

STERLING CRANE



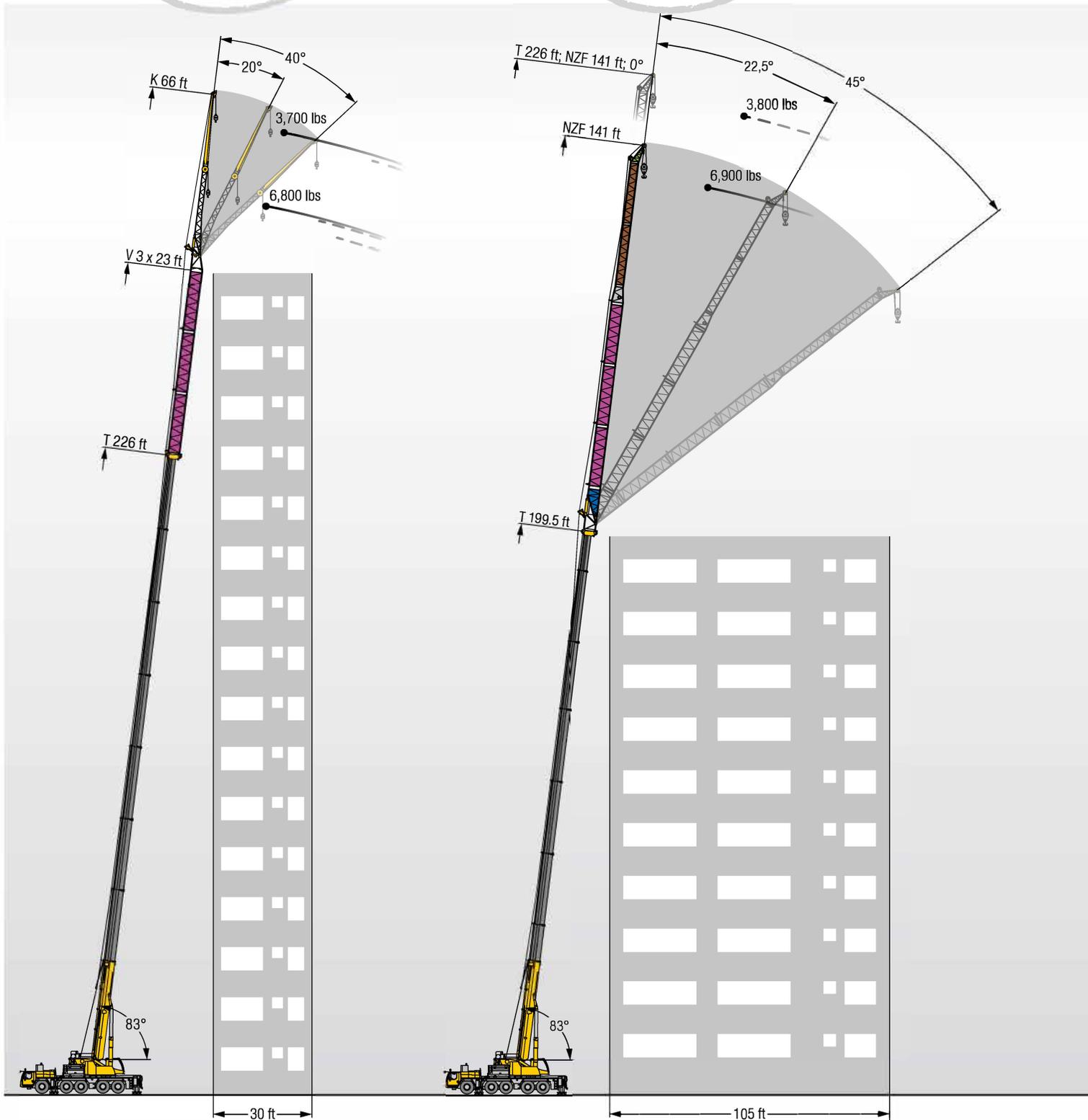
LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Variable boom systems Systèmes de flèche variables

**TVK
TVNZK**

TNZF

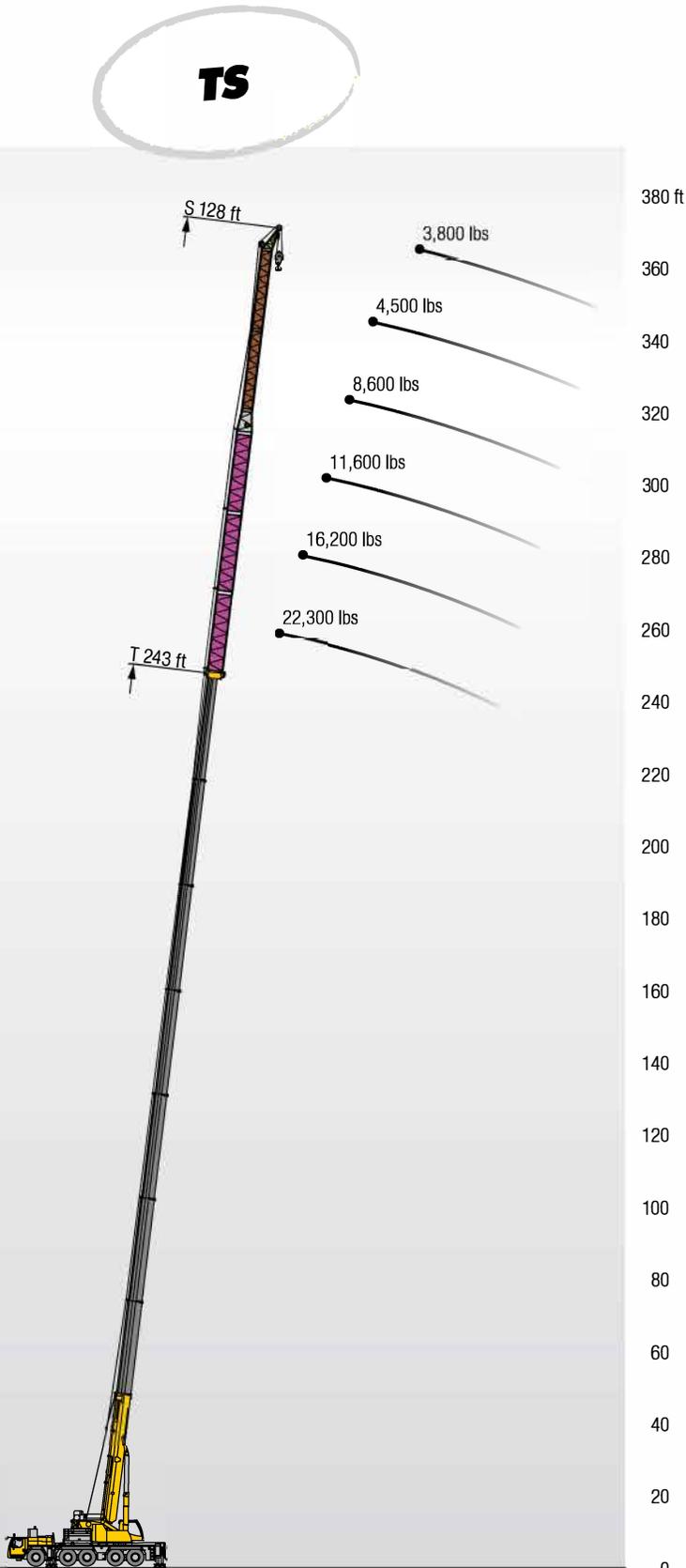


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**TVK
TVNZK**

K	38 ft – 66 ft 0°; 20°; 40°
NZK	38 ft – 66 ft 0° – 40°
V	3 x 23 ft

66 ft double swing away jib, can technically be carried on crane
Double fléchette pliante de 66 ft avec maintien à demeure sur la grue

TNZF **TS**

NZF	26 ft – 141 ft 0° – 45°
S	13 ft – 128 ft 0°

Fixed jib contains strong jip
Fléchette fixe avec fléchette robuste

TS

S	13 ft – 128 ft 0°
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Strong system for steep working positions
Système puissant pour les positions de travail les plus raides

-  23 ft Telescopic boom extension · Rallonge flèche télescopique
-  23 ft Swing away jib extension · Rallonge flechette pliante

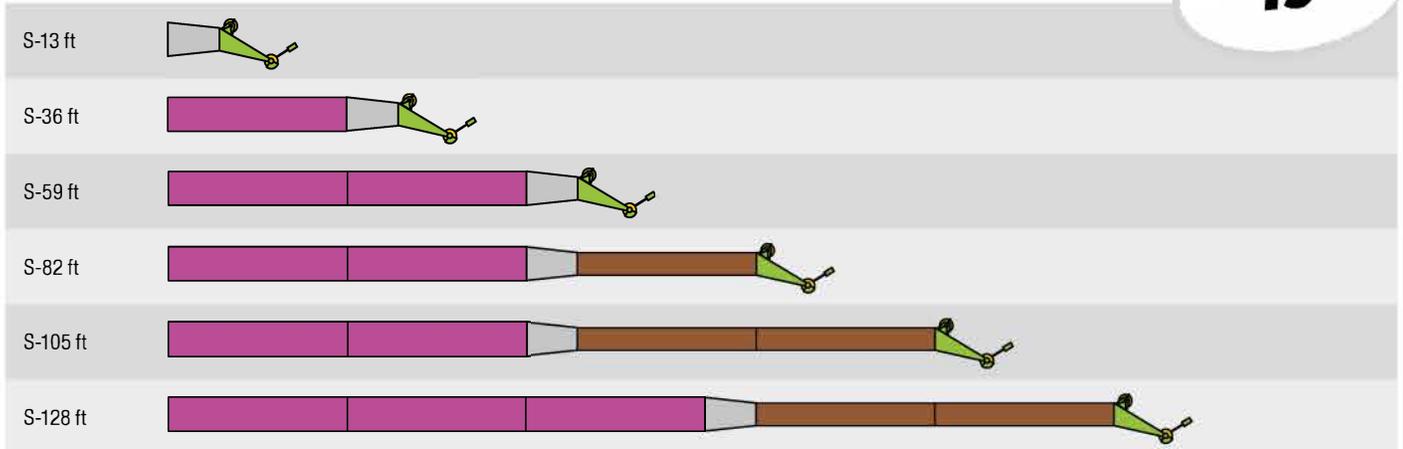


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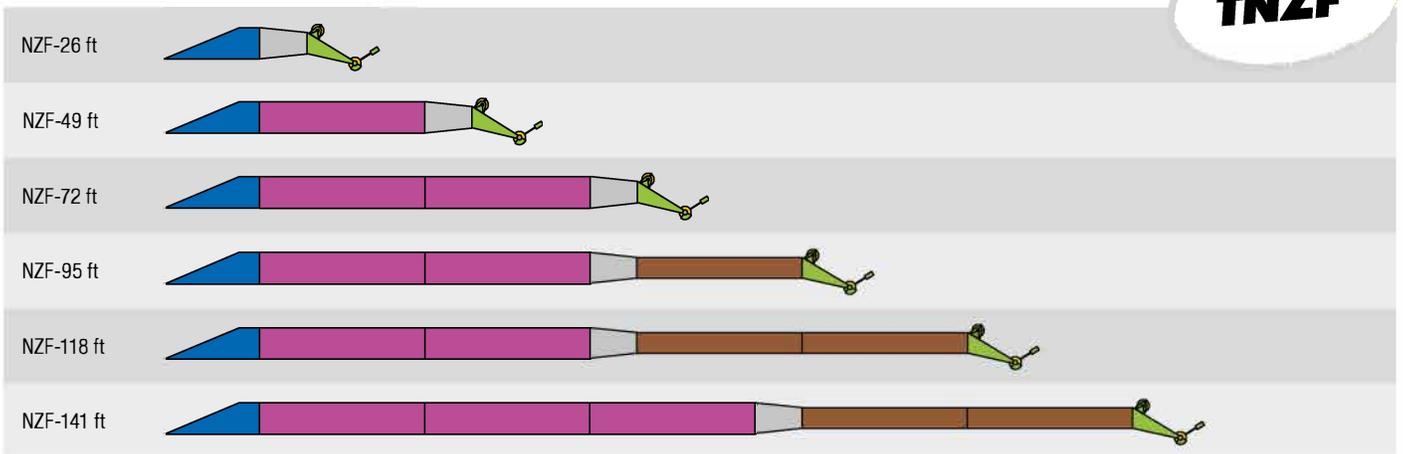
Boom/jib combinations Configurations de flèche

TS



US3192

TNZF



13 ft F-shaped base section - Élément de base F



23 ft Telescopic boom extension - Rallonge flèche télescopique



6.5 ft Reduction section - Élément réducteur



23 ft Swing away jib extension - Rallonge flechette pliante

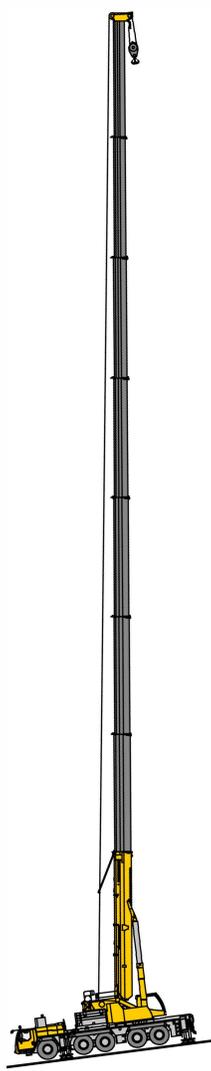


6.5 ft F head section - Élément de tête F

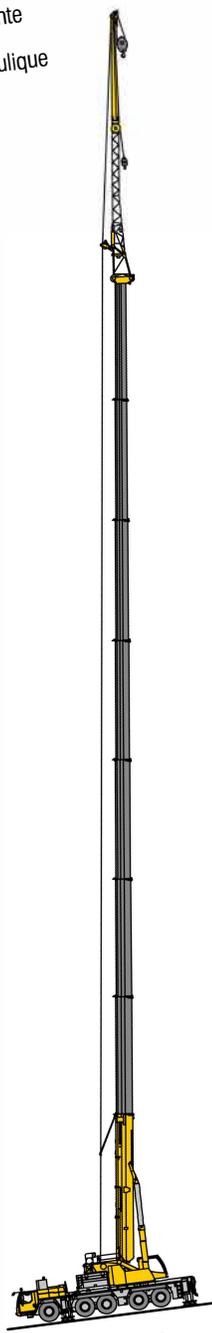
US3191

Boom/jib combinations Configurations de flèche

- T** Telescopic boom / Flèche télescopique
- K** Swing away jib / Fléchette pliante
- NZK** Hydraulic swing away jib / Fléchette pliante hydraulique
- V** Telescopic boom extension / Rallonge de flèche télescopique
- S** Strong jib / Fléchette particulièrement puissante
- NZF** Hydraulic lattice jib / Fléchette treillis hydraulique



T
15 - 21



TK/TNZK
22 - 26



TVK/TVNZK
27 - 41



TS
42 - 49



TNZF
50 - 61





LIFTING CHARTS - All Terrain Cranes

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Weights Poids

Hook block/Moufles à crochet

			
332,900 lbs	9	16	4,400 lbs
314,480 lbs	7	15	3,750 lbs
237,450 lbs	5	11	3,530 lbs
155,650 lbs	3	7	3,200 lbs
68,780 lbs	1	3	1,850 lbs
23,150 lbs	—	1	1,100 lbs

Working speeds Vitesses

Crane carrier/Châssis porteur

	 min.	 max.	 %
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	56.5 %

Theoretical gradeability/Aptitude théorique en pente

	
	12 / R2
	4 / R2

Crane superstructure/Partie tournante

	 max			 F
	0 – 456 ft/min single line ft/min au brin simple	0.9"	984 ft	23,605 lbs
	0 – 456 ft/min single line ft/min au brin simple	0.9"	920 ft	23,605 lbs
	0 – 1.2 rpm			
	approx. 55 seconds to reach 83° boom angle env. 55 s jusqu'à 83°			
	approx. 550 seconds for boom extension from 41 ft – 246 ft env. 550 s pour passer de 41 ft – 246 ft			



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Lifting capacities Forces de levage

T

42-246 ft

360°

18.8 ft

15.8 ft

158,700 lbs

85%

		42 ft	55 ft	68 ft	81 ft	94 ft	108 ft	121 ft	134 ft	147 ft	
10	*	507.1	295.4	269.5	267.7						10
11		325.7	295.4	270.7	268.6	266.9					11
12		316.2	295.4	272.1	269.5	267.6					12
13		306.6	289.7	273.6	270.5	268.4	233.5				13
14		297.6	278.3	273.3	270	264.1	234				14
15		287.7	267.5	265.8	265.1	254.7	234.1	200.2			15
16		275.3	257.3	255.5	254.2	239.9	228.8	200.7			16
17		263.8	247.3	247	244.9	231.4	219.9	201.2			17
18		253.3	238.1	237.8	234.6	224.4	211.8	201.8	176.4		18
19		243.5	229.4	229.3	225.1	216.4	204.1	195.8	176.5		19
20		234.4	221.2	221.8	216.4	208.6	199.1	189.5	176.4		20
22		217.8	206.3	207.8	204.5	197.6	188.1	180.6	170.7	147.2	22
24		203.1	193.2	194.7	191.2	185.3	179.1	170.2	161.6	145.9	24
26		189.6	181.1	182.6	179.4	176	168.8	160.9	152.8	144.3	26
28		176.9	170.1	172.2	168.9	165.9	159.5	152.1	145	140.3	28
30		164.6	160.3	162.5	159.6	156.6	151.2	144.3	139.8	133.6	30
32		151.9	151.4	153.5	151.1	148.3	143.8	137.1	133.6	127.5	32
34		137.6	137.6	145.3	143.5	141	136.8	130.6	127.4	121.6	34
36		117.3	117.3	137.5	136.5	134.3	130.3	124.7	121.8	116.2	36
38			130.5	130	128.1	124.2	119.5	116.6	111.2	111.2	38
40			123.7	123.4	122.4	118.7	114.6	111.8	106.7	106.7	40
45			106.3	108.6	109.8	106.7	105.1	101.5	96.7	96.7	45
50			71.2	95.7	97.3	96.4	95.8	92.8	88.3	88.3	50
55				86	86.6	86	86	87.1	84.8	81.2	55
60				72.8	77.5	76.9	78.2	77.1	74.4	74.4	60
65					69.9	71	70.5	69.5	67.6	67.6	65
70					63.2	64.8	64	62.9	61.6	61.6	70
75					50.5	59.3	58.4	57.3	55.8	55.8	75
80						54.2	53.2	52	50.4	50.4	80
85						47.8	48.6	47.3	45.8	45.8	85
90							44.6	43.3	41.7	41.7	90
95							41.1	39.7	39.1	39.1	95
100							34.4	36.6	37.6	37.6	100
105								33.9	35.2	35.2	105
110								32.7	32.7	31	110
115								24.4	30.4	28.7	115
120									28.4	26.7	120
125									24.6	24.8	125
130										23.8	130
135										22.6	135
140										18.6	140

* over rear - en arrière



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Lifting capacities Forces de levage

T

42-246 ft

360°

18.8 ft

15.8 ft

158,700 lbs

85%

	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	229 ft	237 ft	243 ft	246 ft	
26	86.7										26
28	93.9	65.1									28
30	92.2	76.6									30
32	89.3	75.6	58.1								32
34	86.5	74.1	63.2								34
36	83.8	72.7	62.4	52.4							36
38	81.2	71.2	61.3	52.1	42.2						38
40	78.7	69.8	60	51.5	43.4						40
45	73	66.2	56.7	49.2	42.6	35.9	34.6	28.2	25.8	25.1	45
50	67.8	62.1	53.7	46.8	41.1	35	33.8	27.6	26.1	25.5	50
55	63.3	58.2	50.9	44.5	39.3	33.8	32.7	26.8	25.4	24.9	55
60	59.1	54.8	48.3	42.3	37.6	32.7	31.6	26	24.7	24.2	60
65	56.1	51.6	45.9	40.3	36	31.6	30.6	25.2	23.9	23.5	65
70	53.2	48.6	43.6	38.5	34.4	30.5	29.6	24.4	23.2	22.8	70
75	50.2	45.9	41.4	36.7	33	29.4	28.5	23.6	22.4	22	75
80	47	43.3	39.4	35	31.6	28.2	27.5	22.7	21.6	21.3	80
85	44	40.9	37.3	33.4	30.3	27.1	26.4	22	20.8	20.4	85
90	41.3	38.4	35.3	31.7	28.9	26	25.4	21.2	19.9	19.7	90
95	38.2	36.2	33.4	30.2	27.6	24.9	24.4	20.4	19.1	18.9	95
100	35	34	31.8	28.8	26.3	23.8	23.3	19.7	18.3	18.1	100
105	32.8	31.5	30.5	27.4	25.1	22.7	22.3	19	17.5	17.4	105
110	30.3	29.2	29.1	26.1	24	21.7	21.4	18.3	16.7	16.6	110
115	28	28	27.5	24.8	22.9	20.8	20.4	17.7	16	15.9	115
120	26	26.4	25.5	23.5	21.8	19.9	19.5	17.1	15.3	15.2	120
125	25.1	24.9	23.6	22.4	20.9	19	18.7	16.5	14.7	14.5	125
130	23.9	23.2	21.9	21.3	20	18.2	17.9	16	14	13.9	130
135	22.3	21.6	20.3	20.2	19.2	17.5	17.2	15.4	13.4	13.2	135
140	20.9	20.2	18.9	18.9	18.4	16.7	16.5	14.9	12.8	12.5	140
145	19.6	18.8	18.1	17.7	17.4	16	15.8	14.5	12.3	11.9	145
150	17.7	17.8	17.3	17.1	16.7	15.4	15.2	14	11.7	11.2	150
155	13.5	17.3	16.3	16.2	15.8	14.8	14.6	13.5	11.2	10.6	155
160		16.5	15.4	15.1	14.8	14.1	14	13	10.7	10.1	160
165		14.1	14.9	14.4	13.7	13.1	13.2	12.5	10.2	9.6	165
170			14.4	13.9	12.7	12.1	12.2	12	9.8	9.1	170
175			12.9	13.1	12	11.2	11.3	11.4	9.4	8.7	175
180			9.8	12.3	11.4	10.3	10.4	10.6	9.1	8.3	180
185				11.5	10.7	9.6	9.7	9.8	8.7	7.9	185
190				9.6	10	9	9.1	9.2	8.4	7.6	190
195					9.4	8.4	8.5	8.6	8.1	7.2	195
200					8.6	7.9	8	8.1	7.8	6.9	200
205					6.2	7.3	7.4	7.6	7.4	6.6	205
210						6.7	6.9	7	6.9	6.2	210
215						5.6	6.3	6.5	6.3	5.9	215
220						2.3	4.4	6	5.8	5.6	220
225								5.4	5.3	5.1	225
230								3.2	4.9	4.6	230
235									3	3.9	235



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LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

T



	42 ft	55 ft	68 ft	81 ft	94 ft	108 ft	121 ft	134 ft	147 ft	
10	295.4	269.5	267.7							10
11	295.4	270.7	268.6	266.9						11
12	295.4	272.1	269.5	267.6						12
13	285.9	273.6	270.5	268.4	233.5					13
14	273.7	270.2	267.2	263.1	234					14
15	262.2	260.4	260.2	253	234.1	200.2				15
16	251.5	250.4	249.9	239.7	228.8	200.7				16
17	241.8	241.5	241	231.4	219.9	201.2				17
18	232.4	232.2	231.7	224.4	211.8	201.8	176.4			18
19	223.4	223.3	222.6	216.4	204.1	195.8	176.5			19
20	214.8	215.5	214.2	208.6	199.1	189.5	176.4			20
22	199.4	201	201.2	197.6	188.1	180.6	170.7	147.2		22
24	185.4	187	187.4	185.3	179.1	170.2	161.6	145.9	117.3	24
26	172.3	174.8	174.5	174.9	168.8	160.9	152.8	144.3	114.6	26
28	159.9	162.5	162.4	163.3	158.7	152.1	145	139.9	111.2	28
30	148.4	151.3	151	152.2	147.9	142	137.8	131.5	107.1	30
32	137.5	140.4	140.3	141.8	137.9	133.2	128.3	121.6	103.2	32
34	127.5	130.5	131.2	132.1	127.7	124.9	119.1	113	99.5	34
36	117.2	121.5	122.9	123.2	118.8	116.3	110.9	105.1	95.8	36
38		113.5	114.9	115.1	111.3	108.8	103.5	98	91.9	38
40		106.3	107.8	107.8	105.9	101.7	96.8	91.8	87	40
45		88.6	90.2	90.5	91.1	87.2	83.1	78.6	75.9	45
50		71.2	75.9	78.3	78.2	75.8	72.3	69	66	50
55			66.5	67.3	67.1	66.2	63.5	60.7	60.4	55
60			58	58.6	58.4	57.6	56.2	55.8	54.4	60
65				51.7	51.5	50.5	49.6	51	48.8	65
70				46	45.7	44.8	46.5	45.3	44.6	70
75				41.4	40.9	40.9	41.7	40.5	40.1	75
80					36.9	38.4	37.6	36.4	35.9	80
85					33.5	34.9	34	33	33.3	85
90						31.9	31	30.8	30.6	90
95						29.2	28.3	28.3	27.8	95
100						26.9	25.9	26.6	25.4	100
105							23.8	24.5	23.7	105
110							22.8	22.6	22.4	110
115							21.9	20.9	20.8	115
120								19.4	19.5	120
125								18	18.1	125
130									16.8	130
135									15.6	135
140									14.5	140



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	160 ft	174 ft	187 ft	188 ft	199 ft	213 ft	217 ft	226 ft	229 ft	230 ft	237 ft	243 ft	246 ft	
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28	93.9	65.1												28
30	92.2	76.6												30
32	89.3	75.6	58.1											32
34	86.5	74.1	63.2	36.8										34
36	83.8	72.7	62.4	36.4	52.4									36
38	81.2	71.2	61.3	35.8	52.1	42.2								38
40	78.7	69.8	60	35.2	51.5	43.4	30.8							40
45	71.7	66.2	56.7	33.6	49.2	42.6	30	35.9	34.6	28.1	28.2	25.8	25.1	45
50	64.6	61.9	53.7	32	46.8	41.1	29	35	33.8	27.4	27.6	26.1	25.5	50
55	58.3	55.1	50.9	30.5	44.5	39.3	28	33.8	32.7	26.7	26.8	25.4	24.9	55
60	51.7	48.9	47.8	29	42.3	37.6	27	32.7	31.6	25.9	26	24.7	24.2	60
65	46.3	44.9	42.8	27.7	40.3	36	26.1	31.6	30.6	25	25.2	23.9	23.5	65
70	42.5	41	39.3	26.3	37.2	34.4	25.1	30.5	29.6	24.1	24.4	23.2	22.8	70
75	38.7	37.8	35.7	25	34.2	32.5	24	29.4	28.5	23.2	23.6	22.4	22	75
80	36	34.3	33	23.6	32	30.3	22.9	28.2	27.5	22.3	22.7	21.6	21.3	80
85	32.6	31.2	30.3	22.2	29.2	27.6	21.7	26.6	26.4	21.4	22	20.8	20.4	85
90	29.5	29.5	28.2	21	26.8	26.1	20.6	24.5	24.4	20.4	21.2	19.9	19.7	90
95	26.8	27.3	26.1	19.8	25.3	24.3	19.6	22.5	22.5	19.5	20.4	19.1	18.9	95
100	25.3	25	24.1	18.7	23.6	22.3	18.6	20.6	20.6	18.6	19.5	18.3	18.1	100
105	23.6	22.7	22.6	17.6	22	20.5	17.7	18.8	18.9	17.7	18.5	17.5	17.3	105
110	21.8	21.5	21.1	16.7	20	18.9	16.8	17.2	17.3	16.9	17.1	16.4	16.2	110
115	20	19.7	19.3	15.7	18.3	17.2	15.9	15.8	15.8	16.1	15.7	15.3	15	115
120	18.4	18.3	17.7	14.9	16.6	15.6	15.1	14.4	14.5	15.4	14.4	14	13.7	120
125	17.6	16.8	16.2	14.1	15.2	14.2	14.4	12.9	13.1	14.1	13.2	12.8	12.5	125
130	16.4	15.4	14.9	13.3	13.8	12.8	13.5	11.6	11.8	12.8	11.9	11.7	11.4	130
135	15.1	14.2	13.6	12.6	12.6	11.6	12.5	10.4	10.6	11.6	10.7	10.4	10.2	135
140	14	13.1	12.5	11.9	11.5	10.5	11.4	9.4	9.5	10.4	9.7	9.5	9.3	140
145	13	12	11.4	11.3	10.4	9.6	10.3	8.6	8.7	9.6	8.8	8.6	8.4	145
150	12.1	11.1	10.5	10.7	9.6	8.8	9.5	7.8	7.9	8.8	8	7.9	7.7	150
155	11.4	10.2	9.7	10.2	8.8	8	8.8	7.1	7.2	8	7.3	7.1	7	155
160		9.6	9	9.6	8.2	7.4	8.1	6.4	6.5	7.4	6.7	6.5	6.3	160
165		9	8.4	9	7.6	6.8	7.5	5.7	5.9	6.8	6	5.9	5.7	165
170			7.8	8.4	7	6.1	6.9	5	5.2	6.2	5.4	5.2	5	170
175			7.3	7.9	6.4	5.5	6.3	4.4	4.5	5.6	4.7	4.6	4.3	175
180			6.8	7.4	5.8	4.9	5.8	3.8	3.9	5	4.1	3.9	3.7	180
185					5.2	4.3	5.2	3.2	3.3	4.4	3.5	3.4	3.1	185
190					4.7	3.7	4.6	2.6	2.8	3.8	3	2.8	2.6	190
195						3.3	4.1		2.3	3.3	2.5	2.3		195
200						2.8	3.7			2.8				200
205						2.4	3.2			2.4				205
210							2.8							210

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13	278.5	271.8	268.2	265.3	233.5							13
14	265.6	263.6	261.9	254.5	234							14
15	253.5	251.6	250.4	243.2	233.3	200.2						15
16	242.3	242.1	240.6	232.6	218.6	200.7						16
17	231.4	231.2	229.8	218.6	200.2	188.1						17
18	220.9	221.6	218.8	202	190.7	178.4	164.9					18
19	210.5	211.3	204.9	191.4	180.2	169.5	158.7					19
20	200.1	201.5	192.2	178.3	169.2	160	148					20
22	179.6	179.5	168.7	157.6	150.4	139.9	130.2	58.3	120.4			22
24	160.7	155.7	147.4	141.2	132.5	123.9	115.6	56	108.4	101.2		24
26	141.7	136	129.7	125.2	118.2	110.9	103.7	53.9	97.4	91.4		26
28	124.2	120.3	117.8	112.6	106.3	100	93.7	51.8	88.1	85.8	45.1	28
30	107.4	109.1	106	101.5	96.2	90.8	86.7	49.9	83.9	80	44.2	30
32	93.9	98.4	96.1	92.3	88	82.9	81	47.9	77.5	73.7	43.2	32
34	83.1	88.7	87.8	84.6	80.7	77	75.7	46.1	71.5	68.1	42.2	34
36	74.2	79.5	80.6	77.9	74.5	72.5	70.1	44.3	67.3	64.1	41.1	36
38		71.8	74.3	72	68.8	68.3	65.1	42.6	62.8	59.7	40.1	38
40		65.3	68	66.8	63.9	64.1	60.9	41	58.7	56.3	39	40
45		52.5	55.2	56	56.2	54.5	52	37.4	51	49.5	36.5	45
50		42.4	45.8	46.6	48.5	46.9	46.1	34.1	44.5	42.9	34.1	50
55			38.6	40.8	41.2	40.9	40.7	31.2	38.9	38	32	55
60			33.1	35.1	35.5	36.6	35.9	28.9	34.9	33.8	30	60
65				30.5	30.8	31.8	31.5	26.6	31.4	30	28.1	65
70				26.7	27.3	28	27.8	24.7	27.9	26.8	26.2	70
75				23.7	24.1	24.8	24.6	22.9	24.5	23.8	24	75
80					21.4	22.1	21.7	21.4	21.7	21	21.3	80
85					19.1	19.6	19.3	19.6	19.2	18.5	18.8	85
90						17.5	17.1	17.4	17.1	16.4	16.7	90
95						15.7	15.3	15.6	15.2	14.6	14.8	95
100						14.1	13.6	13.9	13.6	12.9	13.2	100
105							12.2	12.5	12.1	11.4	11.7	105
110							11	11.2	10.8	10.1	10.4	110
115							10	10	9.7	9.2	9.4	115
120								9.2	8.9	8.3	8.5	120
125									8.2	7.6	7.7	125
130										6.9	7	130
135										6.3	6.4	135
140										5.6	5.8	140
145											5.2	145
150											4.6	150

STERLING CRANE

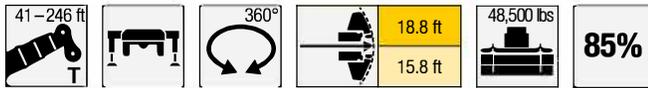


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

T



	160 ft	174 ft	187 ft	188 ft	199 ft	213 ft	217 ft	226 ft	229 ft	230 ft	237 ft	243 ft	246 ft	
26	86.4													26
28	81.2	65.1												28
30	75.4	71												30
32	69.5	65.4	58.1											32
34	64.9	61	57.6	36.8										34
36	60.9	57.8	54.6	36.4	50.2									36
38	57	53.8	50.7	35.8	47.7	42.2								38
40	53.3	51.3	48.6	35.2	46.1	43.3	30.8							40
45	47	44.7	42.7	33.6	40.2	37.4	30	34.7	33.9	28.1	28.2	25.8	25.1	45
50	41	39.8	38	32	36	33.5	29	30.7	30.6	27.4	27.5	26.1	25.5	50
55	36.8	34.8	33.4	30.5	31.4	29.1	28	26.6	26.5	26.7	25.5	24.7	24.2	55
60	32.4	30.7	29.4	29	27.5	25.4	26	23.2	23.1	24	22.5	21.8	21.4	60
65	28.8	27.1	26	26.9	24.2	22.2	22.9	20.1	20.1	21.1	19.7	19.1	18.6	65
70	25.6	24.1	23	23.9	21.4	19.6	20.3	17.6	17.6	18.6	17.2	16.7	16.3	70
75	22.9	21.5	20.5	21.4	18.9	17.3	18	15.4	15.4	16.4	15.1	14.6	14.2	75
80	20.4	19.2	18.3	19.2	16.7	15.2	15.9	13.4	13.5	14.4	13.2	12.7	12.4	80
85	17.9	17	16.3	17.1	14.8	13.4	14.2	11.7	11.7	12.7	11.6	11.1	10.7	85
90	15.8	14.9	14.3	15.1	13.1	11.7	12.6	10.1	10.2	11.2	10	9.6	9.3	90
95	14	13	12.5	13.3	11.4	10.2	11.1	8.7	8.8	9.8	8.7	8.3	8	95
100	12.3	11.4	10.9	11.6	9.8	8.9	9.7	7.3	7.5	8.5	7.5	7.1	6.8	100
105	10.9	10	9.5	10.2	8.6	7.6	8.6	6.1	6.3	7.4	6.3	6	5.7	105
110	9.7	8.9	8.5	9.1	7.6	6.5	7.5	5	5.2	6.4	5.2	5	4.7	110
115	8.7	8	7.5	8.2	6.7	5.5	6.5	4	4.2	5.4	4.3	3.9	3.7	115
120	7.9	7.1	6.7	7.3	5.8	4.6	5.6	3	3.2	4.5	3.2	2.9	2.5	120
125	7.1	6.4	5.9	6.5	5	3.7	4.7			3.6				125
130	6.4	5.7	5.2	5.8	4.2	2.8	3.9			2.6				130
135	5.8	5	4.5	5.2	3.4		3.1							135
140	5.1	4.2	3.7	4.5	2.6		2.3							140
145	4.5	3.6	3.1	3.8										145
150	3.9	3	2.2	3.2										150
155	3.4	2.4		2.6										155

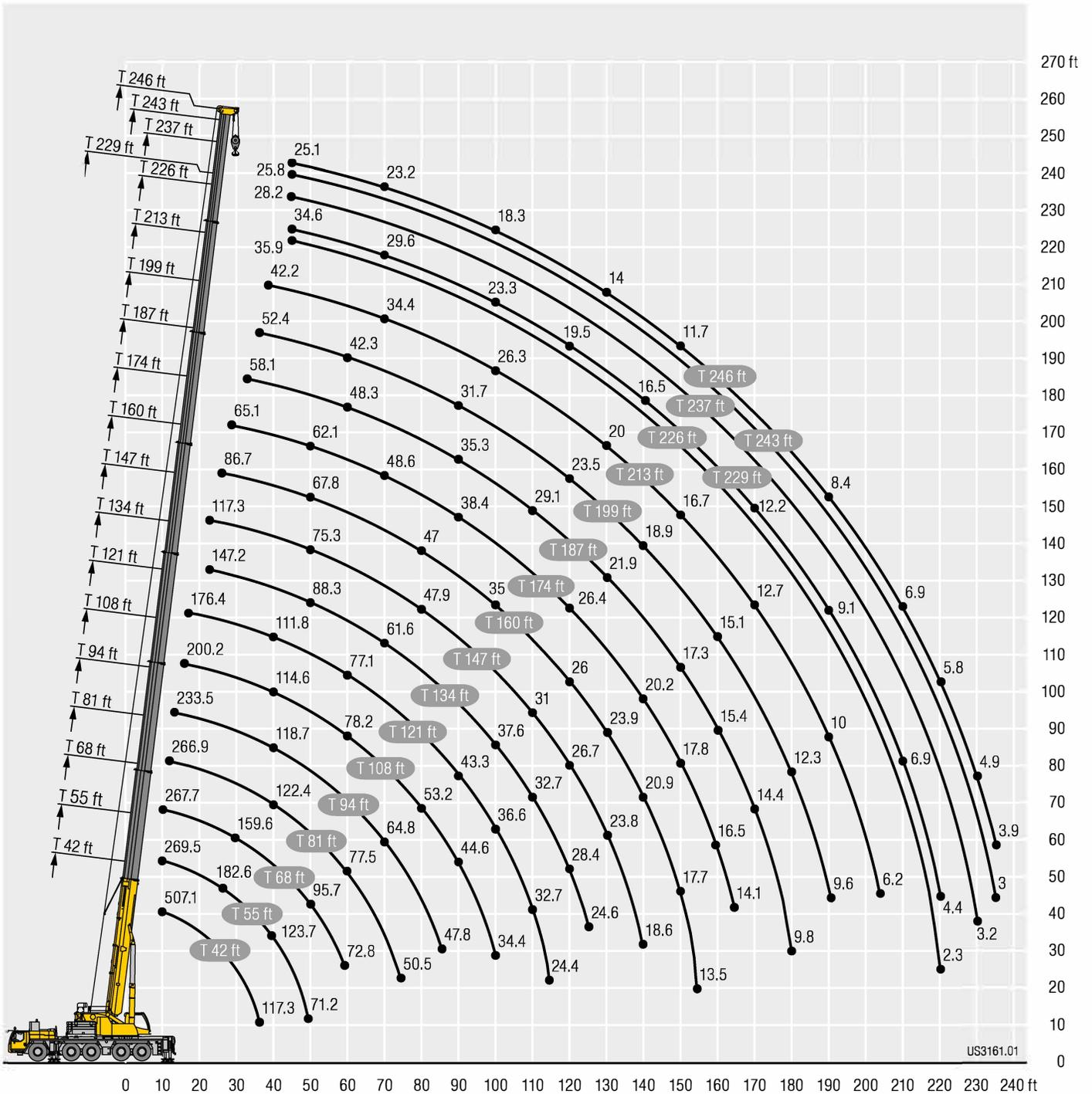


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

T



STERLING CRANE



LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZK

42-246 ft

38 ft

360°

18.8 ft

15.8 ft

158,700 lbs

85%

	42 ft 38 ft			134 ft 38 ft			147 ft 38 ft			160 ft 38 ft			174 ft 38 ft			187 ft 38 ft			199 ft 38 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
12	46.1																					12	
13	46.1																					13	
14	46.1																					14	
15	46.1																					15	
16	46.1																					16	
17	46.1																					17	
18	46.1	44.8																				18	
19	46.1	43.9																				19	
20	46.1	43.1		46.1																		20	
22	46.1	41.2		46.1																		22	
24	46.1	38.9		46.1			46.1															24	
26	46.1	36.9		46.1			46.1			43.2												26	
28	45.8	34.9	25.1	46.1			46.1			43												28	
30	42.7	33.2	24.2	46.1			46.1			42.8			38.3									30	
32	39.4	31.6	23.5	46.1			46			42.5			38.1									32	
34	36.4	30.2	22.7	46.1	36.7		45.7			42.2			37.9			33.3						34	
36	33.7	28.9	22.1	46.1	36.2		45.3	35.4		41.9			37.7			33.1						36	
38	31.5	27.6	21.5	46.1	35.6		44.8	35		41.6			37.5			33				28.3		38	
40	29.3	26.5	20.9	46	34.8		44.3	34.5		41.1	33.3		37.2			32.8				28.2		40	
45	25.2	24.1	19.7	44.5	32.9	22.7	42.7	33	22.8	39.9	32.2		36.4	30.6		32.3				27.9		45	
50	21.9	22	18.6	42.5	31.2	22	41.2	31.3	22.1	38.8	31	22.1	35.6	29.8		31.7	27.9			27.6		50	
55	19.3	20.3	17.8	40.1	29.6	21.3	39.7	29.8	21.4	37.7	29.7	21.4	34.7	29	21.3	31.2	27.3	21		27.3	24.9	55	
60	17.1	18.9	17.3	37.6	28.2	20.7	37.7	28.5	20.8	36.5	28.4	20.9	33.9	27.9	20.8	30.7	26.7	20.5		27	24.5	20.1	60
65	15.3	17.8	17	35.2	27	20.1	35.6	27.3	20.3	35	27.3	20.3	33.1	26.9	20.3	30.1	26	20.1		26.7	24.1	19.7	65
70	13.8	17	16	32.9	25.8	19.6	33.7	26.2	19.8	33.4	26.2	19.9	32.1	25.9	19.8	29.5	25.2	19.6		26.3	23.6	19.3	70
75				30.7	24.7	19.2	31.7	25.2	19.3	31.7	25.3	19.4	30.9	25	19.4	28.9	24.4	19.2		25.9	23.2	18.9	75
80				28.6	23.7	18.7	29.9	24.2	18.9	30.1	24.4	19	29.7	24.2	19	28.1	23.6	18.9		25.3	22.6	18.6	80
85				26.7	22.9	18.3	28.1	23.3	18.5	28.6	23.5	18.7	28.4	23.5	18.7	27.3	22.9	18.5		24.6	22.1	18.3	85
90				25	22	18	26.4	22.6	18.2	27.1	22.8	18.3	27	22.7	18.3	26.3	22.3	18.2		23.6	21.5	18	90
95				23.5	21.3	17.7	24.8	21.9	17.9	25.6	22.1	18	25.7	22.1	18	25.3	21.7	18		22.6	21	17.8	95
100				22.1	20.6	17.4	23.5	21.1	17.6	24.2	21.5	17.7	24.5	21.4	17.8	24.1	21.2	17.7		21.6	20.5	17.5	100
105				20.9	19.9	17.2	22.2	20.5	17.4	23	20.8	17.5	23.4	20.9	17.5	23.1	20.6	17.5		20.7	20	17.3	105
110				19.8	19.4	17	21.1	19.9	17.2	21.9	20.2	17.3	22.3	20.4	17.3	22	20.1	17.3		19.7	19.4	17.1	110
115				18.8	18.8	16.9	20	19.4	17	20.9	19.8	17.1	21.3	19.9	17.1	21	19.6	17.1		18.8	18.7	17	115
120				17.9	18.4	16.8	19	18.9	16.8	19.9	19.3	16.9	20.5	19.4	17	19.9	19.1	17		17.9	17.9	16.8	120
125				17	17.9	16.7	18.2	18.4	16.8	19.1	18.8	16.8	19.6	19	16.8	19	18.6	16.8		17.1	17.2	16.6	125
130				16.2	17.6	16.7	17.4	18.1	16.7	18.3	18.4	16.7	18.8	18.6	16.7	18.2	18.1	16.7		16.3	16.4	16.2	130
135				15.5	17.3	16.7	16.7	17.7	16.7	17.5	18.1	16.7	18.1	18.2	16.6	17.3	17.4	16.5		15.6	15.7	15.6	135
140				14.9	17	16.7	16	17.4	16.7	16.8	17.7	16.6	17.3	17.7	16.6	16.5	16.6	16.1		14.9	14.9	15	140
145				14.3	16.8	16.7	15.3	17.1	16.7	16.2	17.3	16.6	16.1	17	16.5	15.7	15.9	15.8		14.2	14.3	14.5	145
150				13.7	16.6	13.1	14.8	16.8	16.7	15.5	16.3	16.3	14.8	15.6	16.1	14.6	15.1	15.3		13.5	13.6	13.9	150
155				13.3	16.6	8	14.2	16	16.2	14.9	15.5	15.8	13.8	14.4	14.8	13.5	14.3	14.6		12.9	13	13.3	155
160				12.8	15.4		13.7	14.9	13.6	13.9	14.5	14.7	13.1	13.3	13.6	12.4	13.1	13.6		12.3	12.5	12.7	160
165				9.1			13.3	13.8	9.3	12.8	13.4	13.6	12.4	12.7	12.8	11.3	12	12.5		11.4	11.9	12.1	165
170							12.3	12.8		11.9	12.3	12.5	11.7	12	12.2	10.7	11	11.4		10.5	11.2	11.5	170
175							9.3			11	11.4	10.9	10.8	11.2	11.4	10.2	10.4	10.5		9.7	10.3	10.6	175
180										10.2	10.5	7.7	10	10.4	10.5	9.8	9.9	10.1		9.1	9.5	9.7	180
185										8.8	9.6		9.3	9.6	9.7	9.3	9.5	9.7		8.8	8.9	9.1	185
190										5.9			8.7	9	8.6	8.7	9.1	9.2		8.5	8.6	8.7	190
195													8.1	8.3		8.2	8.5	8.5		8.1	8.2	8.4	195
200													7.2			7.7	7.9	7.9		7.8	7.9	8	200
205													6.3			7.5	7.6	7.1		7.2	7.6	7.6	205
210																7.3	7.4			6.7	7	7	210
215																6.5				6.1	6.4	6.4	215
220																				5.9	6		220
225																				5.6			225
230																				3.5			230

STERLING CRANE

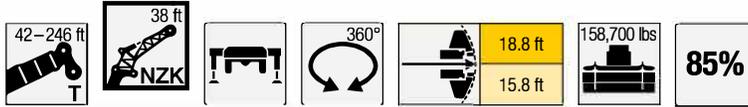


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZK



Lift Height (ft)	213 ft 38 ft			226 ft 38 ft			230 ft 38 ft			237 ft 38 ft			243 ft 38 ft			246 ft 38 ft			Lift Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
38	20.8																		38
40	23.9																		40
45	23.7			19			15.5			15			14.1						45
50	23.6			19			15.3			14.8			14			13.6			50
55	23.4	20.1		18.9			15			14.6			13.8			13.5			55
60	23.2	21.9		18.8	18.3		14.8	14.7		14.4	14.4		13.6			13.3			60
65	23	21.7		18.5	18		14.5	14.4		14.2	14.1		13.4	13.4		13.1	13.1		65
70	22.8	21.4	18.7	18.1	17.6	17.2	14.2	14	14.1	13.9	13.7		13.2	13.1		12.9	12.8		70
75	22.4	21.1	18.4	17.7	17.1	16.8	13.9	13.7	13.8	13.6	13.4	13.5	12.9	12.8	12.9	12.7	12.6	12.7	75
80	21.8	20.5	18.2	17.2	16.5	16.2	13.5	13.3	13.4	13.3	13.1	13.2	12.6	12.5	12.6	12.4	12.3	12.4	80
85	21.1	19.9	17.9	16.7	16	15.7	13.1	12.9	13	12.9	12.7	12.8	12.3	12.2	12.3	12.1	12	12.1	85
90	20.3	19.2	17.7	16.2	15.5	15.2	12.8	12.5	12.6	12.6	12.4	12.4	12	11.9	12	11.8	11.7	11.8	90
95	19.6	18.6	17.4	15.7	15	14.8	12.4	12.2	12.2	12.2	12	12.1	11.7	11.6	11.7	11.5	11.4	11.5	95
100	18.9	18	17.2	15.3	14.6	14.3	12	11.8	11.9	11.9	11.7	11.7	11.4	11.2	11.3	11.2	11.1	11.2	100
105	18.2	17.4	16.9	14.8	14.1	13.9	11.6	11.4	11.5	11.5	11.3	11.4	11.1	10.9	11	10.9	10.8	10.9	105
110	17.5	16.9	16.5	14.3	13.7	13.5	11.3	11.1	11.1	11.2	11	11.1	10.8	10.6	10.7	10.7	10.5	10.6	110
115	16.8	16.3	16	13.8	13.3	13.1	10.9	10.7	10.8	10.9	10.7	10.7	10.5	10.3	10.4	10.4	10.2	10.3	115
120	16.2	15.8	15.5	13.4	12.9	12.7	10.6	10.4	10.5	10.5	10.4	10.4	10.2	10.1	10.1	10.1	10	10	120
125	15.5	15.3	15.1	13	12.5	12.3	10.2	10.1	10.2	10.2	10	10.1	9.9	9.8	9.9	9.8	9.7	9.8	125
130	14.8	14.7	14.6	12.6	12.1	12	9.8	9.8	9.9	9.9	9.8	9.9	9.6	9.6	9.7	9.5	9.5	9.6	130
135	14.1	14.2	14.2	12.2	11.8	11.7	9.5	9.6	9.6	9.7	9.6	9.6	9.3	9.3	9.4	9.2	9.2	9.4	135
140	13.5	13.6	13.7	11.8	11.5	11.4	9.1	9.3	9.4	9.4	9.3	9.4	9	9.1	9.2	8.9	9	9.1	140
145	12.9	13	13.2	11.4	11.1	11.1	8.8	9	9.1	9.2	9.1	9.2	8.7	8.8	8.9	8.6	8.7	8.9	145
150	12.3	12.4	12.6	11	10.8	10.8	8.5	8.6	8.8	9	8.9	9	8.4	8.5	8.7	8.3	8.5	8.6	150
155	11.7	11.9	12.1	10.7	10.5	10.5	8.1	8.3	8.5	8.7	8.7	8.8	8.1	8.2	8.4	8	8.2	8.4	155
160	11.2	11.4	11.6	10.3	10.2	10.3	7.8	8	8.2	8.5	8.5	8.6	7.8	8	8.1	7.8	7.9	8.1	160
165	10.7	10.9	11.1	9.9	9.9	10	7.5	7.7	7.9	8.3	8.3	8.4	7.5	7.7	7.9	7.5	7.7	7.8	165
170	10.3	10.4	10.6	9.6	9.6	9.7	7.2	7.4	7.6	8.1	8.1	8.2	7.3	7.4	7.6	7.2	7.4	7.5	170
175	9.8	10	10.1	9.2	9.3	9.5	6.9	7.1	7.3	7.8	7.9	8	7	7.1	7.3	6.9	7.1	7.3	175
180	9.2	9.6	9.7	8.9	9	9.2	6.7	6.8	7	7.6	7.7	7.8	6.7	6.9	7	6.6	6.8	7	180
185	8.6	9	9.3	8.6	8.7	8.9	6.4	6.6	6.7	7.4	7.5	7.6	6.5	6.6	6.8	6.3	6.5	6.7	185
190	8.1	8.4	8.7	8.3	8.4	8.6	6.1	6.3	6.4	7.2	7.3	7.4	6.2	6.4	6.5	6	6.2	6.4	190
195	7.8	8	8.1	7.9	8.2	8.3	5.9	6	6.1	7	7.1	7.2	6	6.1	6.3	5.7	5.9	6.1	195
200	7.5	7.7	7.8	7.4	7.8	8	5.6	5.8	5.9	6.9	6.9	7	5.7	5.9	6	5.4	5.6	5.8	200
205	7.3	7.4	7.5	6.8	7.2	7.4	5.3	5.5	5.6	6.7	6.7	6.8	5.5	5.6	5.8	5.1	5.3	5.5	205
210	7	7.1	7.2	6.2	6.7	6.9	5.1	5.2	5.3	6.3	6.6	6.6	5.2	5.4	5.5	4.8	5	5.1	210
215	6.7	6.8	6.9	5.7	6.1	6.3	4.9	5	5.1	5.9	6.3	6.5	5	5.2	5.3	4.5	4.7	4.9	215
220	6.2	6.5	6.5	5.1	5.5	5.7	4.6	4.8	4.8	5.3	5.7	5.9	4.8	5	5	4.2	4.4	4.6	220
225	5.7	6	6	4.6	5	5.1	4.4	4.5	4.6	4.8	5.2	5.4	4.5	4.7	4.8	3.9	4.1	4.2	225
230	5.2	5.4		4.2	4.5	4.5	4.2	4.3	4.3	4.3	4.7	4.8	4.1	4.5	4.6	3.6	3.8	3.9	230
235	4.8	5		3.7	4	4	4	4.1	4.1	3.9	4.2	4.3	3.7	4	4.1	3.3	3.5	3.6	235
240	3.4			3.3	3.5	3.5	3.8	3.9	3.9	3.4	3.7	3.8	3.2	3.6	3.6	3	3.3	3.3	240
245				2.9	3		3.6	3.7	3.7	3	3.3	3.3	2.8	3.1	3.2	2.6	2.9	3	245
250				2.2			3.4	3.5		2.6	2.8	2.8	2.4	2.7	2.7	2.2	2.5	2.5	250
255							2.7			2.2	2.4				2.2				255

STERLING CRANE

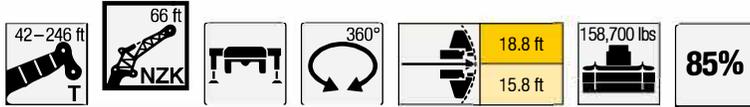


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZK



Jib	42 ft 66 ft			134 ft 66 ft			147 ft 66 ft			160 ft 66 ft			174 ft 66 ft			187 ft 66 ft			199 ft 66 ft			Jib	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
10	21.2																					10	
11	21.2																					11	
12	21.2																					12	
13	21.2																					13	
14	21.2																					14	
15	21.2																					15	
16	21.2																					16	
17	21.2																					17	
18	21.2																					18	
19	21.2																					19	
20	21.2																					20	
22	21.1																					22	
24	20.8			18.3																		24	
26	20.4			18.3			17.8															26	
28	19.8			18.3			17.8			17.3												28	
30	19.2			18.3			17.8			17.3												30	
32	18.6	14.7		18.3			17.8			17.3			16.3									32	
34	18.1	14.4		18.3			17.8			17.3			16.3			15.3						34	
36	17.5	14		18.3			17.8			17.2			16.3			15.3						36	
38	16.9	13.6		18.3			17.8			17.2			16.3			15.2				13.9		38	
40	16.4	13.3		18.2			17.8			17.1			16.2			15.2				13.9		40	
45	15.2	12.3		17.9			17.5			16.9			16.1			15				13.8		45	
50	13.9	11.5	9.5	17.4	12.9		17.1	12.8		16.6			15.9			14.9				13.7		50	
55	12.5	10.8	9.2	16.8	12.4		16.7	12.3		16.3	12.2		15.6	12		14.7				13.5		55	
60	11.1	10.2	8.8	16.3	11.9		16.2	11.9		15.9	11.8		15.3	11.6		14.5	11.3			13.3		60	
65	10	9.6	8.5	15.6	11.4	9	15.7	11.4		15.4	11.4		14.9	11.2		14.2	10.9			13.1	10.5	65	
70	9.1	9.2	8.3	15	11	8.8	15.1	11.1	8.8	14.9	11	8.8	14.5	10.9		13.8	10.6			12.9	10.2	70	
75	8.4	8.8	8.1	14.4	10.6	8.6	14.5	10.7	8.6	14.4	10.7	8.6	14	10.5	8.6	13.4	10.3	8.5		12.6	10	75	
80	7.8	8.5	7.9	13.8	10.3	8.5	13.9	10.3	8.5	13.8	10.3	8.5	13.6	10.3	8.4	13.1	10.1	8.3		12.3	9.8	8.2	80
85	7.3	8.3	7.8	13.2	10	8.4	13.4	10.1	8.4	13.4	10	8.4	13.1	10	8.3	12.7	9.8	8.2		12	9.6	8.1	85
90	6.7	8	7.8	12.6	9.7	8.2	12.8	9.8	8.2	12.9	9.8	8.2	12.7	9.8	8.2	12.3	9.6	8.1		11.7	9.4	8	90
95	6.3	7.8	7.8	12.1	9.5	8.1	12.3	9.6	8.1	12.4	9.6	8.1	12.3	9.5	8.1	11.9	9.4	8		11.4	9.2	7.9	95
100	6	7.7		11.5	9.3	8	11.9	9.4	8	11.9	9.4	8	11.9	9.4	8	11.6	9.2	7.9		11.1	9.1	7.8	100
105				10.9	9.1	7.9	11.4	9.1	7.9	11.5	9.2	7.9	11.5	9.2	7.9	11.2	9.1	7.8		10.8	8.9	7.7	105
110				10.3	8.9	7.8	10.8	9	7.8	11.1	9	7.8	11.1	9	7.8	10.9	8.9	7.8		10.5	8.8	7.7	110
115				9.7	8.7	7.8	10.3	8.8	7.8	10.6	8.8	7.8	10.7	8.8	7.7	10.6	8.8	7.7		10.3	8.6	7.6	115
120				9.3	8.5	7.7	9.8	8.6	7.7	10.2	8.7	7.7	10.3	8.7	7.7	10.3	8.6	7.6		10	8.5	7.5	120
125				8.9	8.4	7.6	9.4	8.5	7.6	9.8	8.5	7.6	9.9	8.5	7.6	9.9	8.5	7.6		9.7	8.4	7.5	125
130				8.5	8.2	7.6	9	8.4	7.6	9.3	8.4	7.6	9.6	8.4	7.6	9.6	8.4	7.5		9.5	8.2	7.4	130
135				8.2	8.1	7.6	8.6	8.2	7.6	9	8.3	7.5	9.3	8.3	7.5	9.3	8.2	7.5		9.2	8.1	7.4	135
140				7.9	8	7.6	8.3	8.1	7.5	8.7	8.2	7.5	8.9	8.1	7.5	9	8.1	7.4		9	8	7.4	140
145				7.6	7.9	7.6	8	8	7.5	8.4	8	7.5	8.6	8	7.5	8.8	8	7.4		8.7	7.9	7.3	145
150				7.3	7.8	7.6	7.8	7.9	7.5	8.1	7.9	7.5	8.4	8	7.4	8.5	7.9	7.4		8.5	7.8	7.3	150
155				7.1	7.7	7.6	7.5	7.8	7.5	7.8	7.8	7.5	8.1	7.8	7.4	8.2	7.8	7.3		8.3	7.8	7.3	155
160				6.9	7.7	7.6	7.3	7.7	7.5	7.6	7.8	7.5	7.8	7.8	7.4	8	7.7	7.3		8.1	7.7	7.3	160
165				6.7	7.6	7.6	7	7.6	7.5	7.4	7.7	7.5	7.6	7.7	7.4	7.8	7.7	7.3		7.8	7.6	7.3	165
170				6.5	7.6	7.6	6.8	7.6	7.5	7.2	7.6	7.5	7.4	7.6	7.4	7.6	7.6	7.3		7.6	7.5	7.3	170
175				6.3	7.6	7.6	6.6	7.6	7.5	6.9	7.6	7.5	7.2	7.6	7.4	7.4	7.5	7.3		7.5	7.5	7.3	175
180				6.1	7.6	7.6	6.4	7.6	7.5	6.8	7.5	7.5	7	7.5	7.4	7.2	7.5	7.3		7.3	7.4	7.3	180
185				6	7.6		6.3	7.6	7.5	6.6	7.5	7.5	6.8	7.5	7.4	7	7.4	7.3		7.1	7.4	7.3	185
190				5.8			6.1	7.6	7.5	6.4	7.5	7.5	6.6	7.4	7.4	6.8	7.4	7.3		7	7.4	7.3	190
195							6	7.6	7.5	6.3	7.5	7.5	6.5	7.4	7.4	6.7	7.4	7.3		6.8	7.3	7.3	195
200							5.9	7.6		6.1	7.5	7.5	6.4	7.4	7.4	6.5	7.4	7.3		6.6	7.3	7.3	200
205							5.5			6	7.5	7.5	6.2	7.4	7.4	6.4	7.3	7.3		6.5	7.3	7.3	205
210										5.9	7.5		6.1	7.4	7.4	6.2	7.3	7.3		6.3	7.1	7.2	210
215										5.7			6	7.3	7.3	6.1	7.2	7.3		6.2	6.8	6.9	215
220													5.9	6.7	6	6	6.9	7		6.1	6.5	6.7	220
225													5.5	6.1		5.8	6.3	6.3		6	6.3	6.4	225
230													5.4			5.7	5.8	6		5.5	6	6.1	230
235																5.6	5.7			5.1	5.6	5.6	235
240																5.4				4.8	5	5	240
245																3.7				4.6	4.7		245
250																				4.4	4.5		250
255																				3.4			255

STERLING CRANE

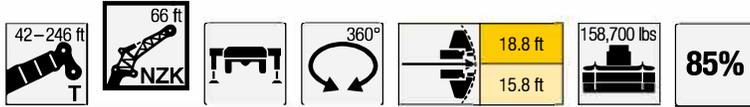


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZK



Lift Height (ft)	213 ft 66 ft			226 ft 66 ft			230 ft 66 ft			237 ft 66 ft			243 ft 66 ft			246 ft 66 ft			Lift Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	12.3			10.7															45
50	12.2			10.6			9.6			9.2			8.5			8.2			50
55	12			10.5			9.5			9.2			8.5			8.2			55
60	11.9			10.4			9.5			9.2			8.5			8.2			60
65	11.8			10.3			9.4			9.2			8.5			8.2			65
70	11.6	9.8		10.2			9.4			9.2			8.5			8.2			70
75	11.5	9.6		10.1	9.1		9.3	8.6		9.1			8.5			8.2			75
80	11.3	9.4		10	8.9		9.2	8.5		9.1	8.4		8.5	8.2		8.2	8.2		80
85	11	9.2	7.9	10	8.8		9.1	8.4		9	8.3		8.5	8.1		8.2	8.1		85
90	10.8	9.1	7.9	9.8	8.6	7.6	9.1	8.3		8.9	8.2		8.5	8		8.2	8		90
95	10.6	8.9	7.8	9.7	8.5	7.6	9	8.2	7.4	8.9	8.1	7.4	8.5	8		8.2	7.9		95
100	10.4	8.7	7.7	9.6	8.4	7.5	8.9	8.1	7.3	8.8	8	7.3	8.4	7.9	7.2	8.2	7.8	7.2	100
105	10.1	8.6	7.6	9.4	8.3	7.4	8.8	8	7.3	8.7	7.9	7.3	8.3	7.8	7.2	8.1	7.7	7.1	105
110	9.9	8.5	7.5	9.3	8.2	7.4	8.6	7.9	7.2	8.5	7.8	7.2	8.2	7.7	7.1	8.1	7.7	7.1	110
115	9.8	8.4	7.5	9.2	8.1	7.3	8.4	7.8	7.2	8.4	7.8	7.1	8.1	7.6	7.1	8	7.6	7.1	115
120	9.6	8.3	7.4	9	8	7.3	8.3	7.7	7.1	8.2	7.7	7.1	7.9	7.5	7.1	7.8	7.5	7	120
125	9.4	8.1	7.4	8.9	7.9	7.2	8.1	7.6	7.1	8	7.6	7.1	7.8	7.5	7	7.7	7.4	7	125
130	9.2	8	7.3	8.8	7.8	7.2	7.9	7.6	7.1	7.9	7.5	7.1	7.6	7.4	7	7.6	7.4	7	130
135	9	7.9	7.3	8.6	7.7	7.2	7.7	7.5	7.1	7.7	7.4	7	7.5	7.3	7	7.4	7.3	6.9	135
140	8.8	7.9	7.3	8.5	7.6	7.2	7.6	7.4	7.1	7.5	7.4	7	7.3	7.2	7	7.3	7.2	6.9	140
145	8.6	7.8	7.2	8.3	7.6	7.1	7.4	7.3	7.1	7.4	7.3	7	7.2	7.1	6.9	7.1	7.1	6.9	145
150	8.4	7.7	7.2	8.2	7.5	7.1	7.2	7.2	7	7.2	7.2	7	7	7	6.9	7	7	6.9	150
155	8.2	7.6	7.2	8	7.4	7.1	7	7	7	7	7	7	6.9	6.9	6.9	6.8	6.8	6.8	155
160	8	7.5	7.2	7.8	7.4	7.1	6.8	6.9	6.9	6.9	6.9	6.9	6.7	6.7	6.8	6.6	6.7	6.8	160
165	7.8	7.5	7.2	7.6	7.3	7.1	6.6	6.7	6.8	6.7	6.7	6.8	6.5	6.6	6.7	6.5	6.5	6.7	165
170	7.6	7.4	7.2	7.4	7.3	7.1	6.4	6.5	6.7	6.6	6.6	6.7	6.3	6.4	6.6	6.3	6.4	6.6	170
175	7.4	7.4	7.2	7.3	7.2	7.1	6.2	6.4	6.5	6.4	6.4	6.6	6.1	6.3	6.5	6.1	6.2	6.5	175
180	7.2	7.3	7.2	7.2	7.2	7.1	6	6.2	6.4	6.3	6.3	6.4	5.9	6.1	6.3	5.9	6.1	6.3	180
185	7.1	7.3	7.2	7	7.1	7.1	5.7	6	6.2	6.1	6.2	6.3	5.7	5.9	6.2	5.7	5.9	6.2	185
190	7	7.3	7.2	6.9	7	7.1	5.5	5.8	6	6	6	6.2	5.5	5.7	6	5.4	5.7	6	190
195	6.8	7.2	7.2	6.8	7	7.1	5.3	5.6	5.8	5.8	5.9	6	5.3	5.6	5.8	5.2	5.5	5.8	195
200	6.7	7.2	7.2	6.7	6.9	7	5.1	5.4	5.6	5.7	5.8	5.9	5.1	5.4	5.6	5	5.3	5.6	200
205	6.6	7.2	7.2	6.5	6.8	6.9	4.9	5.1	5.4	5.6	5.6	5.8	4.9	5.2	5.4	4.7	5.1	5.4	205
210	6.4	7.1	7.2	6.4	6.6	6.8	4.7	4.9	5.1	5.4	5.5	5.7	4.7	5	5.2	4.5	4.9	5.2	210
215	6.2	6.8	7.1	6.2	6.5	6.6	4.5	4.7	4.9	5.3	5.4	5.6	4.5	4.8	5	4.2	4.7	4.9	215
220	6	6.3	6.6	5.8	6.3	6.5	4.3	4.5	4.7	5.2	5.3	5.4	4.3	4.6	4.8	3.9	4.4	4.7	220
225	5.8	6	6.1	5.3	6.1	6.3	4.1	4.3	4.5	5	5.1	5.3	4.1	4.4	4.6	3.6	4.1	4.4	225
230	5.5	5.8	5.9	4.8	5.6	5.9	3.9	4.1	4.3	4.8	5	5.2	4	4.2	4.4	3.4	3.8	4.1	230
235	5.3	5.5	5.6	4.4	5	5.4	3.7	3.9	4	4.5	4.9	5	3.8	4	4.2	3.1	3.6	3.8	235
240	5	5.3	5.4	3.9	4.5	4.8	3.4	3.7	3.8	4	4.7	4.9	3.5	3.8	4	2.9	3.3	3.5	240
245	4.5	5	5.1	3.5	4.1	4.3	3.2	3.5	3.6	3.6	4.2	4.5	3.3	3.6	3.7	2.6	3	3.2	245
250	4.1	4.5	4.5	3.1	3.6	3.8	3	3.3	3.4	3.2	3.8	4	3	3.4	3.5	2.4	2.8	2.9	250
255	3.8	4.1	4	2.7	3.2	3.3	2.8	3.1	3.1	2.8	3.3	3.5	2.6	3.2	3.3		2.5	2.6	255
260	3.4	3.7		2.3	2.8	2.8	2.7	2.8	2.9	2.4	2.9	3.1	2.2	2.7	2.9		2.3	2.3	260
265	2.7				2.3	2.3	2.5	2.6	2.6		2.5	2.6		2.3	2.5				265
270							2.3	2.4	2.4										270
275								2.2											275

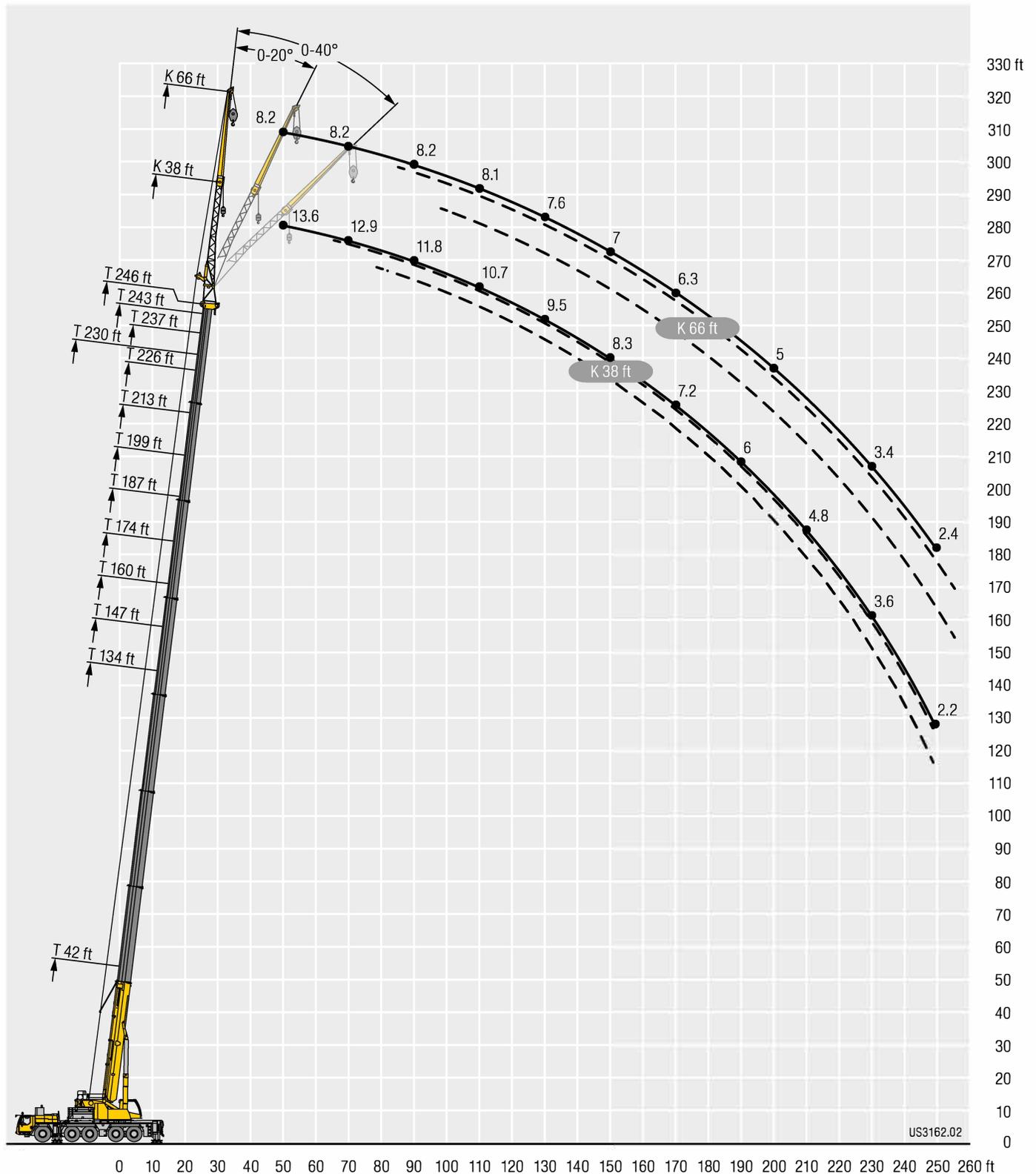


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TNZK



STERLING CRANE

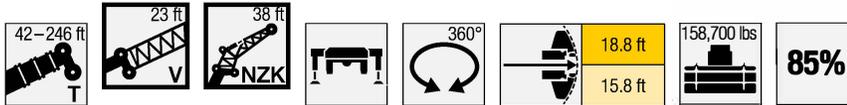


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	42 ft + 23 ft			134 ft + 23 ft			147 ft + 23 ft			160 ft + 23 ft			174 ft + 23 ft			187 ft + 23 ft			199 ft + 23 ft			Lift Height (ft)
	38 ft			38 ft			38 ft			38 ft			38 ft			38 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	46.1																					10
11	46.1																					11
12	46.1																					12
13	46.1																					13
14	46.1																					14
15	46.1																					15
16	46.1																					16
17	46.1																					17
18	46.1																					18
19	46.1																					19
20	46.1																					20
22	46.1	42																				22
24	46.1	40.9																				24
26	46	39.9		40.2																		26
28	44.7	38.3		39.7			37.1															28
30	43.4	36.8		39.3			36.8															30
32	41.9	35.3	24.5	38.8			36.5			33.5												32
34	40.3	34	23.8	38.3			36.1			33.2												34
36	38.7	32.7	23.3	37.8			35.7			32.9			29.5									36
38	37	31.4	22.7	37.2			35.2			32.5			29.2		25.5							38
40	35.3	30.2	22.2	36.6	31.7		34.7			32.2			28.9		25.4				20.3			40
45	31.1	27.3	21.1	35	30.3		33.5	29.4		31.2	27.9		28.3		24.9				20.1			45
50	27.6	24.7	20.1	33.5	29	21.9	32.2	28.2	21.9	30.2	26.9		27.6	25.1	24.4				19.8			50
55	24.8	22.4	19.3	32	27.7	21.3	31	27.1	21.3	29.2	26	21.3	26.8	24.4	23.9	22.3			19.6	18.8		55
60	22.4	20.6	18.5	30.6	26.5	20.8	29.7	26.1	20.8	28.2	25.1	20.7	26.1	23.7	20.5	23.4	21.8		19.3	18.5		60
65	20.4	18.9	17.8	29.3	25.2	20.2	28.6	25.1	20.3	27.3	24.3	20.2	25.3	23	20.1	22.9	21.2	19.7	19	18.2		65
70	18.6	17.5	16.8	28	24	19.7	27.5	24	19.8	26.4	23.5	19.8	24.6	22.3	19.6	22.4	20.7	19.3	18.7	17.9	17	70
75	17.1	16.2	15.7	26.8	22.9	19.3	26.4	23	19.4	25.5	22.7	19.4	23.9	21.7	19.2	21.9	20.2	18.8	18.4	17.6	16.7	75
80	15.7	15.1	14.8	25.7	21.9	18.9	25.4	22	19	24.6	21.8	19	23.3	21	18.9	21.4	19.7	18.3	18.1	17.2	16.4	80
85	14.6	14.1	14	24.5	20.9	18.5	24.5	21.1	18.6	23.8	21	18.6	22.6	20.4	18.4	20.9	19.3	17.8	17.8	16.9	16.1	85
90	13.5	13.2	13.4	23.4	20	18	23.6	20.3	18.2	23	20.2	18.2	21.9	19.7	17.9	20.4	18.8	17.3	17.4	16.6	15.7	90
95	12.6	12.6		22.2	19.2	17.5	22.6	19.5	17.7	22.3	19.4	17.6	21.3	19.1	17.3	19.9	18.3	16.8	17.1	16.3	15.4	95
100				21.1	18.5	16.9	21.7	18.7	17.1	21.5	18.7	17.1	20.7	18.4	16.9	19.4	17.8	16.4	16.6	16	15.1	100
105				20.2	17.7	16.4	20.7	18.1	16.6	20.7	18.1	16.6	20.1	17.8	16.4	18.9	17.2	16	16.2	15.7	14.8	105
110				19.3	17.1	15.9	19.9	17.4	16.2	20	17.5	16.2	19.5	17.3	16	18.4	16.8	15.6	15.7	15.2	14.5	110
115				18.5	16.5	15.5	19.1	16.8	15.7	19.2	17	15.7	18.9	16.7	15.6	17.8	16.3	15.2	15.2	14.7	14.2	115
120				17.8	15.9	15	18.3	16.3	15.3	18.5	16.4	15.4	18.3	16.3	15.2	17.2	15.9	14.9	14.6	14.3	13.9	120
125				17	15.4	14.6	17.6	15.8	14.9	17.8	15.9	15	17.7	15.8	14.9	16.5	15.4	14.6	14.1	13.8	13.6	125
130				16.4	14.9	14.3	17	15.3	14.5	17.2	15.5	14.6	17.1	15.4	14.5	15.7	15	14.3	13.6	13.4	13.2	130
135				15.8	14.4	14	16.3	14.8	14.2	16.6	15	14.3	16.6	15	14.2	15	14.6	14	13	12.9	12.8	135
140				15.2	14	13.6	15.8	14.4	13.9	16.1	14.6	14	16	14.6	13.9	14.3	14.2	13.8	12.5	12.4	12.4	140
145				14.7	13.6	13.4	15.2	14	13.6	15.6	14.2	13.7	15.5	14.2	13.7	13.6	13.7	13.5	12	12	12	145
150				14.2	13.3	13.1	14.7	13.6	13.3	15	13.8	13.4	14.8	13.9	13.4	13	13.1	13.1	11.5	11.5	11.6	150
155				13.7	12.9	12.9	14.3	13.3	13.1	14.5	13.5	13.2	13.9	13.5	13.2	12.4	12.6	12.7	11	11.1	11.2	155
160				13.3	12.6	12.7	13.8	13	12.9	13.3	13.2	13	12.8	13.1	13	11.8	12	12.1	10.5	10.6	10.8	160
165				12.9	12.4	12.6	13.4	12.7	12.7	12.4	12.8	12.8	11.8	12.5	12.6	11.3	11.4	11.6	10	10.2	10.4	165
170				12.5	12.1	11.9	12.7	12.4	12.5	11.8	12	12.2	10.8	11.5	11.9	10.6	10.9	11.1	9.6	9.8	10	170
175				12.2	11.9	9.1	11.9	12.1	12.3	11.2	11.4	11.6	9.9	10.5	10.9	9.7	10.3	10.6	9.3	9.4	9.6	175
180				11.7	11.8		11	11.4	11.5	10.4	10.8	11	9.5	9.7	10	9	9.5	9.9	8.9	9.1	9.2	180
185				8.9			10.2	10.5	9.8	9.7	10	10.2	9.1	9.3	9.4	8.4	8.9	9.2	8.5	8.8	8.9	185
190							9.6	9.8		9.1	9.4	9.5	8.7	8.9	9	8	8.2	8.5	8	8.4	8.6	190
195							8.1			8.5	8.8	8.8	8.2	8.5	8.7	7.7	7.8	7.9	7.4	7.9	8.1	195
200							5.3			7.9	8.2	8.1	7.6	8	8.1	7.3	7.5	7.6	6.9	7.3	7.5	200
205										7.3	7.5		7	7.4	7.4	7	7.2	7.3	6.6	6.8	6.9	205
210										5.4			6.5	6.8	6.8	6.5	6.8	6.9	6.4	6.5	6.6	210
215													5.9	6.2		5.9	6.3	6.3	6.1	6.2	6.3	215
220													5.3	5.4		5.7	5.7	5.8	5.8	6	6	220
225													5.2			5.5	5.6	5.6	5.3	5.6	5.7	225
230																5.4	5.4		4.8	5.1	5.1	230
235																5.2			4.5	4.6	4.6	235
240																3.5			4.3	4.4		240
245																			4.1	4.2		245
250																			3.2			250

STERLING CRANE

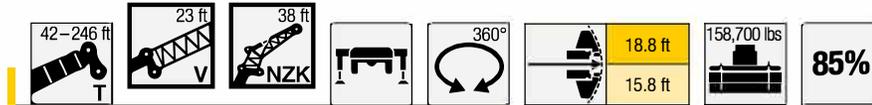


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	213 ft + 23 ft			226 ft + 23 ft			230 ft + 23 ft			237 ft + 23 ft			243 ft + 23 ft			246 ft + 23 ft			Lift Height (ft)
	38 ft			38 ft			38 ft			38 ft			38 ft			38 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	16.7																		45
50	16.6			13.5			10.8			10.5			9.9						50
55	16.4			13.5			10.7			10.3			9.8			9.6			55
60	16.3	15.9		13.4			10.5			10.2			9.7			9.5			60
65	16.1	15.7		13.3	12.9		10.4	10.3		10.1	10.1		9.6			9.4			65
70	15.9	15.5	14.6	13.1	12.7		10.2	10.1		10	9.9		9.5	9.5		9.3	9.3		70
75	15.7	15.3	14.4	12.8	12.5	12.1	10	9.9	10	9.8	9.8		9.4	9.4		9.2	9.2		75
80	15.5	15	14.2	12.6	12.2	11.8	9.8	9.7	9.8	9.7	9.6	9.6	9.3	9.2	9.3	9.1	9.1	9.1	80
85	15.1	14.5	14	12.3	11.9	11.5	9.7	9.6	9.6	9.5	9.4	9.4	9.1	9.1	9.1	9	8.9	9	85
90	14.6	14.1	13.7	12	11.5	11.2	9.5	9.4	9.4	9.3	9.2	9.3	8.9	8.9	9	8.8	8.8	8.8	90
95	14.2	13.6	13.4	11.6	11.2	11	9.3	9.2	9.2	9.1	9.1	9.1	8.8	8.8	8.8	8.6	8.6	8.7	95
100	13.7	13.2	13	11.3	10.9	10.6	9	9	9	8.9	8.9	8.9	8.6	8.6	8.6	8.4	8.4	8.5	100
105	13.3	12.8	12.6	10.9	10.6	10.3	8.8	8.8	8.8	8.7	8.7	8.7	8.4	8.4	8.5	8.3	8.3	8.4	105
110	12.8	12.4	12.2	10.6	10.3	10.1	8.6	8.6	8.6	8.5	8.5	8.5	8.2	8.2	8.3	8.1	8.1	8.2	110
115	12.4	12	11.8	10.3	10	9.8	8.4	8.3	8.4	8.3	8.3	8.4	8.1	8	8.1	7.9	7.9	8	115
120	12	11.6	11.4	9.9	9.7	9.6	8.2	8.2	8.2	8.1	8.1	8.2	7.9	7.9	7.9	7.8	7.8	7.8	120
125	11.6	11.2	11.1	9.6	9.4	9.4	8	8	8	7.9	7.9	8	7.7	7.7	7.7	7.6	7.6	7.7	125
130	11.2	10.9	10.7	9.4	9.2	9.2	7.8	7.7	7.8	7.7	7.7	7.8	7.5	7.5	7.6	7.4	7.4	7.5	130
135	10.9	10.5	10.4	9.1	9	8.9	7.6	7.5	7.6	7.5	7.5	7.6	7.3	7.3	7.4	7.2	7.2	7.3	135
140	10.6	10.2	10.2	8.9	8.8	8.7	7.4	7.4	7.4	7.3	7.3	7.4	7.2	7.1	7.2	7.1	7.1	7.2	140
145	10.3	10	9.9	8.7	8.5	8.5	7.2	7.2	7.2	7.2	7.1	7.2	7	7	7	6.9	6.9	7	145
150	10	9.7	9.7	8.5	8.3	8.3	6.9	7	7.1	7	6.9	7	6.8	6.8	6.9	6.8	6.7	6.8	150
155	9.7	9.5	9.4	8.3	8.1	8.1	6.7	6.8	6.9	6.8	6.8	6.9	6.6	6.6	6.7	6.6	6.6	6.7	155
160	9.4	9.2	9.2	8	7.9	8	6.5	6.6	6.7	6.6	6.6	6.7	6.4	6.5	6.6	6.4	6.4	6.5	160
165	9.1	9	9	7.8	7.7	7.8	6.3	6.4	6.5	6.5	6.4	6.5	6.2	6.3	6.4	6.2	6.3	6.4	165
170	8.8	8.8	8.8	7.7	7.5	7.6	6.1	6.2	6.3	6.3	6.3	6.4	6	6.1	6.2	6	6.1	6.2	170
175	8.5	8.5	8.6	7.5	7.4	7.4	5.9	6	6.1	6.1	6.1	6.2	5.8	5.9	6	5.8	5.9	6	175
180	8.2	8.3	8.4	7.3	7.2	7.3	5.6	5.8	5.9	6	6	6.1	5.6	5.7	5.8	5.5	5.7	5.8	180
185	7.9	8.1	8.2	7.1	7.1	7.1	5.4	5.6	5.7	5.8	5.8	5.9	5.4	5.5	5.6	5.3	5.5	5.6	185
190	7.7	7.8	7.9	7	6.9	7	5.2	5.3	5.5	5.7	5.7	5.8	5.2	5.3	5.4	5	5.3	5.4	190
195	7.4	7.5	7.6	6.8	6.7	6.8	4.9	5.1	5.2	5.5	5.6	5.6	5	5.1	5.2	4.7	5	5.2	195
200	7	7.2	7.3	6.6	6.6	6.7	4.7	4.9	5	5.4	5.4	5.5	4.7	4.9	5	4.5	4.7	4.9	200
205	6.4	6.9	7	6.4	6.4	6.5	4.5	4.6	4.8	5.3	5.3	5.4	4.5	4.7	4.8	4.2	4.5	4.7	205
210	6	6.3	6.6	6.1	6.3	6.3	4.3	4.4	4.5	5.1	5.2	5.2	4.3	4.5	4.6	3.9	4.2	4.4	210
215	5.8	5.9	6	5.6	6.1	6.2	4	4.2	4.3	5	5	5.1	4.1	4.3	4.4	3.6	3.9	4.1	215
220	5.6	5.7	5.8	5.1	5.6	5.8	3.8	4	4.1	4.8	4.9	5	3.9	4	4.2	3.3	3.6	3.8	220
225	5.4	5.5	5.5	4.6	5	5.3	3.6	3.8	3.8	4.6	4.7	4.8	3.6	3.8	3.9	3.1	3.3	3.5	225
230	5.1	5.2	5.3	4.1	4.5	4.7	3.3	3.5	3.6	4.2	4.6	4.7	3.4	3.6	3.7	2.8	3.1	3.2	230
235	4.7	5	5	3.7	4	4.2	3.1	3.3	3.4	3.8	4.2	4.4	3.2	3.4	3.5	2.6	2.8	2.9	235
240	4.2	4.5	4.6	3.2	3.6	3.7	2.9	3.1	3.1	3.3	3.7	3.9	3	3.2	3.3	2.3	2.5	2.6	240
245	3.8	4.1	4.1	2.8	3.1	3.2	2.7	2.8	2.9	2.9	3.3	3.4	2.7	3	3		2.3	2.3	245
250	3.4	3.7	3.6	2.4	2.7	2.7	2.5	2.6	2.6	2.5	2.8	2.9	2.3	2.6	2.8				250
255	3.1	3.2			2.3	2.3	2.3	2.4	2.4		2.4	2.5		2.2	2.3				255
260	2.3																		260

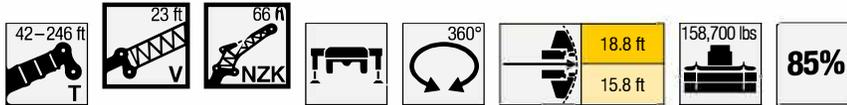


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	42 ft + 23 ft			134 ft + 23 ft			147 ft + 23 ft			160 ft + 23 ft			174 ft + 23 ft			187 ft + 23 ft			199 ft + 23 ft			Lift Height (ft)		
	66 ft			66 ft			66 ft			66 ft			66 ft			66 ft								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
13	19.3																					13		
14	19.3																					14		
15	19.3																					15		
16	19.3																					16		
17	19.3																					17		
18	19.3																					18		
19	19.3																					19		
20	19.3																					20		
22	19.4																					22		
24	19.4																					24		
26	19.4																					26		
28	19.4				16.4																	28		
30	19.3				16.4			16														30		
32	19.1				16.4			16		15.2												32		
34	18.8				16.4			16		15.2												34		
36	18.4	14.3			16.4			15.9		15.2				14.2								36		
38	18	14			16.4			15.9		15.1				14.2								38		
40	17.6	13.7			16.3			15.8		15.1				14.2		13						40		
45	16.5	12.9			16.2			15.6		14.9				14.1		13				11.5		45		
50	15.5	12.2			15.9			15.5		14.8				13.9		12.8				11.4		50		
55	14.6	11.5	9.3		15.6	12.1		15.2	12	14.6				13.8		12.7			11.3			55		
60	13.7	10.9	9		15.3	11.7		15	11.6	14.4	11.4			13.6		12.5			11.2			60		
65	12.6	10.4	8.8		14.9	11.3		14.6	11.3	14.2	11.1			13.4	10.8			12.4	10.4	11.1		65		
70	11.5	9.9	8.6		14.4	11	8.8	14.2	10.9	13.8	10.8			13.2	10.5			12.2	10.1	11	9.6	70		
75	10.5	9.5	8.3		13.9	10.6	8.6	13.8	10.6	13.4	10.5	8.5		12.9	10.2			12	9.9		10.8	9.5	75	
80	9.7	9.2	8.2		13.4	10.3	8.5	13.4	10.3	13.1	10.2	8.4		12.5	10	8.3		11.8	9.7		10.7	9.3	80	
85	9	8.9	8		13	10	8.4	12.9	10	12.7	9.9	8.3		12.2	9.8	8.2		11.5	9.5	8.1	10.6	9.2	85	
90	8.4	8.6	7.9		12.5	9.8	8.3	12.5	9.8	12.3	9.7	8.2		11.9	9.6	8.1		11.3	9.4	8	10.4	9	7.8	90
95	7.9	8.4	7.8		12.1	9.6	8.1	12.1	9.6	12	9.5	8.1		11.6	9.4	8		11	9.2	7.9	10.2	8.9	7.7	95
100	7.5	8.2	7.8		11.7	9.4	8	11.7	9.4	11.6	9.3	8		11.3	9.2	7.9		10.8	9	7.8	10	8.7	7.7	100
105	7.1	8	7.8		11.3	9.2	7.9	11.4	9.2	11.3	9.2	7.9		11	9.1	7.8		10.5	8.9	7.7	9.9	8.6	7.6	105
110	6.7	7.9	7.8		10.9	9	7.9	11	9	10.9	9	7.8		10.7	8.9	7.8		10.3	8.7	7.7	9.7	8.5	7.5	110
115	6.4	7.8	7.8		10.5	8.8	7.8	10.7	8.9	10.6	8.8	7.8		10.4	8.8	7.7		10.1	8.6	7.6	9.6	8.4	7.5	115
120	6.1	7.7			10	8.7	7.7	10.3	8.7	10.3	8.7	7.7		10.2	8.6	7.6		9.9	8.5	7.6	9.4	8.3	7.4	120
125	5.8				9.6	8.5	7.7	10	8.6	10	8.6	7.6		9.9	8.5	7.6		9.7	8.4	7.5	9.3	8.2	7.4	125
130					9.2	8.4	7.6	9.6	8.4	9.7	8.4	7.6		9.7	8.4	7.5		9.5	8.2	7.5	9.1	8.1	7.3	130
135					8.9	8.3	7.6	9.2	8.3	9.4	8.3	7.5		9.4	8.3	7.5		9.3	8.1	7.4	9	8	7.3	135
140					8.6	8.1	7.6	8.9	8.2	9.1	8.2	7.5		9.2	8.2	7.5		9.1	8.1	7.4	8.8	7.9	7.3	140
145					8.3	8	7.5	8.6	8.1	8.8	8.1	7.5		8.9	8.1	7.4		8.9	8	7.3	8.6	7.8	7.2	145
150					8	7.9	7.5	8.3	8	8.5	8	7.4		8.7	8	7.4		8.6	7.9	7.3	8.4	7.7	7.2	150
155					7.8	7.8	7.5	8.1	7.9	8.3	7.9	7.4		8.4	7.9	7.4		8.4	7.8	7.3	8.3	7.6	7.2	155
160					7.5	7.8	7.5	7.8	7.8	8.1	7.8	7.4		8.2	7.8	7.3		8.2	7.7	7.3	8.1	7.6	7.2	160
165					7.3	7.7	7.5	7.6	7.7	7.8	7.7	7.4		8	7.7	7.3		8	7.6	7.3	7.9	7.5	7.2	165
170					7.1	7.6	7.5	7.4	7.7	7.6	7.7	7.4		7.8	7.6	7.3		7.8	7.6	7.3	7.8	7.5	7.2	170
175					6.9	7.6	7.5	7.1	7.6	7.4	7.6	7.4		7.6	7.6	7.3		7.6	7.5	7.3	7.6	7.4	7.2	175
180					6.7	7.5	7.5	7	7.5	7.2	7.5	7.4		7.4	7.5	7.3		7.4	7.5	7.3	7.4	7.3	7.2	180
185					6.5	7.5	7.5	6.8	7.5	7	7.5	7.4		7.2	7.5	7.3		7.3	7.4	7.3	7.3	7.3	7.2	185
190					6.4	7.5	7.5	6.6	7.5	6.8	7.5	7.4		7	7.4	7.3		7.1	7.4	7.3	7.1	7.3	7.2	190
195					6.2	7.5	7.5	6.5	7.5	6.7	7.4	7.4		6.9	7.4	7.3		6.9	7.3	7.3	7	7.2	7.2	195
200					6.1	7.4	7.5	6.3	7.4	6.5	7.4	7.4		6.7	7.4	7.3		6.8	7.3	7.3	6.8	7.2	7.2	200
205					5.9	7.4		6.2	7.4	6.4	7.4	7.4		6.6	7.3	7.3		6.7	7.3	7.3	6.6	7	7.1	205
210					5.8	7.4		6.1	7.3	6.3	7.4	7.4		6.4	7.2	7.3		6.3	7.1	7.3	6.3	6.8	7	210
215					5.4			5.9	7.3	6.1	7.3	7.4		6.3	7	7.2		6.1	6.6	7	5.8	6.5	6.8	215
220								5.8	7.3	6	7.1	7.2		6.2	6.8	6.9		5.9	6.1	6.4	5.4	6.1	6.5	220
225								5.2		5.9	6.6	6.5		5.8	6.4	6.6		5.7	5.9	6	5.2	5.5	6	225
230										5.7	6			5.4	5.9	6		5.3	5.7	5.8	5	5.2	5.4	230
235										4.7	5.5			4.9	5.3	5.4		4.8	5.4	5.5	4.8	5	5.2	235
240										2.8				4.5	4.8	4.7		4.4	4.9	5	4.5	4.8	4.9	240
245														4.1	4.3			4.2	4.4	4.5	4.1	4.6	4.7	245
250														3.9				4	4.1	4.3	3.7	4.2	4.3	250
255														3.4				3.9	4		3.5	3.8	3.8	255
260																		3.9	3.9		3.3	3.5	3.4	260
265																		3.3			3.1	3.2	3.2	265
270																					2.9	3		270
275																					2.5			275

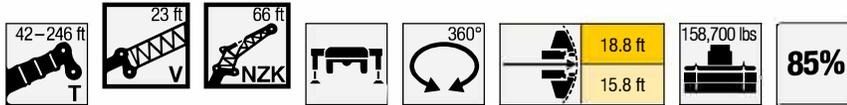


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	213 ft + 23 ft			226 ft + 23 ft			230 ft + 23 ft			237 ft + 23 ft			243 ft + 23 ft			246 ft + 23 ft			Lift Height (ft)
	66 ft			66 ft			66 ft			66 ft			66 ft			66 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	9.9			8.2															50
55	9.9			8.2			6.9			6.4			6						55
60	9.8			8.2			6.9			6.4			6			5.8			60
65	9.7			8.2			6.9			6.4			6			5.8			65
70	9.7			8.2			6.9			6.4			6			5.8			70
75	9.6	8.9		8.2			6.9			6.4			6			5.8			75
80	9.5	8.8		8.2	7.9		6.9			6.4			6			5.8			80
85	9.4	8.7		8.2	7.9		6.9	6.9		6.4	6.8		6	6.4		5.8			85
90	9.4	8.5		8.1	7.9		6.9	6.9		6.4	6.8		6	6.4		5.8	6.3		90
95	9.3	8.4	7.5	8.1	7.8		6.9	6.9		6.4	6.7		6	6.4		5.8	6.3		95
100	9.2	8.3	7.5	8	7.8	7.2	6.9	6.9		6.4	6.7		6	6.4		5.8	6.3		100
105	9.1	8.2	7.4	8	7.7	7.2	6.8	6.8	6.7	6.4	6.7	6.5	6	6.4	6.2	5.8	6.3		105
110	9	8.1	7.3	7.9	7.6	7.1	6.7	6.7	6.7	6.4	6.6	6.5	6	6.3	6.2	5.8	6.2	6	110
115	8.9	8	7.3	7.9	7.4	7.1	6.6	6.6	6.6	6.4	6.5	6.5	6	6.2	6.2	5.8	6.2	6	115
120	8.8	7.9	7.3	7.8	7.3	7	6.4	6.4	6.4	6.3	6.4	6.4	6	6.2	6.2	5.8	6.1	6	120
125	8.7	7.8	7.2	7.6	7.2	6.9	6.3	6.3	6.3	6.2	6.2	6.3	6	6	6.1	5.8	6	6	125
130	8.6	7.8	7.2	7.5	7	6.7	6.2	6.2	6.2	6.1	6.1	6.1	5.9	5.9	6	5.8	5.9	6	130
135	8.4	7.7	7.1	7.3	6.9	6.6	6.1	6.1	6	6	6	6	5.8	5.8	5.9	5.7	5.8	5.9	135
140	8.3	7.6	7.1	7.2	6.8	6.5	5.9	5.9	5.9	5.8	5.9	5.9	5.7	5.7	5.8	5.6	5.6	5.7	140
145	8.1	7.5	7.1	7	6.7	6.4	5.8	5.8	5.8	5.7	5.8	5.8	5.5	5.6	5.7	5.5	5.5	5.6	145
150	8	7.5	7.1	6.9	6.5	6.4	5.6	5.7	5.6	5.6	5.6	5.7	5.4	5.5	5.5	5.4	5.4	5.5	150
155	7.8	7.4	7.1	6.7	6.4	6.3	5.5	5.5	5.5	5.5	5.5	5.5	5.3	5.4	5.4	5.2	5.3	5.4	155
160	7.6	7.3	7.1	6.5	6.3	6.2	5.3	5.4	5.4	5.3	5.4	5.4	5.2	5.3	5.3	5.1	5.2	5.3	160
165	7.5	7.2	7.1	6.4	6.2	6.1	5.2	5.3	5.3	5.2	5.2	5.3	5.1	5.1	5.2	5	5.1	5.2	165
170	7.3	7.1	7	6.2	6.1	6	5.1	5.1	5.2	5.1	5.1	5.2	4.9	5	5.1	4.9	5	5.1	170
175	7.1	7	7	6.1	6	5.9	4.9	5	5.1	4.9	5	5.1	4.8	4.9	5	4.8	4.8	5	175
180	6.9	6.8	6.9	5.9	5.9	5.8	4.8	4.9	5	4.8	4.9	5	4.6	4.8	4.9	4.6	4.7	4.9	180
185	6.8	6.7	6.7	5.8	5.7	5.8	4.7	4.8	4.8	4.7	4.7	4.9	4.5	4.6	4.8	4.5	4.6	4.8	185
190	6.6	6.5	6.6	5.6	5.6	5.7	4.5	4.6	4.7	4.6	4.6	4.7	4.3	4.5	4.7	4.3	4.5	4.7	190
195	6.5	6.4	6.5	5.5	5.5	5.5	4.3	4.5	4.6	4.4	4.5	4.6	4.2	4.4	4.6	4.1	4.3	4.5	195
200	6.3	6.2	6.3	5.4	5.3	5.4	4.1	4.4	4.5	4.3	4.4	4.5	4	4.2	4.4	4	4.2	4.4	200
205	6.1	6.1	6.2	5.2	5.2	5.3	3.9	4.2	4.4	4.2	4.3	4.4	3.9	4.1	4.3	3.8	4.1	4.3	205
210	5.9	6	6.1	5.1	5.1	5.2	3.7	4	4.3	4.1	4.2	4.3	3.7	4	4.2	3.5	3.9	4.1	210
215	5.7	5.8	6	5	5	5.1	3.5	3.8	4.1	4	4.1	4.2	3.5	3.8	4	3.3	3.8	4	215
220	5.4	5.7	5.8	4.9	4.9	5	3.3	3.6	3.9	3.9	4	4.1	3.3	3.6	3.8	3	3.5	3.8	220
225	4.9	5.5	5.7	4.8	4.8	4.9	3.1	3.4	3.7	3.8	3.9	4	3.1	3.4	3.7	2.8	3.3	3.6	225
230	4.6	5.2	5.5	4.6	4.7	4.8	2.9	3.2	3.4	3.7	3.8	3.9	2.9	3.2	3.4	2.5	3	3.3	230
235	4.5	4.7	5.1	4.2	4.6	4.7	2.7	3	3.2	3.6	3.7	3.8	2.7	3	3.2	2.3	2.8	3.1	235
240	4.3	4.4	4.6	3.8	4.5	4.6	2.5	2.8	3	3.5	3.6	3.7	2.5	2.8	3		2.5	2.8	240
245	4.2	4.3	4.4	3.3	4	4.4	2.3	2.6	2.8	3.3	3.5	3.6	2.3	2.6	2.8		2.3	2.5	245
250	3.9	4.2	4.3	2.9	3.6	3.9		2.4	2.6	2.9	3.4	3.5		2.4	2.6			2.2	250
255	3.5	4	4	2.5	3.2	3.4			2.3	2.6	3.2	3.4		2.3	2.4				255
260	3.2	3.6	3.7		2.7	3					2.8	3.1			2.2				260
265	2.8	3.2	3.3		2.3	2.5					2.4	2.7							265
270	2.5	2.8	2.9									2.3							270
275		2.5	2.4																275

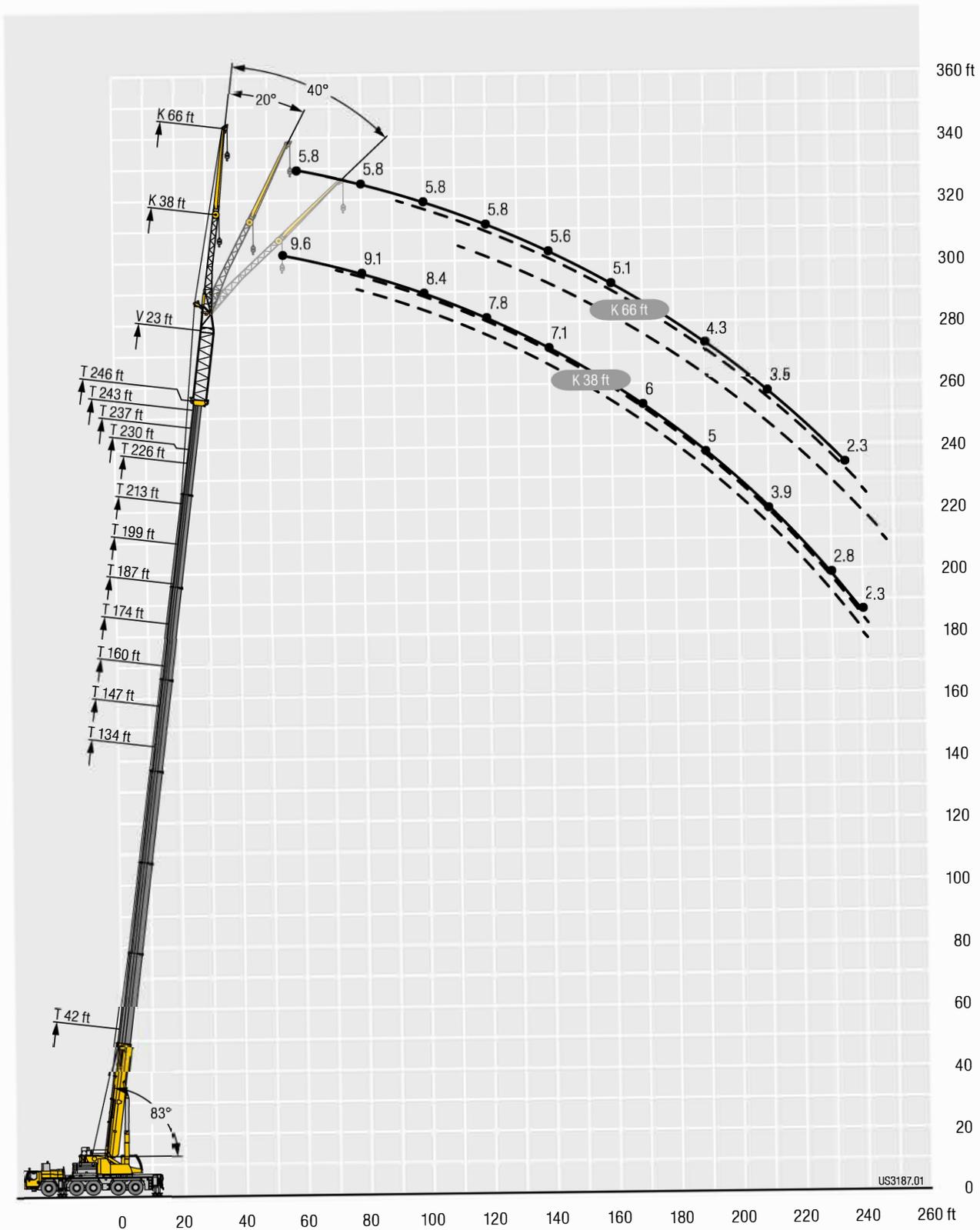


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TVNZK



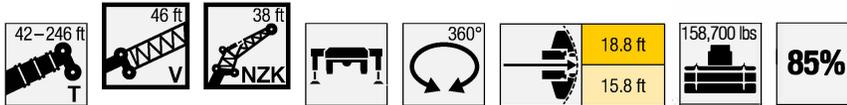


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	42 ft + 46 ft			134 ft + 46 ft			147 ft + 46 ft			160 ft + 46 ft			174 ft + 46 ft			187 ft + 46 ft			199 ft + 46 ft			Lift Height (ft)				
	38 ft			38 ft			38 ft			38 ft			38 ft			38 ft			38 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°	
13	46.1																								13	
14	46.1																									14
15	45.9																									15
16	45.5																									16
17	44.9																									17
18	44.1																									18
19	43.3																									19
20	42.5																									20
22	40.9																									22
24	39.3																									24
26	37.7	34.3																								26
28	36.2	33																								28
30	34.8	31.7		28.5																						30
32	33.4	30.6		28.2			26.4																			32
34	32.1	29.4		27.7			26.1		21.9																	34
36	30.9	28.2	23.9	27.3			25.8		23.8																	36
38	29.6	26.9	23.4	26.9			25.4		23.5			19.8														38
40	28.3	25.7	23	26.4			25		23.2			19.6			17.1											40
45	25.1	22.9	21.4	25.2	22.8		24		22.4			19.1			16.8							14.2				45
50	22.4	20.6	19.4	24.1	21.8		23.1	21	21.6	20		18.7			16.4						14					50
55	20	18.6	17.6	23	20.8	19	22.1	20.2	18.5	20.9	19.2	18.2	17.1		16.1	15.3					13.8					55
60	17.9	16.9	16.1	21.9	19.8	18	21.2	19.3	17.8	20.1	18.5	17.2		15.7	15						13.5	13.1				60
65	16.2	15.4	14.8	20.9	18.9	17.1	20.3	18.5	16.9	19.3	17.8	16.5	17.1	16.1	15.3	15.3	14.6				13.2	12.8				65
70	14.7	14.1	13.6	19.9	17.9	16.2	19.5	17.8	16.2	18.6	17.1	15.8	16.6	15.6	14.8	14.9	14.2	13.7			13	12.5	12.2			70
75	13.4	12.9	12.5	19	17	15.5	18.7	16.9	15.4	17.9	16.5	15.2	16.1	15.1	14.4	14.5	13.8	13.3			12.7	12.3	11.9			75
80	12.3	11.9	11.6	18.1	16.1	14.7	17.9	16.1	14.7	17.3	15.9	14.5	15.6	14.6	14	14.2	13.5	13			12.4	12	11.7			80
85	11.3	10.9	10.8	17.2	15.3	14.1	17.2	15.4	14.1	16.6	15.2	13.9	15.1	14.2	13.6	13.8	13.1	12.6			12.2	11.7	11.4			85
90	10.4	10.2	10	16.3	14.6	13.5	16.4	14.7	13.5	16	14.5	13.4	14.6	13.8	13.1	13.4	12.7	12.3			11.9	11.4	11.2			90
95	9.7	9.5	9.5	15.5	13.8	12.8	15.7	14	13	15.4	13.9	12.9	14.2	13.3	12.7	13.1	12.4	12			11.6	11.2	10.9			95
100	9.1	9	9	14.7	13.2	12.3	14.9	13.4	12.4	14.8	13.3	12.4	13.7	12.9	12.2	12.7	12.1	11.7			11.4	10.9	10.7			100
105	8.6	8.5	8.5	14	12.6	11.8	14.3	12.8	11.9	14.2	12.8	12	13.3	12.5	11.8	12.4	11.7	11.3			11.1	10.7	10.4			105
110	8.1	8.1	8.1	13.3	12.1	11.4	13.6	12.3	11.5	13.6	12.3	11.5	12.9	12.1	11.4	12	11.4	11			10.9	10.4	10.2			110
115	7.7	7.7	7.5	12.7	11.5	10.9	13	11.8	11.1	13	11.8	11.1	12.5	11.7	11	11.7	11.1	10.6			10.6	10.2	10			115
120	7.4			12.1	11	10.5	12.4	11.3	10.7	12.5	11.3	10.8	12.1	11.3	10.7	11.4	10.8	10.3			10.4	10	9.8			120
125				11.5	10.6	10.1	11.8	10.8	10.3	11.9	10.9	10.4	11.7	10.9	10.4	11.1	10.5	10			10.2	9.8	9.5			125
130				11	10.2	9.8	11.3	10.4	10	11.4	10.6	10.1	11.3	10.5	10.1	10.8	10.1	9.8			10	9.6	9.3			130
135				10.6	9.8	9.6	10.8	10.1	9.7	11	10.2	9.9	10.9	10.2	9.8	10.5	9.9	9.6			9.8	9.4	9.2			135
140				10.1	9.5	9.3	10.4	9.7	9.4	10.6	9.9	9.6	10.6	9.9	9.6	10.2	9.6	9.3			9.6	9.2	9			140
145				9.7	9.2	9	10.1	9.4	9.2	10.2	9.6	9.4	10.3	9.6	9.4	9.9	9.4	9.2			9.4	9	8.8			145
150				9.4	8.9	8.8	9.7	9.2	8.9	9.9	9.3	9.1	10	9.4	9.1	9.7	9.2	9			9.2	8.8	8.6			150
155				9.1	8.7	8.5	9.4	8.9	8.7	9.6	9.1	8.9	9.7	9.1	8.9	9.4	9	8.8			9	8.6	8.5			155
160				8.8	8.5	8.4	9.1	8.7	8.5	9.3	8.9	8.7	9.4	8.9	8.8	9.2	8.8	8.6			8.8	8.4	8.3			160
165				8.5	8.2	8.2	8.8	8.4	8.3	9	8.6	8.5	9.1	8.7	8.6	9	8.6	8.4			8.6	8.3	8.2			165
170				8.3	8	8	8.6	8.2	8.2	8.8	8.4	8.3	8.9	8.5	8.4	8.8	8.4	8.3			8.3	8.1	8			170
175				8.1	7.8	7.9	8.3	8	8	8.6	8.3	8.2	8.7	8.3	8.2	8.6	8.2	8.1			8	7.9	7.9			175
180				7.8	7.6	7.7	8.1	7.9	7.8	8.4	8.1	8	8.5	8.1	8.1	8.4	8.1	8			7.8	7.7	7.7			180
185				7.6	7.5	7.6	7.9	7.7	7.7	8.2	7.9	7.9	8.3	8	7.9	8.2	7.9	7.8			7.5	7.5	7.6			185
190				7.5	7.3	7.5	7.7	7.5	7.6	8	7.7	7.8	8.1	7.8	7.8	8	7.7	7.7			7.2	7.3	7.4			190
195				7.3	7.2	7.4	7.5	7.4	7.5	7.8	7.6	7.6	7.6	7.7	7.7	7.4	7.6	7.6			7	7.1	7.2			195
200				7.2	7.1		7.4	7.3	7.4	7.6	7.4	7.5	7.2	7.4	7.6	6.8	7.3	7.5			6.7	6.8	6.9			200
205				7			7.2	7.1	7.3	7.5	7.3	7.4	7	7.1	7.2	6.3	6.7	7			6.2	6.6	6.7			205
210				5.2			7.1	7	7.2	7	7.2	7.3	6.6	6.8	6.9	6	6.1	6.3			5.6	6.1	6.4			210
215							6.7	6.9		6.4	6.7	6.8	6.2	6.5	6.6	5.8	5.9	5.9			5.3	5.6	5.8			215
220							4.9			5.9	6.2	6.1	5.6	6	6.1	5.5	5.6	5.7			5	5.2	5.3			220
225										5.4	5.6		5.1	5.4	5.5	5.1	5.4	5.4			4.8	4.9	5			225
230										4.5			4.6	4.9	4.9	4.6	4.9	5			4.6	4.7	4.8			230
235										2.6			4.2	4.4	4.4	4.1	4.4	4.5			4.3	4.5	4.6			235
240													3.8	3.9		3.9	4	4			3.8	4.1	4.2			240
245													3.6			3.8	3.8	3.9			3.4	3.7	3.8			245
250													3.2			3.7	3.7				3.2	3.3	3.3			250
255																3.6					3	3.1	3.1			255
260																3.1					2.8	2.9	2.8			260
265																					2.6	2.6				265

STERLING CRANE

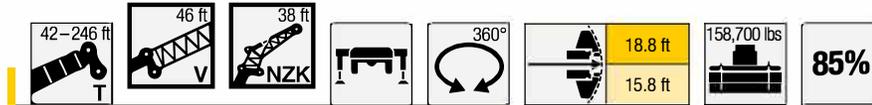


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	213 ft + 46 ft			226 ft + 46 ft			230 ft + 46 ft			237 ft + 46 ft			243 ft + 46 ft			246 ft + 46 ft			Lift Height (ft)
	38 ft			38 ft			38 ft			38 ft			38 ft			38 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	11.6																		50
55	11.4			9.4			7.9			7.7									55
60	11.2			9.4			7.8			7.6			7.2			6.9			60
65	11.1	10.9		9.3			7.7			7.5			7.1			6.9			65
70	10.9	10.7		9.2	9		7.6	7.7		7.5			7.1			6.9			70
75	10.8	10.5	10.3	9.1	8.9		7.5	7.5		7.4	7.4		7	7		6.8	6.9		75
80	10.6	10.3	10.2	8.9	8.7	8.5	7.4	7.4		7.3	7.3		6.9	6.9		6.8	6.8		80
85	10.4	10.1	10	8.8	8.6	8.4	7.3	7.3	7.4	7.1	7.1	7.2	6.8	6.8	6.9	6.7	6.7		85
90	10.2	10	9.9	8.6	8.4	8.2	7.2	7.1	7.2	7	7	7.1	6.7	6.7	6.8	6.6	6.6	6.7	90
95	10.1	9.8	9.7	8.5	8.2	8	7	7	7.1	6.9	6.9	6.9	6.6	6.6	6.7	6.5	6.5	6.6	95
100	9.9	9.7	9.6	8.3	8	7.8	6.9	6.9	6.9	6.8	6.7	6.8	6.5	6.5	6.6	6.4	6.4	6.4	100
105	9.8	9.5	9.4	8.2	7.9	7.7	6.7	6.7	6.8	6.6	6.6	6.7	6.4	6.4	6.4	6.3	6.2	6.3	105
110	9.6	9.4	9.3	8	7.7	7.5	6.6	6.6	6.6	6.5	6.5	6.5	6.2	6.2	6.3	6.1	6.1	6.2	110
115	9.3	9.2	9.2	7.8	7.5	7.4	6.5	6.4	6.5	6.4	6.3	6.4	6.1	6.1	6.2	6	6	6.1	115
120	9.1	9	9	7.7	7.4	7.2	6.3	6.3	6.3	6.2	6.2	6.3	6	6	6.1	5.9	5.9	6	120
125	8.9	8.8	8.7	7.5	7.2	7.1	6.1	6.1	6.2	6.1	6.1	6.1	5.9	5.9	5.9	5.8	5.8	5.9	125
130	8.7	8.5	8.5	7.3	7.1	6.9	6	6	6	5.9	5.9	6	5.7	5.8	5.8	5.7	5.7	5.7	130
135	8.4	8.3	8.3	7.1	6.9	6.8	5.8	5.9	5.9	5.8	5.8	5.9	5.6	5.6	5.7	5.5	5.6	5.6	135
140	8.2	8.1	8.1	7	6.8	6.7	5.7	5.7	5.8	5.6	5.7	5.7	5.5	5.5	5.6	5.4	5.4	5.5	140
145	8	7.9	7.9	6.8	6.6	6.5	5.5	5.6	5.6	5.5	5.5	5.6	5.3	5.4	5.4	5.3	5.3	5.4	145
150	7.8	7.7	7.7	6.6	6.5	6.4	5.4	5.4	5.5	5.3	5.4	5.4	5.2	5.2	5.3	5.1	5.2	5.2	150
155	7.6	7.5	7.5	6.4	6.3	6.3	5.2	5.3	5.3	5.2	5.2	5.3	5.1	5.1	5.2	5	5	5.1	155
160	7.4	7.3	7.3	6.3	6.2	6.2	5.1	5.1	5.2	5.1	5.1	5.2	4.9	5	5	4.9	4.9	5	160
165	7.2	7.1	7.1	6.1	6	6	4.9	5	5	4.9	4.9	5	4.8	4.8	4.9	4.8	4.8	4.9	165
170	7	6.9	7	5.9	5.9	5.9	4.8	4.8	4.9	4.8	4.8	4.9	4.6	4.7	4.8	4.6	4.7	4.7	170
175	6.8	6.7	6.8	5.8	5.7	5.8	4.6	4.7	4.7	4.7	4.7	4.8	4.5	4.6	4.7	4.5	4.5	4.6	175
180	6.6	6.6	6.6	5.6	5.6	5.6	4.4	4.5	4.6	4.5	4.5	4.6	4.3	4.4	4.5	4.3	4.4	4.5	180
185	6.5	6.4	6.5	5.5	5.4	5.5	4.3	4.4	4.5	4.4	4.4	4.5	4.1	4.3	4.4	4.1	4.2	4.4	185
190	6.3	6.3	6.3	5.3	5.3	5.3	4.1	4.2	4.3	4.3	4.3	4.4	3.9	4.1	4.2	3.9	4.1	4.2	190
195	6.2	6.1	6.1	5.2	5.2	5.2	3.8	4	4.2	4.2	4.2	4.3	3.7	3.9	4	3.7	3.9	4	195
200	6	6	6	5.1	5	5.1	3.6	3.8	4	4	4.1	4.1	3.5	3.7	3.9	3.5	3.7	3.9	200
205	5.8	5.8	5.9	4.9	4.9	5	3.4	3.6	3.8	3.9	4	4	3.4	3.6	3.7	3.2	3.5	3.7	205
210	5.6	5.6	5.7	4.8	4.8	4.8	3.2	3.4	3.6	3.8	3.8	3.9	3.2	3.4	3.5	3	3.3	3.5	210
215	5.2	5.5	5.5	4.7	4.7	4.7	3	3.2	3.3	3.7	3.7	3.8	3	3.2	3.3	2.7	3	3.2	215
220	4.7	5.1	5.3	4.6	4.6	4.6	2.8	3	3.1	3.6	3.6	3.7	2.8	3	3.1	2.5	2.8	3	220
225	4.4	4.7	4.9	4.4	4.5	4.5	2.6	2.8	2.9	3.5	3.5	3.6	2.6	2.8	2.9	2.2	2.5	2.7	225
230	4.3	4.3	4.4	4	4.3	4.4	2.4	2.6	2.7	3.4	3.4	3.5	2.4	2.6	2.7		2.2	2.4	230
235	4.1	4.2	4.2	3.5	4	4.2		2.3	2.4	3.2	3.3	3.4		2.4	2.5				235
240	3.9	4	4.1	3.1	3.5	3.7			2.2	3	3.2	3.3			2.3				240
245	3.6	3.8	3.9	2.7	3	3.2				2.7	3	3.1							245
250	3.3	3.5	3.6	2.2	2.6	2.8				2.3	2.7	2.9							250
255	2.9	3.2	3.2			2.3					2.3	2.4							255
260	2.5	2.8	2.8																260
265		2.4	2.4																265

STERLING CRANE

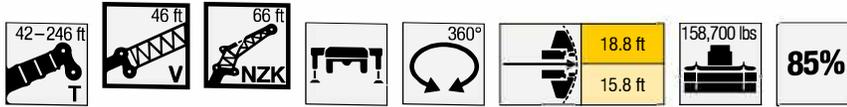


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	42 ft + 46 ft			134 ft + 46 ft			147 ft + 46 ft			160 ft + 46 ft			174 ft + 46 ft			187 ft + 46 ft			199 ft + 46 ft			Lift Height (ft)
	66 ft			66 ft			66 ft			66 ft			66 ft			66 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16	18																					16
17	18																					17
18	18																					18
19	18																					19
20	18																					20
22	18																					22
24	18.1																					24
26	18.1																					26
28	18																					28
30	17.9																					30
32	17.9			14.4																		32
34	17.7			14.4			13.7															34
36	17.6			14.4			13.7															36
38	17.4			14.3			13.7			13												38
40	17.2	13.8		14.3			13.7			12.9												40
45	16.6	13.1		14.1			13.6			12.9												45
50	15.9	12.5		14			13.4			12.7			11.9			10.6					9.3	50
55	15.2	11.9		13.8			13.2			12.5			11.5			10.3					9.1	55
60	14.3	11.3	9.1	13.4	11.3		12.9	11.1		12.2			11.2			10.1					9	60
65	13.4	10.8	8.9	13	11		12.6	10.8		11.9	10.5		11			10					8.9	65
70	12.5	10.4	8.7	12.6	10.6		12.2	10.5		11.6	10.3		10.8	9.9		9.8					8.8	70
75	11.6	10	8.5	12.2	10.4	8.5	11.9	10.2		11.3	10		10.5	9.7		9.6	9.3				8.7	75
80	10.6	9.6	8.3	11.8	10.1	8.4	11.5	10	8.4	11	9.8	8.3	10.3	9.6		9.5	9.2				8.6	80
85	9.8	9.2	8.2	11.4	9.9	8.3	11.2	9.8	8.2	10.7	9.7	8.2	10	9.4	8	9.3	9				8.4	85
90	9.2	8.8	8.1	11.1	9.7	8.2	10.8	9.6	8.1	10.4	9.5	8.1	9.8	9.2	7.9	9.1	8.8	7.8			8.3	90
95	8.6	8.4	7.9	10.7	9.5	8.1	10.5	9.4	8	10.1	9.3	8	9.6	9.1	7.9	9	8.6	7.7			8.2	95
100	8.1	7.9	7.8	10.3	9.3	8	10.2	9.2	8	9.9	9.2	7.9	9.4	8.9	7.8	8.8	8.4	7.6	8		7.8	100
105	7.6	7.5	7.4	9.9	9	7.9	9.9	9	7.9	9.6	9	7.8	9.2	8.7	7.7	8.6	8.3	7.6	7.9		7.6	105
110	7.2	7.1	7	9.6	8.8	7.8	9.6	8.8	7.8	9.4	8.8	7.7	9	8.5	7.6	8.5	8.1	7.5	7.8		7.5	110
115	6.8	6.7	6.7	9.3	8.5	7.8	9.3	8.5	7.7	9.1	8.5	7.7	8.8	8.3	7.6	8.3	7.9	7.4	7.6		7.3	115
120	6.4	6.3	6.4	9	8.2	7.7	9	8.3	7.6	8.9	8.2	7.6	8.5	8.1	7.5	8.1	7.7	7.3	7.5		7.2	120
125	6.1	6	6.1	8.7	8	7.5	8.8	8	7.5	8.7	8	7.5	8.3	7.9	7.4	7.9	7.5	7.2	7.3		7.1	125
130	5.8	5.8	5.8	8.4	7.7	7.3	8.5	7.8	7.4	8.4	7.8	7.3	8.1	7.6	7.2	7.8	7.4	7	7.2		6.9	130
135	5.5	5.5	5.6	8.1	7.5	7.1	8.2	7.5	7.2	8.2	7.5	7.1	7.9	7.4	7.1	7.6	7.2	6.9	7		6.8	135
140	5.2	5.2		7.8	7.2	6.9	8	7.3	7	7.9	7.3	7	7.7	7.2	6.9	7.4	7	6.7	6.9		6.6	140
145	5	5		7.5	7	6.8	7.7	7.1	6.8	7.7	7.1	6.8	7.5	7	6.7	7.2	6.9	6.6	6.8		6.5	145
150				7.3	6.8	6.6	7.4	6.9	6.6	7.5	6.9	6.6	7.3	6.9	6.6	7.1	6.7	6.4	6.6		6.4	150
155				7	6.6	6.4	7.2	6.7	6.5	7.3	6.7	6.5	7.2	6.7	6.4	6.9	6.6	6.3	6.5		6.3	155
160				6.8	6.4	6.2	7	6.5	6.3	7.1	6.6	6.3	7	6.5	6.3	6.7	6.4	6.2	6.4		6.1	160
165				6.6	6.2	6.1	6.8	6.4	6.2	6.8	6.4	6.2	6.8	6.4	6.2	6.6	6.3	6.1	6.3		6	165
170				6.4	6.1	5.9	6.6	6.2	6	6.7	6.2	6	6.6	6.2	6	6.5	6.1	5.9	6.1		5.9	170
175				6.2	5.9	5.8	6.3	6	5.9	6.5	6.1	5.9	6.5	6.1	5.9	6.3	6	5.8	6		5.8	175
180				6	5.7	5.7	6.2	5.9	5.8	6.3	5.9	5.8	6.3	5.9	5.8	6.2	5.8	5.7	5.9		5.7	180
185				5.8	5.6	5.6	6	5.7	5.7	6.1	5.8	5.7	6.1	5.8	5.7	6	5.7	5.6	5.8		5.6	185
190				5.7	5.5	5.4	5.8	5.6	5.5	5.9	5.7	5.6	6	5.7	5.6	5.9	5.6	5.5	5.7		5.5	190
195				5.5	5.3	5.4	5.7	5.4	5.4	5.8	5.5	5.5	5.8	5.5	5.5	5.8	5.5	5.4	5.5		5.3	195
200				5.4	5.2	5.3	5.5	5.3	5.3	5.6	5.4	5.4	5.7	5.4	5.4	5.6	5.4	5.3	5.4		5.3	200
205				5.2	5.1	5.2	5.4	5.2	5.3	5.5	5.3	5.3	5.6	5.3	5.3	5.5	5.3	5.2	5.3		5.2	205
210				5.1	5	5.1	5.3	5.1	5.2	5.4	5.2	5.2	5.4	5.2	5.2	5.4	5.2	5.2	5.2		5.1	210
215				5	4.9	5.1	5.1	5	5.1	5.2	5.1	5.1	5.3	5.1	5.1	5.3	5.1	5.1	5.2		5	215
220				4.9	4.8	5	5	4.9	5	5.1	5	5.1	5.2	5	5.1	5	5	5	5		4.9	220
225				4.7	4.7	5	4.9	4.8	5	5	4.9	5	5	4.9	5	4.8	4.9	5	4.6		4.8	225
230				4.6	4.7		4.8	4.7	5	4.9	4.8	4.9	4.9	4.8	4.9	4.6	4.7	4.9	4.1		4.7	230
235				4.6			4.7	4.7	5	4.8	4.7	4.9	4.7	4.7	4.9	4.5	4.6	4.8	3.9		4.4	235
240							4.6	4.6		4.6	4.6	4.9	4.4	4.6	4.8	4.2	4.4	4.6	3.8		4	240
245							4.3			4.3	4.6	4.7	4	4.5	4.6	3.8	4.3	4.4	3.6		3.8	245
250							2.4			3.9	4.2		3.6	4	4.1	3.4	4	4.2	3.4		3.6	250
255										3.5	3.8		3.2	3.6	3.6	3.1	3.6	3.7	3.1		3.4	255
260													2.8	3.2	3.1	2.7	3.2	3.2	2.7		3.2	260
265													2.5	2.7		2.6	2.7	2.8	2.4		2.9	265
270													2.4	2.5		2.6	2.6	2.7			2.5	270
275													2.3			2.5	2.6					275
280																2.4	2.5					280
285																2.2						285

STERLING CRANE

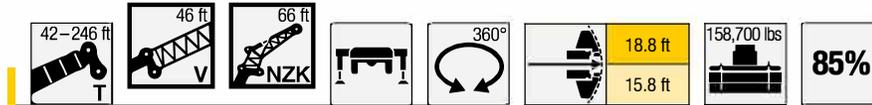


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	213 ft + 46 ft			226 ft + 46 ft			230 ft + 46 ft			237 ft + 46 ft			243 ft + 46 ft			Lift Height (ft)
	66 ft			66 ft			66 ft			66 ft			66 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
55	7.6															55
60	7.6			5.8			4.7			4.4						60
65	7.6			5.8			4.7			4.4			3.8			65
70	7.6			5.8			4.7			4.4			3.8			70
75	7.6			5.8			4.7			4.4			3.8			75
80	7.5			5.8			4.7			4.4			3.8			80
85	7.4	7.3		5.8			4.7			4.4			3.8			85
90	7.3	7.2		5.8	6.1		4.7	5.3		4.4	5.1		3.8			90
95	7.2	7.1		5.8	6		4.7	5.3		4.4	5.1		3.8	4.7		95
100	7.1	7	6.8	5.8	6		4.7	5.2		4.4	5.1		3.8	4.7		100
105	7	6.9	6.8	5.8	5.9	5.7	4.7	5.1		4.4	5.1		3.8	4.7		105
110	6.9	6.8	6.7	5.8	5.7	5.6	4.7	5.1	5	4.4	5	4.9	3.8	4.7		110
115	6.9	6.7	6.6	5.8	5.6	5.5	4.7	5	5	4.4	4.9	4.9	3.8	4.7	4.6	115
120	6.8	6.6	6.5	5.7	5.5	5.3	4.7	4.9	4.9	4.4	4.8	4.8	3.8	4.6	4.6	120
125	6.6	6.4	6.4	5.6	5.4	5.2	4.7	4.8	4.8	4.4	4.7	4.8	3.8	4.5	4.6	125
130	6.5	6.3	6.2	5.5	5.2	5.1	4.6	4.7	4.7	4.4	4.6	4.7	3.8	4.4	4.5	130
135	6.4	6.2	6.2	5.4	5.1	5	4.6	4.6	4.6	4.4	4.5	4.6	3.8	4.3	4.5	135
140	6.3	6.1	6	5.3	5	4.9	4.5	4.5	4.5	4.3	4.4	4.5	3.8	4.3	4.4	140
145	6.2	6	6	5.2	4.9	4.8	4.4	4.4	4.4	4.3	4.3	4.4	3.8	4.2	4.3	145
150	6.1	5.9	5.9	5.1	4.8	4.7	4.2	4.3	4.3	4.2	4.2	4.3	3.8	4.1	4.2	150
155	6	5.8	5.8	4.9	4.7	4.6	4.1	4.2	4.2	4.1	4.1	4.2	3.8	4	4.1	155
160	5.9	5.7	5.7	4.8	4.6	4.5	4	4.1	4.1	4	4	4.1	3.8	3.9	4	160
165	5.8	5.6	5.6	4.7	4.5	4.4	3.9	4	4	3.9	3.9	4	3.8	3.8	3.9	165
170	5.6	5.5	5.5	4.6	4.4	4.3	3.8	3.9	3.9	3.8	3.8	3.9	3.7	3.7	3.8	170
175	5.5	5.4	5.4	4.5	4.3	4.3	3.7	3.8	3.8	3.7	3.8	3.8	3.5	3.6	3.7	175
180	5.4	5.3	5.3	4.4	4.2	4.2	3.6	3.7	3.7	3.6	3.6	3.7	3.4	3.6	3.6	180
185	5.3	5.2	5.2	4.3	4.1	4.1	3.4	3.5	3.6	3.4	3.5	3.6	3.3	3.4	3.5	185
190	5.1	5.1	5.1	4.2	4	4	3.3	3.4	3.5	3.3	3.4	3.5	3.2	3.3	3.5	190
195	5	5	5	4.1	4	4	3.1	3.3	3.4	3.2	3.3	3.4	3	3.2	3.4	195
200	4.9	4.9	4.9	4	3.9	3.9	2.9	3.2	3.3	3.1	3.2	3.3	2.8	3.1	3.3	200
205	4.8	4.7	4.8	3.9	3.8	3.8	2.8	3	3.2	3	3.1	3.2	2.7	3	3.2	205
210	4.6	4.6	4.7	3.8	3.8	3.8	2.6	2.9	3.1	2.9	3	3.1	2.5	2.8	3.1	210
215	4.5	4.5	4.6	3.7	3.7	3.7	2.4	2.7	2.9	2.8	2.9	3	2.3	2.7	2.9	215
220	4.4	4.4	4.5	3.6	3.6	3.7	2.2	2.6	2.8	2.7	2.8	2.9		2.5	2.8	220
225	4.3	4.3	4.4	3.5	3.5	3.6		2.4	2.6	2.6	2.7	2.8		2.3	2.6	225
230	4.1	4.2	4.3	3.4	3.4	3.5			2.5	2.4	2.6	2.7			2.4	230
235	3.7	4.1	4.2	3.3	3.3	3.4			2.2	2.4	2.5	2.6			2.2	235
240	3.3	4	4.1	3.2	3.3	3.3				2.3	2.4	2.5				240
245	3.1	3.6	4	2.9	3.2	3.3					2.3	2.4				245
250	3	3.2	3.6	2.6	3.1	3.2						2.3				250
255	2.8	2.9	3.1	2.3	2.9	3.1						2.2				255
260	2.7	2.8	2.9		2.6	2.9										260
265	2.5	2.7	2.8			2.5										265
270		2.5	2.6													270
275		2.3	2.4													275

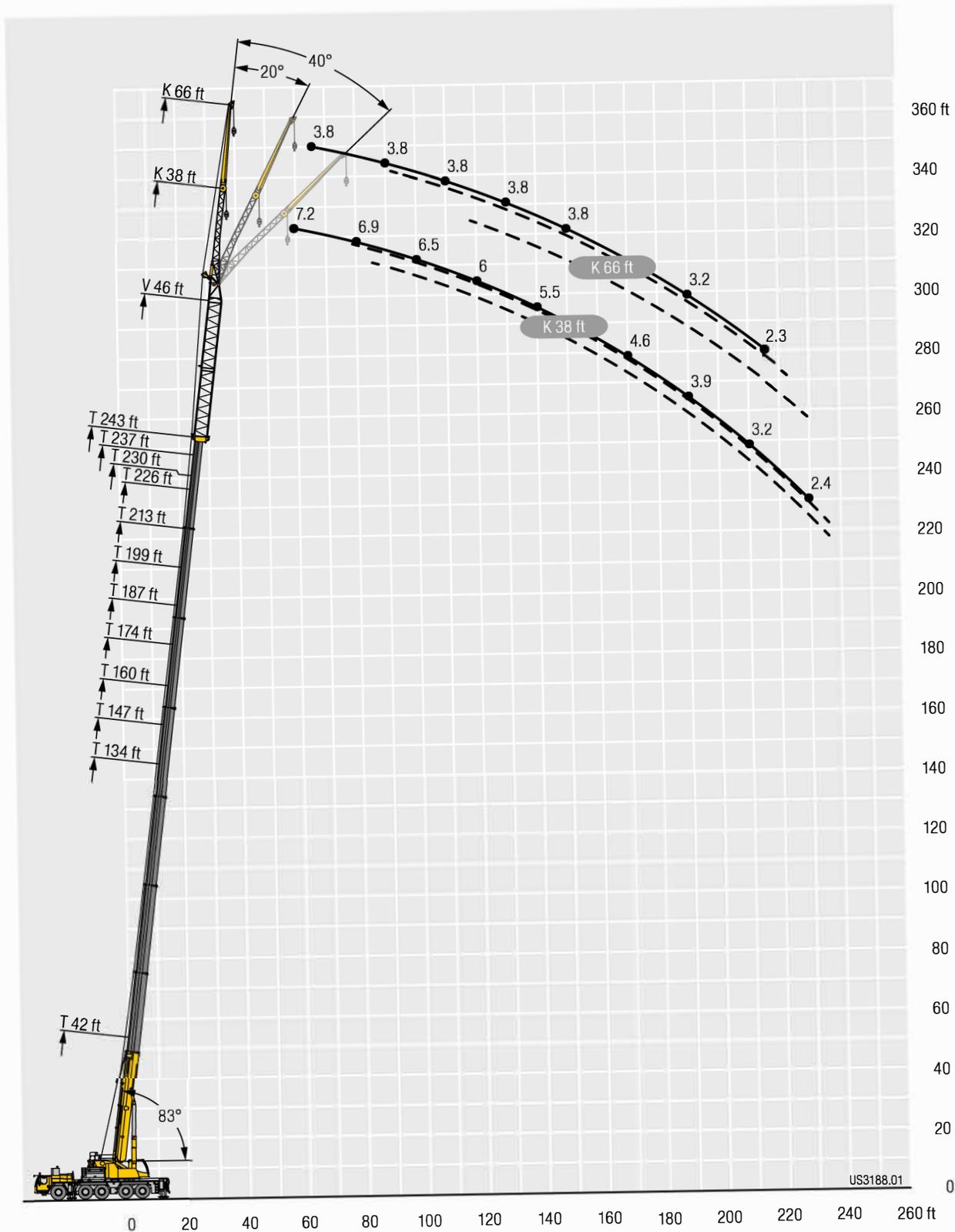


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TVNZK



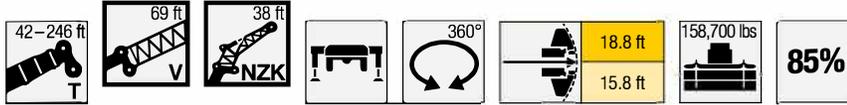


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Jib height (ft)	42 ft + 69 ft			134 ft + 69 ft			147 ft + 69 ft			160 ft + 69 ft			174 ft + 69 ft			187 ft + 69 ft			199 ft + 69 ft			Jib height (ft)	
	38 ft			38 ft			38 ft			38 ft			38 ft			38 ft			38 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
17	34.8																					17	
18	34.3																					18	
19	33.8																					19	
20	33.3																					20	
22	32.3																					22	
24	31.2																					24	
26	30.2																					26	
28	29.2																					28	
30	28.2	26.6																				30	
32	27.1	25.7		19.5																		32	
34	26.1	24.7		19.2			17.9															34	
36	25.1	23.8		18.9			17.7															36	
38	24.1	22.9		18.6			17.5															38	
40	23.1	22	19.7	18.4			17.3			16.1												40	
45	20.8	19.7	18.7	17.7	16.7		16.7			15.4			13.8			12						45	
50	18.6	17.6	16.9	16.2	15.4		16.1	15.3		14.9			13.5			11.8				9.9		50	
55	16.6	15.9	15.3	15.2	14.4		15.5	14.7		14.4	13.8		13.1	12.6		11.5				9.8		55	
60	14.9	14.3	13.9	14.2	13.4	13.9	14.9	14.1	13.5	13.9	13.3		12.7	12.2		11.2	10.8			9.6		60	
65	13.5	12.9	12.6	14.9	14	13.4	14.3	13.6	12.9	13.4	12.8	12.3	12.3	11.8	11.3	10.9	10.6			9.4	9.3	65	
70	12	11.7	11.5	14.2	13.4	12.8	13.7	13	12.4	12.9	12.3	11.8	11.9	11.4	11	10.6	10.3	10		9.3	9.1	70	
75	11	10.7	10.5	13.6	12.8	12.3	13.1	12.4	11.9	12.4	11.9	11.4	11.5	11	10.7	10.3	10	9.8		9.1	8.9	8.8	75
80	10	9.8	9.8	13	12.2	11.7	12.6	11.9	11.4	12	11.4	10.9	11.1	10.6	10.3	10	9.7	9.5		8.9	8.7	8.6	80
85	9.2	9.1	9	12.4	11.7	11.1	12.1	11.4	11	11.5	11	10.6	10.7	10.3	10	9.7	9.5	9.3		8.7	8.5	8.5	85
90	8.6	8.5	8.5	11.8	11.1	10.5	11.6	11	10.5	11.1	10.6	10.2	10.3	10	9.7	9.5	9.2	9.1		8.5	8.4	8.3	90
95	8	7.9	7.9	11.3	10.6	10.1	11.1	10.5	10	10.7	10.2	9.8	10	9.7	9.4	9.3	9	8.9		8.4	8.2	8.1	95
100	7.5	7.4	7.5	10.8	10.1	9.7	10.7	10.1	9.6	10.3	9.8	9.5	9.8	9.4	9.2	9.1	8.8	8.7		8.2	8	7.9	100
105	7	7	7	10.3	9.6	9.3	10.3	9.7	9.3	9.9	9.5	9.2	9.5	9.1	8.9	8.8	8.6	8.4		8	7.8	7.8	105
110	6.6	6.5	6.6	9.9	9.2	8.9	9.9	9.3	8.9	9.6	9.2	8.9	9.2	8.9	8.6	8.6	8.4	8.2		7.8	7.7	7.6	110
115	6.2	6.2	6.2	9.4	8.9	8.6	9.5	8.9	8.6	9.3	8.9	8.6	8.9	8.6	8.4	8.4	8.1	8		7.7	7.5	7.4	115
120	5.8	5.8	5.9	9	8.5	8.3	9.1	8.6	8.3	9	8.6	8.3	8.7	8.3	8.1	8.2	7.9	7.8		7.5	7.3	7.2	120
125	5.5	5.5	5.6	8.6	8.2	8	8.8	8.3	8.1	8.7	8.3	8	8.4	8.1	7.9	8	7.7	7.6		7.3	7.1	7.1	125
130	5.2	5.2	5.3	8.3	7.9	7.7	8.4	8	7.8	8.4	8	7.7	8.2	7.8	7.6	7.7	7.5	7.4		7.2	7	6.9	130
135	4.9	5	5	8	7.6	7.4	8.1	7.7	7.5	8.1	7.7	7.5	7.9	7.6	7.4	7.5	7.3	7.2		7	6.8	6.8	135
140	4.7	4.7		7.6	7.3	7.2	7.8	7.4	7.3	7.8	7.5	7.3	7.7	7.4	7.2	7.3	7.1	7		6.8	6.7	6.6	140
145				7.4	7.1	7	7.5	7.2	7	7.6	7.2	7.1	7.5	7.1	7	7.1	6.9	6.8		6.7	6.5	6.5	145
150				7.1	6.8	6.7	7.2	7	6.8	7.3	7	6.9	7.2	6.9	6.8	7	6.7	6.6		6.5	6.4	6.3	150
155				6.8	6.6	6.5	7	6.7	6.6	7.1	6.8	6.7	7	6.7	6.6	6.8	6.6	6.5		6.3	6.2	6.2	155
160				6.6	6.4	6.3	6.8	6.5	6.4	6.8	6.6	6.5	6.8	6.5	6.4	6.6	6.4	6.3		6.2	6.1	6	160
165				6.4	6.2	6.1	6.5	6.3	6.2	6.6	6.4	6.3	6.6	6.4	6.3	6.4	6.2	6.1		6.1	5.9	5.9	165
170				6.1	6	5.9	6.3	6.1	6	6.4	6.2	6.1	6.4	6.2	6.1	6.3	6.1	6		5.9	5.8	5.8	170
175				5.9	5.8	5.7	6.1	5.9	5.9	6.2	6	5.9	6.2	6	5.9	6.1	5.9	5.8		5.8	5.7	5.6	175
180				5.7	5.6	5.6	5.9	5.8	5.7	6	5.9	5.8	6	5.8	5.8	5.9	5.8	5.7		5.7	5.5	5.5	180
185				5.6	5.4	5.4	5.7	5.6	5.6	5.9	5.7	5.7	5.9	5.7	5.7	5.8	5.6	5.6		5.5	5.4	5.4	185
190				5.4	5.3	5.3	5.6	5.4	5.4	5.7	5.5	5.5	5.7	5.5	5.5	5.6	5.5	5.4		5.4	5.3	5.3	190
195				5.2	5.1	5.2	5.4	5.3	5.3	5.5	5.4	5.4	5.5	5.4	5.4	5.5	5.3	5.3		5.3	5.2	5.2	195
200				5	5	5	5.2	5.1	5.1	5.3	5.2	5.2	5.4	5.3	5.2	5.4	5.2	5.2		5.2	5.1	5.1	200
205				4.9	4.8	4.9	5.1	5	5	5.2	5.1	5.1	5.3	5.1	5.1	5.2	5.1	5.1		5.1	5	5	205
210				4.8	4.7	4.8	4.9	4.9	4.9	5.1	5	5	5.1	5	5	5.1	5	5		5	4.9	4.9	210
215				4.7	4.6	4.7	4.8	4.7	4.8	4.9	4.9	4.9	5	4.9	4.9	4.9	4.9	4.9		4.9	4.7	4.8	215
220				4.5	4.5	4.6	4.7	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.7	4.8		4.4	4.7	4.7	220
225				4.4	4.4		4.6	4.5	4.6	4.7	4.6	4.7	4.7	4.6	4.7	4.4	4.5	4.6		3.9	4.4	4.6	225
230				4.4			4.5	4.4	4.6	4.6	4.5	4.6	4.5	4.5	4.6	4.2	4.3	4.4		3.7	3.9	4.2	230
235							4.4	4.4		4.4	4.4	4.5	4.1	4.4	4.5	4	4.2	4.2		3.5	3.6	3.7	235
240							4.1			4	4.2	4.2	3.7	4	4.1	3.6	3.9	4		3.3	3.4	3.5	240
245										3.6	3.8		3.3	3.5	3.6	3.2	3.5	3.6		3.1	3.2	3.3	245
250										3.2	3.4		2.9	3.1	3.1	2.8	3.1	3.1		2.8	3	3.1	250
255													2.5	2.7	2.7	2.4	2.7	2.7		2.4	2.8	2.8	255
260													2.2	2.3		2.3	2.4	2.4			2.3	2.4	260
265																2.3	2.3	2.3					265
270																	2.2						270

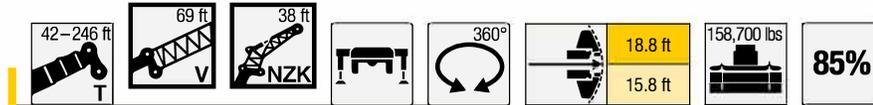


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	213 ft + 69 ft			226 ft + 69 ft			230 ft + 69 ft			237 ft + 69 ft			243 ft + 69 ft			Lift Height (ft)
	38 ft			38 ft			38 ft			38 ft			38 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
55	8.3															55
60	8.2			6.8			5.5									60
65	8.1			6.7			5.5			5.1			4.5			65
70	7.9	7.9		6.7			5.5			5.1			4.5			70
75	7.8	7.8		6.6	6.6		5.5			5.1			4.5			75
80	7.7	7.6	7.6	6.5	6.5		5.5	5.5		5.1	5.4		4.5	5		80
85	7.6	7.5	7.5	6.4	6.4	6.3	5.4	5.4		5.1	5.3		4.5	5		85
90	7.5	7.4	7.4	6.3	6.2	6.2	5.3	5.3	5.3	5.1	5.2	5.2	4.5	4.9		90
95	7.3	7.2	7.2	6.2	6.1	6	5.2	5.2	5.3	5.1	5.1	5.2	4.5	4.9	4.9	95
100	7.2	7.1	7.1	6.1	6	5.9	5.1	5.1	5.2	5	5	5.1	4.5	4.8	4.8	100
105	7.1	7	7	5.9	5.8	5.7	5	5	5.1	4.9	4.9	5	4.5	4.7	4.7	105
110	7	6.9	6.8	5.8	5.7	5.6	4.9	4.9	5	4.8	4.8	4.9	4.5	4.6	4.6	110
115	6.8	6.7	6.7	5.7	5.5	5.5	4.8	4.8	4.9	4.7	4.7	4.8	4.5	4.5	4.6	115
120	6.7	6.6	6.5	5.5	5.4	5.3	4.7	4.7	4.7	4.6	4.6	4.7	4.4	4.4	4.5	120
125	6.6	6.4	6.4	5.4	5.3	5.2	4.5	4.6	4.6	4.5	4.5	4.6	4.3	4.3	4.4	125
130	6.4	6.3	6.3	5.3	5.1	5.1	4.4	4.5	4.5	4.4	4.4	4.5	4.2	4.2	4.3	130
135	6.3	6.2	6.2	5.1	5	5	4.3	4.4	4.4	4.3	4.3	4.4	4.1	4.1	4.2	135
140	6.2	6.1	6	5	4.9	4.8	4.2	4.2	4.3	4.1	4.2	4.3	4	4	4.1	140
145	6.1	5.9	5.9	4.9	4.8	4.7	4.1	4.1	4.2	4	4.1	4.1	3.9	3.9	4	145
150	5.9	5.8	5.8	4.8	4.7	4.6	4	4	4.1	3.9	4	4	3.8	3.8	3.9	150
155	5.8	5.7	5.7	4.6	4.5	4.5	3.9	3.9	4	3.8	3.8	3.9	3.6	3.7	3.8	155
160	5.7	5.6	5.6	4.5	4.4	4.4	3.7	3.8	3.9	3.7	3.7	3.8	3.5	3.6	3.7	160
165	5.6	5.5	5.5	4.4	4.3	4.3	3.6	3.7	3.7	3.5	3.6	3.7	3.4	3.5	3.6	165
170	5.4	5.3	5.4	4.3	4.2	4.2	3.5	3.5	3.6	3.4	3.5	3.6	3.3	3.4	3.5	170
175	5.2	5.2	5.3	4.2	4.1	4.1	3.3	3.4	3.5	3.3	3.4	3.5	3.2	3.3	3.3	175
180	5.1	5.1	5.1	4.1	4	4	3.1	3.3	3.4	3.2	3.2	3.3	3	3.1	3.2	180
185	5	4.9	5	4	3.9	3.9	3	3.1	3.2	3	3.1	3.2	2.9	3	3.1	185
190	4.8	4.8	4.9	3.9	3.8	3.8	2.8	3	3.1	2.9	3	3.1	2.7	2.9	3	190
195	4.7	4.7	4.7	3.8	3.7	3.8	2.6	2.8	2.9	2.8	2.9	3	2.5	2.7	2.9	195
200	4.6	4.5	4.6	3.7	3.6	3.7	2.4	2.6	2.8	2.7	2.8	2.9	2.4	2.6	2.7	200
205	4.4	4.4	4.5	3.6	3.6	3.6	2.3	2.5	2.6	2.6	2.6	2.7		2.4	2.6	205
210	4.3	4.3	4.4	3.5	3.5	3.5		2.3	2.4	2.4	2.5	2.6		2.2	2.4	210
215	4.2	4.2	4.2	3.4	3.4	3.4			2.3	2.3	2.4	2.5				215
220	4	4.1	4.1	3.3	3.3	3.3				2.2	2.3	2.4				220
225	3.9	3.9	4	3.2	3.2	3.2						2.3				225
230	3.5	3.8	3.9	3	3.1	3.1										230
235	3.1	3.5	3.7	2.9	3	3										235
240	2.8	3.1	3.3	2.7	2.9	2.9										240
245	2.6	2.8	2.9	2.3	2.7	2.8										245
250	2.5	2.6	2.6		2.4	2.5										250
255	2.3	2.4	2.5													255
260		2.3	2.3													260

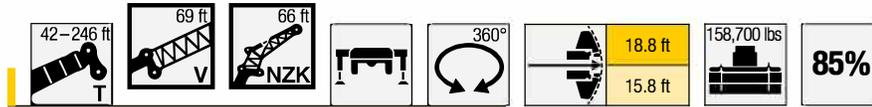


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Jib Height (ft)	42 ft + 69 ft			134 ft + 69 ft			147 ft + 69 ft			160 ft + 69 ft			174 ft + 69 ft			Jib Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
20	16.1															20
22	16.1															22
24	16.1															24
26	16.1															26
28	16.1															28
30	16.1															30
32	16.1															32
34	16															34
36	15.9			11.9												36
38	15.7			11.8												38
40	15.4			11.7			11									40
45	14.7	13		11.4			10.8			10						45
50	13.9	12.4		11.1			10.5			9.9			9.1			50
55	13.1	11.9		10.8			10.2			9.7			8.9			55
60	12.2	11.4	8.6	10.4			10			9.4			8.8			60
65	11.4	10.9	8.3	10.1	9.8		9.7	9.4		9.2			8.6			65
70	10.6	10.2	8.1	9.8	9.5		9.5	9.2		9	8.8		8.4			70
75	9.8	9.5	7.9	9.5	9.2		9.2	8.9		8.8	8.5		8.2	8		75
80	9.1	8.9	7.7	9.2	8.9	7.8	9	8.7		8.6	8.3		8	7.8		80
85	8.4	8.3	7.5	9	8.6	7.7	8.7	8.4	7.7	8.4	8.1		7.8	7.6		85
90	7.8	7.7	7.3	8.7	8.3	7.5	8.5	8.1	7.5	8.1	7.9	7.5	7.7	7.4	7.2	90
95	7.3	7.3	7.1	8.4	8.1	7.4	8.2	7.9	7.4	7.9	7.6	7.3	7.5	7.3	7	95
100	6.8	6.8	6.8	8.1	7.8	7.3	8	7.6	7.3	7.7	7.4	7.1	7.3	7.1	6.8	100
105	6.4	6.4	6.4	7.8	7.5	7.1	7.7	7.4	7	7.5	7.2	6.9	7.1	6.9	6.6	105
110	6	6	6	7.6	7.2	6.8	7.5	7.1	6.8	7.3	7	6.7	6.9	6.7	6.4	110
115	5.6	5.6	5.7	7.3	6.9	6.6	7.2	6.9	6.6	7	6.7	6.5	6.7	6.5	6.3	115
120	5.3	5.3	5.4	7	6.6	6.4	7	6.6	6.4	6.8	6.5	6.3	6.5	6.3	6.1	120
125	5	5	5.1	6.8	6.4	6.1	6.7	6.4	6.1	6.6	6.3	6.1	6.3	6.1	5.9	125
130	4.7	4.7	4.8	6.5	6.1	5.9	6.5	6.2	5.9	6.4	6.1	5.9	6.2	5.9	5.8	130
135	4.4	4.4	4.5	6.3	5.9	5.7	6.3	5.9	5.7	6.2	5.9	5.7	6	5.8	5.6	135
140	4.1	4.2	4.3	6	5.7	5.5	6.1	5.7	5.6	6	5.7	5.5	5.8	5.6	5.4	140
145	3.9	4	4	5.8	5.5	5.3	5.9	5.5	5.4	5.8	5.5	5.3	5.6	5.4	5.3	145
150	3.7	3.8	3.8	5.6	5.3	5.2	5.7	5.4	5.2	5.6	5.3	5.2	5.5	5.3	5.1	150
155	3.5	3.5	3.6	5.3	5.1	5	5.5	5.2	5	5.4	5.2	5	5.3	5.1	5	155
160	3.3	3.3	3.4	5.1	4.9	4.8	5.3	5	4.9	5.2	5	4.9	5.1	4.9	4.8	160
165	3.1	3.2		5	4.7	4.7	5.1	4.8	4.7	5.1	4.8	4.7	5	4.8	4.7	165
170	3			4.8	4.6	4.5	4.9	4.7	4.6	4.9	4.7	4.6	4.8	4.7	4.6	170
175				4.6	4.4	4.4	4.7	4.5	4.5	4.8	4.5	4.5	4.7	4.5	4.4	175
180				4.4	4.3	4.2	4.6	4.4	4.3	4.6	4.4	4.3	4.6	4.4	4.3	180
185				4.3	4.1	4.1	4.4	4.2	4.2	4.5	4.3	4.2	4.4	4.3	4.2	185
190				4.1	4	4	4.2	4.1	4.1	4.3	4.2	4.1	4.3	4.1	4.1	190
195				4	3.9	3.9	4.1	4	3.9	4.2	4	4	4.2	4	4	195
200				3.8	3.7	3.8	4	3.8	3.8	4	3.9	3.9	4.1	3.9	3.9	200
205				3.7	3.6	3.6	3.8	3.7	3.7	3.9	3.8	3.8	3.9	3.8	3.8	205
210				3.6	3.5	3.5	3.7	3.6	3.6	3.8	3.7	3.7	3.8	3.7	3.7	210
215				3.5	3.4	3.4	3.6	3.5	3.5	3.7	3.6	3.6	3.7	3.6	3.6	215
220				3.3	3.3	3.3	3.5	3.4	3.4	3.6	3.5	3.5	3.6	3.5	3.5	220
225				3.2	3.2	3.2	3.4	3.3	3.4	3.5	3.4	3.4	3.5	3.4	3.4	225
230				3.1	3.1	3.2	3.3	3.2	3.3	3.4	3.3	3.3	3.4	3.3	3.3	230
235				3	3	3.1	3.2	3.1	3.2	3.3	3.2	3.2	3.3	3.2	3.3	235
240				2.9	2.9	3.1	3.1	3	3.1	3.2	3.1	3.2	3.2	3.1	3.2	240
245				2.9	2.9	3	3	3	3.1	3.1	3	3.1	3.1	3.1	3.1	245
250				2.8	2.8		2.9	2.9	3	3	3	3.1	3	3	3.1	250
255				2.8			2.8	2.8	3	2.9	2.9	3	2.9	2.9	3	255
260				2.4			2.8	2.8		2.8	2.8	2.9	2.6	2.8	2.9	260
265							2.7	2.7		2.6	2.8	2.9	2.3	2.7	2.8	265
270										2.3	2.6	2.5		2.4	2.4	270
275											2.2					275

STERLING CRANE

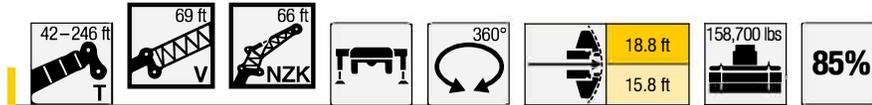


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TVNZK



Lift Height (ft)	187 ft + 69 ft			199 ft + 69 ft			213 ft + 69 ft			226 ft + 69 ft			Lift Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	8.2												50
55	8.1			7									55
60	8			7			5.3						60
65	7.8			6.9			5.3			3.7			65
70	7.7			6.8			5.3			3.7			70
75	7.5			6.7			5.3			3.7			75
80	7.4	7.2		6.6			5.3			3.7			80
85	7.2	7.1		6.4	6.4		5.3			3.7			85
90	7.1	6.9		6.3	6.2		5.3	5.4		3.7			90
95	6.9	6.7	6.5	6.2	6.1		5.3	5.4		3.7	4.6		95
100	6.8	6.6	6.4	6.1	6	5.9	5.3	5.3		3.7	4.5		100
105	6.6	6.4	6.2	6	5.8	5.7	5.2	5.2		3.7	4.4		105
110	6.4	6.2	6.1	5.8	5.7	5.6	5.1	5.1	5	3.7	4.3		110
115	6.3	6.1	5.9	5.7	5.6	5.5	5	5	4.9	3.7	4.2	4.1	115
120	6.1	5.9	5.8	5.6	5.4	5.4	4.9	4.9	4.8	3.7	4.1	4	120
125	6	5.8	5.6	5.4	5.3	5.2	4.8	4.8	4.7	3.7	4	3.9	125
130	5.8	5.6	5.5	5.3	5.2	5.1	4.7	4.6	4.6	3.7	3.8	3.8	130
135	5.6	5.5	5.4	5.2	5.1	5	4.6	4.5	4.5	3.7	3.7	3.7	135
140	5.5	5.3	5.2	5.1	4.9	4.9	4.5	4.5	4.4	3.7	3.6	3.6	140
145	5.3	5.2	5.1	4.9	4.8	4.8	4.4	4.4	4.3	3.6	3.5	3.5	145
150	5.2	5	5	4.8	4.7	4.7	4.3	4.3	4.2	3.5	3.4	3.4	150
155	5	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.2	3.4	3.3	3.3	155
160	4.9	4.8	4.7	4.6	4.5	4.4	4.2	4.1	4.1	3.3	3.2	3.3	160
165	4.8	4.6	4.6	4.5	4.3	4.3	4.1	4	4	3.2	3.1	3.2	165
170	4.6	4.5	4.4	4.4	4.2	4.2	4	3.9	3.9	3.1	3.1	3.1	170
175	4.5	4.4	4.3	4.2	4.2	4.1	3.9	3.8	3.8	3	3	3	175
180	4.4	4.3	4.2	4.1	4.1	4.1	3.8	3.7	3.8	2.9	2.9	2.9	180
185	4.3	4.2	4.1	4	4	4	3.7	3.6	3.7	2.9	2.8	2.8	185
190	4.2	4	4	3.9	3.9	3.9	3.6	3.6	3.6	2.8	2.7	2.8	190
195	4.1	3.9	3.9	3.8	3.8	3.8	3.6	3.5	3.5	2.7	2.6	2.7	195
200	3.9	3.8	3.8	3.7	3.7	3.7	3.5	3.4	3.5	2.6	2.6	2.6	200
205	3.8	3.7	3.7	3.7	3.6	3.6	3.4	3.4	3.4	2.5	2.5	2.6	205
210	3.7	3.6	3.6	3.6	3.5	3.5	3.3	3.3	3.3	2.4	2.4	2.5	210
215	3.6	3.5	3.5	3.5	3.4	3.5	3.2	3.2	3.3	2.3	2.3	2.4	215
220	3.6	3.5	3.5	3.4	3.4	3.4	3.1	3.2	3.2	2.2	2.3	2.4	220
225	3.5	3.4	3.4	3.3	3.3	3.3	3	3.1	3.2		2.2	2.3	225
230	3.4	3.3	3.3	3.3	3.2	3.2	2.9	3	3.1			2.2	230
235	3.3	3.2	3.3	3.2	3.1	3.2	2.8	2.9	3				235
240	3.1	3.1	3.2	2.9	3.1	3.1	2.6	2.8	2.9				240
245	3	3.1	3.1	2.6	3	3	2.4	2.7	2.8				245
250	2.9	2.9	3	2.4	2.8	3		2.6	2.7				250
255	2.8	2.9	2.9	2.3	2.6	2.9		2.4	2.6				255
260	2.5	2.8	2.9		2.3	2.5			2.4				260
265		2.6	2.7			2.3							265
270		2.3	2.4										270

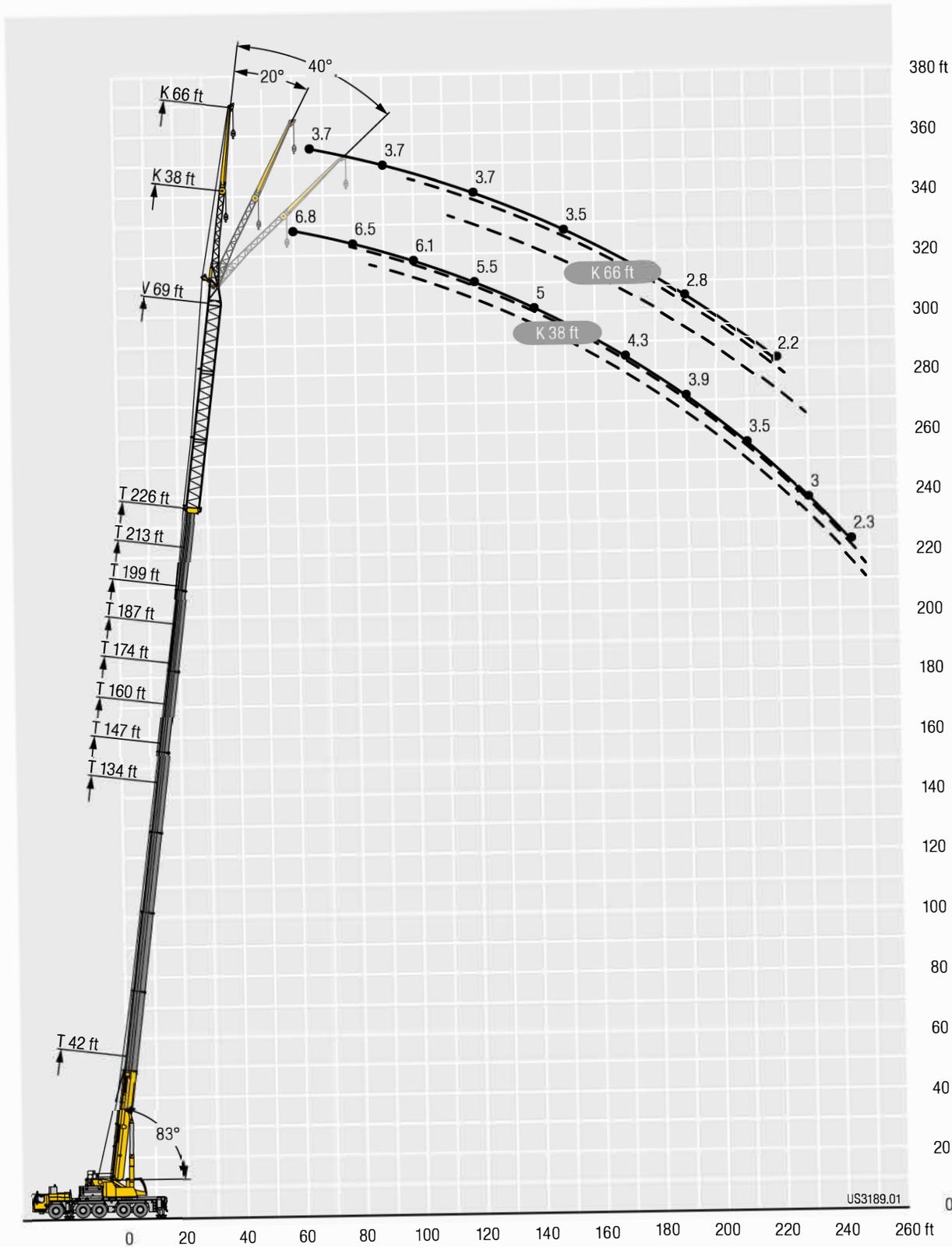


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TVNZK



STERLING CRANE



LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage



TS

42-246 ft | 13 ft | 360° | 18.8 ft / 15.8 ft | 158,700 lbs | 85%

Assembly jib
Flechette de montage

	42 ft	55 ft	68 ft	81 ft	94 ft	108 ft	121 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	228 ft	237 ft	243 ft	246 ft									
	13 ft																											
10	90.8	90.8																		10								
11	90.8	90.8	90.8																		11							
12	90.8	90.8	90.8																		12							
13	90.8	90.8	90.8	90.8																	13							
14	90.8	90.8	90.8	90.8	90.8																14							
15	90.8	90.8	90.8	90.8	90.8																15							
16	90.8	90.8	90.8	90.8	90.8	90.8															16							
17	90.8	90.8	90.8	90.8	90.8	90.8	90.8														17							
18	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8													18							
19	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8												19							
20	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8											20							
22	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8										22							
24	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	73												24							
26	89	90.8	90.8	90.8	90.8	90.8	90.8	90.8	69.7												26							
28	87.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8												28							
30	84.8	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	63.8											30							
32	81.9	89.3	90.8	90.8	90.8	90.8	90.8	90.8	90.5	77.4	49.6										32							
34	78.5	88.1	90.8	90.8	90.8	90.8	90.8	90.8	89.1	75.9	58.6										34							
36	75.1	86.4	90.4	90.8	90.8	90.8	90.8	90.5	86.4	74.1	57.4	51.5									36							
38	72.1	84.3	89.5	90.8	90.8	90.8	90.8	89.2	83.7	72.3	56	52.1	36.3								38							
40	69.5	82	88.6	90.7	90.8	90.8	90.8	87.1	81.1	70.5	54.7	51.2	42.9								40							
45	63.7	75.2	84.8	89.2	90.8	90.8	90.8	82.5	75.2	66	51.7	48.8	42.2	34.8							45							
50	60.3	69.6	79.8	86.7	89.6	90.3	88.7	78.2	69.9	61.7	49.3	46.7	40.8	34.1	28.7	27.5	20.3	19.1	18.7		50							
55		65	74.3	82.8	86.5	85.3	81.4	74	65.2	57.8	47.1	44.9	39	33	28	26.9	19.9	18.8	18.4		55							
60		61.3	69.6	77.5	78.4	77.2	74.4	70.3	60.9	54.3	45.2	42.8	37.3	31.9	27.2	26.1	19.4	18.4	18.1		60							
65			65.7	71.4	70.7	69.6	67.5	66.5	56.8	51	43.2	40.7	35.7	30.8	26.4	25.4	19	18	17.7		65							
70			62.5	64.9	64.1	63	61.5	61.5	53.1	47.9	41.3	38.9	34.1	29.7	25.6	24.6	18.5	17.6	17.3		70							
75			51.2	59.2	58.5	57.3	58.3	56.3	49.7	45.2	39.4	37.1	32.7	28.6	24.7	23.7	17.9	17.2	16.9		75							
80				54.1	53.2	53.3	53.1	51.4	46.4	42.6	37.8	35.4	31.3	27.5	23.9	22.9	17.4	16.8	16.5		80							
85				48.1	48.5	49.7	48.4	46.8	43.3	40.2	36.2	33.7	29.9	26.5	23	22.2	17	16.3	16.1		85							
90					45.8	45.6	44.3	42.7	40.5	37.8	34.8	32.1	28.6	25.5	22.2	21.4	16.5	15.9	15.7		90							
95					43	42	40.7	39.1	37.4	35.5	33.3	30.5	27.2	24.5	21.4	20.7	16	15.4	15.2		95							
100					36.1	38.8	37.5	35.8	34.2	33.3	31.9	29.1	25.9	23.5	20.6	20	15.5	14.9	14.8		100							
105						35.9	34.6	33	32	30.6	30.3	27.6	24.7	22.5	19.8	19.3	15	14.4	14.3		105							
110						33.2	32.1	30.4	29.5	29.5	28.7	26.2	23.6	21.5	19.1	18.6	14.6	13.9	13.8		110							
115						24.2	29.8	28.1	27.3	27.6	27	24.9	22.5	20.5	18.4	18	14.1	13.4	13.3		115							
120							27.7	26	26.4	26	24.9	23.6	21.4	19.6	17.7	17.3	13.6	12.8	12.7		120							
125							24	24.1	25	24.3	22.9	22.4	20.5	18.7	17	16.6	13.2	12.3	12.2		125							
130								23.4	23.3	22.6	21.2	20.9	19.6	17.9	16.2	15.9	12.8	11.8	11.7		130							
135								22.8	21.7	21	19.9	19.9	18.7	17.2	15.5	15.2	12.4	11.3	11.3		135							
140								17.9	20.3	19.5	19	18.9	17.8	16.4	14.8	14.6	11.9	10.8	10.8		140							
145									18.9	18.2	18.1	17.6	16.7	15.7	14.2	14	11.6	10.4	10.3		145							
150									17.6	16.9	17.4	16.3	15.9	15.1	13.6	13.4	11.2	10	9.9		150							
155									12.9	16.5	16.3	15.1	14.9	14.5	13	12.8	10.8	9.6	9.5		155							
160										15.9	15.2	14.2	13.8	13.5	12.5	12.3	10.4	9.3	9.1		160							
165										12.8	14.1	13.6	13.1	13	11.9	11.8	10.2	8.9	8.7		165							
170											13.2	13	12.7	12.3	11.4	11.3	9.9	8.6	8.3		170							
175											12.5	12.1	11.8	11.4	10.7	10.7	9.7	8.3	7.9		175							
180												9.8	11.4	11.2	10.5	9.9	10	9.4	8	7.6		180						
185													11.1	10.8	9.8	9.2	9.3	9.2	7.7	7.2		185						
190													9.8	10.2	9.3	8.6	8.7	8.9	7.4	6.8		190						
195														9.6	8.9	8	8.1	8.4	7.1	6.5		195						
200															8.8	8.4	7.5	7.6	7.8	6.8	6.2		200					
205																7.9	6.9	7	7.3	6.6	5.9		205					
210																	7.4	6.3	6.4	6.7	6.3	5.6		210				
215																		6.1	5.7	5.8	6.2	6	5.3		215			
220																			3	5.2	5.3	5.5	5		220			
225																				4.7	4.8	5.1	4.9	4.7		225		
230																					3.1	4.1	4.6	4.4	4.2		230	
235																						4.1	4	3.8			235	
240																							3.2	3.5	3.3			240
245																								2.8	2.9			245

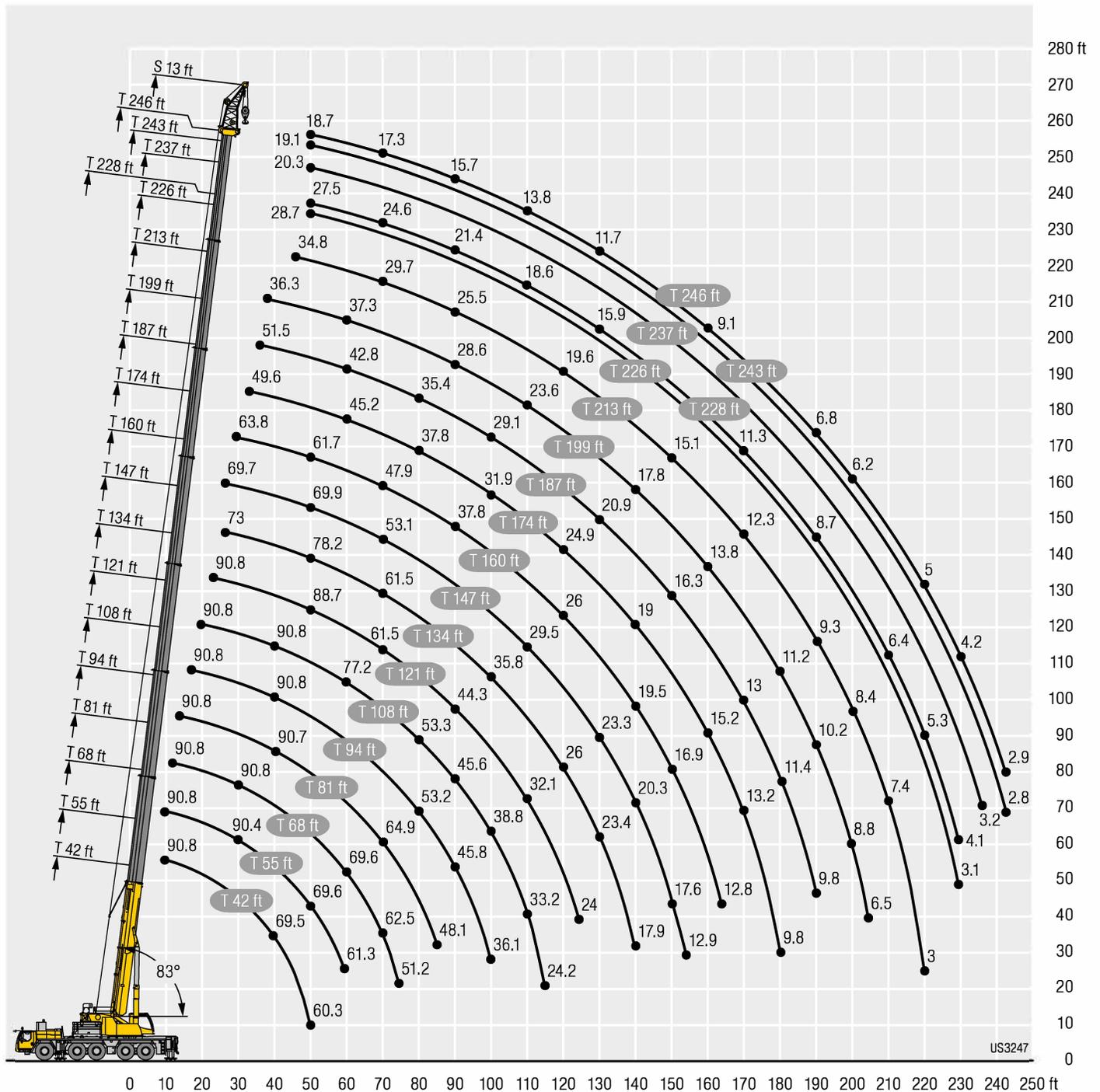


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TS



US3247

STERLING CRANE

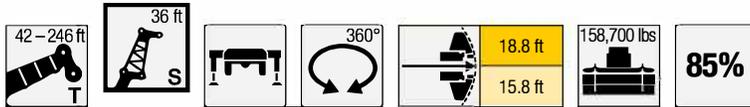


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TS



	42 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	230 ft	237 ft	243 ft	246 ft	
	36 ft													
11	77.5													11
12	77.5													12
13	76.9													13
14	74													14
15	71.1													15
16	68.4													16
17	65.9													17
18	63.4													18
19	61													19
20	58.8													20
22	54.7													22
24	51													24
26	47.9													26
28	45	61.2												28
30	42.3	59.6	56.9											30
32	40	58	55.7											32
34	37.8	56.4	54.4	51										34
36	35.9	54.9	53.1	50										36
38	34.1	53.5	51.9	49	44.8									38
40	32.5	52.1	50.7	48.1	44.5									40
45	29	48.9	47.9	45.8	43.1	38.4	32.2							45
50	26.1	46.1	45.4	43.7	41.5	37.7	31.7	26.3	20.3	16.1	15.6			50
55	23.7	43.5	43.1	41.7	39.9	36.6	31.1	25.8	20.1	15.8	15.4	14.6	14.2	55
60	21.7	41	41	39.9	38.5	35.1	30.1	25.2	19.6	15.5	15.1	14.3	14	60
65	20	38.6	38.9	38.2	37	33.6	29.1	24.5	19.2	15.1	14.8	14.1	13.8	65
70	18.7	36.4	36.9	36.5	35.5	32.2	28.1	23.7	18.6	14.8	14.5	13.8	13.5	70
75		34.4	35.1	34.9	34.2	30.8	27.2	22.9	18.1	14.4	14.1	13.5	13.2	75
80		32.7	33.3	33.3	32.8	29.5	26.2	22.1	17.6	14	13.7	13.1	12.9	80
85		31	31.8	31.9	31.5	28.3	25.2	21.3	17	13.5	13.4	12.8	12.6	85
90		29.5	30.4	30.5	30.2	27.1	24.2	20.6	16.5	13.1	13	12.5	12.3	90
95		28.1	29	29.3	28.9	25.9	23.1	19.9	16	12.8	12.6	12.1	12	95
100		26.9	27.8	28.2	27.7	24.7	22.1	19.2	15.5	12.4	12.3	11.8	11.7	100
105		25.7	26.7	27.1	26.4	23.5	21.1	18.5	15	12	11.9	11.5	11.3	105
110		24.7	25.6	26.1	25.2	22.5	20.1	17.8	14.5	11.6	11.6	11.2	11	110
115		23.7	24.6	25.2	24	21.4	19.2	17.2	14.1	11.2	11.2	10.8	10.7	115
120		22.8	23.7	24.2	22.9	20.4	18.4	16.6	13.6	10.9	10.9	10.5	10.4	120
125		22	22.9	23.1	21.7	19.5	17.6	15.9	13.2	10.6	10.5	10.2	10.1	125
130		21.2	22.1	21.3	20.6	18.6	16.7	15.3	12.8	10.2	10.2	9.9	9.8	130
135		20.5	21.1	19.7	19.5	17.8	16	14.6	12.4	9.9	9.9	9.6	9.6	135
140		19.8	19.6	18.2	18.2	17	15.3	14	12.1	9.5	9.7	9.4	9.3	140
145		19.2	18.3	17.3	16.8	16.2	14.6	13.3	11.7	9.2	9.5	9.1	9	145
150		18	17	16.4	15.5	15.3	13.9	12.8	11.4	8.8	9.2	8.7	8.7	150
155		16.8	15.9	15.4	14.2	14.2	13.4	12.2	11	8.5	9	8.4	8.4	155
160		14.2	14.8	14.2	13.5	13	12.8	11.7	10.6	8.2	8.8	8.2	8.1	160
165			13.8	13.2	12.9	12	12	11.2	10.3	7.9	8.6	7.9	7.8	165
170			12.5	12.2	12.2	11.2	11.1	10.7	9.9	7.6	8.4	7.6	7.6	170
175			9.1	11.3	11.3	10.6	10.2	10.2	9.6	7.3	8.1	7.4	7.3	175
180				10.5	10.4	10.2	9.5	9.7	9.3	7	7.9	7.1	7	180
185				8.9	9.7	9.7	9.1	9.1	9	6.8	7.7	6.8	6.7	185
190				5.3	9.1	9.2	8.8	8.4	8.7	6.5	7.6	6.6	6.4	190
195					8.4	8.6	8.5	8.1	8.3	6.2	7.4	6.3	6.1	195
200					7.6	8.1	8.2	7.8	7.9	6	7.2	6.1	5.8	200
205						7.9	7.7	7.6	7.3	5.7	7	5.8	5.5	205
210						7.6	7.2	7.3	6.8	5.5	6.8	5.6	5.2	210
215						6.5	6.6	7	6.2	5.2	6.4	5.4	4.9	215
220							6.2	6.5	5.7	5	5.9	5.2	4.6	220
225							6	6	5.2	4.7	5.3	5	4.4	225
230							3.1	5.6	4.7	4.5	4.9	4.7	4.1	230
235								5	4.2	4.3	4.4	4.2	3.8	235
240								3.4	3.7	4.1	3.9	3.8	3.5	240
245									3.3	4	3.5	3.3	3.1	245
250									2.6	3.8	3.1	2.9	2.7	250
255										3.1	2.7	2.5	2.3	255
260											2.3			260

STERLING CRANE

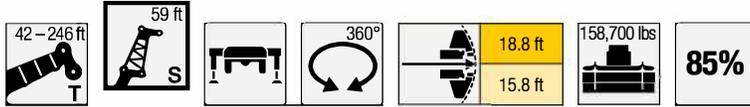


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TS



	42 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	230 ft	237 ft	243 ft	246 ft		
	59 ft														
14	56.2													14	
15	56.2													15	
16	56.2													16	
17	56													17	
18	55.1													18	
19	54													19	
20	52.8													20	
22	50.7													22	
24	48.6													24	
26	46.6													26	
28	44.6													28	
30	42.4													30	
32	40.2	41.1												32	
34	37.9	40.3	38.5											34	
36	36	39.5	37.9											36	
38	34.2	38.8	37.3	34.9										38	
40	32.5	38	36.7	34.4										40	
45	29	36.2	35	33.1	30.4	27								45	
50	25.9	34.4	33.5	31.8	29.4	26.4	22.3							50	
55	23.5	32.7	32	30.6	28.5	25.8	22	18.5	12.9	15.3	12	11.6		55	
60	21.4	31.2	30.6	29.5	27.6	25.2	21.6	18.3	12.7	15.1	11.8	11.5	10.8	10.5	60
65	19.5	29.7	29.4	28.4	26.7	24.5	21.3	18	12.3	14.8	11.6	11.3	10.7	10.4	65
70	18	28.3	28.2	27.4	25.9	23.9	20.9	17.7	12	14.5	11.3	11.1	10.5	10.2	70
75	16.6	26.9	27	26.4	25.1	23.3	20.6	17.2	11.7	14.1	11.1	10.9	10.3	10.1	75
80	15.4	25.6	25.9	25.5	24.4	22.7	20.2	16.7	11.4	13.8	10.8	10.6	10.1	9.9	80
85	14.3	24.3	24.8	24.6	23.7	22.2	19.8	16.2	11	13.4	10.5	10.3	9.9	9.7	85
90	13.4	23.2	23.6	23.6	22.9	21.6	19.2	15.6	10.7	13	10.2	10.1	9.7	9.5	90
95	12.7	22.2	22.6	22.7	22.2	21.1	18.5	15.1	10.3	12.6	10	9.8	9.5	9.3	95
100		21.1	21.7	21.8	21.5	20.6	17.9	14.6	10	12.2	9.7	9.6	9.3	9.2	100
105		20.2	20.8	21	20.8	20	17.2	14.2	9.7	11.8	9.5	9.4	9.1	9	105
110		19.4	19.9	20.2	20	19.3	16.6	13.7	9.5	11.4	9.2	9.1	8.9	8.8	110
115		18.6	19.2	19.5	19.4	18.6	16	13.3	9.2	11	9	8.9	8.7	8.6	115
120		17.9	18.5	18.8	18.8	17.8	15.5	12.8	8.9	10.7	8.8	8.7	8.5	8.4	120
125		17.2	17.8	18.2	18.2	17.1	14.9	12.4	8.7	10.3	8.5	8.5	8.3	8.2	125
130		16.6	17.2	17.6	17.6	16.3	14.4	12	8.5	10	8.3	8.3	8.1	8	130
135		16	16.6	17	17	15.6	13.8	11.6	8.2	9.8	8.1	8.1	7.9	7.8	135
140		15.5	16.1	16.5	16.5	14.9	13.2	11.3	8	9.5	7.9	7.9	7.7	7.6	140
145		15	15.6	16	16	14.3	12.7	10.9	7.8	9.2	7.7	7.7	7.5	7.5	145
150		14.5	15.1	15.5	15.4	13.6	12.1	10.6	7.5	9	7.5	7.5	7.3	7.3	150
155		14.1	14.7	15	14.6	13	11.6	10.3	7.3	8.8	7.3	7.3	7.1	7.1	155
160		13.7	14.3	14	13.5	12.5	11.1	9.9	7.1	8.6	7	7.1	6.9	6.9	160
165		13.3	13.8	13	12.4	11.9	10.6	9.6	6.8	8.4	6.8	7	6.7	6.7	165
170		13	13.3	12.4	11.4	11.3	10.2	9.3	6.5	8.2	6.6	6.8	6.5	6.5	170
175		12.8	12.4	11.8	10.5	10.3	9.8	9	6.2	8	6.3	6.6	6.3	6.3	175
180		12.2	11.6	10.9	10	9.6	9.4	8.7	5.9	7.8	6.1	6.5	6.1	6	180
185		8.9	10.7	10.2	9.6	8.9	9	8.4	5.7	7.7	5.8	6.3	5.8	5.8	185
190			10	9.5	9.2	8.4	8.5	8.1	5.5	7.5	5.6	6.2	5.6	5.6	190
195			8.3	8.9	8.7	8.1	8	7.8	5.2	7.3	5.4	6	5.4	5.3	195
200			4.8	8.4	8.2	7.8	7.4	7.6	5	7.1	5.2	5.9	5.2	5	200
205				7.7	7.6	7.5	7.1	7	4.7	6.9	4.9	5.7	5	4.8	205
210				5.6	7	7	6.8	6.5	4.5	6.6	4.7	5.6	4.8	4.5	210
215					6.4	6.5	6.6	6.2	4.3	6.2	4.5	5.4	4.6	4.2	215
220					5.7	6.1	6.3	6	4	5.7	4.3	5.3	4.4	3.9	220
225					5.6	5.9	5.8	5.8	3.8	5.2	4.1	5.1	4.2	3.7	225
230						5.8	5.3	5.6	3.6	4.7	3.9	4.8	4	3.4	230
235						5.6	5	5.3	3.3	4.2	3.6	4.4	3.8	3.1	235
240							4.7	4.8	3.1	3.8	3.4	3.9	3.6	2.9	240
245							4.5	4.4	2.9	3.4	3.2	3.5	3.3	2.6	245
250							3.4	4	2.6	3	3	3.1	2.9	2.4	250
255								3.6	2.4	2.6	2.8	2.7	2.5		255
260								2.8	2.3			2.6	2.3		260
265												2.4			265
270												2.3			270

STERLING CRANE

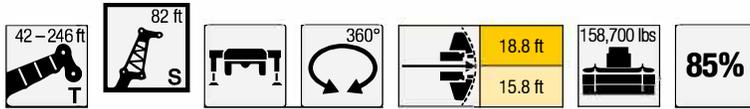


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TS



	42 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	230 ft	237 ft	243 ft	246 ft	
	82 ft													
18	40													18
19	40													19
20	40													20
22	39.5													22
24	38.2													24
26	36.9													26
28	35.5													28
30	34.3													30
32	33													32
34	31.8													34
36	30.4	29.2												36
38	29	28.6	27.4											38
40	27.6	28.1	26.9											40
45	24.5	26.7	25.8	24.3	22									45
50	21.8	25.4	24.6	23.3	21.3	19.1								50
55	19.8	24.2	23.5	22.4	20.7	18.6	16.2	13.7						55
60	17.9	23	22.5	21.5	20	18.1	15.9	13.5	11.2	9.1				60
65	16.3	21.9	21.5	20.7	19.4	17.7	15.6	13.3	11	8.9	8.7	8.3	8.1	65
70	14.8	20.9	20.6	19.9	18.8	17.2	15.3	13.1	10.8	8.8	8.6	8.2	8	70
75	13.6	19.8	19.7	19.1	18.2	16.7	14.9	12.9	10.6	8.7	8.5	8.1	7.9	75
80	12.5	18.8	18.8	18.4	17.6	16.3	14.6	12.7	10.4	8.5	8.4	8	7.8	80
85	11.6	17.8	18	17.7	17	15.9	14.3	12.5	10.2	8.3	8.2	7.9	7.7	85
90	10.8	16.9	17.1	17	16.5	15.4	14	12.3	10	8.2	8	7.7	7.6	90
95	10	16	16.3	16.3	16	15	13.7	12.1	9.8	8	7.9	7.6	7.5	95
100	9.5	15.3	15.5	15.6	15.5	14.6	13.4	11.7	9.6	7.9	7.8	7.5	7.4	100
105	8.9	14.5	14.9	14.9	15	14.3	13.1	11.3	9.4	7.7	7.6	7.3	7.2	105
110	8.5	13.8	14.2	14.3	14.6	13.9	12.8	10.9	9.1	7.5	7.4	7.2	7.1	110
115	8.1	13.2	13.6	13.7	14.2	13.5	12.5	10.6	8.9	7.4	7.3	7	6.9	115
120		12.7	13	13.2	13.7	13.2	12.3	10.2	8.7	7.2	7.1	6.9	6.8	120
125		12.1	12.5	12.7	13.2	12.8	12	9.9	8.5	7	6.9	6.7	6.6	125
130		11.6	12	12.2	12.8	12.5	11.7	9.6	8.3	6.8	6.8	6.6	6.5	130
135		11.1	11.5	11.7	12.4	12.1	11.4	9.4	8	6.6	6.6	6.4	6.3	135
140		10.7	11.1	11.3	11.9	11.7	11.1	9.1	7.8	6.5	6.4	6.3	6.2	140
145		10.3	10.7	10.9	11.5	11.4	10.8	8.9	7.6	6.3	6.3	6.1	6	145
150		10	10.3	10.5	11.2	11	10.4	8.6	7.4	6.1	6.1	6	5.9	150
155		9.6	10	10.2	10.8	10.7	10.1	8.4	7.2	6	5.9	5.8	5.7	155
160		9.3	9.7	9.9	10.5	10.4	9.8	8.2	7	5.8	5.8	5.7	5.6	160
165		9.1	9.4	9.6	10.2	10.2	9.4	8	6.9	5.6	5.6	5.5	5.5	165
170		8.9	9.2	9.4	9.9	9.9	9.1	7.8	6.7	5.5	5.5	5.4	5.3	170
175		8.6	8.9	9.2	9.7	9.6	8.8	7.6	6.5	5.3	5.4	5.2	5.2	175
180		8.4	8.7	8.9	9.5	9.3	8.5	7.4	6.4	5.2	5.2	5	5	180
185		8.2	8.5	8.7	9.2	9	8.2	7.3	6.2	5	5.1	4.9	4.8	185
190		8.1	8.3	8.5	8.9	8.7	7.9	7.1	6.1	4.8	4.9	4.7	4.7	190
195		7.9	8.2	8.3	8.3	8.2	7.6	6.9	5.9	4.6	4.8	4.5	4.5	195
200		7.8	8	8.2	7.9	7.6	7.4	6.7	5.8	4.4	4.7	4.4	4.3	200
205		7.7	7.9	8	7.6	7	7	6.5	5.6	4.2	4.6	4.2	4	205
210		4.8	7.7	7.5	7.3	6.6	6.5	6.3	5.5	4	4.4	4	3.8	210
215			7.2	7	6.9	6.4	5.9	6	5.4	3.8	4.3	3.8	3.5	215
220			5.2	6.5	6.4	6.1	5.6	5.5	5.2	3.6	4.2	3.6	3.3	220
225				6	5.9	5.8	5.4	5	5.1	3.4	4.1	3.4	3	225
230				4.9	5.4	5.4	5.2	4.9	4.8	3.2	4	3.2	2.8	230
235				2.6	4.9	4.9	5	4.7	4.3	2.9	3.9	3	2.5	235
240					4.4	4.5	4.6	4.5	3.9	2.7	3.8	2.8	2.3	240
245					4.2	4.4	4.2	4.3	3.5	2.5	3.5	2.6		245
250						4.3	3.8	4	3	2.3	3.1	2.4		250
255						4.2	3.6	3.6	2.6		2.7	2.2		255
260						3.4	3.4	3.2	2.3		2.3			260
265							3.3	2.9						265
270							2.8	2.6						270
275								2.2						275

STERLING CRANE

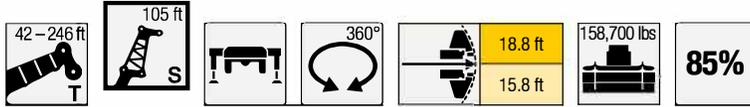


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TS



	42 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	230 ft	237 ft	243 ft	246 ft	
	105 ft													
22	28.7													22
24	28.7													24
26	28.5													26
28	27.9													28
30	27.1													30
32	26.3													32
34	25.5													34
36	24.7													36
38	24	21.1												38
40	23.1	20.8												40
45	20.7	19.9	19.1	17.8										45
50	18.6	19	18.3	17.2	15.8									50
55	16.7	18.2	17.6	16.6	15.3	13.7								55
60	15.1	17.4	16.9	16	14.8	13.4	11.6	9.8						60
65	13.7	16.6	16.2	15.4	14.4	13	11.3	9.7	7.4	8.3				65
70	12.4	15.9	15.5	14.9	13.9	12.6	11.1	9.6	7.3	8.2	6.8	6.6		70
75	11.3	15.2	14.9	14.3	13.4	12.3	10.9	9.4	7.2	8.1	6.8	6.6	6.2	75
80	10.4	14.5	14.3	13.8	13	11.9	10.6	9.3	7	8	6.7	6.5	6.2	80
85	9.6	13.9	13.7	13.3	12.6	11.6	10.4	9.1	6.9	7.8	6.5	6.4	6.1	85
90	9	13.3	13.2	12.8	12.2	11.3	10.1	9	6.8	7.7	6.4	6.3	6	90
95	8.5	12.6	12.6	12.3	11.8	10.9	9.9	8.9	6.6	7.5	6.3	6.2	5.9	95
100	8	12	12.1	11.9	11.4	10.6	9.7	8.7	6.5	7.4	6.2	6.1	5.8	100
105	7.5	11.4	11.6	11.4	11	10.3	9.5	8.6	6.3	7.2	6	5.9	5.7	105
110	7.1	10.9	11.1	11	10.6	10.1	9.3	8.4	6.2	7.1	5.9	5.8	5.6	110
115	6.7	10.4	10.6	10.5	10.3	9.8	9.1	8.3	6	6.9	5.8	5.7	5.5	115
120	6.4	10	10.2	10.1	10	9.6	8.9	8.2	5.9	6.8	5.7	5.6	5.4	120
125	6	9.5	9.8	9.8	9.7	9.3	8.8	8	5.7	6.6	5.5	5.5	5.3	125
130	5.8	9.1	9.4	9.5	9.4	9.1	8.6	7.9	5.6	6.5	5.4	5.4	5.2	130
135	5.5	8.8	9	9.1	9.1	8.9	8.4	7.7	5.5	6.3	5.3	5.2	5.1	135
140	5.3	8.5	8.7	8.8	8.8	8.6	8.2	7.5	5.3	6.2	5.2	5.1	4.9	140
145		8.2	8.4	8.5	8.6	8.4	8	7.3	5.2	6	5	5	4.8	145
150		7.9	8.2	8.3	8.3	8.2	7.8	7.1	5	5.9	4.9	4.8	4.7	150
155		7.7	7.9	8.1	8.1	8	7.7	6.9	4.9	5.8	4.8	4.7	4.6	155
160		7.4	7.7	7.8	7.8	7.8	7.5	6.8	4.7	5.6	4.6	4.6	4.5	160
165		7.2	7.4	7.6	7.6	7.6	7.4	6.6	4.6	5.5	4.5	4.5	4.4	165
170		7	7.2	7.4	7.4	7.4	7.2	6.4	4.4	5.4	4.4	4.3	4.2	170
175		6.7	7	7.2	7.2	7.2	7	6.2	4.3	5.3	4.2	4.2	4.1	175
180		6.5	6.8	7	7	7	6.9	6.1	4.1	5.1	4.1	4.1	4	180
185		6.4	6.6	6.8	6.9	6.9	6.8	5.9	4	5	3.9	4	3.9	185
190		6.2	6.4	6.6	6.7	6.7	6.6	5.7	3.8	4.9	3.8	3.9	3.7	190
195		6	6.3	6.4	6.5	6.6	6.5	5.6	3.7	4.7	3.6	3.8	3.5	195
200		5.9	6.1	6.3	6.4	6.4	6.3	5.5	3.5	4.6	3.4	3.6	3.4	200
205		5.7	5.9	6.1	6.2	6.3	6.2	5.3	3.3	4.5	3.3	3.5	3.2	205
210		5.6	5.8	6	6.1	6.1	6	5.2	3.1	4.4	3.1	3.4	3	210
215		5.5	5.7	5.8	6	6	5.8	5.1	2.8	4.2	2.9	3.3	2.8	215
220		5.4	5.5	5.7	5.8	5.5	5.5	4.9	2.6	4.1	2.7	3.2	2.6	220
225		5.3	5.4	5.6	5.7	5.2	5	4.8	2.4	4	2.5	3.1	2.5	225
230		5.2	5.3	5.5	5.5	5	4.5	4.5	2.2	3.9	2.3	3	2.3	230
235			5.2	5.3	5.1	4.8	4.4	4.1		3.8		2.9		235
240			4.7	4.9	4.6	4.6	4.2	3.7		3.6		2.7		240
245			2.4	4.5	4.2	4.1	4	3.5		3.4		2.6		245
250				4	3.8	3.7	3.8	3.4		3		2.5		250
255				2.6	3.4	3.3	3.4	3.3		2.6		2.4		255
260					3	3.1	3	3.1		2.2				260
265					2.9	3	2.6	2.8						265
270					2.8	3	2.4	2.5						270
275						2.9	2.2							275
280						2.8								280

STERLING CRANE

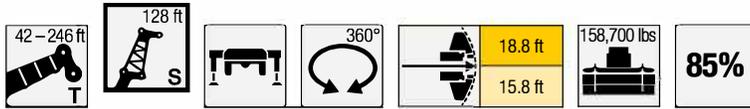


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TS



	42 ft	134 ft	147 ft	160 ft	174 ft	187 ft	199 ft	213 ft	226 ft	230 ft	237 ft	243 ft	246 ft	
	128 ft													
26	21.9													26
28	21.9													28
30	21.8													30
32	21.3													32
34	20.8													34
36	20.3													36
38	19.8													38
40	19.3													40
45	17.8	15.4	14.6											45
50	16.3	14.8	14.1	13.2										50
55	14.9	14.1	13.6	12.7	11.6									55
60	13.5	13.5	13	12.2	11.2	10								60
65	12.2	12.9	12.5	11.8	10.8	9.7	8.6							65
70	11.1	12.3	11.9	11.3	10.5	9.5	8.4	7.3						70
75	10.2	11.7	11.4	10.9	10.1	9.3	8.3	7.2	5.4	6.1	4.5	4.5		75
80	9.4	11.2	10.9	10.5	9.8	9	8.1	7.1	5.4	6	4.5	4.5	3.8	80
85	8.6	10.6	10.5	10.1	9.5	8.8	7.9	7	5.3	5.9	4.5	4.5	3.8	85
90	8.1	10.2	10	9.7	9.2	8.6	7.8	6.8	5.2	5.8	4.5	4.5	3.8	90
95	7.5	9.8	9.7	9.4	9	8.4	7.6	6.7	5.1	5.7	4.5	4.5	3.8	95
100	7	9.4	9.3	9.1	8.7	8.2	7.5	6.6	5	5.6	4.5	4.5	3.8	100
105	6.6	9	9	8.8	8.5	8	7.3	6.5	4.8	5.5	4.5	4.4	3.8	105
110	6.2	8.6	8.7	8.5	8.2	7.7	7.1	6.4	4.7	5.4	4.5	4.4	3.8	110
115	5.8	8.2	8.3	8.3	8	7.5	7	6.2	4.6	5.2	4.4	4.3	3.8	115
120	5.5	7.9	8	8	7.7	7.3	6.8	6.1	4.5	5.1	4.3	4.2	3.8	120
125	5.1	7.6	7.7	7.7	7.5	7.1	6.6	6	4.3	5	4.1	4.1	3.8	125
130	4.9	7.2	7.4	7.4	7.2	6.9	6.4	5.8	4.2	4.8	4	4	3.8	130
135	4.6	6.9	7.1	7.1	7	6.7	6.3	5.7	4	4.7	3.9	3.8	3.7	135
140	4.3	6.7	6.9	6.9	6.8	6.5	6.1	5.6	3.9	4.6	3.8	3.7	3.6	140
145	4.1	6.4	6.6	6.7	6.6	6.4	6	5.5	3.8	4.5	3.7	3.6	3.5	145
150	3.9	6.2	6.3	6.4	6.4	6.2	5.8	5.4	3.6	4.3	3.5	3.5	3.3	150
155	3.7	5.9	6.1	6.2	6.2	6	5.7	5.2	3.5	4.2	3.4	3.4	3.2	155
160	3.5	5.7	5.9	6	6	5.8	5.5	5.1	3.4	4.1	3.3	3.2	3.1	160
165		5.5	5.7	5.8	5.8	5.7	5.4	5	3.2	4	3.2	3.1	3	165
170		5.3	5.5	5.6	5.6	5.5	5.3	4.9	3.1	3.9	3	3	2.9	170
175		5.1	5.3	5.4	5.4	5.4	5.1	4.8	3	3.8	2.9	2.9	2.7	175
180		4.9	5.1	5.2	5.3	5.2	5	4.7	2.9	3.7	2.8	2.8	2.6	180
185		4.8	4.9	5.1	5.1	5.1	4.9	4.6	2.7	3.6	2.7	2.6	2.5	185
190		4.6	4.8	4.9	5	4.9	4.8	4.4	2.6	3.5	2.5	2.5	2.4	190
195		4.4	4.6	4.7	4.8	4.8	4.6	4.3	2.5	3.4	2.4	2.4	2.3	195
200		4.3	4.5	4.6	4.7	4.7	4.5	4.2	2.3	3.3	2.3	2.3		200
205		4.1	4.3	4.5	4.5	4.5	4.4	4.1		3.2				205
210		4	4.2	4.3	4.4	4.4	4.3	4		3.1				210
215		3.9	4.1	4.2	4.3	4.3	4.2	3.9		3				215
220		3.8	4	4.1	4.2	4.2	4.1	3.8		2.9				220
225		3.7	3.8	4	4.1	4.1	4.1	3.7		2.8				225
230		3.6	3.7	3.9	3.9	4	4	3.5		2.7				230
235		3.5	3.6	3.8	3.8	3.8	3.8	3.4		2.5				235
240		3.4	3.5	3.7	3.7	3.7	3.4	3.2		2.4				240
245		3.3	3.4	3.6	3.6	3.5	3.1	2.9		2.3				245
250		3.3	3.4	3.5	3.5	3.4	2.9	2.6		2.3				250
255		2.4	3.3	3.4	3.3	3.1	2.7	2.2						255
260			3.2	3.2	2.9	2.8	2.5							260
265				2.9	2.6	2.4	2.3							265
270				2.5	2.2									270

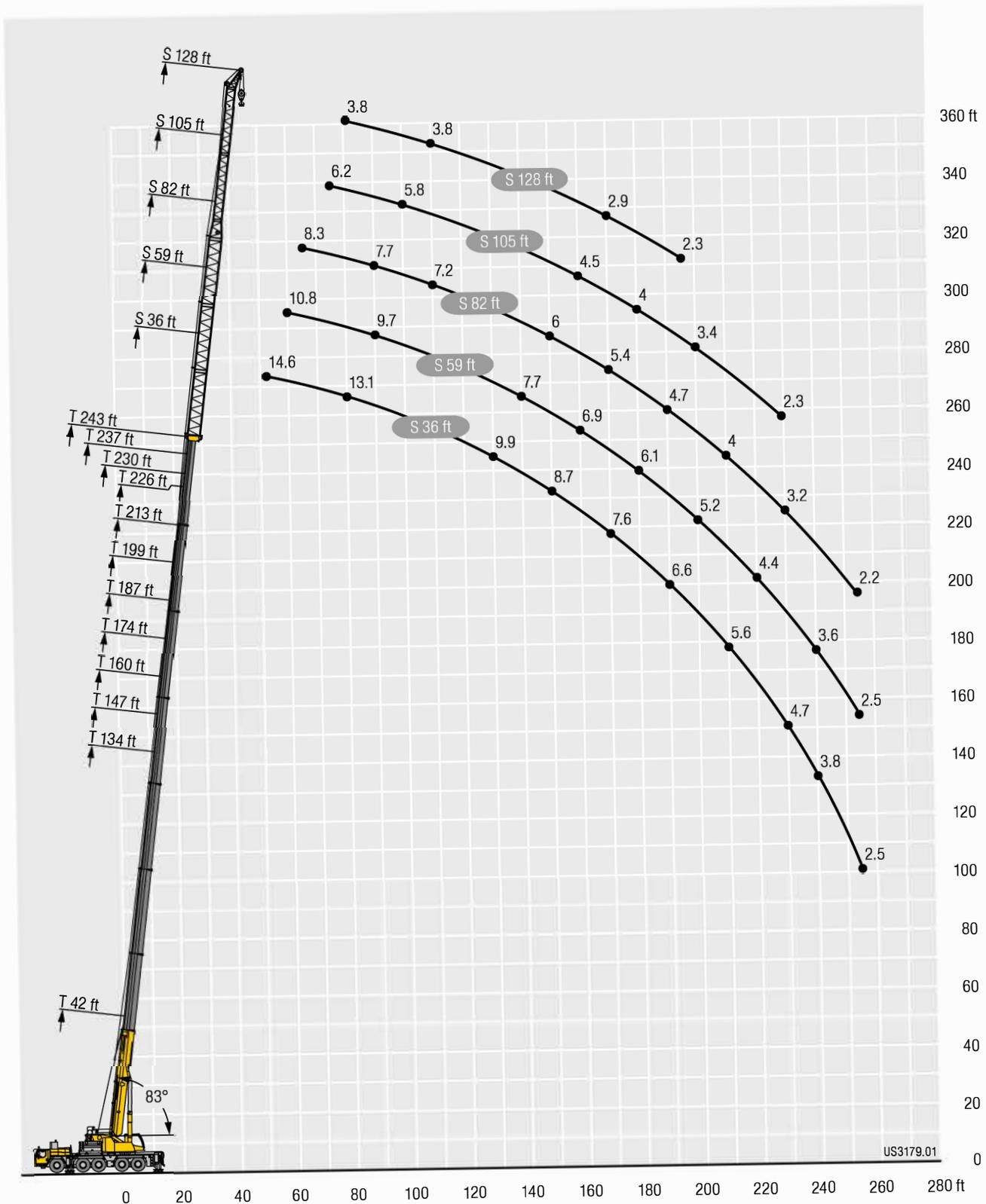


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting heights Hauteurs de levage

TS



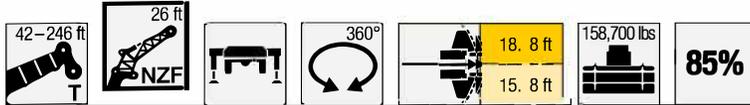


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib height (ft)	42 ft 26 ft			134 ft 26 ft			147 ft 26 ft			160 ft 26 ft			174 ft 26 ft			187 ft 26 ft			199 ft 26 ft			Jib height (ft)
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	90.9																					10
11	90.9																					11
12	90.9																					12
13	90.9																					13
14	90.4																					14
15	89.1																					15
16	87.3																					16
17	85.5																					17
18	83.7																					18
19	82.1																					19
20	80.4	59																				20
22	77.2	56.2																				22
24	74.1	53.5																				24
26	70.7	51.2		71.6																		26
28	67	49	39.5	70.6																		28
30	63.4	47	38.4	69.4			65.1															30
32	59.9	45.2	37.3	67.9			64.4															32
34	56.7	43.5	36.3	66.3			63.5		57.7													34
36	53.8	41.9	35.5	64.7	47.4		62.7		57.2													36
38	51.1	40.5	34.6	63.1	46.5		61.7		56.7				50.1									38
40	48.7	39.1	33.9	61.6	45.5		60.6	46	56.2				49.7			41.3						40
45	43.5	36.2	32.3	58.1	43.4	35.4	57.5	43.9	54.4	43.2			47.8			40.6			33.5			45
50	39.3	33.8	31.1	55	41.5	34.4	54.6	42.1	52.2	41.5	34.6		45.4	40.3		39			32.9			50
55	35.8	31.8	30.4	52	39.7	33.4	51.9	40.3	50	40	33.7		43	38.9	33.2	37.2	36.7		31.9			55
60	32.9	30.3	30.3	49.1	38.1	32.5	49.5	38.8	47.6	38.5	32.9		40.9	37.6	32.4	35.5	35.3	32.1	30.8	29.7		60
65	30.5	29.8		46.5	36.7	31.7	47.2	37.4	45	37.2	32.1		38.9	36.4	31.7	33.9	33.7	31.5	29.6	28.7	28.2	65
70				43.9	35.3	30.9	44.9	36.2	42.6	36	31.4		37	35.3	31.1	32.3	32.2	30.9	28.3	27.6	27.1	70
75				41.8	34.2	30.2	42.8	35	40.2	34.9	30.8		35.2	34.3	30.5	30.8	30.7	30.3	27.1	26.5	26	75
80				39.8	33	29.6	40.8	33.9	38.1	33.9	30.2		33.5	33	29.9	29.4	29.4	29.5	25.9	25.4	25	80
85				37.8	32	29.1	39	32.9	36	32.9	29.7		31.8	31.5	29.4	28.1	28	28.3	24.8	24.4	24	85
90				36.2	31.1	28.6	37.2	31.9	34.1	32	29.2		30.3	29.9	28.8	26.8	26.7	26.9	23.8	23.5	23.1	90
95				34.5	30.1	28.1	35.3	31	32.2	31.1	28.7		28.7	28.4	28.2	25.5	25.3	25.5	22.7	22.5	22.3	95
100				33.1	29.2	27.7	33.3	30.2	30.3	29.8	28.2		27.3	27	27	24.2	24.1	24.3	21.6	21.5	21.5	100
105				31.7	28.4	27.4	30.9	29.4	28.6	28.5	27.6		25.8	25.7	25.7	23	22.9	23.1	20.6	20.5	20.6	105
110				29.7	27.6	27	28.3	28.5	27	27.1	27		24.4	24.4	24.5	21.9	21.8	22	19.5	19.5	19.8	110
115				27.3	26.9	26.6	25.9	27	25.1	25.7	25.9		23.1	23.2	23.4	20.8	20.7	20.9	18.6	18.6	18.8	115
120				25.2	25.9	26.2	24.3	24.8	23.1	24.1	24.6		21.8	22	22.2	19.7	19.7	19.9	17.7	17.7	17.9	120
125				23.3	24	24.3	22.6	23.1	21.1	22.2	22.7		20.5	20.9	21.1	18.8	18.8	19	16.8	16.9	17.1	125
130				21.6	22.2	22.3	20.8	21.6	19.4	20.3	20.7		19.1	19.7	20	17.8	17.9	18.1	15.9	16	16.3	130
135				20	20.5	20.5	19.2	19.9	18.1	18.6	19		17.5	18.4	18.7	16.9	17	17.2	15.1	15.2	15.5	135
140				18.5	19	18.9	17.7	18.3	17.1	17.3	17.6		16	16.8	17.2	16	16.2	16.4	14.4	14.5	14.7	140
145				17.2	17.5	17.3	16.4	16.9	15.9	16.4	16.7		14.6	15.4	15.7	14.8	15.3	15.6	13.7	13.8	14	145
150				16	16.2		15.1	15.5	14.7	15.2	15.4		13.7	14	14.3	13.5	14.3	14.5	13	13.1	13.3	150
155				12	12.3		13.9	14.3	13.5	14	14.1		12.9	13.1	13.3	12.3	13	13.2	12.3	12.5	12.7	155
160							12.9	13.1	12.4	12.8	12.8		12.1	12.4	12.6	11.2	11.8	12	11.3	11.8	12.1	160
165							10.9	11.5	11.4	11.7	11.6		11.2	11.6	11.7	10.6	10.7	10.9	10.3	10.9	11.1	165
170							6.8		10.4	10.7	10.5		10.2	10.6	10.6	10.1	10.2	10.3	9.4	9.9	10.1	170
175									9.6	9.8			9.5	9.7	9.7	9.6	9.7	9.8	8.9	9.1	9.2	175
180									7.3	7.5			8.7	9	8.8	9	9.2	9.3	8.5	8.7	8.8	180
185									7.9	8.1	7.9		7.9	8.1	7.9	8.3	8.6	8.5	8.2	8.3	8.4	185
190													7.1	7.3		7.7	7.8	7.8	7.8	7.9	8	190
195													6.8	6.9		7.4	7.5	7.6	7.2	7.5	7.5	195
200																7.2	7.2		6.5	6.8	6.7	200
205																6.9	7		5.9	6.2	6	205
210																4.4			5.7	5.7		210
215																			5.4	5.4		215
220																			4.4	4.4		220



LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF

42-246 ft

26 ft

TNZF

360°

18.8 ft

15.8 ft

158,700 lbs

85%

	213 ft			226 ft			230 ft			237 ft			243 ft			246 ft			
	26 ft			26 ft			26 ft			26 ft			26 ft			26 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
50	27.1			20.6			16.2			15.7			14.7						50
55	26.5			20.3			15.9			15.4			14.5			14.1			55
60	25.8	24.6		19.9			15.5			15.1			14.2			13.9			60
65	24.9	23.7		19.4	18.7		15.1	15		14.8	14.6		13.9	13.9		13.6	13.6		65
70	24.1	22.8	22.2	18.8	18.1	17.9	14.7	14.5	14.7	14.4	14.2		13.6	13.5		13.3	13.3		70
75	23.3	22	21.4	18.2	17.5	17.3	14.2	14.1	14.3	14	13.8	14	13.3	13.2	13.4	13	13	13.2	75
80	22.4	21.2	20.7	17.6	16.9	16.7	13.8	13.6	13.8	13.6	13.4	13.6	12.9	12.8	13	12.7	12.6	12.8	80
85	21.5	20.5	20	17.1	16.3	16.1	13.3	13.2	13.3	13.2	13	13.2	12.6	12.5	12.7	12.3	12.2	12.4	85
90	20.6	19.8	19.4	16.5	15.8	15.6	12.9	12.7	12.9	12.7	12.6	12.7	12.2	12.1	12.3	12	11.9	12.1	90
95	19.9	19.1	18.7	15.9	15.3	15.1	12.5	12.3	12.4	12.3	12.2	12.3	11.8	11.7	11.9	11.7	11.5	11.7	95
100	19.1	18.4	18.2	15.4	14.8	14.6	12	11.9	12	11.9	11.8	11.9	11.5	11.4	11.5	11.3	11.2	11.4	100
105	18.3	17.8	17.6	14.9	14.3	14.2	11.6	11.5	11.6	11.5	11.4	11.5	11.1	11	11.2	11	10.8	11	105
110	17.5	17.1	17	14.3	13.8	13.7	11.2	11.1	11.2	11.2	11	11.1	10.8	10.6	10.8	10.6	10.5	10.7	110
115	16.7	16.5	16.5	13.9	13.4	13.3	10.8	10.7	10.8	10.8	10.6	10.7	10.4	10.3	10.4	10.3	10.2	10.4	115
120	15.9	15.8	15.9	13.4	12.9	12.9	10.4	10.3	10.5	10.4	10.3	10.4	10.1	10.1	10.2	9.9	9.9	10.1	120
125	15.2	15.2	15.4	13	12.5	12.5	9.9	10	10.1	10.1	10	10.1	9.7	9.8	9.9	9.6	9.7	9.8	125
130	14.4	14.6	14.8	12.5	12.2	12.1	9.5	9.6	9.8	9.8	9.7	9.8	9.3	9.4	9.6	9.3	9.4	9.5	130
135	13.7	13.9	14.1	12.1	11.8	11.8	9.1	9.3	9.5	9.5	9.4	9.5	9	9.1	9.3	8.9	9.1	9.3	135
140	13	13.2	13.5	11.6	11.4	11.4	8.8	8.9	9.1	9.2	9.2	9.3	8.6	8.8	9	8.6	8.7	8.9	140
145	12.4	12.5	12.8	11.2	11.1	11.1	8.4	8.6	8.8	9	8.9	9	8.3	8.5	8.6	8.3	8.4	8.6	145
150	11.8	11.9	12.1	10.7	10.7	10.8	8	8.2	8.4	8.7	8.7	8.8	8	8.1	8.3	8	8.1	8.3	150
155	11.2	11.4	11.6	10.3	10.3	10.4	7.7	7.8	8	8.4	8.4	8.6	7.7	7.8	8	7.6	7.8	8	155
160	10.7	10.8	11	9.9	9.9	10.1	7.3	7.5	7.7	8.2	8.2	8.3	7.3	7.5	7.7	7.3	7.5	7.6	160
165	10.2	10.3	10.4	9.5	9.6	9.7	7	7.2	7.3	7.9	8	8.1	7	7.2	7.3	7	7.2	7.3	165
170	9.6	9.9	10	9.1	9.2	9.4	6.7	6.8	7	7.7	7.7	7.8	6.7	6.9	7	6.6	6.8	7	170
175	9	9.3	9.5	8.8	8.9	9	6.4	6.5	6.6	7.5	7.5	7.6	6.5	6.6	6.7	6.3	6.5	6.7	175
180	8.3	8.7	8.8	8.4	8.5	8.6	6.1	6.2	6.3	7.2	7.3	7.4	6.2	6.3	6.5	5.9	6.2	6.3	180
185	7.8	8	8.1	8	8.2	8.3	5.8	5.9	6	7	7.1	7.2	5.9	6.1	6.2	5.6	5.8	6	185
190	7.5	7.6	7.6	7.6	7.8	7.9	5.5	5.6	5.7	6.8	6.9	7	5.6	5.8	5.9	5.2	5.5	5.6	190
195	7.1	7.2	7.3	6.9	7.3	7.4	5.2	5.3	5.4	6.6	6.7	6.8	5.3	5.5	5.6	4.9	5.1	5.2	195
200	6.8	6.9	7	6.2	6.6	6.7	4.9	5	5.1	6.3	6.5	6.6	5.1	5.2	5.3	4.5	4.7	4.9	200
205	6.4	6.6	6.6	5.6	5.9	6	4.6	4.8	4.8	5.8	6.1	6.2	4.8	5	5	4.2	4.4	4.5	205
210	5.8	6.1	6	5	5.3	5.3	4.4	4.5	4.5	5.2	5.6	5.6	4.6	4.7	4.8	3.8	4	4.1	210
215	5.3	5.5	5.4	4.4	4.7	4.6	4.1	4.2	4.3	4.6	5	5	4.3	4.5	4.5	3.5	3.7	3.7	215
220	4.8	4.9	3.1	3.8	4.1	4	3.9	4	4	4.1	4.4	4.4	3.9	4.1	4.2	3.2	3.3	3.4	220
225	4.2	4.4		3.3	3.5	3.4	3.6	3.7	3.7	3.6	3.8	3.8	3.4	3.7	3.7	2.9	3	3	225
230	3.6	3.8		2.8	3	2.8	3.4	3.5	3.4	3.1	3.3	3.2	2.9	3.1	3.1	2.6	2.7	2.7	230
235				2.4	2.5		3.1	3.2		2.6	2.8	2.7	2.4	2.6	2.6		2.4	2.3	235
240							2.9	2.9				2.3							240
245							2.5	2.6											245

STERLING CRANE

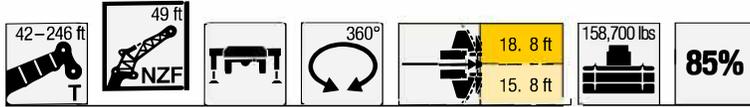


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib Length (ft)	42 ft 49 ft			134 ft 49 ft			147 ft 49 ft			160 ft 49 ft			174 ft 49 ft			187 ft 49 ft			199 ft 49 ft			Jib Length (ft)
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
13	60.9																					13
14	60.9																					14
15	60.9																					15
16	60.5																					16
17	59.5																					17
18	58.4																					18
19	57.3																					19
20	56.3																					20
22	54.3																					22
24	52.2																					24
26	50.1																					26
28	48.1																					28
30	45.7				46.2																	30
32	42.9	30.7		45.5																		32
34	40.7	29.5		44.6			42.6															34
36	38.5	28.3		43.8			42			38.6												36
38	36.4	27.2		42.9			41.3			38.2												38
40	34.8	26.2		42.1			40.7			37.7												40
45	30.9	24		40			38.9			36.4												45
50	27.7	22.1	18.5	38	25.5		37.2			35.1												50
55	25	20.4	17.4	36	24.4		35.6	25.1		33.8	24.7											55
60	22.7	19	16.5	34.2	23.3		34.1	24.1		32.6	23.8											60
65	20.8	17.7	15.8	32.4	22.4	17.4	32.7	23.1	17.9	31.4	23											65
70	19.1	16.7	15.2	30.6	21.5	17	31.3	22.3	17.5	30.4	22.2	17.4										70
75	17.6	15.8	14.8	29	20.8	16.6	29.9	21.5	17.1	29.3	21.4	17										75
80	16.4	15	14.7	27.5	20	16.2	28.5	20.8	16.7	28.2	20.7	16.7										80
85	15.3	14.5		26.2	19.3	15.9	27.2	20.2	16.4	27.1	20.1	16.4										85
90				25	18.7	15.6	26	19.5	16.1	26.1	19.5	16.1										90
95				23.8	18.1	15.3	24.9	18.9	15.8	25	18.9	15.8										95
100				22.7	17.6	15.1	23.9	18.4	15.6	24	18.4	15.6										100
105				21.8	17.1	14.8	22.8	17.9	15.4	23.1	17.9	15.4										105
110				20.9	16.6	14.7	22	17.4	15.2	22.3	17.5	15.2										110
115				20.1	16.2	14.5	21.2	17	15	21.4	17.1	15										115
120				19.3	15.8	14.4	20.4	16.6	14.9	20.7	16.7	14.9										120
125				18.6	15.5	14.4	19.6	16.2	14.8	20	16.3	14.7										125
130				17.9	15.2	14.3	19	15.9	14.7	19.3	16	14.6										130
135				17.3	14.9	14.3	18.3	15.6	14.6	18.5	15.7	14.6										135
140				16.7	14.6	14.3	17.7	15.3	14.6	17.4	15.4	14.5										140
145				16.1	14.4	14.3	17	15	14.6	16.1	15.2	14.5										145
150				15.6	14.2	14.3	16.1	14.8	14.6	14.8	14.9	14.5										150
155				15.1	14.1	14.3	15	14.6	14.6	13.5	14.5	14.5										155
160				14.6	14	14.3	13.9	14.3	14.6	12.7	13.5	14										160
165				13.7	13.8		12.8	13.6	13.7	12.1	12.4	12.8										165
170				12.8	13.2		11.8	12.5	12.5	11.2	11.8	12.1										170
175				10.6	11.8		10.9	11.4	11.3	10.3	11	11.2										175
180				6.8			10	10.4		9.5	10.1	10.1										180
185							9.2	9.6		8.9	9.3	9.3										185
190							6.9	7.4		8.1	8.6											190
195										7.4	7.8											195
200										6.4	7											200
205										3.8												205
210										5.4	5.7											210
215										5.1												215
220										4.2												220
225																						225
230																						230
235																						235
240																						240

STERLING CRANE

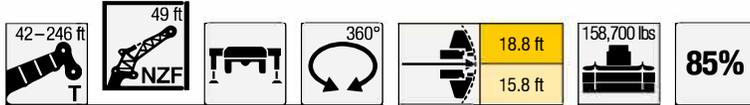


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib Length	213 ft 49 ft			226 ft 49 ft			230 ft 49 ft			237 ft 49 ft			243 ft 49 ft			246 ft 49 ft			Jib Length
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
50	19.1																		50
55	19			15.4			12			11.6									55
60	18.7			15.1			11.8			11.5			10.7			10.5			60
65	18.5			14.9			11.6			11.3			10.5			10.3			65
70	18			14.6			11.3			11			10.3			10.1			70
75	17.5	16.2		14.3			11			10.7			10.1			9.9			75
80	16.9	15.6		13.8	12.8		10.6	10.4		10.4	10.3		9.9	9.8		9.7			80
85	16.4	15.1		13.4	12.4		10.3	10.1		10.1	10		9.7	9.7		9.5	9.5		85
90	15.8	14.5	14	12.9	12	11.4	10	9.9		9.9	9.8		9.5	9.4		9.3	9.3		90
95	15.3	14	13.6	12.5	11.7	11.1	9.8	9.6	9.4	9.6	9.5	9.4	9.3	9.2	9.2	9.1	9.1		95
100	14.7	13.6	13.1	12.1	11.3	10.8	9.5	9.4	9.2	9.4	9.3	9.2	9	9	9	8.9	8.9	9	100
105	14.2	13.1	12.7	11.6	10.9	10.5	9.2	9.1	9	9.1	9	9	8.8	8.8	8.8	8.7	8.7	8.8	105
110	13.7	12.7	12.3	11.2	10.6	10.2	9	8.8	8.8	8.9	8.8	8.8	8.6	8.5	8.6	8.5	8.4	8.6	110
115	13.2	12.3	11.9	10.8	10.2	10	8.7	8.6	8.6	8.7	8.6	8.6	8.4	8.3	8.4	8.3	8.2	8.4	115
120	12.7	11.9	11.6	10.4	9.9	9.8	8.5	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.2	8.1	8	8.1	120
125	12.3	11.5	11.3	10.1	9.6	9.6	8.2	8.1	8.2	8.2	8.1	8.1	8	7.9	8	7.9	7.8	8	125
130	11.8	11.1	10.9	9.8	9.4	9.3	8	7.9	7.9	8	7.9	7.9	7.7	7.7	7.8	7.7	7.6	7.8	130
135	11.4	10.8	10.6	9.5	9.1	9.1	7.8	7.7	7.7	7.7	7.7	7.7	7.5	7.5	7.6	7.5	7.4	7.6	135
140	11	10.5	10.3	9.2	8.9	8.9	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.3	7.4	7.2	7.2	7.4	140
145	10.6	10.2	10.1	9	8.7	8.7	7.3	7.3	7.4	7.3	7.3	7.4	7.1	7.1	7.3	7	7.1	7.2	145
150	10.2	9.9	9.9	8.8	8.5	8.5	7	7.1	7.2	7.1	7.1	7.2	6.9	6.9	7.1	6.8	6.9	7	150
155	9.7	9.7	9.6	8.5	8.2	8.3	6.7	6.9	7	6.9	6.9	7	6.6	6.7	6.9	6.5	6.7	6.9	155
160	9.4	9.4	9.4	8.3	8	8.1	6.4	6.6	6.8	6.7	6.7	6.8	6.4	6.5	6.7	6.3	6.5	6.7	160
165	9	9.1	9.3	8.1	7.9	7.9	6.1	6.4	6.6	6.5	6.5	6.7	6.1	6.3	6.5	6	6.3	6.5	165
170	8.7	8.9	9	7.8	7.7	7.7	5.8	6.1	6.3	6.3	6.3	6.5	5.8	6.1	6.3	5.7	6.1	6.3	170
175	8.3	8.5	8.7	7.6	7.5	7.6	5.6	5.8	6.1	6.2	6.2	6.3	5.6	5.8	6.1	5.5	5.8	6.1	175
180	8	8.2	8.4	7.4	7.3	7.4	5.3	5.6	5.8	6	6	6.2	5.3	5.6	5.8	5.2	5.6	5.8	180
185	7.7	7.9	8.1	7.2	7.2	7.3	5.1	5.3	5.5	5.8	5.8	6	5	5.3	5.6	4.8	5.3	5.6	185
190	7.3	7.6	7.8	6.9	7	7.1	4.8	5.1	5.3	5.6	5.7	5.8	4.8	5.1	5.3	4.5	5	5.3	190
195	6.7	7.3	7.5	6.6	6.8	7	4.5	4.8	5	5.4	5.5	5.7	4.5	4.8	5.1	4.2	4.7	5	195
200	6.2	6.9	7.1	6.3	6.6	6.7	4.2	4.5	4.7	5.2	5.3	5.5	4.3	4.6	4.8	3.8	4.4	4.7	200
205	5.9	6.2	6.5	5.8	6.3	6.5	4	4.3	4.5	5.1	5.2	5.3	4	4.4	4.6	3.5	4	4.3	205
210	5.6	5.8	5.9	5.2	6	6.2	3.7	4	4.2	4.9	5	5.2	3.8	4.1	4.3	3.2	3.7	3.9	210
215	5.4	5.6	5.6	4.7	5.4	5.7	3.4	3.7	3.9	4.7	4.9	5	3.5	3.8	4	2.9	3.3	3.6	215
220	5.1	5.3	5.4	4.1	4.8	5	3.1	3.4	3.6	4.2	4.7	4.8	3.2	3.6	3.7	2.6	3	3.2	220
225	4.6	5	5.1	3.6	4.2	4.4	2.9	3.2	3.2	3.7	4.4	4.6	3	3.3	3.4	2.3	2.7	2.9	225
230	4.1	4.6	4.5	3.1	3.7	3.7	2.6	2.9	2.9	3.2	3.9	4	2.8	3.1	3.2		2.4	2.5	230
235	3.7	4		2.6	3.1	3.1	2.4	2.6	2.6	2.8	3.3	3.5	2.5	2.8	2.9				235
240	3.2	3.5			2.6	2.6		2.4	2.3	2.3	2.8	2.9		2.6	2.6				240
245	2.8	3									2.3	2.3							245
250	2.3	2.5																	250

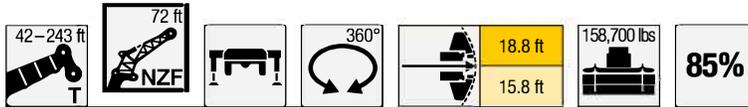


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib ↙ ↘	42 ft			134 ft			147 ft			160 ft			174 ft			187 ft			199 ft			Jib ↙ ↘	
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft							
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
17	43																					17	
18	43																					18	
19	43																					19	
20	42.7																					20	
22	41.6																					22	
24	40.3																					24	
26	39																					26	
28	37.7																					28	
30	36.3																					30	
32	35.1																					32	
34	33.7				32.5																	34	
36	32.1				31.9																	36	
38	30.4				31.3			29.9														38	
40	28.8				30.8			29.4			27.2											40	
45	25.5	19.1			29.3			28.1			26.3			23.9								45	
50	22.8	17.4			27.8			26.9			25.3			23.1		20.3				17.3		50	
55	20.5	16			26.4			25.7			24.3			22.4		19.9				17		55	
60	18.5	14.7			25.1			24.5			23.4			21.7		19.4				16.8		60	
65	16.7	13.6	11.3		23.9	15.8		23.5	15.7		22.5			20.9		19				16.5		65	
70	15.3	12.6	10.7		22.8	15.1		22.4	15		21.6	14.9		20.3		18.5				16.2		70	
75	14	11.7	10.1		21.6	14.4		21.5	14.4		20.8	14.3		19.6	14.5	18				15.8		75	
80	12.9	11	9.6		20.4	13.8	10.4	20.5	13.8		20	13.7		18.9	14	17.6	13.8			15.5		80	
85	11.9	10.3	9.3		19.4	13.3	10.1	19.5	13.3	10.1	19.2	13.2		18.3	13.6	17.1	13.4			15.2	12.6	85	
90	11	9.8	9		18.3	12.8	9.9	18.6	12.8	9.9	18.4	12.8	9.8	17.7	13.1	16.7	12.9			14.9	12.3	90	
95	10.2	9.3	8.7		17.4	12.3	9.7	17.8	12.4	9.7	17.7	12.3	9.6	17.1	12.7	16.3	12.6	9.9		14.6	11.9	95	
100	9.6	8.9	8.6		16.6	11.8	9.5	16.9	12	9.5	16.9	11.9	9.5	16.5	12.3	15.8	12.2	9.8		14.3	11.6	100	
105	9.1	8.6	8.6		15.8	11.4	9.3	16.2	11.6	9.3	16.2	11.5	9.3	16	11.9	15.4	11.8	9.6		13.9	11.3	9.4	105
110	8.7	8.5			15	11	9.2	15.5	11.2	9.2	15.5	11.2	9.2	15.5	11.6	15	11.5	9.5		13.5	11	9.3	110
115					14.4	10.7	9	14.8	10.8	9	14.9	10.8	9	15	11.3	14.6	11.2	9.4		13	10.7	9.2	115
120					13.8	10.4	8.9	14.1	10.5	8.9	14.4	10.5	8.9	14.5	11	14.3	10.9	9.3		12.6	10.5	9.1	120
125					13.2	10.1	8.8	13.6	10.2	8.8	13.8	10.2	8.8	14	10.7	13.9	10.7	9.2		12.1	10.3	9	125
130					12.6	9.8	8.7	13	10	8.7	13.2	10	8.7	13.5	10.4	13.5	10.4	9.1		11.7	10.1	8.9	130
135					12.1	9.6	8.6	12.5	9.7	8.6	12.8	9.8	8.6	13	10.2	12.9	10.2	9		11.2	9.9	8.9	135
140					11.6	9.4	8.5	12.1	9.5	8.6	12.3	9.6	8.5	12.4	10	12.4	10	8.9		10.8	9.7	8.8	140
145					11.2	9.2	8.5	11.6	9.3	8.5	11.8	9.4	8.5	11.9	9.8	11.9	9.8	8.8		10.4	9.6	8.7	145
150					10.7	9	8.4	11.2	9.1	8.4	11.4	9.2	8.4	11.5	9.6	11.4	9.6	8.8		10	9.4	8.7	150
155					10.4	8.8	8.4	10.8	9	8.4	11	9.1	8.4	11.1	9.5	10.9	9.5	8.7		9.6	9.3	8.6	155
160					10	8.7	8.4	10.4	8.8	8.4	10.7	8.9	8.3	10.8	9.3	10.4	9.3	8.7		9.2	9.1	8.6	160
165					9.7	8.6	8.4	10.1	8.7	8.4	10.4	8.8	8.3	10.5	9.2	9.9	9.2	8.7		8.8	8.9	8.5	165
170					9.5	8.5	8.4	9.8	8.6	8.4	10.1	8.6	8.3	10.1	9	9.7	9.5	9		8.5	8.6	8.5	170
175					9.2	8.4	8.4	9.6	8.5	8.4	9.7	8.5	8.3	9.5	8.9	9.1	8.9	8.6		8.2	8.4	8.4	175
180					9	8.3		9.3	8.4	8.4	9.4	8.4	8.3	8.8	8.6	8.7	8.8	8.6		7.8	8.1	8.2	180
185					8.8	8.3		9.1	8.3	8.4	9	8.3	8.3	8.1	8.4	8.1	8.6	8.6		7.5	7.8	8.1	185
190					8.7	8.3		8.9	8.3	8.4	8.5	8.3	8.3	7.8	8.3	7.4	8.3	8.5		7.2	7.5	7.8	190
195					8.5	8.3		8.4	8.3		7.9	8.2	8.3	7.4	7.9	8.1	7.7	7.9		6.7	7.2	7.5	195
200					6.8			7.8	8.2		7.2	8.1	8.2	7	7.4	7.6	7.3	7.7		6.1	6.9	7.1	200
205								7.2	7.7		6.6	7.4	7.4	6.5	7.1	7.2	6.1	6.6		5.6	6.6	6.8	205
210								6			6	6.7		5.9	6.7	6.8	5.8	6.1		5.3	6	6.5	210
215								3.5			5.4	6		5.3	6.1	6.1	5.3	5.8		5	5.4	5.8	215
220											4.9	5.3		4.8	5.5		4.8	5.5		4.8	5.1	5.2	220
225											3.5			4.3	4.8		4.3	5		4.4	4.8	4.9	225
230														3.8	4.2		4.1	4.4		3.9	4.6	4.6	230
235														3.6			4	4.1		3.5	4.2	4.2	235
240														3.4			3.8	3.9		3.2	3.6	3.6	240
245																	3.6	3.7		2.9	3.2		245
250																	3.5			2.7	2.9		250
255																				2.4	2.6		255

STERLING CRANE

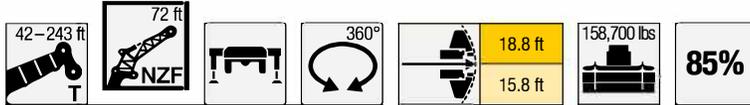


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Lift Height (ft)	213 ft			226 ft			230 ft			237 ft			243 ft			Lift Height (ft)
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
55	14															55
60	13.7			10.6			8.9			8.7						60
65	13.5			10.4			8.8			8.5			8.1			65
70	13.3			10.3			8.7			8.4			7.9			70
75	13.2			10.1			8.6			8.3			7.8			75
80	13			10			8.4			8.2			7.7			80
85	12.8			9.9			8.2			8.1			7.7			85
90	12.5	11.3		9.9			8			7.9			7.5			90
95	12.1	10.9		9.7	8.6		7.8	7.6		7.7			7.4			95
100	11.6	10.5		9.5	8.4		7.6	7.4		7.5	7.4		7.2	7.1		100
105	11.2	10.2		9.3	8.2		7.4	7.2		7.3	7.2		7	6.9		105
110	10.8	9.9	9.1	9	8	7.2	7.2	7		7.2	7		6.9	6.8		110
115	10.4	9.6	9	8.7	7.9	7.1	7	6.8	6.5	7	6.8	6.5	6.7	6.6		115
120	10.1	9.3	8.9	8.5	7.8	7	6.9	6.6	6.4	6.8	6.6	6.3	6.5	6.5	6.2	120
125	9.7	9.1	8.8	8.2	7.6	6.9	6.7	6.5	6.2	6.6	6.4	6.2	6.4	6.3	6.1	125
130	9.4	8.8	8.6	8	7.4	6.8	6.5	6.3	6.1	6.4	6.3	6	6.2	6.2	6	130
135	9.2	8.6	8.4	7.8	7.2	6.7	6.3	6.2	5.9	6.2	6.1	5.9	6	6	5.8	135
140	8.9	8.4	8.2	7.5	7.1	6.7	6.1	6	5.8	6	5.9	5.8	5.9	5.8	5.7	140
145	8.6	8.1	8	7.3	6.9	6.6	5.9	5.8	5.7	5.8	5.8	5.7	5.7	5.7	5.6	145
150	8.4	7.9	7.8	7.1	6.7	6.5	5.7	5.6	5.6	5.7	5.6	5.5	5.5	5.5	5.5	150
155	8.2	7.7	7.7	6.9	6.6	6.4	5.5	5.5	5.4	5.5	5.5	5.4	5.3	5.4	5.4	155
160	8	7.5	7.5	6.7	6.4	6.3	5.3	5.3	5.3	5.4	5.3	5.3	5.1	5.2	5.3	160
165	7.7	7.3	7.3	6.5	6.2	6.2	5.1	5.1	5.2	5.2	5.2	5.2	4.9	5.1	5.1	165
170	7.5	7.2	7.1	6.3	6.1	6.1	4.8	5	5.1	5	5	5.1	4.7	4.9	5	170
175	7.3	7	7	6.1	5.9	5.9	4.6	4.8	4.9	4.9	4.9	5	4.5	4.8	4.9	175
180	7	6.8	6.8	6	5.8	5.8	4.3	4.7	4.8	4.7	4.7	4.8	4.2	4.6	4.8	180
185	6.8	6.6	6.7	5.8	5.6	5.7	4.1	4.5	4.7	4.6	4.6	4.7	4	4.5	4.6	185
190	6.5	6.5	6.6	5.6	5.5	5.5	3.8	4.2	4.5	4.4	4.5	4.6	3.8	4.3	4.5	190
195	6.3	6.3	6.4	5.5	5.3	5.4	3.6	4	4.3	4.3	4.3	4.5	3.5	4.1	4.4	195
200	6	6.2	6.3	5.3	5.2	5.3	3.3	3.8	4.1	4.1	4.2	4.4	3.3	3.8	4.2	200
205	5.6	6	6.2	5.2	5.1	5.2	3.1	3.6	3.9	4	4.1	4.2	3.1	3.6	3.9	205
210	5.1	5.8	6	4.9	5	5.1	2.8	3.3	3.7	3.9	3.9	4.1	2.8	3.3	3.7	210
215	4.7	5.5	5.8	4.7	4.8	5	2.6	3.1	3.4	3.7	3.8	4	2.6	3.1	3.4	215
220	4.5	5	5.5	4.2	4.7	4.9	2.4	2.8	3.1	3.6	3.7	3.9	2.4	2.9	3.2	220
225	4.3	4.5	4.9	3.7	4.5	4.7			2.6	2.9	3.4	3.6	3.8	2.6	2.9	225
230	4	4.3	4.4	3.2	4.2	4.6			2.3	2.6	3.2	3.5	3.7	2.4	2.7	230
235	3.7	4.1	4.2	2.7	3.7	4.1				2.3	2.8	3.3	3.5		2.4	235
240	3.3	3.8	3.9	2.3	3.2	3.5					2.3	3.1	3.4			240
245	2.8	3.5	3.6		2.7	2.9						2.8	3.1			245
250	2.4	3	3			2.3						2.4	2.6			250
255		2.6														255

STERLING CRANE

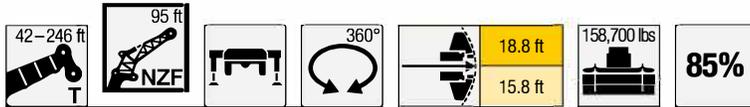


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib	42 ft 95 ft			134 ft 95 ft			147 ft 95 ft			160 ft 95 ft			174 ft 95 ft			187 ft 95 ft			199 ft 95 ft			Jib	
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
22	31.3																					22	
24	31.2																						24
26	30.5																						26
28	29.7																						28
30	28.8																						30
32	27.9																						32
34	27.1																						34
36	26.3																						36
38	25.5			23.6																			38
40	24.7			23.2			22.1																40
45	22.5			22.1			21.3			19.8													45
50	20			21			20.5			19.1			17.3			15.1							50
55	17.8			20			19.6			18.4			16.8			14.8			12.5				55
60	16.1	12.4		19			18.8			17.7			16.2			14.4			12.3				60
65	14.6	11.4		18.1			18			17.1			15.7			14.1			12.1				65
70	13.1	10.5		17.2			17.2			16.4			15.2			13.7			11.8				70
75	12	9.7		16.4	10.5		16.5			15.8			14.7			13.3			11.6				75
80	11	9.2		15.5	10		15.8	10.7		15.2			14.2			12.9			11.3				80
85	10.2	8.6	7.5	14.6	9.6		15.2	10.2		14.6	10.1		13.8	9.8		12.6			11.1				85
90	9.4	8.2	7.2	13.8	9.3		14.6	9.8		14.1	9.8		13.3	9.6		12.2	9.2		10.8				90
95	8.8	7.7	6.9	13.1	8.9		13.9	9.5		13.6	9.4		12.9	9.3		11.9	9		10.6				95
100	8.2	7.3	6.6	12.4	8.6	6.8	13.3	9.2		13.1	9.1		12.4	9		11.5	8.8		10.3	8.4			100
105	7.8	7	6.3	11.7	8.4	6.7	12.7	8.9	7.1	12.5	8.9		12	8.7		11.2	8.5		10.1	8.2			105
110	7.3	6.7	6.1	11.2	8.1	6.5	12.1	8.6	6.9	12	8.6	6.9	11.6	8.5		10.9	8.3		9.9	8			110
115	6.9	6.4	5.9	10.6	7.8	6.4	11.6	8.4	6.8	11.6	8.4	6.7	11.2	8.3	6.7	10.5	8.1	6.6	9.7	7.8			115
120	6.6	6.1	5.8	10.1	7.6	6.2	11.1	8.1	6.6	11.1	8.1	6.6	10.8	8.1	6.6	10.3	7.9	6.5	9.5	7.6			120
125	6.2	5.9	5.8	9.7	7.4	6.1	10.6	7.9	6.5	10.6	7.9	6.5	10.4	7.9	6.5	10	7.7	6.4	9.3	7.5	6.3		125
130	5.9	5.7		9.3	7.2	6	10.1	7.7	6.4	10.2	7.7	6.4	10.1	7.7	6.4	9.7	7.5	6.3	9.1	7.3	6.2		130
135	5.7			8.9	7	5.9	9.7	7.5	6.3	9.9	7.5	6.3	9.7	7.5	6.2	9.5	7.4	6.2	8.9	7.2	6.1		135
140				8.6	6.8	5.8	9.4	7.3	6.2	9.5	7.4	6.2	9.4	7.3	6.1	9.2	7.2	6.1	8.7	7	6		140
145				8.3	6.6	5.7	9	7.1	6.1	9.2	7.2	6.1	9.1	7.1	6.1	9	7	6	8.6	6.9	5.9		145
150				8	6.5	5.7	8.7	7	6	8.9	7	6	8.9	7	6	8.7	6.9	6	8.4	6.8	5.9		150
155				7.8	6.3	5.6	8.5	6.8	5.9	8.6	6.9	5.9	8.6	6.8	5.9	8.5	6.8	5.9	8.2	6.6	5.8		155
160				7.5	6.2	5.6	8.2	6.6	5.9	8.3	6.7	5.9	8.4	6.7	5.9	8.3	6.6	5.8	7.9	6.5	5.7		160
165				7.3	6	5.5	7.9	6.5	5.8	8.1	6.6	5.8	8.1	6.6	5.8	8	6.5	5.8	7.7	6.4	5.7		165
170				7	5.9	5.5	7.7	6.4	5.8	7.9	6.4	5.8	7.9	6.4	5.8	7.8	6.4	5.7	7.5	6.3	5.7		170
175				6.8	5.8	5.5	7.5	6.2	5.8	7.6	6.3	5.7	7.7	6.3	5.7	7.7	6.3	5.7	7.3	6.2	5.6		175
180				6.6	5.7	5.5	7.3	6.1	5.7	7.4	6.2	5.7	7.5	6.2	5.7	7.5	6.2	5.6	7	6.1	5.6		180
185				6.4	5.6	5.5	7.1	6	5.7	7.2	6.1	5.7	7.3	6.1	5.7	7.3	6.1	5.6	6.8	6	5.6		185
190				6.3	5.5	5.5	6.9	5.9	5.7	7	6	5.7	7.1	6	5.6	7.1	6	5.6	6.5	5.9	5.5		190
195				6.1	5.5	5.5	6.7	5.9	5.7	6.8	5.9	5.7	6.9	5.9	5.6	6.8	5.9	5.6	6.2	5.8	5.5		195
200				6	5.4		6.5	5.8	5.7	6.7	5.8	5.7	6.7	5.8	5.6	6.4	5.8	5.6	5.9	5.8	5.5		200
205				5.8	5.4		6.3	5.7	5.7	6.5	5.7	5.7	6.2	5.8	5.6	5.8	5.8	5.6	5.7	5.7	5.5		205
210				5.7	5.4		6.2	5.7	5.7	6.3	5.7	5.7	5.9	5.7	5.6	5.2	5.7	5.6	5.2	5.6	5.5		210
215				5.6	5.4		6	5.6		6	5.6	5.7	5.6	5.6	5.6	5	5.6	5.6	4.6	5.4	5.5		215
220				5.5			5.9	5.6		5.5	5.6	5.7	5.2	5.5	5.6	4.8	5.4	5.6	4.3	5.3	5.4		220
225				3.7			5.5	5.6		4.9	5.6		4.6	5.4	5.6	4.5	4.9	5.6	4	4.9	5.3		225
230							5	5.5		4.4	5.3		4.1	5.1	5.3	4.1	4.6	4.8	3.7	4.4	5		230
235							3.5			4	4.6		3.7	4.6		3.6	4.4	4.5	3.5	3.9	4.4		235
240										3.5	4.1		3.2	4		3.1	4.1	4.2	3.2	3.7	3.9		240
245										2.9			2.8	3.5		2.9	3.6	3.2	2.8	3.4	3.6		245
250													2.5	2.9		2.8	3.1		2.4	3.2	3.3		250
255													2.3	2.4		2.6	2.8			2.8	2.9		255
260																2.5	2.6			2.4			260
265																2.3	2.5						265

STERLING CRANE

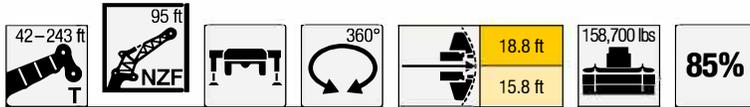


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib Length	213 ft			226 ft			230 ft			237 ft			243 ft			Jib Length
	95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
60	10															60
65	9.8			7.9			6.6									65
70	9.7			7.8			6.5			6.3			5.9			70
75	9.6			7.7			6.4			6.2			5.8			75
80	9.5			7.6			6.4			6.2			5.8			80
85	9.4			7.5			6.3			6.1			5.7			85
90	9.3			7.4			6.2			6			5.6			90
95	9.2			7.3			6.1			5.9			5.5			95
100	9.1			7.3			6			5.9			5.4			100
105	9	7.7		7.2			5.9			5.8			5.4			105
110	8.8	7.6		7.2	6		5.8			5.7			5.4			110
115	8.6	7.4		7.1	5.8		5.6	5.4		5.5	5.3		5.3			115
120	8.3	7.3		6.9	5.7		5.5	5.2		5.4	5.2		5.2	5		120
125	8.1	7.1		6.7	5.6		5.3	5		5.3	5		5	4.9		125
130	7.8	7	6	6.5	5.4		5.2	4.9		5.1	4.9		4.9	4.8		130
135	7.6	6.9	5.9	6.4	5.3	4.7	5	4.8		5	4.7		4.8	4.7		135
140	7.4	6.7	5.9	6.2	5.2	4.6	4.9	4.6	4.4	4.8	4.6	4.4	4.6	4.5		140
145	7.2	6.6	5.8	6	5.1	4.5	4.7	4.5	4.3	4.7	4.5	4.3	4.5	4.4	4.2	145
150	7	6.5	5.7	5.8	5	4.5	4.6	4.4	4.2	4.5	4.4	4.2	4.3	4.3	4.1	150
155	6.7	6.3	5.7	5.6	4.9	4.4	4.4	4.2	4.1	4.4	4.2	4.1	4.2	4.2	4	155
160	6.5	6.1	5.6	5.5	4.8	4.3	4.2	4.1	4	4.2	4.1	4	4.1	4.1	3.9	160
165	6.3	6	5.6	5.3	4.7	4.3	4	4	3.9	4.1	4	3.9	3.9	4	3.8	165
170	6.2	5.8	5.5	5.1	4.6	4.2	3.9	3.9	3.8	3.9	3.9	3.8	3.7	3.9	3.7	170
175	6	5.6	5.5	5	4.6	4.2	3.7	3.8	3.7	3.8	3.8	3.7	3.5	3.7	3.6	175
180	5.8	5.5	5.4	4.8	4.5	4.2	3.4	3.7	3.6	3.6	3.7	3.6	3.2	3.6	3.6	180
185	5.6	5.3	5.3	4.7	4.4	4.1	3.2	3.6	3.5	3.5	3.6	3.5	3	3.5	3.5	185
190	5.5	5.2	5.2	4.5	4.3	4.1	3	3.5	3.4	3.3	3.4	3.4	2.8	3.4	3.4	190
195	5.3	5.1	5.1	4.4	4.2	4.1	2.7	3.3	3.4	3.2	3.3	3.4	2.6	3.2	3.3	195
200	5.1	4.9	5	4.2	4.1	4	2.5	3.2	3.3	3.1	3.2	3.3	2.4	3	3.3	200
205	5	4.8	4.9	4.1	4	4	2.3	3	3.2	2.9	3.1	3.2	2.2	2.8	3.2	205
210	4.8	4.7	4.8	4	3.9	3.9		2.8	3.1	2.8	3	3.1		2.6	3	210
215	4.5	4.6	4.7	3.9	3.7	3.8		2.5	2.9	2.6	2.8	3		2.5	2.9	215
220	4.1	4.5	4.6	3.7	3.6	3.8		2.3	2.7	2.5	2.7	2.9		2.3	2.7	220
225	3.6	4.3	4.5	3.5	3.5	3.7			2.5	2.4	2.6	2.8			2.5	225
230	3.3	4.2	4.4	3.2	3.4	3.6			2.3	2.2	2.5	2.7			2.3	230
235	3.1	4	4.2	2.8	3.4	3.5					2.3	2.6				235
240	2.9	3.5	4	2.4	3.2	3.4					2.2	2.5				240
245	2.7	3.1	3.6		3.1	3.3						2.4				245
250	2.5	2.9	3.1		2.7	3.1						2.3				250
255		2.6	2.8		2.3	2.8										255
260		2.4	2.5			2.3										260
265			2.2													265

STERLING CRANE

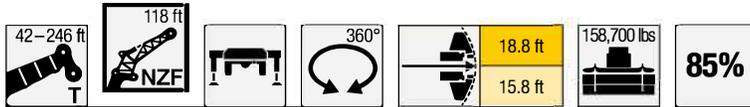


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Jib ↙ ↘	42 ft			134 ft			147 ft			160 ft			174 ft			187 ft			199 ft			Jib ↙ ↘
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	22.9																					24
26	22.9																					26
28	22.8																					28
30	22.4																					30
32	21.9																					32
34	21.4																					34
36	21																					36
38	20.5																					38
40	20																					40
45	18.8			16.8			15.9															45
50	17.1			16.1			15.3			14.2												50
55	15.3			15.5			14.7			13.7			12.4			10.8						55
60	13.7			14.8			14.2			13.2			12			10.6			9.1			60
65	12.4			14.1			13.6			12.8			11.7			10.3			9			65
70	11.2	8.9		13.5			13			12.3			11.3			10.1			8.8			70
75	10.3	8.3		12.9			12.5			11.8			10.9			9.8			8.7			75
80	9.4	7.8		12.2			11.9			11.4			10.5			9.6			8.5			80
85	8.7	7.3		11.7			11.4			10.9			10.2			9.3			8.4			85
90	8.1	6.9		11.2	7.7		11			10.5			9.9			9.1			8.2			90
95	7.5	6.5		10.6	7.4		10.5	7.4		10.1	7.3		9.6			8.9			8			95
100	7.1	6.1		10.1	7.1		10.1	7.1		9.8	7.1		9.3	6.9		8.7			7.8			100
105	6.6	5.7	5	9.7	6.9		9.7	6.9		9.5	6.8		9	6.7		8.5	6.5		7.7			105
110	6.2	5.4	4.8	9.2	6.6		9.3	6.6		9.2	6.6		8.8	6.5		8.3	6.3		7.5			110
115	5.8	5.1	4.6	8.8	6.4		8.9	6.4		8.8	6.4		8.5	6.3		8	6.1		7.4	5.9		115
120	5.5	4.9	4.4	8.5	6.2	4.8	8.6	6.2		8.5	6.2		8.3	6.1		7.8	6		7.2	5.7		120
125	5.2	4.6	4.2	8.1	6	4.7	8.2	6	4.7	8.2	6		8	5.9		7.6	5.8		7	5.6		125
130	4.9	4.4	4	7.8	5.8	4.6	7.9	5.8	4.6	7.9	5.8	4.5	7.8	5.7		7.4	5.6		6.9	5.4		130
135	4.6	4.2	3.9	7.4	5.6	4.5	7.6	5.6	4.5	7.6	5.6	4.4	7.5	5.6	4.4	7.2	5.5		6.7	5.3		135
140	4.3	4	3.8	7.2	5.4	4.4	7.3	5.5	4.4	7.4	5.5	4.3	7.3	5.4	4.3	7	5.3	4.2	6.6	5.1		140
145	4.1	3.9	3.7	6.9	5.2	4.3	7.1	5.3	4.3	7.1	5.3	4.3	7.1	5.3	4.2	6.8	5.2	4.2	6.4	5	4.1	145
150	3.9	3.7		6.6	5.1	4.2	6.8	5.1	4.2	6.9	5.2	4.2	6.8	5.1	4.2	6.6	5	4.1	6.2	4.9	4	150
155	3.8	3.7		6.4	4.9	4.1	6.5	5	4.1	6.6	5	4.1	6.6	5	4.1	6.5	4.9	4	6.1	4.8	3.9	155
160				6.1	4.8	4	6.3	4.9	4	6.4	4.9	4	6.4	4.9	4	6.3	4.8	4	5.9	4.7	3.9	160
165				5.9	4.6	3.9	6.1	4.7	4	6.2	4.8	4	6.2	4.8	3.9	6.1	4.7	3.9	5.8	4.6	3.8	165
170				5.7	4.5	3.9	5.9	4.6	3.9	6	4.6	3.9	6	4.7	3.9	5.9	4.6	3.8	5.7	4.5	3.8	170
175				5.5	4.4	3.8	5.7	4.5	3.8	5.8	4.5	3.8	5.8	4.5	3.8	5.8	4.5	3.8	5.5	4.4	3.7	175
180				5.3	4.3	3.8	5.5	4.4	3.8	5.6	4.4	3.8	5.6	4.4	3.8	5.6	4.4	3.7	5.4	4.3	3.7	180
185				5.1	4.2	3.7	5.3	4.3	3.8	5.4	4.3	3.8	5.5	4.3	3.7	5.5	4.3	3.7	5.3	4.2	3.7	185
190				4.9	4.1	3.7	5.2	4.2	3.7	5.3	4.2	3.7	5.3	4.2	3.7	5.3	4.2	3.7	5.1	4.1	3.6	190
195				4.8	4	3.7	5	4.1	3.7	5.1	4.1	3.7	5.2	4.1	3.7	5.2	4.1	3.6	5	4	3.6	195
200				4.6	3.9	3.7	4.8	4	3.7	5	4	3.6	5	4.1	3.6	5	4	3.6	4.9	4	3.6	200
205				4.5	3.8	3.7	4.7	3.9	3.7	4.8	3.9	3.6	4.9	4	3.6	4.9	4	3.6	4.7	3.9	3.5	205
210				4.3	3.8	3.7	4.5	3.8	3.7	4.7	3.9	3.6	4.7	3.9	3.6	4.8	3.9	3.5	4.6	3.8	3.5	210
215				4.2	3.7	3.7	4.4	3.8	3.7	4.5	3.8	3.6	4.6	3.8	3.6	4.6	3.8	3.5	4.4	3.8	3.5	215
220				4.1	3.7		4.3	3.7	3.7	4.4	3.7	3.6	4.5	3.8	3.6	4.3	3.8	3.5	4	3.7	3.5	220
225				4	3.6		4.2	3.7	3.7	4.3	3.7	3.6	4.3	3.7	3.6	3.9	3.7	3.5	3.6	3.7	3.5	225
230				3.9	3.6		4.1	3.6	3.7	4.1	3.6	3.6	4.2	3.7	3.6	3.6	3.6	3.5	3.2	3.6	3.5	230
235				3.8	3.6		3.9	3.6		4.1	3.6	3.6	3.9	3.6	3.6	3.4	3.6	3.5	2.8	3.6	3.5	235
240				3.7	3.6		3.8	3.6		3.8	3.6	3.6	3.4	3.6	3.6	3.2	3.5	3.5	2.6	3.5	3.5	240
245				3.6			3.8	3.6		3.4	3.5		3	3.5	3.6	2.8	3.4	3.5	2.3	3.3	3.5	245
250							3.6	3.6		2.9	3.5		2.6	3.5	3.6	2.4	3.2	3.5		2.9	3.5	250
255							2.8			2.5	3.3			3.2		3	3.2			2.5	3.2	255
260											2.8			2.7			2.7	2.9		2.2	2.6	260
265														2.2			2.3			2.2		265

STERLING CRANE

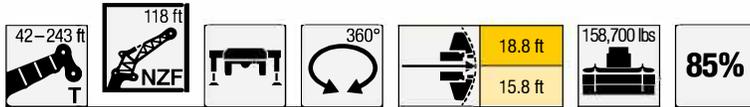


LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF



Reach ft	213 ft 118 ft			226 ft 118 ft			237 ft 118 ft			Reach ft
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
65	7.5									65
70	7.4			5.8						70
75	7.3			5.7			4.4			75
80	7.2			5.6			4.4			80
85	7.1			5.6			4.4			85
90	7.1			5.5			4.4			90
95	7			5.4			4.3			95
100	6.9			5.4			4.3			100
105	6.8			5.3			4.2			105
110	6.7			5.3			4.1			110
115	6.5			5.2			4.1			115
120	6.4	5.4		5.2			4			120
125	6.3	5.2		5.1	4.1		3.9			125
130	6.2	5.1		5	3.9		3.8			130
135	6.1	5		4.9	3.8		3.6	3.4		135
140	5.9	4.9		4.7	3.7		3.5	3.3		140
145	5.8	4.8		4.6	3.6		3.3	3.2		145
150	5.6	4.7	3.9	4.4	3.5		3.2	3.1		150
155	5.5	4.6	3.8	4.3	3.5	2.9	3.1	2.9		155
160	5.3	4.5	3.8	4.1	3.4	2.9	2.9	2.8		160
165	5.1	4.4	3.7	4	3.3	2.8	2.8	2.7	2.6	165
170	5	4.3	3.7	3.9	3.2	2.8	2.7	2.6	2.6	170
175	4.8	4.2	3.6	3.7	3.1	2.7	2.5	2.5	2.5	175
180	4.7	4.1	3.6	3.6	3.1	2.6	2.4	2.4	2.5	180
185	4.5	4.1	3.6	3.4	3	2.6	2.2	2.3	2.4	185
190	4.4	4	3.5	3.3	2.9	2.6		2.2	2.3	190
195	4.2	3.9	3.5	3.2	2.9	2.5			2.3	195
200	4.1	3.8	3.5	3	2.8	2.5				200
205	3.9	3.7	3.5	2.9	2.7	2.5				205
210	3.8	3.6	3.5	2.8	2.7	2.5				210
215	3.6	3.5	3.4	2.7	2.6	2.4				215
220	3.4	3.4	3.4	2.5	2.5	2.4				220
225	3.2	3.3	3.3	2.4	2.4	2.4				225
230	3	3.2	3.3	2.3	2.3	2.4				230
235	2.6	3.1	3.2	2.2	2.2	2.3				235
240		3	3.1			2.3				240
245		2.9	3.1			2.3				245
250		2.7	3							250
255		2.4	2.9							255
260			2.7							260
265			2.3							265

STERLING CRANE



LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Lifting capacities Forces de levage

TNZF

42-246 ft

141 ft

TNZF

360°

18.8 ft

15.8 ft

158,700 lbs

85%

	42 ft			134 ft			147 ft			160 ft			174 ft			187 ft			199 ft			213 ft		226 ft	
	141 ft		141 ft																						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	0°	
28	17.4																							28	
30	17.4																								30
32	17.4																								32
34	17.1																								34
36	16.8																								36
38	16.4																								38
40	16.1																								40
45	15.2				12.8																				45
50	14.4				12.3			11.6																	50
55	13.6				11.8			11.2		10.3		9.3													55
60	12.5				11.3			10.7		10		9.1		8.1											60
65	11.3				10.8			10.3		9.7		8.9		8		6.9									65
70	10.3				10.3			9.9		9.4		8.6		7.8		6.7									70
75	9.4				9.9			9.5		9.1		8.4		7.6		6.6			5.4			3.8			75
80	8.6				9.5			9.2		8.8		8.2		7.4		6.5			5.3			3.8			80
85	8	6.6			9.1			8.9		8.5		7.9		7.2		6.3			5.2			3.8			85
90	7.4	6.1			8.8			8.5		8.2		7.7		7		6.2			5.2			3.8			90
95	6.8	5.7			8.4			8.2		7.9		7.5		6.8		6.1			5.1			3.8			95
100	6.4	5.3			8.1			7.9		7.7		7.2		6.7		5.9			5.1			3.8			100
105	5.9	5			7.7	5.3		7.6	5.3	7.4		7		6.5		5.8			5			3.7			105
110	5.5	4.7			7.4	5.1		7.4	5.1	7.2	5	6.8		6.3		5.6			4.9			3.7			110
115	5.1	4.4			7.1	4.9		7.1	4.9	6.9	4.8	6.6	4.7	6.1		5.5			4.8			3.6			115
120	4.8	4.1			6.7	4.7		6.8	4.7	6.6	4.6	6.4	4.5	5.9	4.4	5.4			4.7			3.5			120
125	4.5	3.9	3.4		6.4	4.5		6.5	4.5	6.4	4.5	6.1	4.4	5.8	4.2	5.2			4.6			3.4			125
130	4.2	3.6	3.2		6.2	4.3		6.2	4.3	6.2	4.3	5.9	4.2	5.6	4.1	5.1	3.9		4.5			3.2			130
135	3.9	3.4	3		5.9	4.1		6	4.2	5.9	4.1	5.7	4.1	5.4	4	5	3.8		4.4	3.5		3.1			135
140	3.7	3.2	2.8		5.6	4	3	5.7	4	5.7	4	5.5	3.9	5.2	3.8	4.8	3.7		4.2	3.4		3			140
145	3.4	3	2.6		5.4	3.8	2.9	5.5	3.9	5.5	3.8	5.3	3.8	5.1	3.7	4.7	3.5		4.1	3.3		2.9			145
150	3.2	2.8	2.4		5.1	3.7	2.8	5.3	3.7	5.3	3.7	5.2	3.7	4.9	3.6	4.5	3.4		4	3.2		2.8			150
155	3	2.6	2.3		4.9	3.5	2.7	5	3.6	5.1	3.6	5	3.5	4.7	3.5	4.4	3.3		3.9	3.1		2.7			155
160	2.8	2.4			4.7	3.4	2.6	4.8	3.4	4.9	3.5	4.8	3.4	4.6	3.4	4.3	3.2		3.8	3		2.6			160
165	2.6	2.3			4.5	3.3	2.5	4.6	3.3	4.7	3.3	4.6	3.3	4.4	3.3	4.2	3.1	2.4	3.6	2.9		2.5			165
170	2.5				4.3	3.2	2.5	4.4	3.2	4.5	3.2	4.5	3.2	4.3	3.1	4	3	2.3	3.5	2.8		2.4			170
175	2.3				4.1	3.1	2.4	4.3	3.1	4.3	3.1	4.3	3.1	4.2	3	3.9	2.9	2.3	3.4	2.8		2.2			175
180					4	2.9	2.3	4.1	3	4.2	3	4.2	3	4	3	3.8	2.8	2.2	3.2	2.7					180
185					3.8	2.8	2.3	3.9	2.9	4	2.9	4	2.9	3.9	2.9	3.7	2.8		3.1	2.6					185
190					3.6	2.7	2.2	3.8	2.8	3.8	2.8	3.8	2.8	3.8	2.8	3.6	2.7		2.9	2.5					190
195					3.5	2.7		3.6	2.7	3.7	2.7	3.7	2.7	3.7	2.7	3.5	2.6		2.8	2.5					195
200					3.3	2.6		3.4	2.6	3.6	2.7	3.6	2.7	3.5	2.6	3.4	2.5		2.7	2.4					200
205					3.2	2.5		3.3	2.5	3.4	2.6	3.5	2.6	3.4	2.5	3.3	2.5		2.6	2.4					205
210					3.1	2.4		3.2	2.4	3.3	2.5	3.4	2.5	3.3	2.5	3.2	2.4		2.4	2.3					210
215					2.9	2.3		3.1	2.4	3.2	2.4	3.2	2.4	3.2	2.4	3	2.3		2.3	2.2					215
220					2.8	2.2		3	2.3	3	2.3	3.1	2.3	3.1	2.3	2.9	2.3								220
225					2.7			2.9	2.2	2.9	2.3	3	2.3	3	2.3	2.8	2.2								225
230					2.6			2.7		2.8	2.2	2.9	2.2	2.9	2.2	2.6									230
235					2.5			2.6		2.7		2.8		2.7		2.3									235
240					2.4			2.5		2.7		2.7		2.3											240
245					2.3			2.5		2.5		2.6													245
250					2.2			2.4		2.4		2.4													250
255								2.3		2.4															255
260								2.2																	260



LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1230-5.1 - 275 TON CAPACITY

Remarks

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 30 ft/s (9 m/s, 20 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 centre.
6. The stated lengths of the telescopic boom are maximum values and may deviate slightly.
7. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
8. Subject to modification of lifting capacities.
9. Lifting capacities above 295,400 lbs/332,900 lbs only with additional pulley block/special equipment.
10. 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.

Remarques

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)(s) sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les forces de levage sont données en kips.
4. Les poids des moufles et crochets doit être soustrait des charges indiquées.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.
7. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
8. Charges données sous réserve de modification.
9. Forces de levage plus de 295,400 lbs/332,900 seulement avec moufle additionnel/équipement supplémentaire.
10. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Proposition 65



WARNING: This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information see: www.P65warnings.ca.gov/diesel