

Mobile Crane/Grue mobile

LTM 1650-8.1

Preliminary
Préliminaire



The maximum on 8 axles



770 US t



**177 ft
263 ft**



361 ft



502 ft



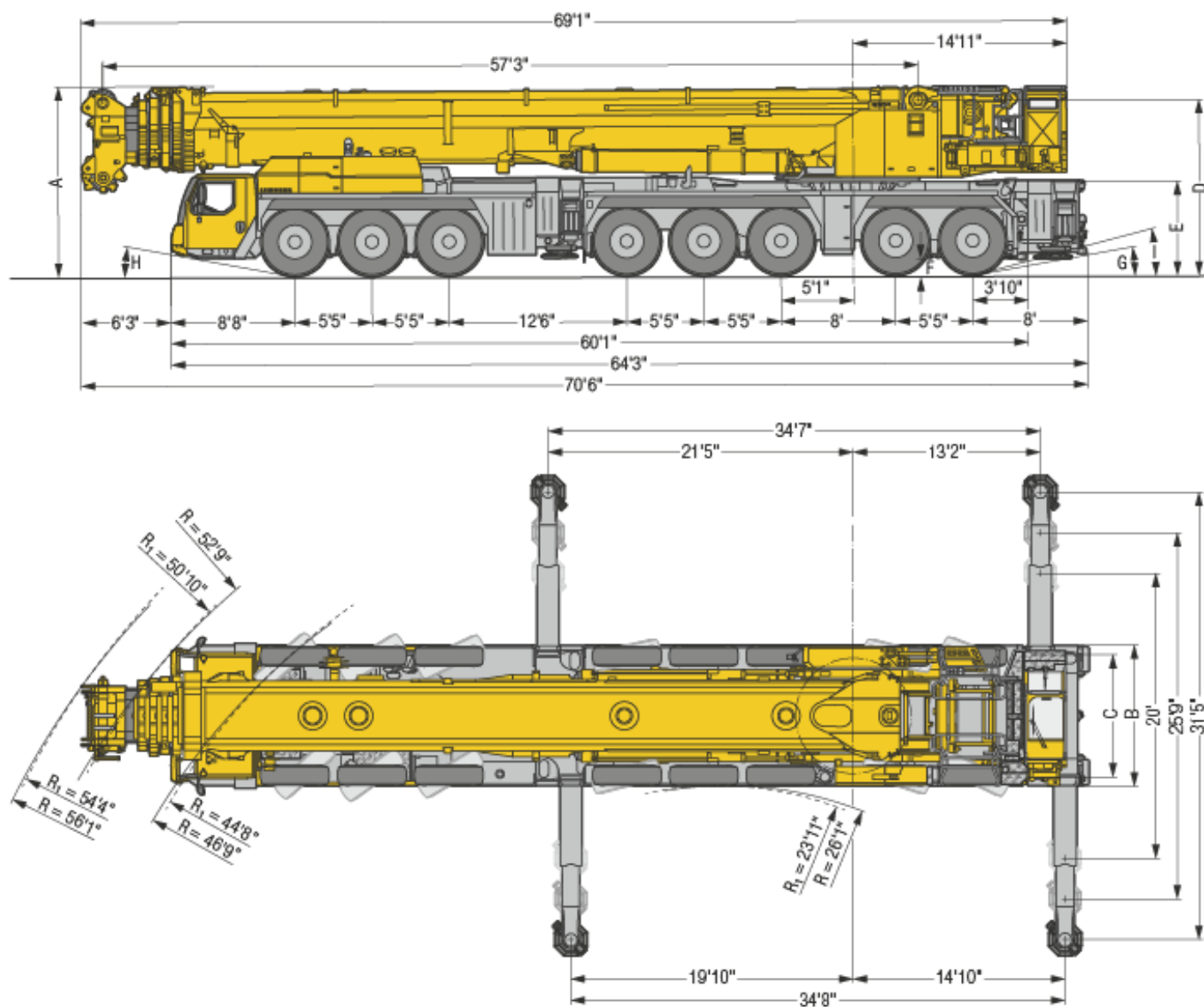
LIEBHERR

T3



Dimensions/Encombrement

* lowered + abaissé



US3276.01

R_1 = All-wheel steering - Direction toutes roues

Dimensions/Encombrement

	A	A 5" *	B	C	D	E	F	G	H	I
445/95 R 25 (16.00 R 25)	13'1"	12'9"	9'10"	8'4"	12'2"	6'5"	1'1"	10"	10"	16"
525/80 R 25 (20.5 R 25)	13'1"	12'9"	10'2"	8'5"	12'2"	6'5"	1'1"	10"	10"	16"

* lowered - abaissé

Weights Poids

Hook block/ Moufles à crochet

			
526,900 lb	11	22	10,140 lb
465,175 lb	9	19	9,260 lb
377,000 lb	7	15	8,820 lb
284,400 lb	5	11	7,720 lb
187,390 lb	3	7	6,610 lb
82,450 lb	1	3	3,860 lb
27,560 lb	–	1	1,545 lb

Working speeds

Vitesses

Crane carrier/Châssis porteur



	 min. мин.	 max. макс.	 %	
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	1.15	53	39.5 %	12 / R2

Theoretical gradeability/Aptitude théorique en pente

Crane superstructure/Partie tournante

			 F
 0 – 427 ft/min single line m/min au brin simple	0.98"	2.100 ft	28,325 lb
 0 – 476 ft/min single line m/min au brin simple	0.98"	2.430 ft	28,325 lb
 0 – 430 ft/min single line m/min au brin simple	0.98"	3.700 ft	31,473 lb
 0 – 1 rpm			
 approx. 80 seconds to reach 84° boom angle env. 80 s jusqu'à 84°			
 approx. 370/670 seconds for boom extension from 55 ft – 177 ft / 57 ft – 263 ft env. 370/670 s pour passer de 55 ft – 177 ft / 57 ft – 263 ft			

Lifting capacities Forces de levage

T3

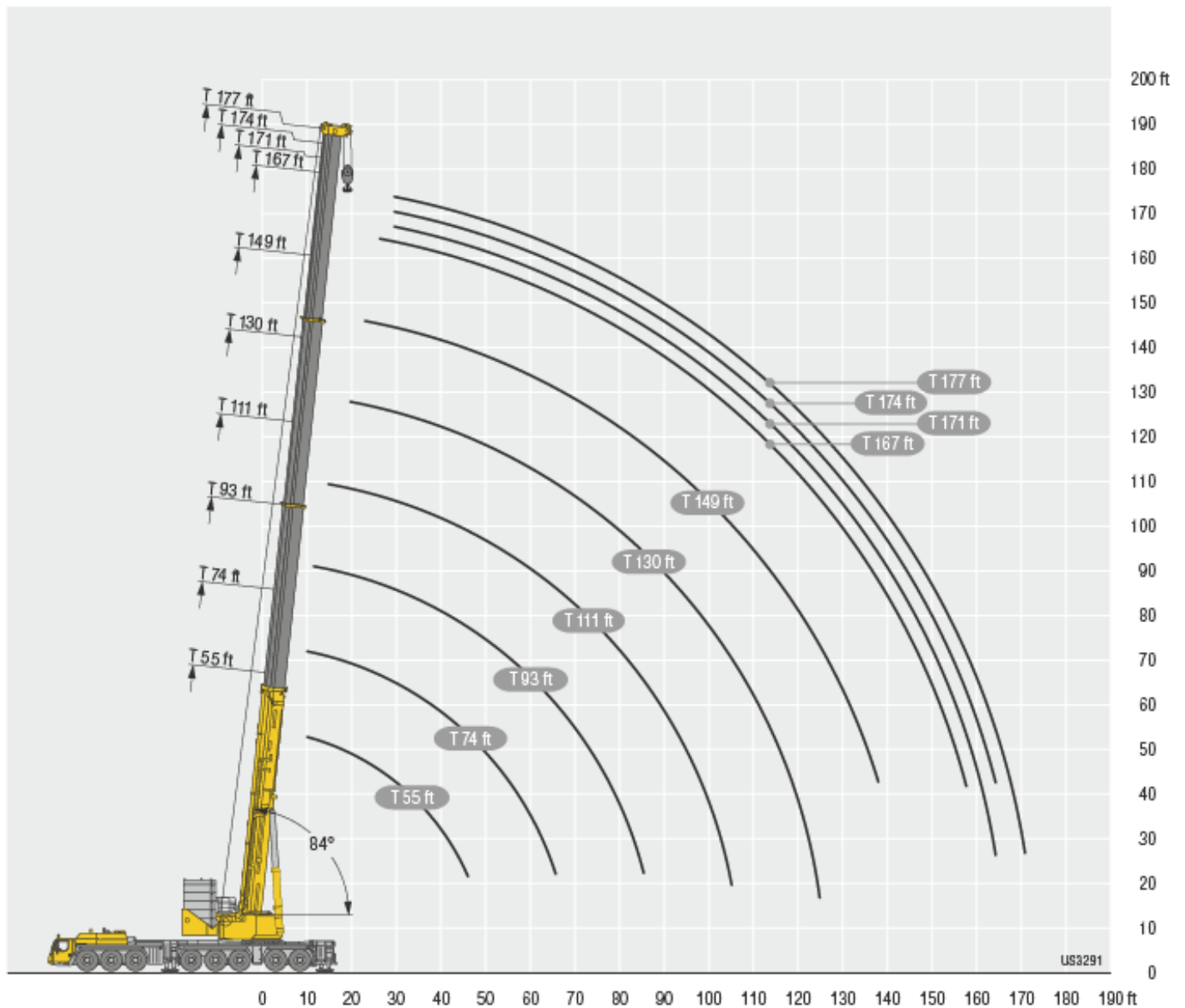
55-177 ft T3 360° 341,700 lb 21.0 ft 24.3 ft 27.6 ft 385,800 lb 21.0 ft 24.3 ft 85% Preliminary Préliminaire											
	55 ft	74 ft	93 ft	111 ft	130 ft	149 ft	167 ft	171 ft	174 ft	177 ft	
10	1541	527.6	527.6								10
11	1265	527.6	527.6								11
12	1073	527.6	527.6	527.6							12
13	938.6	527.6	527.6	527.6							13
14	832	527.6	527.6	527.6							14
15	726.9	527.6	527.6	527.6	490.7						15
16	661.6	527.6	527.6	527.6	495.5						16
17	558.3	527.6	527.6	527.6	500.1						17
18	527.6	527.6	527.6	527.6	504.3						18
19	527.6	527.6	527.6	527.6	503.4	394.8					19
20	527.6	527.6	527.6	526.1	494	385.8					20
22	527.6	520.6	525.5	513.2	477.7	367.9	281.4				22
24	527.6	493.8	495.4	485.8	454.9	351.3	301				24
26	513.3	471.8	469.5	460.5	431.4	335.6	290				26
28	490.3	446.7	446.4	437.7	410.2	320.8	279.5	231.1	223.6	208.8	204.3
30	468.9	423.8	425.5	417.8	390.6	307.4	269.3	224.4	217.4	203.7	199.3
32	449.3	403.1	404.9	398.3	372.8	294.6	259.6	217.9	211.3	198.7	194.1
34	431.2	384.2	386.1	385	356	282.7	250.6	211.7	205.4	193.7	188.9
36	414.3	366.8	368.8	368.5	340.5	271.7	241.9	205.6	199.8	189.1	184
38	398.7	350.8	352.9	352.9	326.1	261.3	233.9	199.6	194.2	184.6	179.1
40	384.1	336.1	338.1	338.3	313.7	251.6	226.1	194.1	189	180.2	174.2
45	340.9	317.4	314.5	306	284	229.8	208.2	181.2	176.8	170	163.3
50	235.6	235.6	288.9	278.9	260.7	214.1	192.2	169.6	165.6	160.6	153.2
55			258.9	259.4	238.6	200.6	178.4	159.1	155.6	151.4	144
60			234.1	234.4	219.8	188.8	166.1	149.7	146.6	142.7	135.8
65			213.1	213.2	202.9	177.4	155	140.9	138.3	134.7	128.2
70				194.7	188.1	167.7	145.4	132.6	130.7	127.6	121.4
75				178.1	175.2	158.3	136	124.9	123.2	120.8	115
80				163.8	161	150.3	128.1	118.1	116.9	114.6	109.2
85				150.9	148.6	142.9	120.5	111.5	110.5	108.7	104.1
90					137.7	136.3	113.7	105.5	104.5	103	99.1
95					128.1	130	107.4	100.2	99.4	97.9	94.4
100					119.1	121.8	101.6	95.1	94.3	93.1	90.4
105					107.7	113.6	96.2	90.6	89.8	88.6	86.4
110						106.3	91.9	86.1	85.6	84.5	82.7
115						99.8	88	82	81.6	80.5	79.2
120						94	84.5	78	77.8	76.8	75.8
125						71.2	81.2	74.4	74.1	73.3	72.4
130							78.4	70.9	70.8	70	69
135							75.8	67.8	67.6	66.9	66
140								64.9	64.7	64	63.2
145								62.2	62	61.3	60.5
150								59.7	59.4	58.9	58
155								57.4	57.2	56.5	55.7
160								55.5	55.1	54.4	53.5
165									45.6	52.5	51.5
170											49.4

* over rear - en arrière

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Lifting heights Hauteurs de levage

T3



Lifting capacities Forces de levage

T3Y



85%

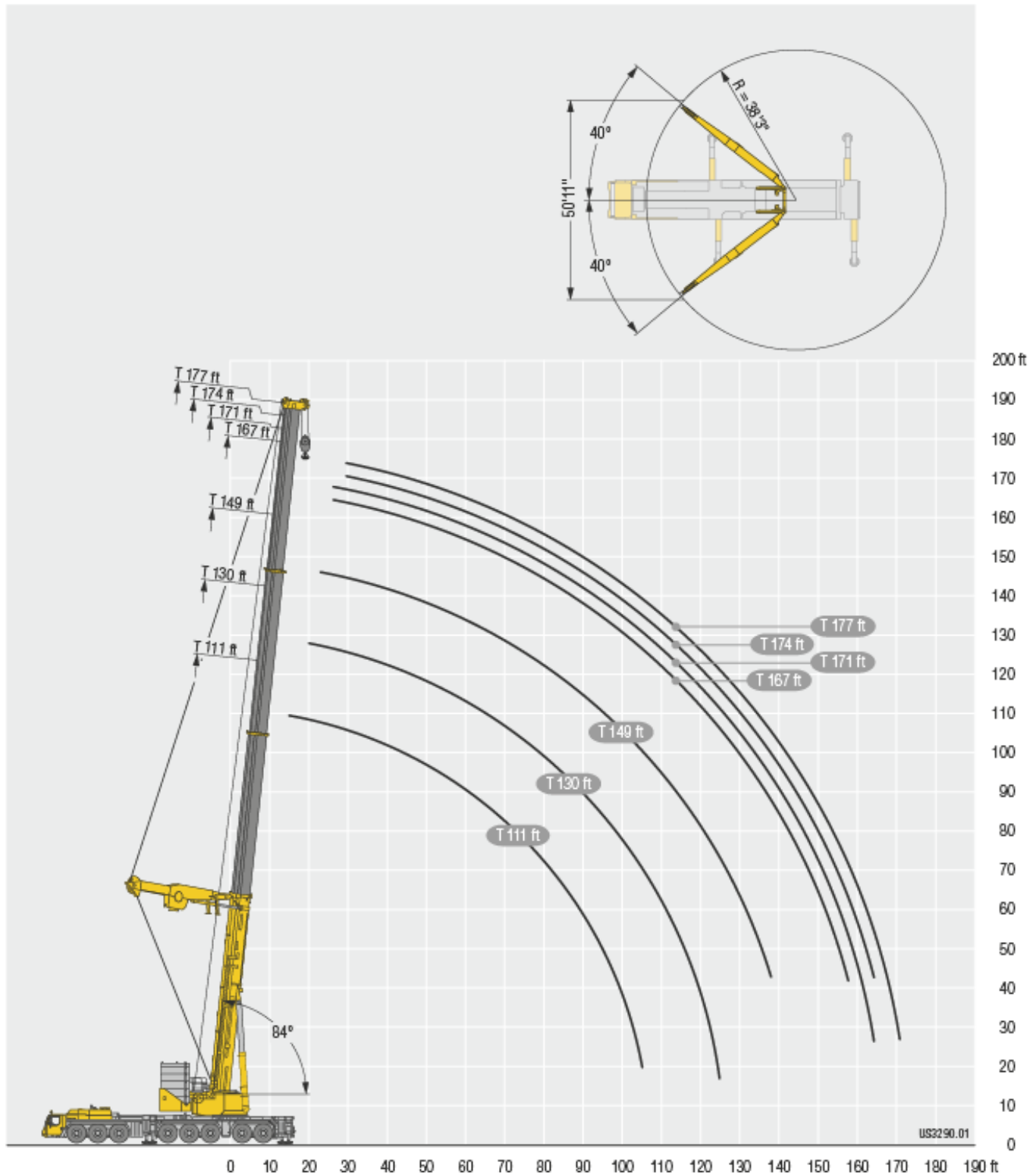
Preliminary
Préliminaire

	111 ft	130 ft	149 ft	167 ft	171 ft	174 ft	177 ft	
15	393							15
16	512.9							16
17	509.1							17
18	505.3							18
19	501.1	402.1						19
20	492.4	444.3						20
22	463.9	444.1						22
24	438.2	427.1	407.8					24
26	441.2	405.4	399.2	364.7	357.3			26
28	418.8	385.5	371.1	355.6	350.6	344		28
30	398.3	367.3	354.1	340.3	338.1	335.3	330.7	30
32	384	373	360.2	343.1	335.8	329.2	319.7	32
34	367.3	356.7	344.8	331.5	326.2	319.7	306.5	34
36	352.1	341.7	330.7	319.1	315.6	309.6	308.4	36
38	341.4	327.8	317.6	306.6	304.7	299.6	298.6	38
40	327.9	318.6	309	295.1	293.7	289.9	288.1	40
45	297.5	289.4	281.3	272.5	271.3	268.6	264.7	45
50	271.5	264.6	257.7	250	249	248.2	243.7	50
55	256.7	250.5	243	233	233.3	228.2	225.2	55
60	232.3	227	220.8	213.9	213	212.1	209.2	60
65	211.2	206.8	201.6	195.6	194.9	194.2	193	65
70	192.2	189.5	184.9	179.6	179	178.7	177.7	70
75	175.5	174.2	170.5	165.6	165.1	165	164.1	75
80	160.4	160.7	157.7	153.3	152.9	152.9	152	80
85	146.8	147.9	146.3	142.2	142	142	141.1	85
90	134.7	136	135.8	132.1	131.9	131.9	131.1	90
95	123.7	125.2	125.7	122.8	122.6	122.7	122	95
100	114.2	115.9	116.3	114.4	114.3	114.4	113.7	100
105	91.8	107.5	108.3	106.3	106.7	106.9	106.3	105
110		100	100.8	99.5	99.6	99.7	99.2	110
115		92.9	93.8	93.1	93.4	93.5	93	115
120		86.2	87.3	86.7	87.2	87.6	87.3	120
125		56.2	81.4	80.7	81.2	81.7	81.5	125
130			76	75.3	75.8	76.3	76.1	130
135			71	70.3	70.9	71.3	71.1	135
140			65.5	65.8	66.3	66.7	66.6	140
145				61.6	62.1	62.5	62.3	145
150				57.7	58.3	58.6	58.5	150
155				54.2	54.7	55.1	54.9	155
160				44.2	51.4	51.7	51.5	160
165					33.2	46.8	49.4	165
170							38	170

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Lifting heights Hauteurs de levage

T3Y



Lifting capacities Forces de levage

T5



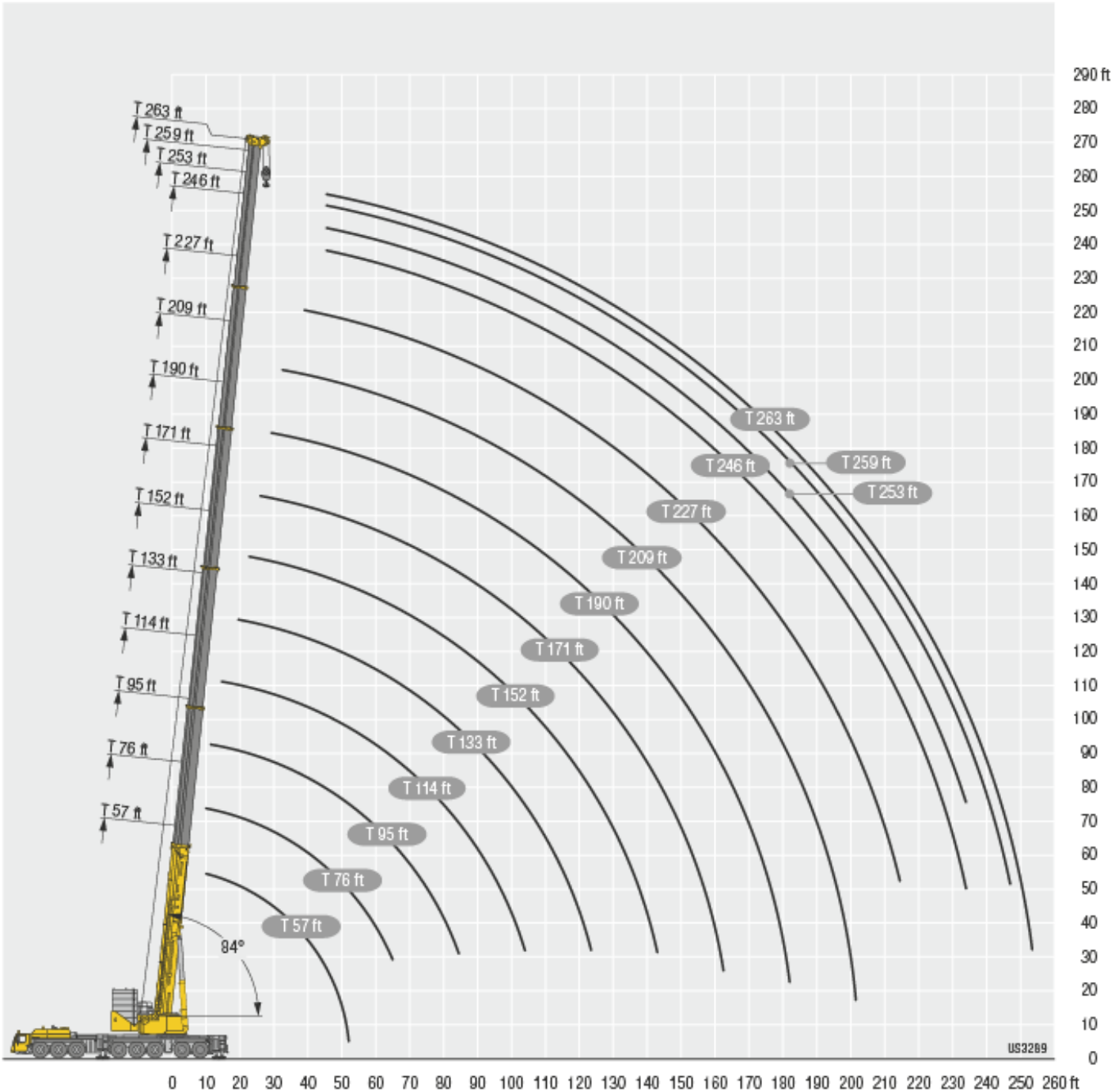
85%

Preliminary
Préliminaire

	57 ft		76 ft	95 ft	114 ft	133 ft	152 ft	171 ft	190 ft	209 ft	227 ft	246 ft	253 ft	259 ft	263 ft	
	*															
10	1526	527.6	514.4													10
11	1266	527.6	523.1													11
12	1092	527.6	527.6	516.1												12
13	944.3	527.6	527.6	527.6												13
14	817.3	527.6	527.6	527.6												14
15	732	527.6	527.6	527.6	450.6											15
16	687.1	527.6	527.6	527.6	492.8											16
17	540.8	527.6	527.6	527.6	493.8											17
18	527.6	527.6	527.6	527.6	494.8	300.4										18
19	527.6	527.6	527.6	527.1	494.2	429.6										19
20	527.6	527.5	527.6	525.8	486.8	420.3										20
22	527.6	520.2	519.5	503.7	466.5	401.8	269.9									22
24	522.3	489.2	490.4	477.6	445.2	384	328									24
26	501.7	461.4	462.7	452.3	423.5	367.1	315.8	213.1								26
28	478.6	436.3	438.1	429.3	404.5	350.8	304.2	207.1								28
30	457.3	413.4	415.5	408.4	386.2	335.6	293.2	201.2	186.2							30
32	437.9	392.8	394.8	389.4	370.1	321.5	282.3	195.8	182							32
34	419.9	390.9	375.9	372.1	354.6	308.3	272.4	190.6	177.6	140.5						34
36	403.1	372.8	370.8	355.5	340.4	296	262.7	185.5	173.2	137.6						36
38	387.6	356.3	358	354.6	327.1	284.4	253.4	180.9	168.9	134.6	108.4					38
40	373	340.9	342.8	341.6	315	273.5	244.8	176.4	164.5	131.6	106.9					40
45	333.4	307.4	309.4	308.3	289.9	249.1	224.9	165.8	154.3	124.9	103	85.3	79	72.5	71.3	45
50	285.7	278.4	281	279.8	267.7	228.7	207.5	156.3	144.9	118.6	98.6	81.8	76.2	70	68.9	50
55			251.3	250	246.8	210.4	192.3	147.8	136.2	112.6	94.2	78.5	73.5	67.5	66.5	55
60			226.4	225	225.2	196.9	178.7	140.2	128.4	107.2	90.1	75.2	70.8	65.1	64.1	60
65			205.2	207.7	205.5	184.3	166.6	133.3	121.2	102	86.1	72.2	68.2	62.7	61.8	65
70			174.5	189.9	187.8	173.5	155.9	127.2	114.5	97.2	82.4	69.3	65.5	60.3	59.5	70
75				173.5	172.8	163.6	145.6	121.3	108.5	92.8	79	66.5	63.1	58.1	57.3	75
80				159.1	158.9	154.4	137	116.3	102.8	88.7	75.8	63.9	60.7	55.9	55.2	80
85				146.5	146.2	145.8	129	111.2	97.4	84.6	72.6	61.4	58.4	53.8	53.2	85
90				109.6	135	135.3	121.6	106.7	92.4	81.2	69.8	59.1	56.2	51.8	51.3	90
95					125.3	125.5	115.9	102.6	87.4	78	67	56.8	54.1	49.9	49.5	95
100					116.8	116.8	110.5	98.6	82.7	74.8	64.4	54.6	52.2	48.1	47.8	100
105					109	108.8	104.6	95	78.7	71.6	62	52.6	50.3	46.3	46	105
110						101.3	99.1	91.4	74.7	68.3	59.8	50.7	48.6	44.7	44.4	110
115						94.7	92.9	88.1	71	65.8	57.6	48.8	46.8	43.2	42.9	115
120						89.3	86.9	85.1	67.6	63.4	55.5	47.1	45.2	41.6	41.4	120
125						84.7	81.4	81.9	64.3	61	53.4	45.4	43.6	40.2	39.9	125
130							76.4	78.1	61.3	58.5	51.5	43.7	42.1	38.8	38.7	130
135							71.8	73.5	58.4	56	49.6	42.2	40.7	37.5	37.4	135
140							69.7	69.2	55.6	53.5	47.7	40.8	39.2	36.1	36.1	140
145							63.6	65.3	53	51.1	45.9	39.4	37.9	34.8	34.8	145
150								61.7	50.4	48.9	44.1	38.1	36.7	33.7	33.7	150
155								58.4	48.2	46.8	42.4	36.8	35.4	32.6	32.6	155
160								55.4	46.4	44.7	40.7	35.6	34.3	31.5	31.5	160
165								40	44.8	42.7	39.1	34.4	33.2	30.4	30.5	165
170									43.6	40.8	37.5	33.2	32.1	29.5	29.5	170
175									42.5	39	35.9	32.1	31.1	28.5	28.5	175
180									41.6	37.3	34.7	31	30.1	27.5	27.6	180
185										35.7	33.5	29.9	29	26.6	26.7	185
190											34.1	32.2	28.8	28	25.7	190
195											32.7	30.9	27.8	27.1	24.8	195
200												31.2	29.6	26.2	23.9	200
205													28.3	25.6	23.1	205
210													27.1	24.4	22.3	210
215													26	23.3	21.5	215
220													22.4	22.2	20.7	220
225														21.2	20	225
230														20.2	19.4	230
235														19.3	18.8	235
240														12.1	17.9	240
245															17.1	245
250															16.3	250
255															12.4	255

* over rear - en arrière

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Lifting capacities Forces de levage

T5Y



85%

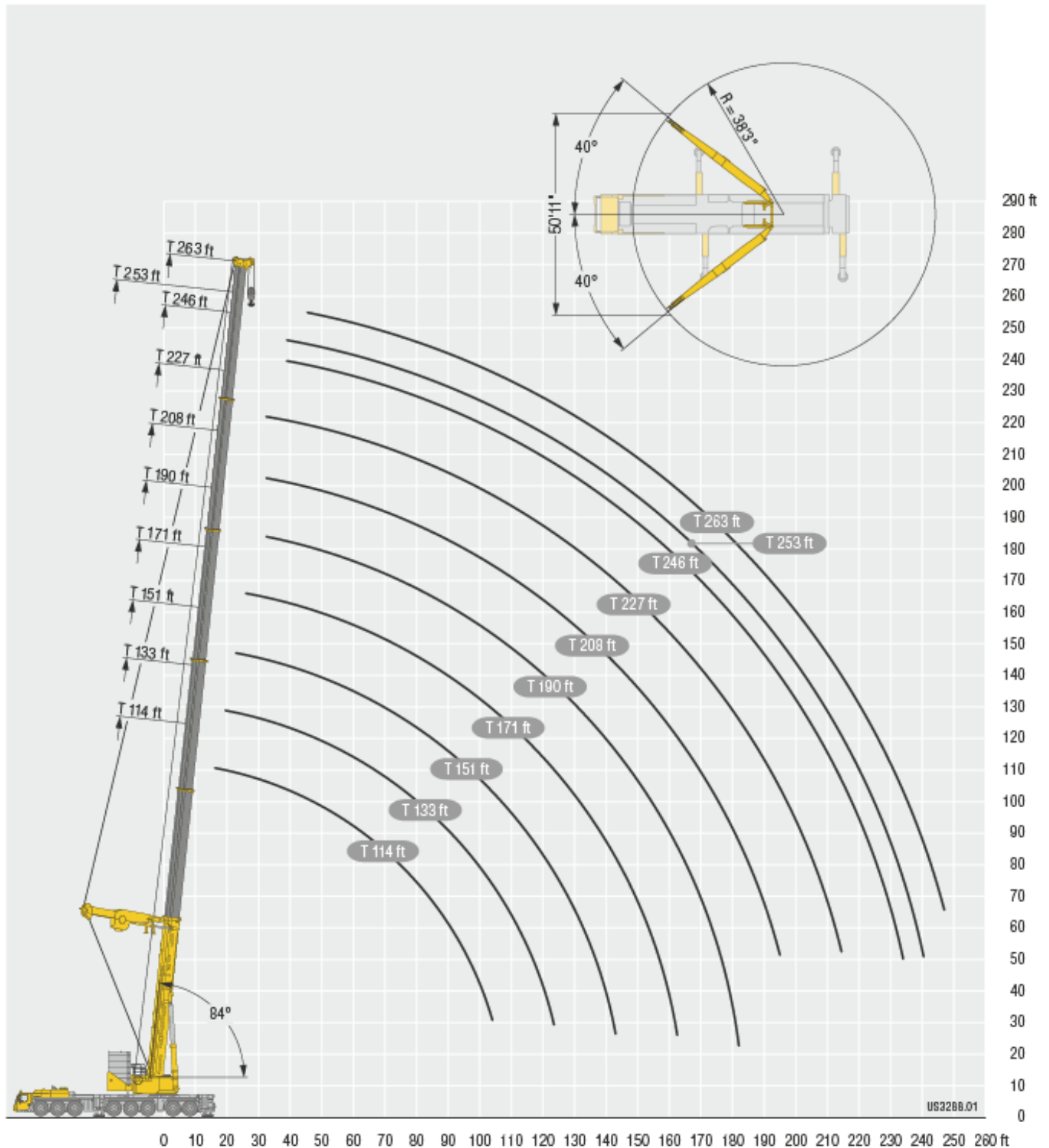
Preliminary
Préliminaire

	114 ft	133 ft	151 ft	171 ft	190 ft	208 ft	227 ft	246 ft	253 ft	263 ft	
16	489.4										16
17	485.8										17
18	482.2	418.5									18
19	477.6	415.6									19
20	470.4	441.6									20
22	454.6	432.2	375.8								22
24	438.9	430.3	373.8	328							24
26	423.3	413.4	367.5	331							26
28	405.1	392.7	360.1	329.4	301						28
30	385.3	378.4	352.7	326.6	295.1	248.1	218.4				30
32	366.4	360.8	346.3	320.7	289.3	252	224.8				32
34	348.2	344.5	333.4	314.7	283.8	247.6	221.1				34
36	332	327.3	319.8	308.6	281.1	243.1	216.3	185.3			36
38	316.6	308.3	306.5	299.4	277	238.7	211.5	187.2	170.7		38
40	303	294.2	294.1	289.1	273.5	234.2	207.1	184.8	174.7	153.3	40
45	272.1	265.4	279.2	263.1	254.7	224	196.6	175.7	166.8	154.9	45
50	246.8	241.1	254.4	252	233.6	213.8	186.7	167.4	159.1	148	50
55	224.2	219.8	229.4	227.8	219.4	202.8	177.5	159.6	151.9	141.7	55
60	204.8	201.7	207.2	207.2	205.6	189	169	152.2	145.3	135.7	60
65	187.3	184.6	188	189	188.8	177.3	161.1	145.5	139	130.2	65
70	171.6	167.7	171.3	173.1	174	163	153.6	139.2	133.1	124.8	70
75	155.1	152.6	156.6	159.1	160.8	150.6	146.4	133.2	127.7	119.8	75
80	145.5	139.2	143.6	146.7	149	139.2	138.8	127.7	122.5	115.1	80
85	133.5	126.5	132.3	135.8	138.4	129	130.6	122.2	117.7	110.7	85
90	121.5	117.8	122	126	128.9	119.9	122.1	115.8	113.1	106.5	90
95	110.5	108.9	112.2	116.9	120.3	111.4	114	108.9	108.5	102.7	95
100	101	99.5	102.4	108.5	112.2	103.5	106.3	101.5	101.7	98.4	100
105	91.6	91.2	94.5	100.9	104.8	96.3	99.6	95.1	95.1	93.1	105
110		83.6	87	93.4	98.1	89.7	93.4	89.1	89.1	87.6	110
115		76.4	80.1	87.1	92	83.9	87.6	83.5	83.6	82.3	115
120		70.1	73.5	81.3	86.2	78.4	82.3	78.3	78.5	77.5	120
125		59.5	67.5	75.3	80.9	73.4	77.4	73.5	73.8	72.9	125
130			62	69.8	76.1	68.4	72.9	69.1	69.5	68.6	130
135			56.9	64.8	71.4	64.1	68.7	65.1	65.5	64.7	135
140			52.2	60.1	66.8	60	64.6	61.3	61.7	61	140
145			34.1	55.8	62.5	56.1	60.9	57.7	58.2	57.5	145
150				51.9	58.5	52.1	57.5	54.4	54.9	54.3	150
155				48.2	54.8	48.4	54.3	51.3	51.8	51.2	155
160				44.2	51.4	44.9	51.1	48.3	48.9	48.4	160
165				24.5	48.2	41.7	47.9	45.6	46.2	45.6	165
170					45.3	38.7	44.9	43	43.6	43	170
175					42.5	35.9	42.1	40.2	41.1	40.5	175
180					37.4	33.3	39.4	37.5	38.5	38.2	180
185					14.2	30.8	36.9	35	36	35.9	185
190						28.5	34.6	32.7	33.6	33.6	190
195						26.2	32.3	30.5	31.4	31.4	195
200						17.2	30.3	28.4	29.3	29.2	200
205							28.3	26.4	27.3	27.2	205
210							26.5	24.5	25.4	25.4	210
215							24.3	22.7	23.6	23.5	215
220							14.1	21	21.9	21.8	220
225								19.5	20.3	20.2	225
230								19	18.8	18.6	230
235								13.8	17.3	17.2	235
240									15	15.8	240
245									6.7	14.5	245
250										11.7	250

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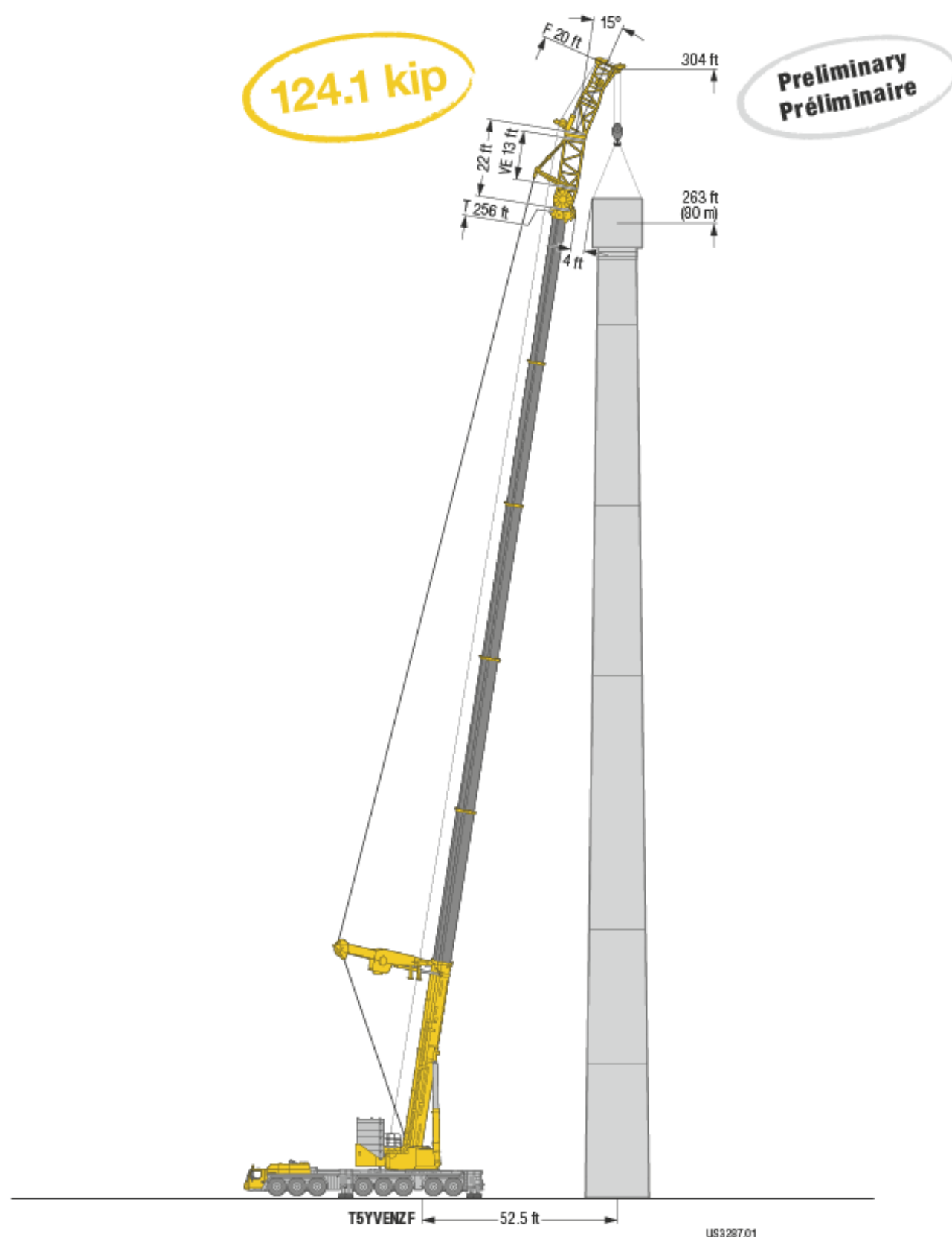
Lifting heights Hauteurs de levage

T5Y



Wind power applications

Applications de centrale éolienne



Wind power applications

Applications de centrale éolienne

