.2	7.3	5.7	7	7	4.8	6.4	7	4.6	5.9	6.8	125
130	5.9	6.9	7.1	5.2	6.6	7.3	5	6.3	6.9	4.1	5.7	6.5	3.9	5.2	6.3	130
135	5.4	6.3	6.9	4.7	5.9	6.8	4.5	5.7	6.5	3.6	5	5.9	3.2	4.6	5.7	135
140	4.8	5.7	6.5	4.2	5.2	6.1	4	5	5.9	3.1	4.3	5.2	2.6	4	5	140
145	4.1	5.2	5.9	3.7	4.6	5.4	3.5	4.3	5.2	2.6	3.7	4.5	2.1	3.4	4.3	145
150	3.6	4.5	5.4	3.2	4.1	4.8	3	3.8	4.7	2.1	3.2	3.9	1.6	2.8	3.7	150
155	3.3	4	4.7	2.7	3.6	4.2	2.5	3.3	4.1	1.6	2.7	3.3		2.2	3.1	155
160	2.8	3.6	4.2	2.2	3.1	3.6	2	2.8	3.5		2.2	2.8		1.8	2.6	160
165	2.4	3.2	3.7	1.7	2.6	3		2.4	3			2.3			2.1	165
170	2	2.7	3.2	1.4	2	2.7		2	2.5			1.8			1.6	170
175	1.7	2.4	2.6		1.7	2.2		1.5	2							175
180		1.9	2.2			1.7										180
185			1.9													185
190			1.4													190

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Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

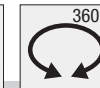
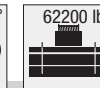
TVK/TVNZK

		 38–197 ft T			 23 ft V			 35 ft NZK						 360°			 62200 lbs			85%					
 ft	38 ft + 23 ft			160 ft + 23 ft			170 ft + 23 ft			172 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			195 ft + 23 ft			197 ft + 23 ft			 ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
9	12.4																								9
10	12.4																								10
11	12.4																								11
12	12.4																								12
13	12.4																								13
14	12.4																								14
15	12.3																								15
16	12.2																								16
17	12.1																								17
18	12.1																								18
20	12.1																								20
22	11.8	12.4																							22
24	11.6	12.3																							24
26	11.5	12.1																							26
28	11.4	11.9																							28
30	11.2	11.6																							30
32	10.7	11.2	11.7																						32
34	10.4	10.9	11.4																						34
36	10.2	10.6	11	12.4																					36
38	9.8	10.2	10.6	12.4				10.6			11.2														38
40	9.4	9.8	10.3	12.3				10.6			11.2														40
45	8.7	9	9.4	12.2				10.6			11.1			9.5			9.9			8.6			8.4		45
50	8.1	8.3	8.7	12.1	12.4			10.6			11	11.2		9.5			9.9			8.5			8.2		50
55	7.4	7.6	8	12	12.2			10.5	10.7		10.9	11.2		9.5	9.7		9.8	10.1		8.4	8.6		8.2	8.4	55
60	6.7	7	7.4	11.9	11.8			10.3	10.6		10.8	11		9.5	9.7		9.7	10.1		8.4	8.6		8.2	8.4	60
65	6.2	6.5	6.7	11.7	11.5	11.3		10.2	10.4	10.2	10.8	11	10.8	9.3	9.5		9.7	9.9		8.4	8.6		8.2	8.4	65
70	5.7	6.1	6.3	11.4	11.2	11	10	10.1	9.9	10.7	10.7	10.5	9.3	9.5	9.4	9.7	9.9	10	8.4	8.6	8.4	8.2	8.4	8.2	70
75	5.2	5.6		11.2	10.8	10.5	9.8	9.7	9.6	10.5	10.4	10.2	9.2	9.4	9.2	9.6	9.8	9.7	8.3	8.6	8.4	8.2	8.4	8.2	75
80	4.7	4.9		10.9	10.5	10.1	9.7	9.4	9.4	10.3	10.1	9.8	9	9.2	9	9.5	9.6	9.4	8.2	8.6	8.4	8.1	8.3	8.2	80
85				10.4	10	9.7	9.5	9.3	9.1	10.2	9.7	9.5	8.8	8.8	8.8	9.5	9.3	9.3	8.2	8.4	8.4	8	8.2	8.2	85
90				10.1	9.6	9.4	9.2	8.9	8.7	9.8	9.4	9.3	8.7	8.7	8.5	9.3	9.1	8.9	8.2	8.2	8.2	7.9	8	8	90
95				9.7	9.3	9.2	8.8	8.6	8.5	9.5	9.2	9.1	8.5	8.4	8.3	8.8	8.9	8.7	8	8	8.1	7.8	7.8	7.8	95
100				9.3	8.9	8.9	8.5	8.3	8.3	9.1	8.9	8.7	8.3	8.1	8.1	8.1	8.7	8.5	7.6	7.7	7.9	7.5	7.7	7.7	100
105				8.8	8.6	8.6	8.2	8.2	7.9	8.4	8.6	8.4	7.9	7.9	7.9	7.3	8.2	8.4	7.1	7.5	7.7	6.8	7.5	7.5	105
110				8.3	8.3	8.3	7.8	7.8	7.8	7.5	8.3	8.2	7.3	7.6	7.6	6.4	7.3	7.9	6.2	7	7.4	6	6.8	7.3	110
115				7.6	7.9	7.9	7.3	7.5	7.5	6.7	7.6	7.8	6.5	7.2	7.3	5.6	6.5	7.1	5.4	6.3	6.8	5.2	6	6.8	115
120				6.8	7.5	7.6	6.5	7.1	7.2	5.9	6.7	7.2	5.7	6.5	6.9	4.8	5.6	6.3	4.6	5.5	6.1	4.4	5.3	6.1	120
125				6.1	6.8	7.2	5.7	6.6	6.8	5.3	5.9	6.4	5	5.7	6.3	4.1	4.8	5.5	3.9	4.8	5.3	3.7	4.6	5.2	125
130				5.5	6.1	6.6	5.2	5.7	6.3	4.6	5.2	5.7	4.4	5	5.5	3.5	4.1	4.8	3.3	4.1	4.6	3	3.9	4.4	130
135				4.8	5.5	5.9	4.6	5.1	5.7	3.9	4.6	5	3.7	4.3	4.8	2.8	3.5	4.1	2.7	3.5	3.9	2.5	3.2	3.7	135
140				4.2	4.8	5.2	4	4.6	5	3.3	3.9	4.3	3.1	3.8	4.2	2.2	2.9	3.5	2.1	2.8	3.3	1.9	2.6	3.1	140
145				3.7	4.1	4.5	3.5	3.9	4.3	2.8	3.2	3.7	2.6	3.2	3.7		2.4	2.8		2.1	2.8		2.1	2.6	145
150				3.2	3.6	3.9	3	3.4	3.8	2.3	2.7	3.2	2.1	2.7	3		1.9	2.3		1.6	2.1		1.6	2.1	150
155				2.7	3.1	3.3	2.5	2.9	3.2	1.8	2.4	2.7	1.6	2.2	2.5			1.8			1.6				155
160				2.3	2.6	2.8	2	2.4	2.7		2	2.2			2										160
165				1.9	2.1	2.4		1.9	2.3																165
170				1.4	1.8	2		1.6	1.8																170

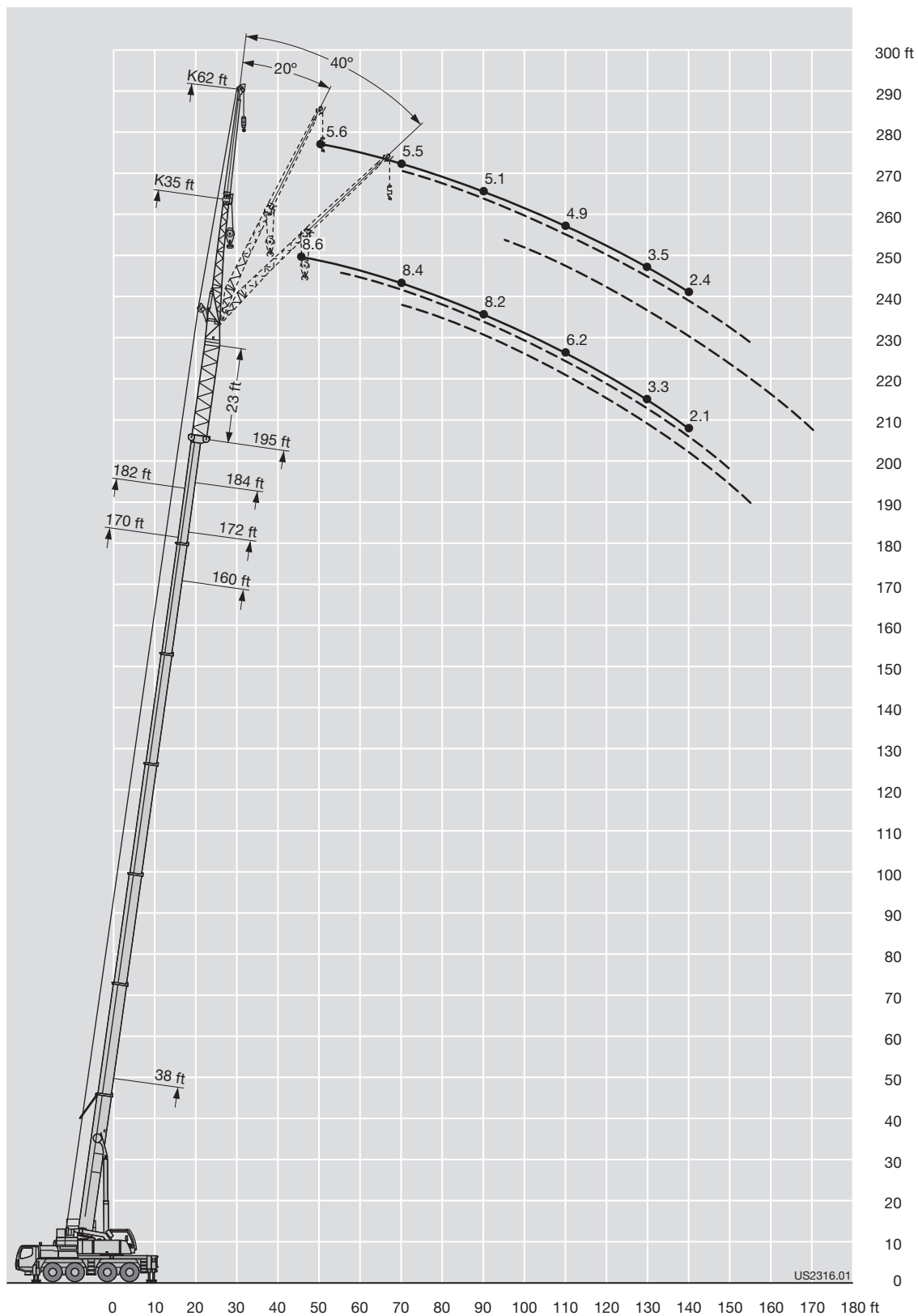
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Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

TVK/TVNZK

		 38—195 ft T			 23 ft V			 62 ft NZK						 360°			 62200 lbs			85%														
 ft	38 ft + 23 ft			160 ft + 23 ft			170 ft + 23 ft			172 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			195 ft + 23 ft			 ft												
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft															
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°													
13	7.9																					13												
14	7.9																					14												
15	7.9																					15												
16	7.9																					16												
17	7.9																					17												
18	7.9																					18												
20	7.9																					20												
22	7.8																					22												
24	7.7																					24												
26	7.7																					26												
28	7.7																					28												
30	7.7																					30												
32	7.7																					32												
34	7.6																					34												
36	7.5	7.3																				36												
38	7.5	7.3																				38												
40	7.5	7.3																				40												
45	7.1	7.3			7.9			6.8			7.3											45												
50	6.8	7			7.8			6.8			7.1			6.2			6.4			5.6		50												
55	6.4	6.7			7.7			6.8			7.1			6.2			6.4			5.5		55												
60	5.9	6.3	6.6		7.7			6.6			7.1			6.2			6.4			5.5		60												
65	5.6	6	6.2		7.7			6.6			7.1			6.2			6.4			5.5		65												
70	5.2	5.7	5.9	7.7	7.3		6.6	6.2		7.1	6.6		6			6.4	6		5.5			70												
75	5	5.3	5.5	7.6	7.3		6.6	6.2		7	6.6		6	5.7		6.3	6		5.4	5.3		75												
80	4.8	5	5.3	7.5	7.3		6.6	6.2		6.8	6.6		6	5.7		6.2	6		5.3	5.3		80												
85	4.4	4.7	5.1	7.5	7.3	6.8	6.6	6.2		6.8	6.6		6	5.7		6.2	6		5.3	5.3		85												
90	4.3	4.5	4.8	7.3	7.1	6.7	6.5	6.2	6	6.8	6.6	6.4	6	5.7	5.5	6.2	6	5.7	5.1	5.3		90												
95	4	4.2	4.4	7.2	6.8	6.5	6.4	6.1	6	6.7	6.5	6.4	6	5.7	5.5	6.2	6	5.7	5.1	5.3	5.1	95												
100	3.7	3.9		7	6.6	6.3	6.3	6	6	6.6	6.3	6.3	5.9	5.7	5.5	6.2	6	5.7	5	5.2	5.1	100												
105	3.5	3.8		6.8	6.4	6.2	6.2	6	6	6.4	6.2	6.2	5.7	5.5	5.5	6.2	6	5.7	4.9	5.1	5.1	105												
110				6.5	6.2	6	6	5.8	5.8	6.4	6.2	6	5.7	5.5	5.5	6	5.8	5.7	4.9	5.1	5.1	110												
115				6.3	6.1	6	5.8	5.6	5.6	6.2	6.1	5.8	5.6	5.5	5.4	5.6	5.7	5.6	4.7	5.1	5.1	115												
120				6.1	5.9	5.9	5.7	5.5	5.5	5.8	5.9	5.7	5.4	5.5	5.3	5	5.7	5.5	4.5	5	5.1	120												
125				5.9	5.7	5.7	5.5	5.3	5.3	5.5	5.7	5.5	5	5.3	5.3	4.4	5.5	5.5	4.1	4.8	5.1	125												
130				5.6	5.6	5.6	5.3	5.3	5.3	4.8	5.6	5.5	4.5	5.1	5.1	3.7	5.2	5.3	3.5	4.7	4.9	130												
135				5.1	5.4	5.4	4.8	5.2	5.2	4.3	5.3	5.4	4	4.9	5.1	3.2	4.6	5.2	2.9	4.3	4.9	135												
140				4.6	5.2	5.2	4.2	5	5	3.7	4.9	5.2	3.5	4.6	5	2.6	3.9	4.9	2.4	3.8	4.6	140												
145				3.9	5	5.1	3.7	4.8	4.8	3	4.3	5	2.8	4.1	4.8	2.1	3.2	4.3		3.2	4.1	145												
150				3.4	4.5	4.9	3.2	4.3	4.7	2.5	3.7	4.5	2.3	3.4	4.3	1.6	2.7	3.7		2.6	3.6	150												
155				3	4	4.6	2.7	3.8	4.4	2.2	3.1	4	1.9	2.9	3.8		2.2	3.1		2	3	155												
160				2.6	3.5	4.2	2.3	3.3	3.9	1.7	2.6	3.4		2.5	3.3		1.7	2.6			2.4	160												
165				2.1	3	3.7	1.9	2.8	3.4		2.1	2.8		2.1	2.8			2.1		1.9		165												
170				1.8	2.5	3.2		2.3	2.9		1.8	2.5		1.6	2.3			1.6			1.4	170												
175					2.1	2.6		1.9	2.4			2			1.8							175												
180					1.8	2.1			2													180												

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Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

TVK/TVNZK

		 38–195 ft			 46 ft			 35 ft						 360°			 62200 lbs			85%				
 ft	38 ft + 46 ft			160 ft + 46 ft			170 ft + 46 ft			172 ft + 46 ft			182 ft + 46 ft			184 ft + 46 ft			195 ft + 46 ft			 ft		
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
11	8.4																					11		
12	8.4																					12		
13	8.4																					13		
14	8.4																					14		
15	8.4																					15		
16	8.2																					16		
17	8.2																					17		
18	8.2																					18		
20	8.2																					20		
22	8.2																					22		
24	8.1																					24		
26	8	8.4																				26		
28	7.9	8.3																				28		
30	7.9	8.2																				30		
32	7.8	8.2																				32		
34	7.6	8.1																				34		
36	7.5	7.9	8.2																			36		
38	7.4	7.8	8																			38		
40	7.2	7.6	7.9																			40		
45	6.9	7	7.4	8.2			6.9			7.3			6.2			6.4						45		
50	6.4	6.6	6.9	8.2			6.8			7.3			6.2			6.4			5.5			50		
55	5.9	6.1	6.4	8.1	8.2		6.8	7.1		7.3	7.3		6.2			6.4			5.5			55		
60	5.5	5.7	5.9	7.9	8.1		6.8	7		7.2	7.3		6.2			6.4			5.5			60		
65	5.1	5.3	5.6	7.9	8	8.2	6.8	6.9		7.1	7.3		6.2	6.2		6.4	6.4		5.3	5.5		65		
70	4.8	5	5.2	7.8	7.9	7.9	6.7	6.8	6.9	7.1	7.3	7.4	6	6.2	6.4	6.3	6.4	6.6	5.3	5.5		70		
75	4.4	4.7	4.9	7.6	7.8	7.6	6.6	6.7	6.7	7.1	7.2	7.2	6	6.2	6.3	6.2	6.4	6.6	5.2	5.4	5.6	75		
80	4.2	4.4	4.5	7.5	7.5	7.4	6.6	6.6	6.6	7	7	7	6	6.1	6.2	6.2	6.4	6.6	5.1	5.3	5.5	80		
85	4	4.2	4.2	7.5	7.3	7.1	6.4	6.4	6.4	6.8	6.8	6.8	6	6	6.2	6.2	6.2	6.4	5.1	5.3	5.5	85		
90	3.7	3.9	4	7.2	7	6.9	6.2	6.2	6.2	6.8	6.7	6.7	6	6	6	6.2	6.2	6.4	4.9	5.1	5.4	90		
95	3.4	3.5	3.8	7	6.7	6.6	6.2	6.1	6.1	6.7	6.5	6.5	5.9	5.9	5.9	6.1	6.1	6.3	4.9	5.1	5.3	95		
100				6.7	6.6	6.3	6.1	5.9	5.9	6.6	6.3	6.3	5.7	5.7	5.7	6	6	6.1	4.8	5	5.2	100		
105				6.4	6.4	6.2	6	5.7	5.7	6.4	6.2	6.2	5.7	5.5	5.5	6	6	6	4.6	4.9	5.1	105		
110				6.2	6.1	6	5.8	5.6	5.6	6.2	6	6	5.6	5.3	5.3	5.6	5.8	5.8	4.6	4.9	5.1	110		
115				6.1	5.8	5.8	5.6	5.4	5.4	5.8	5.8	5.8	5.4	5.3	5.3	5.1	5.6	5.6	4.4	4.7	5	115		
120				5.8	5.7	5.7	5.4	5.2	5.2	5.3	5.6	5.7	5	5.2	5.2	4.4	5.2	5.4	4	4.6	4.8	120		
125				5.5	5.5	5.5	5	5.1	5.1	4.6	5.3	5.5	4.4	5	5.1	3.7	4.4	5	3.5	4.4	4.6	125		
130				5	5.3	5.3	4.5	4.9	4.9	4.1	4.8	5.2	3.7	4.5	4.9	3	3.7	4.4	2.8	3.5	4.1	130		
135				4.3	4.9	5	4	4.6	4.7	3.5	4.1	4.6	3.2	3.9	4.5	2.4	3.2	3.7	2.1	2.9	3.5	135		
140				3.8	4.3	4.6	3.5	4.1	4.4	2.9	3.5	4	2.6	3.3	3.9	1.8	2.6	3.1		2.4	2.9	140		
145				3.2	3.7	4.1	2.8	3.5	3.9	2.4	3	3.5	2.1	2.8	3.2			2.6			2.4	145		
150				2.7	3.2	3.6	2.5	3	3.4	1.9	2.5	3	1.6	2.3	2.7			1.9			1.9	150		
155				2.2	2.7	3.1	2	2.5	2.9		2	2.3		1.8	2.2							155		
160				1.8	2.3	2.6		2	2.4			1.8										160		
165				1.9	2.1				1.9													165		
170				1.4	1.6				1.4													170		

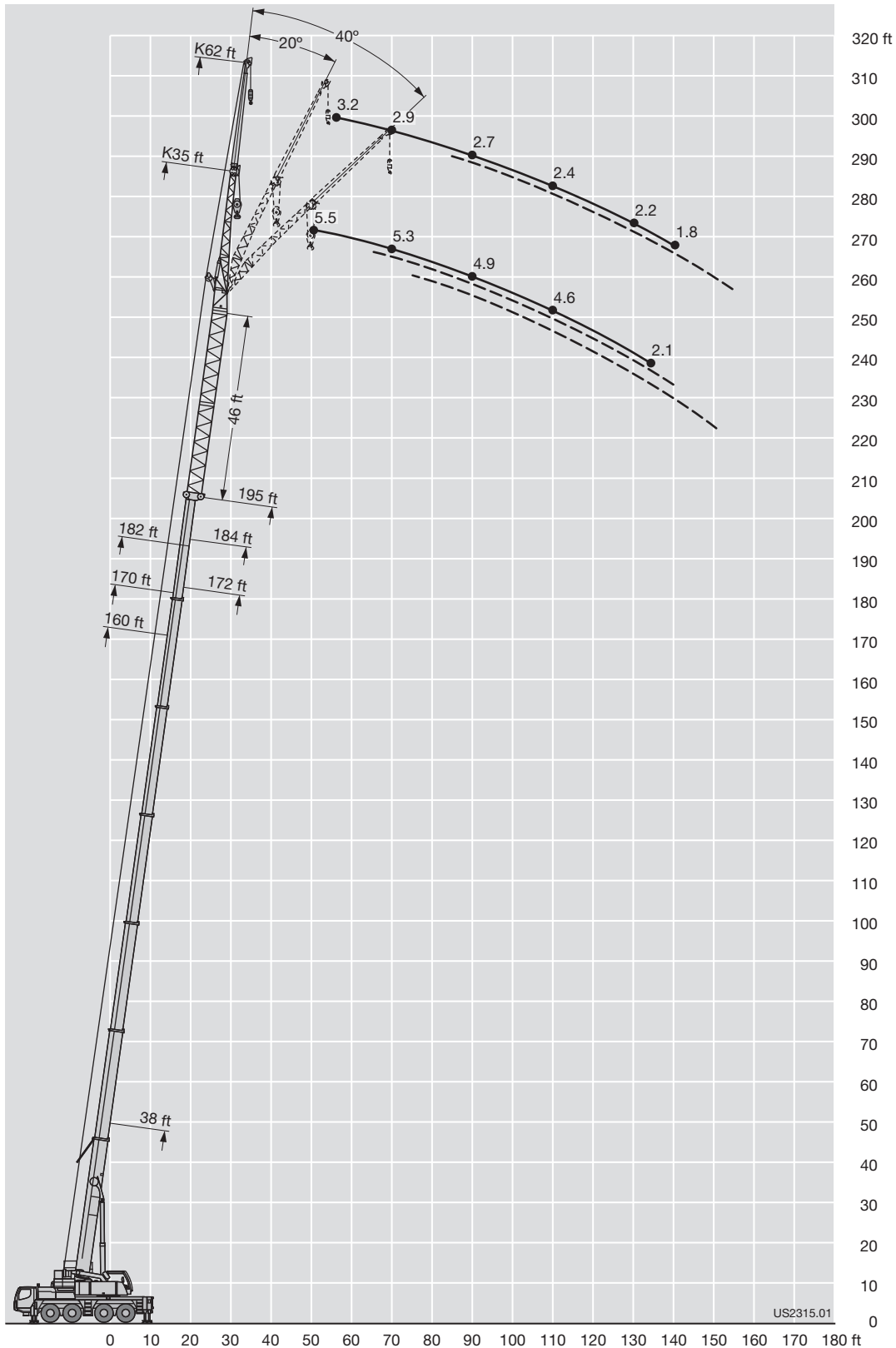
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Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

TVK/TVNZK

38 – 195 ft T 46 ft V 62 ft K NZK 360° 62200 lbs 85%																			
ft	38 ft + 46 ft			160 ft + 46 ft			170 ft + 46 ft		172 ft + 46 ft			182 ft + 46 ft		184 ft + 46 ft			195 ft + 46 ft		ft
	62 ft			62 ft			62 ft		62 ft			62 ft		62 ft			62 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	0°	20°	40°	0°	20°	0°	20°	40°	0°	20°	
16	5.5																		16
17	5.5																		17
18	5.5																		18
20	5.5																		20
22	5.4																		22
24	5.3																		24
26	5.3																		26
28	5.3																		28
30	5.3																		30
32	5.3																		32
34	5.3																		34
36	5.3																		36
38	5.2																		38
40	5.1	5.5																	40
45	5.1	5.3		5.5										4.4					45
50	4.9	5.3		5.4			4.6		4.9					4.4					50
55	4.8	5.2		5.3			4.6		4.9			4.1		4.3			3.2		55
60	4.6	5		5.3			4.6		4.9			4		4.2			3.1		60
65	4.4	4.7	4.9	5.3			4.6		4.9			4		4.2			2.9		65
70	4.1	4.5	4.7	5.3	5.4		4.5		4.7			4		4.2			2.9		70
75	3.9	4.2	4.4	5.2	5.3		4.4	4.6	4.6	4.9		3.9	4	4.1	4.3		2.8		75
80	3.7	3.9	4.2	5.1	5.3		4.4	4.6	4.6	4.9		3.8	4	4	4.2		2.7		80
85	3.5	3.8	4	5.1	5.3		4.4	4.6	4.6	4.9		3.8	4	4	4.2		2.7	2.9	85
90	3.2	3.6	3.8	5.1	5.1	5.1	4.4	4.6	4.6	4.9		3.6	4	4	4.2		2.7	2.9	90
95	3	3.3	3.5	5.1	5.1	5	4.4	4.6	4.6	4.7	4.6	3.5	3.9	3.9	4.1	4.2	2.5	2.8	95
100	2.8	3	3.3	5	5	4.8	4.4	4.6	4.6	4.6	4.6	3.5	3.8	3.8	4	4.1	2.4	2.7	100
105	2.7	2.9	3.1	4.9	4.9	4.6	4.4	4.4	4.6	4.6	4.6	3.5	3.8	3.8	4	4	2.4	2.7	105
110	2.5	2.7	2.9	4.7	4.7	4.6	4.2	4.2	4.5	4.5	4.5	3.4	3.6	3.6	3.8	4	2.4	2.7	110
115	2.3	2.5	2.8	4.6	4.5	4.5	4.2	4.2	4.4	4.4	4.4	3.3	3.5	3.5	3.8	4	2.3	2.5	115
120	2.1	2.4	2.6	4.6	4.4	4.4	4.1	4.1	4.4	4.4	4.4	3.3	3.5	3.5	3.8	3.9	2.2	2.4	120
125	2	2.2	2.4	4.4	4.4	4.2	4	4	4.2	4.2	4.2	3.3	3.5	3.5	3.7	3.8	2.2	2.4	125
130	1.8			4.2	4.2	4.2	3.8	3.8	4	4	4	3.3	3.4	3.2	3.6	3.8	2.2	2.4	130
135				4.1	4.1	4.1	3.8	3.8	3.6	4	4	3.2	3.3	2.7	3.5	3.8	2.1	2.4	135
140				3.8	3.9	3.9	3.6	3.7	3.1	3.8	3.9	2.9	3.3	2.2	3.3	3.7	1.8	2.4	140
145				3.5	3.8	3.8	3.2	3.5	2.6	3.5	3.8	2.4	3.3		2.8	3.5		2.4	145
150				3	3.8	3.8	2.7	3.3	2.1	3.2	3.8	1.9	2.9		2.3	3.3		2.1	150
155				2.5	3.5	3.6	2.2	3	1.7	2.7	3.5		2.5		1.8	2.8		1.6	155
160				2	3.1	3.4	1.7	2.7		2.3	3.1		2			2.2			160
165					2.6	3.2		2.3			2.6								165
170					2	2.7		1.8			2								170
175					1.7	2.2					1.5								175
180						1.8													180

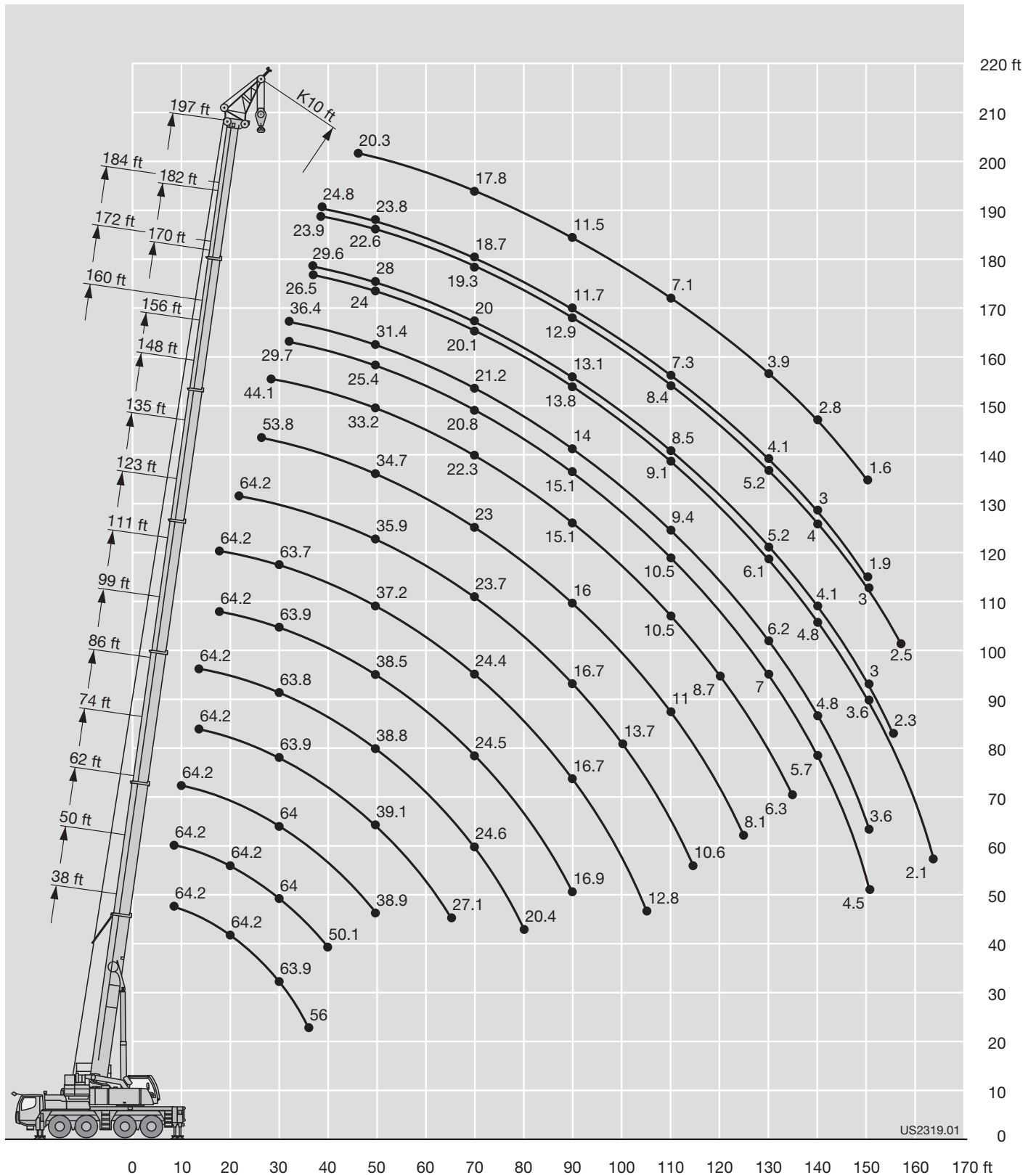
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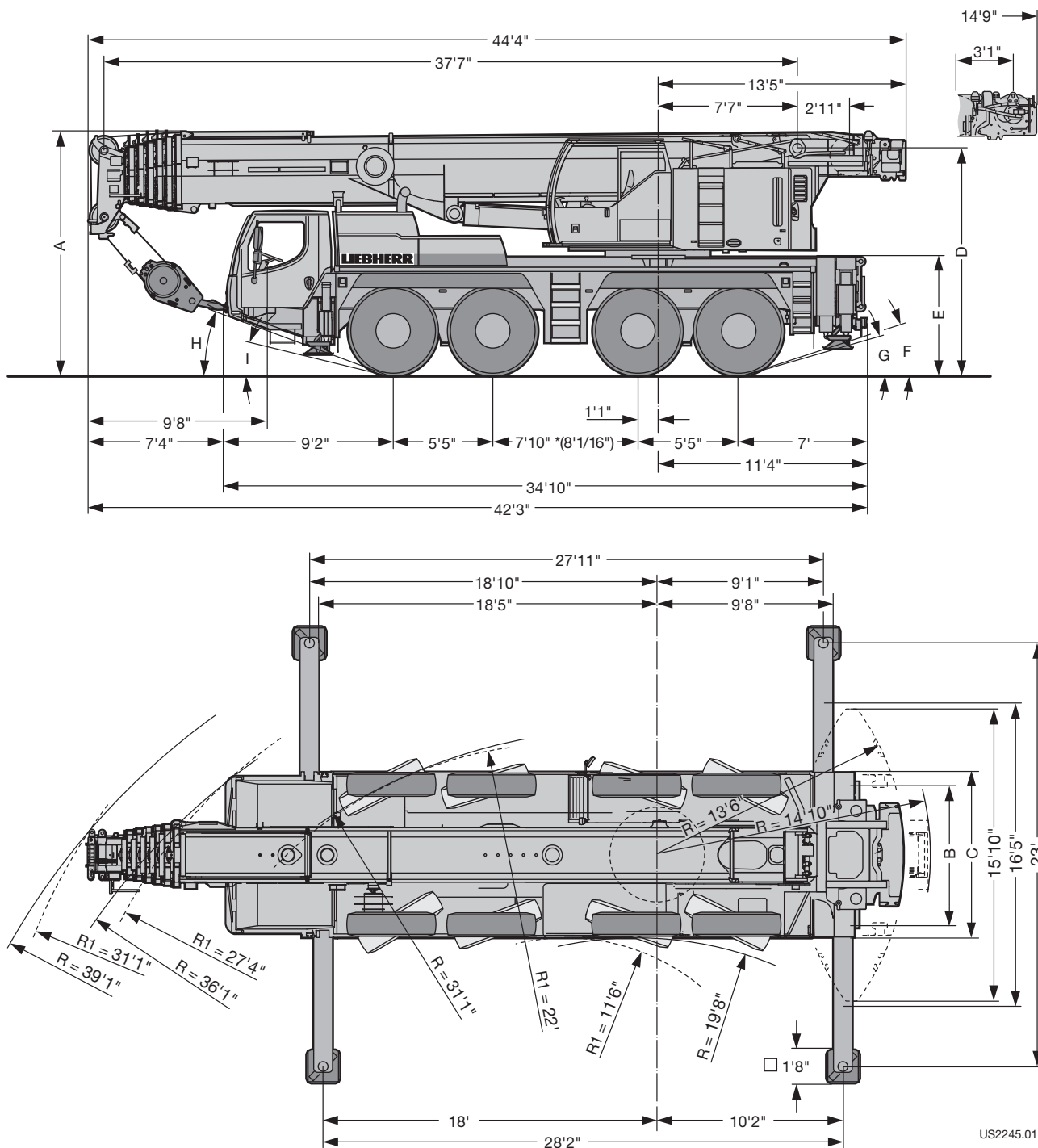
Lifting capacities on the erection jib

TK

		 38 – 197 ft T		 10 ft K				 360°		 62200 lbs		85%															
 ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft	 ft									
9	64.2	64.2																9									
10	64.2	64.2	64.2															10									
11	64.2	64.2	64.2															11									
12	64.2	64.2	64.2															12									
13	64.2	64.2	64.2	64.2	64.2													13									
14	64.2	64.2	64.2	64.2	64.2													14									
15	64.2	64.2	64.2	64.2	64.2													15									
16	64.2	64.2	64.2	64.2	64.2													16									
17	64.2	64.2	64.2	64.2	64.2													17									
18	64.2	64.2	64.2	64.2	64.2	64.2	64.2											18									
20	64.2	64.2	64.2	64.2	64.2	64.2	64.2											20									
22	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2										22									
24	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.1										24									
26	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64	53.8									26									
28	64.2	64.2	64.2	64.2	64.2	64.2	64.2	63.5	53.3	44.1								28									
30	63.9	64	64	63.9	63.8	63.9	63.7	62.4	52.8	43.8								30									
32	63	63.2	63.3	62.8	62.3	62.7	62	59.7	52.1	43.5	29.7	36.4						32									
34	60.1	60.5	60.8	60.3	60.1	60.3	59	56.5	50.9	43.2	29.3	36.1						34									
36	56	56.6	57.1	56.8	57.2	57	55.1	52.9	49.2	42.8	28.9	35.7	26.5	29.6				36									
38		53.2	53.5	53.8	54	53.5	52.1	49.5	46.7	42.1	28.5	35.6	26.1	29.4	23.9	24.8		38									
40		50.1	50.4	51	51	50.3	49.2	46.4	44.3	41.1	28.1	35.3	25.7	29.3	23.8	24.7		40									
45			44.2	44.6	44.2	43.6	42.3	40.6	39.1	36.9	26.7	34	24.9	28.8	23.2	24.3	20.3	45									
50			38.9	39.1	38.8	38.5	37.2	35.9	34.7	33.2	25.4	31.4	24	28	22.6	23.8	20.2	50									
55				34.4	34.1	34.1	33.1	32.1	31	29.6	24.1	28.4	23.1	26.4	21.9	23.3	19.9	55									
60				30.5	30	30.1	29.7	29	27.9	26.5	23	25.4	22.1	24.1	21.2	22.4	19.5	60									
65				27.1	26.7	27.3	26.8	26	25.2	24.1	22	23.4	21.1	22.3	20.4	20.9	19	65									
70					24.6	24.5	24.4	23.7	23	22.3	20.8	21.2	20.1	20	19.3	18.7	17.8	70									
75					22.6	22	22.1	21.5	21	20.5	19.5	19.1	18.7	17.9	17.7	16.6	16.2	75									
80					20.4	19.8	20.1	19.5	19.2	18.5	18.1	17.2	17	16.1	15.9	14.8	14.4	80									
85						18	18.4	18.2	17.5	16.7	16.6	15.5	15.3	14.4	14.2	13.1	12.9	85									
90						16.9	16.7	16.7	16	15.1	15.1	14	13.8	13.1	12.9	11.7	11.5	90									
95							15.3	15.1	14.6	13.8	13.7	12.7	12.5	11.7	11.6	10.5	10.3	95									
100							14	13.7	13.3	12.6	12.5	11.5	11.3	10.5	10.4	9.3	9.1	100									
105							12.8	12.6	12.1	11.5	11.5	10.4	10.1	9.5	9.3	8.2	7.9	105									
110								11.6	11	10.5	10.5	9.4	9.1	8.5	8.4	7.3	7.1	110									
115								10.6	9.9	9.6	9.6	8.5	8.2	7.6	7.5	6.5	6.3	115									
120									8.9	8.7	8.7	7.7	7.5	6.7	6.6	5.6	5.4	120									
125									8.1	7.9	7.9	7	6.8	5.9	5.9	4.8	4.6	125									
130										7	7	6.2	6.1	5.2	5.2	4.1	3.9	130									
135										6.3	6.3	5.5	5.5	4.7	4.6	3.6	3.4	135									
140											5.7	4.8	4.8	4.1	4	3	2.8	140									
145											5	4.1	4.1	3.5	3.5	2.4	2.1	145									
150											4.5	3.6	3.6	3	3	1.9	1.6	150									
155													3.1	2.3	2.5			155									
160													2.6					160									
165													2.1					165									



Dimensions



R₁ = All-wheel steering

* optional

	Dimensions								
	A	B	C	D	E	F	G	H	I
445/95 R 25 (16.00 R 25)	13'1"	7'7"	9'	12'2"	6'4"	18°	14°	21°	15°
525/80 R 25 (20.5 R 25)	13'1"	7'9"	9'6"	12'2"	6'4"	18°	17°	21°	15°

Weights



Axle	1	2	3	4	Total weight lbs
lbs	26400	26400	26400	26400	105600 ¹⁾

¹⁾ with 5500 lbs counterweight



Load kips	No. of sheaves	No. of lines	Weight lbs
220.5	7	14	2730
167.6	5	11	1540
110.2	3	7	1540
48.5	1	3	990
16.5	–	1	550

Working speeds



		1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
445/95 R 25 (16.00 R 25)	mph	1.28 – 3.7	4.8	6.2	8	10.1	13	17	21.9	28.2	36.2	46	50	1.4 – 4	5.2	48 %
525/80 R 25 (20.5 R 25)		0.3 – 0.9	1.2	1.5	1.9	–	–	–	–	–	–	–	–	0.3 – 1	1.2	61 %



Drive	infinitely variable	Rope diameter / length	Max. single line pull
	0 – 377 ft/min single line	0'7" / 820'	17310 lbs
	0 – 377 ft/min single line	0'7" / 820'	17310 lbs
	0 – 1.7 rpm		
	approx. 60 seconds to reach 82° boom angle		
	approx. 400 seconds for boom extension from 38 ft – 197 ft		

Equipment

Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	6-cylinder Diesel, make Liebherr, type D846 A7, watercooled, output 350 kW (476 h.p.) at 1900 rpm, max. torque 1645 lbs-ft at 1100 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 106 gallons.
Transmission	ZF 12-speed gear box with automatic control system AS-TRONIC. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
Axles	Welded design, made of high-tensile fine grained steel. All axles steerable. Axles 2, 3 and 4 are planetary axles with differential locks.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
Tyres	8 tyres, size: 445/95 R 25 (16.00 R 25).
Steering	ZF-servocom power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit. 1. and 2. axle mechanically, 3. and 4. axle hydromechanically speed regulated steered. Steering acc. to EC directive 70/311 EEC.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Hand brake: Spring-loaded, acting on all wheels of axles 1, 2 and 4. Sustained-action brake: Exhaust retarder with additional Liebherr braking system. Anti-lock device in conjunction with anti-skid control. Brakes acc. to EC directive 70/311 EEC.
Driver's cab	Spacious, steel made, corrosion resistant cab, cataphoretic dip-primed, on resilient suspension with hydraulic shock absorbers, sound and heat absorbing internal panelling acc. to EC directive, safety glazing, operating and control instruments, comfortably equipped.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
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Crane engine	4-cylinder Diesel, make Liebherr, type D934L A6, watercooled, output 129 kW (175 h.p.) at 1800 rpm, max. torque 601 lbs-ft at 1100 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3a and EPA/CARB Tier 3. Fuel reservoir: 66 gallons.
Crane drive	Diesel-hydraulic, with 1 axial piston variable displacement pump, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Control	Electric „Load Sensing“ control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with safety check valves.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as standard feature.
Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	Buckling and torsion resistant design of high-tensile structural steel, oviform boom profile, 1 base section and 6 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system “Telematik”. Boom length: 38 ft – 197 ft.
Counterweight	37900 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib	35 ft – 62 ft long, mountable to the telescopic boom at 0°, 20° or 40°. Hydraulic ram for operating the swing-away jib from 0° – 40° (option).
Telescopic boom extension	23 ft – 46 ft long lattice section, thus higher pinning point for swing-away jib.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	8 tyres, size 525/80 R 25 (20.5 R 25).
Drive 8 x 8	Additional drive of the 1 st axle.
Additional counterweight	24300 lbs for a total counterweight of 62200 lbs.

Other items of equipment available on request.

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