ALL TERRAIN CRANE
500 TONS

LIEBHERR LTM1400 7.1

BOOM LENGTHS:
51 TO 197 FT

JIB LENGTHS:
276 LUFFING JIB

NESS CAMPBELL
CRANE + RIGGING

NOTES:

Mobile Crane
Grue mobile

LTM 1400-7.1

Technical Data
Caractéristiques techniques

LIEBHERR

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Table of content
Tables des matières

Technical Data Caractéristiques technique	
Dimensions · Encombrement	3
Boom/jib combinations · Configurations de flèche	4 – 7
Weights, Working speeds · Poids, Vitesses	8
T	9 – 11
TY	12 – 14
TF	15 – 23
TYSF	24 – 30
TN	31 – 39
TYSN	40 – 51
Equipment · Equipement	52 – 53
Description of symbols · Explication des symboles	54
Remarks · Remarques	55

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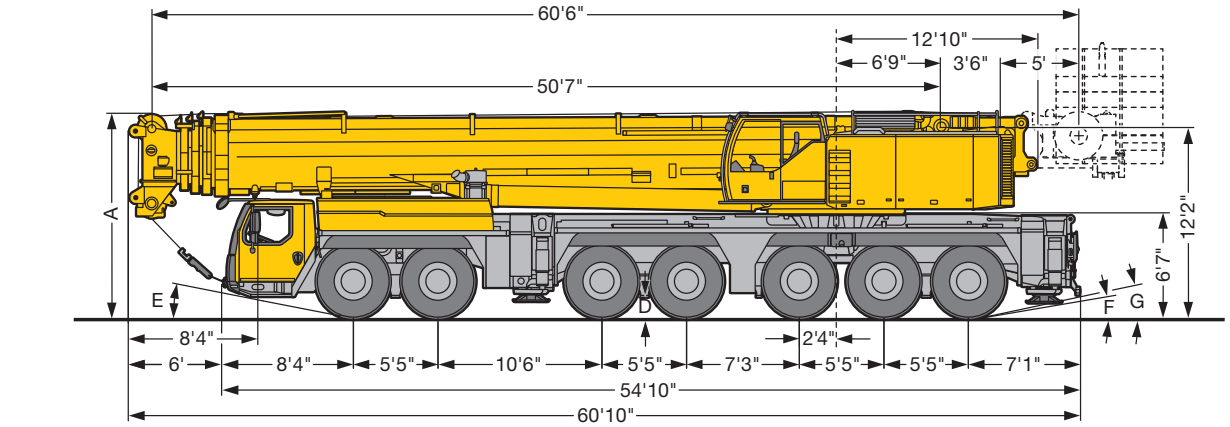
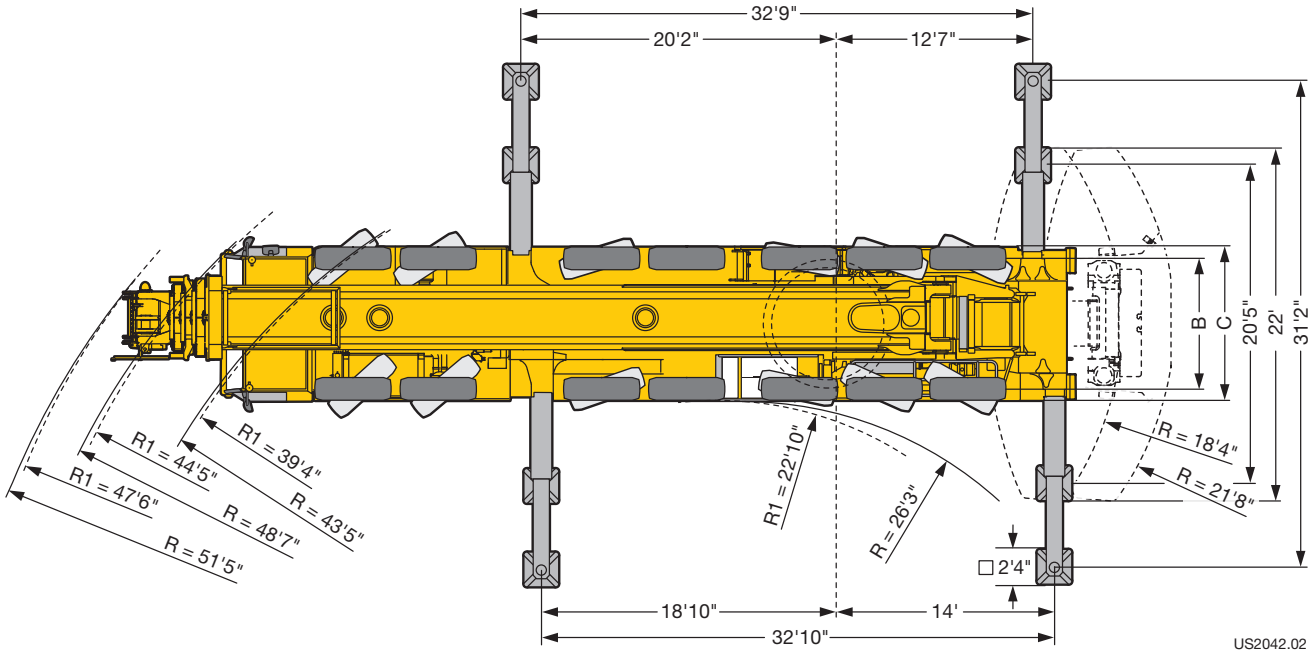
Dimensions
Encombrement





R_1 = All-wheel steering · Direction toutes roues

	Dimensions / Encombrement							
	A	A 6"/4"*	B	C	D	E	F	G
445/95 R 25 (16.00 R 25)	13'1"	12'10"	8'4"	9'10"	1'4"	12°	10°	11°
525/80 R 25 (20.5 R 25)	13'1"	12'10"	8'5"	10'2"	1'4"	12°	10°	11°

* lowered · abaissé

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Boom/jib combinations
Configurations de flèche

T Telescopic boom · Flèche télescopique

Y Y-shaped guying system · Haubanage Y

F Fixed lattice jib · Fléchette treillis fixe

S Spacer · Haubanage

N Luffing fly jib · Fléchette treillis à volée variable

T 9 – 11

TY 12 – 14

TF 15 – 23

S2850.01

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Boom/jib combinations
Configurations de flèche

TYSF

24 – 30

TN

31 – 39

TYSN

40 – 51

S2850.01

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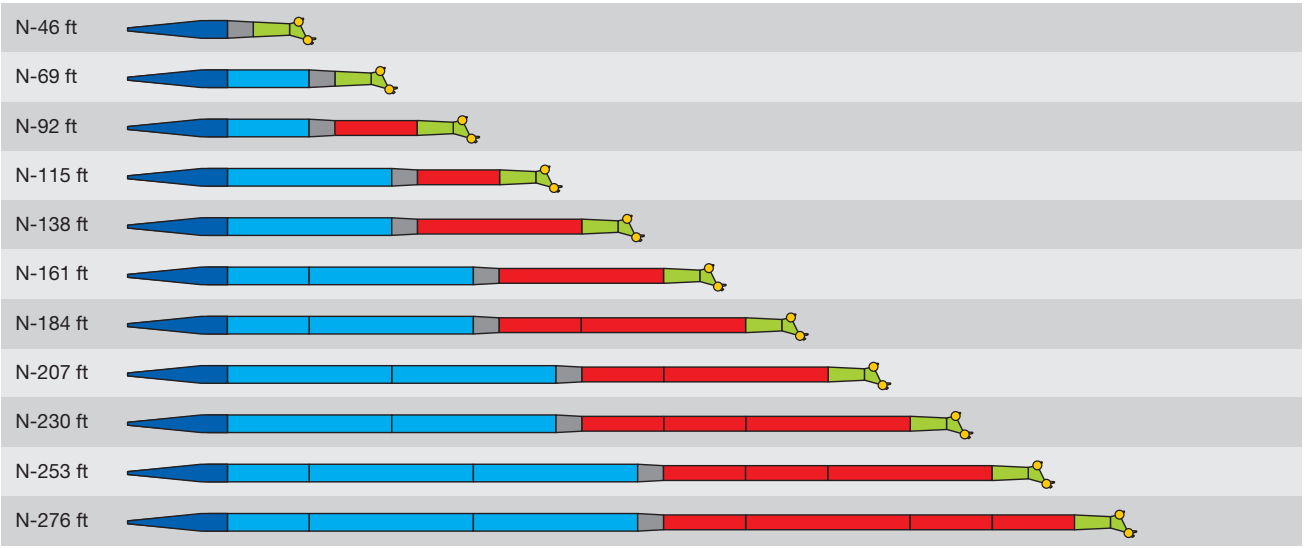
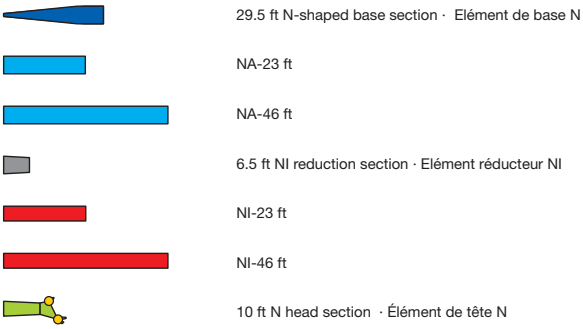
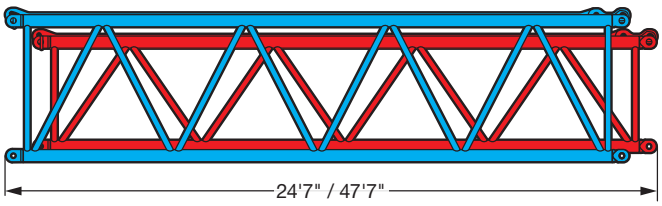
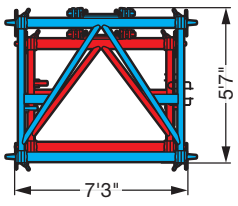
Boom/jib combinations – Luffing fly jib
Configurations de flèche – Fléchette à volée variable





US2846.01





US2845

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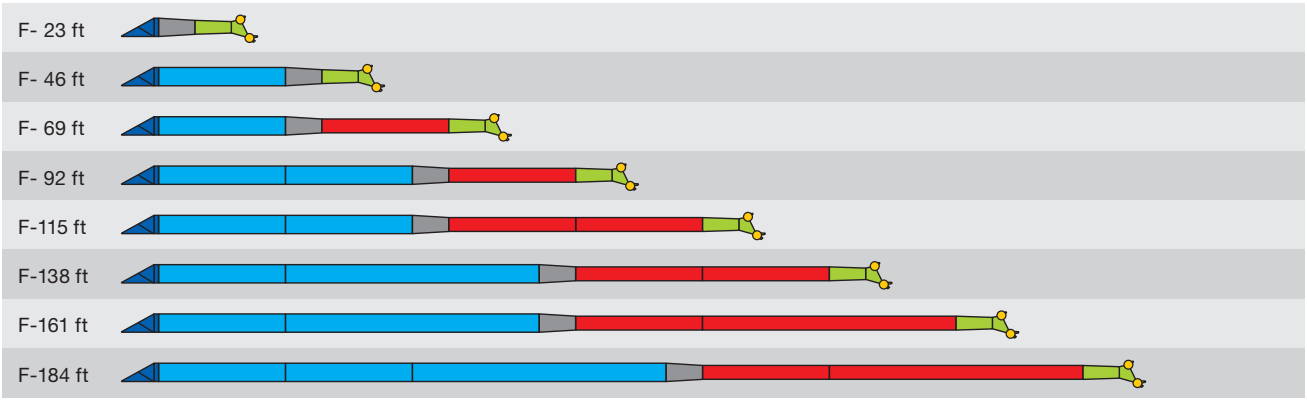
Boom/jib combinations – Fixed fly jib
Configurations de flèche – Fléchette fixe



6.5 ft TF-adapter · TF-adaptateur

NA-23 ft

NA-46 ft

6.5 ft NI reduction section · Elément réducteur NI

NI-23 ft

NI-46 ft

10 ft N head section · Élément de tête N

US2861

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Weights
Poids

Axle Essieu	1	2	3	4	5	6	7	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	26400	26400	184800 lbs

Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
525.5	11	22	8150
443	9	18	7270
376	7	15	5950
285	5	11	5065
187	3	7	3965
82	1	3	3085
28	–	1	1320

Working speeds
Vitesses

	mph min.	mph max.	%	
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	3.5	50	39.7 %	12 / R2

Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
①	0 – 426 ft/min single line ft/min au brin simple	0.98" / 1542 ft	28415 lbs
②	0 – 426 ft/min single line ft/min au brin simple	0.98" / 1542 ft	28415 lbs
③	0 – 492 ft/min single line ft/min au brin simple	0.98" / 2542 ft	28415 lbs
360°	0 – 1.5 rpm		
	approx. 70 seconds to reach 82° boom angle env. 70 s jusqu'à 82°		
	approx. 360 seconds for boom extension from 51 ft – 197 ft env. 360 s pour passer de 51 ft – 197 ft		

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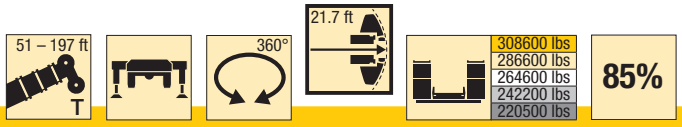
Lifting capacities
Forces de levage

T



ft	51 ft *	51 ft	67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
9	970											9
10	940											10
11	748	529	445									11
13	539	529	445	445								13
14	529	519	445	445	379							14
17	517	474	443	440	379	318						17
20	470	428	428	415	377	316	225					20
26	398	357	357	354	334	277	210	177				26
28	374	337	336	334	320	266	202	172	143			28
34	308	289	288	290	282	236	178	156	134	114		34
38	275	261	260	262	259	219	164	146	126	109	94	38
45			224	222	224	194	144	130	115	100	88.5	45
50			202	199	201	180	135	119	107	95	83.5	50
55			184	180	182	167	127	110	99.5	90	79	55
60				166	165	156	120	102	93	84.5	75	60
65				152	150	146	114	94	86.5	79.5	71.5	65
70				140	138	138	108	87.5	81	75	67.5	70
75					127	129	103	81.5	76	70.5	64	75
80					117	119	97.5	76.5	71.5	66.5	60.5	80
90					101	103	88.5	69.5	63	59.5	54.6	90
97						93.5	83	65.5	57.6	55.1	50.8	97
104						85.5	79	61.5	53.2	51	47.1	104
111							75	57.7	49.3	47.5	43.7	111
120							70.5	54.4	45.2	43.3	40.1	120
130								51.1	41.7	39.1	36.6	130
140								46.5	38.9	35.3	33.3	140
148									36.8	33	30.8	148
156									34.8	30.8	28.8	156
163										29	27.3	163
170										27.2	25.8	170
175										26	24.8	175
180											23.8	180
185											22.3	185
190											19.4	190

* over rear · en arriere

TAB 146425 / 146426 / 146427 / 146823 / 146824 / 146428 / 146429 / 146430

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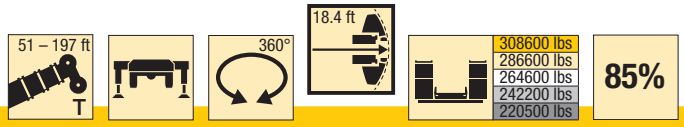
Lifting capacities
Forces de levage

T



ft	51 ft	67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
9	529										9
11	529	445									11
13	517	445	445								13
14	502	445	445	379							14
17	452	439	439	379	318						17
20	408	408	406	377	316	225					20
23	371	371	369	359	295	224					23
26	339	339	337	334	277	210	177				26
28	320	320	318	318	266	202	172	143			28
31	294	293	292	293	250	189	163	140	115		31
34	271	271	269	271	236	178	156	134	114		34
38	245	244	242	244	219	164	146	126	109	94	38
45		208	206	206	194	144	130	115	100	88.5	45
50		187	186	185	180	135	119	107	95	83.5	50
55		169	168	166	166	127	110	99.5	90	79	55
60			152	150	153	120	102	93	84.5	75	60
65			138	136	139	114	94	86.5	79.5	71.5	65
70			127	125	128	108	87.5	81	75	67.5	70
75				115	117	103	81.5	76	70.5	64	75
80				109	108	97.5	76.5	71.5	66.5	60.5	80
90				95.5	93	88.5	69.5	63	59.5	54.6	90
97					84	83	65.5	57.6	55.1	50.8	97
104					76.5	78.5	61.5	53.2	51	47.1	104
111						72	57.7	49.3	47.5	43.7	111
120						65	54.4	45.2	43.3	40.1	120
130							51.1	41.7	39.1	36.6	130
140							46.5	38.9	35.3	33.3	140
148								36.8	33	30.8	148
156								34.8	30.8	28.8	156
163									29	27.3	163
170									27.2	25.8	170
175									26	24.8	175
180										23.8	180
185										22.3	185
190										19.4	190

TAB 146511 / 146512 / 146431 / 146432 / 146433

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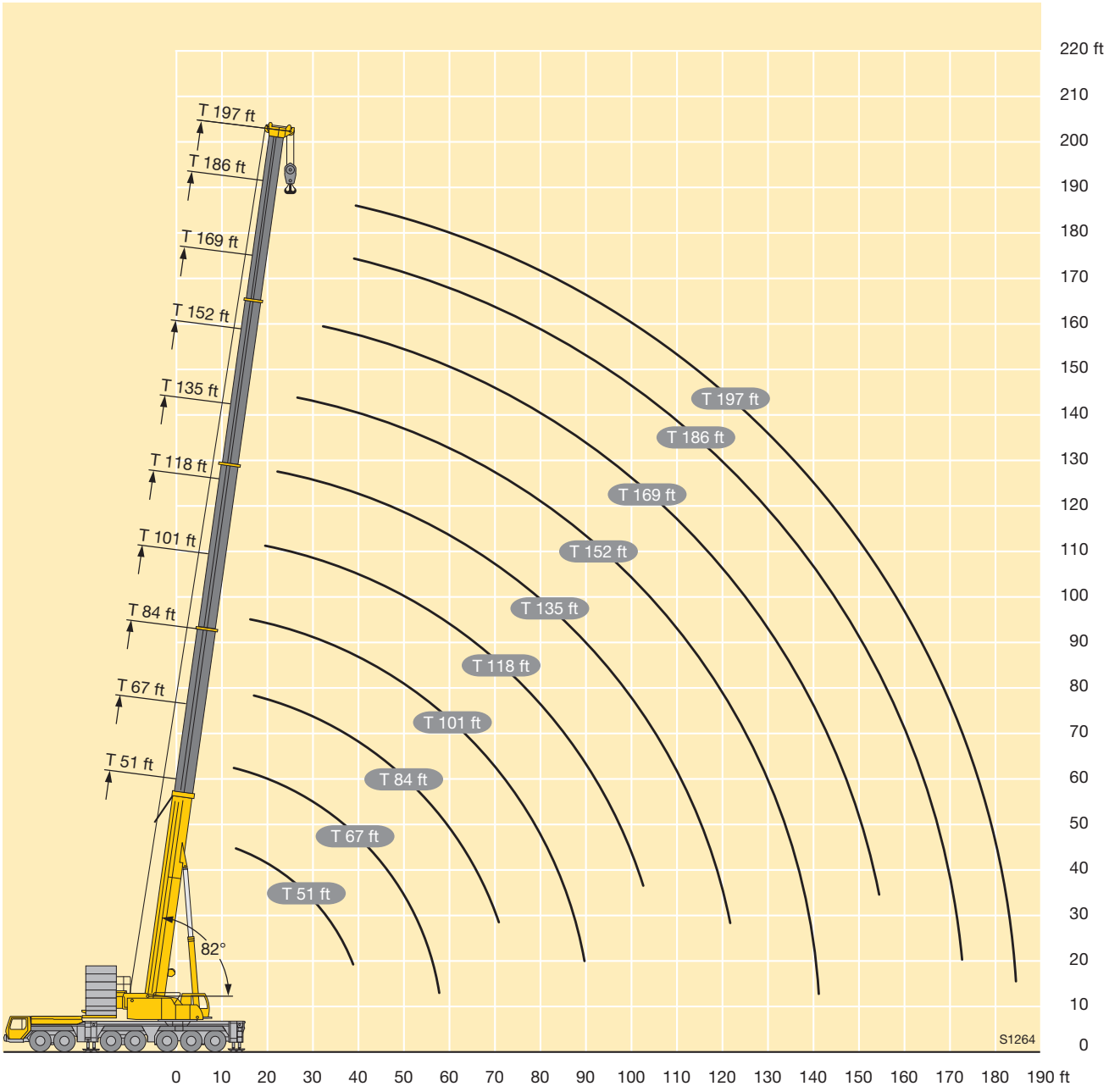
Lifting heights
Hauteurs de levage

T



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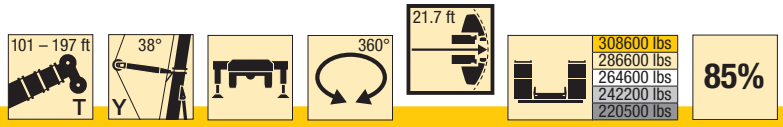
Lifting capacities
Forces de levage

TY



ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
16	416							16
17	413							17
18	408	361						18
20	396	360						20
22	374	351	320					22
24	359	339	313					24
26	342	324	301					26
28	327	311	290	252				28
30	312	300	280	250				30
32	297	288	270	242	211			32
34	285	278	261	234	207			34
36	272	268	253	227	201			36
38	259	259	245	220	195	166	152	38
40	249	249	237	213	190	164	151	40
45	223	222	218	195	178	154	142	45
50	200	202	200	181	167	146	135	50
55	180	184	182	169	157	137	128	55
60	163	167	166	158	147	130	121	60
65	148	152	153	148	137	123	115	65
70	138	140	141	138	127	116	109	70
75	128	129	130	129	120	110	104	75
80	118	118	119	119	114	104	98.5	80
85	108	109	110	110	108	98.5	93.5	85
90	99	102	103	103	102	94	89	90
95		94.5	95.5	95.5	95	89.5	85	95
100		88	89	89	88.5	85.5	81.5	100
105			83	83	82.5	81.5	78	105
110			78	78	77.5	76	74.5	110
115			73	73	72.5	71.5	71	115
120			68.5	68.5	68	67	67	120
125				64.5	64	62.5	63	125
130				60.5	60	58.9	59.1	130
135				57.1	56.6	55.4	55.6	135
140				48.3	53.3	52.2	52.4	140
145					50.3	49.1	49.4	145
150					47.6	46.3	46.6	150
155					44.6	43.7	44	155
160						41.3	41.5	160
165						39	39.2	165
170						36.8	37.1	170
175						28.3	35.1	175
180							33.2	180

TAB 146434 / 146435 / 146436 / 146437 / 146438

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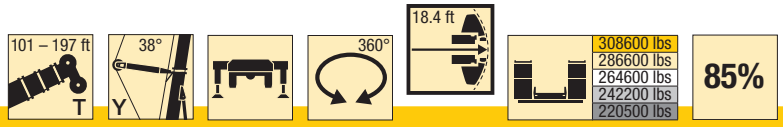
Lifting capacities
Forces de levage

TY



ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
16	416							16
17	413							17
18	408	361						18
20	396	360						20
22	374	351	320					22
24	357	339	313					24
26	337	324	301					26
28	319	311	290	252				28
30	301	299	280	250				30
32	285	285	270	242	211			32
34	270	272	260	234	207			34
36	257	259	250	227	201			36
38	244	246	240	220	195	166	152	38
40	231	234	230	213	190	164	151	40
45	205	209	206	195	178	154	142	45
50	184	188	187	181	167	146	135	50
55	165	169	170	167	157	137	128	55
60	152	153	154	153	146	130	121	60
65	139	139	140	140	135	123	115	65
70	127	127	128	128	126	116	109	70
75	116	117	118	118	117	110	104	75
80	106	107	108	108	108	104	98.5	80
85	98	99	100	100	99.5	98	93.5	85
90	90.5	91.5	92.5	92.5	92	91	89	90
95		85	86	86	85.5	84.5	84	95
100		79	80	80	79.5	78.5	78.5	100
105			74.5	74.5	74	72.5	73	105
110			69.5	69.5	69	68	68	110
115			65	65	64.5	63.5	63.5	115
120			61	61	60	59.1	59.4	120
125				56.9	56.4	55.3	55.5	125
130				53.4	52.9	51.8	52.1	130
135				50.2	49.7	48.6	48.8	135
140				43.9	46.7	45.6	45.8	140
145					44	42.8	43	145
150					41.4	40.2	40.4	150
155					39.1	37.8	38	155
160						35.5	35.8	160
165						33.4	33.6	165
170						31.4	31.6	170
175						26.5	29.7	175
180							28	180

TAB 146439 / 146440 / 146441 / 146442 / 146443

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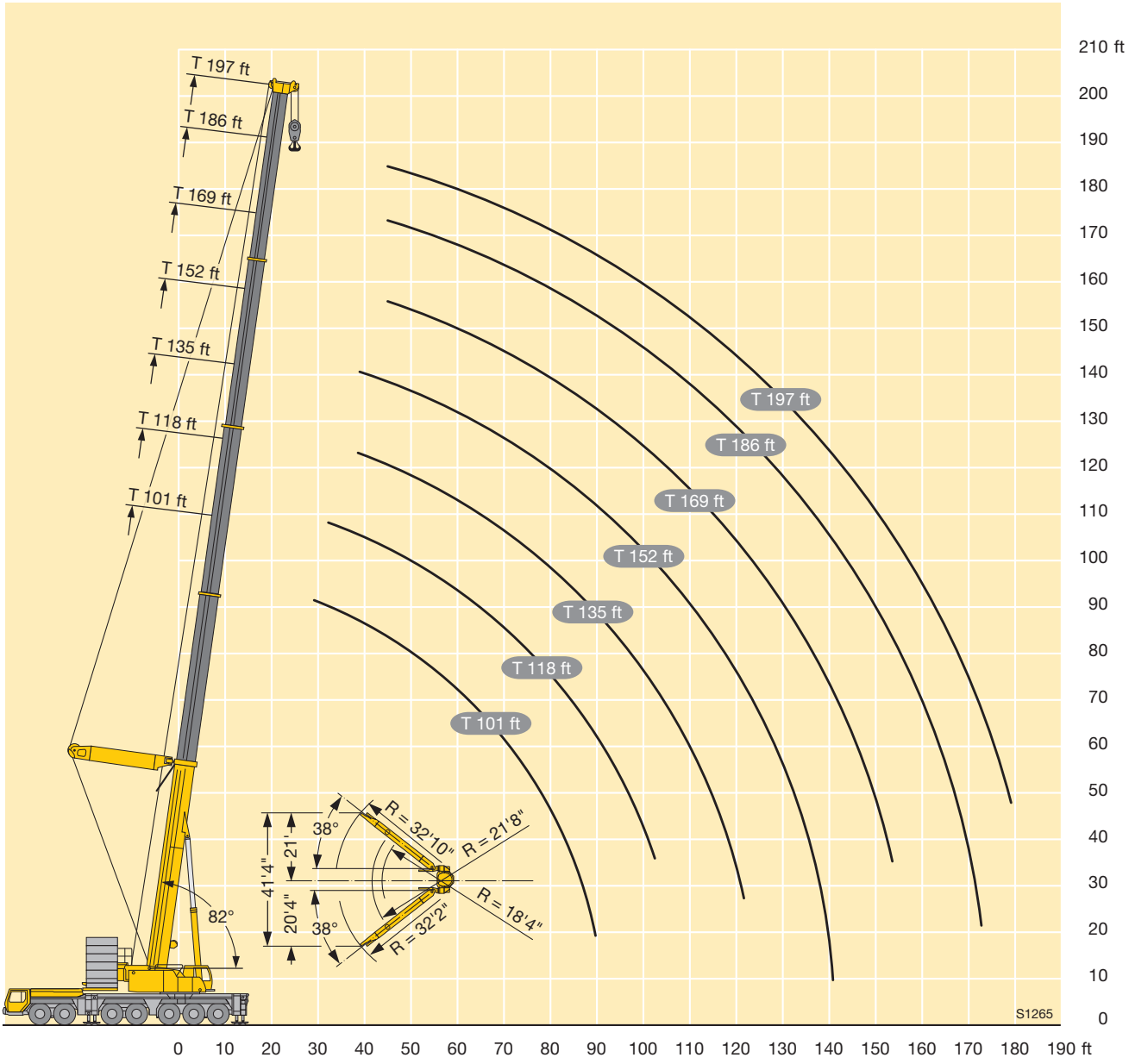

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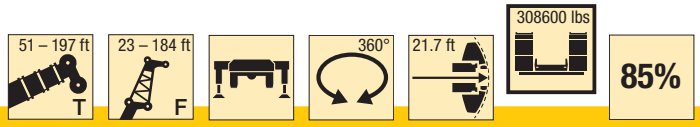
Lifting capacities
Forces de levage

TF



51 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
45	43.2																						45
50	39.3																						50
55	35.2	37	35.7	37.3			36.9															14.2	55
60	31.9	33.5	34.6	33.7	34.7		33.8			31.6			25.5			21.2			17.2			13.4	60
65	28.9	30.2	33.8	30.3	33		31			29.4			24.2			20.1			16.2			12.7	65
70	25.7	26.7		27.7	30.4		28.4			27.4			23			19			15.3			12.1	70
75				25.5	27.8	27.8	26	29.6		25.4			21.9			18			14.5			11.4	75
80				23.5	25.3	26.5	23.8	27.3		23.5	24.4		20.8	19		17.1			13.7			10.8	80
85				21.7	23	23.9	21.8	24.9	26.9	21.7	23.4		19.9	18.2		16.2	14.4		13			10.2	85
90				20	20.9	23.7	20.3	22.8	25.4	20	22.5		18.8	17.4		15.5	13.8		12.3	10.8		9.7	90
95							18.9	20.9	23.3	18.3	21.3	19.6	17.6	16.7		14.8	13.2		11.7	10.5		9.2	95
100							17.6	19.2	21	16.8	20	19.2	16.3	16	14.6	14.1	12.6		11.2	10		8.8	100
105							16.3	17.7	18.9	15.6	18.5	18.9	15	15.4	14	13.5	12.1		10.7	9.5		8.3	105
110							15.1	16.3	18.2	14.7	17	18.5	13.9	15	13.6	12.9	11.6		10.3	9.1		7.9	110
115							13.9	14.8		13.8	15.7	17.6	13	14.5	13.3	12.4	11.1	10	9.8	8.8		7.5	115
120										13	14.5	16.3	12.2	14.1	12.9	11.8	10.7	9.8	9.4	8.4		7.2	120
125										12.1	13.4	14.9	11.5	13.5	12.6	11	10.4	9.5	9	8		6.8	125
130										11.3	12.4	13.4	10.8	12.5	12.5	10.2	10.1	9.3	8.6	7.7		6.5	130
135										10.5	11.3		10.1	11.6	12.4	9.6	9.8	9.1	8.3	7.4	6.6	6.1	135
140													9.5	10.8	12	9	9.6	8.9	7.9	7.2	6.5	5.8	140
145													8.9	10.1	11.4	8.5	9.3	8.7	7.6	7	6.3	5.5	145
150													8.3	9.3	10.4	8	9.1	8.6	7.2	6.7	6.1	5.2	150
155													7.7	8.6	10	7.5	8.8	8.5	6.7	6.5	5.9	4.9	155
160													7.1	7.8		7	8.3	8.4	6.1	6.3	5.8	4.7	160
165																6.5	7.6	8.3	5.6	6.1	5.7	4.3	165
170																6.1	7	8.2	5.2	5.9	5.6	3.9	170
175																5.6	6.4	7.4	4.7	5.8	5.5	3.5	175
180																5.2	5.8		4.2	5.6	5.4	3	180
185																			3.8	5.3	5.3	2.6	185
190																			3.3	4.7	5.3	2.4	190
195																			2.9	4.1	5.1	2.4	195
200																			2.6	3.5	5	2.4	200
205																			2.4	2.9		2.4	205
210																						2.4	210
215																						2.4	215
220																						2.4	220
225																						2.4	225

* adapter · pièce d'adaptateur

TAB 146525 / 146527 / 146529

NESS CAMPBELL CRANE + RIGGING

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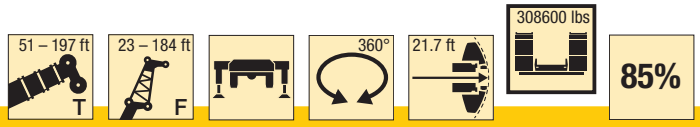
Lifting capacities
Forces de levage

TF



152 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	95.5			79.5																			38
40	95			79																			40
45	89.5	60.5		75			60																45
50	84	58.1		71.5			58.5			44.4			34.6										50
55	79	55.7	42.4	67.5	49.2		56.5			43.7			34.1			26.7							55
60	74.5	53.5	41.4	64	47.2		54.3			42.4			33.1			26.5							60
65	69.5	51.5	40.5	60.5	45.4	33.7	51.8			41.1			32.1			25.7			20				65
70	65.5	49.7	39.8	57.5	43.7	33.1	49.7	41.1		39.6			30.9			24.9			19.4			14.8	70
75	61.5	48	39.1	54.3	42.3	32.4	47.5	40.6		38.2			29.7			24.1			18.8			14.5	75
80	57.6	46.4	38.5	51.3	40.9	31.7	45.3	39.6		36.9			28.6			23.2			18.2			14	80
85	54.5	45.1	37.9	48.3	39.6	31.2	43.2	38.7	30.8	35.7	28.4		27.6			22.3			17.6			13.5	85
90	51.7	43.9	37.3	45.9	38.3	30.7	41	37.8	30.3	34.6	27.7		26.7			21.5			17			13	90
95	49	42.8	37	43.7	37.2	30.2	38.9	36.5	29.7	33.4	27		25.8	19.9		20.8			16.3			12.5	95
100	46.4	41.7	36.7	41.5	36.1	29.7	37	35	29.2	32.1	26.3	21	24.9	19.7		20			15.7			12	100
105	43.9	40.7	36.5	39.5	35.2	29.2	35.2	33.7	28.7	30.7	25.7	21	24.1	19.2		19.3			15.1			11.6	105
110	41.6	39.7	36.2	37.6	34.4	29	33.6	32.4	28.3	29.5	25.1	20.7	23.3	18.7		18.6	14		14.6			11.2	110
115	39.4	38.7	36	35.7	33.6	28.8	32.1	31.1	27.9	28.3	24.6	20.4	22.5	18.2		18	13.7		14			10.8	115
120	37.4	37.4	35.8	34	32.9	28.6	30.6	29.9	27.5	27.1	24	20.1	21.9	17.7	14.3	17.4	13.4		13.5	9.9		10.4	120
125	35.9	35.9	35.5	32.3	32.1	28.4	29.1	28.8	27.1	25.9	23.5	19.8	21.2	17.3	14.3	16.8	13		13	9.9		10	125
130	34.5	34.5	34.2	30.7	30.6	28.2	27.8	27.5	26.9	24.8	23.1	19.5	20.6	16.8	14	16.2	12.6		12.5	9.6		9.6	130
135	33.1	33.1	32.8	29.1	29.1	28	26.5	26.3	26.3	23.6	22.6	19.2	20	16.4	13.8	15.7	12.3		12.1	9.3		9.3	135
140	31.7	31.8	31.4	27.7	27.9	27.6	25.2	25.1	25.4	22.5	21.9	19	19.4	16	13.6	15.2	12	9.7	11.7	9.1		8.9	140
145	30.4	30.5	30.1	26.7	26.8	26.8	23.9	24	24.4	21.5	21.2	18.9	18.7	15.7	13.4	14.8	11.7	9.7	11.3	8.8		8.6	145
150	29.2	29.3	28.8	25.7	25.7	25.7	22.7	22.9	23.3	20.5	20.4	18.8	17.9	15.4	13.2	14.4	11.4	9.6	11	8.6		8.3	150
155	28	28.1		24.7	24.7	24.7	21.8	21.9	22.3	19.5	19.7	18.6	17.2	15.1	13	14	11.1	9.4	10.7	8.3		8	155
160	26.7	26.9		23.8	23.7	23.7	21	21	21.3	18.5	18.9	18.4	16.3	14.8	12.8	13.6	10.8	9.3	10.4	8.1	6.4	7.7	160
165	25.3	25.6		22.9	22.8	22.8	20.2	20.2	20.4	17.6	18.1	18.1	15.5	14.6	12.6	13.2	10.6	9.1	10.1	7.9	6.4	7.5	165
170	23.9	24.1		22	21.9	21.8	19.5	19.4	19.5	16.6	17.3	17.5	14.7	14.3	12.6	12.8	10.4	9	9.8	7.7	6.3	7.2	170
175				21.1	21		18.7	18.7	18.8	16	16.4	16.8	13.9	14.1	12.5	12.4	10.2	8.9	9.5	7.5	6.2	7	175
180				20.3	20.1		18	18	18	15.4	15.7	16.2	13.3	13.7	12.4	12.1	10.1	8.8	9.2	7.3	6.1	6.7	180
185				19.5	19.3		17.3	17.3	17.3	14.9	15.1	15.5	12.9	13.3	12.4	11.7	9.9	8.7	9	7.2	6	6.5	185
190				18.7	18.4		16.6	16.6	16.5	14.3	14.6	14.9	12.4	12.8	12.3	11.1	9.7	8.7	8.7	7	5.9	6.3	190
195				17.8			15.9	16	15.8	13.8	14	14.3	11.9	12.2	12.2	10.5	9.6	8.6	8.5	6.9	5.8	6	195
200							15.3	15.4		13.3	13.5	13.7	11.5	11.7	12	10.1	9.4	8.6	8.2	6.8	5.7	5.8	200
205							14.6	14.8		12.8	12.9	13.1	11	11.2	11.6	9.7	9.2	8.5	8	6.6	5.7	5.6	205
210							10.6	10.8		12.3	12.4	12.5	10.6	10.8	11.2	9.3	9.1	8.4	7.7	6.5	5.6	5.4	210
215							10.1	10.3		11.8	11.9	12	10.2	10.4	10.7	9	9	8.3	7.5	6.4	5.6	5.2	215
220										11.4	11.4		9.8	10	10.3	8.6	8.9	8.3	7.2	6.2	5.5	5	220
225										10.9	10.9		9.4	9.6	9.9	8.3	8.6	8.3	6.9	6.1	5.5	4.8	225
230										10.5			9	9.2	9.4	7.9	8.2	8.3	6.5	6	5.4	4.6	230
235										10			8.6	8.8	9	7.6	7.9	8.2	6.2	5.9	5.3	4.4	235
240													8.3	8.5		7.3	7.5	7.9	5.8	5.8	5.3	4.1	240
245													7.9	8.1		7	7.2	7.5	5.5	5.8	5.2	3.8	245
250													7.6	7.7		6.7	6.8	7.1	5.2	5.7	5.2		250
255													7.2	7.4		6.4	6.5	6.8	4.9	5.4	5.2		255
260																6.1	6.2	6.4	4.5	5.1	5.2		260
265																5.8	5.8		4.2	4.7	5.1		265
270																5.5	5.5		3.9	4.4	4.9		270
275																5.2	5.3		3.6	4.1	4.5		275
280																4.9			3.3	3.7	4.1		280
285																			3	3.4			285
290																			2.8	3.1			290
295																			2.5	2.8			295

* adapter · pièce d'adaptateur

TAB 146525 / 146527 / 146529

NESS CAMPBELL CRANE + RIGGING

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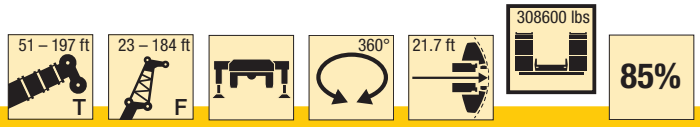
Lifting capacities
Forces de levage

TF



ft	169 ft + 8 ft*																						ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	88.5																						38
40	88																						40
45	84	61		69.5																			45
50	80.5	58.8		67			53.8			41.1													50
55	76.5	56.4	42.7	64.5	47.7		52.9			40.6			31										55
60	72.5	54.3	41.8	61	47.4		51.2			39.6			30.9										60
65	68.5	52.4	40.9	58.2	45.6		49.2			38.7			30			23.9							65
70	65	50.7	40.2	55.7	44	32.9	47.3			37.5			29.2			23.3			17.9				70
75	61	49.1	39.6	53.2	42.6	32.5	45.5	38.8		36.3			28.3			22.6			17.6			13.1	75
80	57.6	47.6	39	50.8	41.3	31.9	43.7	38.6		35.2			27.3			22			17.1			13	80
85	54.2	46.1	38.4	48.3	40	31.4	41.9	37.8		34.2			26.4			21.3			16.6			12.6	85
90	51.3	44.8	37.9	46	38.9	30.9	40.2	36.9	30.3	33.3	26.7		25.6			20.6			16.1			12.1	90
95	48.6	43.6	37.4	43.7	37.8	30.4	38.5	35.8	30	32.3	26.3		24.8			19.9			15.5			11.6	95
100	46	42.7	37	41.5	36.8	30	36.8	34.5	29.6	31.3	25.8		24	18.7		19.2			15			11.2	100
105	43.5	41.7	36.8	39.4	35.8	29.6	35.2	33.3	29.3	30.1	25.2		23.3	18.7		18.6			14.4			10.8	105
110	41.2	40.8	36.6	37.4	35	29.2	33.7	32.1	29	29	24.7	20.3	22.6	18.3		18			14			10.4	110
115	39	39.1	36.5	35.5	34.3	28.9	32.3	31	28.7	28	24.2	20.1	21.9	17.8		17.4	13.1		13.5			10.1	115
120	36.8	37	36.2	33.7	33.6	28.7	30.8	30	28.4	26.9	23.7	19.9	21.3	17.4		16.8	13		13			9.7	120
125	34.6	35	35.7	32	32.8	28.5	29.3	29	27.8	25.9	23.2	19.6	20.7	17		16.3	12.6		12.6			9.4	125
130	32.5	33	33.8	30.3	31.2	28.4	28	27.9	27	24.9	22.8	19.4	20.1	16.6	13.8	15.8	12.3		12.2	9.3		9.1	130
135	30.8	31.3	31.9	28.7	29.7	28.2	26.6	26.8	26.2	23.8	22.3	19.1	19.6	16.2	13.6	15.3	12		11.7	9.1		8.7	135
140	29.3	29.7	30.1	27.1	28.1	27.9	25.3	25.7	25.5	22.7	21.7	18.9	19.1	15.9	13.4	14.9	11.7		11.3	8.9		8.5	140
145	27.9	28.2	28.4	25.6	26.7	27.3	24	24.7	24.7	21.6	21.1	18.7	18.6	15.5	13.2	14.5	11.5		11	8.6		8.2	145
150	26.5	26.8	26.9	24.5	25.3	25.9	22.8	23.7	23.7	20.6	20.4	18.6	18	15.1	13	14.1	11.2	9.4	10.7	8.4		7.9	150
155	25.1	25.4	25.4	23.4	24.1	24.6	21.6	22.6	22.8	19.6	19.8	18.5	17.4	14.9	12.9	13.8	11	9.3	10.4	8.2		7.6	155
160	24.2	24.3	24	22.2	23	23.5	20.4	21.4	22	18.6	19.1	18.4	16.7	14.7	12.7	13.4	10.7	9.2	10.1	8		7.4	160
165	23.2	23.4		21.2	21.9	22.3	19.3	20.3	21.1	17.6	18.5	18.2	15.9	14.4	12.5	13.1	10.5	9.1	9.9	7.8		7.1	165
170	22.3	22.5		20.1	20.8	21.1	18.6	19.2	20.3	16.6	17.7	17.7	15.1	14.2	12.5	12.7	10.3	8.9	9.6	7.6	6.2	6.9	170
175	21.3	21.6		19.1	19.7	19.9	17.8	18.4	19.4	15.7	17	17.2	14.4	14	12.4	12.4	10.2	8.8	9.4	7.4	6.1	6.6	175
180	20.5	20.7		18.1	18.7	18.7	17	17.5	18.4	14.9	16.3	16.6	13.6	13.8	12.4	12.1	10	8.7	9.1	7.2	6	6.4	180
185	19.6			17.2	17.6		16.3	16.8	17.5	14.3	15.6	16	12.9	13.5	12.3	11.8	9.9	8.6	8.9	7.1	5.9	6.2	185
190	18.8			16.4	16.6		15.5	16	16.6	13.8	14.8	15.3	12.1	13	12.3	11.5	9.7	8.5	8.7	7	5.8	6	190
195				15.7	15.9		14.7	15.2	15.7	13.2	14.1	14.8	11.4	12.6	12.2	11	9.6	8.5	8.5	6.8	5.7	5.8	195
200				15	15.3		14	14.4	14.8	12.6	13.5	14.2	10.9	12.1	12.1	10.4	9.4	8.5	8.3	6.7	5.6	5.6	200
205				14.4			13.3	13.6	13.9	12	12.9	13.5	10.4	11.6	11.9	9.8	9.3	8.4	8.1	6.6	5.6	5.4	205
210							12.6	12.9		11.5	12.3	12.8	10	11.2	11.6	9.3	9.2	8.4	7.9	6.5	5.5	5.3	210
215							11.9	12.1		10.9	11.7	12.2	9.6	10.7	11.2	8.9	9	8.4	7.5	6.3	5.5	5.1	215
220							11.5	11.4		10.4	11.1	11.5	9.2	10.2	10.8	8.5	8.9	8.3	7.1	6.2	5.5	4.9	220
225							11			9.8	10.5	10.8	8.8	9.7	10.3	8.1	8.7	8.3	6.7	6.1	5.4	4.7	225
230										9.3	10		8.4	9.2	9.8	7.7	8.5	8.2	6.2	6	5.4	4.5	230
235										8.8	9.3		7.9	8.8	9.2	7.3	8.2	8.2	5.8	5.9	5.4	4.2	235
240										8.3	8.8		7.5	8.3	8.7	6.9	7.8	8.1	5.4	5.8	5.3	3.8	240
245										7.9	8.2		7.1	7.9	8.2	6.4	7.4	8	5	5.7	5.2		245
250													6.7	7.4		6	7	7.6	4.6	5.6	5.2		250
255													6.2	6.9		5.6	6.6	7.2	4.2	5.6	5.2		255
260													5.9	6.4		5.2	6.1	6.7	3.9	5.2	5.2		260
265													5.6	6		4.7	5.7	6.3	3.5	4.8	5.2		265
270													5.3			4.3	5.2	5.7		4.4	5.1		270
275													5			3.9	4.8	5.1		4	4.8		275
280																3.5	4.3			3.6	4.3		280
285																3.1	3.8				3.8		285
290																2.8	3.2						290
295																2.5	2.7						295

* adapter · pièce d'adaptateur

TAB 146525 / 146527 / 146529

NESS CAMPBELL CRANE + RIGGING

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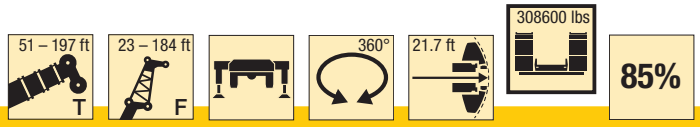
Lifting capacities
Forces de levage

TF



ft	186 ft + 8 ft*																				197 ft + 8 ft*		ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	
45	71			56.2																				45
50	69	58.7		55			44.1																	50
55	66	57.6	42.5	53.4			43.4			34.5														55
60	62.5	55.5	41.6	51.7			42.1			34.3														60
65	59.6	53.5	40.9	49.7	44.3		40.8			33.2			26.4											65
70	56.9	51.8	40.2	47.6	43.1		39.3			32.2			25.9			20								70
75	54.3	50.3	39.6	45.7	41.8	31.8	37.9	33.4		31.2			25.3			19.8			15					75
80	51.6	48.9	39.1	43.9	40.5	31.6	36.5	33.1		30			24.7			19.3			14.9					80
85	49.1	47.5	38.6	42.2	39.4	31.1	35.1	32		28.9			24			18.9			14.5			10.7		85
90	46.7	45.8	38.1	40.5	38.3	30.7	33.8	31		27.9			23.2			18.3			14.1			10.5	9.2	90
95	44.3	43.8	37.6	38.8	37	30.3	32.5	29.9	26.2	27	23.3		22.4			17.7			13.6			10.2	9	95
100	42	41.8	37.2	37.1	35.7	29.9	31.3	29	26	26	23.1		21.6			17.2			13.2			9.9	8.7	100
105	39.9	40	36.7	35.5	34.3	29.6	30.1	28.1	25.2	25	22.3		20.8			16.7			12.8			9.5	8.2	105
110	37.9	38.3	36.6	34	33.1	29.3	29	27.2	24.6	24.1	21.6		20	17.1		16.2			12.4			9.2	7.9	110
115	35.9	36.4	36.1	32.5	31.9	28.9	28	26.4	24	23.2	20.9	18.5	19.3	16.8		15.8			12.1			8.9	7.5	115
120	34.1	34.6	35	31.1	30.7	28.6	26.9	25.5	23.3	22.3	20.3	18.3	18.6	16.4		15.3	11.9		11.7			8.6	7.2	120
125	32.3	32.9	33.2	29.6	29.4	28.3	26	24.6	22.8	21.5	19.6	17.8	17.9	15.8		14.9	11.9		11.4			8.3	6.8	125
130	30.5	31.2	31.5	28.1	28.2	28.2	25	23.8	22.2	20.7	19	17.3	17.2	15.3		14.3	11.6		11.1			8	6.5	130
135	28.9	29.6	29.9	26.7	27.1	27.3	24	23	21.7	19.9	18.4	16.9	16.6	14.8	13.1	13.8	11.4		10.8	8.4		7.7	6.2	135
140	27.4	28	28.4	25.4	26	26.2	22.9	22.3	21.2	19.2	17.9	16.5	16	14.3	12.9	13.2	11.1		10.5	8.3		7.5		140
145	26.2	26.5	26.9	24.1	24.8	25.2	21.8	21.5	20.7	18.5	17.3	16	15.4	13.8	12.6	12.7	10.9		10.2	8.1		7.2		145
150	25	25.4	25.6	22.8	23.6	24.2	20.7	20.8	20.3	17.8	16.8	15.6	14.9	13.4	12.3	12.3	10.7		9.9	7.9		7		150
155	23.8	24.3	24.4	21.6	22.4	23	19.7	20.2	19.8	17.2	16.4	15.2	14.4	13	12	11.9	10.5	8.9	9.5	7.7		6.8		155
160	22.7	23.1	23.1	20.6	21.2	21.8	18.7	19.5	19.3	16.5	15.9	14.9	13.9	12.6	11.7	11.5	10.3	8.9	9.2	7.6		6.5		160
165	21.5	21.9	21.9	19.7	20.1	20.7	17.7	18.7	18.7	15.9	15.4	14.5	13.4	12.2	11.4	11.1	10	8.8	8.8	7.4		6.2		165
170	20.4	20.8	20.7	18.9	19.1	19.7	16.7	17.9	18.1	15.1	14.9	14.2	12.9	11.9	11.1	10.7	9.7	8.7	8.4	7.2		5.9		170
175	19.3	19.7	19.5	18.1	18.2	18.8	16	16.9	17.4	14.3	14.4	13.9	12.4	11.6	10.8	10.3	9.4	8.6	8.1	7	5.8	5.6		175
180	18.3	18.7		17.3	17.2	17.8	15.4	16	16.7	13.5	13.9	13.6	12	11.3	10.6	10	9.1	8.4	7.7	6.9	5.8	5.3		180
185	17.3	17.7		16.5	16.4	16.9	14.7	15.2	16.1	12.8	13.5	13.3	11.5	11	10.4	9.6	8.9	8.2	7.4	6.7	5.7	5		185
190	16.3	16.7		15.7	15.6	16	14.1	14.6	15.5	12	13	13.1	11.1	10.8	10.2	9.3	8.7	8	7.1	6.6	5.6	4.7		190
195	15.3	15.7		15	14.7	15	13.5	13.9	14.7	11.5	12.5	12.7	10.7	10.5	10	9	8.4	7.8	6.8	6.4	5.5			195
200				14.2	13.9		12.9	13.3	14	11.1	12.1	12.3	10.2	10.2	9.8	8.7	8.2	7.6	6.5	6.2	5.5			200
205				13.4	13.2		12.4	12.7	13.3	10.6	11.7	12	9.7	9.9	9.6	8.3	7.9	7.5	6.2	5.9	5.4			205
210				12.7	12.5		11.8	12.1	12.6	10.2	11.1	11.6	9.2	9.5	9.4	8	7.7	7.3	5.9	5.7	5.3			210
215				12	11.8		11.2	11.6	11.9	9.7	10.6	11.2	8.8	9.2	9.2	7.6	7.5	7.1	5.6	5.5	5.3			215
220				11.3	11.1		10.6	11	11.3	9.3	10.1	10.7	8.4	9	9	7.2	7.3	7	5.3	5.3	5.1			220
225							10	10.4		8.9	9.7	10.1	8	8.7	8.9	6.8	7.1	6.8	5	5.1	5			225
230							9.5	9.8		8.5	9.2	9.6	7.6	8.4	8.7	6.3	6.9	6.7	4.8	4.9	4.8			230
235							8.9	9.2		8.1	8.7	9	7.3	8	8.5	5.9	6.6	6.5	4.5	4.7	4.6			235
240							8.4	8.6		7.6	8.3	8.5	6.8	7.6	8.1	5.5	6.4	6.4	4.1	4.5	4.5			240
245										7.2	7.8		6.4	7.2	7.7	5.1	6.2	6.2		4.3	4.3			245
250										6.8	7.3		6	6.8	7.2	4.8	6	6.2		4.1	4.1			250
255										6.4	6.8		5.6	6.4	6.7	4.4	5.6	6.1		3.9	4			255
260										5.9	6.4		5.1	5.9	6.2	4	5.1	5.9		3.7	3.9			260
265										5.5			4.7	5.4		3.6	4.7	5.5		3.5	3.8			265
270													4.2	5			4.3	5			3.7			270
275													3.8	4.5			3.9	4.5			3.6			275
280													3.4	4			3.5	3.9			3.4			280
285													3	3.5										285

* adapter · pièce d'adaptateur

TAB 146525 / 146527 / 146529

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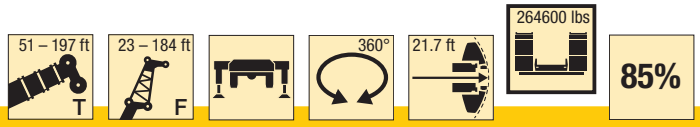
Lifting capacities
Forces de levage

TF



51 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
26	73																						26
28	69.5																						28
30	65.5			63.5																			30
32	62	50.6		60.5			54.1			43.4			34.5			28.2							32
34	58.6	49.7		58.2			53.1			42.9			34.1			27.9							34
36	55.7	48.2		55.7			51.5			42			33.5			27.3							36
38	52.8	46.7		53.2			49.8			41.1			32.9			26.8			21			16.6	38
40	50.2	45.3		50.8			48.2			40.2			32.2			26.3			20.9			16.5	40
45	44.3	42.5	37.1	45.6	41.2		44.3			37.8			30.4			25.1			19.9			15.6	45
50	39.3	39.9	36.6	41.3	39		40.5			35.7			28.6			23.8			18.9			14.9	50
55	35.2	37	35.7	37.3	36.7		36.9	39		33.7			27			22.5			18			14.2	55
60	31.9	33.5	34.6	33.7	34.7	30	33.8	37.1		31.6	28.9		25.5			21.2			17.2			13.4	60
65	28.9	30.2	33.8	30.3	33	29.1	31	34.5	30.6	29.4	27.6		24.2	21.9		20.1			16.2			12.7	65
70	25.7	26.7		27.7	30.4	28.6	28.4	32	29.6	27.4	26.5		23	20.9		19			15.3			12.1	70
75				25.5	27.8	27.8	26	29.6	28.5	25.4	25.4		21.9	19.9		18			14.5			11.4	75
80				23.5	25.3	26.5	23.8	27.3	27.7	23.5	24.4	21.5	20.8	19		17.1	15.2		13.7			10.8	80
85				21.7	23	23.9	21.8	24.9	27	21.7	23.4	20.8	19.9	18.2		16.2	14.4		13			10.2	85
90				20	20.9	23.7	20.3	22.8	25.4	20	22.5	20.2	18.8	17.4		15.5	13.8		12.3	10.8		9.7	90
95							18.9	20.9	23.3	18.3	21.3	19.6	17.6	16.7	14.7	14.8	13.2		11.7	10.5		9.2	95
100							17.6	19.2	21	16.8	20	19.2	16.3	16	14.6	14.1	12.6		11.2	10		8.8	100
105							16.3	17.7	18.9	15.6	18.5	18.9	15	15.4	14	13.5	12.1		10.7	9.5		8.3	105
110							15.1	16.3	18.2	14.7	17	18.5	13.9	15	13.6	12.9	11.6		10.3	9.1		7.9	110
115							13.9	14.8		13.8	15.7	17.6	13	14.5	13.3	12.4	11.1	10	9.8	8.8		7.5	115
120										13	14.5	16.3	12.2	14.1	12.9	11.8	10.7	9.8	9.4	8.4		7.2	120
125										12.1	13.4	14.9	11.5	13.5	12.6	11	10.4	9.5	9	8		6.8	125
130										11.3	12.4	13.4	10.8	12.5	12.5	10.2	10.1	9.3	8.6	7.7		6.5	130
135										10.5	11.3		10.1	11.6	12.4	9.6	9.8	9.1	8.3	7.4	6.6	6.1	135
140													9.5	10.8	12	9	9.6	8.9	7.9	7.2	6.5	5.8	140
145													8.9	10.1	11.4	8.5	9.3	8.7	7.6	7	6.3	5.5	145
150													8.3	9.3	10.4	8	9.1	8.6	7.2	6.7	6.1	5.2	150
155													7.7	8.6	10	7.5	8.8	8.5	6.7	6.5	5.9	4.9	155
160													7.1	7.8		7	8.3	8.4	6.1	6.3	5.8	4.7	160
165																6.5	7.6	8.3	5.6	6.1	5.7	4.3	165
170																6.1	7	8.2	5.2	5.9	5.6	3.9	170
175																5.6	6.4	7.4	4.7	5.8	5.5	3.5	175
180																5.2	5.8		4.2	5.6	5.4	3	180
185																			3.8	5.3	5.3	2.6	185
190																			3.3	4.7	5.3	2.4	190
195																			2.9	4.1	5.1	2.4	195
200																			2.6	3.5	5	2.4	200
205																			2.4	2.9		2.4	205
210																						2.4	210
215																						2.4	215
220																						2.4	220
225																						2.4	225

* adapter · pièce d'adaptateur

TAB 146444 / 146450 / 146456

NESS CAMPBELL CRANE + RIGGING

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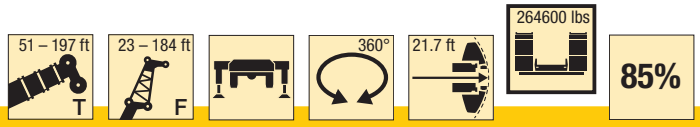
Lifting capacities
Forces de levage

TF



152 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
32	104																						32
34	102																						34
36	100																						36
38	97.5	64		79.5																			38
40	95	64		79																			40
45	89.5	61	44.3	75			60																45
50	84	58.1	43.4	71.5	50.2		58.5			44.4			34.6										50
55	79	55.7	42.4	67.5	49.2		56.5			43.7			34.1			26.7							55
60	74.5	53.5	41.4	64	47.2		54.3			42.4			33.1			26.5							60
65	69.5	51.5	40.5	60.5	45.4	33.7	51.8			41.1			32.1			25.7			20				65
70	65.5	49.7	39.8	57.5	43.7	33.1	49.7	41.1		39.6			30.9			24.9			19.4			14.8	70
75	61.5	48	39.1	54.3	42.3	32.4	47.5	40.6		38.2			29.7			24.1			18.8			14.5	75
80	57.6	46.4	38.5	51.3	40.9	31.7	45.3	39.6		36.9			28.6			23.2			18.2			14	80
85	54.5	45.1	37.9	48.3	39.6	31.2	43.2	38.7	30.8	35.7	28.4		27.6			22.3			17.6			13.5	85
90	51.7	43.9	37.3	45.9	38.3	30.7	41	37.8	30.3	34.6	27.7		26.7			21.5			17			13	90
95	49	42.8	37	43.7	37.2	30.2	38.9	36.5	29.7	33.4	27		25.8	19.9		20.8			16.3			12.5	95
100	46.4	41.7	36.7	41.5	36.1	29.7	37	35	29.2	32.1	26.3	21	24.9	19.7		20			15.7			12	100
105	43.9	40.7	36.5	39.5	35.2	29.2	35.2	33.7	28.7	30.7	25.7	21	24.1	19.2		19.3			15.1			11.6	105
110	41.6	39.7	36.2	37.6	34.4	29	33.6	32.4	28.3	29.5	25.1	20.7	23.3	18.7		18.6	14		14.6			11.2	110
115	39.4	38.7	36	35.7	33.6	28.8	32.1	31.1	27.9	28.3	24.6	20.4	22.5	18.2		18	13.7		14			10.8	115
120	37.4	37.4	35.8	34	32.9	28.6	30.6	29.9	27.5	27.1	24	20.1	21.9	17.7	14.3	17.4	13.4		13.5	9.9		10.4	120
125	35.9	35.9	35.5	32.3	32.1	28.4	29.1	28.8	27.1	25.9	23.5	19.8	21.2	17.3	14.3	16.8	13		13	9.9		10	125
130	34.5	34.5	34.2	30.7	30.6	28.2	27.8	27.5	26.9	24.8	23.1	19.5	20.6	16.8	14	16.2	12.6		12.5	9.6		9.6	130
135	33.1	33.1	32.8	29.1	29.1	28	26.5	26.3	26.3	23.6	22.6	19.2	20	16.4	13.8	15.7	12.3		12.1	9.3		9.3	135
140	31.7	31.8	31.4	27.7	27.9	27.6	25.2	25.1	25.4	22.5	21.9	19	19.4	16	13.6	15.2	12	9.7	11.7	9.1		8.9	140
145	30.4	30.5	30.1	26.7	26.8	26.8	23.9	24	24.4	21.5	21.2	18.9	18.7	15.7	13.4	14.8	11.7	9.7	11.3	8.8		8.6	145
150	29.2	29.3	28.8	25.7	25.7	25.7	22.7	22.9	23.3	20.5	20.4	18.8	17.9	15.4	13.2	14.4	11.4	9.6	11	8.6		8.3	150
155	28	28.1		24.7	24.7	24.7	21.8	21.9	22.3	19.5	19.7	18.6	17.2	15.1	13	14	11.1	9.4	10.7	8.3		8	155
160	26.7	26.9		23.8	23.7	23.7	21	21	21.3	18.5	18.9	18.4	16.3	14.8	12.8	13.6	10.8	9.3	10.4	8.1	6.4	7.7	160
165	25.3	25.6		22.9	22.8	22.8	20.2	20.2	20.4	17.6	18.1	18.1	15.5	14.6	12.6	13.2	10.6	9.1	10.1	7.9	6.4	7.5	165
170	23.9	24.1		22	21.9	21.8	19.5	19.4	19.5	16.6	17.3	17.5	14.7	14.3	12.6	12.8	10.4	9	9.8	7.7	6.3	7.2	170
175				21.1	21		18.7	18.7	18.8	16	16.4	16.8	13.9	14.1	12.5	12.4	10.2	8.9	9.5	7.5	6.2	7	175
180				20.3	20.1		18	18	18	15.4	15.7	16.2	13.3	13.7	12.4	12.1	10.1	8.8	9.2	7.3	6.1	6.7	180
185				19.5	19.3		17.3	17.3	17.3	14.9	15.1	15.5	12.9	13.3	12.4	11.7	9.9	8.7	9	7.2	6	6.5	185
190				18.7	18.4		16.6	16.6	16.5	14.3	14.6	14.9	12.4	12.8	12.3	11.1	9.7	8.7	8.7	7	5.9	6.3	190
195				17.8			15.9	16	15.8	13.8	14	14.3	11.9	12.2	12.2	10.5	9.6	8.6	8.5	6.9	5.8	6	195
200							15.3	15.4		13.3	13.5	13.7	11.5	11.7	12	10.1	9.4	8.6	8.2	6.8	5.7	5.8	200
205							14.6	14.8		12.8	12.9	13.1	11	11.2	11.6	9.7	9.2	8.5	8	6.6	5.7	5.6	205
210							10.6	10.8		12.3	12.4	12.5	10.6	10.8	11.2	9.3	9.1	8.4	7.7	6.5	5.6	5.4	210
215							10.1	10.3		11.8	11.9	12	10.2	10.4	10.7	9	9	8.3	7.5	6.4	5.6	5.2	215
220										11.4	11.4		9.8	10	10.3	8.6	8.9	8.3	7.2	6.2	5.5	5	220
225										10.9	10.9		9.4	9.6	9.9	8.3	8.6	8.3	6.9	6.1	5.5	4.8	225
230										10.5			9	9.2	9.4	7.9	8.2	8.3	6.5	6	5.4	4.6	230
235										10			8.6	8.8	9	7.6	7.9	8.2	6.2	5.9	5.3	4.4	235
240													8.3	8.5		7.3	7.5	7.9	5.8	5.8	5.3	4.1	240
245													7.9	8.1		7	7.2	7.5	5.5	5.8	5.2	3.8	245
250													7.6	7.7		6.7	6.8	7.1	5.2	5.7	5.2		250
255													7.2	7.4		6.4	6.5	6.8	4.9	5.4	5.2		255
260																6.1	6.2	6.4	4.5	5.1	5.2		260
265																5.8	5.8		4.2	4.7	5.1		265
270																5.5	5.5		3.9	4.4	4.9		270
275																5.2	5.3		3.6	4.1	4.5		275
280																4.9			3.3	3.7	4.1		280
285																			3	3.4			285
290																			2.8	3.1			290
295																			2.5	2.8			295

* adapter · pièce d'adaptateur

TAB 146444 / 146450 / 146456

NESS CAMPBELL CRANE + RIGGING

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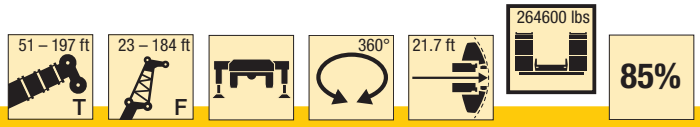
Lifting capacities
Forces de levage

TF



169 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	88.5																						38
40	88																						40
45	84	61		69.5																			45
50	80.5	58.8	43.1	67			53.8			41.1													50
55	76.5	56.4	42.7	64.5	47.7		52.9			40.6			31										55
60	72.5	54.3	41.8	61	47.4		51.2			39.6			30.9										60
65	68.5	52.4	40.9	58.2	45.6		49.2			38.7			30			23.9							65
70	65	50.7	40.2	55.7	44	32.9	47.3			37.5			29.2			23.3			17.9				70
75	61	49.1	39.6	53.2	42.6	32.5	45.5	38.8		36.3			28.3			22.6			17.6			13.1	75
80	57.6	47.6	39	50.8	41.3	31.9	43.7	38.6		35.2			27.3			22			17.1			13	80
85	54.2	46.1	38.4	48.3	40	31.4	41.9	37.8		34.2			26.4			21.3			16.6			12.6	85
90	51.3	44.8	37.9	46	38.9	30.9	40.2	36.9	30.3	33.3	26.7		25.6			20.6			16.1			12.1	90
95	48.6	43.6	37.4	43.7	37.8	30.4	38.5	35.8	30	32.3	26.3		24.8			19.9			15.5			11.6	95
100	46	42.7	37	41.5	36.8	30	36.8	34.5	29.6	31.3	25.8		24	18.7		19.2			15			11.2	100
105	43.5	41.7	36.8	39.4	35.8	29.6	35.2	33.3	29.3	30.1	25.2		23.3	18.7		18.6			14.4			10.8	105
110	41.2	40.8	36.6	37.4	35	29.2	33.7	32.1	29	29	24.7	20.3	22.6	18.3		18			14			10.4	110
115	39	39.1	36.5	35.5	34.3	28.9	32.3	31	28.7	28	24.2	20.1	21.9	17.8		17.4	13.1		13.5			10.1	115
120	36.8	37	36.2	33.7	33.6	28.7	30.8	30	28.4	26.9	23.7	19.9	21.3	17.4		16.8	13		13			9.7	120
125	34.6	35	35.7	32	32.8	28.5	29.3	29	27.8	25.9	23.2	19.6	20.7	17		16.3	12.6		12.6			9.4	125
130	32.5	33	33.8	30.3	31.2	28.4	28	27.9	27	24.9	22.8	19.4	20.1	16.6	13.8	15.8	12.3		12.2	9.3		9.1	130
135	30.8	31.3	31.9	28.7	29.7	28.2	26.6	26.8	26.2	23.8	22.3	19.1	19.6	16.2	13.6	15.3	12		11.7	9.1		8.7	135
140	29.3	29.7	30.1	27.1	28.1	27.9	25.3	25.7	25.5	22.7	21.7	18.9	19.1	15.9	13.4	14.9	11.7		11.3	8.9		8.5	140
145	27.9	28.2	28.4	25.6	26.7	27.3	24	24.7	24.7	21.6	21.1	18.7	18.6	15.5	13.2	14.5	11.5		11	8.6		8.2	145
150	26.5	26.8	26.9	24.5	25.3	25.9	22.8	23.7	23.7	20.6	20.4	18.6	18	15.1	13	14.1	11.2	9.4	10.7	8.4		7.9	150
155	25.1	25.4	25.4	23.4	24.1	24.6	21.6	22.6	22.8	19.6	19.8	18.5	17.4	14.9	12.9	13.8	11	9.3	10.4	8.2		7.6	155
160	24.2	24.3	24	22.2	23	23.5	20.4	21.4	22	18.6	19.1	18.4	16.7	14.7	12.7	13.4	10.7	9.2	10.1	8		7.4	160
165	23.2	23.4		21.2	21.9	22.3	19.3	20.3	21.1	17.6	18.5	18.2	15.9	14.4	12.5	13.1	10.5	9.1	9.9	7.8		7.1	165
170	22.3	22.5		20.1	20.8	21.1	18.6	19.2	20.3	16.6	17.7	17.7	15.1	14.2	12.5	12.7	10.3	8.9	9.6	7.6	6.2	6.9	170
175	21.3	21.6		19.1	19.7	19.9	17.8	18.4	19.4	15.7	17	17.2	14.4	14	12.4	12.4	10.2	8.8	9.4	7.4	6.1	6.6	175
180	20.5	20.7		18.1	18.7	18.7	17	17.5	18.4	14.9	16.3	16.6	13.6	13.8	12.4	12.1	10	8.7	9.1	7.2	6	6.4	180
185	19.6			17.2	17.6		16.3	16.8	17.5	14.3	15.6	16	12.9	13.5	12.3	11.8	9.9	8.6	8.9	7.1	5.9	6.2	185
190	18.8			16.4	16.6		15.5	16	16.6	13.8	14.8	15.3	12.1	13	12.3	11.5	9.7	8.5	8.7	7	5.8	6	190
195				15.7	15.9		14.7	15.2	15.7	13.2	14.1	14.8	11.4	12.6	12.2	11	9.6	8.5	8.5	6.8	5.7	5.8	195
200				15	15.3		14	14.4	14.8	12.6	13.5	14.2	10.9	12.1	12.1	10.4	9.4	8.5	8.3	6.7	5.6	5.6	200
205				14.4			13.3	13.6	13.9	12	12.9	13.5	10.4	11.6	11.9	9.8	9.3	8.4	8.1	6.6	5.6	5.4	205
210							12.6	12.9		11.5	12.3	12.8	10	11.2	11.6	9.3	9.2	8.4	7.9	6.5	5.5	5.3	210
215							11.9	12.1		10.9	11.7	12.2	9.6	10.7	11.2	8.9	9	8.4	7.5	6.3	5.5	5.1	215
220							11.5	11.4		10.4	11.1	11.5	9.2	10.2	10.8	8.5	8.9	8.3	7.1	6.2	5.5	4.9	220
225							11			9.8	10.5	10.8	8.8	9.7	10.3	8.1	8.7	8.3	6.7	6.1	5.4	4.7	225
230										9.3	10		8.4	9.2	9.8	7.7	8.5	8.2	6.2	6	5.4	4.5	230
235										8.8	9.3		7.9	8.8	9.2	7.3	8.2	8.2	5.8	5.9	5.4	4.2	235
240										8.3	8.8		7.5	8.3	8.7	6.9	7.8	8.1	5.4	5.8	5.3	3.8	240
245										7.9	8.2		7.1	7.9	8.2	6.4	7.4	8	5	5.7	5.2		245
250													6.7	7.4		6	7	7.6	4.6	5.6	5.2		250
255													6.2	6.9		5.6	6.6	7.2	4.2	5.6	5.2		255
260													5.9	6.4		5.2	6.1	6.7	3.9	5.2	5.2		260
265													5.6	6		4.7	5.7	6.3	3.5	4.8	5.2		265
270													5.3			4.3	5.2	5.7		4.4	5.1		270
275													5			3.9	4.8	5.1		4	4.8		275
280																3.5	4.3			3.6	4.3		280
285																3.1	3.8				3.8		285
290																2.8	3.2						290
295																2.5	2.7						295

* adapter · pièce d'adaptateur

TAB 146444 / 146450 / 146456

NESS CAMPBELL CRANE + RIGGING

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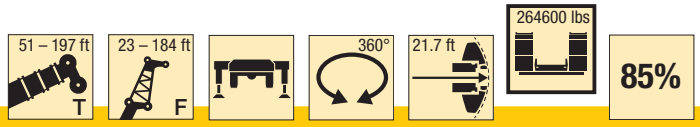
Lifting capacities
Forces de levage

TF



ft	186 ft + 8 ft*																				197 ft + 8 ft*		ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	
45	71			56.2																				45
50	69	58.7	42.9	55			44.1																	50
55	66	57.6	42.5	53.4			43.4			34.5														55
60	62.5	55.5	41.6	51.7			42.1			34.3														60
65	59.6	53.5	40.9	49.7	44.3		40.8			33.2			26.4											65
70	56.9	51.8	40.2	47.6	43.1		39.3			32.2			25.9			20								70
75	54.3	50.3	39.6	45.7	41.8	31.8	37.9	33.4		31.2			25.3			19.8			15					75
80	51.6	48.9	39.1	43.9	40.5	31.6	36.5	33.1		30			24.7			19.3			14.9					80
85	49.1	47.5	38.6	42.2	39.4	31.1	35.1	32		28.9			24			18.9			14.5			10.7		85
90	46.7	45.8	38.1	40.5	38.3	30.7	33.8	31		27.9			23.2			18.3			14.1			10.5	9.2	90
95	44.3	43.8	37.6	38.8	37	30.3	32.5	29.9	26.2	27	23.3		22.4			17.7			13.6			10.2	9	95
100	42	41.8	37.2	37.1	35.7	29.9	31.3	29	26	26	23.1		21.6			17.2			13.2			9.9	8.7	100
105	39.9	40	36.7	35.5	34.3	29.6	30.1	28.1	25.2	25	22.3		20.8			16.7			12.8			9.5	8.2	105
110	37.9	38.3	36.6	34	33.1	29.3	29	27.2	24.6	24.1	21.6		20	17.1		16.2			12.4			9.2	7.9	110
115	35.9	36.4	36.1	32.5	31.9	28.9	28	26.4	24	23.2	20.9	18.5	19.3	16.8		15.8			12.1			8.9	7.5	115
120	34.1	34.6	35	31.1	30.7	28.6	26.9	25.5	23.3	22.3	20.3	18.3	18.6	16.4		15.3	11.9		11.7			8.6	7.2	120
125	32.3	32.9	33.2	29.6	29.4	28.3	26	24.6	22.8	21.5	19.6	17.8	17.9	15.8		14.9	11.9		11.4			8.3	6.8	125
130	30.5	31.2	31.5	28.1	28.2	28.2	25	23.8	22.2	20.7	19	17.3	17.2	15.3		14.3	11.6		11.1			8	6.5	130
135	28.9	29.6	29.9	26.7	27.1	27.3	24	23	21.7	19.9	18.4	16.9	16.6	14.8	13.1	13.8	11.4		10.8	8.4		7.7	6.2	135
140	27.4	28	28.4	25.4	26	26.2	22.9	22.3	21.2	19.2	17.9	16.5	16	14.3	12.9	13.2	11.1		10.5	8.3		7.5		140
145	26.2	26.5	26.9	24.1	24.8	25.2	21.8	21.5	20.7	18.5	17.3	16	15.4	13.8	12.6	12.7	10.9		10.2	8.1		7.2		145
150	25	25.4	25.6	22.8	23.6	24.2	20.7	20.8	20.3	17.8	16.8	15.6	14.9	13.4	12.3	12.3	10.7		9.9	7.9		7		150
155	23.8	24.3	24.4	21.6	22.4	23	19.7	20.2	19.8	17.2	16.4	15.2	14.4	13	12	11.9	10.5	8.9	9.5	7.7		6.8		155
160	22.7	23.1	23.1	20.6	21.2	21.8	18.7	19.5	19.3	16.5	15.9	14.9	13.9	12.6	11.7	11.5	10.3	8.9	9.2	7.6		6.5		160
165	21.5	21.9	21.9	19.7	20.1	20.7	17.7	18.7	18.7	15.9	15.4	14.5	13.4	12.2	11.4	11.1	10	8.8	8.8	7.4		6.2		165
170	20.4	20.8	20.7	18.9	19.1	19.7	16.7	17.9	18.1	15.1	14.9	14.2	12.9	11.9	11.1	10.7	9.7	8.7	8.4	7.2		5.9		170
175	19.3	19.7	19.5	18.1	18.2	18.8	16	16.9	17.4	14.3	14.4	13.9	12.4	11.6	10.8	10.3	9.4	8.6	8.1	7	5.8	5.6		175
180	18.3	18.7		17.3	17.2	17.8	15.4	16	16.7	13.5	13.9	13.6	12	11.3	10.6	10	9.1	8.4	7.7	6.9	5.8	5.3		180
185	17.3	17.7		16.5	16.4	16.9	14.7	15.2	16.1	12.8	13.5	13.3	11.5	11	10.4	9.6	8.9	8.2	7.4	6.7	5.7	5		185
190	16.3	16.7		15.7	15.6	16	14.1	14.6	15.5	12	13	13.1	11.1	10.8	10.2	9.3	8.7	8	7.1	6.6	5.6	4.7		190
195	15.3	15.7		15	14.7	15	13.5	13.9	14.7	11.5	12.5	12.7	10.7	10.5	10	9	8.4	7.8	6.8	6.4	5.5			195
200				14.2	13.9		12.9	13.3	14	11.1	12.1	12.3	10.2	10.2	9.8	8.7	8.2	7.6	6.5	6.2	5.5			200
205				13.4	13.2		12.4	12.7	13.3	10.6	11.7	12	9.7	9.9	9.6	8.3	7.9	7.5	6.2	5.9	5.4			205
210				12.7	12.5		11.8	12.1	12.6	10.2	11.1	11.6	9.2	9.5	9.4	8	7.7	7.3	5.9	5.7	5.3			210
215				12	11.8		11.2	11.6	11.9	9.7	10.6	11.2	8.8	9.2	9.2	7.6	7.5	7.1	5.6	5.5	5.3			215
220				11.3	11.1		10.6	11	11.3	9.3	10.1	10.7	8.4	9	9	7.2	7.3	7	5.3	5.3	5.1			220
225							10	10.4		8.9	9.7	10.1	8	8.7	8.9	6.8	7.1	6.8	5	5.1	5			225
230							9.5	9.8		8.5	9.2	9.6	7.6	8.4	8.7	6.3	6.9	6.7	4.8	4.9	4.8			230
235							8.9	9.2		8.1	8.7	9	7.3	8	8.5	5.9	6.6	6.5	4.5	4.7	4.6			235
240							8.4	8.6		7.6	8.3	8.5	6.8	7.6	8.1	5.5	6.4	6.4	4.1	4.5	4.5			240
245										7.2	7.8		6.4	7.2	7.7	5.1	6.2	6.2		4.3	4.3			245
250										6.8	7.3		6	6.8	7.2	4.8	6	6.2		4.1	4.1			250
255										6.4	6.8		5.6	6.4	6.7	4.4	5.6	6.1		3.9	4			255
260										5.9	6.4		5.1	5.9	6.2	4	5.1	5.9		3.7	3.9			260
265										5.5			4.7	5.4		3.6	4.7	5.5		3.5	3.8			265
270													4.2	5			4.3	5			3.7			270
275													3.8	4.5			3.9	4.5			3.6			275
280													3.4	4			3.5	3.9			3.4			280
285													3	3.5										285

* adapter · pièce d'adaptateur

TAB 146444 / 146450 / 146456

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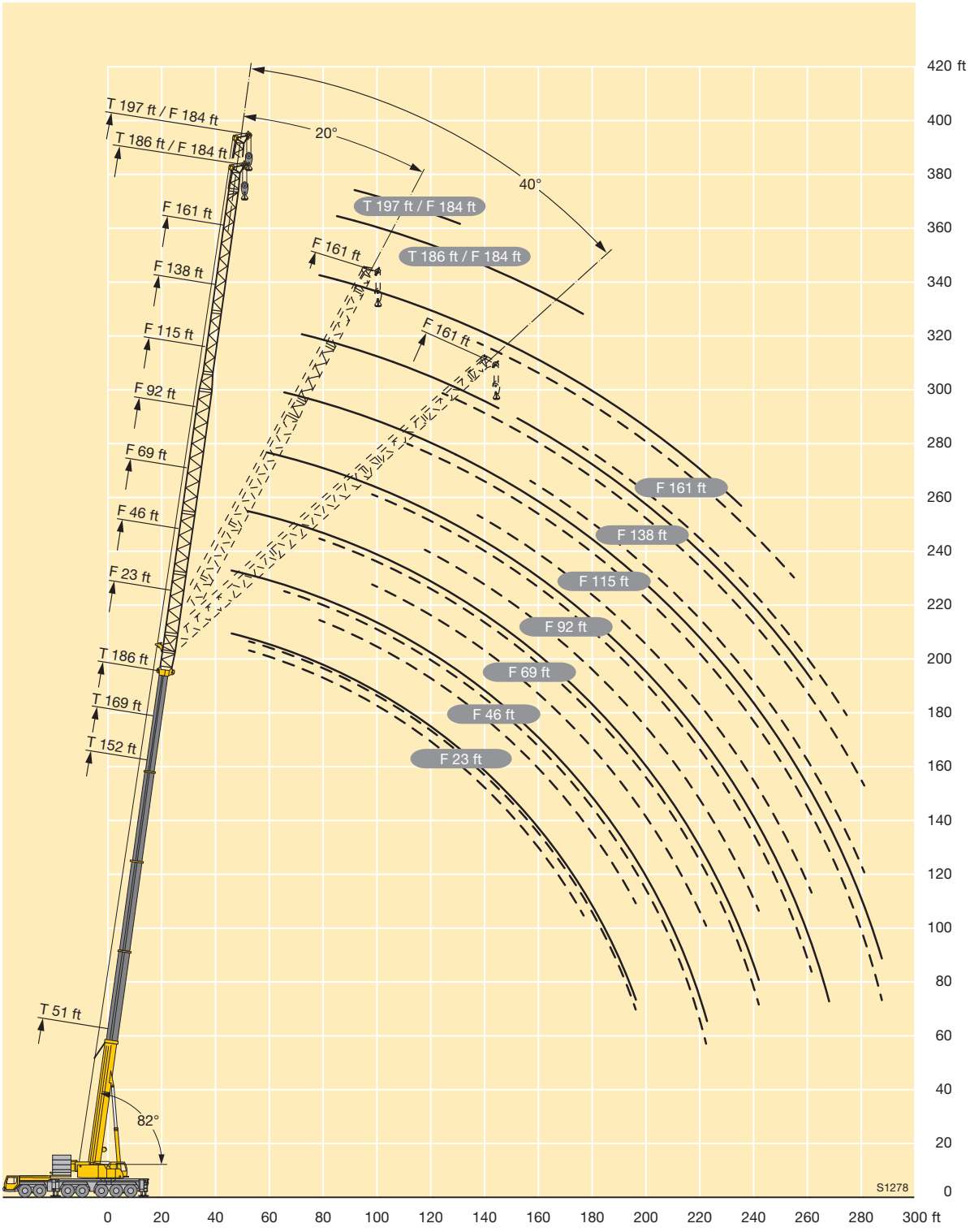

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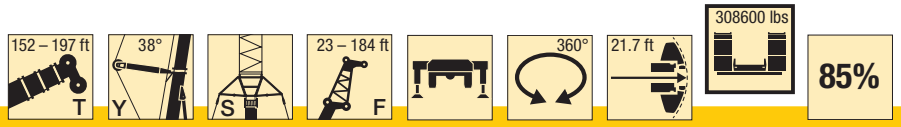
Lifting capacities
Forces de levage

TYSF



152 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	119			99																			38
40	117			98.5																			40
45	109	62.5		92			75			56.6													45
50	102	60		87			72.5			54.6			42.1										50
55	96	57.7	42.8	82	51.4		69.5			52.2			41.3			31.7							55
60	90	55.4	41.9	77.5	49.3		66.5			50.1			39.6			31.5							60
65	85	53.3	41	73	47.4	34.4	63	47.1		48.2			38.1			30.3			24.7				65
70	80	51.4	40.3	68.5	45.7	33.7	59.5	45.9		46.4			36.6			29.1			23.8			18.7	70
75	74.5	49.6	39.6	64.5	44.1	33	56.2	44.7		44.7	32.1		35.2			28			22.9			18.3	75
80	69.5	48	38.9	61	42.6	32.3	53.2	43.4	32.5	43.1	31.8		33.9			26.9			22			17.6	80
85	65.5	46.6	38.3	57.6	41.2	31.7	50.5	42.2	31.8	41.5	30.9		32.7			25.8			21.2			16.8	85
90	62	45.3	37.7	54.4	39.9	31.2	48	40.9	31.1	39.9	30		31.5	23.2		24.9			20.4			16.2	90
95	58.5	44.1	37.3	51.3	38.7	30.6	45.7	39.7	30.5	38.3	29.1	22.8	30.5	22.7		24			19.6			15.5	95
100	55.2	42.9	37	48.4	37.5	30.1	43.3	38.5	29.9	36.8	28.3	22.7	29.4	22		23.2	16.7		18.9			14.8	100
105	52	41.8	36.6	45.7	36.6	29.7	40.9	37.4	29.4	35.5	27.6	22.3	28.1	21.3		22.4	16.7		18.2			14.2	105
110	49	40.8	36.3	43	35.6	29.4	38.6	36.3	28.9	34.1	26.9	21.9	27	20.7		21.6	16.1		17.6			13.7	110
115	46.5	39.7	36.1	40.8	34.8	29.1	36.6	35.2	28.4	32.5	26.2	21.5	26	20.2	15.7	20.8	15.6		16.9	11.9		13.1	115
120	44.4	39	35.8	38.9	33.9	28.8	34.8	34	28	30.9	25.5	21.1	25.1	19.6	15.6	19.9	15.1		16.3	11.8		12.6	120
125	42.3	38.6	35.5	37	33.1	28.5	33.1	32.4	27.6	29.3	24.9	20.8	24.3	19	15.2	19.1	14.6		15.7	11.4		12.1	125
130	40.4	38.2	35.5	35.3	32.3	28.3	31.5	31	27.3	27.9	24.4	20.5	23.5	18.5	14.9	18.2	14.2		15	11		11.6	130
135	38.5	37.9	35.5	33.6	31.6	28	30	29.6	27	26.5	23.9	20.1	22.7	18	14.6	17.6	13.7		14.3	10.6		11.1	135
140	36.6	37.1	35.5	31.9	31	27.8	28.5	28.3	26.8	25.1	23.5	19.9	22	17.5	14.4	17	13.3	10.5	13.7	10.3		10.7	140
145	34.9	35.7	35.2	30.3	30.6	27.6	27	27	26.5	23.8	23	19.7	21.3	17.1	14.1	16.4	12.9	10.4	13.3	10		10.3	145
150	33.4	34.3	33.7	28.8	29.4	27.6	25.6	25.7	25.7	22.5	22.6	19.5	20.6	16.7	13.9	15.9	12.5	10.2	12.9	9.7		9.9	150
155	32	32.8	32.3	27.6	28.2	27.5	24.5	24.5	24.6	21.5	21.8	19.3	19.7	16.4	13.7	15.4	12.1	10	12.5	9.4		9.5	155
160	30.8	31.5		26.6	27.1	26.9	23.4	23.5	23.5	20.5	20.9	19.1	18.7	16	13.4	14.9	11.8	9.9	12.1	9.1	7.1	9.2	160
165				25.5	26	25.8	22.4	22.5	22.5	19.6	19.9	19	17.7	15.7	13.2	14.4	11.6	9.7	11.7	8.9	7	8.9	165
170				24.6	25	24.8	21.5	21.6	21.7	18.7	19	18.8	16.7	15.4	13.1	13.9	11.4	9.5	11.3	8.6	6.9	8.6	170
175				23.6	24	23.8	20.5	20.8	20.8	17.8	18.1	18.5	15.7	15.1	13	13.5	11.1	9.4	10.9	8.4	6.8	8.2	175
180				22.7	23		19.6	19.9	20	17	17.3	17.9	15	14.8	12.9	13	10.9	9.3	10.6	8.2	6.6	8	180
185				21.8			18.7	19.1	19.2	16.2	16.6	17.2	14.5	14.5	12.8	12.6	10.7	9.2	10.3	8	6.5	7.7	185
190				20.9			17.9	18.3	18.5	15.5	16	16.5	13.9	14.2	12.6	12.1	10.5	9	9.9	7.8	6.3	7.4	190
195							17.2	17.5	17.7	15	15.4	15.8	13.4	13.6	12.5	11.4	10.3	8.9	9.6	7.6	6.3	7.1	195
200							16.6	16.8		14.4	14.8	15.1	12.9	13.1	12.4	10.9	10.1	8.8	9.3	7.5	6.2	6.9	200
205							16	16.1		13.9	14.2	14.5	12.4	12.6	12.3	10.5	9.9	8.7	9	7.3	6.1	6.6	205
210										13.3	13.6	13.9	11.9	12.1	12.3	10.1	9.7	8.6	8.7	7.1	6	6.3	210
215										12.8	13.1	13.3	11.5	11.6	11.8	9.7	9.6	8.5	8.4	7	5.9	6.1	215
220										12.3	12.5		11	11.2	11.3	9.4	9.5	8.4	8.1	6.8	5.8	5.8	220
225										11.9	12		10.6	10.8	10.8	9	9.4	8.4	7.9	6.7	5.7	5.6	225
230										11.3			10.1	10.3	10.4	8.7	9.1	8.4	7.5	6.5	5.6	5.4	230
235										10.9			9.7	9.9	9.9	8.3	8.7	8.4	7.1	6.3	5.5	5.2	235
240													9.3	9.5	9.5	8	8.3	8.4	6.8	6.2	5.4	4.9	240
245													8.9	9		7.6	7.9	8.2	6.4	6.2	5.4	4.6	245
250													8.5	8.6		7.3	7.6	7.8	6.1	6.1	5.4	4.3	250
255													8.1	8.3		7	7.2	7.4	5.7	6	5.4	3.9	255
260																6.7	6.9	7	5.4	5.8	5.4	3.6	260
265																6.4	6.5		5.1	5.5	5.4		265
270																6.1	6.2		4.7	5.1	5.3		270
275																5.8	5.9		4.4	4.8	5.2		275
280																5.5			4.1	4.4	4.8		280
285																			3.8	4.1			285
290																			3.5	3.8			290
295																			3.2	3.4			295
300																			2.8	3.1			300

* adapter · pièce d'adaptateur

TAB 146462 / 146472 / 146482

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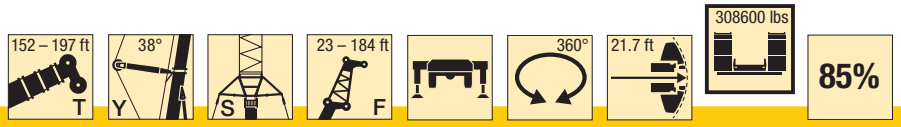
Lifting capacities
Forces de levage

TYSF



169 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	113			94.5																			38
40	112			94																			40
45	104	63		88			72.5																45
50	97	61		82.5			70			52.4			40.6										50
55	90.5	58.6	43.2	77.5	51.5		66.5			51.5			39.9			30.6							55
60	85	56.4	42.3	72.5	49.6		62.5			49.7			38.4			30.4							60
65	80	54.5	41.4	68.5	47.8	34.4	59.3	46.7		47.9			37			29.3			23.8				65
70	75	52.7	40.7	64.5	46.2	33.8	56.1	45.6		46.2			35.7			28.3			23.1			18	70
75	71	51	40.1	61	44.7	33.2	53.2	44.4		44.6	31.8		34.5			27.3			22.2			17.6	75
80	66.5	49.4	39.4	57.7	43.3	32.5	50.5	43.3		43.2	31.6		33.3			26.4			21.4			17	80
85	62.5	47.9	38.8	54.5	41.9	32	47.9	42.2	31.7	41.8	30.7		32.1			25.5			20.7			16.3	85
90	58.9	46.5	38.3	51.5	40.7	31.5	45.5	41.1	31.1	40	29.9		31.1			24.7			19.9			15.7	90
95	55.7	45.3	37.8	48.9	39.5	31	43.2	39.9	30.5	38.1	29.1		30.1	22.2		23.8			19.2			15	95
100	52.8	44.2	37.3	46.5	38.4	30.5	41	38.8	30	36.3	28.3	22.2	29.2	22		23.1			18.5			14.4	100
105	50	43.1	37	44.1	37.3	30	38.8	37.7	29.5	34.5	27.6	22.2	28.2	21.3		22.4			17.9			13.9	105
110	47.5	42.2	36.8	41.9	36.5	29.6	37.1	36.4	29.1	32.8	26.9	21.8	27.3	20.7		21.7	15.9		17.3			13.3	110
115	45.1	41.2	36.5	39.7	35.6	29.3	35.4	34.8	28.6	31.4	26.3	21.5	26.3	20.2		21	15.5		16.7			12.9	115
120	42.7	40.3	36.3	37.7	34.9	29	33.7	33	28.2	30	25.7	21.1	25.3	19.6	15.2	20.3	15		16.1	11.4		12.4	120
125	40.4	39.4	36.1	35.7	34.1	28.8	32.1	31.5	27.8	28.7	25.1	20.8	24.4	19.1	15.2	19.5	14.6		15.6	11.3		11.9	125
130	38.2	38	35.8	33.8	33.4	28.5	30.5	30.1	27.4	27.5	24.5	20.5	23.7	18.6	14.9	18.7	14.1		15.1	10.9		11.4	130
135	36.6	36.7	35.6	32	32.1	28.3	29	28.7	27.2	26.2	24	20.2	22.8	18.2	14.6	18	13.8		14.5	10.6		11	135
140	35.3	35.3	34.9	30.3	30.6	28.1	27.5	27.4	26.7	24.9	23.5	19.9	21.8	17.7	14.4	17.4	13.4	10.4	13.9	10.3		10.6	140
145	33.9	33.9	33.6	28.7	29.1	27.8	26.1	26.1	26.1	23.7	23.1	19.7	20.9	17.3	14.2	16.9	13	10.4	13.3	10		10.2	145
150	32.7	32.6	32.3	27.6	27.6	27.5	24.7	24.9	24.9	22.5	22.2	19.5	19.9	16.8	13.9	16.4	12.6	10.2	12.9	9.7		9.8	150
155	31.5	31.3	31	26.6	26.6	26.5	23.4	23.7	23.8	21.3	21.3	19.4	19	16.5	13.7	15.9	12.3	10	12.5	9.4		9.4	155
160	30.3	30.1	29.8	25.6	25.6	25.5	22.2	22.6	22.7	20.2	20.3	19.2	18	16.2	13.5	15.4	12	9.9	12.2	9.2		9.1	160
165	29.1	28.9	28.6	24.6	24.7	24.6	21.1	21.4	21.7	19.1	19.3	19.1	17.1	15.9	13.3	15	11.6	9.7	11.8	8.9		8.8	165
170	28	27.8	27.4	23.7	23.8	23.6	20.3	20.4	20.7	18	18.4	19	16.2	15.6	13.2	14.6	11.4	9.6	11.5	8.7	6.9	8.5	170
175	26.9	26.7		22.8	22.9	22.7	19.6	19.5	19.8	17	17.5	18.2	15.4	15.3	13.1	14	11.2	9.4	11.1	8.4	6.7	8.2	175
180	25.8	25.6		21.9	22	21.8	18.9	18.8	18.9	16.2	16.7	17.4	14.5	15	13	13.4	11	9.3	10.8	8.2	6.6	7.9	180
185				21	21.2	21	18.2	18.1	18.2	15.6	15.8	16.6	13.7	14.6	12.9	12.7	10.8	9.2	10.5	8	6.5	7.7	185
190				20.2	20.4	20.1	17.5	17.4	17.5	15	15	15.8	12.9	14	12.8	12.1	10.6	9.1	10.2	7.9	6.4	7.4	190
195				19.4	19.6		16.9	16.8	16.8	14.5	14.4	15.1	12.1	13.3	12.6	11.5	10.5	9	9.8	7.7	6.3	7.2	195
200				18.5	18.9		16.2	16.1	16.1	13.9	13.8	14.5	11.5	12.6	12.5	10.9	10.3	8.9	9.4	7.5	6.2	6.9	200
205							15.6	15.5	15.5	13.4	13.3	13.9	11.1	11.9	12.3	10.3	10.1	8.8	8.9	7.4	6.1	6.6	205
210							15	14.9		12.9	12.7	13.3	10.7	11.4	11.9	9.7	9.9	8.7	8.3	7.2	6	6.4	210
215							14.4	14.3		12.4	12.2	12.7	10.3	11	11.4	9.3	9.8	8.6	7.9	7.1	5.9	6.1	215
220							13.9	13.7		11.9	11.7	12.2	10	10.5	10.9	8.9	9.5	8.5	7.4	6.9	5.8	5.7	220
225							13.3			11.4	11.3	11.7	9.6	10.1	10.4	8.6	9.1	8.4	6.9	6.8	5.7	5.3	225
230										11	10.8		9.2	9.7	9.9	8.2	8.6	8.3	6.5	6.6	5.6	4.8	230
235										10.5	10.4		8.9	9.3	9.5	7.9	8.2	8.3	6.1	6.5	5.6	4.4	235
240										10.1	9.9		8.5	8.8	9	7.5	7.8	8.2	5.7	6.4	5.5	4.1	240
245										9.7	9.5		8.2	8.4	8.6	7.2	7.4	7.9	5.4	6.2	5.4		245
250													7.9	8.1	8.2	6.9	7	7.5	5	5.9	5.3		250
255													7.6	7.7	7.8	6.5	6.7	7.1	4.7	5.5	5.3		255
260													7.2	7.4		6.2	6.4	6.7	4.4	5.1	5.3		260
265													6.9	7		5.9	6.1	6.3	4	4.7	5.3		265
270													6.6			5.5	5.7	6	3.7	4.4	5.1		270
275													6.3			5.2	5.4	5.6	3.4	4.1	4.7		275
280																4.9	5.1		3.1	3.8	4.3		280
285																4.6	4.7			3.4	3.9		285
290																4.2	4.4				3.5		290
295																3.9	4.1				3.2		295

* adapter · pièce d'adaptateur

TAB 146462 / 146472 / 146482

NESS CAMPBELL CRANE + RIGGING

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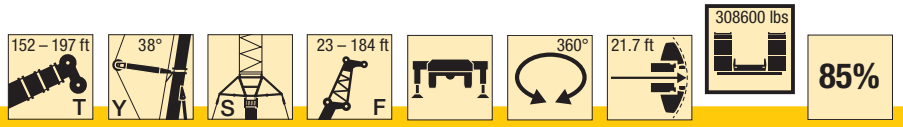
Lifting capacities
Forces de levage

TYSF



ft	186 ft + 8 ft*																				197 ft + 8 ft*		ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	
38	100																							38
40	99																							40
45	92.5	63		76.5			64.5																	45
50	87	61		73			61.5			49.5														50
55	81.5	58.9	43.3	69	49.5		58.2			48.7			36.7											55
60	76.5	56.8	42.5	65	49.2		55.2			47			36.4											60
65	72	54.9	41.7	61.5	47.5	34.4	52.4			45.1			35.2			28.4								65
70	68	53.2	41	58.1	46	33.8	49.7	44.2		43			34.1			27.6			21.6					70
75	64	51.6	40.4	55	44.6	33.2	47.1	43.6		41			33			26.7			21.2					75
80	60.5	50.1	39.8	52.1	43.2	32.6	44.7	42.5		38.9			32			25.9			20.5					80
85	57.2	48.7	39.2	49.4	42	32	42.5	41.3		37	30.1		30.9			25.1			19.8			15.4		85
90	54	47.3	38.7	46.8	40.9	31.5	40.5	39.8	30.6	35.3	29.4		30			24.3			19.1			14.9	14	90
95	51.2	46.1	38.2	44.4	39.8	31.1	38.5	38.1	30.3	33.7	28.7		28.9			23.5			18.5			14.4	13.7	95
100	48.6	44.9	37.7	42.1	38.7	30.6	36.6	36.4	29.8	32.1	28		27.6	21.1		22.8			17.8			13.9	13.2	100
105	46.1	43.9	37.2	40.2	37.8	30.2	34.7	34.8	29.3	30.6	27.3		26.4	21.1		22.1			17.2			13.3	12.7	105
110	43.7	42.7	37	38.4	36.8	29.8	33	33.2	28.9	29.2	26.7	21.5	25.2	20.5		21.5			16.7			12.9	12.2	110
115	41.4	40.9	36.7	36.6	35.4	29.5	31.5	31.6	28.5	27.8	26.1	21.3	24	19.9		20.8	15.1		16.2			12.4	11.8	115
120	39.2	38.9	36.5	34.8	33.8	29.1	30.1	30	28.2	26.4	25.5	21	22.9	19.4		20.2	14.9		15.6			11.9	11.4	120
125	37.2	36.9	36.2	33.1	32.2	28.8	28.8	28.5	27.8	25.2	25	20.6	21.8	19		19.5	14.4		15.2			11.5	11	125
130	35.1	35.1	35	31.4	30.7	28.6	27.5	27.2	27	24.1	24.1	20.4	20.8	18.5	14.7	18.6	14.1		14.7			11.1	10.6	130
135	33.2	33.3	33.4	29.8	29.3	28.4	26.2	26	25.8	23.1	23	20.1	19.8	18.1	14.5	17.7	13.7		14.2	10.4		10.7	10.2	135
140	31.5	31.6	31.8	28.2	28	27.8	24.8	24.8	24.7	22.1	21.9	19.9	18.8	17.6	14.3	16.9	13.3		13.8	10.3		10.3	9.9	140
145	30.3	29.9	30.2	26.7	26.6	26.5	23.6	23.7	23.6	21.1	20.7	19.6	18	17.2	14.1	16.1	13		13.3	10		9.9	9.5	145
150	29	28.8	29	25.3	25.4	25.3	22.3	22.6	22.5	20.1	19.8	19.4	17.2	16.8	13.9	15.4	12.7		12.7	9.7		9.6	9.1	150
155	27.9	27.7	27.8	23.8	24.1	24.1	21.2	21.5	21.5	19	18.9	19.2	16.4	16.4	13.7	14.7	12.3	9.9	12.2	9.5		9.2	8.7	155
160	26.8	26.6	26.6	22.7	22.9	23	20	20.5	20.6	18.1	18	18.6	15.7	16.1	13.5	14	12	9.8	11.7	9.2		8.9	8.4	160
165	25.7	25.5	25.5	21.8	21.8	21.9	18.9	19.5	19.6	17.1	17.2	17.8	14.9	15.7	13.3	13.4	11.7	9.7	11.1	9		8.5	8	165
170	24.6	24.5	24.4	21	20.8	21	17.8	18.6	18.7	16.2	16.3	17	14.2	15.1	13.1	12.7	11.4	9.5	10.6	8.7		8.3	7.6	170
175	23.5	23.5	23.3	20.2	19.9	20.1	17.1	17.6	17.8	15.3	15.6	16.3	13.6	14.4	13	12.1	11.2	9.4	10	8.5	6.7	7.9	7.2	175
180	22.5	22.5	22.3	19.4	19	19.3	16.4	16.7	17	14.5	14.8	15.5	12.9	13.7	12.9	11.6	11	9.3	9.5	8.3	6.6	7.4	6.7	180
185	21.6	21.6		18.6	18.2	18.5	15.8	15.9	16.2	13.6	14	14.8	12.2	13.1	12.8	11	10.8	9.2	9	8	6.5	7	6.2	185
190	20.6	20.6		17.9	17.4	17.6	15.2	15.3	15.5	12.8	13.3	14.1	11.5	12.5	12.8	10.4	10.7	9.1	8.5	7.8	6.3	6.5	5.8	190
195	19.7	19.8		17.2	16.6	16.9	14.6	14.7	14.9	12.3	12.5	13.4	10.9	11.9	12.3	9.9	10.5	9	8	7.7	6.2	6.1	5.3	195
200				16.5	15.9	16.1	14	14.1	14.3	11.8	12	12.7	10.2	11.3	11.7	9.3	10.2	8.9	7.5	7.5	6.1	5.6	4.9	200
205				15.8	15.3		13.4	13.6	13.7	11.4	11.5	12.1	9.6	10.8	11.2	8.8	9.7	8.9	7.1	7.4	6	5.2		205
210				15.1	14.6		12.9	13.1	13.1	10.9	11.1	11.6	9.2	10.2	10.7	8.3	9.3	8.8	6.6	7.3	6	4.8		210
215				14.5	14		12.4	12.5	12.5	10.5	10.6	11.1	8.9	9.7	10.2	7.8	8.8	8.7	6.2	7.1	5.9	4.4		215
220				13.8	13.5		11.8	12	12	10.1	10.2	10.6	8.5	9.2	9.7	7.3	8.4	8.6	5.7	6.9	5.8			220
225							11.3	11.5		9.7	9.8	10.2	8.1	8.8	9.2	6.9	7.9	8.4	5.3	6.5	5.7			225
230							10.8	11		9.3	9.4	9.7	7.7	8.4	8.7	6.5	7.4	8	4.9	6.1	5.6			230
235							10.3	10.6		8.9	9	9.3	7.3	8	8.3	6.1	7	7.6	4.5	5.7	5.6			235
240							9.9	10.1		8.5	8.6	8.8	7	7.6	7.9	5.7	6.6	7.2	4.1	5.3	5.5			240
245										8.2	8.2	8.4	6.6	7.2	7.5	5.3	6.2	6.8		4.9	5.4			245
250										7.8	7.8		6.2	6.8	7.1	5	5.8	6.4		4.5	5.4			250
255										7.4	7.4		5.8	6.4	6.7	4.6	5.4	6		4.1	5.1			255
260										7.1	7		5.5	6.1	6.3	4.3	5	5.6		3.8	4.7			260
265										6.7			5.1	5.7	5.9	3.9	4.6	5.1			4.3			265
270													4.8	5.3		3.6	4.2	4.7			3.9			270
275													4.4	5		3.2	3.9	4.3			3.5			275
280													4.1	4.6			3.5	3.9						280
285													3.8	4.2			3.2	3.5						285

* adapter · pièce d'adaptateur

TAB 146462 / 146472 / 146482

NESS CAMPBELL CRANE + RIGGING

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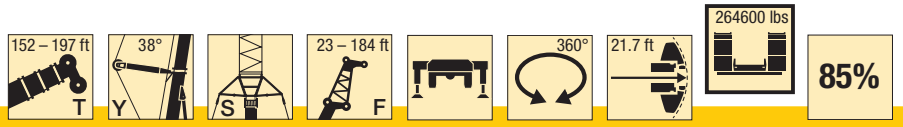
Lifting capacities
Forces de levage

TYSF



152 ft + 8 ft*

ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
28	139																						28
30	138																						30
32	133			108																			32
34	129			107																			34
36	125			104																			36
38	121	66		101			79.5																38
40	117	66		98.5			79																40
45	109	63	44.8	92			76			56.6													45
50	102	60	43.9	87	52.4		72.5			54.6			42.1										50
55	96	57.7	42.8	82	51.4		69.5			52.2			41.3			31.7							55
60	90	55.4	41.9	77.5	49.3	35.3	66.5			50.1			39.6			31.5							60
65	85	53.3	41	73	47.4	34.5	63	47.1		48.2			38.1			30.3			24.7				65
70	80	51.4	40.3	68.5	45.7	33.7	59.5	45.9		46.4			36.6			29.1			23.8			18.7	70
75	74.5	49.6	39.6	64.5	44.1	33	56.2	44.7	32.7	44.7	32.1		35.2			28			22.9			18.3	75
80	69.5	48	38.9	61	42.6	32.3	53.2	43.4	32.5	43.1	31.8		33.9			26.9			22			17.6	80
85	65.5	46.6	38.3	57.6	41.2	31.7	50.5	42.2	31.8	41.5	30.9		32.7			25.8			21.2			16.8	85
90	62	45.3	37.7	54.4	39.9	31.2	48	40.9	31.1	39.9	30		31.5	23.2		24.9			20.4			16.2	90
95	58.5	44.1	37.3	51.3	38.7	30.6	45.7	39.7	30.5	38.3	29.1	22.8	30.5	22.7		24			19.6			15.5	95
100	55.2	42.9	37	48.4	37.5	30.1	43.3	38.5	29.9	36.8	28.3	22.7	29.4	22		23.2	16.7		18.9			14.8	100
105	52	41.8	36.6	45.7	36.6	29.7	40.9	37.4	29.4	35.5	27.6	22.3	28.1	21.3		22.4	16.7		18.2			14.2	105
110	49	40.8	36.3	43	35.6	29.4	38.6	36.3	28.9	34.1	26.9	21.9	27	20.7		21.6	16.1		17.6			13.7	110
115	46.5	39.7	36.1	40.8	34.8	29.1	36.6	35.2	28.4	32.5	26.2	21.5	26	20.2	15.7	20.8	15.6		16.9	11.9		13.1	115
120	44.4	39	35.8	38.9	33.9	28.8	34.8	34	28	30.9	25.5	21.1	25.1	19.6	15.6	19.9	15.1		16.3	11.8		12.6	120
125	42.3	38.6	35.5	37	33.1	28.5	33.1	32.4	27.6	29.3	24.9	20.8	24.3	19	15.2	19.1	14.6		15.7	11.4		12.1	125
130	40.4	38.2	35.5	35.3	32.3	28.3	31.5	31	27.3	27.9	24.4	20.5	23.5	18.5	14.9	18.2	14.2		15	11		11.6	130
135	38.5	37.9	35.5	33.6	31.6	28	30	29.6	27	26.5	23.9	20.1	22.7	18	14.6	17.6	13.7		14.3	10.6		11.1	135
140	36.6	37.1	35.5	31.9	31	27.8	28.5	28.3	26.8	25.1	23.5	19.9	22	17.5	14.4	17	13.3	10.5	13.7	10.3		10.7	140
145	34.9	35.7	35.2	30.3	30.6	27.6	27	27	26.5	23.8	23	19.7	21.3	17.1	14.1	16.4	12.9	10.4	13.3	10		10.3	145
150	33.4	34.3	33.7	28.8	29.4	27.6	25.6	25.7	25.7	22.5	22.6	19.5	20.6	16.7	13.9	15.9	12.5	10.2	12.9	9.7		9.9	150
155	32	32.8	32.3	27.6	28.2	27.5	24.5	24.5	24.6	21.5	21.8	19.3	19.7	16.4	13.7	15.4	12.1	10	12.5	9.4		9.5	155
160	30.8	31.5		26.6	27.1	26.9	23.4	23.5	23.5	20.5	20.9	19.1	18.7	16	13.4	14.9	11.8	9.9	12.1	9.1	7.1	9.2	160
165				25.5	26	25.8	22.4	22.5	22.5	19.6	19.9	19	17.7	15.7	13.2	14.4	11.6	9.7	11.7	8.9	7	8.9	165
170				24.6	25	24.8	21.5	21.6	21.7	18.7	19	18.8	16.7	15.4	13.1	13.9	11.4	9.5	11.3	8.6	6.9	8.6	170
175				23.6	24	23.8	20.5	20.8	20.8	17.8	18.1	18.5	15.7	15.1	13	13.5	11.1	9.4	10.9	8.4	6.8	8.2	175
180				22.7	23		19.6	19.9	20	17	17.3	17.9	15	14.8	12.9	13	10.9	9.3	10.6	8.2	6.6	8	180
185				21.8			18.7	19.1	19.2	16.2	16.6	17.2	14.5	14.5	12.8	12.6	10.7	9.2	10.3	8	6.5	7.7	185
190				20.9			17.9	18.3	18.5	15.5	16	16.5	13.9	14.2	12.6	12.1	10.5	9	9.9	7.8	6.3	7.4	190
195							17.2	17.5	17.7	15	15.4	15.8	13.4	13.6	12.5	11.4	10.3	8.9	9.6	7.6	6.3	7.1	195
200							16.6	16.8		14.4	14.8	15.1	12.9	13.1	12.4	10.9	10.1	8.8	9.3	7.5	6.2	6.9	200
205							16	16.1		13.9	14.2	14.5	12.4	12.6	12.3	10.5	9.9	8.7	9	7.3	6.1	6.6	205
210										13.3	13.6	13.9	11.9	12.1	12.3	10.1	9.7	8.6	8.7	7.1	6	6.3	210
215										12.8	13.1	13.3	11.5	11.6	11.8	9.7	9.6	8.5	8.4	7	5.9	6.1	215
220										12.3	12.5		11	11.2	11.3	9.4	9.5	8.4	8.1	6.8	5.8	5.8	220
225										11.9	12		10.6	10.8	10.8	9	9.4	8.4	7.9	6.7	5.7	5.6	225
230										11.3			10.1	10.3	10.4	8.7	9.1	8.4	7.5	6.5	5.6	5.4	230
235										10.9			9.7	9.9	9.9	8.3	8.7	8.4	7.1	6.3	5.5	5.2	235
240													9.3	9.5	9.5	8	8.3	8.4	6.8	6.2	5.4	4.9	240
245													8.9	9		7.6	7.9	8.2	6.4	6.2	5.4	4.6	245
250													8.5	8.6		7.3	7.6	7.8	6.1	6.1	5.4	4.3	250
255													8.1	8.3		7	7.2	7.4	5.7	6	5.4	3.9	255
260																6.7	6.9	7	5.4	5.8	5.4	3.6	260
265																6.4	6.5		5.1	5.5	5.4		265
270																6.1	6.2		4.7	5.1	5.3		270
275																5.8	5.9		4.4	4.8	5.2		275
280																5.5			4.1	4.4	4.8		280
285																			3.8	4.1			285
290																			3.5	3.8			290
295																			3.2	3.4			295
300																			2.8	3.1			300

* adapter · pièce d'adaptateur

TAB 146464 / 146474 / 146484

NESS CAMPBELL CRANE + RIGGING

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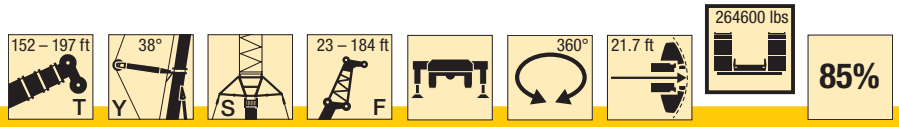
Lifting capacities
Forces de levage

TYSF



ft	169 ft + 8 ft*																						ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
32	125																						32
34	123																						34
36	119																						36
38	115	66.5		94.5																			38
40	112	66.5		94																			40
45	104	63.5	45	88			72.5																45
50	97	61	44.1	82.5	52.5		70			52.4			40.6										50
55	90.5	58.6	43.2	77.5	51.5		66.5			51.5			39.9			30.6							55
60	85	56.4	42.3	72.5	49.6		62.5			49.7			38.4			30.4							60
65	80	54.5	41.4	68.5	47.8	34.4	59.3	46.7		47.9			37			29.3			23.8				65
70	75	52.7	40.7	64.5	46.2	33.8	56.1	45.6		46.2			35.7			28.3			23.1			18	70
75	71	51	40.1	61	44.7	33.2	53.2	44.4		44.6	31.8		34.5			27.3			22.2			17.6	75
80	66.5	49.4	39.4	57.7	43.3	32.5	50.5	43.3		43.2	31.6		33.3			26.4			21.4			17	80
85	62.5	47.9	38.8	54.5	41.9	32	47.9	42.2	31.7	41.8	30.7		32.1			25.5			20.7			16.3	85
90	58.9	46.5	38.3	51.5	40.7	31.5	45.5	41.1	31.1	40	29.9		31.1			24.7			19.9			15.7	90
95	55.7	45.3	37.8	48.9	39.5	31	43.2	39.9	30.5	38.1	29.1		30.1	22.2		23.8			19.2			15	95
100	52.8	44.2	37.3	46.5	38.4	30.5	41	38.8	30	36.3	28.3	22.2	29.2	22		23.1			18.5			14.4	100
105	50	43.1	37	44.1	37.3	30	38.8	37.7	29.5	34.5	27.6	22.2	28.2	21.3		22.4			17.9			13.9	105
110	47.5	42.2	36.8	41.9	36.5	29.6	37.1	36.4	29.1	32.8	26.9	21.8	27.3	20.7		21.7	15.9		17.3			13.3	110
115	45.1	41.2	36.5	39.7	35.6	29.3	35.4	34.8	28.6	31.4	26.3	21.5	26.3	20.2		21	15.5		16.7			12.9	115
120	42.7	40.3	36.3	37.7	34.9	29	33.7	33	28.2	30	25.7	21.1	25.3	19.6	15.2	20.3	15		16.1	11.4		12.4	120
125	40.4	39.4	36.1	35.7	34.1	28.8	32.1	31.5	27.8	28.7	25.1	20.8	24.4	19.1	15.2	19.5	14.6		15.6	11.3		11.9	125
130	38.2	38	35.8	33.8	33.4	28.5	30.5	30.1	27.4	27.5	24.5	20.5	23.7	18.6	14.9	18.7	14.1		15.1	10.9		11.4	130
135	36.6	36.7	35.6	32	32.1	28.3	29	28.7	27.2	26.2	24	20.2	22.8	18.2	14.6	18	13.8		14.5	10.6		11	135
140	35.3	35.3	34.9	30.3	30.6	28.1	27.5	27.4	26.7	24.9	23.5	19.9	21.8	17.7	14.4	17.4	13.4	10.4	13.9	10.3		10.6	140
145	33.9	33.9	33.6	28.7	29.1	27.8	26.1	26.1	26.1	23.7	23.1	19.7	20.9	17.3	14.2	16.9	13	10.4	13.3	10		10.2	145
150	32.7	32.6	32.3	27.6	27.6	27.5	24.7	24.9	24.9	22.5	22.2	19.5	19.9	16.8	13.9	16.4	12.6	10.2	12.9	9.7		9.8	150
155	31.5	31.3	31	26.6	26.6	26.5	23.4	23.7	23.8	21.3	21.3	19.4	19	16.5	13.7	15.9	12.3	10	12.5	9.4		9.4	155
160	30.3	30.1	29.8	25.6	25.6	25.5	22.2	22.6	22.7	20.2	20.3	19.2	18	16.2	13.5	15.4	12	9.9	12.2	9.2		9.1	160
165	29.1	28.9	28.6	24.6	24.7	24.6	21.1	21.4	21.7	19.1	19.3	19.1	17.1	15.9	13.3	15	11.6	9.7	11.8	8.9		8.8	165
170	28	27.8	27.4	23.7	23.8	23.6	20.3	20.4	20.7	18	18.4	19	16.2	15.6	13.2	14.6	11.4	9.6	11.5	8.7	6.9	8.5	170
175	26.9	26.7		22.8	22.9	22.7	19.6	19.5	19.8	17	17.5	18.2	15.4	15.3	13.1	14	11.2	9.4	11.1	8.4	6.7	8.2	175
180	25.6	25.5		21.9	22	21.8	18.9	18.8	18.9	16.2	16.7	17.4	14.5	15	13	13.4	11	9.3	10.8	8.2	6.6	7.9	180
185				21	21.2	21	18.2	18.1	18.2	15.6	15.8	16.6	13.7	14.6	12.9	12.7	10.8	9.2	10.5	8	6.5	7.7	185
190				20.2	20.4	20.1	17.5	17.4	17.5	15	15	15.8	12.9	14	12.8	12.1	10.6	9.1	10.2	7.9	6.4	7.4	190
195				19.4	19.6		16.9	16.8	16.8	14.5	14.4	15.1	12.1	13.3	12.6	11.5	10.5	9	9.8	7.7	6.3	7.2	195
200				18.5	18.9		16.2	16.1	16.1	13.9	13.8	14.5	11.5	12.6	12.5	10.9	10.3	8.9	9.4	7.5	6.2	6.9	200
205							15.6	15.5	15.5	13.4	13.3	13.9	11.1	11.9	12.3	10.3	10.1	8.8	8.9	7.4	6.1	6.6	205
210							15	14.9		12.9	12.7	13.3	10.7	11.4	11.9	9.7	9.9	8.7	8.3	7.2	6	6.4	210
215							14.4	14.3		12.4	12.2	12.7	10.3	11	11.4	9.3	9.8	8.6	7.9	7.1	5.9	6.1	215
220							13.9	13.7		11.9	11.7	12.2	10	10.5	10.9	8.9	9.5	8.5	7.4	6.9	5.8	5.7	220
225							13.3			11.4	11.3	11.7	9.6	10.1	10.4	8.6	9.1	8.4	6.9	6.8	5.7	5.3	225
230										11	10.8		9.2	9.7	9.9	8.2	8.6	8.3	6.5	6.6	5.6	4.8	230
235										10.5	10.4		8.9	9.3	9.5	7.9	8.2	8.3	6.1	6.5	5.6	4.4	235
240										10.1	9.9		8.5	8.8	9	7.5	7.8	8.2	5.7	6.4	5.5	4.1	240
245										9.7	9.5		8.2	8.4	8.6	7.2	7.4	7.9	5.4	6.2	5.4		245
250													7.9	8.1	8.2	6.9	7	7.5	5	5.9	5.3		250
255													7.6	7.7	7.8	6.5	6.7	7.1	4.7	5.5	5.3		255
260													7.2	7.4		6.2	6.4	6.7	4.4	5.1	5.3		260
265													6.9	7		5.9	6.1	6.3	4	4.7	5.3		265
270													6.6			5.5	5.7	6	3.7	4.4	5.1		270
275													6.3			5.2	5.4	5.6	3.4	4.1	4.7		275
280																4.9	5.1		3.1	3.8	4.3		280
285																4.6	4.7			3.4	3.9		285
290																4.2	4.4				3.5		290
295																3.9	4.1				3.2		295

* adapter · pièce d'adaptateur

TAB 146464 / 146474 / 146484

NESS CAMPBELL CRANE + RIGGING

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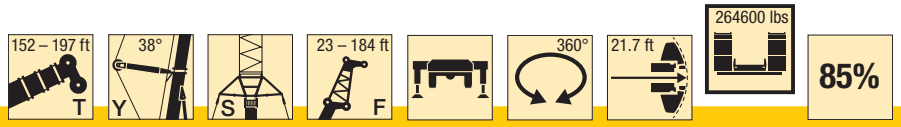
Lifting capacities
Forces de levage

TYSF



ft	186 ft + 8 ft*																				197 ft + 8 ft*		ft
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	184 ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	
38	100																							38
40	99																							40
45	92.5	63	45.1	76.5			64.5																	45
50	87	61	44.2	73			61.5			49.5														50
55	81.5	58.9	43.3	69	49.5		58.2			48.7			36.7											55
60	76.5	56.8	42.5	65	49.2		55.2			47			36.4											60
65	72	54.9	41.7	61.5	47.5	34.4	52.4			45.1			35.2			28.4								65
70	68	53.2	41	58.1	46	33.8	49.7	44.2		43			34.1			27.6			21.6					70
75	64	51.6	40.4	55	44.6	33.2	47.1	43.6		41			33			26.7			21.2					75
80	60.5	50.1	39.8	52.1	43.2	32.6	44.7	42.5		38.9			32			25.9			20.5					80
85	57.2	48.7	39.2	49.4	42	32	42.5	41.3		37	30.1		30.9			25.1			19.8			15.4		85
90	54	47.3	38.7	46.8	40.9	31.5	40.5	39.8	30.6	35.3	29.4		30			24.3			19.1			14.9	14	90
95	51.2	46.1	38.2	44.4	39.8	31.1	38.5	38.1	30.3	33.7	28.7		28.9			23.5			18.5			14.4	13.7	95
100	48.6	44.9	37.7	42.1	38.7	30.6	36.6	36.4	29.8	32.1	28		27.6	21.1		22.8			17.8			13.9	13.2	100
105	46.1	43.9	37.2	40.2	37.8	30.2	34.7	34.8	29.3	30.6	27.3		26.4	21.1		22.1			17.2			13.3	12.7	105
110	43.7	42.7	37	38.4	36.8	29.8	33	33.2	28.9	29.2	26.7	21.5	25.2	20.5		21.5			16.7			12.9	12.2	110
115	41.4	40.9	36.7	36.6	35.4	29.5	31.5	31.6	28.5	27.8	26.1	21.3	24	19.9		20.8	15.1		16.2			12.4	11.8	115
120	39.2	38.9	36.5	34.8	33.8	29.1	30.1	30	28.2	26.4	25.5	21	22.9	19.4		20.2	14.9		15.6			11.9	11.4	120
125	37.2	36.9	36.2	33.1	32.2	28.8	28.8	28.5	27.8	25.2	25	20.6	21.8	19		19.5	14.4		15.2			11.5	11	125
130	35.1	35.1	35	31.4	30.7	28.6	27.5	27.2	27	24.1	24.1	20.4	20.8	18.5	14.7	18.6	14.1		14.7			11.1	10.6	130
135	33.2	33.3	33.4	29.8	29.3	28.4	26.2	26	25.8	23.1	23	20.1	19.8	18.1	14.5	17.7	13.7		14.2	10.4		10.7	10.2	135
140	31.5	31.6	31.8	28.2	28	27.8	24.8	24.8	24.7	22.1	21.9	19.9	18.8	17.6	14.3	16.9	13.3		13.8	10.3		10.3	9.9	140
145	30.3	29.9	30.2	26.7	26.6	26.5	23.6	23.7	23.6	21.1	20.7	19.6	18	17.2	14.1	16.1	13		13.3	10		9.9	9.5	145
150	29	28.8	29	25.3	25.4	25.3	22.3	22.6	22.5	20.1	19.8	19.4	17.2	16.8	13.9	15.4	12.7		12.7	9.7		9.6	9.1	150
155	27.9	27.7	27.8	23.8	24.1	24.1	21.2	21.5	21.5	19	18.9	19.2	16.4	16.4	13.7	14.7	12.3	9.9	12.2	9.5		9.2	8.7	155
160	26.8	26.6	26.6	22.7	22.9	23	20	20.5	20.6	18.1	18	18.6	15.7	16.1	13.5	14	12	9.8	11.7	9.2		8.9	8.4	160
165	25.7	25.5	25.5	21.8	21.8	21.9	18.9	19.5	19.6	17.1	17.2	17.8	14.9	15.7	13.3	13.4	11.7	9.7	11.1	9		8.5	8	165
170	24.6	24.5	24.4	21	20.8	21	17.8	18.6	18.7	16.2	16.3	17	14.2	15.1	13.1	12.7	11.4	9.5	10.6	8.7		8.3	7.6	170
175	23.5	23.5	23.3	20.2	19.9	20.1	17.1	17.6	17.8	15.3	15.6	16.3	13.6	14.4	13	12.1	11.2	9.4	10	8.5	6.7	7.9	7.2	175
180	22.5	22.5	22.3	19.4	19	19.3	16.4	16.7	17	14.5	14.8	15.5	12.9	13.7	12.9	11.6	11	9.3	9.5	8.3	6.6	7.4	6.7	180
185	21.6	21.6		18.6	18.2	18.5	15.8	15.9	16.2	13.6	14	14.8	12.2	13.1	12.8	11	10.8	9.2	9	8	6.5	7	6.2	185
190	20.6	20.6		17.9	17.4	17.6	15.2	15.3	15.5	12.8	13.3	14.1	11.5	12.5	12.8	10.4	10.7	9.1	8.5	7.8	6.3	6.5	5.8	190
195	19.2	19.4		17.2	16.6	16.9	14.6	14.7	14.9	12.3	12.5	13.4	10.9	11.9	12.3	9.9	10.5	9	8	7.7	6.2	6.1	5.3	195
200				16.5	15.9	16.1	14	14.1	14.3	11.8	12	12.7	10.2	11.3	11.7	9.3	10.2	8.9	7.5	7.5	6.1	5.6	4.9	200
205				15.8	15.3		13.4	13.6	13.7	11.4	11.5	12.1	9.6	10.8	11.2	8.8	9.7	8.9	7.1	7.4	6	5.2		205
210				15.1	14.6		12.9	13.1	13.1	10.9	11.1	11.6	9.2	10.2	10.7	8.3	9.3	8.8	6.6	7.3	6	4.8		210
215				14.5	14		12.4	12.5	12.5	10.5	10.6	11.1	8.9	9.7	10.2	7.8	8.8	8.7	6.2	7.1	5.9	4.4		215
220				13.8	13.5		11.8	12	12	10.1	10.2	10.6	8.5	9.2	9.7	7.3	8.4	8.6	5.7	6.9	5.8			220
225							11.3	11.5		9.7	9.8	10.2	8.1	8.8	9.2	6.9	7.9	8.4	5.3	6.5	5.7			225
230							10.8	11		9.3	9.4	9.7	7.7	8.4	8.7	6.5	7.4	8	4.9	6.1	5.6			230
235							10.3	10.6		8.9	9	9.3	7.3	8	8.3	6.1	7	7.6	4.5	5.7	5.6			235
240							9.9	10.1		8.5	8.6	8.8	7	7.6	7.9	5.7	6.6	7.2	4.1	5.3	5.5			240
245										8.2	8.2	8.4	6.6	7.2	7.5	5.3	6.2	6.8		4.9	5.4			245
250										7.8	7.8		6.2	6.8	7.1	5	5.8	6.4		4.5	5.4			250
255										7.4	7.4		5.8	6.4	6.7	4.6	5.4	6		4.1	5.1			255
260										7.1	7		5.5	6.1	6.3	4.3	5	5.6		3.8	4.7			260
265										6.7			5.1	5.7	5.9	3.9	4.6	5.1			4.3			265
270													4.8	5.3		3.6	4.2	4.7			3.9			270
275													4.4	5		3.2	3.9	4.3			3.5			275
280													4.1	4.6			3.5	3.9						280
285													3.8	4.2			3.2	3.5						285

* adapter · pièce d'adaptateur

TAB 146464 / 146474 / 146484

NESS CAMPBELL CRANE + RIGGING

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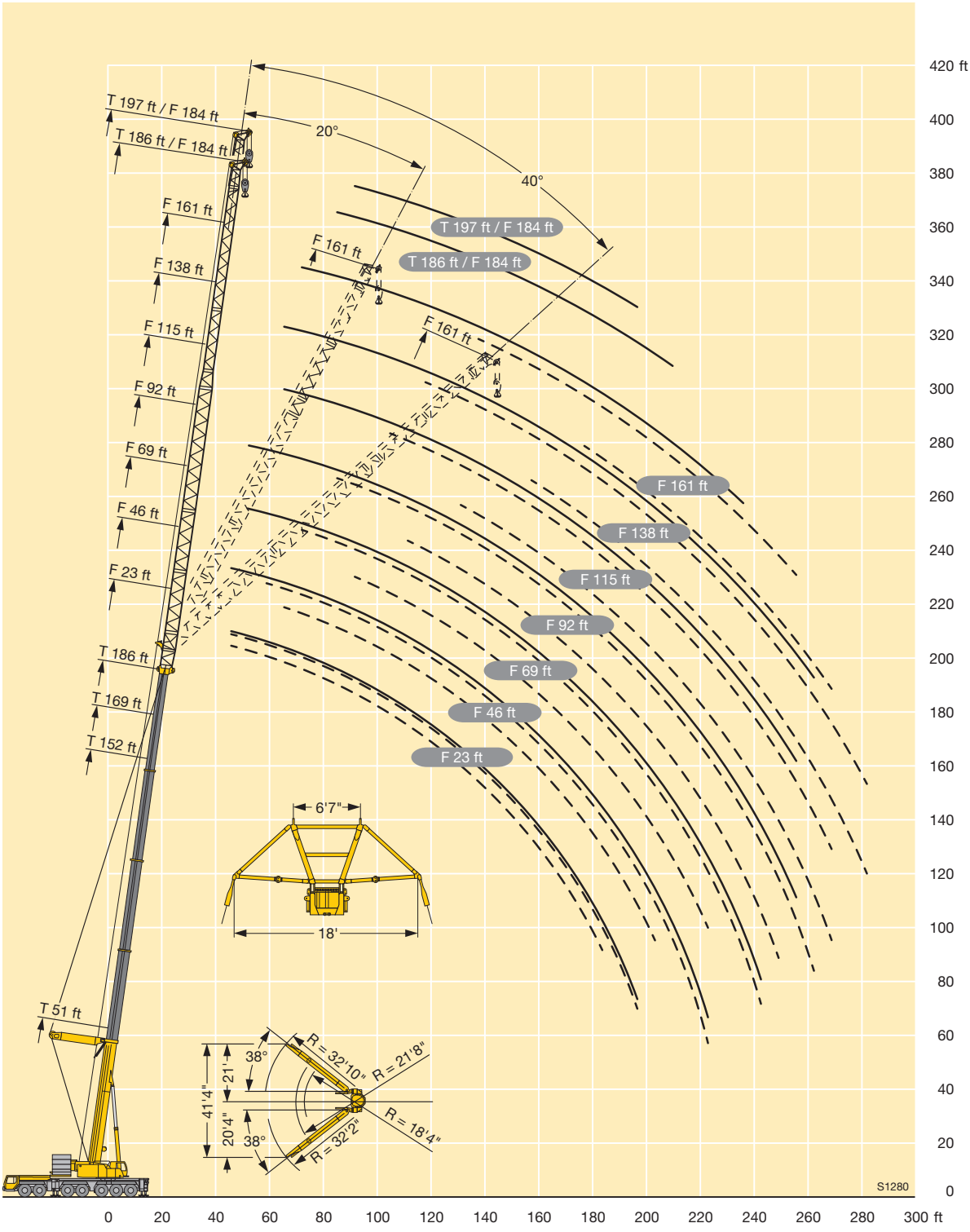

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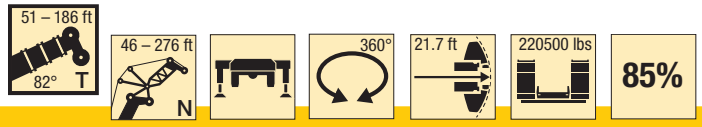
Lifting capacities
Forces de levage

TN



ft	51 ft + 13 ft*											84 ft + 13 ft*											ft
	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	
22	262																						22
24	262																						24
26	262																						26
28	262																						28
30	262											214											30
32	262	220										214											32
34	260	219										214											34
36	256	217										214											36
38	253	215	170									214	157										38
40	247	212	169									214	157										40
45	223	204	166	133								212	157	127									45
50		195	163	132								194	157	127									50
55		181	160	130	106								157	127	103								55
60		165	157	128	104	87							156	127	102	83							60
65		151	150	126	103	86							145	127	102	82.5	68						65
70		139	139	125	102	85	69						134	126	101	82	68						70
75			129	122	100	84	68.5	57.7						121	101	81.5	67.5	55.3					75
80			120	118	99.5	83	68	57.5						113	101	81.5	67	55.2					80
85			112	110	98.5	82	67	56.9	46.8					106	101	81	67	54.9	45.9				85
90			104	103	98	81	66.5	56.3	46.3	39.1				100	96	80.5	66.5	54.6	45.6	37.3			90
95				97	95	80.5	66	55.8	45.9	38.7	31.4			94	91	80.5	66.5	54.3	45.4	37.1	31		95
100				91.5	90	80	65.5	55.3	45.4	37.9	31.3				86	80	66	54	45.1	36.8	30.9	24.7	100
105				86	85	79.5	64.5	54.8	45	37.1	30.9				82	79	66	53.8	44.9	36.6	30.7	24.7	105
110				81.5	80.5	78.5	64	54.4	44.5	36.4	30.5				77.5	75	66	53.6	44.7	36.4	30.6	24.5	110
115				71	76	75.5	64	53.9	44.1	35.6	30.1				73.5	71.5	66	53.4	44.5	36.2	30.4	24.3	115
120					72.5	71.5	63.5	53.4	43.8	34.9	29.6					68.5	65	53.3	44.3	36	30.2	24.1	120
125					68.5	68	63	52.9	43.4	34.2	29.1					65.5	63	53.3	44.2	35.9	30	24	125
130					65.5	65	62	52.1	43.1	33.6	28.6					62.5	60	53.2	44.1	35.7	29.8	23.8	130
135					60.5	62	60	51.3	42.8	32.9	28.1					59.5	57.8	52.9	44.1	35.5	29.5	23.6	135
140						59	57.7	50.6	42.7	32.3	27.7					56.8	55.5	52.2	44.1	35.4	29.2	23.5	140
145						56.4	55.1	49.8	42.6	31.7	27.2						53.3	51.2	44.1	35.3	28.8	23.3	145
150						54	52.7	49.1	42.5	31.2	26.8						51	49.4	44.1	35.3	28.5	23.2	150
155						51	50.5	48.4	42.3	30.6	26.4						48.9	47.6	44.1	35.3	28.1	23.1	155
160						45.2	48.4	47.3	42	30.1	26						46.9	45.8	43.5	35.3	27.8	23	160
165							46.4	45.8	41.6	29.6	25.6							44	42.3	35.3	27.5	22.8	165
170							44.6	43.9	41.2	29.1	25.3							42.2	40.8	35.3	27.2	22.8	170
175							42.7	42.2	40.4	28.6	25							40.6	39.4	35.3	26.9	22.8	175
180							39.7	40.5	39.2	28.2	24.7							39	37.9	35.2	26.6	22.7	180
185								39	37.7	27.8	24.4							37.5	36.5	34.6	26.3	22.5	185
190								37.5	36.2	27.4	24.1							36.1	35.1	33.4	26	22.4	190
195								36.1	34.8	27.1	23.8								33.8	32.3	25.7	22.2	195
200								33.9	33.5	26.7	23.5								32.5	31.1	25.5	22.1	200
205									32.3	26.5	23.2								31.3	29.9	25.2	21.9	205
210									31.1	26.2	23									28.8	25	21.7	210
215									29.9	26	22.7									27.7	24.8	21.6	215
220									28.2	25.8	22.5									26.7	24.7	21.4	220
225									25.7	25.6	22.3									25.7	24.4	21.3	225
230										25.4	22.1									24.8	23.8	21.2	230
235										24.9	22									23.9	22.9	21.1	235
240										23.5	21.8										22.1	20.9	240
245										21.7	21.6										21.3	20.4	245
250											21.1										20.5	19.6	250
255											20.3										19.8	18.8	255
260											19.3											18.1	260
265											17.8											17.4	265
270											15.7											16.8	270
275											13											16.1	275
280																						15.3	280

* adapter · pièce d'adaptateur

TAB 146494

NESS CAMPBELL CRANE + RIGGING

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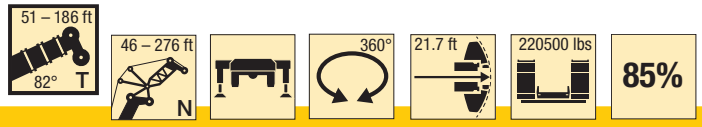
Lifting capacities
Forces de levage

TN



ft	118 ft + 13 ft*										152 ft + 13 ft*									186 ft + 13 ft*						ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	
45	106																									45
50	106																									50
55	106	86	69								66.5															55
60	105	85.5	69								66.5	52.5								39						60
65	103	85	69	56							66	52.5	42.2							38.8	29.4					65
70	100	84.5	68.5	55.8	46.1						65	52.4	42.1	33.8						38.7	29.3					70
75	98	83.5	68.5	55.6	46						64	52.2	41.9	33.7	27					38.6	29.2	22.7				75
80		82	68	55.4	45.9						63	51.9	41.7	33.5	27					38.4	29	22.5	17.2			80
85		80.5	68	55.2	45.7	37.2					62	51.4	41.6	33.4	26.9					38.2	28.9	22.4	17.1	12.1		85
90		79	67.5	55	45.5	37	30.5					50.8	41.4	33.3	26.8	21.1				37.8	28.8	22.3	17	12.1		90
95		78	66.5	54.9	45.3	36.9	30.4	24.5				50.2	41.2	33.2	26.7	21.1	15				28.7	22.2	16.9	12.1	6.8	95
100		77	65.5	54.8	45.2	36.8	30.3	24.4	18.9			49.6	40.8	33.1	26.7	21.1	15	9.5			28.6	22	16.8	12.1	6.8	100
105			64.5	54.8	45	36.6	30.2	24.3	18.9				40.5	32.9	26.6	21	15	9.5			28.5	21.9	16.7	12.1	6.8	105
110			63.5	54.4	44.9	36.5	30.1	24.2	18.9	12.9			40.1	32.7	26.5	20.9	15	9.5	5.3		28.4	21.8	16.6	12.1	6.8	110
115			63	53.8	44.8	36.4	30	24	18.9	12.9			39.8	32.5	26.4	20.9	15	9.5	5.3			21.8	16.5	12.1	6.8	115
120			63	53.1	44.8	36.3	29.9	23.9	18.8	12.9			39.4	32.3	26.3	20.8	15	9.5	5.3			21.7	16.4	12.1	6.8	120
125				52.4	44.7	36.2	29.8	23.8	18.7	12.9			39	32.1	26.2	20.7	15	9.5	5.3			21.6	16.4	12.1	6.8	125
130				52	44.6	36.2	29.6	23.7	18.6	12.9			38.5	31.9	26.1	20.7	15	9.5	5.3			21.6	16.3	12.1	6.8	130
135				51.7	44.1	36.1	29.6	23.6	18.5	12.8				31.7	25.9	20.6	15	9.5	5.3			21.5	16.2	12.1	6.8	135
140				51.4	43.7	36.1	29.5	23.5	18.4	12.8				31.4	25.7	20.6	15	9.5	5.3				16.2	12.1	6.8	140
145				50.8	43.2	36	29.5	23.4	18.3	12.8				31.1	25.6	20.5	15	9.5	5.3				16.1	12.1	6.8	145
150				49	43.1	35.9	29.5	23.4	18.2	12.7				30.8	25.4	20.4	15	9.5	5.3				16.1	12.1	6.8	150
155					43	35.7	29.5	23.4	18.2	12.7					25.3	20.3	15	9.5	5.3				16.1	12.1	6.8	155
160					42.7	35.4	29.5	23.4	18.2	12.6					25.1	20.2	15	9.5	5.3					12.1	6.8	160
165					42	35.1	29.5	23.4	18.2	12.6					25	20.1	15	9.5	5.3					12	6.8	165
170					40.6	35.1	29.5	23.4	18.2	12.6					24.8	20.1	15	9.5	5.3					12	6.8	170
175						35.1	29.5	23.4	18.2	12.6					24.7	20	15	9.5	5.3					12	6.8	175
180						35	29.5	23.4	18.2	12.6						19.9	15	9.5	5.3						6.8	180
185						34.5	29.4	23.4	18.2	12.6						19.8	15	9.5	5.3						6.8	185
190						33.4	29.4	23.4	18.2	12.6						19.7	15	9.5	5.3						6.8	190
195							29.4	23.4	18.2	12.6						19.6	15	9.5	5.3						6.8	195
200							29.4	23.4	18.2	12.6							15	9.5	5.3						6.8	200
205							29.1	23.4	18.2	12.6							15	9.5	5.3							205
210							28.2	23.4	18.2	12.6							15	9.5	5.3							210
215							27.3	23.4	18.2	12.6							15	9.5	5.3							215
220								23.4	18.2	12.6							15	9.5	5.3							220
225								23.3	18.2	12.6								9.5	5.3							225
230								23	18.2	12.6								9.5	5.3							230
235								22.2	18.2	12.6								9.5	5.3							235
240									18.2	12.6								9.5	5.3							240
245									18.2	12.6									5.3							245
250									18.2	12.6									5.3							250
255									18.1	12.6									5.3							255
260									17.5	12.6									5.3							260
265										12.6									5.3							265
270										12.6																270
275										12.6																275
280										12.6																280

* adapter · pièce d'adaptateur

TAB 146494

NESS CAMPBELL CRANE + RIGGING

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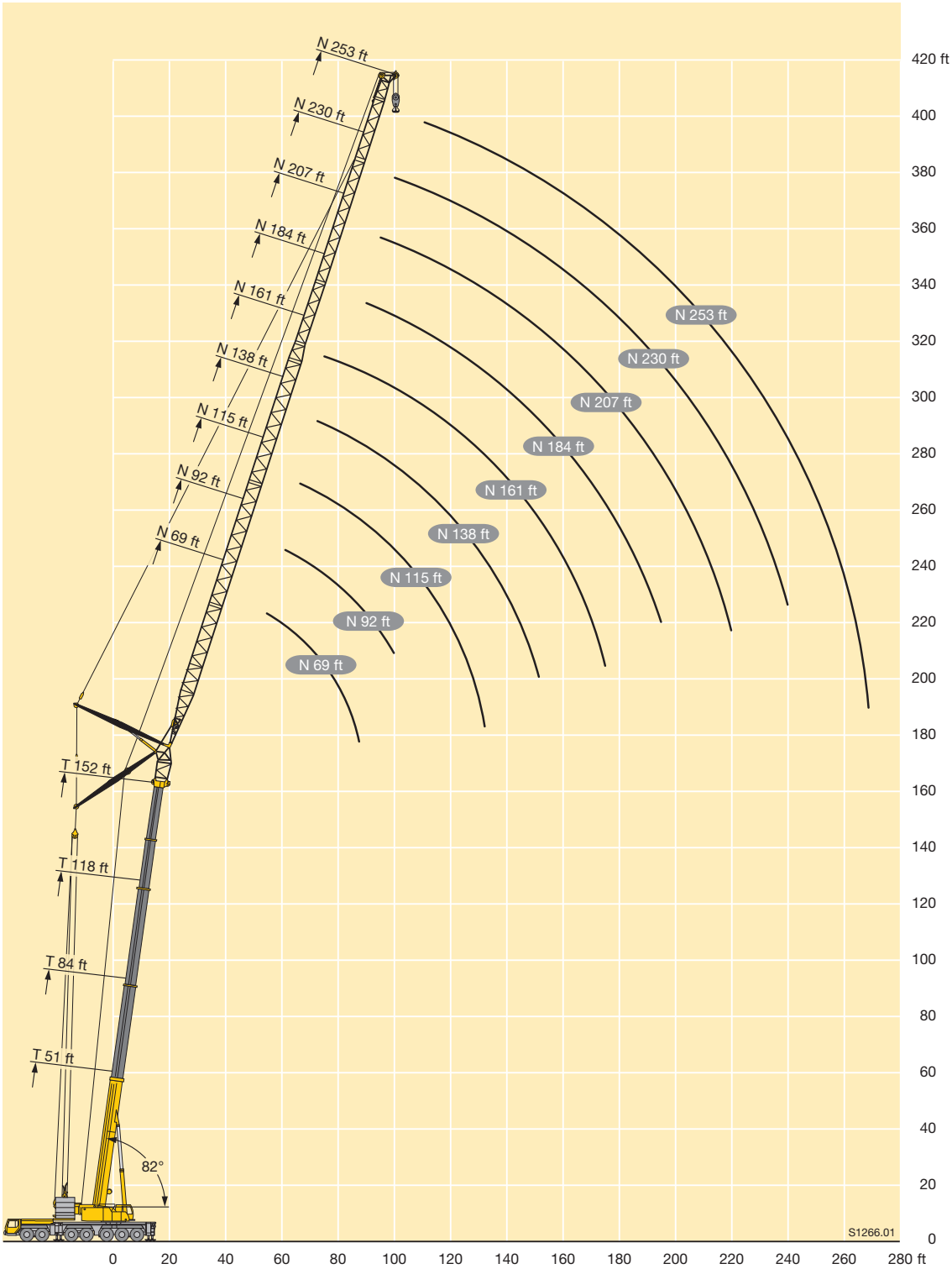

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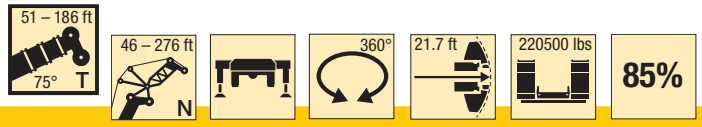
Lifting capacities
Forces de levage

TN



ft	51 ft + 13 ft*											84 ft + 13 ft*											ft
	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	
38	217																						38
40	217																						40
45	213	185																					45
50	195	184										174											50
55		176	151									166	149										55
60		160	150									151	147										60
65		146	144	121								138	135										65
70		135	134	119									125	116									70
75		125	124	117	96								117	112	96								75
80			115	114	95.5								109	105	95.5								80
85			108	106	94	78.5							101	98	94								85
90			101	99.5	93	78								92.5	89	77							90
95			94.5	93.5	90.5	77	63							87.5	84	76.5	63						95
100				87.5	86.5	76	63							82.5	79.5	75.5	63						100
105				82.5	81.5	75.5	62							78	75	72.5	63						105
110				78	77	74.5	61.5	52						73.5	71.5	69	62.5	51.2					110
115				74	73	72	61	51.6	42.1						68	65.5	62	51	42.3				115
120				70.5	69.5	68.5	60.5	51.2	41.9						65	62.5	60	50.8	42.2				120
125					66	65	59.8	50.7	41.5						62	59.8	57.5	50.6	42				125
130					62.5	62	59.6	50.3	41.2	34.1					58.9	57.3	55	50.4	41.8	34			130
135					59.8	59.1	57.6	49.9	40.8	33.6	27.6					54.9	52.7	49.9	41.7	33.9	28.1		135
140					57.1	56.4	55	49.5	40.5	33	27.5					52.5	50.5	48.7	41.6	33.8	28		140
145						53.8	52.5	49.3	40.2	32.4	27.3					50.2	48.5	46.7	41.4	33.7	28		145
150						51.5	50.2	49.1	39.9	31.8	27.1					48	46.6	44.8	41.3	33.5	27.9	22.1	150
155						49.4	48	47.4	39.6	31.3	26.8					45.9	44.8	43.1	40.7	33.4	27.9	22.1	155
160						47.3	46	45.3	39.5	30.7	26.5						43	41.4	39.6	33.3	27.9	22	160
165						45.4	44.1	43.4	39.4	30.2	26.1						41.2	39.9	38	33.2	27.8	22	165
170						43.6	42.3	41.6	39.4	29.7	25.8						39.6	38.5	36.6	33.1	27.7	22	170
175							40.7	40	38.4	29.2	25.4						38	37	35.3	32.8	27.4	22	175
180							39.1	38.4	37	28.8	25.1							35.5	34	31.9	27.1	22	180
185							37.6	36.9	35.5	28.5	24.8							34.1	32.8	30.8	26.9	22	185
190							36.2	35.5	34.1	28.1	24.5							32.8	31.7	29.6	26.6	22	190
195								34.1	32.8	27.7	24.2							31.5	30.5	28.6	26.3	21.9	195
200								32.9	31.5	27.4	24							30.4	29.3	27.6	25.8	21.9	200
205								31.7	30.3	27	23.7								28.2	26.6	25.1	21.9	205
210								30.5	29.2	26.7	23.5								27.1	25.7	24.2	21.9	210
215								29.4	28.1	26.3	23.3								26.1	24.7	23.3	21.9	215
220									27.1	25.8	23.1								25.1	23.7	22.5	21.3	220
225									26.1	25.1	22.8									22.8	21.7	20.5	225
230									25.1	24.2	22.6									21.9	20.9	19.8	230
235									24.2	23.3	21.9									21.1	20.1	19	235
240										22.4	21.1									20.3	19.3	18.3	240
245										21.6	20.3										18.5	17.6	245
250										20.8	19.5										17.8	16.9	250
255										20	18.7										17.1	16.2	255
260										18.7	18										16.5	15.5	260
265											17.3										15.8	14.9	265
270											16.6											14.2	270
275											16											13.6	275
280											15.4											13.1	280
285																						12.5	285

* adapter · pièce d'adaptateur

TAB 146497

NESS CAMPBELL CRANE + RIGGING

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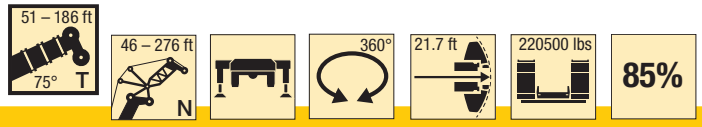
Lifting capacities
Forces de levage

TN



ft	118 ft + 13 ft*										152 ft + 13 ft*									186 ft + 13 ft*						ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	
70	91																									70
75	88.5	78																								75
80	84.5	77																								80
85	81	74.5									55.9															85
90	78	72	63								54.1	47														90
95	75	69.5	62	53.1							52.3	46.3								33						95
100		67	60.5	52.9							50.6	45.1	37.8							32.7	26.5					100
105		65	58.9	52								43.9	37.8							31.5	26.5					105
110		63	57.4	51	43.6							42.7	36.9	31.1						30.4	25.8					110
115		61	55.8	50	43.4	35.1						41.5	36.1	30.7							25.1	20.4				115
120			54.3	48.9	42.9	35						40.3	35.3	30.1	25						24.4	20.2				120
125			52.8	47.9	42.3	35							34.5	29.5	25						23.7	19.8				125
130			51.4	46.7	41.6	34.9	28.6						33.6	28.8	24.6	19.8					22.9	19.3	15.3			130
135			49.9	45.5	40.9	34.7	28.6						32.8	28.3	24.2	19.7					22.2	18.7	15	10.9		135
140				44.4	40.1	34.4	28.5	22.6					32.1	27.7	23.7	19.4	14.3					18.2	14.6	10.9		140
145				43.3	39.2	33.9	28.4	22.6					31.3	27	23.3	19.2	14.3					17.6	14.3	10.9		145
150				42.3	38.4	33.4	28.3	22.6	18				30.8	26.4	22.9	18.8	14.3					17.1	13.9	10.9	6.1	150
155				40.9	37.6	32.9	28.2	22.6	18					25.9	22.5	18.5	14.3	9				16.6	13.5	10.9	6.1	155
160				39.4	36.8	32.3	28	22.6	18	12.1				25.3	22.1	18.2	14.3	9	4.9				13.1	10.8	6.1	160
165					35.9	31.7	27.6	22.6	18	12.1				24.8	21.6	17.8	14.3	9	4.9				12.7	10.5	6.1	165
170					34.8	31.1	27.3	22.6	18	12.1				24.4	21.2	17.5	14.3	9	4.9				12.4	10.3	6.1	170
175					33.6	30.5	26.9	22.5	18	12.1					20.8	17.2	14	9	4.9				12	10	6.1	175
180					32.4	29.9	26.5	22.4	18	12.1					20.5	16.9	13.8	9	4.9				11.7	9.8	6.1	180
185						29.2	26.1	22.1	18	12.1					20.2	16.6	13.5	9	4.9					9.6	6.1	185
190						28.2	25.7	21.8	18	12.1					19.9	16.3	13.3	9	4.9					9.3	6.1	190
195						27.2	25.3	21.5	18	12.1					19.8	16	13.1	9	4.9					9.1	6.1	195
200						26.3	24.9	21.2	18	12.1						15.7	12.9	9	4.9					8.9	6.1	200
205						25.5	24.3	20.8	17.9	12.1						15.5	12.6	9	4.9						6.1	205
210							23.5	20.5	17.6	12.1						15.3	12.4	9	4.9						6.1	210
215							22.7	20.2	17.3	12.1						15.2	12.2	9	4.9						6.1	215
220							21.9	19.8	17	12.1							12	9	4.9						6	220
225							21.2	19.3	16.8	12.1							11.8	9	4.9						5.8	225
230								18.6	16.5	12.1							11.7	9	4.9							230
235								18	16.2	12.1							11.7	9	4.9							235
240								17.3	15.9	12.1							11.6	8.9	4.9							240
245								16.7	15.4	12.1								8.8	4.9							245
250								16.2	14.8	12.1								8.7	4.9							250
255								15.6	14.2	12.1								8.7	4.9							255
260									13.7	11.9								8.6	4.9							260
265									13.2	11.5									4.9							265
270									12.7	11									4.9							270
275									12.2	10.5									4.9							275
280										10.1									4.9							280
285										9.6									4.9							285
290										9.2																290
295										8.8																295
300										8.5																300

* adapter · pièce d'adaptateur

TAB 146497

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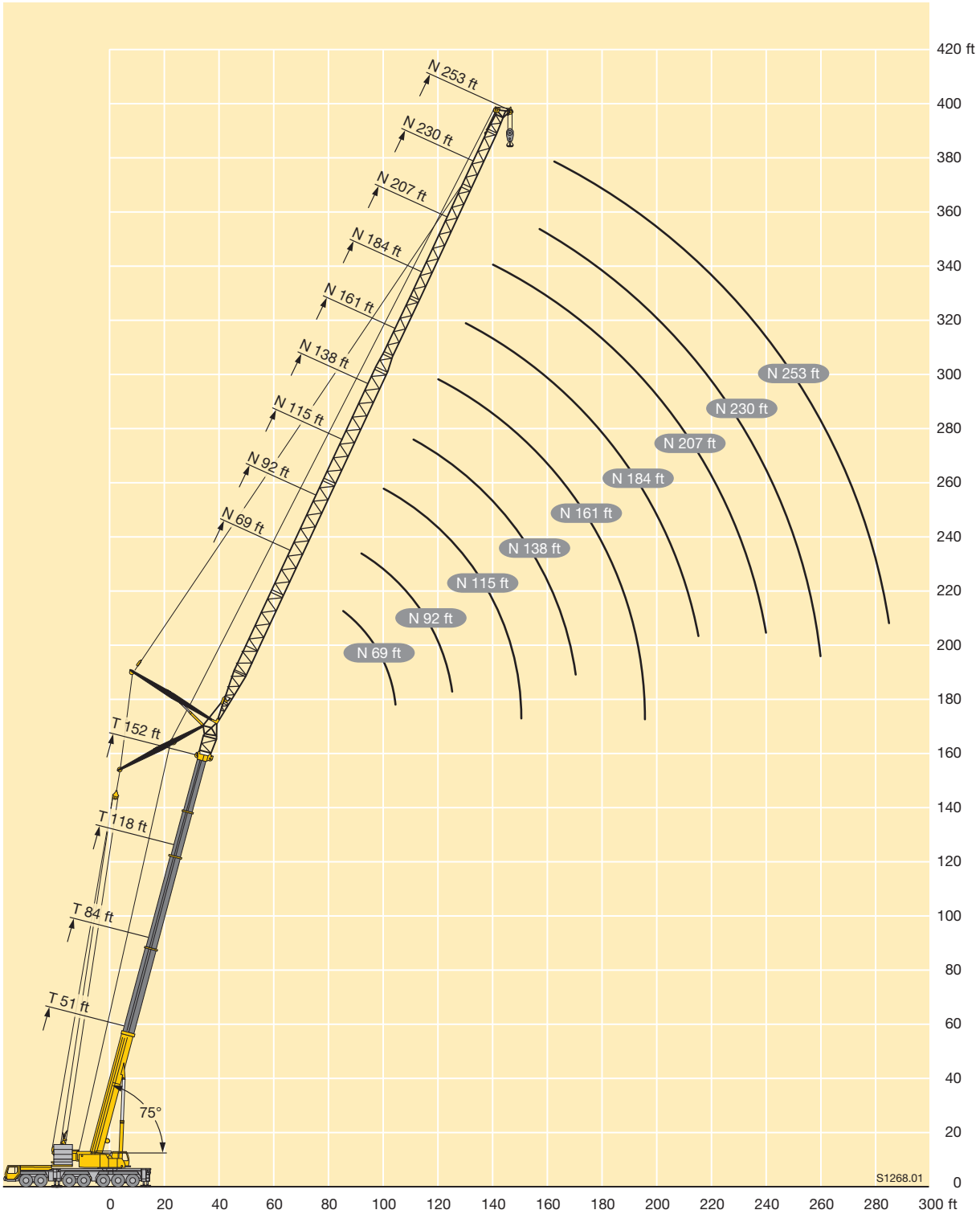

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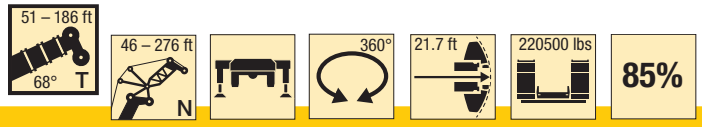
Lifting capacities
Forces de levage

TN



ft	51 ft + 13 ft*											84 ft + 13 ft*											ft
	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	46 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	
50	179																						50
55	171																						55
60	156																						60
65	143	140										129											65
70		131										120											70
75		121	120									111	103										75
80		112	111										101										80
85		105	104	102									94.5										85
90			97	95.5									89	83.5									90
95			91	89.5	84.5								83.5	80.5									95
100			85.5	84.5	83									76.5	69.5								100
105				79.5	78									72.5	69.5								105
110				75	74	71								68.5	66								110
115				71	70	68.5								65	62.5	58.4							115
120				67.5	66.5	65.5	57.2								59.8	57.4							120
125				64	63	62	57.1								57.1	54.7							125
130				61	60	59.2	56.6								54.5	52.4	49.5						130
135					57.2	56.4	54.8	47.2							52	50.1	47.9	44.9					135
140					54.6	53.8	52.4	47.1							49.6	48.1	45.9	44.1					140
145					52.2	51.4	50	46.8								46.1	44	42.2					145
150					49.9	49.2	47.8	46.4	38							44.1	42.3	40.5	38.2				150
155						47.1	45.7	44.9	37.9							42.2	40.6	38.9	37				155
160						45.1	43.8	43	37.7	30.6						40.5	39.1	37.4	35.5	31.1			160
165						43.3	41.9	41.2	37.6	30.5							37.6	35.9	34.1	31			165
170						41.5	40.2	39.5	37.5	30.1							36.1	34.6	32.7	30.5			170
175						39.9	38.6	37.8	36.3	29.6	24.8						34.6	33.3	31.5	29.4	25.9		175
180							37.1	36.3	34.9	29.2	24.8						33.2	32.1	30.3	28.2	25.9		180
185							35.6	34.9	33.5	28.8	24.8						31.9	30.9	29.2	27.1	25.6		185
190							34.3	33.5	32.1	28.4	24.7						30.7	29.6	28.1	26.1	24.5		190
195							33	32.2	30.8	28.1	24.4							28.5	27.1	25.1	23.6	20.4	195
200								31	29.6	27.7	24.1							27.4	26.2	24.2	22.6	20.4	200
205								29.8	28.5	27.2	23.9							26.3	25.2	23.3	21.8	20.2	205
210								28.7	27.4	26.4	23.7								24.2	22.4	20.9	19.7	210
215								27.7	26.3	25.3	23.4								23.2	21.6	20.1	18.9	215
220								26.7	25.3	24.3	22.8								22.3	20.8	19.4	18.2	220
225									24.4	23.4	22								21.5	20	18.6	17.4	225
230									23.5	22.5	21.1								20.7	19.2	17.9	16.7	230
235									22.6	21.6	20.3								19.9	18.4	17.3	16.1	235
240									21.8	20.8	19.4									17.7	16.6	15.4	240
245										20	18.6									17	15.9	14.8	245
250										19.2	17.9									16.3	15.2	14.2	250
255										18.5	17.2									15.7	14.6	13.6	255
260										17.8	16.5										14	13	260
265										17.2	15.8										13.4	12.4	265
270											15.2										12.8	11.8	270
275											14.6										12.3	11.4	275
280											14										11.9	10.9	280
285											13.4											10.4	285
290																						10	290
295																						9.6	295
300																						9.2	300

* adapter · pièce d'adaptateur

TAB 146500

NESS CAMPBELL CRANE + RIGGING

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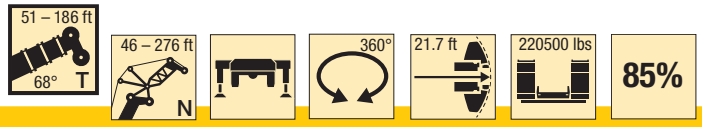
Lifting capacities
Forces de levage

TN



ft	118 ft + 13 ft*										152 ft + 13 ft*									186 ft + 13 ft*						ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	
95	68																									95
100	64.5	56																								100
105	61.5	56																								105
110	59	56									41.3															110
115		54.4	49.6								40.1															115
120		52.3	48.9								38.5	34.4														120
125		50.4	47.1									34.3														125
130		48.4	45.4	42.1								33								22.5						130
135			43.6	41								31.9	28							21.8						135
140			41.9	39.6	35.8							30.8	27.6								17.6					140
145			40.2	38.2	35.6								26.6								17.5					145
150			38.6	36.6	34.5								25.7	22.6							16.8					150
155			37.2	35.2	33.3	29.6							24.9	22							16.2	13.1				155
160				33.9	32	29.2							24.2	21.2	18.5							12.8				160
165				32.6	30.7	28.3							23.5	20.5	18.4							12.3				165
170				31.4	29.5	27.4	24.7						22.8	19.8	17.8							11.9	9.7			170
175				30.3	28.4	26.3	24.2							19.3	17.2	14.1						11.5	9.5			175
180					27.4	25.3	23.6	20						18.7	16.7	13.9						11.2	9.1	7.3		180
185					26.4	24.3	23	19.9						18.2	16.2	13.5							8.8	7.3		185
190					25.5	23.4	22.3	19.4						17.7	15.7	13	11						8.6	7		190
195					24.6	22.5	21.4	18.9	16.3						15.3	12.6	10.7						8.3	6.8	4.8	195
200					23.8	21.7	20.6	18.4	16						14.8	12.2	10.4	8.1					8	6.5	4.6	200
205						20.9	19.8	17.9	15.6	12.1					14.4	11.9	10.1	8						6.3	4.4	205
210						20.2	19.1	17.1	15.2	12.1					14	11.6	9.8	7.8						6.1	4.2	210
215						19.5	18.4	16.4	14.8	11.9					13.8	11.3	9.6	7.5	4.9					5.9	4	215
220						18.8	17.7	15.8	14.3	11.7						11	9.3	7.3	4.9					5.6	3.8	220
225							17	15.1	13.8	11.4						10.7	9	7	4.9					5.4	3.6	225
230							16.4	14.5	13.1	11.2						10.5	8.8	6.8	4.9						3.4	230
235							15.8	13.9	12.6	10.7						10.3	8.5	6.6	4.9						3.2	235
240							15.3	13.4	12	10.2							8.3	6.4	4.8						3	240
245							14.7	12.8	11.5	9.7							8.1	6.2	4.7						2.8	245
250								12.3	11	9.2							7.9	6	4.5							250
255								11.8	10.5	8.7							7.7	5.8	4.4							255
260								11.4	10	8.3							7.6	5.6	4.2							260
265								10.9	9.6	7.8								5.4	4							265
270									9.1	7.4								5.2	3.8							270
275									8.7	7								5	3.6							275
280									8.3	6.6								4.9	3.5							280
285									7.9	6.2									3.3							285
290									7.6	5.8									3.1							290
295									7.2	5.4									3							295
300										5.1									2.9							300
305										4.8																305
310										4.5																310

* adapter · pièce d'adaptateur

TAB 146500

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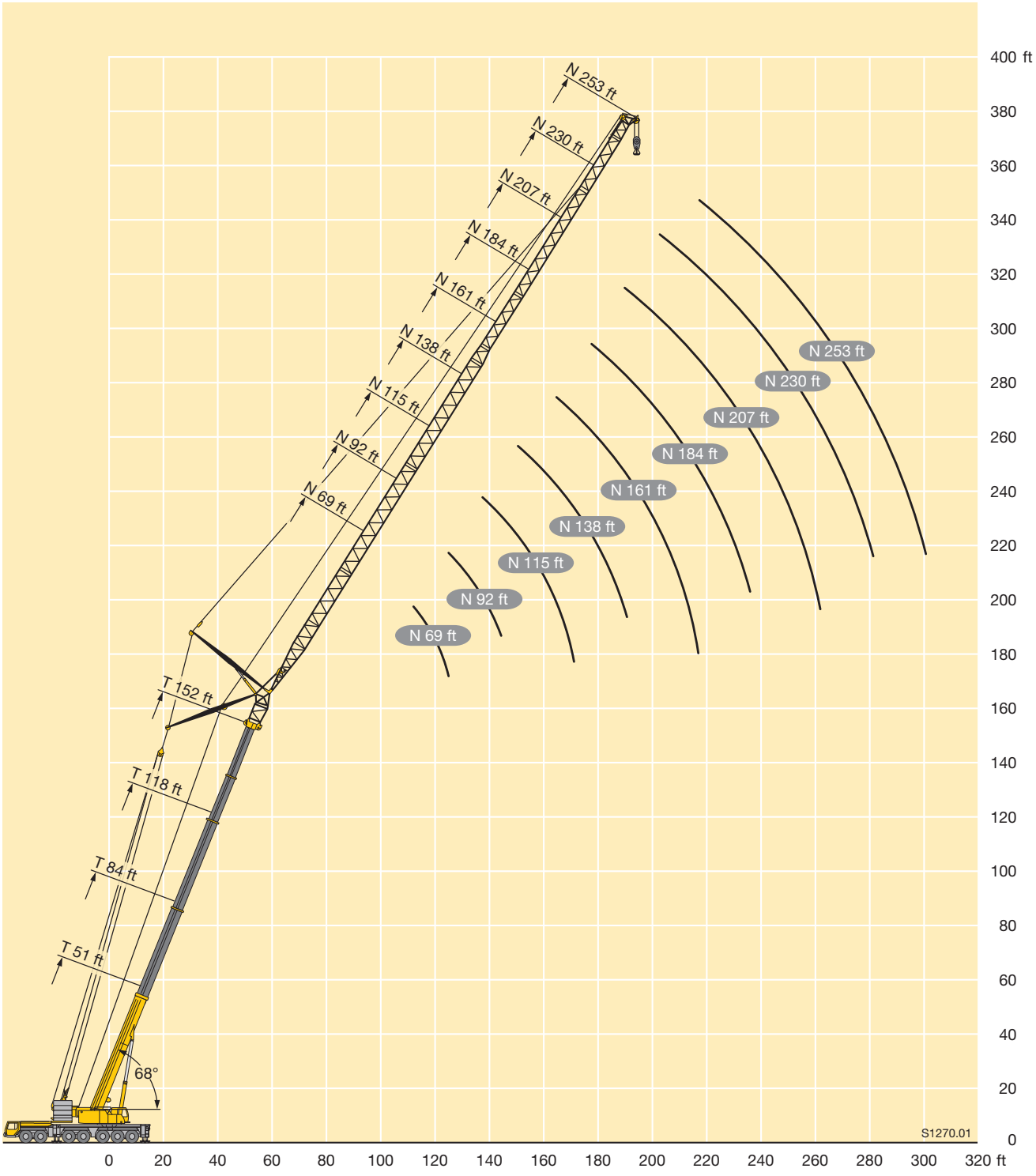
Lifting heights
Hauteurs de levage

TN



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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*					152 ft + 13 ft*					186 ft + 13 ft*		ft
	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	
90	54.1												90
95	54.1	44.5				43.7					34		95
100	54.1	44.5	36			43.7	36.1				34	21.8	100
105	54.1	44.5	36	30		43.7	36.1	28.2			34	21.8	105
110	54.1	44.5	36	30		43.6	36.1	28.2			34	21.8	110
115	54.1	44.5	36	30	23.5	42.8	36.1	28.2	22.6		33.3	21.8	115
120	53.7	44.5	36	30	23.5	41.6	36.1	28.2	22.6	17.2	32.3	21.8	120
125	52.5	44.5	36	30	23.5	40.4	36	28.2	22.6	17.2	31.2	21.8	125
130	51.3	44.5	36	30	23.5	39.3	35	28.2	22.6	17.2	30.2	21.8	130
135	50.2	44.4	36	30	23.5	38.3	34.1	28.2	22.6	17.2	29.2	21.8	135
140	49.1	44	36	30	23.5	37.3	33.2	28.2	22.6	17.2	28.3	21.8	140
145	48	43.2	36	30	23.5	36.3	32.4	28.1	22.6	17.2	27.5	21.8	145
150	47	42.4	36	30	23.5	35.4	31.7	27.6	22.6	17.2	26.7	21.8	150
155	46.1	41.6	35.7	29.9	23.5	34.5	31	27.1	22.6	17.2	25.9	21.8	155
160	45.3	40.9	35.3	29.8	23.5	33.7	30.3	26.5	22.6	17.2	25.1	21.8	160
165	44.4	40.1	34.8	29.5	23.5	33	29.6	26	22.5	17.2	24.4	21.7	165
170	43.3	39.4	34.2	29.1	23.5	32.6	29	25.5	22	17.2	23.7	21.1	170
175	41.6	38.8	33.7	28.7	23.5	32.5	28.3	25	21.6	17.2	23.3	20.5	175
180	39.9	38.4	33.2	28.2	23.5	32.5	27.7	24.5	21.2	17.2	23	20	180
185	38.2	37.9	32.8	27.9	23.5	32.3	27.3	24	20.8	17.1	22.7	19.4	185
190	36.6	36.9	32.3	27.5	23.5	32	27.2	23.5	20.5	16.9	22.5	18.9	190
195		35.4	31.9	27.1	23.4	31	27.2	23.1	20.1	16.6	22.3	18.6	195
200		34	31.7	26.8	23.3		27.1	22.7	19.7	16.3	22.1	18.5	200
205		32.6	31.5	26.5	23.1		27	22.5	19.4	16		18.3	205
210		31.3	30.9	26.1	22.9		26.8	22.4	19.1	15.7		18.1	210
215		29.8	29.7	25.8	22.7		26.1	22.4	18.7	15.4		18	215
220			28.5	25.6	22.5		24.9	22.3	18.5	15.1		17.8	220
225			27.4	25.4	22.2			22.3	18.4	14.8			225
230			26.3	25.1	22			22	18.3	14.5			230
235			25.2	24.4	21.9			21.4	18.3	14.2			235
240				23.5	21.7			20.5	18.3	14.1			240
245				22.6	21.5				18.2	14			245
250				21.7	21.2				18.1	14			250
255				20.8	20.4				17.6	14			255
260				19.6	19.6				16.9	14			260
265					18.8				16.1	13.9			265
270					18					13.9			270
275					17.2					13.8			275
280					16.5					13.3			280
285										12.7			285

* adapter · pièce d'adaptateur

TAB 146519

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*								152 ft + 13 ft*								186 ft + 13 ft*					ft
	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
55	105																					55
60	104																					60
65	104	82							81.5													65
70	100	82	66.5						78.5	66.5							62.5					70
75	97	82	66.5						76	66.5	55.8						61	53.6				75
80	94	82	66.5						73	66	55.8						58.4	53.2				80
85	91	81.5	66.5						70.5	64	55.8						56.1	51.2	46.1			85
90	88.5	79	66.5	54.1					68	61.5	55.4						53.9	49.4	44.7			90
95	85.5	77	66.5	54.1	44.5				66	59.6	54.3	43.7					51.9	47.6	43.3	34		95
100	82	74.5	66	54.1	44.5	36			64	57.6	52.6	43.7	36.1				50	45.8	41.8	34	21.8	100
105	78	72.5	65.5	54.1	44.5	36	30		62	55.8	51	43.7	36.1	28.2			48.3	44.2	40.4	34	21.8	105
110	74.5	70.5	63.5	54.1	44.5	36	30		60	54.1	49.5	43.6	36.1	28.2			46.7	42.7	39	34	21.8	110
115	70.5	69	62	54.1	44.5	36	30	23.5	59.1	52.5	48.1	42.8	36.1	28.2	22.6		45.2	41.3	37.7	33.3	21.8	115
120	66.5	66.5	60.5	53.7	44.5	36	30	23.5	58.1	50.9	46.7	41.6	36.1	28.2	22.6	17.2	43.9	40	36.4	32.3	21.8	120
125		64.5	59.1	52.5	44.5	36	30	23.5	57	49.5	45.4	40.4	36	28.2	22.6	17.2	43.1	38.7	35.3	31.2	21.8	125
130		61.5	57.7	51.3	44.5	36	30	23.5	54.6	48.3	44.2	39.3	35	28.2	22.6	17.2	42.5	37.5	34.2	30.2	21.8	130
135		58.5	56.3	50.2	44.4	36	30	23.5		47.7	43	38.3	34.1	28.2	22.6	17.2	42.1	36.4	33.1	29.2	21.8	135
140		55.7	55	49.1	44	36	30	23.5		47.2	41.9	37.3	33.2	28.2	22.6	17.2		35.5	32.1	28.3	21.8	140
145		52.8	53.5	48	43.2	36	30	23.5		46.7	40.8	36.3	32.4	28.1	22.6	17.2		35	31.1	27.5	21.8	145
150		49	51.7	47	42.4	36	30	23.5		45.6	40.1	35.4	31.7	27.6	22.6	17.2		34.5	30.2	26.7	21.8	150
155			49.5	46.1	41.6	35.7	29.9	23.5			39.8	34.5	31	27.1	22.6	17.2		34	29.5	25.9	21.8	155
160			47.3	45.3	40.9	35.3	29.8	23.5			39.6	33.7	30.3	26.5	22.6	17.2			29	25.1	21.8	160
165			45.2	44.4	40.1	34.8	29.5	23.5			39.3	33	29.6	26	22.5	17.2			28.6	24.4	21.7	165
170			43.1	43.3	39.4	34.2	29.1	23.5			38.6	32.6	29	25.5	22	17.2			28.3	23.7	21.1	170
175				41.6	38.8	33.7	28.7	23.5			36.9	32.5	28.3	25	21.6	17.2			28	23.3	20.5	175
180				39.9	38.4	33.2	28.2	23.5				32.5	27.7	24.5	21.2	17.2				23	20	180
185				38.2	37.9	32.8	27.9	23.5				32.3	27.3	24	20.8	17.1				22.7	19.4	185
190				36.6	36.9	32.3	27.5	23.5				32	27.2	23.5	20.5	16.9				22.5	18.9	190
195					35.4	31.9	27.1	23.4				31	27.2	23.1	20.1	16.6				22.3	18.6	195
200					34	31.7	26.8	23.3					27.1	22.7	19.7	16.3				22.1	18.5	200
205					32.6	31.5	26.5	23.1					27	22.5	19.4	16					18.3	205
210					31.3	30.9	26.1	22.9					26.8	22.4	19.1	15.7					18.1	210
215					29.8	29.7	25.8	22.7					26.1	22.4	18.7	15.4					18	215
220						28.5	25.6	22.5					24.9	22.3	18.5	15.1					17.8	220
225						27.4	25.4	22.2						22.3	18.4	14.8						225
230						26.3	25.1	22						22	18.3	14.5						230
235						25.2	24.4	21.9						21.4	18.3	14.2						235
240							23.5	21.7						20.5	18.3	14.1						240
245							22.6	21.5							18.2	14						245
250							21.7	21.2							18.1	14						250
255							20.8	20.4							17.6	14						255
260							19.6	19.6							16.9	14						260
265								18.8							16.1	13.9						265
270								18								13.9						270
275								17.2								13.8						275
280								16.5								13.3						280
285																12.7						285

* adapter · pièce d'adaptateur

TAB 146501

NESS CAMPBELL CRANE + RIGGING
PORTLAND OFFICE: 503.283.3111
SEATTLE OFFICE: 206.784.1054
WWW.NESSCAMPBELL.COM

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*							ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
45	154																											45
50	147	129									113																	50
55	139	127	105								110	96									84							55
60	131	122	104								104	95									83.5							60
65	123	117	104	82							99.5	91	81.5								79.5	72.5						65
70	116	112	100	82	66.5						95.5	87	78.5	66.5							75.5	70	62.5					70
75	109	107	97	82	66.5						92	83.5	76	66.5	55.8						72.5	67	61	53.6				75
80		102	94	82	66.5						89	80.5	73	66	55.8						69.5	64	58.4	53.2				80
85		97	91	81.5	66.5						87	77.5	70.5	64	55.8						67	61.5	56.1	51.2	46.1			85
90		92	88.5	79	66.5	54.1						74.5	68	61.5	55.4						66	59	53.9	49.4	44.7			90
95		87	85.5	77	66.5	54.1	44.5					72.5	66	59.6	54.3	43.7						56.9	51.9	47.6	43.3	34		95
100		81.5	82	74.5	66	54.1	44.5	36				71	64	57.6	52.6	43.7	36.1					54.9	50	45.8	41.8	34	21.8	100
105			78	72.5	65.5	54.1	44.5	36	30				62	55.8	51	43.7	36.1	28.2				53.4	48.3	44.2	40.4	34	21.8	105
110			74.5	70.5	63.5	54.1	44.5	36	30				60	54.1	49.5	43.6	36.1	28.2				52.3	46.7	42.7	39	34	21.8	110
115			70.5	68.5	62	54.1	44.5	36	30	23.5			59.1	52.5	48.1	42.8	36.1	28.2	22.6				45.2	41.3	37.7	33.3	21.8	115
120			66.5	66	60.5	53.7	44.5	36	30	23.5			58.1	50.9	46.7	41.6	36.1	28.2	22.6	17.2			43.9	40	36.4	32.3	21.8	120
125				63	59.1	52.5	44.5	36	30	23.5			57	49.5	45.4	40.4	36	28.2	22.6	17.2			43.1	38.7	35.3	31.2	21.8	125
130				60.5	57.7	51.3	44.5	36	30	23.5			54.6	48.3	44.2	39.3	35	28.2	22.6	17.2			42.5	37.5	34.2	30.2	21.8	130
135				58.2	55.7	50.2	44.4	36	30	23.5				47.7	43	38.3	34.1	28.2	22.6	17.2			42.1	36.4	33.1	29.2	21.8	135
140				55.7	53.6	49.1	44	36	30	23.5				47.2	41.9	37.3	33.2	28.2	22.6	17.2				35.5	32.1	28.3	21.8	140
145				52.8	51.6	48	43.2	36	30	23.5				46.7	40.8	36.3	32.4	28.1	22.6	17.2				35	31.1	27.5	21.8	145
150				49	49.6	47	42.4	36	30	23.5				45.6	40.1	35.4	31.7	27.6	22.6	17.2				34.5	30.2	26.7	21.8	150
155					47.9	45.8	41.6	35.7	29.9	23.5					39.8	34.5	31	27.1	22.6	17.2				34	29.5	25.9	21.8	155
160					46	44.4	40.9	35.3	29.8	23.5					39.6	33.7	30.3	26.5	22.6	17.2					29	25.1	21.8	160
165					44.2	42.8	40.1	34.8	29.5	23.5					39.3	33	29.6	26	22.5	17.2					28.6	24.4	21.7	165
170					42.4	41.3	39.3	34.2	29.1	23.5					38.6	32.6	29	25.5	22	17.2					28.3	23.7	21.1	170
175						39.8	38	33.7	28.7	23.5					36.9	32.5	28.3	25	21.6	17.2					28	23.3	20.5	175
180						38.3	36.7	33.2	28.2	23.5						32.5	27.7	24.5	21.2	17.2						23	20	180
185						36.8	35.5	32.8	27.9	23.5						32.3	27.3	24	20.8	17.1						22.7	19.4	185
190						35.4	34.3	32.2	27.5	23.5						32	27.2	23.5	20.5	16.9						22.5	18.9	190
195							33	31.1	27.1	23.4						31	27.2	23.1	20.1	16.6						22.3	18.6	195
200							31.8	30.1	26.8	23.3							27.1	22.7	19.7	16.3						22.1	18.5	200
205							30.6	29	26.5	23.1							27	22.5	19.4	16							18.3	205
210							29.5	28	26.1	22.9							26.8	22.4	19.1	15.7							18.1	210
215							28.4	27	25.8	22.7							26.1	22.4	18.7	15.4							18	215
220								26	25.3	22.5							24.9	22.3	18.5	15.1							17.8	220
225								25	24.5	22.2								22.3	18.4	14.8								225
230								24.1	23.6	22								22	18.3	14.5								230
235								23.2	22.7	21.3								21.4	18.3	14.2								235
240									21.9	20.5								20.5	18.3	14.1								240
245									21	19.7									18.2	14								245
250									20.3	19									18.1	14								250
255									19.5	18.2									17.6	14								255
260									18.8	17.5									16.9	14								260
265										16.8									16.1	13.9								265
270										16.2										13.9								270
275										15.5										13.8								275
280										14.9										13.3								280
285																				12.7								285

* adapter · pièce d'adaptateur

TAB 146503

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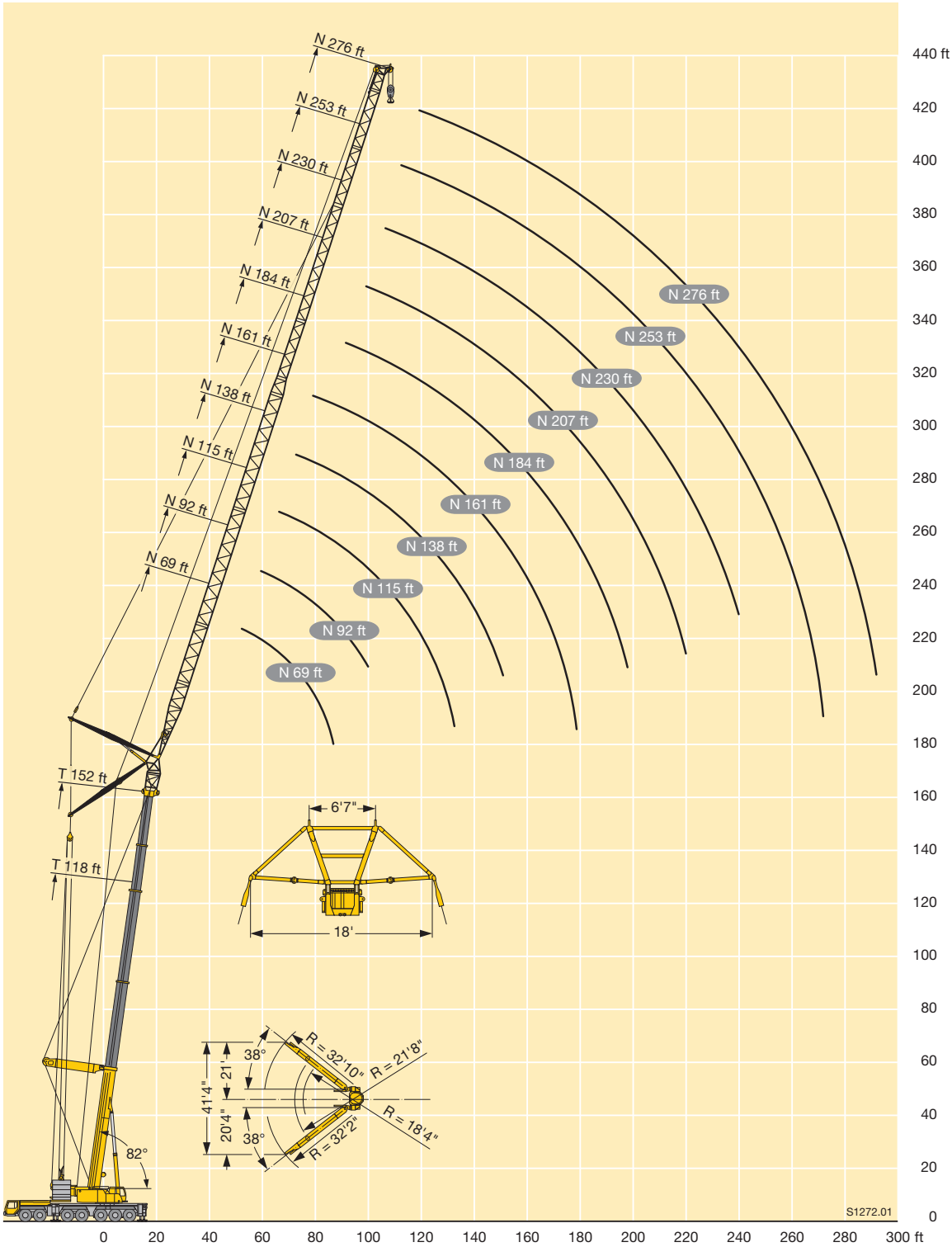

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*					152 ft + 13 ft*					186 ft + 13 ft*		ft
	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	
115	50												115
120	49.5												120
125	48.2												125
130	47	41.7				34.2							130
135	45.8	41	34.9			33.3	29.3						135
140	44.6	40	34.6			32.2	28.9				22.5		140
145	43.5	39	33.8			31.1	28				22.4		145
150	42.5	38.2	33.1	28.8		30.1	27.1	23.7			21.5	18.7	150
155	41.6	37.3	32.5	28.4		29.1	26.3	23.2			20.6	18.1	155
160	40.8	36.4	31.8	27.9		28.3	25.5	22.5	19.1		19.8	17.4	160
165	40.1	35.7	31.2	27.4	22.6	27.6	24.7	21.9	19		19	16.7	165
170	39.3	35.1	30.6	26.9	22.6	27	23.9	21.3	18.5	15	18.3	16	170
175	38.6	34.5	30	26.4	22.4	26.4	23.3	20.7	18	14.6	17.7	15.4	175
180	37.9	34	29.5	26	22.1	25.8	22.7	20.1	17.5	14.3	17.2	14.8	180
185	37.3	33.5	29	25.6	21.8	25.2	22.2	19.6	17.1	13.9	16.7	14.2	185
190	36.7	32.9	28.6	25.1	21.5	24.6	21.8	19.1	16.6	13.5	16.2	13.8	190
195	36.4	32.4	28.1	24.7	21.2	24.1	21.3	18.6	16.2	13.1	15.7	13.4	195
200	35.7	32	27.7	24.4	20.9	23.8	20.8	18.2	15.7	12.8	15.3	13	200
205	34.7	31.5	27.3	24	20.6	23.6	20.4	17.8	15.3	12.5	14.8	12.6	205
210		31.1	26.9	23.7	20.3	23.6	19.9	17.4	15	12.1	14.4	12.3	210
215		31	26.5	23.3	20	23.6	19.5	17	14.6	11.8	14.3	11.9	215
220		30.2	26.1	23	19.7		19.3	16.6	14.3	11.5	14.3	11.6	220
225		29.2	25.8	22.6	19.4		19.1	16.2	14	11.3	14.3	11.3	225
230			25.5	22.3	19.1		19.1	15.8	13.6	11		10.9	230
235			25.5	22	18.9		19.1	15.5	13.3	10.8		10.9	235
240			24.9	21.7	18.6		19.1	15.3	13	10.5		10.9	240
245			24.1	21.4	18.3			15.2	12.7	10.3		10.9	245
250			23.2	21.1	18.1			15.2	12.4	10.1			250
255			22.5	21.1	17.8			15.2	12.1	9.9			255
260				20.9	17.6			15.2	11.9	9.6			260
265				20.4	17.4				11.8	9.4			265
270				19.7	17.2				11.8	9.2			270
275				18.8	17.2				11.8	8.9			275
280					16.9				11.8	8.7			280
285					16.4				11.8	8.7			285
290					15.8					8.7			290
295					15.2					8.7			295
300					14.5					8.7			300
305										8.7			305

* adapter · pièce d'adaptateur

TAB 146521

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*								152 ft + 13 ft*								186 ft + 13 ft*					ft
	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
90	79.5																					90
95	78	69.5							56.9													95
100	75	68.5							56.2													100
105	72.5	66.5							54													105
110	70	64.5	58						51.9	47.2							39.2					110
115	68	62.5	56.9	50					50	46	41.7						38.1	34.4				115
120	66.5	60.5	55.2	49.5					48.4	44.3	41.2						36.5	33.8				120
125	64.5	58.7	53.7	48.2					46.9	42.7	39.7						35	32.5				125
130	61.5	57.3	52.2	47	41.7				45.5	41.2	38.4	34.2					33.8	31.2	28.3			130
135	58.8	55.8	50.8	45.8	41	34.9			44.2	39.9	37.1	33.3	29.3				32.7	29.9	27.5			135
140		54.3	49.6	44.6	40	34.6			43.2	38.8	35.8	32.2	28.9				31.6	28.8	26.4	22.5		140
145		52.6	48.4	43.5	39	33.8			42.6	37.7	34.7	31.1	28				30.6	27.8	25.4	22.4		145
150		50.4	47.4	42.5	38.2	33.1	28.8		42.6	36.6	33.8	30.1	27.1	23.7			29.6	27	24.4	21.5	18.7	150
155		48.3	46.3	41.6	37.3	32.5	28.4			35.6	33	29.1	26.3	23.2			29.2	26.1	23.5	20.6	18.1	155
160		46.4	45	40.8	36.4	31.8	27.9			34.9	32.1	28.3	25.5	22.5	19.1			25.3	22.7	19.8	17.4	160
165			43.4	40.1	35.7	31.2	27.4	22.6		34.4	31.4	27.6	24.7	21.9	19			24.6	22.1	19	16.7	165
170			41.7	39.3	35.1	30.6	26.9	22.6		34.4	30.6	27	23.9	21.3	18.5	15		23.8	21.4	18.3	16	170
175			40.1	38.6	34.5	30	26.4	22.4			29.9	26.4	23.3	20.7	18	14.6		23.6	20.9	17.7	15.4	175
180			38.6	37.5	34	29.5	26	22.1			29.4	25.8	22.7	20.1	17.5	14.3		23.5	20.3	17.2	14.8	180
185				36.1	33.5	29	25.6	21.8			29.1	25.2	22.2	19.6	17.1	13.9			19.7	16.7	14.2	185
190				34.7	32.9	28.6	25.1	21.5			29.1	24.6	21.8	19.1	16.6	13.5			19.2	16.2	13.8	190
195				33.4	32.1	28.1	24.7	21.2			29.1	24.1	21.3	18.6	16.2	13.1			19	15.7	13.4	195
200				32.2	31	27.7	24.4	20.9				23.8	20.8	18.2	15.7	12.8			18.9	15.3	13	200
205				31	29.9	27.3	24	20.6				23.6	20.4	17.8	15.3	12.5				14.8	12.6	205
210					28.7	26.9	23.7	20.3				23.6	19.9	17.4	15	12.1				14.4	12.3	210
215					27.7	26.1	23.3	20				23.6	19.5	17	14.6	11.8				14.3	11.9	215
220					26.7	25.2	23	19.7					19.3	16.6	14.3	11.5				14.3	11.6	220
225					25.8	24.3	22.6	19.4					19.1	16.2	14	11.3				14.3	11.3	225
230						23.3	22.3	19.1					19.1	15.8	13.6	11					10.9	230
235						22.5	21.9	18.9					19.1	15.5	13.3	10.8					10.9	235
240						21.6	21.1	18.6					19.1	15.3	13	10.5					10.9	240
245						20.9	20.3	18.3						15.2	12.7	10.3					10.9	245
250						20.1	19.6	18						15.2	12.4	10.1						250
255						19.4	18.8	17.4						15.2	12.1	9.9						255
260							18.1	16.7						15.2	11.9	9.6						260
265							17.4	16.1							11.8	9.4						265
270							16.8	15.4							11.8	9.2						270
275							16.1	14.8							11.8	8.9						275
280								14.2							11.8	8.7						280
285								13.6							11.8	8.7						285
290								13								8.7						290
295								12.5								8.7						295
300								12.1								8.7						300
305																8.7						305

* adapter · pièce d'adaptateur

TAB 146504

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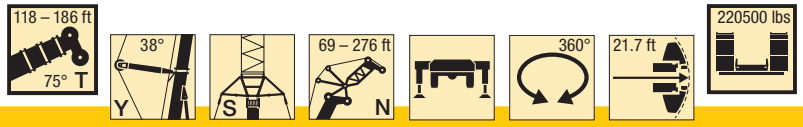
Lifting capacities
Forces de levage

TYSN



ft	118 ft + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*							ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
70	111																											70
75	106	96.5																										75
80	99.5	95.5									77.5																	80
85	93.5	89.5									74																	85
90	88	84.5	79.5								70.5	65									54.6							90
95	83.5	80	76.5	69.5							68	63	56.9								53							95
100		75.5	72.5	68.5							65.5	60.5	56.2								50.6	47.3						100
105		72	69	66.5								58.2	54								48.6	45.2						105
110		68.5	65.5	63	58							56.2	51.9	47.2							46.8	43.2	39.2					110
115		65.5	62.5	60	56.9	50						54.3	50	46	41.7							41.5	38.1	34.4				115
120			59.6	57.2	54.9	49.5						52.8	48.4	44.3	41.2							40	36.5	33.8				120
125			57	54.7	52.3	48.2							46.9	42.7	39.7							38.6	35	32.5				125
130			54.6	52.3	50.1	47	41.7						45.5	41.2	38.4	34.2						37.3	33.8	31.2	28.3			130
135			52.4	50.1	47.9	45.7	41	34.9					44.2	39.9	37.1	33.3	29.3					36.5	32.7	29.9	27.5			135
140				48.1	45.9	44.2	40	34.6					43.2	38.8	35.8	32.2	28.9						31.6	28.8	26.4	22.5		140
145				46.2	44.1	42.4	39	33.8					42.5	37.7	34.7	31.1	28						30.6	27.8	25.4	22.4		145
150				44.4	42.3	40.6	38.2	33.1	28.8				41.6	36.6	33.8	30.1	27.1	23.7					29.6	27	24.4	21.5	18.7	150
155				42.8	40.7	39	37	32.5	28.4					35.6	33	29.1	26.3	23.2					29.2	26.1	23.5	20.6	18.1	155
160				41.1	39.2	37.5	35.6	31.8	27.9					34.9	32.1	28.3	25.5	22.5	19.1					25.3	22.7	19.8	17.4	160
165					37.8	36.1	34.3	31.2	27.4	22.6				34.3	31.4	27.6	24.7	21.9	19					24.6	22.1	19	16.7	165
170					36.4	34.8	32.9	30.6	26.9	22.6				33.7	30.6	27	23.9	21.3	18.5	15				23.8	21.4	18.3	16	170
175					35.1	33.5	31.7	29.6	26.4	22.4					29.9	26.4	23.3	20.7	18	14.6				23.6	20.9	17.7	15.4	175
180					33.7	32.3	30.5	28.4	26	22.1					29.4	25.8	22.7	20.1	17.5	14.3				23.5	20.3	17.2	14.8	180
185						31.2	29.4	27.3	25.6	21.8					28.9	25.2	22.2	19.6	17.1	13.9					19.7	16.7	14.2	185
190						30.1	28.4	26.3	25.1	21.5					28.1	24.6	21.8	19.1	16.6	13.5					19.2	16.2	13.8	190
195						29	27.4	25.3	24.4	21.2					27.2	24.1	21.3	18.6	16.2	13.1					19	15.7	13.4	195
200						27.8	26.4	24.4	23.6	20.9						23.8	20.8	18.2	15.7	12.8					18.9	15.3	13	200
205						26.8	25.5	23.5	22.7	20.5						23.3	20.4	17.8	15.3	12.5						14.8	12.6	205
210							24.6	22.7	21.8	20						22.6	19.9	17.4	15	12.1						14.4	12.3	210
215							23.6	21.9	21	19.2						21.9	19.5	17	14.6	11.8						14.3	11.9	215
220							22.7	21.1	20.3	18.5							19.2	16.6	14.3	11.5						14.3	11.6	220
225							21.9	20.3	19.5	17.7							18.8	16.2	14	11.3						14.3	11.3	225
230								19.6	18.8	17							18.2	15.8	13.6	11							10.9	230
235								18.8	18.1	16.4							17.6	15.5	13.3	10.8							10.9	235
240								18.1	17.5	15.7							17	15.3	13	10.5							10.9	240
245								17.3	16.8	15.1								15	12.7	10.3							10.9	245
250								16.7	16.1	14.5								14.5	12.4	10.1								250
255								16	15.4	13.9								14	12.1	9.9								255
260									14.8	13.4								13.5	11.9	9.6								260
265									14.2	12.8									11.6	9.4								265
270									13.6	12.2									11.2	9.2								270
275									13	11.8									10.7	8.9								275
280										11.4									10.3	8.5								280
285										10.9									9.9	8.1								285
290										10.5										7.8								290
295										10.1										7.4								295
300										9.7										7								300
305																				6.7								305

* adapter · pièce d'adaptateur

TAB 146506

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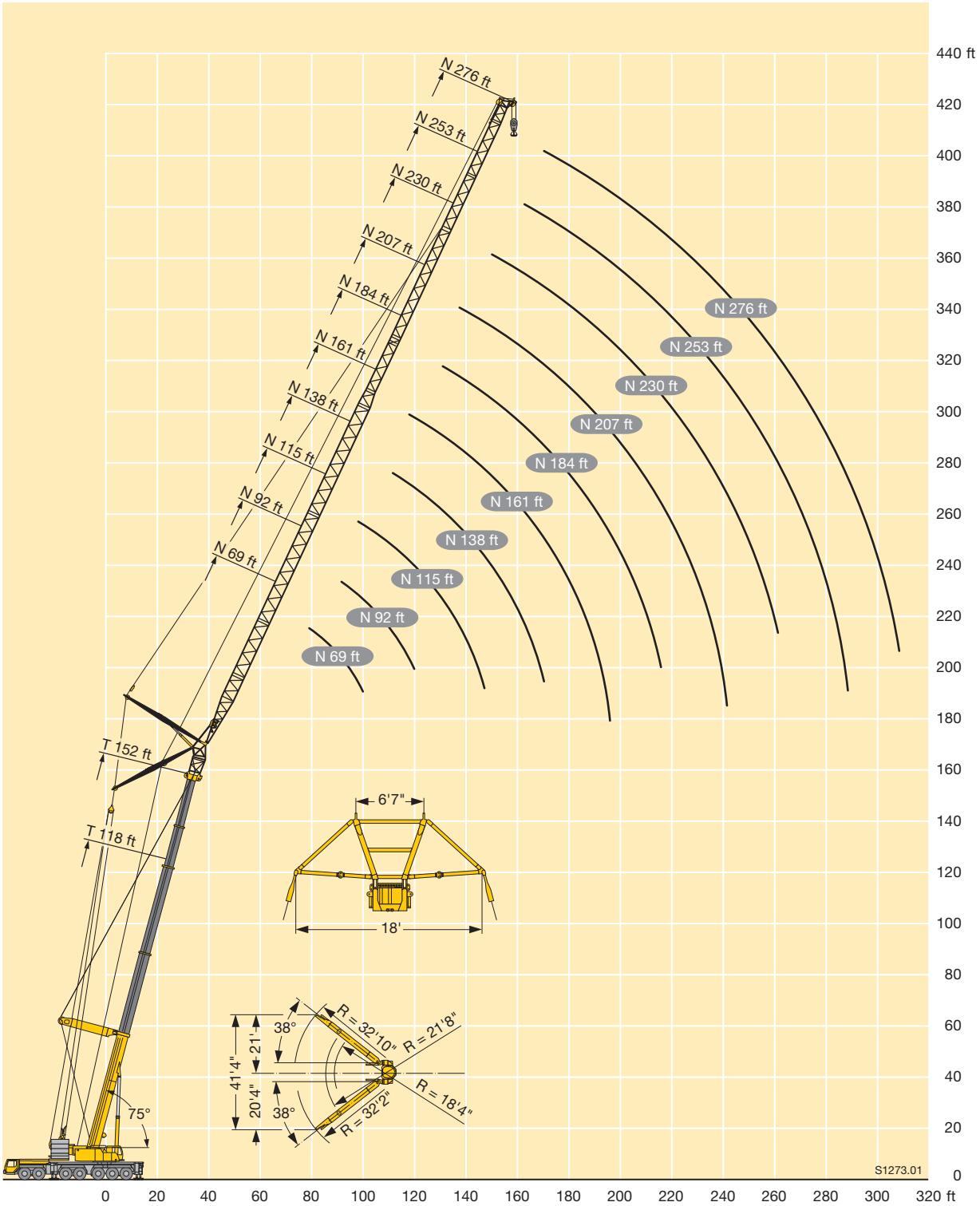

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*					152 ft + 13 ft*					186 ft + 13 ft*		ft
	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	230 ft	253 ft	276 ft	184 ft	207 ft	
155	37.3												155
160	36.8												160
165	35.8												165
170	34.9	31.6				22.5							170
175	34	31				21.9							175
180	33.3	30.3	26.2			21.2	18.4				12.4		180
185	32.6	29.7	26			20.5	18.3				12.3		185
190	32	29	25.4			19.8	17.7				11.8		190
195	31.4	28.5	24.9	21.9		19.3	17	14.8			11.3	9.6	195
200	30.9	27.9	24.3	21.6	18.4	18.8	16.4	14.4			10.9	9.3	200
205	30.1	27.4	23.8	21.1	18.3	18.2	15.9	13.9	11.7		10.5	8.9	205
210	29.1	26.9	23.3	20.7	17.9	17.6	15.3	13.4	11.7		10.2	8.6	210
215	28.1	26.4	22.9	20.2	17.5	17	14.8	12.9	11.3		9.8	8.2	215
220	27.1	25.7	22.5	19.8	17.1	16.5	14.3	12.4	11	8.8	9.5	7.8	220
225		24.9	22.1	19.4	16.8	16.1	13.9	11.9	10.6	8.7	9.2	7.5	225
230		24	21.6	19	16.4	15.9	13.4	11.6	10.1	8.3	8.9	7.2	230
235		23.2	21.3	18.6	16.1	15.8	12.9	11.2	9.7	7.9	8.5	6.9	235
240		22.4	20.7	18.3	15.7		12.5	10.8	9.4	7.5	8.3	6.6	240
245		21.6	20	17.9	15.4		12.2	10.5	9	7.2	8.1	6.3	245
250			19.3	17.6	15.1		12	10.2	8.7	6.8		6.1	250
255			18.6	17.3	14.8		12	9.8	8.4	6.4		5.8	255
260			17.9	16.9	14.5		12	9.5	8.1	6.2		5.6	260
265			17.3	16.5	14.2			9.3	7.8	5.9		5.5	265
270				16	13.9			9.1	7.5	5.6			270
275				15.4	13.7			9.1	7.3	5.4			275
280				14.8	13.3			9.1	7	5.1			280
285				14.3	12.8				6.7	4.9			285
290				13.7	12.3				6.6	4.6			290
295				13.2	11.9				6.6	4.4			295
300					11.5				6.6	4.1			300
305					11.1					3.9			305
310					10.8					3.8			310
315										3.8			315
320										3.8			320
325										3.8			325

* adapter · pièce d'adaptateur

TAB 146523

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*								152 ft + 13 ft*								186 ft + 13 ft*					ft
	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
115	61																					115
120	59.9																					120
125	57.5																					125
130	54.8	51.7							39													130
135	52.3	50.4							37.8													135
140	49.9	48.5	44.1						36.4	32.5							25.2					140
145	47.7	46.4	43.9						35.1	32.3							25.1					145
150	45.7	44.4	42.5						34.1	31							24					150
155	43.8	42.5	41	37.3					33.1	29.9	27.6						23	20.6				155
160		40.7	39.5	36.8					32.3	28.9	27.2						22.1	20.2				160
165		39.1	37.8	35.8					31.6	28.1	26.2						21.4	19.3				165
170		37.5	36.2	34.9	31.6				31.5	27.4	25.3	22.5					20.7	18.5	16.5			170
175		36	34.8	33.6	31					26.7	24.6	21.9					20.1	17.8	15.9			175
180			33.4	32.3	30.3	26.2				26	23.9	21.2	18.4				19.7	17.2	15.3	12.4		180
185			32.1	31	29.6	26				25.5	23.3	20.5	18.3					16.7	14.7	12.3		185
190			30.8	29.7	28.4	25.4				25.3	22.7	19.8	17.7					16.1	14.1	11.8		190
195			29.7	28.6	27.3	24.9	21.9				22.1	19.3	17	14.8				15.6	13.6	11.3	9.6	195
200			28.6	27.4	26.2	24.3	21.6	18.4			21.5	18.8	16.4	14.4				15.3	13.2	10.9	9.3	200
205				26.4	25.1	23.6	21.1	18.3			21.1	18.2	15.9	13.9	11.7				12.8	10.5	8.9	205
210				25.4	24.1	22.6	20.7	17.9			20.8	17.6	15.3	13.4	11.7				12.4	10.2	8.6	210
215				24.4	23.2	21.6	20.2	17.5			20.8	17	14.8	12.9	11.3				12	9.8	8.2	215
220				23.5	22.3	20.7	19.8	17.1				16.5	14.3	12.4	11	8.8			11.7	9.5	7.8	220
225					21.4	19.9	19.3	16.8				16.1	13.9	11.9	10.6	8.7			11.6	9.2	7.5	225
230					20.6	19.1	18.6	16.4				15.9	13.4	11.6	10.1	8.3				8.9	7.2	230
235					19.8	18.3	17.7	16.1				15.8	12.9	11.2	9.7	7.9				8.5	6.9	235
240					19.1	17.6	17	15.5					12.5	10.8	9.4	7.5				8.3	6.6	240
245					18.4	16.8	16.3	14.9					12.2	10.5	9	7.2				8.1	6.3	245
250						16.1	15.6	14.2					12	10.2	8.7	6.8					6.1	250
255						15.5	14.9	13.5					12	9.8	8.4	6.4					5.8	255
260						14.9	14.3	12.8					12	9.5	8.1	6.2					5.6	260
265						14.3	13.7	12.3						9.3	7.8	5.9					5.5	265
270							13.1	11.8						9.1	7.5	5.6						270
275							12.5	11.4						9.1	7.3	5.4						275
280							12.1	11						9.1	7	5.1						280
285							11.7	10.6							6.7	4.9						285
290							11.3	10.2							6.6	4.6						290
295							10.9	9.8							6.6	4.4						295
300								9.4							6.6	4.1						300
305								9								3.9						305
310								8.7								3.8						310
315																3.8						315
320																3.8						320
325																3.8						325

* adapter · pièce d'adaptateur

TAB 146507

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Lifting capacities
Forces de levage

TYSN

ft	118 ft + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*							ft
	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	253 ft	276 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	
90	75.5																											90
95	73																											95
100	69	62.5																										100
105	65.5	62.5									55.6																	105
110	62.5	59.4									53.1																	110
115		56.6	52.3								50.9	46.6																115
120		54	51.4								49	45.9									37.2							120
125		51.6	49									43.9									35.5							125
130		49.5	46.9	44.2								42.2	39								34	31.2						130
135			44.9	42.8								40.6	37.8								32.7	30.2						135
140			43.1	41	37.4							39.1	36.4	32.5								28.9	25.2					140
145			41.4	39.3	37.2								35.1	32.3								27.7	25.1					145
150			39.8	37.7	35.7								33.9	31								26.7	24					150
155			38.2	36.2	34.2	31.9							32.6	29.9	27.6							25.7	23	20.6				155
160				34.9	32.9	31.2							31.4	28.8	27.2								22.1	20.2				160
165				33.5	31.6	30							30.2	27.8	26.2								21.4	19.3				165
170				32.3	30.4	28.8	26.8						29.1	26.7	25.3	22.5							20.7	18.5	16.5			170
175				31	29.3	27.7	25.8							25.7	24.4	21.9							20.1	17.8	15.9			175
180					28.2	26.6	24.8	22						24.8	23.5	21.2	18.4						19.7	17.2	15.3	12.4		180
185					27.2	25.6	23.8	21.8						23.9	22.6	20.4	18.3							16.7	14.7	12.3		185
190					26.2	24.7	22.9	20.8						23	21.8	19.7	17.7							16.1	14.1	11.8		190
195					25.2	23.8	22	20	18.9						21	18.9	17	14.8						15.6	13.6	11.3	9.6	195
200					24.2	22.9	21.2	19.2	18.4	15.9					20.2	18.2	16.4	14.4						15.3	13.2	10.9	9.3	200
205						22.1	20.4	18.4	17.6	15.7					19.5	17.5	15.7	13.9	11.7						12.8	10.5	8.9	205
210						21.3	19.6	17.6	16.8	15					18.8	16.8	15.1	13.4	11.7						12.4	10.2	8.6	210
215						20.4	18.9	16.9	16.1	14.3					18.2	16.1	14.4	12.9	11.3						12	9.8	8.2	215
220						19.6	18.2	16.2	15.5	13.6						15.5	13.8	12.4	11	8.8					11.7	9.5	7.8	220
225							17.5	15.6	14.8	13						15	13.3	11.9	10.5	8.6					11.6	9.2	7.5	225
230							16.8	15	14.2	12.4						14.4	12.7	11.4	10	8.2						8.9	7.2	230
235							16.2	14.4	13.6	11.8						13.9	12.2	10.9	9.5	7.7						8.5	6.9	235
240							15.5	13.8	13	11.2							11.7	10.4	9	7.2						8.3	6.6	240
245							14.8	13.3	12.5	10.7							11.2	9.9	8.5	6.7						8.1	6.3	245
250								12.7	11.9	10.2							10.8	9.4	8.1	6.3							6.1	250
255								12.2	11.4	9.7							10.4	9	7.6	5.8							5.8	255
260								11.7	11	9.2							10	8.6	7.2	5.4							5.6	260
265								11.3	10.5	8.7								8.2	6.8	5							5.5	265
270									10	8.3								7.8	6.4	4.7								270
275									9.6	7.9								7.4	6	4.3								275
280									9.2	7.5								7	5.7	3.9								280
285									8.8	7.1									5.3	3.6								285
290									8.4	6.7									5	3.3								290
295									8.1	6.3									4.7	2.9								295
300										6									4.4	2.6								300
305										5.6										2.3								305
310										5.3																		310

* adapter · pièce d'adaptateur

TAB 146509

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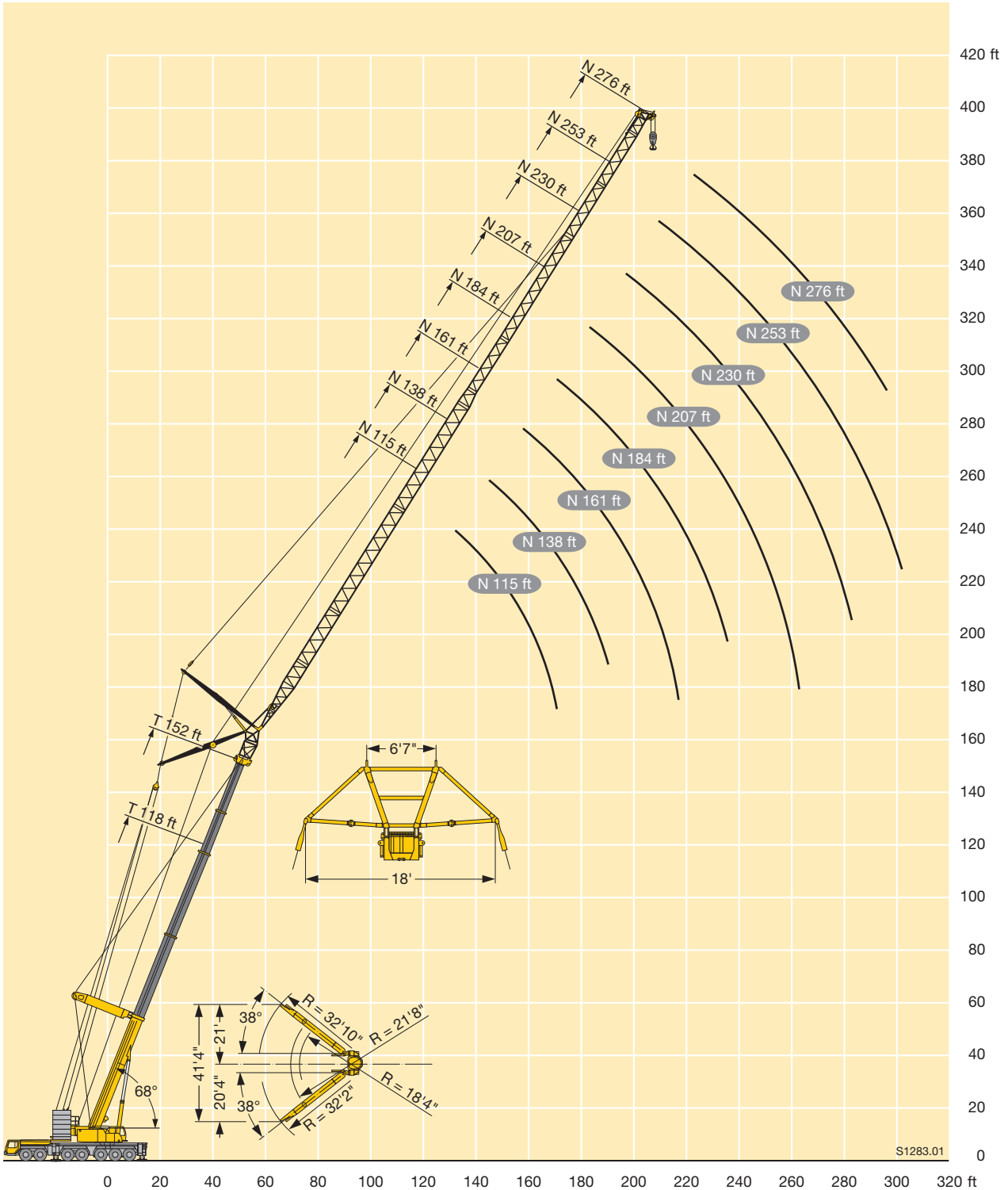

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Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	8-cylinder Diesel, make Liebherr, watercooled, output 450 kW (612 h.p.), max. torque 2095 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 158 gallons.
Transmission	Automatic transmission system with converter control clutch, make ZF, type TC-TRONIC with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
Axles	Low maintenance carrier axles, all 7 axles steered. Axle 1, 3 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
Tyres	14-fold. Tyre size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: All-wheel servo-air brake, dual circuit system. Additional brakes: Exhaust pipe flap retarder, retarder mounted to shift gear, TELMA-type eddy current brake (optional). Hand brake: Spring-loaded brake, acting on all wheels of the 2nd to the 7th axle.
Driver’s cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	6-cylinder Diesel engine, make Liebherr, watercooled, 240 kW (326 h.p.), max. torque 1125 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 66 gallons.
Crane drive	Diesel-hydraulic with 4 axial piston variable displacement pumps with servo-control and capacity regulation.
Control	Two self-centering control levers (joy-stick type). Stepless control of all crane motions by variation of the hydraulic pumps, additional speed regulation by variation of the Diesel engine speed.
Hoist gear	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	2 differential rams with safety check valve.
Slewing gear	Hydraulic motor, planetary gear, slewing pinion and spring-loaded static brake.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON safe load indicator, hoist limit switches, safety valves against rupture of pipes and hoses.
Counterweight	220500 lbs counterweight comprising: 1 base slab 33000 lbs + 11100 lbs, 6 slabs of 22000 lbs each, 4 slabs of 11100 lbs each. Hydraulic ballasting device at the counterweight frame.
Telescopic boom	1 base section and 4 telescopic sections. All telescopic sections extendable individually by rapid-cycle telescoping system TELEMATIK. Boom length: 51 ft – 197 ft.
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Telescopic boom guying system	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position.
Lattice jibs	Fixed lattice jib 23 ft – 184 ft long, at 0°, 20° or 40°, lattice luffing jib 46 ft – 276 ft long.
2nd hoist gear	For 2-hook operation.
3rd hoist gear	For the variation of the lattice luffing jib.
Additional ballast	4 additional counterweight slabs of 22000 lbs each for a total counterweight of 308600 lbs.
Tyres	14 tyres. Tyre size: 525/80 R 25 (20.5 R 25).
Drive 14 x 8	The 6th axle is driven additionally.

Other items of equipment available on request.

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Equipment
Equipement

Châssis porteur

Châssis	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.
Moteur	Moteur diesel, 8 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 450 kW (612 ch), couple max. 2095 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 158 gallons.
Réducteurs	Système de réducteurs automatique avec convertisseur-embrayage, marque ZF, type TC-TRONIC avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
Essieux	Essieux nécessitant peu d'entretien, les 7 essieux sont directeurs. Les essieux 1, 3 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Suspension hydropneumatique «Niveaumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	14 fois. Monte de pneumatiques: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Frein de service: servo-frein pneumatique pour toutes les roues, 2 circuits. Freins supplémentaires: frein avec clapet sur échappement, ralentisseur, monté sur boîte de vitesse, frein Telma (en option). Frein à main: accumulateur à ressort, agissant sur toutes les roues des essieux 2 à 7.
Cabine	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentblocs, vitrage de sécurité.
Circuit électrique	Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de chacune 170 Ah.

Partie tournante

Cadre	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
Moteur de la grue	Diesel, 6 cylinders, marque Liebherr, refroidi par eau, puissance 240 kW (326 ch), couple max. 1125 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 66 gallons.
Entraînement	Diesel-hydraulique avec pompes à débit variable à 4 pistons axiaux, servocommande et régulation de la puissance.
Commande	Deux manipulateurs à 4 directions, à centrage automatique. Régulation progressive de tous les mouvements de la grue par réglage des pompes hydrauliques. Régulation supplémentaire de la vitesse par réglage du régime du moteur diesel.
Treuil	Moteur hydraulique à cylindrée variable, treuil avec réducteur planétaire à frein d'arrêt à lamelles intégrées.
Mécanisme de relevage	2 vérins différentiels avec clapet de sécurité anti-retour.
Mécanisme d'orientation	Moteur hydraulique, réducteur planétaire, pignon du mécanisme d'orientation et frein d'arrêt commandé par ressort.
Cabine de grue	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge LICCON, limiteur de course, clapets de sécurité contre les ruptures de conduites et de flexibles.
Contrepoids	Contrepoids de 220500 lbs composé de: 1 plaque de base de 33000 lbs + 11100 lbs, 6 éléments de 22000 lbs, 4 éléments de 11100 lbs. Dispositif de lestage hydraulique au support contrepoids.
Flèche télescopique	1 élément de base et 4 éléments télescopiques. Tous les éléments télescopiques peuvent être sortis individuellement grâce au système de télescopage rapide TELEMATIK. Longueur de la flèche: 51 ft – 197 ft.
Circuit électrique	Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de chacune 170 Ah.

Equipement supplémentaire

Haubanage de la flèche télescopique	Composé du chevalet d'haubanage avec haubanage du câble, rabattable hydrauliquement en position de transport.
Fléchette à treillis	Fléchette à treillis fixe de 23 ft – 184 ft, montage possible sous 0°, 20° ou 40°, fléchette à treillis à volée variable de 46 ft – 276 ft.
2ème treuil de levage	Pour le mode 2 crochets.
3ème treuil de levage	Pour le réglage de la fléchette à treillis.
Contrepoids complémentaire	4 plaques complémentaires de 22000 lbs, pour une masse totale de 308600 lbs.
Pneumatiques	14 fois. Monte de pneumatiques: 525/80 R 25 (20.5 R 25).
Entraînement 14 x 8	Le 6ème essieu est également entraîné.

Autres équipements supplémentaires sur demande.

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Description of symbols
Explication des symboles

General symbols · Symboles généraux

	Outriggers Calage
	Axle Essieu
	Radius Portée
	Boom length Longueur de la flèche
	Boom position Position de la flèche
	Counterweight Contrepoids
	Counterweight radius Rayon de contrepoids
	Tyres Pneumatiques
	Slewing gear / Working area Mécanisme d'orientation / Plage de travail

	Driving speed Vitesse de translation
	Gear Vitesse
	Hookblock / Capacity Moufle à crochet / Capacité de charge
	Hoist gear Treuil de levage
	Crane carrier Châssis porteur
	Crane superstructure Partie tournante de la grue
	Standard Norme
	Gradability Aptitude à gravir les pentes

Crane specific symbols · Symboles spécifiques à la grue

	Telescopic boom Flèche télescopique
	Guying system for telescopic boom Y Haubanage de flèche Y
	Fixed lattice jib Flechette treillis fixe

	Spacer Haubanage
	Luffing fly jib Fléchette treillis à volée variable

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Remarks referring to load charts

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
   The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 23 ft/s (7 m/s, 15.7 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centre.
6. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 445000 lbs/529000 lbs only with additional pulley block/special equipment.
9. 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 relatives aux tableaux des charges

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 23 ft/s (7 m/s, 15.7 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 charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
7. Charges données sous réserve de modification.
8. Les charges supérieures à 445000 lbs/529000 lbs seulement avec moufle additionnel/équipement supplémentaire.
9. 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.

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