



Absolutely The Best Crane Mats In The World.

This document is stored and available in the Raptor Tech Technical Document Repository.

To help our customers understand certain critical data points that factor into purchasing crane mats, Raptor Tech maintains a repository of technical documents with data from all major crane manufacturers.

You can visit Raptor Tech's repository to get crane specifications and technical details for crane models in addition to this model at:

<https://library.steelcranemats.com>

Thank You for Visiting the [SteelCraneMats.com](https://library.steelcranemats.com) Technical Specifications Document Repository.

Telescopic Crawler Crane Grue télescopique sur chenilles

LTR 1220

**Technical Data
Caractéristiques techniques**



LIEBHERR

Table of content

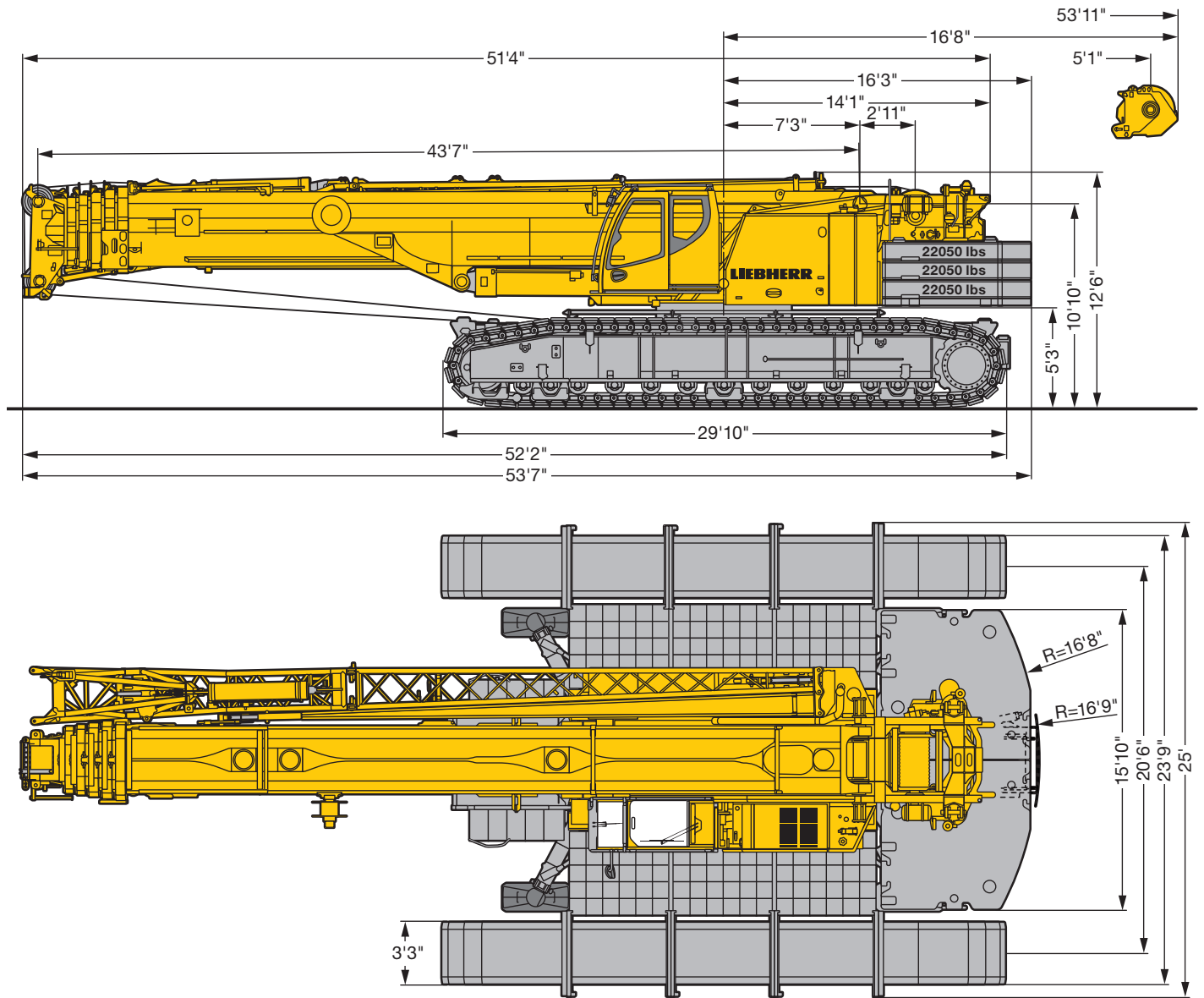
Tables des matières

Technical Data

Caractéristiques technique

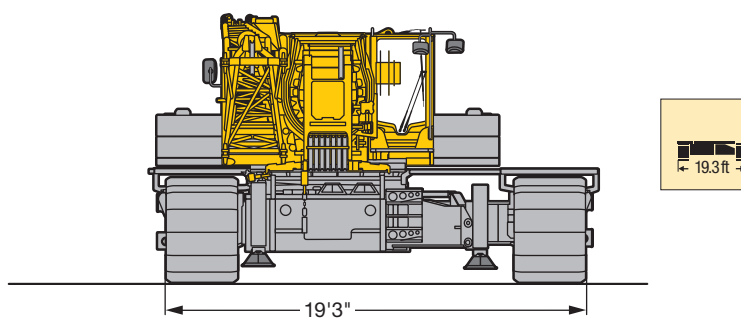
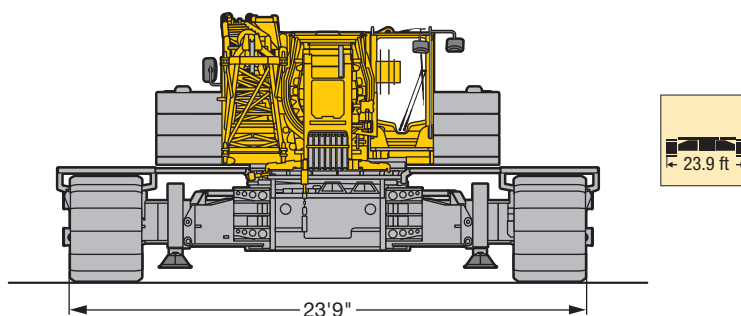
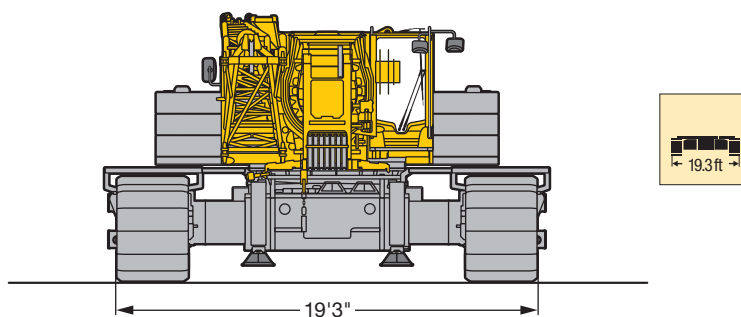
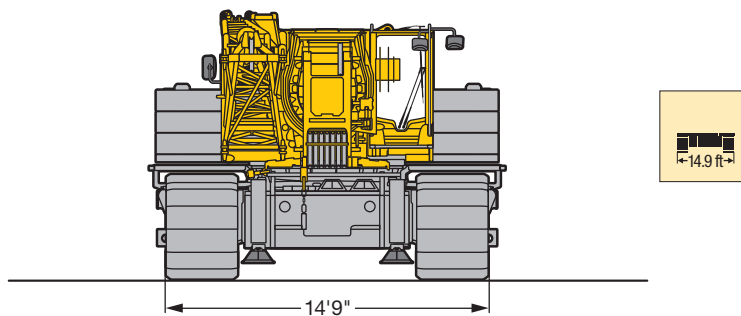
Dimensions · Encombrement	3 – 4
Crane data · Dates de la grue	5
Transportation plan · Plan de transport	6 – 13
Overview of load charts · Aperçu des tableaux de charge	14 – 15
T	16 – 19
TNZK	20 – 46
TVNZK	47 – 73
THK	74 – 77
Equipment · Equipement	78 – 79
Description of symbols · Explication des symboles	80
Remarks · Remarques	81

Dimensions Encombrement



US2786

Dimensions Encombrement



US2803.01

Crane data Dates de la grue

	Total driving force Puissance propulsive totale	254000 lbs
	Total weight with 154350 lbs counterweight, 44100 lbs central ballast, 3-sheave hook block and 3.28 ft track pads Poids total avec contrepoids de 154350 lbs, lest central de 44100 lbs, moufle à crochet à 3 poulies et des tuiles de 3.28 ft	~ 397900 lbs
	Average ground pressure without jack-up cylinders at ~397900 lbs total weight and with 3.28 ft track pads Pression au sol moyenne sans vérin Jack-up pour un poids total de ~397900 lbs et des tuiles de 3.28 ft	16.5 lbs / inch ²
	normal gear · marche normale rapid gear · marche rapide	0 – 0.37 mph 0 – 1.55 mph
	Max. permissible gradability Pente admissible maxi.	47 %



Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
332.9	9	16	4400
314.4	7	15	3300
237.4	5	11	2866
155.6	3	7	2292
68.7	1	3	1851
23.1	–	1	1102



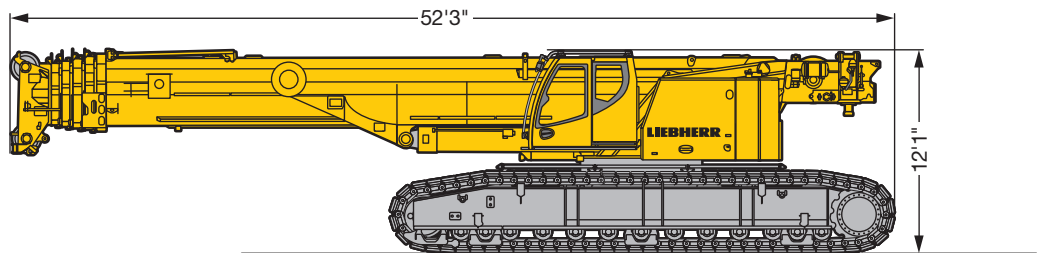
Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 426 ft/min single line ft/min au brin simple	0'9" / 920 ft	23605 lbs
	0 – 426 ft/min single line ft/min au brin simple	0'9" / 920 ft	23605 lbs
	0 – 1.8 rpm		
	approx. 50 seconds to reach 82° boom angle env. 50 s jusqu'à 82°		
	approx. 420 seconds for boom extension from 44 ft – 197 ft env. 420 s pour passer de 44 ft – 197 ft		

Transportation plan Plan de transport

Without slewing platform counterweight and without centre counterweight · Sans contrepoids de la partie tournante et sans contrepoids central

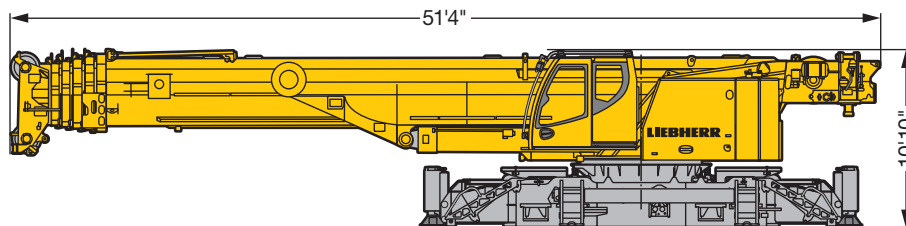
Basic machine, width 16'5", double grouser crawler carrier 3'3"
Machine de base, largeur 16'5", 2 nervures longerons 3'3"

203930 lbs



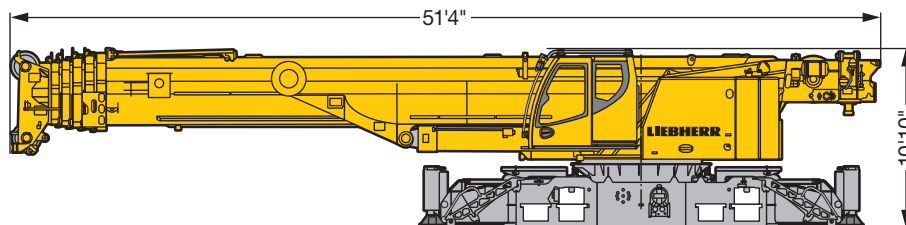
Basic machine, width 9'10", with jack-Up cylinder and traverse beam
Machine de base, largeur 9'10", avec verin Jack-Up, avec traverse

121900 lbs



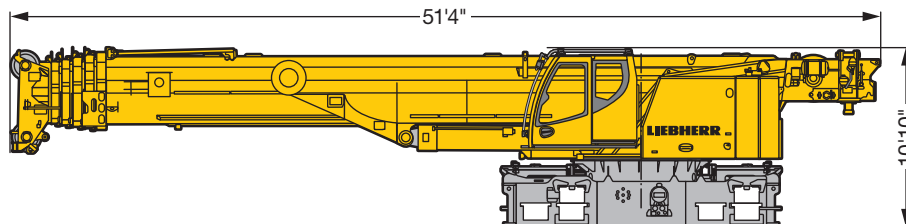
Basic machine, width 9'10", with jack-Up cylinder, **without** traverse beam
Machine de base, largeur 9'10" avec verin Jack-Up, **sans** traverse

105820 lbs



Basic machine, width 9'10", without jack-Up cylinder, **without** traverse beam
Machine de base, largeur 9'10" sans verin Jack-Up, **sans** traverse

99200 lbs



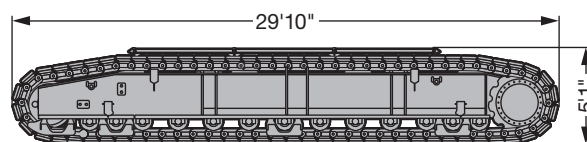
US2626.02

Transportation plan Plan de transport

Crawler carrier, 2 x, 2-bar crawler shoes, width 3'3"
Longerons, 2 x, tuiles 2 nervures, largeur 3'3"

39500 lbs (2x)

41000 lbs (2x)³⁾



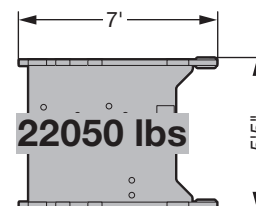
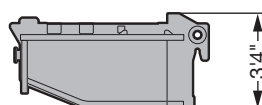
Winch 2 incl. rope
Treuil 2 avec câble

(1x)



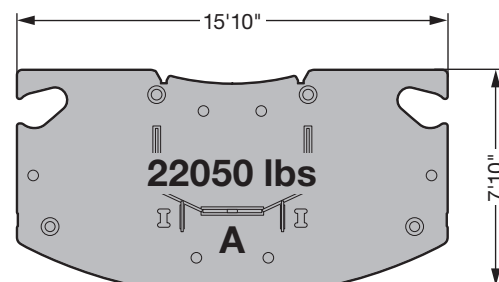
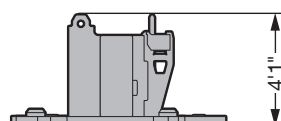
Center counterweight
Contrepoids de base

(2x)



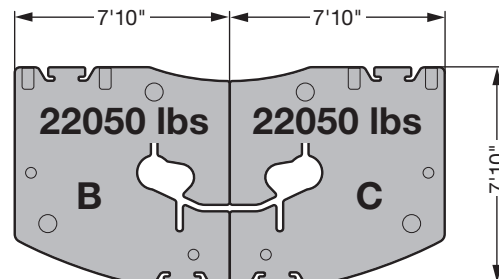
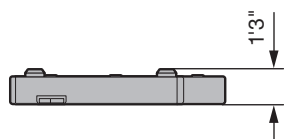
Part A / Partie A
Superstructure ballast
Contrepoids de la partie tournante

(1x)



Part B, C / Partie B, C
Superstructure ballast
Contrepoids de la partie tournante

(3x + 3x)



US2627

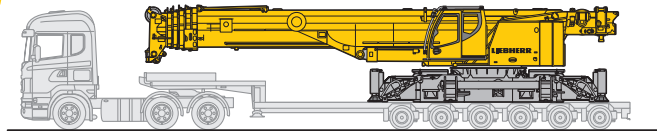
	Part A / Partie A à 22050 lbs	Part B / Partie B à 22050 lbs	Part C / Partie C à 22050 lbs
110250 lbs	1 x	2 x	2 x
154350 lbs*	1 x	3 x	3 x

* optional · en option

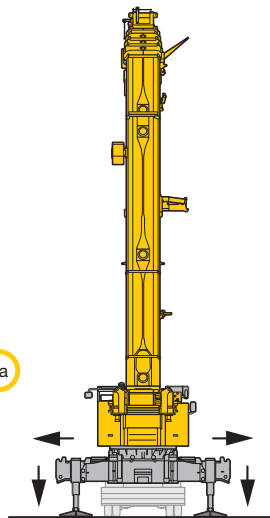
Transportation plan A Plan de transport A

~121250 lbs

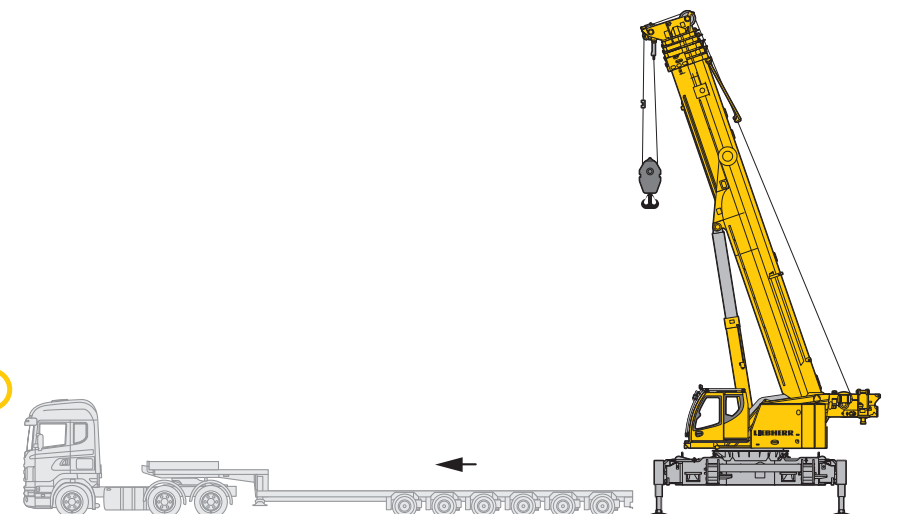
1a



2a

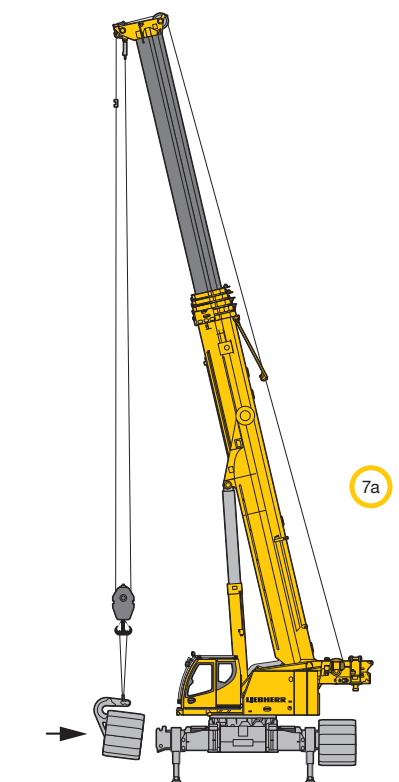
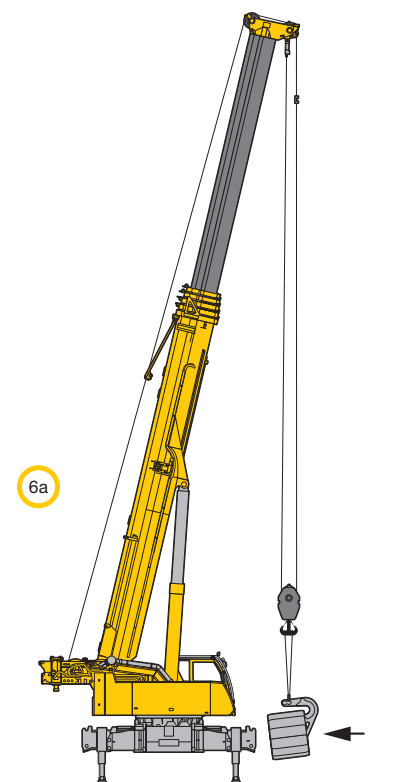
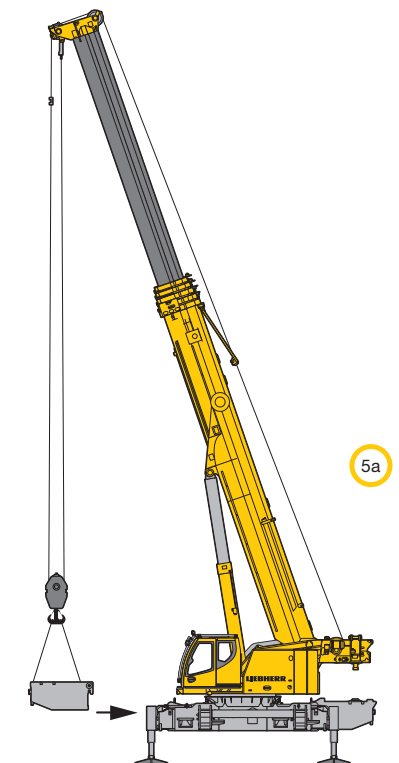
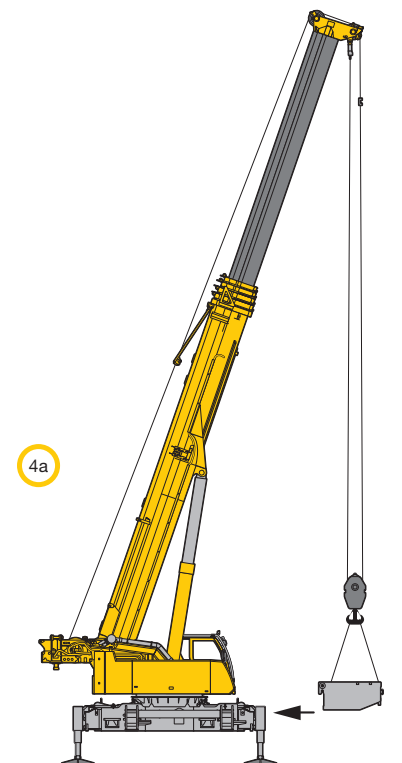


3a

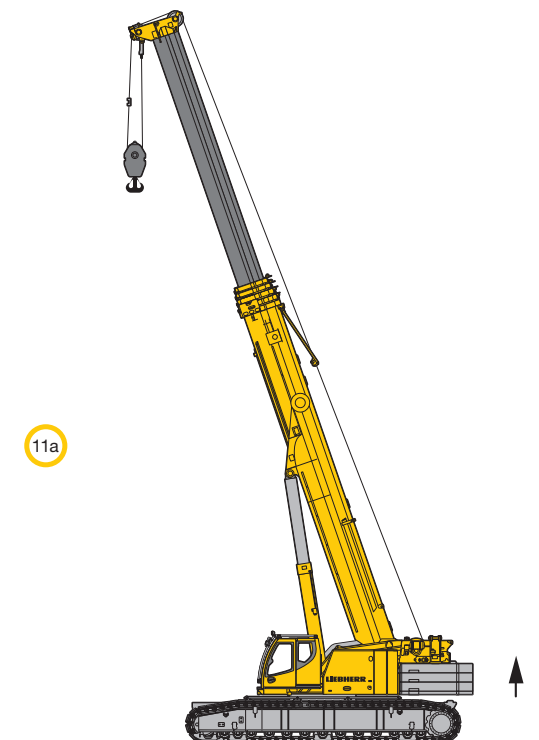
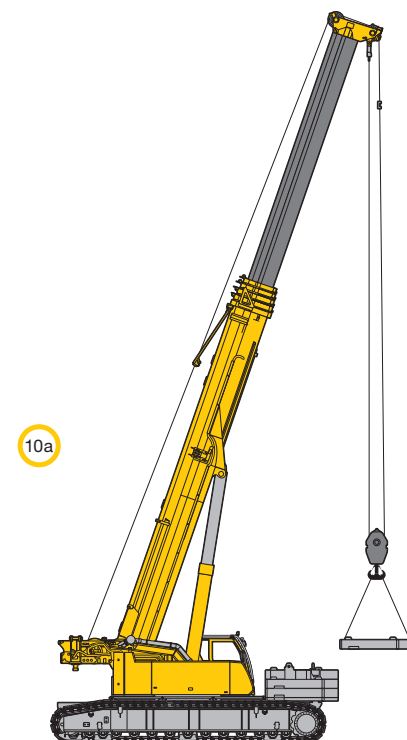
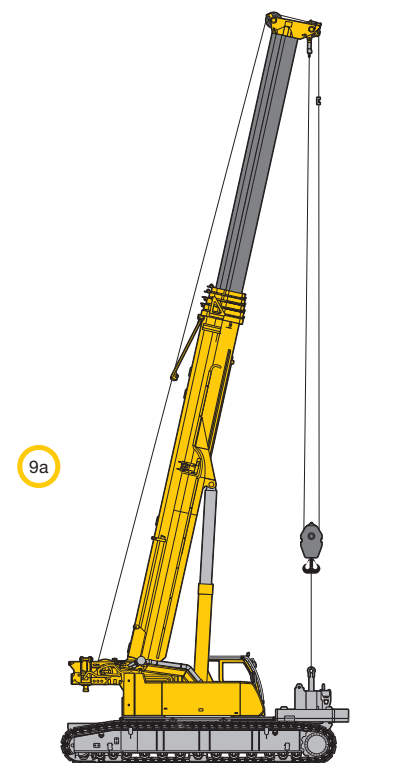
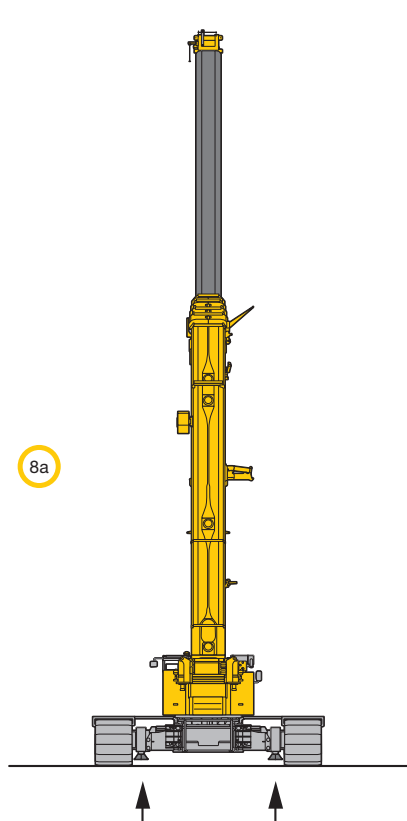


Transportation plan A

Plan de transport A



Transportation plan A Plan de transport A

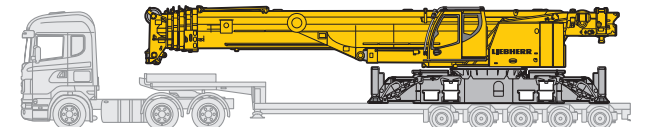


US2628.01

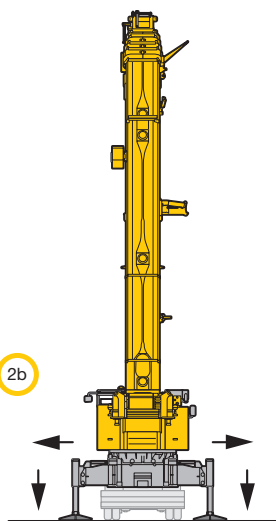
Transportation plan B Plan de transport B

~ 105800 lbs

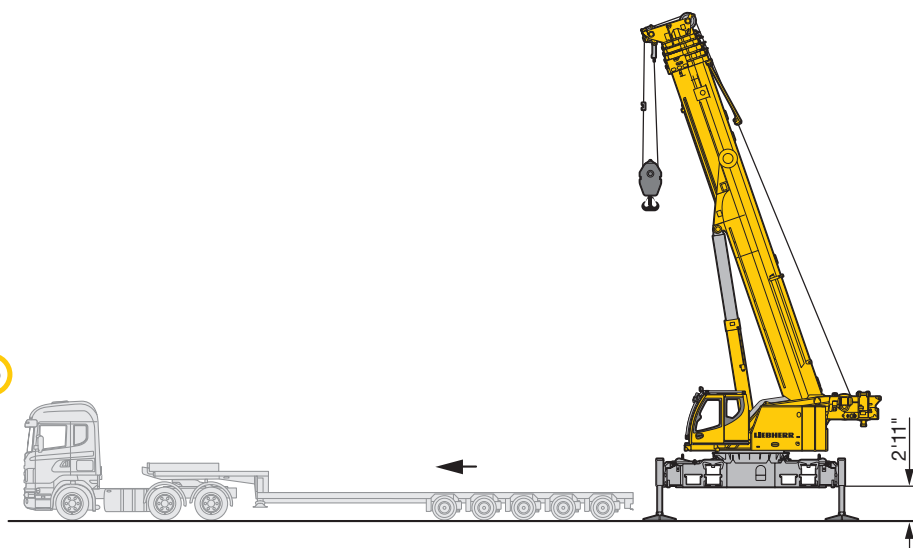
1b



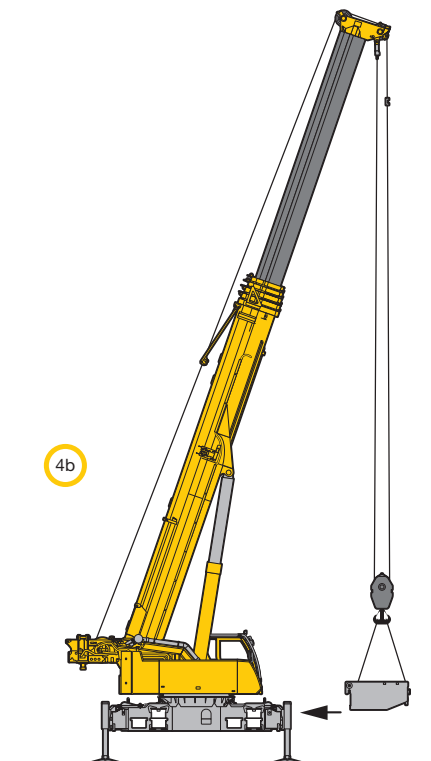
2b



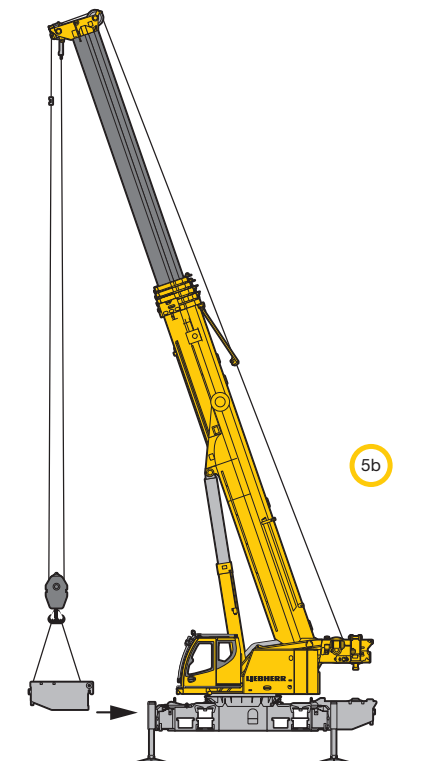
3b



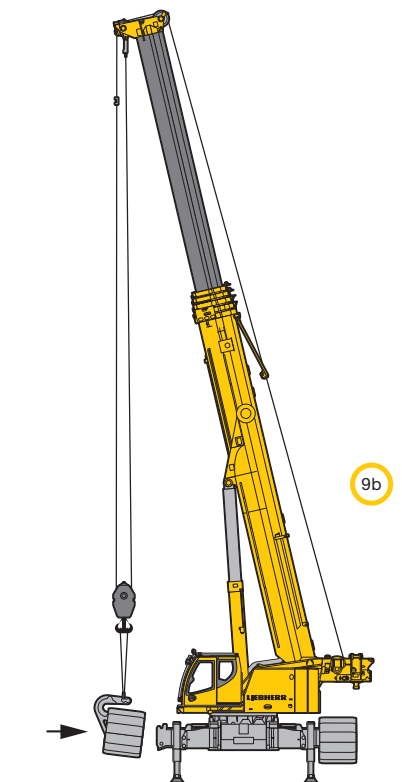
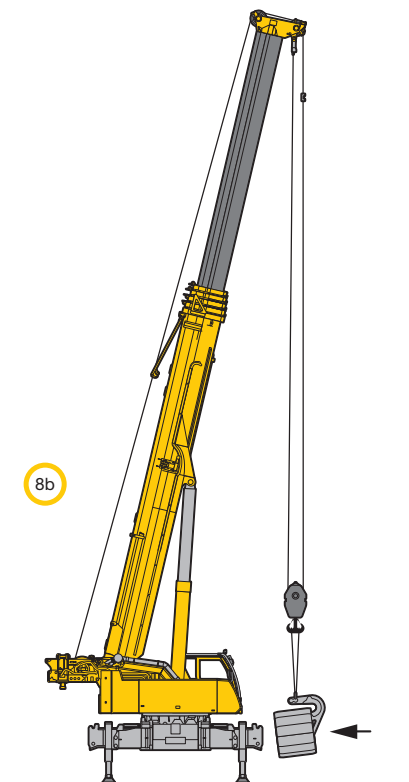
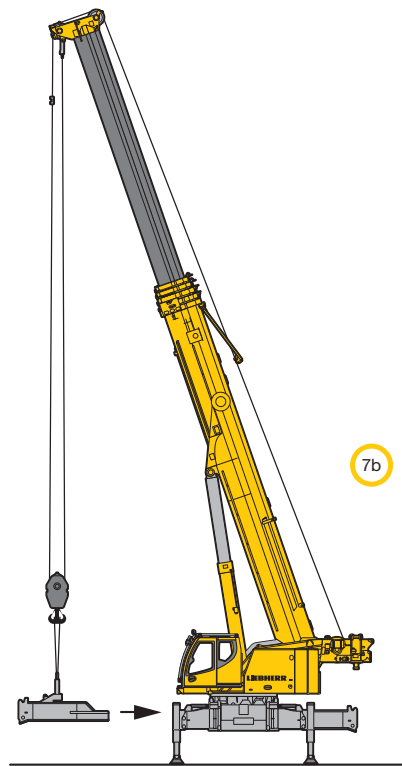
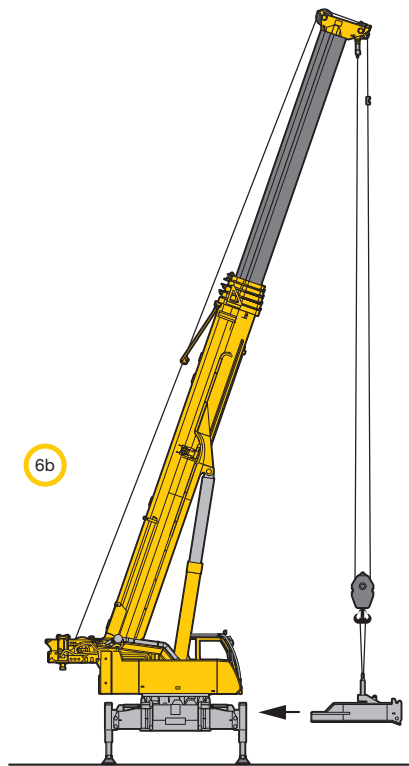
4b



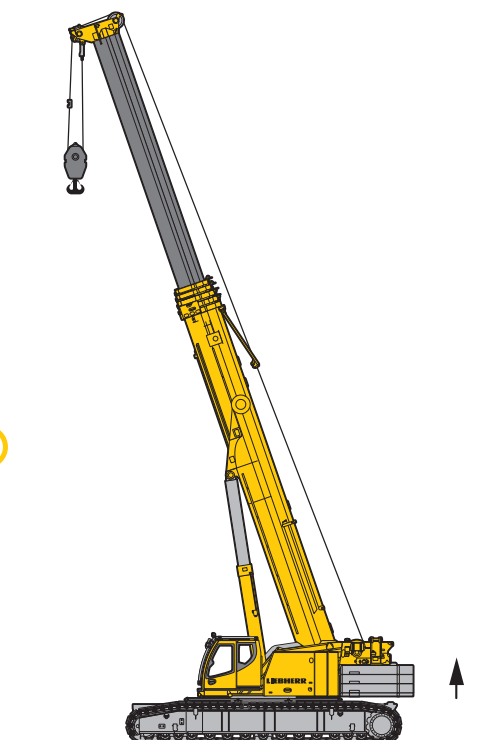
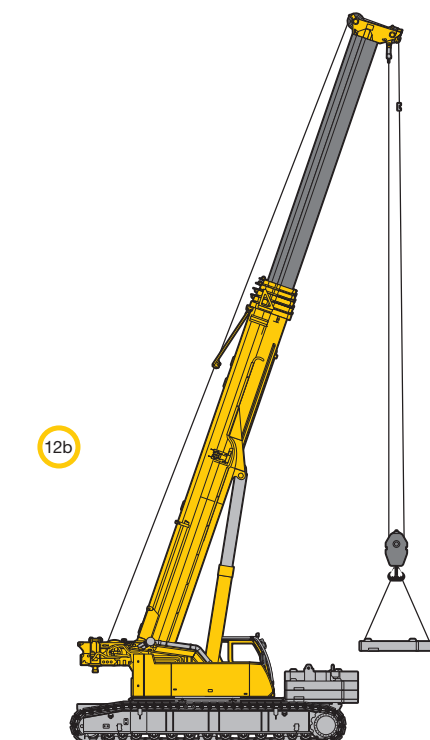
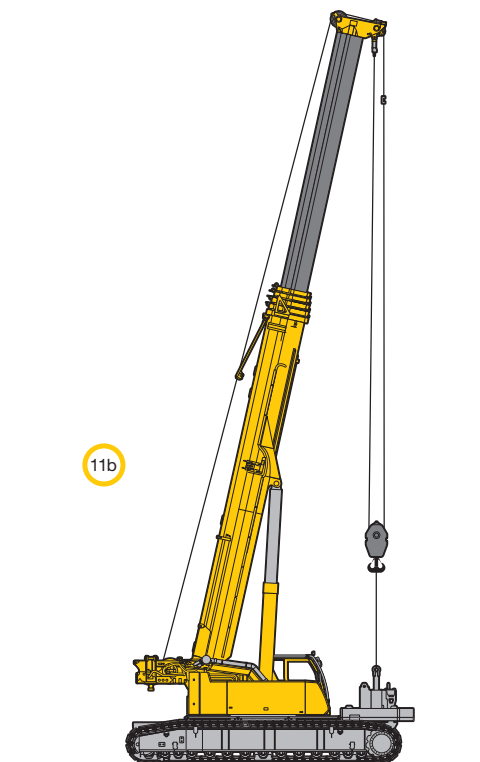
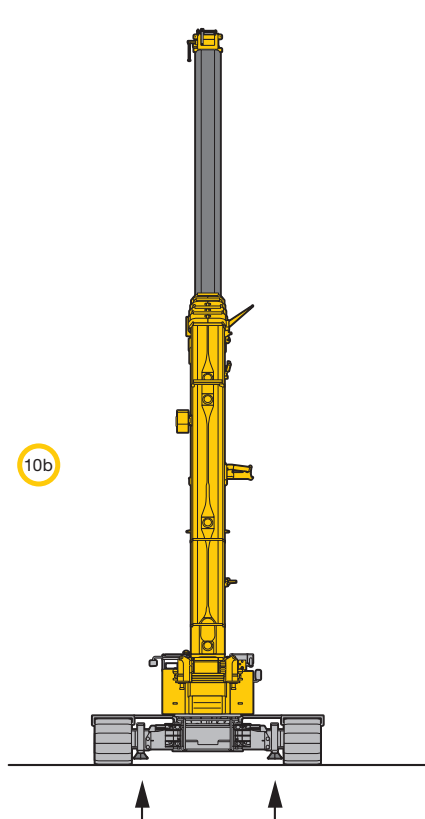
5b



Transportation plan B Plan de transport B



Transportation plan B Plan de transport B



US2762

Overview of load charts Aperçu des tableaux de charge

				
154350 lbs 110230 lbs 66100 lbs 22050 lbs 0 lbs	 	 	 	 
	 	 	 	 
 				
154350 lbs 110230 lbs 66100 lbs 22050 lbs 0 lbs	 		 	 
	 		 	 
 				
154350 lbs 110230 lbs 66100 lbs	 			—
	 		—	—
  				
154350 lbs 110230 lbs 66100 lbs	 			—
	 		—	—

ballast versions see operation manual · variantes de lestage, voir le manuel d'instructions

n.v. / n.h. = over front/rear · en avant/arrière

Overview of load charts Aperçu des tableaux de charge

			
110230 lbs 66100 lbs 22050 lbs 0 lbs	 		
 			

 			
110230 lbs 66100 lbs 22050 lbs 0 lbs	 		
 			

 			
154350 lbs 110230 lbs 66100 lbs	 	—	
 		—	

  				
154350 lbs 110230 lbs 66100 lbs	 	—		
 		—		

ballast versions see operation manual · variantes de lestage, voir le manuel d'instructions

Lifting capacities Forces de levage

T

44 – 197 ft  T  23.9 ft  360°  154350 lbs 110200 lbs 66100 lbs  44100 lbs 75%														
	44 ft		58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	
	*													
10	485	295.4	295.4	295.4										10
11	330	295.4	295.4	295.4										11
12	323	294.1	295.2	293.9	240.9									12
13	311.2	290.2	289.5	288.3	261.8									13
14	292.4	277.9	278.2	276.9	263.7									14
15	277.9	266.7	266.9	263.5	259									15
16	265.4	256.1	255.8	249.8	244.8	216.9								16
17	254.2	246.2	245.8	240.2	235.6	216.5								17
18	244.5	237	237.4	231.7	226.3	215								18
19	235.5	228.2	229.4	223.2	217.7	212.1	176							19
20	226.9	219.7	221.2	215.2	210	205.8	175.4							20
22	211.2	204.3	206	201.3	195.8	191.7	174	117.7						22
24	196.8	190.7	192.5	188.7	183.5	179.3	171.7	124.8						24
26	183.3	178.6	180.4	177.6	172.6	168.4	167.1	120.8	99.5					26
28	170.3	167.7	169.5	167.6	163.1	160.6	158.2	116.4	98.7					28
30	157.3	157	159.2	158.7	154.4	153	149.6	111.9	96.2	81				30
32	143.3	143.3	150.1	150.5	146.4	145.4	141.8	107.6	93.4	79.6				32
34	126.7	126.7	141.5	142	139.1	138.1	134.8	103.4	90.4	77.9	64.6			34
36	99.3	99.3	133.3	133.9	132.7	131.8	128.5	99.2	87.4	75.9	63.8			36
38			125.9	126.5	125.8	125.9	122.8	95.1	84.9	73.9	62.5			38
40			118.8	119.5	118.9	120.4	117.3	91.2	82.6	71.9	61.2	52.1		40
45			101.7	104.2	103.5	105.5	104.2	82.7	76.8	67.1	57.7	49.8	41.8	45
50			68.8	90.8	93.3	92.3	90.8	75.1	70.9	62.8	54.3	47.1	40	50
55				82.2	82.3	81.3	80	68.7	65.5	58.8	51.1	44.6	38	55
60				72.1	73.4	72.4	71	63.4	60.6	54.9	48.2	42.2	36.1	60
65					65.9	64.9	63.5	59.7	56.1	51.3	45.6	39.9	34.3	65
70					59.7	58.6	57.2	56.6	52.2	48	43.1	37.9	32.6	70
75					52	53.2	51.7	53.5	48.5	45.1	40.9	36	31	75
80						48.5	47.2	48.8	45.3	42.4	38.8	34.2	29.5	80
85						44.4	45	44.6	42.2	39.9	36.9	32.5	28	85
90						39.4	42.4	40.9	39.2	37.9	35.1	30.9	26.7	90
95							39.2	37.6	36	35.9	33.3	29.5	25.4	95
100							36.3	34.7	33.9	33.8	31.6	28.1	24.3	100
105							28.2	32.1	31.8	31.3	29.9	26.8	23.2	105
110								29.7	30.4	28.9	28.3	25.7	22.2	110
115								27.5	28.3	26.7	26.7	24.5	21.2	115
120								20.5	26.3	25.4	25	23.5	20.3	120
125									24.5	23.8	23.2	22.5	19.4	125
130									22.4	22.7	21.5	21.1	18.6	130
135									12.6	21.4	19.9	19.6	17.8	135
140										19.9	18.9	18.1	17.1	140
145										17.1	18	16.8	16.5	145
150											16.8	15.5	15.7	150
155											15.7	14.4	14.6	155
160											12.2	13.3	13.5	160
165												12.3	12.5	165
170												11.4	11.5	170
175												7.7	10.6	175
180													9.8	180
185													8.1	185

* 0° = over rear/front - en arrière/avant

t_242_00090_00_001 / 00100_00_001 / 00101_00_001 / 00102_00_001

Lifting capacities Forces de levage

T

44 – 197 ft 19.3 ft 360° 154350 lbs 110200 lbs 66100 lbs 44100 lbs 75%													
ft	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	295.4	295.4	295.4										10
11	295.4	295.4	295.4										11
12	294.1	295.2	293.9	240.9									12
13	290.2	289.5	288.3	261.8									13
14	277.9	278.2	276.9	263.7									14
15	266.7	266.9	263.5	259									15
16	256.1	255.8	249.8	244.8	216.9								16
17	246.2	245.8	240.2	235.6	216.5								17
18	237	237.4	231.7	226.3	213.6								18
19	228.2	229.4	223.2	217.7	207.7	176							19
20	219.7	221.2	215.2	210	200.8	175.4							20
22	204.3	206	201.3	195.8	187	169.7	117.7						22
24	190.7	192.5	188.7	183.5	175.5	160.4	124.8						24
26	178.6	180.4	177.6	172.6	168.2	151.3	120.8	99.5					26
28	167.7	169.5	167.6	162.5	158.7	143	116.4	98.7					28
30	156.8	159.1	158.7	151.4	147	135.6	111.9	96.2	81				30
32	142.5	145.4	146.1	140.2	137	128.8	107.6	93.4	79.6				32
34	126.7	132.6	133.6	130.4	127.6	120.8	103.4	90.4	77.9	64.6			34
36	99.3	121.8	122.7	123.7	119.8	113.3	99.2	87.4	75.9	63.8			36
38		112.4	113.3	116	112.5	106.7	95.1	84.9	73.9	62.5			38
40		105.5	107	107.6	106	100.5	91.2	82.6	71.9	61.2	52.1		40
45		88.9	90.6	90.9	90.1	87.6	82.6	76.8	67.1	57.7	49.8	41.8	45
50		68.8	78	78.2	77.4	76	73.1	70.9	62.8	54.3	47.1	40	50
55			68.1	68.2	67.3	66.2	66.8	64.9	58.8	51.1	44.6	38	55
60			60.2	60.3	59.4	59.3	59.9	58.1	54.9	48.2	42.2	36.1	60
65				53.7	52.8	54.6	53.3	51.9	51	45.6	39.9	34.3	65
70				48.3	47.9	49.1	47.8	47.1	46.5	43.1	37.9	32.6	70
75				43.7	45.1	44.3	43	42.9	42.4	40.9	36	31	75
80					41.2	40.3	39.1	39.8	38.4	38.1	34.2	29.5	80
85					37.8	36.8	35.9	36.3	35.6	34.8	32.5	28	85
90					34.8	33.8	33.9	33.2	32.7	32.2	30.9	26.7	90
95						31.1	31.7	30.4	30.4	29.4	29.1	25.4	95
100						28.8	29.3	28.2	28.2	27.4	26.7	24.3	100
105						26.7	27.2	26.2	26	25.6	24.5	23.2	105
110							25.2	24.7	24.1	23.6	22.5	22.2	110
115							23.5	23.3	22.3	21.8	20.6	20.8	115
120							20.5	21.7	20.7	20.1	18.9	19.1	120
125								20.3	19.4	18.6	17.3	17.6	125
130								19	18	17.1	15.9	16.1	130
135								12.6	16.7	15.8	14.6	14.8	135
140									15.5	14.6	13.4	13.6	140
145									14.4	13.5	12.3	12.5	145
150										12.5	11.2	11.4	150
155										11.5	10.2	10.4	155
160										10.7	9.4	9.5	160
165											8.5	8.7	165
170											7.8	7.9	170
175											7.1	7.1	175
180												6.4	180
185												5.8	185

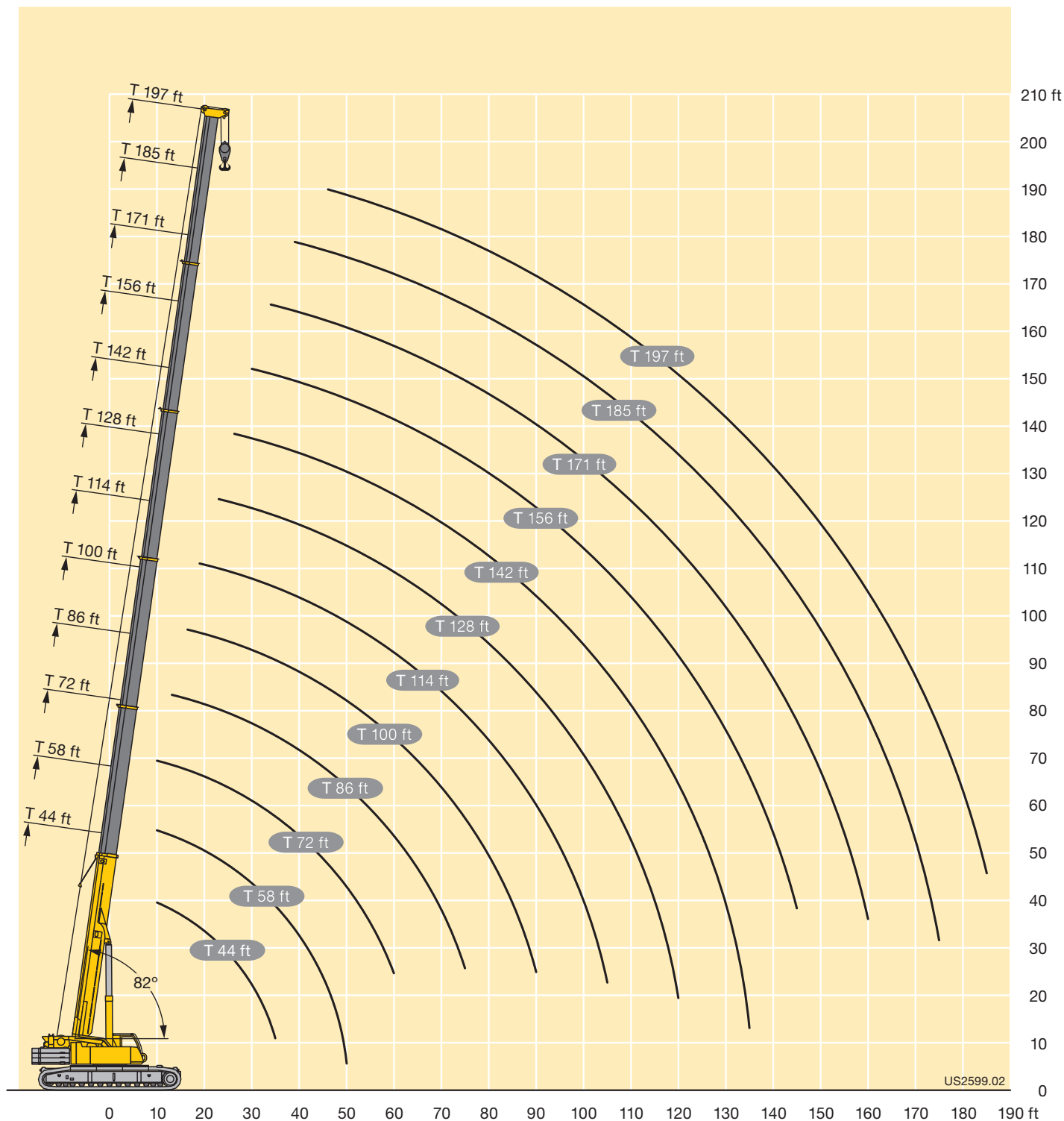
t_242_00110_00_001 / 00111_00_001 / 00112_00_001

Lifting capacities Forces de levage

T

44 – 197 ft 75%														ft	
10	294	237.9	189.2											10	10
11	265.4	224	179.5											11	11
12	237.6	209.6	170.6	135.9										12	12
13	213.3	193.7	162.4	136.6										13	13
14	193.9	179.2	155.1	132.1										14	14
15	177.5	165.2	148.3	127.3										15	15
16	196.7	182.9	141.4	122.6	106									16	16
17	196.4	179.1	164.6	136.6	102.7									17	17
18	190.4	174.3	161.3	131.6	99.5									18	18
19	178.8	165.6	152.7	130.5	96.4	85.3								19	19
20	167.8	159.4	144	126.1	107.9	82.9								20	20
22	145.8	142.7	133	122.4	101.3	91.7	69.4							22	22
24	127.2	128.8	123.2	112.5	99.5	86.7	66.5							24	24
26	112.5	116.4	112.4	106.6	99.7	87.5	76.1	56.8						26	26
28	100.5	104.5	103.1	98.4	94.5	84.8	76.6	68						28	28
30	116.2	94.3	95.2	105.4	89.3	82.6	74.5	67.1	60.4					30	30
32	105.8	105.2	103.6	97.4	83.3	78.5	73.1	65.7	59.1					32	32
34	96.9	99.3	97.6	93.5	77.7	73.5	70.2	64.3	58.4	52.9				34	34
36	89.1	91.5	89.8	87.4	82.4	68.9	67.3	61.8	56.3	51				36	36
38		85.9	85.5	81.4	80.8	64.9	63.6	59.6	54.3	49.2				38	38
40		79.9	79.5	78.9	75.9	71.7	60	57.5	52.4	47.5	42.7			40	40
45		67.6	69.2	69.4	68.6	66.8	63.4	59.8	48.1	43.6	39.1	37.1		45	45
50		58.2	59.6	59.8	61.7	59.6	58.7	55.7	52.7	40	36	34.2		50	50
55			52.5	52.2	54	53.2	52.2	51.2	49.2	47.2	32.9	31.6		55	55
60			46.4	47.7	47.8	46.9	47.7	46.5	45	42.8	40.8	36.1		60	60
65				42.7	42.6	41.8	42.6	41.7	40.7	39.1	36.8	34.3		65	65
70				38.4	38.3	38.7	38.2	37.9	36.9	35.5	33.2	32.6		70	70
75				34.8	34.6	35.1	34.5	34.4	33.8	32.3	30.1	29.8		75	75
80					31.6	31.9	31.3	31.2	30.6	29.4	27.3	27.1		80	80
85					29	29.1	28.8	28.4	27.8	26.9	24.8	24.6		85	85
90					26.6	26.7	26.3	25.9	25.3	24.5	22.6	22.4		90	90
95						24.6	24.2	23.7	23.1	22.3	20.6	20.4		95	95
100						22.7	22.2	21.8	21.1	20.3	18.8	18.6		100	100
105						21	20.5	20	19.3	18.4	17.1	17		105	105
110							18.9	18.4	17.6	16.7	15.5	15.5		110	110
115							17.4	16.9	16.1	15.2	14	14.2		115	115
120							16.1	15.5	14.7	13.8	12.6	12.8		120	120
125								14.3	13.4	12.5	11.3	11.6		125	125
130								13.2	12.3	11.4	10.2	10.4		130	130
135								12.2	11.2	10.3	9.1	9.3		135	135
140									10.2	9.3	8.1	8.3		140	140
145									9.4	8.4	7.2	7.4		145	145
150										7.6	6.4	6.5		150	150
155										6.8	5.6	5.7		155	155
160										6.2	4.9	5		160	160
165											4.2	4.3		165	165
170											3.6	3.7		170	170
175											3	3.1		175	175
180												2.5		180	180

t_242_00120_00_001 / 00121_00_001 / 00122_00_001



Lifting capacities Forces de levage

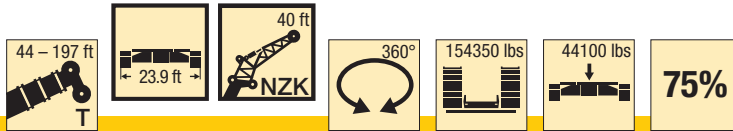
TNZK

44 – 197 ft T 23.9 ft  40 ft NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			 ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	46.1																		10
11	46.1			46.1															11
12	46.1			46.1															12
13	46.1			46.1			46.1												13
14	46.1			46.1			46.1												14
15	46.1			46.1			46.1												15
16	46.1			46.1			46.1			46.1									16
17	46.1			46.1			46.1			46.1									17
18	46.1			46.1			46.1			46.1									18
19	46.1			46.1			46.1			46.1			46.1						19
20	46.1			46.1			46.1			46.1			46.1						20
22	46.1			46.1			46.1			46.1			46.1						22
24	46.1	36.8		46.1			46.1			46.1			46.1			46.1			24
26	46.1	35		46.1	36.6		46.1			46.1			46.1			46.1			26
28	46.1	33.3		46.1	35.1		46.1			46.1			46.1			46.1			28
30	45.7	31.8		46.1	33.7		46.1	34.5		46.1			46.1			46.1			30
32	44.4	30.5		46.1	32.4		46.1	33.3		46.1			46.1			46.1			32
34	42.9	29.3	23.2	46.1	31.2		46.1	32.2		46.1	33.2		46			45.8			34
36	41.4	28.2	23.2	45.9	30.1	23.2	46	31.2		46.1	32.2		45.3	32.6		45.3			36
38	39.5	27.2	23.1	44.7	29.1	23.2	45.8	30.2		45.6	31.3		44.5	31.7		44.5			38
40	37.3	26.2	22.7	43	28.2	23.2	44.5	29.3	23.2	45.1	30.4		43.2	30.9		43.5	31.5		40
45	32.5	24.1	21.5	38.5	26	22.3	40.7	27.3	22.7	43.2	28.4		39.6	29		40.3	29.7		45
50	28.7	22.3	20.5	34.3	24.3	21.3	37.2	25.6	21.8	39.9	26.7	22.3	36.3	27.4	22.6	37.4	28.1		50
55	25.6	20.8	19.8	30.8	22.7	20.5	33.9	24.1	21.1	36.9	25.3	21.6	33.5	26	21.8	34.8	26.6	22.1	55
60	23.2	19.5	19.2	27.8	21.4	19.9	31.2	22.8	20.4	34.2	23.9	20.9	31	24.7	21.2	32.4	25.4	21.5	60
65	21	18.5	19	25.3	20.2	19.4	28.8	21.6	19.9	31.8	22.8	20.4	28.9	23.5	20.7	30.3	24.3	21	65
70	19.2	17.6	10.4	23.3	19.2	19.1	26.6	20.6	19.5	29.5	21.8	19.9	26.8	22.5	20.2	28.5	23.3	20.5	70
75	17.6	17.4		21.4	18.4	19	24.7	19.7	19.1	27.5	20.9	19.5	25.1	21.7	19.8	26.8	22.4	20.1	75
80				19.8	17.7		22.9	18.9	19	25.7	20.1	19.2	23.4	20.8	19.5	25.2	21.6	19.8	80
85				18.5	17.3		21.4	18.3	18.9	24.2	19.3	19.1	22	20.1	19.3	23.8	20.9	19.5	85
90				17.3			20.1	17.7	18.9	22.7	18.7	19	20.6	19.4	19	22.4	20.2	19.3	90
95							18.9	17.4		21.4	18.2	19	19.4	18.8	18.7	21.2	19.7	19.1	95
100							17.9	17.3		20.2	17.7	19	18.3	18	18.1	20.1	19	18.9	100
105										19.2	17.4	19	17.3	17.1	17.3	19.1	18.4	18.3	105
110										18.3	17.3		16.3	16.2	16.5	18.1	17.7	17.6	110
115										17.5			15.5	15.4	15.7	17.3	16.9	17	115
120													14.7	14.7		16.5	16.2	16.4	120
125													14.1	14.1		15.7	15.6	15.8	125
130													13.5			15.1	15	15.2	130
135																14.5	14.4		135
140																14			140
145																13.5			145

t_242_01000_00_000

Lifting capacities Forces de levage

TNZK

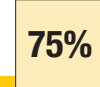


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
30	42.6			45.3															30
32	42.4			45.1															32
34	42.2			44.9															34
36	41.9			44.6			40.4												36
38	41.7			44.3			40.2												38
40	41.2			44			40			34.7									40
45	38.8			43			39.3			34.3									45
50	36	28.3		41.8	30.5		38.6			33.9			28.5						50
55	33.6	27	22.2	40.6	29		37.8	29.3		33.5			28			24			55
60	31.4	25.7	21.7	39.4	27.6	22.3	37	27.9	22.6	32.9	27.6		27.6			23.6			60
65	29.3	24.7	21.1	37.8	26.4	21.8	36.1	26.8	22	32.1	26.5		27.3			23.2	22.2		65
70	27.4	23.7	20.7	36	25.3	21.3	34.9	25.7	21.5	31	25.5	21.5	26.8	24.8		22.9	22		70
75	25.7	22.9	20.3	34.1	24.4	20.9	33.6	24.8	21.1	29.7	24.5	21	25.8	24	20.9	22.5	21.6		75
80	24.2	22.1	19.9	32.2	23.5	20.5	32.1	23.9	20.7	28.2	23.7	20.6	24.8	23.2	20.6	21.6	20.7	19.7	80
85	22.7	21.3	19.7	30.4	22.8	20.2	30.5	23.1	20.4	26.9	23	20.3	23.7	22.5	20.2	20.6	20	19	85
90	21.4	20.5	19.4	28.8	22	19.9	29	22.4	20.1	25.7	22.3	20.1	22.7	21.7	20	19.7	19.2	18.3	90
95	20.2	19.7	19.1	27.2	21.4	19.6	27.6	21.8	19.8	24.5	21.7	19.8	21.7	20.9	19.7	18.9	18.5	17.7	95
100	19.1	18.8	18.8	25.8	20.8	19.4	26.4	21.2	19.6	23.3	21.2	19.6	20.8	20.2	19.3	18.1	17.8	17.1	100
105	18.1	17.8	17.9	24.5	20.2	19.2	25.1	20.6	19.4	22.3	20.6	19.4	19.9	19.4	18.7	17.2	17.1	16.5	105
110	17.1	16.9	17.1	23.2	19.7	19.1	23.9	20.1	19.2	21.3	20.1	19.3	19	18.7	18.1	16.5	16.4	16	110
115	16.2	16.1	16.3	22.1	19.3	19	22.9	19.7	19.1	20.3	19.5	19	18.2	18	17.5	15.7	15.8	15.5	115
120	15.4	15.3	15.5	21	18.8	18.9	21.8	19.2	19	19.4	18.9	18.6	17.5	17.3	16.9	15	15.1	14.9	120
125	14.6	14.6	14.8	20	18.5	18.9	20.8	18.8	19	18.6	18.3	18.1	16.7	16.6	16.4	14.4	14.4	14.4	125
130	13.9	13.9	14.1	19.1	18.1	18.8	19.8	18.5	18.9	17.8	17.7	17.6	16	15.9	15.8	13.7	13.8	13.8	130
135	13.2	13.3	13.5	18.2	17.8	18.3	18.3	18.2	18.6	17	17	16.9	15.4	15.3	15.2	13.1	13.2	13.3	135
140	12.5	12.6	12.9	17.4	17.4	17.6	16.8	17.7	18.2	16.3	16.3	16.3	14.7	14.7	14.7	12.5	12.6	12.7	140
145	12	12.1		16.6	16.7	16.9	15.5	16.5	17.3	15.6	15.6	15.7	14.1	14.1	14.1	11.9	12.1	12.2	145
150	11.4	11.5		15.7	16	16.2	14.3	15.2	15.8	14.5	15	15.1	13.6	13.5	13.6	11.4	11.5	11.7	150
155	11			14.6	15.2	15.4	13.6	14	14.5	13.4	14.2	14.5	13	13	13.1	10.9	11	11.2	155
160	9.9			13.5	14		13	13.1	13.3	12.3	13.2	13.7	12.5	12.5	12.6	10.4	10.5	10.7	160
165				12.6	12.9		12.4	12.6	12.7	11.4	12.1	12.6	11.8	12.1	12.1	10	10.1	10.3	165
170				10.9	11.6		11.7	12	12.2	10.9	11.1	11.5	10.9	11.5	11.7	9.5	9.7	9.8	170
175				5.4			10.9	11.3		10.5	10.6	10.7	10	10.7	11.2	9.2	9.3	9.4	175
180							10	9.3		10	10.2	10.3	9.3	9.8	10.3	8.8	8.9	9.1	180
185							8.5	9		9.7	9.8		8.6	9.1	9.4	8.4	8.6	8.7	185
190										9.1	9.4		8	8.4	8.7	7.8	8.2	8.4	190
195										8.3			7.4	7.8	8	7.2	7.7	8	195
200										5.4			6.9	7.2	7.3	6.6	7.1	7.3	200
205													6.4	6.6	6.6	6.1	6.5	6.7	205
210													5.3	6		5.6	6	6	210
215													2.2			5.1	5.4		215
220																4.6			220
225																2.5			225

t_242_01000_00_000

Lifting capacities Forces de levage

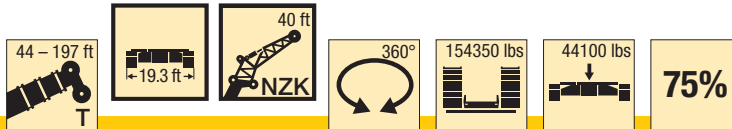
TNZK

44 – 197 ft  T 19.3 ft  40 ft  360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			 ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	46.1																		10
11	46.1			46.1															11
12	46.1			46.1															12
13	46.1			46.1			46.1												13
14	46.1			46.1			46.1												14
15	46.1			46.1			46.1												15
16	46.1			46.1			46.1			46.1									16
17	46.1			46.1			46.1			46.1									17
18	46.1			46.1			46.1			46.1									18
19	46.1			46.1			46.1			46.1			46.1						19
20	46.1			46.1			46.1			46.1			46.1						20
22	46.1			46.1			46.1			46.1			46.1						22
24	46.1	36.8		46.1			46.1			46.1			46.1			46.1			24
26	46.1	35		46.1	36.6		46.1			46.1			46.1			46.1			26
28	46.1	33.3		46.1	35.1		46.1			46.1			46.1			46.1			28
30	45.7	31.8		46.1	33.7		46.1	34.5		46.1			46.1			46.1			30
32	44.4	30.5		46.1	32.4		46.1	33.3		46.1			46.1			46.1			32
34	42.9	29.3	23.2	46.1	31.2		46.1	32.2		46.1	33.2		46			45.8			34
36	41.4	28.2	23.2	45.9	30.1	23.2	46	31.2		46.1	32.2		45.3	32.6		45.3			36
38	39.5	27.2	23.1	44.7	29.1	23.2	45.8	30.2		45.6	31.3		44.5	31.7		44.5			38
40	37.3	26.2	22.7	43	28.2	23.2	44.5	29.3	23.2	45.1	30.4		43.2	30.9		43.5	31.5		40
45	32.5	24.1	21.5	38.5	26	22.3	40.7	27.3	22.7	43.2	28.4		39.6	29		40.3	29.7		45
50	28.7	22.3	20.5	34.3	24.3	21.3	37.2	25.6	21.8	39.9	26.7	22.3	36.3	27.4	22.6	37.4	28.1		50
55	25.6	20.8	19.8	30.8	22.7	20.5	33.9	24.1	21.1	36.9	25.3	21.6	33.5	26	21.8	34.8	26.6	22.1	55
60	23.2	19.5	19.2	27.8	21.4	19.9	31.2	22.8	20.4	34.2	23.9	20.9	31	24.7	21.2	32.4	25.4	21.5	60
65	21	18.5	19	25.3	20.2	19.4	28.8	21.6	19.9	31.8	22.8	20.4	28.9	23.5	20.7	30.3	24.3	21	65
70	19.2	17.6	10.4	23.3	19.2	19.1	26.6	20.6	19.5	29.5	21.8	19.9	26.8	22.5	20.2	28.5	23.3	20.5	70
75	17.6	17.4		21.4	18.4	19	24.7	19.7	19.1	27.5	20.9	19.5	25.1	21.7	19.8	26.8	22.4	20.1	75
80				19.8	17.7		22.9	18.9	19	25.7	20.1	19.2	23.4	20.8	19.5	25.2	21.6	19.8	80
85				18.5	17.3		21.4	18.3	18.9	24.2	19.3	19.1	22	20.1	19.3	23.8	20.9	19.5	85
90				17.3			20.1	17.7	18.9	22.7	18.7	19	20.6	19.4	19	22.4	20.2	19.3	90
95							18.9	17.4		21.4	18.2	19	19.4	18.8	18.7	21.2	19.7	19.1	95
100							17.9	17.3		20.2	17.7	19	18.3	18	18.1	20.1	19	18.9	100
105										19.2	17.4	19	17.3	17.1	17.3	19.1	18.4	18.3	105
110										18.3	17.3		16.3	16.2	16.5	18.1	17.7	17.6	110
115										17.5			15.5	15.4	15.7	17.3	16.9	17	115
120													14.7	14.7		16.5	16.2	16.4	120
125													14.1	14.1		15.7	15.6	15.8	125
130													13.5			15.1	15	15.2	130
135																14.5	14.4		135
140																14			140
145																13.5			145

t_242_01010_00_000

Lifting capacities Forces de levage

TNZK

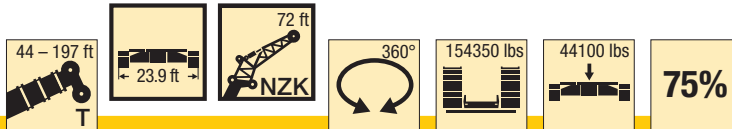


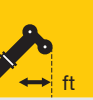
	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
30	42.6			45.3															30
32	42.4			45.1															32
34	42.2			44.9															34
36	41.9			44.6			40.4												36
38	41.7			44.3			40.2												38
40	41.2			44			40			34.7									40
45	38.8			43			39.3			34.3									45
50	36	28.3		41.8	30.5		38.6			33.9			28.5						50
55	33.6	27	22.2	40.6	29		37.8	29.3		33.5			28			24			55
60	31.4	25.7	21.7	39.4	27.6	22.3	37	27.9	22.6	32.9	27.6		27.6			23.6			60
65	29.3	24.7	21.1	37.8	26.4	21.8	36.1	26.8	22	32.1	26.5		27.3			23.2	22.2		65
70	27.4	23.7	20.7	36	25.3	21.3	34.9	25.7	21.5	31	25.5	21.5	26.8	24.8		22.9	22		70
75	25.7	22.9	20.3	34.1	24.4	20.9	33.6	24.8	21.1	29.7	24.5	21	25.8	24	20.9	22.5	21.6		75
80	24.2	22.1	19.9	32.2	23.5	20.5	32.1	23.9	20.7	28.2	23.7	20.6	24.8	23.2	20.6	21.6	20.7	19.7	80
85	22.7	21.3	19.7	30.4	22.8	20.2	30.5	23.1	20.4	26.9	23	20.3	23.7	22.5	20.2	20.6	20	19	85
90	21.4	20.5	19.4	28.8	22	19.9	29	22.4	20.1	25.7	22.3	20.1	22.7	21.7	20	19.7	19.2	18.3	90
95	20.2	19.7	19.1	27.2	21.4	19.6	27.3	21.8	19.8	24.5	21.7	19.8	21.7	20.9	19.7	18.9	18.5	17.7	95
100	19.1	18.8	18.8	25.8	20.8	19.4	25.4	21.2	19.6	23.3	21.2	19.6	20.8	20.2	19.3	18.1	17.8	17.1	100
105	18.1	17.8	17.9	24.5	20.2	19.2	23.3	20.6	19.4	22.3	20.6	19.4	19.9	19.4	18.7	17.2	17.1	16.5	105
110	17.1	16.9	17.1	22.6	19.7	19.1	21.3	20.1	19.2	21.2	20.1	19.3	19	18.7	18.1	16.5	16.4	16	110
115	16.2	16.1	16.3	20.8	19.3	19	19.9	19.7	19.1	19.6	19.5	19	18.2	18	17.5	15.7	15.8	15.5	115
120	15.4	15.3	15.5	19.1	18.8	18.9	18.9	19	19	18	18.9	18.6	17.5	17.3	16.9	15	15.1	14.9	120
125	14.6	14.6	14.8	17.5	18.4	18.9	17.7	17.9	18.7	16.4	17.8	18.1	16.7	16.6	16.4	14.4	14.4	14.4	125
130	13.9	13.9	14.1	16.1	17.2	18	16.3	17.1	17.2	15.7	16.4	17.3	15.5	15.9	15.8	13.7	13.8	13.8	130
135	13.2	13.3	13.5	14.8	15.8	16.5	15	16.1	16.5	14.9	15	16	14.2	15.3	15.2	13.1	13.2	13.3	135
140	12.5	12.6	12.9	13.8	14.5	15.1	13.8	14.8	15.6	14.2	14.3	14.6	13	14.2	14.7	12.4	12.6	12.7	140
145	12	12.1		13.2	13.3	13.8	12.7	13.6	14.3	13.1	13.7	13.8	11.9	13	13.9	11.6	12.1	12.2	145
150	11.4	11.5		12.7	12.7	12.9	12.1	12.5	13.1	12.1	13	13.2	10.8	11.9	12.8	10.6	11.5	11.7	150
155	11			12.2	12.2	12.4	11.5	11.7	11.9	11.1	12	12.5	9.9	10.9	11.7	9.7	10.7	11.2	155
160	9.9			11.7	11.8		10.9	11.1	11.3	10.2	11	11.6	8.9	9.9	10.6	8.8	9.7	10.6	160
165				11.3	11.4		10.3	10.6	10.8	9.4	10.1	10.5	8.1	9	9.6	7.9	8.8	9.6	165
170				10.8	11		9.6	10	10.2	8.6	9.2	9.6	7.3	8.1	8.7	7.1	8	8.7	170
175				5.4			8.9	9.3		7.9	8.4	8.7	6.6	7.3	7.8	6.4	7.2	7.8	175
180							8.2	8.5		7.2	7.7	7.9	5.9	6.6	7	5.7	6.4	7	180
185							7.6	7.8		6.5	7		5.3	5.8	6.2	5	5.7	6.2	185
190										6	6.3		4.7	5.2	5.4	4.4	5	5.5	190
195										5.4			4.1	4.5	4.7	3.9	4.4	4.8	195
200										4.9			3.6	3.9	4	3.3	3.8	4.1	200
205													3.1	3.4	3.3	2.8	3.2	3.4	205
210													2.6	2.8		2.3	2.7	2.8	210
215													2.1			1.9	2.2		215
220																1.4			220

t_242_01010_00_000

Lifting capacities Forces de levage

TNZK

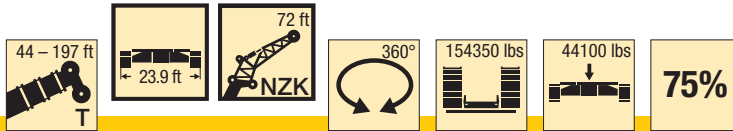


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
12	21.8																		12
13	22																		13
14	22.2																		14
15	22.2																		15
16	22.2			21.5															16
17	22.1			21.5															17
18	22.1			21.5															18
19	22			21.5			20.5												19
20	21.9			21.4			20.5												20
22	21.7			21.3			20.5			19.9									22
24	21.6			21.2			20.4			19.9									24
26	21.3			21			20.3			19.8			19						26
28	21.1			20.8			20.2			19.7			18.9						28
30	20.9			20.7			20			19.6			18.9			18.3			30
32	20.6			20.5			19.9			19.5			18.8			18.3			32
34	20.3			20.3			19.7			19.4			18.7			18.2			34
36	20			20			19.5			19.2			18.6			18.1			36
38	19.7			19.7			19.3			19.1			18.4			18			38
40	19.3	16.6		19.5			19.1			18.9			18.3			17.9			40
45	18.4	15.7		18.7	15.8		18.5			18.4			17.9			17.5			45
50	17.5	14.9		17.9	15.1		17.9			17.8			17.4			17.2			50
55	16.5	14.1		17.2	14.4		17.3	14.4		17.3	14.4		17			16.8			55
60	15.6	13.3	11.3	16.4	13.7		16.6	13.8		16.8	13.9		16.6	13.8		16.4	13.8		60
65	14.7	12.7	10.9	15.6	13.1	11	16	13.3	11	16.2	13.4		16.1	13.4		16	13.3		65
70	13.9	12.1	10.5	14.8	12.5	10.7	15.3	12.7	10.7	15.7	12.9		15.6	12.9		15.6	13		70
75	13.1	11.6	10.3	14.1	12	10.4	14.7	12.3	10.4	15.1	12.5	10.5	15.2	12.5	10.4	15.2	12.6		75
80	12.4	11.1	10	13.4	11.6	10.1	14	11.9	10.2	14.6	12.1	10.2	14.7	12.2	10.2	14.8	12.2	10.2	80
85	11.6	10.7	9.8	12.7	11.2	9.9	13.4	11.5	10	14	11.7	10.1	14.2	11.8	10.1	14.4	11.9	10	85
90	10.8	10.3	9.7	12.1	10.8	9.8	12.8	11.1	9.8	13.4	11.4	9.9	13.7	11.5	9.9	14	11.6	9.9	90
95	10.1	10	9.7	11.5	10.4	9.7	12.3	10.8	9.7	12.9	11.1	9.8	13.3	11.2	9.8	13.6	11.3	9.8	95
100	9.4	9.8	9.7	10.9	10.2	9.7	11.8	10.5	9.6	12.5	10.8	9.7	12.8	10.9	9.7	13.1	11.1	9.7	100
105	8.9	9.7		10.2	9.9	9.7	11.3	10.2	9.6	12	10.5	9.6	12.4	10.6	9.6	12.7	10.8	9.6	105
110				9.6	9.8	9.7	10.8	10	9.6	11.6	10.3	9.6	12	10.4	9.5	12.4	10.6	9.5	110
115				9.2	9.7		10.2	9.8	9.6	11.1	10	9.6	11.6	10.2	9.5	12	10.4	9.5	115
120				8.8	9.7		9.7	9.7	9.6	10.7	9.9	9.6	11.2	10	9.5	11.6	10.2	9.4	120
125							9.3	9.6	9.6	10.3	9.7	9.6	10.9	9.9	9.5	11.3	10	9.4	125
130							9	9.6		9.8	9.6	9.6	10.5	9.7	9.5	11	9.8	9.4	130
135							8.6	9.6		9.4	9.6	9.6	10.1	9.6	9.5	10.7	9.7	9.4	135
140										9.1	9.6	9.6	9.8	9.5	9.5	10.4	9.6	9.4	140
145										8.8	9.6		9.5	9.5	9.5	10.1	9.5	9.4	145
150										8.6			9.2	9.5	9.5	9.8	9.5	9.4	150
155													8.9	9.2		9.5	9.4	9.4	155
160													8.7	9.1		9.2	9.4	9.4	160
165																9	9.3	9.4	165
170																8.8	9.2		170
175																8.6	9.1		175

t_242_03000_00_000

Lifting capacities Forces de levage

TNZK



	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
32	17.5			18.2															32
34	17.5			18.2															34
36	17.4			18.1															36
38	17.3			18															38
40	17.2			17.9			17.2												40
45	16.9			17.6			16.9			15.8									45
50	16.6			17.3			16.7			15.6									50
55	16.3			17			16.4			15.4			14.1			13			55
60	16			16.7			16.2			15.2			13.9			12.8			60
65	15.7	13.2		16.4	13.7		15.9			14.9			13.8			12.7			65
70	15.3	12.8		16	13.3		15.6			14.7			13.6			12.5			70
75	15	12.5		15.7	13		15.3	12.8		14.5	12.4		13.4			12.4			75
80	14.6	12.2		15.4	12.6		15	12.5		14.3	12.1		13.2	11.5		12.2			80
85	14.3	11.9	10	15	12.3	10.2	14.7	12.2	10.1	14	11.8		13	11.3		12	10.8		85
90	13.9	11.6	9.9	14.7	12	10	14.4	12	10	13.7	11.6		12.8	11.1		11.9	10.6		90
95	13.6	11.3	9.8	14.3	11.8	9.9	14.1	11.7	9.8	13.5	11.4	9.7	12.6	10.9		11.7	10.5		95
100	13.2	11.1	9.6	13.9	11.5	9.8	13.8	11.4	9.7	13.2	11.2	9.6	12.4	10.7	9.4	11.6	10.3		100
105	12.8	10.8	9.6	13.6	11.3	9.7	13.4	11.2	9.6	12.9	11	9.5	12.2	10.6	9.3	11.4	10.2	9.2	105
110	12.4	10.6	9.5	13.2	11	9.6	13.1	11	9.5	12.7	10.8	9.4	12	10.4	9.3	11.2	10	9.1	110
115	12.1	10.4	9.4	12.8	10.8	9.5	12.8	10.8	9.5	12.4	10.6	9.4	11.7	10.2	9.2	11.1	9.9	9.1	115
120	11.8	10.2	9.4	12.5	10.6	9.4	12.5	10.6	9.4	12.1	10.4	9.3	11.5	10.1	9.2	10.9	9.8	9	120
125	11.5	10.1	9.4	12.2	10.4	9.4	12.2	10.4	9.3	11.9	10.3	9.3	11.3	10	9.1	10.8	9.7	9	125
130	11.2	9.9	9.4	11.9	10.2	9.4	11.9	10.2	9.3	11.7	10.1	9.2	11.1	9.8	9.1	10.6	9.5	9	130
135	10.9	9.8	9.4	11.6	10.1	9.3	11.7	10.1	9.3	11.4	10	9.2	11	9.7	9.1	10.4	9.4	8.9	135
140	10.6	9.7	9.4	11.3	9.9	9.3	11.4	9.9	9.2	11.2	9.8	9.2	10.8	9.6	9	10.2	9.3	8.9	140
145	10.3	9.6	9.4	11	9.8	9.3	11.1	9.8	9.2	11	9.7	9.2	10.6	9.5	9	9.9	9.3	8.9	145
150	9.9	9.5	9.4	10.8	9.6	9.3	10.9	9.7	9.2	10.8	9.6	9.2	10.4	9.4	9	9.6	9.2	8.9	150
155	9.5	9.4	9.4	10.5	9.5	9.3	10.7	9.6	9.2	10.6	9.5	9.2	10.2	9.3	9	9.3	9.1	8.9	155
160	9.2	9.2	9.4	10.3	9.5	9.3	10.4	9.5	9.2	10.4	9.4	9.2	10	9.3	9	8.9	8.9	8.9	160
165	8.9	9	9.2	10	9.4	9.3	10.2	9.4	9.2	10.2	9.3	9.2	9.9	9.2	9	8.6	8.8	8.8	165
170	8.5	8.7	8.9	9.8	9.4	9.3	10	9.3	9.2	10	9.3	9.2	9.7	9.1	9	8.4	8.6	8.7	170
175	8.2	8.4	8.6	9.6	9.3	9.3	9.8	9.3	9.2	9.8	9.2	9.2	9.4	9.1	9	8.1	8.3	8.6	175
180	8	8.1	8.5	9.4	9.3	9.3	9.7	9.2	9.2	9.6	9.2	9.2	9.1	9	9	7.8	8.1	8.4	180
185	7.7	7.9		9.2	9.3	9.3	9.3	9.2	9.2	9.3	9.2	9.2	8.8	8.8	9	7.5	7.8	8.1	185
190	7.5			9	9.3	8.6	9	9.2	9.2	8.7	9.1	9.2	8.6	8.6	8.9	7.2	7.5	7.8	190
195				8.8	9.3		8.7	8.9	9.2	8.1	8.9	9.1	8.3	8.4	8.7	7	7.2	7.5	195
200				7.8			8.4	8.6	7.6	7.7	8.3	8.6	7.7	8.2	8.5	6.7	7	7.2	200
205				6.3			8.1	8.4	7.3	7.5	7.7	7.9	7.2	7.9	8.2	6.5	6.7	7	205
210							7.5	8		7.3	7.5	7.6	6.7	7.5	7.8	6.2	6.5	6.7	210
215							6.5			7	7.2	7.4	6.2	6.9	7.1	5.9	6.2	6.4	215
220							3.3			6.8	7		5.7	6.4	6.5	5.5	6	6.2	220
225										6.2	6.7		5.3	5.9	5.9	5	5.7	5.9	225
230										4.3			4.8	5.4	5.2	4.5	5.2	5.4	230
235													4.4	4.9		4.1	4.7	4.8	235
240													3.8			3.7	4.2		240
245																3.3	3.7		245
250																2.9	3.2		250

t_242_03000_00_000

Lifting capacities Forces de levage

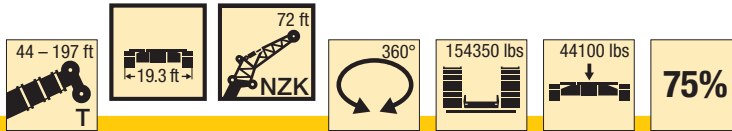
TNZK

44 – 197 ft  T 19.3 ft  72 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			 ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
12	21.8																		12
13	22																		13
14	22.2																		14
15	22.2																		15
16	22.2			21.5															16
17	22.1			21.5															17
18	22.1			21.5															18
19	22			21.5			20.5												19
20	21.9			21.4			20.5												20
22	21.7			21.3			20.5			19.9									22
24	21.6			21.2			20.4			19.9									24
26	21.3			21			20.3			19.8			19						26
28	21.1			20.8			20.2			19.7			18.9						28
30	20.9			20.7			20			19.6			18.9			18.3			30
32	20.6			20.5			19.9			19.5			18.8			18.3			32
34	20.3			20.3			19.7			19.4			18.7			18.2			34
36	20			20			19.5			19.2			18.6			18.1			36
38	19.7			19.7			19.3			19.1			18.4			18			38
40	19.3	16.6		19.5			19.1			18.9			18.3			17.9			40
45	18.4	15.7		18.7	15.8		18.5			18.4			17.9			17.5			45
50	17.5	14.9		17.9	15.1		17.9			17.8			17.4			17.2			50
55	16.5	14.1		17.2	14.4		17.3	14.4		17.3	14.4		17			16.8			55
60	15.6	13.3	11.3	16.4	13.7		16.6	13.8		16.8	13.9		16.6	13.8		16.4	13.8		60
65	14.7	12.7	10.9	15.6	13.1	11	16	13.3	11	16.2	13.4		16.1	13.4		16	13.3		65
70	13.9	12.1	10.5	14.8	12.5	10.7	15.3	12.7	10.7	15.7	12.9		15.6	12.9		15.6	13		70
75	13.1	11.6	10.3	14.1	12	10.4	14.7	12.3	10.4	15.1	12.5	10.5	15.2	12.5	10.4	15.2	12.6		75
80	12.4	11.1	10	13.4	11.6	10.1	14	11.9	10.2	14.6	12.1	10.2	14.7	12.2	10.2	14.8	12.2	10.2	80
85	11.6	10.7	9.8	12.7	11.2	9.9	13.4	11.5	10	14	11.7	10.1	14.2	11.8	10.1	14.4	11.9	10	85
90	10.8	10.3	9.7	12.1	10.8	9.8	12.8	11.1	9.8	13.4	11.4	9.9	13.7	11.5	9.9	14	11.6	9.9	90
95	10.1	10	9.7	11.5	10.4	9.7	12.3	10.8	9.7	12.9	11.1	9.8	13.3	11.2	9.8	13.6	11.3	9.8	95
100	9.4	9.8	9.7	10.9	10.2	9.7	11.8	10.5	9.6	12.5	10.8	9.7	12.8	10.9	9.7	13.1	11.1	9.7	100
105	8.9	9.7		10.2	9.9	9.7	11.3	10.2	9.6	12	10.5	9.6	12.4	10.6	9.6	12.7	10.8	9.6	105
110				9.6	9.8	9.7	10.8	10	9.6	11.6	10.3	9.6	12	10.4	9.5	12.4	10.6	9.5	110
115				9.2	9.7		10.2	9.8	9.6	11.1	10	9.6	11.6	10.2	9.5	12	10.4	9.5	115
120				8.8	9.7		9.7	9.7	9.6	10.7	9.9	9.6	11.2	10	9.5	11.6	10.2	9.4	120
125							9.3	9.6	9.6	10.3	9.7	9.6	10.9	9.9	9.5	11.3	10	9.4	125
130							9	9.6		9.8	9.6	9.6	10.5	9.7	9.5	11	9.8	9.4	130
135							8.6	9.6		9.4	9.6	9.6	10.1	9.6	9.5	10.7	9.7	9.4	135
140										9.1	9.6	9.6	9.8	9.5	9.5	10.4	9.6	9.4	140
145										8.8	9.6		9.5	9.5	9.5	10.1	9.5	9.4	145
150										8.6			9.2	9.5	9.5	9.8	9.5	9.4	150
155													8.9	9.2		9.5	9.4	9.4	155
160													8.7	9.1		9.2	9.4	9.4	160
165																9	9.3	9.4	165
170																8.8	9.2		170
175																8.6	9.1		175

t_242_03010_00_000

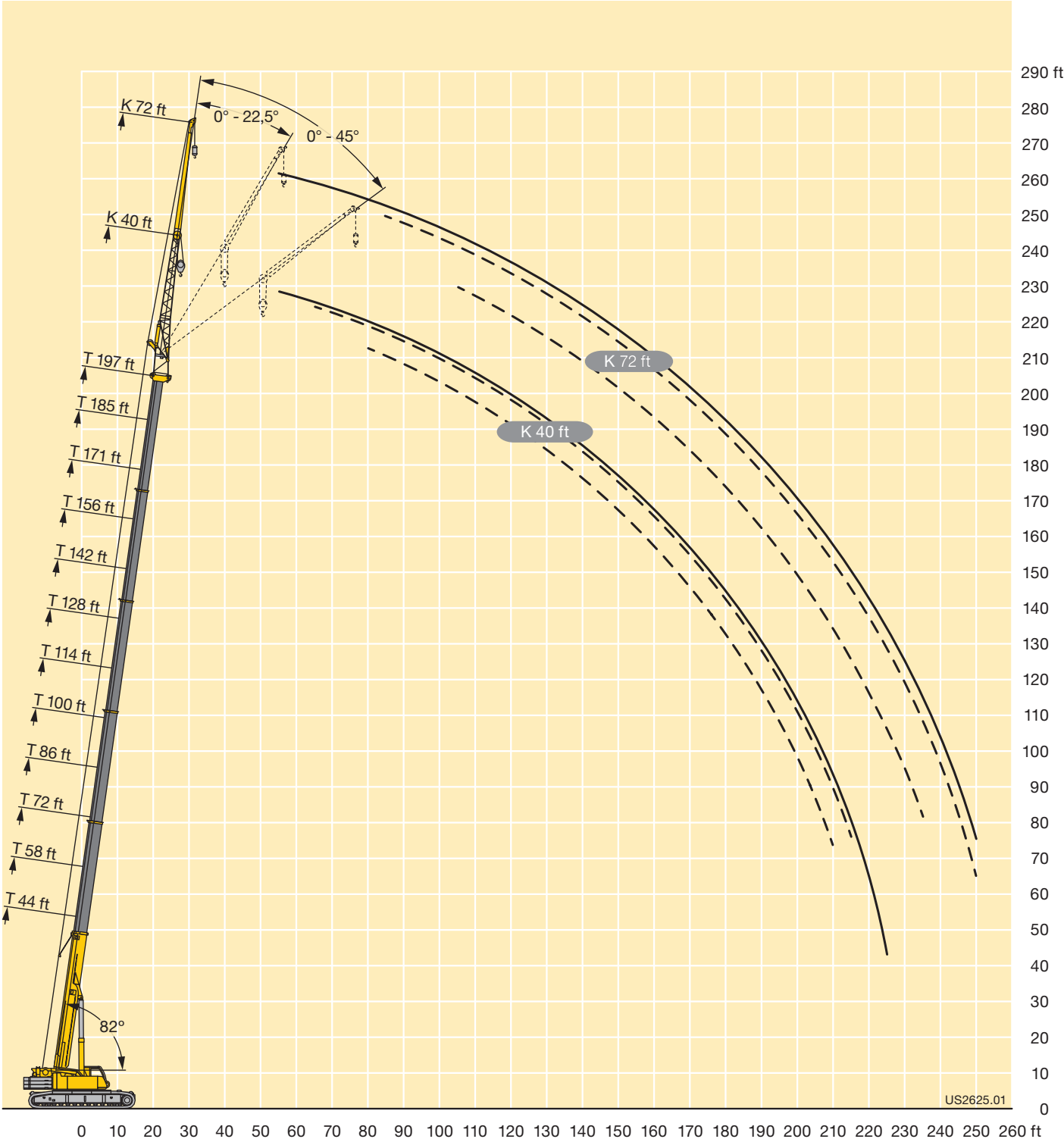
Lifting capacities Forces de levage

TNZK



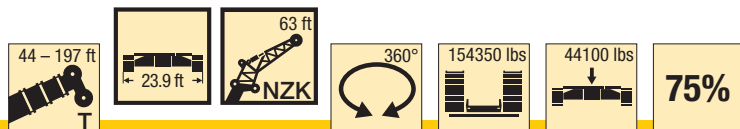
	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
32	17.5			18.2															32
34	17.5			18.2															34
36	17.4			18.1															36
38	17.3			18															38
40	17.2			17.9			17.2												40
45	16.9			17.6			16.9			15.8									45
50	16.6			17.3			16.7			15.6									50
55	16.3			17			16.4			15.4			14.1			13			55
60	16			16.7			16.2			15.2			13.9			12.8			60
65	15.7	13.2		16.4	13.7		15.9			14.9			13.8			12.7			65
70	15.3	12.8		16	13.3		15.6			14.7			13.6			12.5			70
75	15	12.5		15.7	13		15.3	12.8		14.5	12.4		13.4			12.4			75
80	14.6	12.2		15.4	12.6		15	12.5		14.3	12.1		13.2	11.5		12.2			80
85	14.3	11.9	10	15	12.3	10.2	14.7	12.2	10.1	14	11.8		13	11.3		12	10.8		85
90	13.9	11.6	9.9	14.7	12	10	14.4	12	10	13.7	11.6		12.8	11.1		11.9	10.6		90
95	13.6	11.3	9.8	14.3	11.8	9.9	14.1	11.7	9.8	13.5	11.4	9.7	12.6	10.9		11.7	10.5		95
100	13.2	11.1	9.6	13.9	11.5	9.8	13.8	11.4	9.7	13.2	11.2	9.6	12.4	10.7	9.4	11.6	10.3		100
105	12.8	10.8	9.6	13.6	11.3	9.7	13.4	11.2	9.6	12.9	11	9.5	12.2	10.6	9.3	11.4	10.2	9.2	105
110	12.4	10.6	9.5	13.2	11	9.6	13.1	11	9.5	12.7	10.8	9.4	12	10.4	9.3	11.2	10	9.1	110
115	12.1	10.4	9.4	12.8	10.8	9.5	12.8	10.8	9.5	12.4	10.6	9.4	11.7	10.2	9.2	11.1	9.9	9.1	115
120	11.8	10.2	9.4	12.5	10.6	9.4	12.5	10.6	9.4	12.1	10.4	9.3	11.5	10.1	9.2	10.9	9.8	9	120
125	11.5	10.1	9.4	12.2	10.4	9.4	12.2	10.4	9.3	11.9	10.3	9.3	11.3	10	9.1	10.8	9.7	9	125
130	11.2	9.9	9.4	11.9	10.2	9.4	11.9	10.2	9.3	11.7	10.1	9.2	11.1	9.8	9.1	10.6	9.5	9	130
135	10.9	9.8	9.4	11.6	10.1	9.3	11.7	10.1	9.3	11.4	10	9.2	11	9.7	9.1	10.4	9.4	8.9	135
140	10.6	9.7	9.4	11.3	9.9	9.3	11.4	9.9	9.2	11.2	9.8	9.2	10.8	9.6	9	10.2	9.3	8.9	140
145	10.3	9.6	9.4	11	9.8	9.3	11.1	9.8	9.2	11	9.7	9.2	10.6	9.5	9	9.9	9.3	8.9	145
150	9.9	9.5	9.4	10.8	9.6	9.3	10.9	9.7	9.2	10.8	9.6	9.2	10.4	9.4	9	9.6	9.2	8.9	150
155	9.5	9.4	9.4	10.5	9.5	9.3	10.5	9.6	9.2	10.5	9.5	9.2	10.2	9.3	9	9.3	9.1	8.9	155
160	9.2	9.2	9.4	10.3	9.5	9.3	10.3	9.5	9.2	10	9.4	9.2	9.9	9.3	9	8.9	8.9	8.9	160
165	8.9	9	9.2	10	9.4	9.3	10	9.4	9.2	9.8	9.3	9.2	9.3	9.2	9	8.6	8.8	8.8	165
170	8.5	8.7	8.9	9.5	9.4	9.3	9.5	9.3	9.2	9.5	9.3	9.2	8.5	9.1	9	8.1	8.6	8.7	170
175	8.2	8.4	8.6	8.8	9.3	9.3	8.7	9.3	9.2	9	9.1	9.1	7.8	9.1	9	7.5	8.3	8.6	175
180	8	8.1	8.5	8.6	9	9.2	8.4	9	9.2	8.3	9	9.1	7.1	8.5	9	6.8	8.1	8.4	180
185	7.7	7.9		8.3	8.4	8.7	8.1	8.4	8.8	7.6	8.7	9.1	6.4	7.8	8.6	6.1	7.6	8.1	185
190	7.5			8.1	8.2	8.6	7.8	8	8.2	7	8	8.6	5.7	7	7.8	5.5	6.9	7.6	190
195				7.8	7.9		7.4	7.7	7.9	6.4	7.4	7.8	5.2	6.4	7	4.9	6.2	7	195
200				7.6			6.8	7.4	7.5	5.8	6.7	7	4.6	5.7	6.2	4.3	5.6	6.2	200
205				6.3			6.3	6.8	6.7	5.3	6.1	6.3	4.1	5.1	5.5	3.8	4.9	5.5	205
210							5.8	6.2		4.8	5.5	5.6	3.6	4.5	4.9	3.3	4.3	4.9	210
215							5.3			4.3	4.9	4.9	3.1	3.9	4.2	2.8	3.8	4.2	215
220							3.3			3.9	4.4		2.6	3.4	3.5	2.3	3.3	3.6	220
225										3.5	3.8		2.2	2.9	2.9	1.9	2.8	3	225
230										3.1			1.8	2.4	2.2	1.4	2.3	2.4	230
235													1.4	1.9			1.8	1.8	235

t_242_03010_00_000



Lifting capacities Forces de levage

TNZK

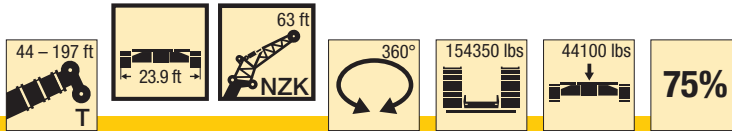


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
14	43.7																		14
15	43.4			40.7															15
16	43			40.5															16
17	42.7			40.2			36.6												17
18	42.2			40			36.5												18
19	41.8			39.7			36.3												19
20	41.3			39.5			36.2			34.1									20
22	40.3			38.9			35.8			33.9									22
24	39.2			38.3			35.5			33.6			30.9						24
26	38.1			37.5			35.1			33.4			30.7						26
28	37			36.8			34.6			33.1			30.6			29			28
30	35.9			35.9			34.1			32.8			30.4			28.9			30
32	34.8			35.1			33.6			32.5			30.2			28.7			32
34	33.6			34.2			33			32.1			29.9			28.5			34
36	32.4	23.8		33.3			32.4			31.7			29.7			28.3			36
38	31.1	23		32.4			31.7			31.1			29.4			28.1			38
40	29.7	22.2		31.4	22.6		30.9			30.6			29			27.8			40
45	26.3	20.6		28.8	21.1		29.1	21		29.1	21.1		28			27.1			45
50	23	19.1		26.1	19.7		27.1	19.8		27.6	20		26.9	19.7		26.3			50
55	20.6	17.8	15.7	23.4	18.5	15.9	25	18.8		26	19		25.6	18.9		25.4	18.8		55
60	18.5	16.7	15	21.1	17.5	15.2	23	17.8	15.2	24.4	18.1		24.4	18.1		24.4	18.1		60
65	16.7	15.7	14.4	19.2	16.5	14.7	21	16.9	14.7	22.7	17.3	14.8	23.1	17.3	14.7	23.3	17.4		65
70	15.2	14.9	13.8	17.6	15.7	14.2	19.3	16.1	14.3	21.1	16.5	14.4	21.8	16.6	14.3	22.2	16.7		70
75	14	14.1	13.4	16.2	15	13.7	17.9	15.4	13.9	19.5	15.9	14	20.5	16	14	21.2	16.2	14	75
80	12.8	13.4	13.1	14.9	14.3	13.4	16.6	14.8	13.5	18.2	15.3	13.7	19.2	15.4	13.7	20.1	15.6	13.7	80
85	11.8	12.9	12.9	13.8	13.7	13.1	15.4	14.2	13.2	17	14.7	13.4	18	14.9	13.4	19.1	15.1	13.5	85
90	10.9	12.4	12.9	12.8	13.1	12.9	14.4	13.7	13	15.9	14.2	13.1	17	14.4	13.2	18	14.7	13.3	90
95	10.1	12		11.9	12.7	12.8	13.5	13.2	12.8	15	13.7	12.9	16	14	13	17.1	14.2	13	95
100				11.2	12.3	12.8	12.7	12.8	12.7	14.1	13.3	12.8	15.1	13.6	12.8	16.2	13.8	12.9	100
105				10.5	12		11.9	12.5	12.7	13.3	12.9	12.7	14.3	13.2	12.7	15.3	13.4	12.7	105
110				9.9	11.8		11.3	12.2	12.7	12.6	12.6	12.6	13.6	12.9	12.6	14.6	13.1	12.6	110
115							10.7	11.9		11.9	12.3	12.6	12.9	12.6	12.5	13.9	12.8	12.5	115
120							10.1	11.7		11.3	12.1	12.6	12.3	12.2	12.4	13.3	12.6	12.4	120
125							9.7			10.8	11.8	12.6	11.8	11.9	12.1	12.7	12.3	12.4	125
130										10.3	11.6		11.3	11.4	11.7	12.2	12	12.3	130
135										9.9	11.6		10.8	10.9	11.3	11.7	11.7	12	135
140										9.6			10.4	10.5	10.9	11.2	11.4	11.6	140
145													10	10.2		10.8	11	11.3	145
150													9.7	9.9		10.4	10.6	11	150
155													9.5			10.1	10.3		155
160																9.8	10		160
165																9.6			165
170																5.4			170

t_242_02000_00_000

Lifting capacities Forces de levage

TNZK

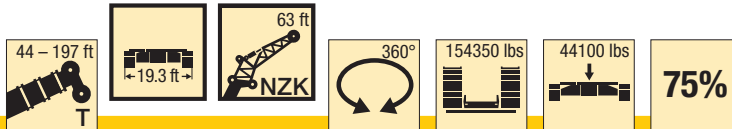


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
34	26.5			28.1															34
36	26.3			27.9															36
38	26.1			27.7															38
40	26			27.5			25.5												40
45	25.4			26.9			25			22.2									45
50	24.8			26.3			24.6			21.9									50
55	24.2			25.7			24.1			21.6			18.4						55
60	23.5	17.8		25.1	18.7		23.6			21.2			18.1			15.7			60
65	22.7	17.2		24.4	18.1		23.1			20.9			17.8			15.4			65
70	21.8	16.6		23.6	17.4		22.6	17.2		20.5			17.6			15.2			70
75	21	16.1	14	22.8	16.9		22	16.7		20.1	16		17.3			15			75
80	20.2	15.6	13.7	21.9	16.3	14	21.3	16.2	13.9	19.8	15.6		17.1	14.8		14.8	13.8		80
85	19.4	15.1	13.4	21.1	15.9	13.7	20.6	15.7	13.6	19.3	15.2	13.3	16.8	14.4		14.6	13.7		85
90	18.5	14.7	13.2	20.2	15.4	13.5	19.9	15.3	13.4	18.8	14.8	13.1	16.7	14.1		14.3	13.5		90
95	17.6	14.3	13	19.4	15	13.3	19.3	14.9	13.2	18.3	14.5	13	16.6	13.8	12.6	14.3	13.2		95
100	16.7	13.9	12.8	18.6	14.6	13.1	18.6	14.5	13	17.8	14.1	12.8	16.3	13.6	12.4	14.2	13	12.1	100
105	15.9	13.6	12.7	17.8	14.2	12.9	18	14.2	12.8	17.3	13.8	12.6	16	13.3	12.3	14	12.8	12	105
110	15.1	13.2	12.6	17	13.8	12.8	17.3	13.8	12.7	16.8	13.5	12.5	15.7	13.1	12.2	13.7	12.6	11.9	110
115	14.3	12.9	12.5	16.3	13.5	12.6	16.7	13.5	12.6	16.3	13.3	12.4	15.3	12.8	12.1	13.4	12.4	11.9	115
120	13.6	12.7	12.4	15.6	13.2	12.5	16	13.2	12.4	15.8	13	12.3	14.9	12.6	12	13	12.1	11.8	120
125	12.9	12.4	12.3	14.9	12.9	12.4	15.4	13	12.3	15.3	12.7	12.2	14.4	12.4	12	12.5	11.9	11.7	125
130	12.3	12.1	12.3	14.3	12.7	12.3	14.8	12.7	12.3	14.8	12.5	12.1	13.9	12.2	11.9	11.9	11.7	11.5	130
135	11.7	11.6	11.9	13.7	12.4	12.3	14.3	12.5	12.2	14.3	12.3	12.1	13.4	12	11.8	11.4	11.4	11.2	135
140	11.1	11.2	11.5	13.1	12.2	12.3	13.7	12.3	12.2	13.9	12.1	12	12.8	11.8	11.8	10.9	11	10.9	140
145	10.6	10.6	11	12.7	12	12.3	13.2	12.1	12.1	13.4	11.9	12	12.3	11.6	11.7	10.5	10.6	10.6	145
150	10.1	10.2	10.5	12.2	11.8	12.3	12.8	11.9	12.1	13	11.7	12	11.8	11.4	11.5	10	10.2	10.3	150
155	9.7	9.8	10.1	11.8	11.6	12.3	12.3	11.7	12.1	12.5	11.6	12	11.3	11.2	11.3	9.5	9.8	10	155
160	9.3	9.4	9.7	11.4	11.5	12.3	11.9	11.5	12.1	12.1	11.4	11.9	10.9	10.9	11	9.2	9.4	9.7	160
165	9	9.1	9.4	11	11.3	12.3	11.5	11.4	12.1	11.6	11.2	11.7	10.4	10.5	10.7	8.8	9.1	9.4	165
170	8.6	8.8		10.6	11.2	12.3	10.9	11.2	12.1	10.9	11.1	11.5	10.1	10.1	10.4	8.5	8.7	9.1	170
175	8.4	8.5		10.3	11.1	12.1	10.2	10.9	11.8	10.1	10.8	11.2	9.7	9.8	10.1	8.1	8.4	8.8	175
180	8.1			10.1	11	11.4	9.8	10.2	10.7	9.4	10.4	10.8	9.3	9.5	9.7	7.8	8.1	8.4	180
185				9.8	10.4		9.5	9.6	9.9	8.7	9.6	10.2	8.9	9.2	9.4	7.6	7.8	8.1	185
190				8.9	9.6		9.1	9.3	9.5	8.4	8.9	9.4	8.4	8.9	9.1	7.3	7.5	7.8	190
195				7.7	8.4		8.7	9		8.1	8.3	8.6	7.8	8.6	8.8	7	7.2	7.5	195
200							8.1	8.5		7.8	8	8.2	7.2	7.9	8.4	6.7	7	7.2	200
205							7	7.1		7.6	7.7	7.9	6.7	7.3	7.7	6.4	6.7	7	205
210							4.7			7.3	7.5		6.2	6.8	7.1	5.9	6.4	6.7	210
215										6.8			5.7	6.2	6.4	5.4	6.1	6.4	215
220										5.2			5.2	5.7	5.8	4.9	5.6	5.9	220
225													4.8	5.2	5.1	4.5	5.1	5.3	225
230													4.3	4.7		4	4.5	4.7	230
235													2.4			3.6	4		235
240																3.1	3.5		240
245																2.1			245

t_242_02000_00_000

Lifting capacities Forces de levage

TNZK

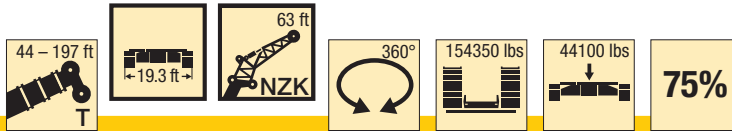


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
14	43.7																		14
15	43.4			40.7															15
16	43			40.5															16
17	42.7			40.2			36.6												17
18	42.2			40			36.5												18
19	41.8			39.7			36.3												19
20	41.3			39.5			36.2			34.1									20
22	40.3			38.9			35.8			33.9									22
24	39.2			38.3			35.5			33.6			30.9						24
26	38.1			37.5			35.1			33.4			30.7						26
28	37			36.8			34.6			33.1			30.6			29			28
30	35.9			35.9			34.1			32.8			30.4			28.9			30
32	34.8			35.1			33.6			32.5			30.2			28.7			32
34	33.6			34.2			33			32.1			29.9			28.5			34
36	32.4	23.8		33.3			32.4			31.7			29.7			28.3			36
38	31.1	23		32.4			31.7			31.1			29.4			28.1			38
40	29.7	22.2		31.4	22.6		30.9			30.6			29			27.8			40
45	26.3	20.6		28.8	21.1		29.1	21		29.1	21.1		28			27.1			45
50	23	19.1		26.1	19.7		27.1	19.8		27.6	20		26.9	19.7		26.3			50
55	20.6	17.8	15.7	23.4	18.5	15.9	25	18.8		26	19		25.6	18.9		25.4	18.8		55
60	18.5	16.7	15	21.1	17.5	15.2	23	17.8	15.2	24.4	18.1		24.4	18.1		24.4	18.1		60
65	16.7	15.7	14.4	19.2	16.5	14.7	21	16.9	14.7	22.7	17.3	14.8	23.1	17.3	14.7	23.3	17.4		65
70	15.2	14.9	13.8	17.6	15.7	14.2	19.3	16.1	14.3	21.1	16.5	14.4	21.8	16.6	14.3	22.2	16.7		70
75	14	14.1	13.4	16.2	15	13.7	17.9	15.4	13.9	19.5	15.9	14	20.5	16	14	21.2	16.2	14	75
80	12.8	13.4	13.1	14.9	14.3	13.4	16.6	14.8	13.5	18.2	15.3	13.7	19.2	15.4	13.7	20.1	15.6	13.7	80
85	11.8	12.9	12.9	13.8	13.7	13.1	15.4	14.2	13.2	17	14.7	13.4	18	14.9	13.4	19.1	15.1	13.5	85
90	10.9	12.4	12.9	12.8	13.1	12.9	14.4	13.7	13	15.9	14.2	13.1	17	14.4	13.2	18	14.7	13.3	90
95	10.1	12		11.9	12.7	12.8	13.5	13.2	12.8	15	13.7	12.9	16	14	13	17.1	14.2	13	95
100				11.2	12.3	12.8	12.7	12.8	12.7	14.1	13.3	12.8	15.1	13.6	12.8	16.2	13.8	12.9	100
105				10.5	12		11.9	12.5	12.7	13.3	12.9	12.7	14.3	13.2	12.7	15.3	13.4	12.7	105
110				9.9	11.8		11.3	12.2	12.7	12.6	12.6	12.6	13.6	12.9	12.6	14.6	13.1	12.6	110
115							10.7	11.9		11.9	12.3	12.6	12.9	12.6	12.5	13.9	12.8	12.5	115
120							10.1	11.7		11.3	12.1	12.6	12.3	12.2	12.4	13.3	12.6	12.4	120
125							9.7			10.8	11.8	12.6	11.8	11.9	12.1	12.7	12.3	12.4	125
130										10.3	11.6		11.3	11.4	11.7	12.2	12	12.3	130
135										9.9	11.6		10.8	10.9	11.3	11.7	11.7	12	135
140										9.6			10.4	10.5	10.9	11.2	11.4	11.6	140
145													10	10.2		10.8	11	11.3	145
150													9.7	9.9		10.4	10.6	11	150
155													9.5			10.1	10.3		155
160																9.8	10		160
165																9.6			165
170																5.4			170

t_242_02010_00_000

Lifting capacities Forces de levage

TNZK

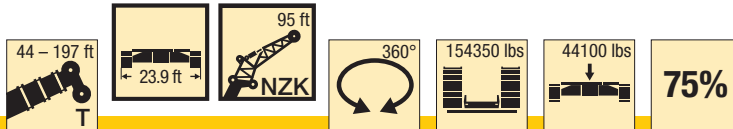


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
34	26.5			28.1															34
36	26.3			27.9															36
38	26.1			27.7															38
40	26			27.5			25.5												40
45	25.4			26.9			25			22.2									45
50	24.8			26.3			24.6			21.9									50
55	24.2			25.7			24.1			21.6			18.4						55
60	23.5	17.8		25.1	18.7		23.6			21.2			18.1			15.7			60
65	22.7	17.2		24.4	18.1		23.1			20.9			17.8			15.4			65
70	21.8	16.6		23.6	17.4		22.6	17.2		20.5			17.6			15.2			70
75	21	16.1	14	22.8	16.9		22	16.7		20.1	16		17.3			15			75
80	20.2	15.6	13.7	21.9	16.3	14	21.3	16.2	13.9	19.8	15.6		17.1	14.8		14.8	13.8		80
85	19.4	15.1	13.4	21.1	15.9	13.7	20.6	15.7	13.6	19.3	15.2	13.3	16.8	14.4		14.6	13.7		85
90	18.5	14.7	13.2	20.2	15.4	13.5	19.9	15.3	13.4	18.8	14.8	13.1	16.7	14.1		14.3	13.5		90
95	17.6	14.3	13	19.4	15	13.3	19.3	14.9	13.2	18.3	14.5	13	16.6	13.8	12.6	14.3	13.2		95
100	16.7	13.9	12.8	18.6	14.6	13.1	18.6	14.5	13	17.8	14.1	12.8	16.3	13.6	12.4	14.2	13	12.1	100
105	15.9	13.6	12.7	17.8	14.2	12.9	18	14.2	12.8	17.3	13.8	12.6	16	13.3	12.3	14	12.8	12	105
110	15.1	13.2	12.6	17	13.8	12.8	17.3	13.8	12.7	16.8	13.5	12.5	15.7	13.1	12.2	13.7	12.6	11.9	110
115	14.3	12.9	12.5	16.3	13.5	12.6	16.7	13.5	12.6	16.3	13.3	12.4	15.3	12.8	12.1	13.4	12.4	11.9	115
120	13.6	12.7	12.4	15.6	13.2	12.5	16	13.2	12.4	15.8	13	12.3	14.9	12.6	12	13	12.1	11.8	120
125	12.9	12.4	12.3	14.9	12.9	12.4	15.4	13	12.3	15.3	12.7	12.2	14.4	12.4	12	12.5	11.9	11.7	125
130	12.3	12.1	12.3	14.3	12.7	12.3	14.8	12.7	12.3	14.8	12.5	12.1	13.9	12.2	11.9	11.9	11.7	11.5	130
135	11.7	11.6	11.9	13.7	12.4	12.3	14.1	12.5	12.2	14.2	12.3	12.1	13.4	12	11.8	11.4	11.4	11.2	135
140	11.1	11.2	11.5	13.1	12.2	12.3	13.4	12.3	12.2	13.2	12.1	12	12.8	11.8	11.8	10.9	11	10.9	140
145	10.6	10.6	11	12.7	12	12.3	13	12.1	12.1	12.1	11.9	12	12.3	11.6	11.7	10.5	10.6	10.6	145
150	10.1	10.2	10.5	12.2	11.8	12.3	12.3	11.9	12.1	11.5	11.7	12	11.3	11.4	11.5	10	10.2	10.3	150
155	9.7	9.8	10.1	11.3	11.6	12.3	11.3	11.6	12.1	11	11.4	12	10.4	11.2	11.3	9.5	9.8	10	155
160	9.3	9.4	9.7	10.4	11.4	12.1	10.4	11.3	12	10.6	10.7	11.7	9.5	10.9	11	9.1	9.4	9.7	160
165	9	9.1	9.4	9.7	10.6	11.2	9.6	10.8	11.6	9.9	10.3	10.8	8.6	10.1	10.7	8.3	9.1	9.4	165
170	8.6	8.8		9.4	9.7	10.2	9.1	9.9	10.6	9.1	9.9	10.2	7.8	9.2	10.3	7.6	8.7	9.1	170
175	8.4	8.5		9.1	9.1	9.4	8.7	9.1	9.7	8.3	9.4	9.8	7.1	8.4	9.4	6.8	8.2	8.8	175
180	8.1			8.8	8.9	9.2	8.4	8.6	8.9	7.6	8.7	9.4	6.4	7.6	8.5	6.1	7.4	8.3	180
185				8.5	8.6		8	8.3	8.5	7	7.9	8.5	5.7	6.9	7.7	5.5	6.7	7.7	185
190				8.3	8.4		7.4	7.9	8.2	6.4	7.2	7.7	5.1	6.2	6.9	4.8	6	6.9	190
195				7.7	8.2		6.8	7.4		5.8	6.6	6.9	4.5	5.5	6.1	4.2	5.3	6.1	195
200							6.3	6.7		5.2	5.9	6.2	4	4.9	5.4	3.7	4.7	5.4	200
205							5.8	6.1		4.7	5.3	5.4	3.5	4.3	4.7	3.2	4.1	4.7	205
210							4.7			4.3	4.7		3	3.7	4	2.7	3.5	4.1	210
215										3.8			2.5	3.1	3.4	2.2	3	3.4	215
220										3.4			2.1	2.6	2.7	1.7	2.5	2.8	220
225													1.7	2.1	2		2	2.2	225
230														1.7			1.4	1.6	230

t_242_02010_00_000

Lifting capacities Forces de levage

TNZK

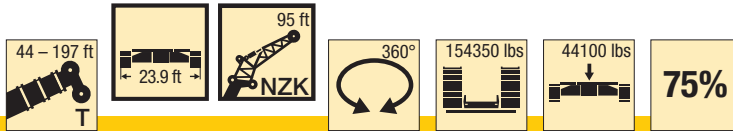


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
19	17.3			16.6															19
20	17.3			16.6															20
22	17.2			16.6			15.7												22
24	17.2			16.6			15.7												24
26	17.1			16.6			15.7			15.1									26
28	17			16.5			15.7			15.1			14.3						28
30	16.9			16.4			15.6			15.1			14.3						30
32	16.8			16.4			15.6			15			14.2			13.7			32
34	16.7			16.3			15.5			15			14.2			13.7			34
36	16.5			16.2			15.4			14.9			14.1			13.6			36
38	16.3			16			15.3			14.8			14.1			13.6			38
40	16.1			15.8			15.2			14.8			14			13.5			40
45	15.3			15.3			14.8			14.5			13.9			13.4			45
50	14.5			14.6			14.3			14.1			13.6			13.2			50
55	13.7	11.2		14			13.8			13.7			13.3			13			55
60	12.8	10.5		13.2	10.5		13.2			13.2			12.9			12.7			60
65	12	9.8		12.5	10		12.6	9.9		12.7	9.9		12.4			12.3			65
70	11.2	9.3		11.8	9.5		12	9.5		12.2	9.5		12			11.9			70
75	10.4	8.9		11.1	9.1		11.4	9.1		11.7	9.2		11.6	9.1		11.6	9.1		75
80	9.8	8.4	7.3	10.4	8.7		10.8	8.7		11.1	8.8		11.1	8.8		11.2	8.8		80
85	9.2	8	7	9.8	8.3	7	10.2	8.4	7	10.6	8.5		10.7	8.5		10.8	8.6		85
90	8.6	7.7	6.7	9.3	8	6.8	9.8	8.1	6.8	10.1	8.2		10.3	8.3		10.4	8.3		90
95	8.1	7.4	6.6	8.8	7.6	6.6	9.3	7.8	6.7	9.7	8	6.7	9.8	8	6.7	10	8		95
100	7.6	7.1	6.4	8.4	7.4	6.5	8.9	7.5	6.5	9.3	7.7	6.5	9.4	7.8	6.5	9.6	7.8	6.5	100
105	7.1	6.8	6.2	7.9	7.1	6.3	8.5	7.3	6.4	8.9	7.4	6.4	9.1	7.5	6.4	9.3	7.6	6.4	105
110	6.7	6.6	6.1	7.5	6.9	6.2	8.1	7.1	6.2	8.5	7.2	6.3	8.8	7.3	6.3	9	7.4	6.3	110
115	6.3	6.4	6	7.1	6.7	6.1	7.7	6.9	6.1	8.2	7	6.2	8.4	7.1	6.2	8.7	7.2	6.2	115
120	6	6.2	6	6.7	6.5	6	7.4	6.7	6	7.9	6.9	6.1	8.2	7	6.1	8.4	7	6.1	120
125	5.7	6.1		6.4	6.3	6	7	6.5	6	7.6	6.7	6	7.9	6.8	6	8.2	6.9	6	125
130	5.4	6.1		6.1	6.1	6	6.7	6.3	5.9	7.3	6.5	6	7.7	6.6	5.9	7.9	6.7	6	130
135				5.8	6	6	6.4	6.2	5.9	7	6.4	5.9	7.4	6.5	5.9	7.7	6.6	5.9	135
140				5.6	6		6.1	6.1	5.9	6.7	6.2	5.9	7.1	6.3	5.8	7.4	6.5	5.9	140
145				5.4			5.9	6	5.9	6.4	6.1	5.9	6.9	6.2	5.8	7.2	6.3	5.8	145
150							5.7	6		6.2	6	5.9	6.6	6.1	5.8	7	6.2	5.8	150
155							5.5			6	5.9	5.9	6.4	6	5.8	6.8	6.1	5.8	155
160										5.8	5.9	5.9	6.2	5.9	5.8	6.6	6	5.8	160
165										5.6	5.9		6	5.9	5.8	6.4	5.9	5.8	165
170										5.4			5.8	5.8	5.8	6.2	5.9	5.8	170
175													5.6	5.8	5.8	6	5.8	5.8	175
180													5.5			5.8	5.8	5.8	180
185													5.4			5.7	5.8	5.8	185
190																5.5	5.8		190
195																5.4	5.8		195
200																5.3			200

t_242_05000_00_000

Lifting capacities Forces de levage

TNZK

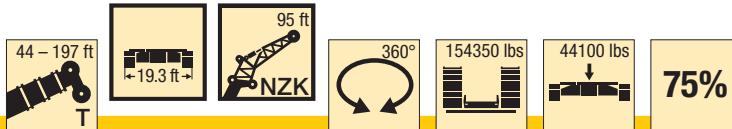


 ft	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			 ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
36	12.9																		36
38	12.9			13.5															38
40	12.8			13.4															40
45	12.7			13.3			12.6												45
50	12.6			13.2			12.5												50
55	12.4			13			12.4			11.4			10.2						55
60	12.2			12.9			12.3			11.3			10.1			9.2			60
65	11.9			12.6			12.1			11.2			10			9.1			65
70	11.6			12.3			11.9			11			9.9			9			70
75	11.3			12			11.6			10.8			9.8			8.9			75
80	11	8.7		11.7	9		11.3			10.6			9.7			8.8			80
85	10.6	8.5		11.3	8.8		11	8.7		10.4			9.5			8.7			85
90	10.3	8.3		11	8.6		10.8	8.5		10.2			9.3			8.7			90
95	9.9	8		10.6	8.3		10.5	8.3		9.9	8		9.2	7.7		8.6			95
100	9.6	7.8		10.3	8.1		10.1	8.1		9.6	7.8		9	7.5		8.4	7.3		100
105	9.3	7.6	6.4	10	7.9	6.5	9.8	7.8	6.4	9.4	7.7		8.8	7.4		8.3	7.1		105
110	9	7.4	6.3	9.6	7.7	6.4	9.6	7.7	6.3	9.2	7.5		8.7	7.2		8.2	7		110
115	8.7	7.2	6.2	9.3	7.5	6.3	9.3	7.5	6.2	8.9	7.3	6.2	8.5	7.1		8.1	6.9		115
120	8.5	7.1	6.1	9.1	7.3	6.2	9	7.3	6.2	8.7	7.2	6.1	8.3	7	6	7.9	6.8		120
125	8.3	6.9	6	8.8	7.2	6.1	8.8	7.2	6.1	8.5	7	6	8.2	6.8	5.9	7.8	6.6	5.8	125
130	8	6.8	5.9	8.5	7	6	8.5	7	6	8.3	6.9	5.9	8	6.7	5.8	7.6	6.5	5.7	130
135	7.8	6.6	5.9	8.3	6.9	6	8.3	6.9	5.9	8.2	6.8	5.8	7.8	6.6	5.8	7.5	6.4	5.7	135
140	7.6	6.5	5.8	8.1	6.7	5.9	8.1	6.7	5.9	8	6.7	5.8	7.6	6.5	5.7	7.4	6.3	5.6	140
145	7.4	6.4	5.8	7.8	6.6	5.8	7.9	6.6	5.8	7.8	6.5	5.8	7.5	6.4	5.7	7.3	6.2	5.6	145
150	7.2	6.3	5.8	7.6	6.5	5.8	7.7	6.5	5.8	7.6	6.4	5.7	7.4	6.3	5.6	7.1	6.2	5.5	150
155	7	6.2	5.7	7.4	6.4	5.8	7.5	6.4	5.7	7.4	6.3	5.7	7.2	6.2	5.6	7	6.1	5.5	155
160	6.8	6.1	5.7	7.2	6.2	5.7	7.3	6.3	5.7	7.3	6.2	5.6	7.1	6.1	5.5	6.9	6	5.5	160
165	6.7	6	5.7	7	6.2	5.7	7.2	6.2	5.7	7.1	6.1	5.6	6.9	6	5.5	6.8	5.9	5.5	165
170	6.5	5.9	5.7	6.9	6.1	5.7	7	6.1	5.6	7	6.1	5.6	6.8	6	5.5	6.6	5.8	5.4	170
175	6.3	5.8	5.7	6.7	6	5.7	6.8	6	5.6	6.8	6	5.6	6.7	5.9	5.5	6.5	5.8	5.4	175
180	6.1	5.8	5.7	6.6	5.9	5.7	6.7	5.9	5.6	6.7	5.9	5.6	6.6	5.8	5.5	6.4	5.7	5.4	180
185	5.9	5.8	5.7	6.4	5.8	5.7	6.6	5.9	5.6	6.5	5.8	5.6	6.4	5.7	5.5	6.3	5.7	5.4	185
190	5.8	5.7	5.7	6.2	5.8	5.7	6.4	5.8	5.6	6.4	5.8	5.6	6.3	5.7	5.5	6.2	5.6	5.4	190
195	5.7	5.7	5.7	6.1	5.7	5.7	6.3	5.7	5.6	6.3	5.7	5.6	6.2	5.6	5.5	6.1	5.6	5.4	195
200	5.5	5.7	5.7	5.9	5.7	5.7	6.1	5.7	5.6	6.2	5.7	5.6	6.1	5.6	5.5	5.9	5.5	5.4	200
205	5.4	5.7		5.8	5.7	5.7	6	5.7	5.6	6.1	5.6	5.6	6	5.6	5.5	5.7	5.5	5.4	205
210	5.3			5.6	5.7	5.7	5.9	5.6	5.6	6	5.6	5.6	6	5.5	5.5	5.5	5.4	5.4	210
215	4.9			5.5	5.7		5.8	5.6	5.6	5.9	5.6	5.6	5.9	5.5	5.5	5.3	5.4	5.4	215
220				5.4	5.7		5.7	5.6	5.6	5.7	5.6	5.6	5.7	5.5	5.5	5.1	5.3	5.4	220
225				5.3			5.5	5.6	5.6	5.6	5.5	5.6	5.5	5.5	5.5	4.9	5.1	5.4	225
230							5.4	5.6		5.5	5.5	5.6	5	5.5	5.5	4.7	5	5.2	230
235							5.1	5.6		5.4	5.5	5.6	4.6	5.4	5.5	4.3	4.8	5	235
240							3.9			5.2	5.4	5.6	4.2	5	5.2	3.8	4.6	4.8	240
245										4.9	5.3		3.8	4.6	4.6	3.4	4.4	4.6	245
250										3.9			3.4	4.1	3.9	3	3.9	4.1	250
255										1.4			3	3.6		2.6	3.4	3.5	255
260													2.6	3.1		2.3	3	2.9	260
265																1.9	2.5		265
270																1.6	2.1		270

t_242_05000_00_000

Lifting capacities Forces de levage

TNZK

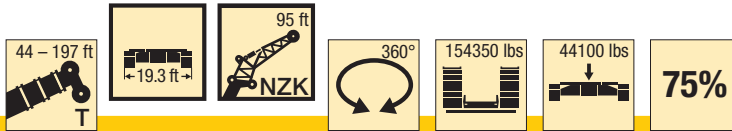


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
19	17.3			16.6															19
20	17.3			16.6															20
22	17.2			16.6			15.7												22
24	17.2			16.6			15.7												24
26	17.1			16.6			15.7			15.1									26
28	17			16.5			15.7			15.1			14.3						28
30	16.9			16.4			15.6			15.1			14.3						30
32	16.8			16.4			15.6			15			14.2			13.7			32
34	16.7			16.3			15.5			15			14.2			13.7			34
36	16.5			16.2			15.4			14.9			14.1			13.6			36
38	16.3			16			15.3			14.8			14.1			13.6			38
40	16.1			15.8			15.2			14.8			14			13.5			40
45	15.3			15.3			14.8			14.5			13.9			13.4			45
50	14.5			14.6			14.3			14.1			13.6			13.2			50
55	13.7	11.2		14			13.8			13.7			13.3			13			55
60	12.8	10.5		13.2	10.5		13.2			13.2			12.9			12.7			60
65	12	9.8		12.5	10		12.6	9.9		12.7	9.9		12.4			12.3			65
70	11.2	9.3		11.8	9.5		12	9.5		12.2	9.5		12			11.9			70
75	10.4	8.9		11.1	9.1		11.4	9.1		11.7	9.2		11.6	9.1		11.6	9.1		75
80	9.8	8.4	7.3	10.4	8.7		10.8	8.7		11.1	8.8		11.1	8.8		11.2	8.8		80
85	9.2	8	7	9.8	8.3	7	10.2	8.4	7	10.6	8.5		10.7	8.5		10.8	8.6		85
90	8.6	7.7	6.7	9.3	8	6.8	9.8	8.1	6.8	10.1	8.2		10.3	8.3		10.4	8.3		90
95	8.1	7.4	6.6	8.8	7.6	6.6	9.3	7.8	6.7	9.7	8	6.7	9.8	8	6.7	10	8		95
100	7.6	7.1	6.4	8.4	7.4	6.5	8.9	7.5	6.5	9.3	7.7	6.5	9.4	7.8	6.5	9.6	7.8	6.5	100
105	7.1	6.8	6.2	7.9	7.1	6.3	8.5	7.3	6.4	8.9	7.4	6.4	9.1	7.5	6.4	9.3	7.6	6.4	105
110	6.7	6.6	6.1	7.5	6.9	6.2	8.1	7.1	6.2	8.5	7.2	6.3	8.8	7.3	6.3	9	7.4	6.3	110
115	6.3	6.4	6	7.1	6.7	6.1	7.7	6.9	6.1	8.2	7	6.2	8.4	7.1	6.2	8.7	7.2	6.2	115
120	6	6.2	6	6.7	6.5	6	7.4	6.7	6	7.9	6.9	6.1	8.2	7	6.1	8.4	7	6.1	120
125	5.7	6.1		6.4	6.3	6	7	6.5	6	7.6	6.7	6	7.9	6.8	6	8.2	6.9	6	125
130	5.4	6.1		6.1	6.1	6	6.7	6.3	5.9	7.3	6.5	6	7.7	6.6	5.9	7.9	6.7	6	130
135				5.8	6	6	6.4	6.2	5.9	7	6.4	5.9	7.4	6.5	5.9	7.7	6.6	5.9	135
140				5.6	6		6.1	6.1	5.9	6.7	6.2	5.9	7.1	6.3	5.8	7.4	6.5	5.9	140
145				5.4			5.9	6	5.9	6.4	6.1	5.9	6.9	6.2	5.8	7.2	6.3	5.8	145
150							5.7	6		6.2	6	5.9	6.6	6.1	5.8	7	6.2	5.8	150
155							5.5			6	5.9	5.9	6.4	6	5.8	6.8	6.1	5.8	155
160										5.8	5.9	5.9	6.2	5.9	5.8	6.6	6	5.8	160
165										5.6	5.9		6	5.9	5.8	6.4	5.9	5.8	165
170										5.4			5.8	5.8	5.8	6.2	5.9	5.8	170
175													5.6	5.8	5.8	6	5.8	5.8	175
180													5.5			5.8	5.8	5.8	180
185													5.4			5.7	5.8	5.8	185
190																5.5	5.8		190
195																5.4	5.8		195
200																5.3			200

t_242_05010_00_000

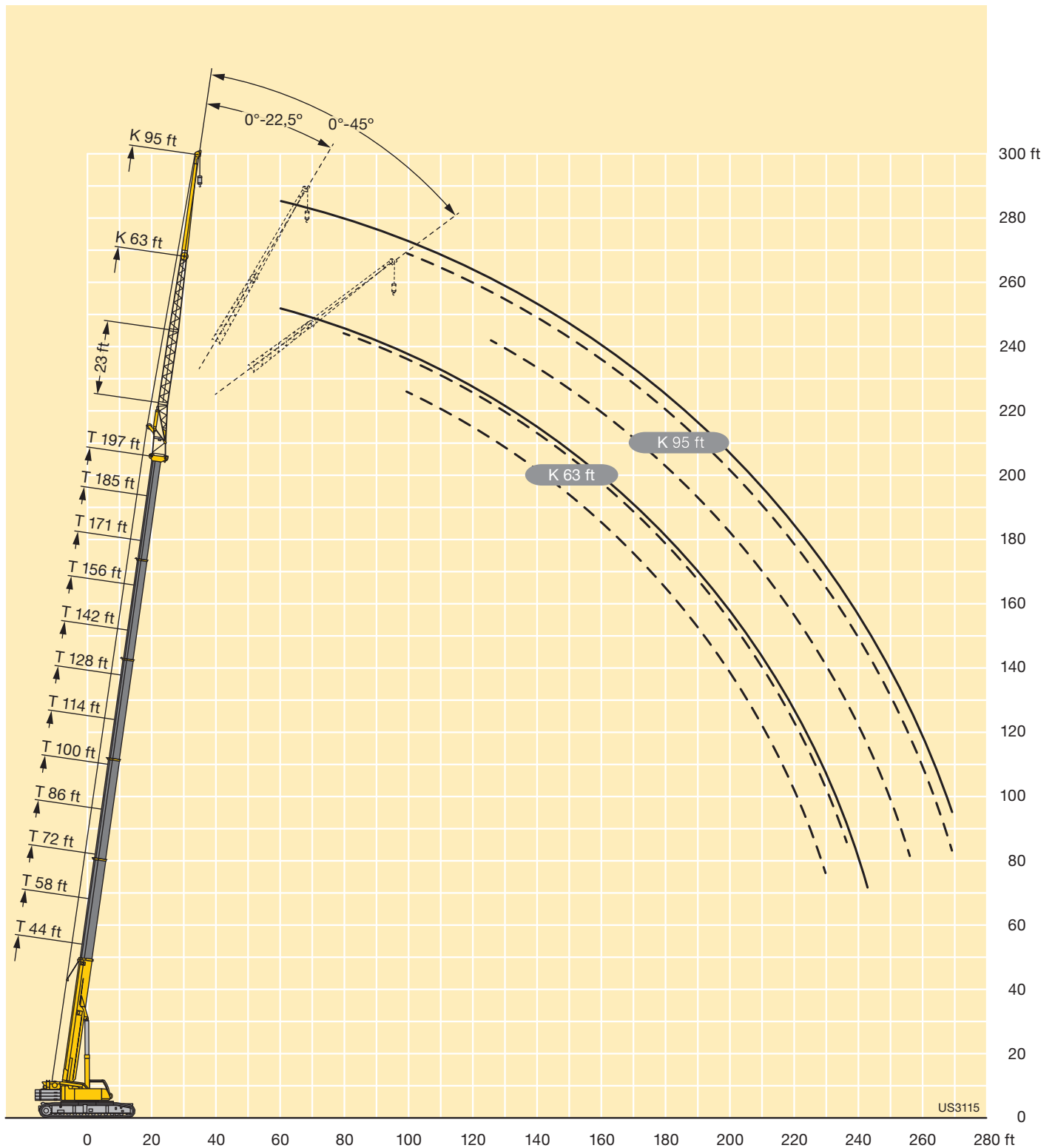
Lifting capacities Forces de levage

TNZK



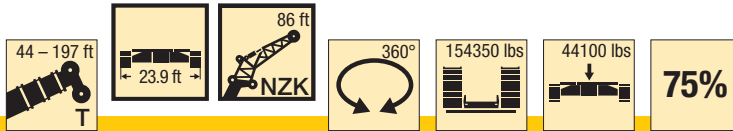
	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
36	12.9																		36
38	12.9			13.5															38
40	12.8			13.4															40
45	12.7			13.3			12.6												45
50	12.6			13.2			12.5												50
55	12.4			13			12.4			11.4			10.2						55
60	12.2			12.9			12.3			11.3			10.1			9.2			60
65	11.9			12.6			12.1			11.2			10			9.1			65
70	11.6			12.3			11.9			11			9.9			9			70
75	11.3			12			11.6			10.8			9.8			8.9			75
80	11	8.7		11.7	9		11.3			10.6			9.7			8.8			80
85	10.6	8.5		11.3	8.8		11	8.7		10.4			9.5			8.7			85
90	10.3	8.3		11	8.6		10.8	8.5		10.2			9.3			8.7			90
95	9.9	8		10.6	8.3		10.5	8.3		9.9	8		9.2	7.7		8.6			95
100	9.6	7.8		10.3	8.1		10.1	8.1		9.6	7.8		9	7.5		8.4	7.3		100
105	9.3	7.6	6.4	10	7.9	6.5	9.8	7.8	6.4	9.4	7.7		8.8	7.4		8.3	7.1		105
110	9	7.4	6.3	9.6	7.7	6.4	9.6	7.7	6.3	9.2	7.5		8.7	7.2		8.2	7		110
115	8.7	7.2	6.2	9.3	7.5	6.3	9.3	7.5	6.2	8.9	7.3	6.2	8.5	7.1		8.1	6.9		115
120	8.5	7.1	6.1	9.1	7.3	6.2	9	7.3	6.2	8.7	7.2	6.1	8.3	7	6	7.9	6.8		120
125	8.3	6.9	6	8.8	7.2	6.1	8.8	7.2	6.1	8.5	7	6	8.2	6.8	5.9	7.8	6.6	5.8	125
130	8	6.8	5.9	8.5	7	6	8.5	7	6	8.3	6.9	5.9	8	6.7	5.8	7.6	6.5	5.7	130
135	7.8	6.6	5.9	8.3	6.9	6	8.3	6.9	5.9	8.2	6.8	5.8	7.8	6.6	5.8	7.5	6.4	5.7	135
140	7.6	6.5	5.8	8.1	6.7	5.9	8.1	6.7	5.9	8	6.7	5.8	7.6	6.5	5.7	7.4	6.3	5.6	140
145	7.4	6.4	5.8	7.8	6.6	5.8	7.9	6.6	5.8	7.8	6.5	5.8	7.5	6.4	5.7	7.3	6.2	5.6	145
150	7.2	6.3	5.8	7.6	6.5	5.8	7.7	6.5	5.8	7.6	6.4	5.7	7.4	6.3	5.6	7.1	6.2	5.5	150
155	7	6.2	5.7	7.4	6.4	5.8	7.5	6.4	5.7	7.4	6.3	5.7	7.2	6.2	5.6	7	6.1	5.5	155
160	6.8	6.1	5.7	7.2	6.2	5.7	7.3	6.3	5.7	7.3	6.2	5.6	7.1	6.1	5.5	6.9	6	5.5	160
165	6.7	6	5.7	7	6.2	5.7	7.2	6.2	5.7	7.1	6.1	5.6	6.9	6	5.5	6.8	5.9	5.5	165
170	6.5	5.9	5.7	6.9	6.1	5.7	7	6.1	5.6	7	6.1	5.6	6.8	6	5.5	6.6	5.8	5.4	170
175	6.3	5.8	5.7	6.7	6	5.7	6.8	6	5.6	6.8	6	5.6	6.7	5.9	5.5	6.5	5.8	5.4	175
180	6.1	5.8	5.7	6.6	5.9	5.7	6.7	5.9	5.6	6.7	5.9	5.6	6.6	5.8	5.5	6.4	5.7	5.4	180
185	5.9	5.8	5.7	6.4	5.8	5.7	6.5	5.9	5.6	6.5	5.8	5.6	6.4	5.7	5.5	6.1	5.7	5.4	185
190	5.8	5.7	5.7	6.2	5.8	5.7	6.4	5.8	5.6	6.3	5.8	5.6	6	5.7	5.5	5.7	5.6	5.4	190
195	5.7	5.7	5.7	6.1	5.7	5.7	6.2	5.7	5.6	6.2	5.7	5.6	5.4	5.6	5.5	5.1	5.6	5.4	195
200	5.5	5.7	5.7	5.9	5.7	5.7	6	5.7	5.6	6	5.7	5.6	4.9	5.6	5.5	4.6	5.5	5.4	200
205	5.4	5.7		5.7	5.7	5.7	5.9	5.6	5.6	5.5	5.6	5.6	4.3	5.6	5.5	4	5.4	5.4	205
210	5.3			5.5	5.7	5.7	5.8	5.6	5.6	5	5.6	5.6	3.8	5.3	5.5	3.5	5.1	5.4	210
215	4.9			5.5	5.7		5.5	5.6	5.6	4.5	5.5	5.6	3.3	4.7	5.3	3	4.5	5.3	215
220				5.4	5.7		5.1	5.6	5.6	4.1	5.1	5.5	2.9	4.1	4.8	2.6	4	4.8	220
225				5.3			4.6	5.3	5.2	3.6	4.6	4.9	2.4	3.6	4.2	2.1	3.4	4.2	225
230							4.2	4.8		3.2	4.1	4.2	2	3.1	3.6	1.7	2.9	3.6	230
235							3.8	4.2		2.8	3.6	3.6	1.6	2.6	3		2.4	3	235
240							3.5			2.5	3.1	2.8		2.2	2.4		2	2.4	240
245										2.1	2.6			1.7	1.8		1.5	1.9	245
250										1.8									250
255										1.4									255

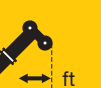
t_242_05010_00_000



Lifting capacities Forces de levage

TNZK

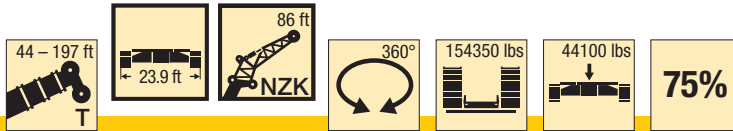


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
18	27.1																		18
19	27			25.4															19
20	26.8			25.3															20
22	26.4			25.1			23.1												22
24	26			24.8			22.9			21.7									24
26	25.5			24.6			22.8			21.6									26
28	25			24.2			22.6			21.5			20						28
30	24.4			23.9			22.4			21.4			19.9						30
32	23.7			23.5			22.1			21.2			19.8			18.8			32
34	22.9			22.8			21.7			21			19.7			18.7			34
36	22			22.2			21.3			20.7			19.5			18.6			36
38	21.2			21.5			20.9			20.4			19.3			18.4			38
40	20.5			20.9			20.4			20			19			18.3			40
45	18.6			19.3			19.1			19			18.3			17.8			45
50	17	13		17.8			17.9			17.9			17.4			17.1			50
55	15.6	12		16.4	12.2		16.7	12.1		16.9			16.6			16.4			55
60	14.2	11.2		15.2	11.4		15.6	11.4		15.9	11.5		15.8			15.7			60
65	12.9	10.5		14.1	10.7		14.5	10.8		15	10.9		15	10.8		15	10.8		65
70	11.7	9.8	8.8	13	10.1		13.6	10.2		14.1	10.4		14.2	10.3		14.3	10.3		70
75	10.7	9.3	8.4	12	9.6	8.5	12.8	9.7		13.3	9.9		13.5	9.9		13.6	9.9		75
80	9.8	8.9	8.1	11	9.2	8.2	11.9	9.3	8.2	12.6	9.5		12.8	9.5		13	9.5		80
85	9.1	8.4	7.8	10.2	8.8	7.9	11.1	9	8	11.8	9.1	8	12.1	9.2	8	12.4	9.2		85
90	8.5	8.1	7.6	9.5	8.4	7.7	10.3	8.6	7.8	11.1	8.8	7.8	11.5	8.9	7.8	11.8	8.9		90
95	7.9	7.8	7.4	8.9	8.1	7.5	9.7	8.3	7.6	10.5	8.5	7.6	10.9	8.6	7.7	11.3	8.7	7.7	95
100	7.5	7.5	7.2	8.4	7.8	7.3	9.1	8	7.4	9.9	8.2	7.5	10.4	8.3	7.5	10.8	8.4	7.5	100
105	7.1	7.2	7.1	7.9	7.6	7.2	8.7	7.8	7.3	9.3	8	7.3	9.9	8.1	7.4	10.3	8.2	7.4	105
110	6.6	7	7.1	7.5	7.3	7.1	8.2	7.5	7.1	8.9	7.8	7.2	9.4	7.9	7.2	9.8	8	7.3	110
115	6.3	6.8	7.1	7.1	7.1	7	7.8	7.3	7.1	8.5	7.5	7.1	9	7.6	7.1	9.4	7.8	7.1	115
120	6	6.8		6.8	6.9	7	7.4	7.1	7	8.1	7.3	7	8.6	7.5	7	9	7.6	7.1	120
125				6.4	6.8	7	7.1	7	7	7.7	7.2	6.9	8.2	7.3	7	8.7	7.4	7	125
130				6.1	6.7		6.8	6.8	7	7.4	7	6.9	7.9	7.1	6.9	8.4	7.2	6.9	130
135				5.9			6.5	6.7	7	7.1	6.9	6.9	7.6	7	6.9	8	7.1	6.9	135
140							6.2	6.7		6.8	6.7	6.9	7.3	6.8	6.9	7.7	7	6.8	140
145							6	6.7		6.5	6.7	6.9	7	6.7	6.9	7.4	6.8	6.8	145
150							5.9			6.3	6.6	6.9	6.8	6.6	6.9	7.2	6.7	6.8	150
155										6.1	6.6		6.5	6.6	6.9	7	6.6	6.8	155
160										5.9	6.6		6.3	6.5	6.9	6.7	6.6	6.8	160
165													6.1	6.5		6.5	6.5	6.8	165
170													6	6.5		6.3	6.5	6.8	170
175													5.8			6.2	6.4	6.8	175
180																6	6.4		180
185																5.9	6.4		185
190																5.8			190

t_242_04000_00_000

Lifting capacities Forces de levage

TNZK

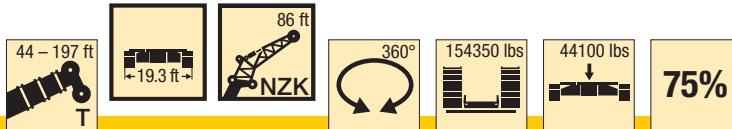


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	17.2			18.2															38
40	17.1			18.1															40
45	16.8			17.8			16.6												45
50	16.3			17.4			16.3			14.6									50
55	15.8			16.9			16			14.4									55
60	15.2			16.3			15.7			14.2			12						60
65	14.6			15.7			15.2			13.9			11.8			10.2			65
70	14			15.1			14.6			13.5			11.6			10.1			70
75	13.4	9.8		14.5	10.3		14.1			13.1			11.5			9.9			75
80	12.9	9.5		13.9	9.9		13.6	9.8		12.7			11.3			9.8			80
85	12.3	9.2		13.3	9.6		13.1	9.5		12.3			11.1			9.6			85
90	11.8	8.9		12.8	9.3		12.6	9.2		11.9	8.9		10.8			9.6			90
95	11.3	8.7	7.6	12.3	9		12.1	8.9		11.6	8.7		10.6	8.4		9.5	8.1		95
100	10.9	8.4	7.5	11.8	8.7	7.6	11.7	8.7	7.6	11.2	8.5		10.3	8.2		9.5	7.9		100
105	10.4	8.2	7.4	11.3	8.5	7.5	11.3	8.5	7.4	10.8	8.3	7.3	10	8		9.3	7.7		105
110	10	8	7.2	10.9	8.3	7.4	10.9	8.3	7.3	10.5	8.1	7.2	9.8	7.8		9.2	7.6		110
115	9.6	7.8	7.1	10.4	8.1	7.2	10.5	8.1	7.2	10.1	7.9	7.1	9.5	7.7	7	9	7.4		115
120	9.3	7.6	7.1	10	7.9	7.2	10.1	7.9	7.1	9.8	7.8	7.1	9.3	7.5	6.9	8.8	7.3	6.8	120
125	9	7.4	7	9.6	7.7	7.1	9.8	7.7	7	9.5	7.6	7	9.1	7.4	6.8	8.7	7.2	6.7	125
130	8.7	7.3	6.9	9.3	7.6	7	9.4	7.5	7	9.2	7.4	6.9	8.8	7.2	6.8	8.5	7.1	6.7	130
135	8.4	7.1	6.9	9.1	7.4	6.9	9.1	7.4	6.9	9	7.3	6.8	8.6	7.1	6.7	8.3	6.9	6.6	135
140	8.1	7	6.8	8.8	7.2	6.8	8.9	7.3	6.8	8.7	7.2	6.7	8.4	7	6.7	8.1	6.8	6.6	140
145	7.8	6.9	6.8	8.5	7.1	6.8	8.6	7.1	6.8	8.5	7	6.7	8.3	6.9	6.6	8	6.7	6.5	145
150	7.5	6.8	6.8	8.2	7	6.8	8.4	7	6.7	8.3	6.9	6.7	8.1	6.8	6.6	7.8	6.6	6.5	150
155	7.3	6.7	6.8	7.9	6.8	6.7	8.2	6.9	6.7	8.1	6.8	6.6	7.9	6.7	6.5	7.7	6.5	6.4	155
160	7.1	6.6	6.8	7.7	6.8	6.7	7.9	6.8	6.7	7.9	6.7	6.6	7.7	6.6	6.5	7.5	6.4	6.4	160
165	6.8	6.5	6.8	7.4	6.6	6.7	7.7	6.6	6.7	7.7	6.6	6.6	7.6	6.5	6.5	7.4	6.4	6.4	165
170	6.7	6.4	6.8	7.2	6.6	6.7	7.5	6.6	6.6	7.5	6.5	6.6	7.4	6.4	6.5	7.2	6.3	6.4	170
175	6.5	6.4	6.8	7	6.5	6.7	7.3	6.5	6.6	7.4	6.4	6.6	7.3	6.3	6.5	7	6.2	6.4	175
180	6.3	6.4	6.8	6.8	6.4	6.7	7.1	6.4	6.6	7.2	6.4	6.6	7.1	6.3	6.5	6.8	6.1	6.4	180
185	6.2	6.4	6.8	6.6	6.4	6.7	6.9	6.3	6.6	7	6.3	6.6	7	6.2	6.5	6.6	6.1	6.4	185
190	6	6.4		6.4	6.3	6.7	6.7	6.3	6.6	6.8	6.2	6.6	6.8	6.1	6.5	6.4	6	6.4	190
195	5.9	6.4		6.3	6.3	6.7	6.5	6.3	6.6	6.7	6.2	6.6	6.7	6.1	6.5	6.1	6	6.4	195
200	5.8			6.1	6.3	6.7	6.4	6.2	6.6	6.5	6.2	6.6	6.6	6.1	6.5	5.9	5.9	6.4	200
205	5.8			6	6.3		6.2	6.2	6.6	6.4	6.1	6.6	6.5	6	6.5	5.7	5.8	6.4	205
210				5.9	6.3		6.1	6.2	6.6	6.2	6.1	6.6	6.3	6	6.5	5.4	5.7	6.2	210
215				5.8	6.3		5.9	6.2	6.6	6.1	6.1	6.6	5.9	6	6.5	5.2	5.5	5.9	215
220				3.7			5.8	6.2		6	6.1	6.5	5.4	6	6.5	5	5.3	5.7	220
225							5.7	5.5		5.8	6	6.3	5	5.8	6.3	4.6	5.1	5.4	225
230							4.8	5.3		5.6	5.8		4.5	5.3	5.7	4.2	4.9	5.2	230
235										5.3	5.6		4.1	4.8	5.1	3.7	4.6	5	235
240										4.5			3.7	4.4	4.5	3.3	4.2	4.6	240
245										2.4			3.3	3.8	3.7	2.9	3.7	4	245
250													2.9	3.4		2.5	3.2	3.3	250
255													1.9	2.9		2.1	2.7	2.7	255
260																1.8	2.3		260

t_242_04000_00_000

Lifting capacities Forces de levage

TNZK

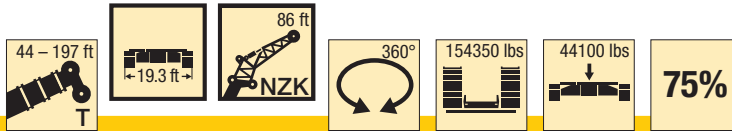


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
18	27.1																		18
19	27			25.4															19
20	26.8			25.3															20
22	26.4			25.1			23.1												22
24	26			24.8			22.9			21.7									24
26	25.5			24.6			22.8			21.6									26
28	25			24.2			22.6			21.5			20						28
30	24.4			23.9			22.4			21.4			19.9						30
32	23.7			23.5			22.1			21.2			19.8			18.8			32
34	22.9			22.8			21.7			21			19.7			18.7			34
36	22			22.2			21.3			20.7			19.5			18.6			36
38	21.2			21.5			20.9			20.4			19.3			18.4			38
40	20.5			20.9			20.4			20			19			18.3			40
45	18.6			19.3			19.1			19			18.3			17.8			45
50	17	13		17.8			17.9			17.9			17.4			17.1			50
55	15.6	12		16.4	12.2		16.7	12.1		16.9			16.6			16.4			55
60	14.2	11.2		15.2	11.4		15.6	11.4		15.9	11.5		15.8			15.7			60
65	12.9	10.5		14.1	10.7		14.5	10.8		15	10.9		15	10.8		15	10.8		65
70	11.7	9.8	8.8	13	10.1		13.6	10.2		14.1	10.4		14.2	10.3		14.3	10.3		70
75	10.7	9.3	8.4	12	9.6	8.5	12.8	9.7		13.3	9.9		13.5	9.9		13.6	9.9		75
80	9.8	8.9	8.1	11	9.2	8.2	11.9	9.3	8.2	12.6	9.5		12.8	9.5		13	9.5		80
85	9.1	8.4	7.8	10.2	8.8	7.9	11.1	9	8	11.8	9.1	8	12.1	9.2	8	12.4	9.2		85
90	8.5	8.1	7.6	9.5	8.4	7.7	10.3	8.6	7.8	11.1	8.8	7.8	11.5	8.9	7.8	11.8	8.9		90
95	7.9	7.8	7.4	8.9	8.1	7.5	9.7	8.3	7.6	10.5	8.5	7.6	10.9	8.6	7.7	11.3	8.7	7.7	95
100	7.5	7.5	7.2	8.4	7.8	7.3	9.1	8	7.4	9.9	8.2	7.5	10.4	8.3	7.5	10.8	8.4	7.5	100
105	7.1	7.2	7.1	7.9	7.6	7.2	8.7	7.8	7.3	9.3	8	7.3	9.9	8.1	7.4	10.3	8.2	7.4	105
110	6.6	7	7.1	7.5	7.3	7.1	8.2	7.5	7.1	8.9	7.8	7.2	9.4	7.9	7.2	9.8	8	7.3	110
115	6.3	6.8	7.1	7.1	7.1	7	7.8	7.3	7.1	8.5	7.5	7.1	9	7.6	7.1	9.4	7.8	7.1	115
120	6	6.8		6.8	6.9	7	7.4	7.1	7	8.1	7.3	7	8.6	7.5	7	9	7.6	7.1	120
125				6.4	6.8	7	7.1	7	7	7.7	7.2	6.9	8.2	7.3	7	8.7	7.4	7	125
130				6.1	6.7		6.8	6.8	7	7.4	7	6.9	7.9	7.1	6.9	8.4	7.2	6.9	130
135				5.9			6.5	6.7	7	7.1	6.9	6.9	7.6	7	6.9	8	7.1	6.9	135
140							6.2	6.7		6.8	6.7	6.9	7.3	6.8	6.9	7.7	7	6.8	140
145							6	6.7		6.5	6.7	6.9	7	6.7	6.9	7.4	6.8	6.8	145
150							5.9			6.3	6.6	6.9	6.8	6.6	6.9	7.2	6.7	6.8	150
155										6.1	6.6		6.5	6.6	6.9	7	6.6	6.8	155
160										5.9	6.6		6.3	6.5	6.9	6.7	6.6	6.8	160
165													6.1	6.5		6.5	6.5	6.8	165
170													6	6.5		6.3	6.5	6.8	170
175													5.8			6.2	6.4	6.8	175
180																6	6.4		180
185																5.9	6.4		185
190																5.8			190

t_242_04010_00_000

Lifting capacities Forces de levage

TNZK

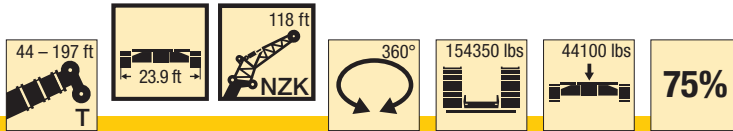


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	17.2			18.2															38
40	17.1			18.1															40
45	16.8			17.8			16.6												45
50	16.3			17.4			16.3			14.6									50
55	15.8			16.9			16			14.4									55
60	15.2			16.3			15.7			14.2			12						60
65	14.6			15.7			15.2			13.9			11.8			10.2			65
70	14			15.1			14.6			13.5			11.6			10.1			70
75	13.4	9.8		14.5	10.3		14.1			13.1			11.5			9.9			75
80	12.9	9.5		13.9	9.9		13.6	9.8		12.7			11.3			9.8			80
85	12.3	9.2		13.3	9.6		13.1	9.5		12.3			11.1			9.6			85
90	11.8	8.9		12.8	9.3		12.6	9.2		11.9	8.9		10.8			9.6			90
95	11.3	8.7	7.6	12.3	9		12.1	8.9		11.6	8.7		10.6	8.4		9.5	8.1		95
100	10.9	8.4	7.5	11.8	8.7	7.6	11.7	8.7	7.6	11.2	8.5		10.3	8.2		9.5	7.9		100
105	10.4	8.2	7.4	11.3	8.5	7.5	11.3	8.5	7.4	10.8	8.3	7.3	10	8		9.3	7.7		105
110	10	8	7.2	10.9	8.3	7.4	10.9	8.3	7.3	10.5	8.1	7.2	9.8	7.8		9.2	7.6		110
115	9.6	7.8	7.1	10.4	8.1	7.2	10.5	8.1	7.2	10.1	7.9	7.1	9.5	7.7	7	9	7.4		115
120	9.3	7.6	7.1	10	7.9	7.2	10.1	7.9	7.1	9.8	7.8	7.1	9.3	7.5	6.9	8.8	7.3	6.8	120
125	9	7.4	7	9.6	7.7	7.1	9.8	7.7	7	9.5	7.6	7	9.1	7.4	6.8	8.7	7.2	6.7	125
130	8.7	7.3	6.9	9.3	7.6	7	9.4	7.5	7	9.2	7.4	6.9	8.8	7.2	6.8	8.5	7.1	6.7	130
135	8.4	7.1	6.9	9.1	7.4	6.9	9.1	7.4	6.9	9	7.3	6.8	8.6	7.1	6.7	8.3	6.9	6.6	135
140	8.1	7	6.8	8.8	7.2	6.8	8.9	7.3	6.8	8.7	7.2	6.7	8.4	7	6.7	8.1	6.8	6.6	140
145	7.8	6.9	6.8	8.5	7.1	6.8	8.6	7.1	6.8	8.5	7	6.7	8.3	6.9	6.6	8	6.7	6.5	145
150	7.5	6.8	6.8	8.2	7	6.8	8.4	7	6.7	8.3	6.9	6.7	8.1	6.8	6.6	7.8	6.6	6.5	150
155	7.3	6.7	6.8	7.9	6.8	6.7	8.2	6.9	6.7	8.1	6.8	6.6	7.9	6.7	6.5	7.7	6.5	6.4	155
160	7.1	6.6	6.8	7.7	6.8	6.7	7.9	6.8	6.7	7.9	6.7	6.6	7.7	6.6	6.5	7.5	6.4	6.4	160
165	6.8	6.5	6.8	7.4	6.6	6.7	7.7	6.6	6.7	7.7	6.6	6.6	7.6	6.5	6.5	7.4	6.4	6.4	165
170	6.7	6.4	6.8	7.2	6.6	6.7	7.5	6.6	6.6	7.5	6.5	6.6	7.4	6.4	6.5	7.2	6.3	6.4	170
175	6.5	6.4	6.8	7	6.5	6.7	7.2	6.5	6.6	7.2	6.4	6.6	7.2	6.3	6.5	6.8	6.2	6.4	175
180	6.3	6.4	6.8	6.8	6.4	6.7	7	6.4	6.6	7.1	6.4	6.6	6.7	6.3	6.5	6.2	6.1	6.4	180
185	6.2	6.4	6.8	6.6	6.4	6.7	6.8	6.3	6.6	6.9	6.3	6.6	6	6.2	6.5	5.6	6.1	6.4	185
190	6	6.4		6.4	6.3	6.7	6.5	6.3	6.6	6.6	6.2	6.6	5.4	6.1	6.5	5.1	6	6.4	190
195	5.9	6.4		6.1	6.3	6.7	6.4	6.2	6.6	6	6.2	6.6	4.8	6	6.5	4.5	6	6.4	195
200	5.8			6	6.3	6.7	6.2	6.2	6.6	5.5	6.1	6.6	4.2	5.7	6.4	3.9	5.4	6.4	200
205	5.8			5.9	6.3		5.9	6.2	6.6	4.9	6	6.6	3.7	5	6.1	3.4	4.8	6	205
210				5.8	6.3		5.5	6.2	6.5	4.4	5.5	6.1	3.2	4.5	5.4	2.9	4.3	5.3	210
215				5.8	6.3		5	5.7	5.8	4	4.9	5.4	2.8	3.9	4.7	2.4	3.7	4.7	215
220				3.7			4.6	5.1		3.5	4.4	4.7	2.3	3.4	4	2	3.2	4	220
225							4.2	4.6		3.1	3.9	4	1.9	2.8	3.4	1.4	2.7	3.4	225
230							3.8	4.1		2.7	3.4		1.4	2.4	2.8		2.2	2.8	230
235										2.4	2.9			1.9	2.2		1.7	2.2	235
240										2				1.4	1.5			1.6	240
245										1.7									245

t_242_04010_00_000

Lifting capacities Forces de levage

TNZK

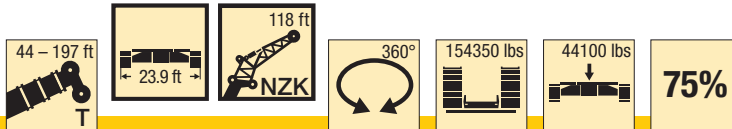


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	12.2																		22
24	12.6																		24
26	12.8			12															26
28	12.7			12.2			11.3												28
30	12.7			12.1			11.3												30
32	12.5			12			11.3			10.8									32
34	12.4			12			11.2			10.8									34
36	12.3			11.9			11.2			10.7			10.1						36
38	12.1			11.7			11.1			10.7			10.1			9.7			38
40	11.9			11.6			11			10.6			10			9.7			40
45	11.4			11.2			10.7			10.4			9.9			9.6			45
50	10.9			10.8			10.4			10.2			9.7			9.5			50
55	10.3			10.3			10			9.8			9.5			9.3			55
60	9.7			9.8			9.6			9.5			9.2			9.1			60
65	9.1	7.6		9.3			9.2			9.2			9			8.8			65
70	8.6	7.2		8.8			8.8			8.9			8.7			8.6			70
75	8.1	6.8		8.4	6.9		8.4			8.5			8.4			8.3			75
80	7.6	6.5		7.9	6.5		8	6.5		8.2	6.5		8.1			8.1			80
85	7.2	6.1		7.5	6.2		7.7	6.2		7.8	6.2		7.8	6.2		7.8	6.2		85
90	6.8	5.8		7.1	5.9		7.3	6		7.5	6		7.5	6		7.6	6		90
95	6.4	5.6		6.8	5.7		7	5.7		7.2	5.8		7.2	5.8		7.3	5.8		95
100	6.1	5.3	4.5	6.4	5.4		6.7	5.5		6.9	5.6		6.9	5.6		7	5.6		100
105	5.7	5.1	4.4	6.1	5.2	4.4	6.4	5.3	4.4	6.6	5.4		6.7	5.4		6.8	5.4		105
110	5.4	4.8	4.2	5.8	5	4.3	6.1	5.1	4.3	6.3	5.2		6.4	5.2		6.6	5.2		110
115	5.1	4.6	4.1	5.5	4.8	4.2	5.8	4.9	4.2	6.1	5	4.2	6.2	5	4.2	6.3	5.1		115
120	4.8	4.4	4	5.3	4.6	4	5.6	4.7	4.1	5.8	4.9	4.1	6	4.9	4.1	6.1	4.9	4	120
125	4.5	4.3	3.9	5	4.5	4	5.3	4.6	4	5.6	4.7	4	5.8	4.7	4	5.9	4.8	4	125
130	4.3	4.1	3.8	4.8	4.3	3.8	5.1	4.4	3.9	5.4	4.5	3.9	5.5	4.6	3.9	5.7	4.7	3.9	130
135	4.1	4	3.7	4.5	4.2	3.8	4.9	4.3	3.8	5.2	4.4	3.8	5.3	4.5	3.8	5.5	4.5	3.8	135
140	3.8	3.9	3.7	4.3	4	3.7	4.7	4.2	3.7	5	4.3	3.8	5.2	4.3	3.7	5.3	4.4	3.8	140
145	3.6	3.8	3.7	4.1	3.9	3.7	4.5	4	3.7	4.8	4.2	3.7	5	4.2	3.7	5.2	4.3	3.7	145
150	3.5	3.7		3.9	3.8	3.7	4.3	4	3.6	4.6	4	3.7	4.8	4.1	3.6	5	4.2	3.6	150
155				3.7	3.7		4.1	3.9	3.6	4.5	3.9	3.6	4.7	4	3.6	4.8	4.1	3.6	155
160				3.5	3.7		3.9	3.8	3.6	4.3	3.9	3.6	4.5	3.9	3.6	4.7	4	3.6	160
165				3.4	3.7		3.8	3.7	3.6	4.1	3.8	3.6	4.4	3.8	3.6	4.5	3.9	3.5	165
170							3.6	3.6		3.9	3.7	3.6	4.2	3.8	3.6	4.4	3.8	3.5	170
175							3.5	3.6		3.8	3.6	3.6	4.1	3.7	3.6	4.3	3.7	3.5	175
180							3.4			3.7	3.6	3.6	3.9	3.6	3.6	4.2	3.7	3.5	180
185										3.5	3.6		3.8	3.6	3.6	4	3.6	3.5	185
190										3.4	3.6		3.7	3.6	3.6	3.9	3.6	3.5	190
195										3.3			3.6	3.6		3.8	3.5	3.5	195
200													3.4	3.6		3.7	3.5	3.5	200
205													3.4			3.6	3.5	3.5	205
210													3.3			3.5	3.5		210
215																3.4	3.5		215
220																3.3	3.5		220

t_242_06000_00_000

Lifting capacities Forces de levage

TNZK

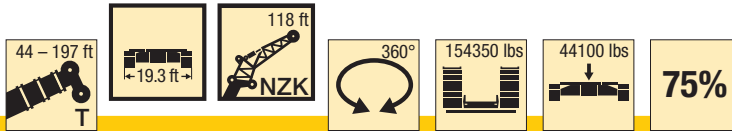


	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
45	9.1			9.5															45
50	9			9.4															50
55	8.9			9.3			8.9			8.2									55
60	8.8			9.2			8.8			8.1			7.4						60
65	8.6			9			8.7			8.1			7.3			6.7			65
70	8.4			8.8			8.5			8			7.2			6.6			70
75	8.1			8.6			8.3			7.8			7.1			6.6			75
80	7.9			8.3			8.1			7.6			7			6.5			80
85	7.7			8.1			7.9			7.5			6.9			6.4			85
90	7.5			7.9			7.7			7.3			6.8			6.3			90
95	7.2	5.7		7.7	5.9		7.5			7.1			6.7			6.2			95
100	7	5.6		7.4	5.8		7.3	5.7		7			6.5			6.1			100
105	6.8	5.4		7.2	5.6		7.1	5.5		6.8	5.4		6.4			6			105
110	6.6	5.2		7	5.4		6.9	5.4		6.6	5.2		6.2	5		5.9	4.8		110
115	6.3	5.1		6.7	5.3		6.7	5.2		6.4	5.1		6.1	4.9		5.7	4.7		115
120	6.2	4.9		6.5	5.1		6.5	5.1		6.3	5		5.9	4.8		5.6	4.6		120
125	6	4.8	3.9	6.3	5	4	6.3	4.9	4	6.1	4.9		5.8	4.7		5.5	4.5		125
130	5.8	4.7	3.9	6.1	4.9	3.9	6.1	4.8	3.9	5.9	4.7		5.7	4.6		5.4	4.4		130
135	5.6	4.6	3.8	5.9	4.7	3.9	6	4.7	3.8	5.8	4.6	3.8	5.5	4.5		5.3	4.3		135
140	5.4	4.4	3.7	5.8	4.6	3.8	5.8	4.6	3.8	5.6	4.5	3.7	5.4	4.4	3.6	5.2	4.2		140
145	5.2	4.3	3.7	5.6	4.5	3.7	5.6	4.5	3.7	5.5	4.4	3.7	5.3	4.3	3.6	5.1	4.2	3.5	145
150	5.1	4.2	3.6	5.4	4.4	3.7	5.5	4.4	3.7	5.3	4.3	3.6	5.2	4.2	3.5	5	4.1	3.5	150
155	4.9	4.1	3.6	5.2	4.3	3.6	5.3	4.3	3.6	5.2	4.2	3.6	5	4.1	3.5	4.9	4	3.4	155
160	4.8	4	3.5	5.1	4.2	3.6	5.2	4.2	3.6	5.1	4.1	3.5	4.9	4	3.4	4.7	3.9	3.4	160
165	4.7	3.9	3.5	4.9	4.1	3.5	5	4.1	3.5	5	4.1	3.5	4.8	4	3.4	4.7	3.9	3.4	165
170	4.5	3.9	3.5	4.8	4	3.5	4.9	4	3.5	4.8	4	3.4	4.7	3.9	3.4	4.6	3.8	3.3	170
175	4.4	3.8	3.5	4.7	3.9	3.5	4.7	3.9	3.5	4.7	3.9	3.4	4.6	3.8	3.4	4.5	3.7	3.3	175
180	4.3	3.7	3.5	4.5	3.8	3.5	4.6	3.9	3.4	4.6	3.8	3.4	4.5	3.8	3.3	4.4	3.7	3.3	180
185	4.2	3.7	3.5	4.4	3.8	3.4	4.5	3.8	3.4	4.5	3.8	3.3	4.4	3.7	3.3	4.3	3.6	3.3	185
190	4.1	3.6	3.5	4.3	3.7	3.4	4.4	3.7	3.4	4.4	3.7	3.3	4.3	3.6	3.3	4.2	3.6	3.2	190
195	4	3.6	3.5	4.2	3.6	3.4	4.3	3.7	3.4	4.3	3.6	3.3	4.2	3.6	3.3	4.1	3.5	3.2	195
200	3.9	3.5	3.5	4.1	3.6	3.4	4.2	3.6	3.4	4.2	3.6	3.3	4.1	3.5	3.3	4	3.5	3.2	200
205	3.8	3.5	3.5	4	3.5	3.4	4.1	3.6	3.4	4.1	3.5	3.3	4	3.5	3.3	3.9	3.4	3.2	205
210	3.7	3.4	3.5	3.9	3.5	3.4	4	3.5	3.4	4	3.5	3.3	3.9	3.4	3.3	3.9	3.4	3.2	210
215	3.6	3.4	3.5	3.8	3.5	3.4	3.9	3.5	3.4	3.9	3.4	3.3	3.9	3.4	3.3	3.8	3.3	3.2	215
220	3.5	3.4		3.7	3.4	3.4	3.8	3.4	3.4	3.8	3.4	3.3	3.8	3.3	3.3	3.7	3.3	3.2	220
225	3.4	3.4		3.6	3.4	3.4	3.7	3.4	3.4	3.7	3.4	3.3	3.7	3.3	3.3	3.7	3.3	3.2	225
230	3.3	3.4		3.5	3.4	3.4	3.6	3.4	3.4	3.7	3.3	3.3	3.6	3.3	3.3	3.6	3.2	3.2	230
235	3.3			3.5	3.4		3.6	3.4	3.4	3.6	3.3	3.3	3.6	3.3	3.3	3.5	3.2	3.2	235
240				3.4	3.4		3.5	3.4	3.4	3.5	3.3	3.3	3.5	3.2	3.3	3.5	3.2	3.2	240
245				3.3			3.5	3.4		3.5	3.3	3.3	3.5	3.2	3.3	3.3	3.2	3.2	245
250				3.2			3.4	3.4		3.4	3.3	3.3	3.4	3.2	3.3	3	3.2	3.2	250
255							3.3	3.4		3.4	3.3	3.3	3.1	3.2	3.3	2.7	3.2	3.2	255
260							3.2			3.3	3.3	3.3	2.7	3.2	3.3	2.3	3.2	3.2	260
265										3.3	3.3		2.3	3.2	3.2	1.9	3	3.2	265
270										3.1	3.3		2	2.8	2.7	1.6	2.6	2.9	270
275													1.7	2.4			2.2	2.3	275
280													1.4	1.9			1.8	1.8	280

t_242_06000_00_000

Lifting capacities Forces de levage

TNZK

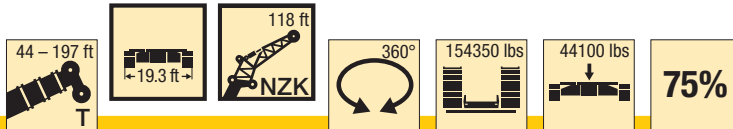


	44 ft			58 ft			72 ft			86 ft			100 ft			114 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	12.2																		22
24	12.6																		24
26	12.8			12															26
28	12.7			12.2			11.3												28
30	12.7			12.1			11.3												30
32	12.5			12			11.3			10.8									32
34	12.4			12			11.2			10.8									34
36	12.3			11.9			11.2			10.7			10.1						36
38	12.1			11.7			11.1			10.7			10.1			9.7			38
40	11.9			11.6			11			10.6			10			9.7			40
45	11.4			11.2			10.7			10.4			9.9			9.6			45
50	10.9			10.8			10.4			10.2			9.7			9.5			50
55	10.3			10.3			10			9.8			9.5			9.3			55
60	9.7			9.8			9.6			9.5			9.2			9.1			60
65	9.1	7.6		9.3			9.2			9.2			9			8.8			65
70	8.6	7.2		8.8			8.8			8.9			8.7			8.6			70
75	8.1	6.8		8.4	6.9		8.4			8.5			8.4			8.3			75
80	7.6	6.5		7.9	6.5		8	6.5		8.2	6.5		8.1			8.1			80
85	7.2	6.1		7.5	6.2		7.7	6.2		7.8	6.2		7.8	6.2		7.8	6.2		85
90	6.8	5.8		7.1	5.9		7.3	6		7.5	6		7.5	6		7.6	6		90
95	6.4	5.6		6.8	5.7		7	5.7		7.2	5.8		7.2	5.8		7.3	5.8		95
100	6.1	5.3	4.5	6.4	5.4		6.7	5.5		6.9	5.6		6.9	5.6		7	5.6		100
105	5.7	5.1	4.4	6.1	5.2	4.4	6.4	5.3	4.4	6.6	5.4		6.7	5.4		6.8	5.4		105
110	5.4	4.8	4.2	5.8	5	4.3	6.1	5.1	4.3	6.3	5.2		6.4	5.2		6.6	5.2		110
115	5.1	4.6	4.1	5.5	4.8	4.2	5.8	4.9	4.2	6.1	5	4.2	6.2	5	4.2	6.3	5.1		115
120	4.8	4.4	4	5.3	4.6	4	5.6	4.7	4.1	5.8	4.9	4.1	6	4.9	4.1	6.1	4.9	4	120
125	4.5	4.3	3.9	5	4.5	4	5.3	4.6	4	5.6	4.7	4	5.8	4.7	4	5.9	4.8	4	125
130	4.3	4.1	3.8	4.8	4.3	3.8	5.1	4.4	3.9	5.4	4.5	3.9	5.5	4.6	3.9	5.7	4.7	3.9	130
135	4.1	4	3.7	4.5	4.2	3.8	4.9	4.3	3.8	5.2	4.4	3.8	5.3	4.5	3.8	5.5	4.5	3.8	135
140	3.8	3.9	3.7	4.3	4	3.7	4.7	4.2	3.7	5	4.3	3.8	5.2	4.3	3.7	5.3	4.4	3.8	140
145	3.6	3.8	3.7	4.1	3.9	3.7	4.5	4	3.7	4.8	4.2	3.7	5	4.2	3.7	5.2	4.3	3.7	145
150	3.5	3.7		3.9	3.8	3.7	4.3	4	3.6	4.6	4	3.7	4.8	4.1	3.6	5	4.2	3.6	150
155				3.7	3.7		4.1	3.9	3.6	4.5	3.9	3.6	4.7	4	3.6	4.8	4.1	3.6	155
160				3.5	3.7		3.9	3.8	3.6	4.3	3.9	3.6	4.5	3.9	3.6	4.7	4	3.6	160
165				3.4	3.7		3.8	3.7	3.6	4.1	3.8	3.6	4.4	3.8	3.6	4.5	3.9	3.5	165
170							3.6	3.6		3.9	3.7	3.6	4.2	3.8	3.6	4.4	3.8	3.5	170
175							3.5	3.6		3.8	3.6	3.6	4.1	3.7	3.6	4.3	3.7	3.5	175
180							3.4			3.7	3.6	3.6	3.9	3.6	3.6	4.2	3.7	3.5	180
185										3.5	3.6		3.8	3.6	3.6	4	3.6	3.5	185
190										3.4	3.6		3.7	3.6	3.6	3.9	3.6	3.5	190
195										3.3			3.6	3.6		3.8	3.5	3.5	195
200													3.4	3.6		3.7	3.5	3.5	200
205													3.4			3.6	3.5	3.5	205
210													3.3			3.5	3.5		210
215																3.4	3.5		215
220																3.3	3.5		220

t_242_06010_00_000

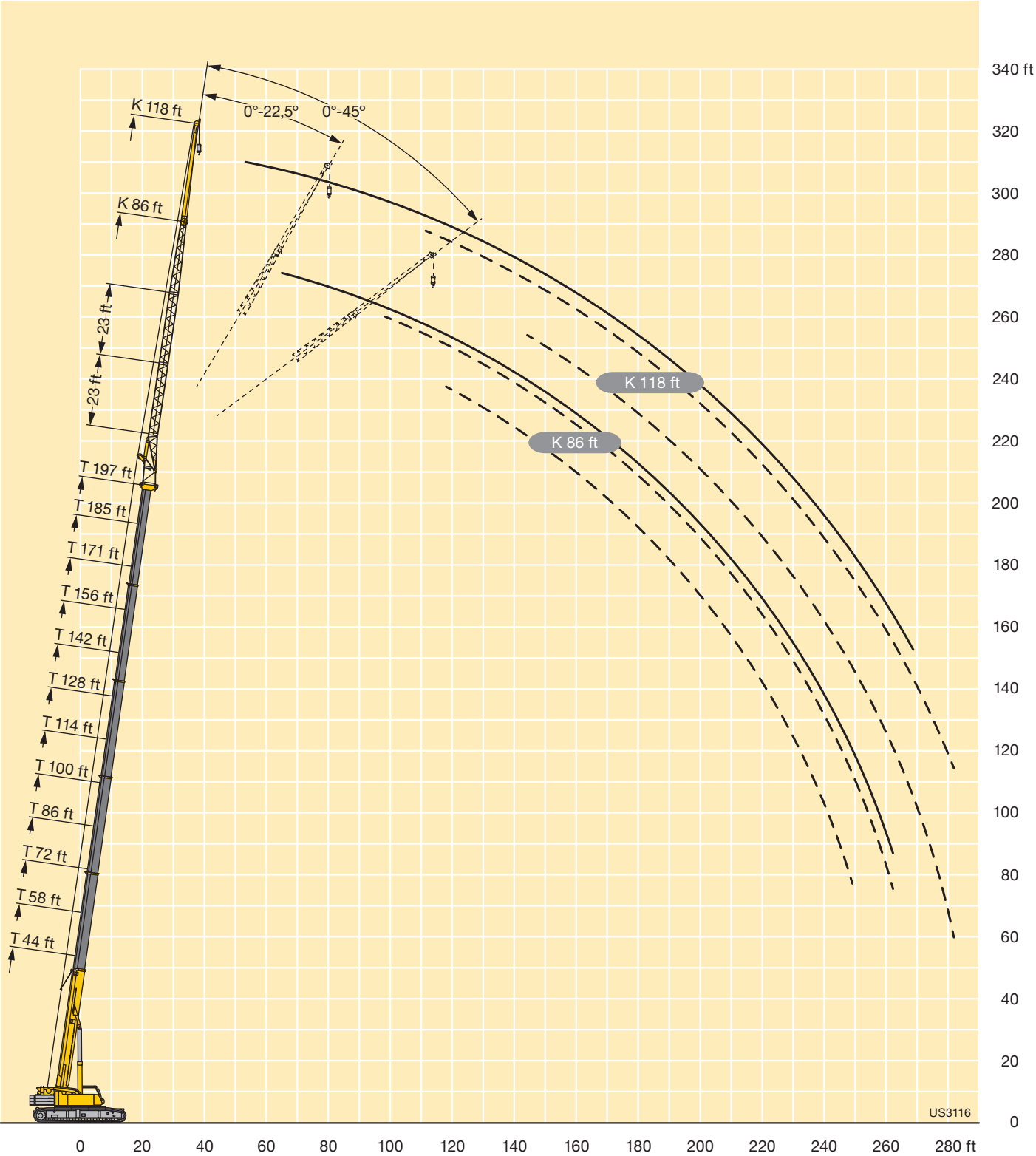
Lifting capacities Forces de levage

TNZK



	128 ft			142 ft			156 ft			171 ft			185 ft			197 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
45	9.1			9.5															45
50	9			9.4															50
55	8.9			9.3			8.9			8.2									55
60	8.8			9.2			8.8			8.1			7.4						60
65	8.6			9			8.7			8.1			7.3			6.7			65
70	8.4			8.8			8.5			8			7.2			6.6			70
75	8.1			8.6			8.3			7.8			7.1			6.6			75
80	7.9			8.3			8.1			7.6			7			6.5			80
85	7.7			8.1			7.9			7.5			6.9			6.4			85
90	7.5			7.9			7.7			7.3			6.8			6.3			90
95	7.2	5.7		7.7	5.9		7.5			7.1			6.7			6.2			95
100	7	5.6		7.4	5.8		7.3	5.7		7			6.5			6.1			100
105	6.8	5.4		7.2	5.6		7.1	5.5		6.8	5.4		6.4			6			105
110	6.6	5.2		7	5.4		6.9	5.4		6.6	5.2		6.2	5		5.9	4.8		110
115	6.3	5.1		6.7	5.3		6.7	5.2		6.4	5.1		6.1	4.9		5.7	4.7		115
120	6.2	4.9		6.5	5.1		6.5	5.1		6.3	5		5.9	4.8		5.6	4.6		120
125	6	4.8	3.9	6.3	5	4	6.3	4.9	4	6.1	4.9		5.8	4.7		5.5	4.5		125
130	5.8	4.7	3.9	6.1	4.9	3.9	6.1	4.8	3.9	5.9	4.7		5.7	4.6		5.4	4.4		130
135	5.6	4.6	3.8	5.9	4.7	3.9	6	4.7	3.8	5.8	4.6	3.8	5.5	4.5		5.3	4.3		135
140	5.4	4.4	3.7	5.8	4.6	3.8	5.8	4.6	3.8	5.6	4.5	3.7	5.4	4.4	3.6	5.2	4.2		140
145	5.2	4.3	3.7	5.6	4.5	3.7	5.6	4.5	3.7	5.5	4.4	3.7	5.3	4.3	3.6	5.1	4.2	3.5	145
150	5.1	4.2	3.6	5.4	4.4	3.7	5.5	4.4	3.7	5.3	4.3	3.6	5.2	4.2	3.5	5	4.1	3.5	150
155	4.9	4.1	3.6	5.2	4.3	3.6	5.3	4.3	3.6	5.2	4.2	3.6	5	4.1	3.5	4.9	4	3.4	155
160	4.8	4	3.5	5.1	4.2	3.6	5.2	4.2	3.6	5.1	4.1	3.5	4.9	4	3.4	4.7	3.9	3.4	160
165	4.7	3.9	3.5	4.9	4.1	3.5	5	4.1	3.5	5	4.1	3.5	4.8	4	3.4	4.7	3.9	3.4	165
170	4.5	3.9	3.5	4.8	4	3.5	4.9	4	3.5	4.8	4	3.4	4.7	3.9	3.4	4.6	3.8	3.3	170
175	4.4	3.8	3.5	4.7	3.9	3.5	4.7	3.9	3.5	4.7	3.9	3.4	4.6	3.8	3.4	4.5	3.7	3.3	175
180	4.3	3.7	3.5	4.5	3.8	3.5	4.6	3.9	3.4	4.6	3.8	3.4	4.5	3.8	3.3	4.4	3.7	3.3	180
185	4.2	3.7	3.5	4.4	3.8	3.4	4.5	3.8	3.4	4.5	3.8	3.3	4.4	3.7	3.3	4.3	3.6	3.3	185
190	4.1	3.6	3.5	4.3	3.7	3.4	4.4	3.7	3.4	4.4	3.7	3.3	4.3	3.6	3.3	4.2	3.6	3.2	190
195	4	3.6	3.5	4.2	3.6	3.4	4.3	3.7	3.4	4.3	3.6	3.3	4.2	3.6	3.3	4.1	3.5	3.2	195
200	3.9	3.5	3.5	4.1	3.6	3.4	4.2	3.6	3.4	4.2	3.6	3.3	4.1	3.5	3.3	4	3.5	3.2	200
205	3.8	3.5	3.5	4	3.5	3.4	4.1	3.6	3.4	4.1	3.5	3.3	4	3.5	3.3	3.8	3.4	3.2	205
210	3.7	3.4	3.5	3.9	3.5	3.4	3.9	3.5	3.4	3.9	3.5	3.3	3.9	3.4	3.3	3.5	3.4	3.2	210
215	3.6	3.4	3.5	3.8	3.5	3.4	3.9	3.5	3.4	3.8	3.4	3.3	3.5	3.4	3.3	3	3.3	3.2	215
220	3.5	3.4		3.7	3.4	3.4	3.8	3.4	3.4	3.8	3.4	3.3	3	3.3	3.3	2.6	3.3	3.2	220
225	3.4	3.4		3.6	3.4	3.4	3.7	3.4	3.4	3.7	3.4	3.3	2.6	3.3	3.3	2.2	3.3	3.2	225
230	3.3	3.4		3.5	3.4	3.4	3.6	3.4	3.4	3.3	3.3	3.3	2.1	3.3	3.3	1.7	3.2	3.2	230
235	3.3			3.4	3.4		3.5	3.4	3.4	2.9	3.3	3.3	1.7	3.2	3.3		2.9	3.2	235
240				3.3	3.4		3.4	3.4	3.4	2.5	3.3	3.3		2.8	3.3		2.5	3.2	240
245				3.3			3.1	3.4		2.2	3.2	3.3		2.3	3		2.1	2.9	245
250				3.2			2.8	3.3		1.8	2.8	3		1.9	2.4		1.6	2.4	250
255							2.5	3		1.5	2.3	2.4		1.3	1.9			1.9	255
260							2.2				1.9	1.7							260
265											1.5								265

t_242_06010_00_000



Lifting capacities Forces de levage

TVNZK



 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
11	46.1																		11
12	46.1																		12
13	46.1																		13
14	46.1			46.1															14
15	46.1			46.1															15
16	46.1			46.1															16
17	46.1			46.1															17
18	46.1			46.1															18
19	46.1			46.1			44.5												19
20	46.1			46.1			44.4												20
22	46.1			46.1			44.3			40.6									22
24	46.1			46.1			44.1			40.6									24
26	46.1	37.8		45.9			43.8			40.5			36						26
28	45.4	36.3		45.1			43			40.3			36						28
30	43.6	34.9		44	35.9		41.8			40.1			35.9			33.3			30
32	41.8	33.6		42.5	34.7		40.7			39.5			35.8			33.3			32
34	40.1	32.4		41	33.5		39.5			38.6			35.5			33.2			34
36	38.4	31.3	23.2	39.6	32.5		38.4	32.4		37.7			35.2			33.1			36
38	36.8	30.3	23.2	38.2	31.5		37.2	31.6		36.8			34.6			32.9			38
40	35.3	29.4	23.2	36.8	30.5	23.2	36.1	30.7		35.8	30.4		33.9			32.6			40
45	32.1	27.3	22.7	33.7	28.4	23.1	33.5	28.8	23.2	33.5	28.7		32.1	27.8		31.3	27.2		45
50	29.1	25.4	21.8	31.1	26.7	22.3	30.8	27	22.5	31.5	27.1		30.1	26.5		29.8	26.1		50
55	26.7	23.9	21	28.7	25.2	21.5	28.2	25.2	21.8	29.5	25.7	22.1	27.9	25.2	22.2	28.2	25		55
60	24.5	22.4	20.3	26.6	23.7	20.8	26.1	23.5	21.1	27.5	24.3	21.4	25.9	24.1	21.6	26.5	23.9	21.5	60
65	22.6	20.8	19.8	24.7	22.2	20.3	24	22	20.6	25.7	22.8	20.9	24.1	22.8	21	24.8	23	20.9	65
70	20.8	19.4	19.2	23	20.9	19.8	22.3	20.6	19.8	24	21.6	20.3	22.4	21.5	20.3	23.2	21.9	20.2	70
75	19.3	18.1	18.3	21.5	19.6	19.2	20.6	19.3	18.9	22.4	20.4	19.5	21	20.1	19.5	21.9	20.7	19.6	75
80	17.9	17	17.4	20.1	18.5	18.5	19.2	18.2	17.9	21	19.3	18.6	19.7	18.9	18.7	20.6	19.6	18.9	80
85	16.7	16	16.6	18.8	17.5	17.6	18	17.2	17	19.7	18.3	17.8	18.4	17.9	17.7	19.5	18.5	18.2	85
90	15.5	15.1	15.6	17.6	16.6	16.9	16.8	16.3	16.2	18.6	17.4	17	17.3	16.9	16.8	18.4	17.6	17.3	90
95	14.5	14.4		16.6	15.8	16.2	15.8	15.4	15.5	17.5	16.6	16.3	16.3	15.9	15.9	17.3	16.7	16.5	95
100				15.7	15.1	12.1	14.9	14.6	14.8	16.6	15.9	15.7	15.4	15	15.1	16.4	15.9	15.7	100
105				14.8	14.5		14	13.8	14.1	15.7	15.2	15.1	14.5	14.2	14.3	15.6	15.1	15	105
110				14	13.9		13.3	13.1	13.4	14.9	14.5	14.6	13.7	13.5	13.6	14.8	14.4	14.4	110
115							12.6	12.5		14.2	13.9	14	13	12.8	13	14.1	13.7	13.7	115
120							11.9	11.9		13.5	13.3		12.3	12.2	12.4	13.4	13.1	13.2	120
125							11.4	11.5		12.9	12.7		11.7	11.6	11.8	12.8	12.5	12.6	125
130										12.4	12.3		11.1	11.1	11.2	12.2	12	12.1	130
135										11.9	11.9		10.6	10.5		11.7	11.5	11.6	135
140										11.5			10.1	10.1		11.2	11	11.2	140
145													9.7	9.7		10.7	10.6	10.7	145
150													9.4	9.4		10.3	10.2		150
155													9.1			9.9	9.9		155
160																9.6	9.6		160
165																9.4	9.4		165
170																5.1			170

t_242_01400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 23.9 ft  23 ft  V 40 ft  NZK 360°  154350 lbs  44100 lbs  75% 																																					
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft																		
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft																					
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°																			
36	30																		36																		
38	29.9																		38																		
40	29.8			27.8															40																		
45	29.3			27.5			25.1			22.8									45																		
50	28.3			27.2			25			22.7									50																		
55	27.2	24.1		26.4			24.8			22.6			18.9			16.5			55																		
60	25.9	23.3		25.4	22.8		24.2	21.2		22.5			18.8			16.4			60																		
65	24.5	22.4	20.3	24.4	22.1	20	23.5	20.7		22.2	19.8		18.8	18.6		16.4			65																		
70	23.2	21.6	19.8	23.3	21.4	19.4	22.6	20.1		21.8	19.3		18.6	18.3		16.4			70																		
75	21.9	20.6	19.2	22.1	20.6	18.9	21.7	19.6	18.3	21.2	18.9	17.3	18.4	17.9		16.3	16.2		75																		
80	20.7	19.6	18.6	21	19.7	18.4	20.8	18.9	17.8	20.6	18.4	16.8	18	17.6	15.7	16.2	15.8		80																		
85	19.5	18.7	18	20	18.8	18	19.8	18.2	17.2	19.7	17.9	16.4	17.6	17.2	15.4	15.8	15.4	13.9	85																		
90	18.4	17.8	17.2	18.9	18	17.3	18.9	17.5	16.8	18.9	17.3	16	17.2	16.8	15.1	15.3	14.9	13.6	90																		
95	17.4	16.9	16.5	18	17.2	16.6	18	16.8	16.3	18	16.7	15.6	16.8	16.3	14.7	14.8	14.4	13.4	95																		
100	16.4	16.1	15.8	17.1	16.5	16	17.2	16.2	15.8	17.3	16.1	15.2	16.2	15.8	14.4	14.2	13.9	13.1	100																		
105	15.5	15.4	15.2	16.2	15.8	15.4	16.4	15.6	15.3	16.5	15.6	14.8	15.7	15.2	14.1	13.7	13.4	12.8	105																		
110	14.7	14.6	14.6	15.4	15.1	14.8	15.7	15	14.7	15.9	15	14.4	15.2	14.8	13.7	13.2	12.9	12.6	110																		
115	13.9	13.9	14	14.6	14.5	14.3	14.9	14.4	14.3	15.2	14.5	14	14.7	14.3	13.4	12.8	12.5	12.3	115																		
120	13.1	13.2	13.3	14	13.8	13.8	14.2	13.9	13.8	14.6	14	13.7	14.1	13.8	13.1	12.3	12.1	12	120																		
125	12.5	12.5	12.7	13.3	13.2	13.2	13.6	13.3	13.3	14	13.5	13.3	13.6	13.4	12.8	11.8	11.6	11.6	125																		
130	11.8	11.9	12.1	12.6	12.6	12.7	12.9	12.8	12.8	13.4	13	13	13.1	12.9	12.5	11.3	11.2	11.3	130																		
135	11.2	11.3	11.5	12.1	12	12.1	12.3	12.3	12.3	12.8	12.5	12.5	12.6	12.5	12.2	10.9	10.8	10.9	135																		
140	10.7	10.8	11	11.5	11.5	11.6	11.6	11.8	11.9	12.2	12	12.1	12.2	12	11.9	10.4	10.5	10.6	140																		
145	10.2	10.2	10.4	11	11	11.1	11.1	11.3	11.4	11.7	11.6	11.7	11.7	11.6	11.6	10	10.1	10.2	145																		
150	9.7	9.8	10	10.5	10.5	10.7	10.5	10.8	10.9	11.1	11.1	11.3	11.2	11.2	11.3	9.6	9.7	9.9	150																		
155	9.3	9.4	9.6	10	10.1	10.2	10	10.2	10.4	10.6	10.7	10.8	10.8	10.8	10.9	9.2	9.4	9.5	155																		
160	9	9		9.7	9.7	9.8	9.6	9.8	9.9	10.2	10.3	10.4	10.3	10.4	10.6	8.8	9	9.2	160																		
165	8.6	8.7		9.3	9.3	9.5	9.2	9.4	9.5	9.7	9.9	10	9.9	10	10.2	8.5	8.7	8.9	165																		
170	8.3	8.4		9	9	9.2	8.8	9	9.1	9.4	9.5	9.6	9.6	9.7	9.8	8.2	8.4	8.5	170																		
175	8	8.1		8.7	8.8		8.4	8.6	8.8	9	9.1	9.3	9.3	9.4	9.5	7.9	8.1	8.2	175																		
180	7.8	7.8		8.4	8.5		8.1	8.3	8.4	8.7	8.8	8.9	9	9.1	9.2	7.6	7.7	7.9	180																		
185				8.2	8.2		7.8	8	8.1	8.4	8.5	8.6	8.7	8.8	8.9	7.3	7.4	7.6	185																		
190				8	8		7.5	7.7		8.1	8.2	8.3	8.3	8.5	8.6	7	7.1	7.3	190																		
195				7.4			7.2	7.3		7.8	7.9	8	7.7	8.2	8.3	6.8	6.9	7	195																		
200							6.9	7		7.5	7.6		7.1	7.6	7.7	6.5	6.6	6.7	200																		
205							6.6	6.8		7.2	7.4		6.6	7	7.1	6.2	6.4	6.5	205																		
210							4.4			7	7.1		6	6.4	6.5	5.8	6.1	6.2	210																		
215										6.5	6.8		5.6	5.9		5.3	5.8	5.8	215																		
220										4.9			5.1	5.4		4.8	5.2	5.3	220																		
225													4.6	4.9		4.3	4.7		225																		
230													4.1	4.3		3.8	4.2		230																		
235													2.1			3.4	3.7		235																		
240																2.9	3.2		240																		
245																1.8			245																		

t_242_01400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 40 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
11	46.1																		11
12	46.1																		12
13	46.1																		13
14	46.1																		14
15	46.1																		15
16	46.1																		16
17	46.1																		17
18	46.1																		18
19	46.1																		19
20	46.1																		20
22	46.1																		22
24	46.1																		24
26	46.1	37.8																	26
28	45.4	36.3																	28
30	43.6	34.9																	30
32	41.8	33.6																	32
34	40.1	32.4																	34
36	38.4	31.3	23.2																36
38	36.8	30.3	23.2																38
40	35.3	29.4	23.2																40
45	32.1	27.3	22.7																45
50	29.1	25.4	21.8																50
55	26.7	23.9	21																55
60	24.5	22.4	20.3																60
65	22.6	20.8	19.8																65
70	20.8	19.4	19.2																70
75	19.3	18.1	18.3																75
80	17.9	17	17.4																80
85	16.7	16	16.6																85
90	15.5	15.1	15.6																90
95	14.5	14.4																	95
100																			100
105																			105
110																			110
115																			115
120																			120
125																			125
130																			130
135																			135
140																			140
145																			145
150																			150
155																			155
160																			160
165																			165
170																			170

t_242_01410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft T 19.3 ft 23 ft V 40 ft NZK 360° 154350 lbs 44100 lbs 75%																			
ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
36	30																		36
38	29.9																		38
40	29.8			27.8															40
45	29.3			27.5			25.1			22.8									45
50	28.3			27.2			25			22.7									50
55	27.2	24.1		26.4			24.8			22.6			18.9			16.5			55
60	25.9	23.3		25.4	22.8		24.2	21.2		22.5			18.8			16.4			60
65	24.5	22.4	20.3	24.4	22.1	20	23.5	20.7		22.2	19.8		18.8	18.6		16.4			65
70	23.2	21.6	19.8	23.3	21.4	19.4	22.6	20.1		21.8	19.3		18.6	18.3		16.4			70
75	21.9	20.6	19.2	22.1	20.6	18.9	21.7	19.6	18.3	21.2	18.9	17.3	18.4	17.9		16.3	16.2		75
80	20.7	19.6	18.6	21	19.7	18.4	20.8	18.9	17.8	20.6	18.4	16.8	18	17.6	15.7	16.2	15.8		80
85	19.5	18.7	18	20	18.8	18	19.8	18.2	17.2	19.7	17.9	16.4	17.6	17.2	15.4	15.8	15.4	13.9	85
90	18.4	17.8	17.2	18.9	18	17.3	18.9	17.5	16.8	18.9	17.3	16	17.2	16.8	15.1	15.3	14.9	13.6	90
95	17.4	16.9	16.5	18	17.2	16.6	18	16.8	16.3	18	16.7	15.6	16.8	16.3	14.7	14.8	14.4	13.4	95
100	16.4	16.1	15.8	17.1	16.5	16	17.2	16.2	15.8	17.3	16.1	15.2	16.2	15.8	14.4	14.2	13.9	13.1	100
105	15.5	15.4	15.2	16.2	15.8	15.4	16.4	15.6	15.3	16.5	15.6	14.8	15.7	15.2	14.1	13.7	13.4	12.8	105
110	14.7	14.6	14.6	15.4	15.1	14.8	15.7	15	14.7	15.9	15	14.4	15.2	14.8	13.7	13.2	12.9	12.6	110
115	13.9	13.9	14	14.6	14.5	14.3	14.9	14.4	14.3	15.2	14.5	14	14.7	14.3	13.4	12.8	12.5	12.3	115
120	13.1	13.2	13.3	14	13.8	13.8	14.2	13.9	13.8	14.6	14	13.7	14.1	13.8	13.1	12.3	12.1	12	120
125	12.5	12.5	12.7	13.3	13.2	13.2	13.6	13.3	13.3	14	13.5	13.3	13.6	13.4	12.8	11.8	11.6	11.6	125
130	11.8	11.9	12.1	12.6	12.6	12.7	12.9	12.8	12.8	13.4	13	13	13.1	12.9	12.5	11.3	11.2	11.3	130
135	11.2	11.3	11.5	12.1	12	12.1	12.3	12.3	12.3	12.8	12.5	12.5	12.6	12.5	12.2	10.9	10.8	10.9	135
140	10.7	10.8	11	11.5	11.5	11.6	11.6	11.8	11.9	12.2	12	12.1	12.2	12	11.9	10.4	10.5	10.6	140
145	10.2	10.2	10.4	11	11	11.1	11.1	11.3	11.4	11.7	11.6	11.7	11.7	11.6	11.6	10	10.1	10.2	145
150	9.7	9.8	10	10.5	10.5	10.7	10.5	10.8	10.9	11.1	11.1	11.3	11.1	11.2	11.3	9.6	9.7	9.9	150
155	9.3	9.4	9.6	10	10.1	10.2	10	10.2	10.4	10.6	10.7	10.8	10.3	10.8	10.9	9.2	9.4	9.5	155
160	9	9		9.7	9.7	9.8	9.6	9.8	9.9	10.2	10.3	10.4	9.4	10.3	10.6	8.8	9	9.2	160
165	8.6	8.7		9.3	9.3	9.5	9.2	9.4	9.5	9.5	9.9	10	8.5	9.5	10	8.2	8.7	8.9	165
170	8.3	8.4		9	9	9.2	8.8	9	9.1	8.7	9.5	9.6	7.7	8.6	9.1	7.5	8.3	8.5	170
175	8	8.1		8.7	8.8		8.4	8.6	8.8	8	8.9	9.1	7	7.8	8.3	6.7	7.6	8.1	175
180	7.8	7.8		8.4	8.5		8.1	8.3	8.4	7.3	8.2	8.4	6.3	7	7.5	6	6.9	7.3	180
185				8.2	8.2		7.6	8	8.1	6.6	7.4	7.7	5.6	6.3	6.7	5.4	6.2	6.6	185
190				8	8		7	7.6		6	6.7	6.9	5	5.7	5.9	4.8	5.5	5.8	190
195				7.4			6.5	6.9		5.4	6.1	6.2	4.4	5	5.3	4.2	4.8	5.2	195
200							5.9	6.3		4.9	5.5		3.8	4.4	4.6	3.6	4.2	4.5	200
205							5.5	5.7		4.4	4.9		3.3	3.8	4	3.1	3.6	3.9	205
210							4.4			3.9	4.3		2.8	3.3	3.3	2.6	3.1	3.3	210
215										3.5	3.8		2.3	2.7		2.1	2.6	2.7	215
220										3.1			1.9	2.2		1.6	2.1	2.1	220
225													1.4	1.8			1.5		225

t_242_01410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  23 ft  72 ft  360°  154350 lbs  44100 lbs 75%																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
15	20.3																		15
16	20.3																		16
17	20.3																		17
18	20.3			19.4															18
19	20.3			19.4															19
20	20.3			19.4															20
22	20.3			19.4			18.1												22
24	20.2			19.4			18.1												24
26	20.1			19.4			18.1			17.4									26
28	19.9			19.4			18.1			17.3			16.2						28
30	19.8			19.3			18.1			17.3			16.2						30
32	19.6			19.1			18.1			17.3			16.2			15.5			32
34	19.4			19			18			17.3			16.2			15.5			34
36	19.2			18.8			17.9			17.2			16.1			15.4			36
38	19			18.6			17.8			17.2			16.1			15.4			38
40	18.8			18.4			17.7			17.1			16			15.3			40
45	18.1	15.8		17.9			17.3			16.9			15.9			15.2			45
50	17.5	15.2		17.4			16.9			16.5			15.8			15.2			50
55	16.9	14.5		16.9	14.5		16.4	14.3		16.2			15.6			15			55
60	16.3	13.9		16.3	14		16	13.8		15.8	13.8		15.3			14.9			60
65	15.6	13.3	11.1	15.8	13.5		15.6	13.4		15.4	13.3		15	13.1		14.6	12.9		65
70	15	12.8	10.7	15.3	13		15.2	12.9		15	12.9		14.6	12.7		14.3	12.6		70
75	14.3	12.3	10.5	14.7	12.5	10.5	14.7	12.5	10.5	14.7	12.6		14.3	12.4		14	12.3		75
80	13.6	11.9	10.3	14.2	12.1	10.3	14.2	12.2	10.3	14.3	12.2	10.2	14	12.1	10.2	13.7	12.1		80
85	12.9	11.5	10.1	13.6	11.7	10.1	13.8	11.8	10.1	13.9	11.9	10.1	13.6	11.8	10	13.4	11.8	10	85
90	12.2	11.1	9.9	13	11.4	9.9	13.2	11.5	9.9	13.4	11.6	9.9	13.2	11.5	9.9	13.1	11.5	9.9	90
95	11.4	10.7	9.8	12.3	11	9.8	12.6	11.2	9.8	13	11.3	9.8	12.8	11.3	9.8	12.8	11.3	9.8	95
100	10.7	10.2	9.7	11.6	10.7	9.7	12	10.9	9.7	12.4	11	9.7	12.4	11	9.7	12.4	11	9.6	100
105	10.1	9.7	9.6	11	10.3	9.6	11.4	10.5	9.6	11.9	10.7	9.6	11.9	10.8	9.6	12	10.8	9.6	105
110	9.5	9.3	9.3	10.4	9.9	9.5	10.9	10.1	9.5	11.4	10.4	9.6	11.4	10.4	9.5	11.6	10.5	9.5	110
115	9	8.9	9	9.9	9.4	9.3	10.3	9.7	9.4	10.9	10	9.5	10.9	10.1	9.4	11.2	10.2	9.4	115
120	8.6	8.5	8.8	9.4	9.1	9.1	9.8	9.4	9.2	10.4	9.7	9.4	10.4	9.8	9.3	10.8	9.9	9.4	120
125	8.2	8.2		9	8.7	8.9	9.4	9.1	9	10	9.4	9.2	9.9	9.5	9.2	10.3	9.6	9.2	125
130	7.8	8.1		8.6	8.5	8.7	9	8.8	8.7	9.6	9.1	9	9.4	9.2	9	9.9	9.3	9.1	130
135				8.3	8.2		8.7	8.5	8.5	9.3	8.8	8.8	9	8.9	8.9	9.6	9.1	8.9	135
140				8	8		8.3	8.2	8.3	9	8.6	8.7	8.7	8.6	8.7	9.2	8.9	8.7	140
145				7.7			8.1	7.9		8.7	8.4	8.5	8.3	8.3	8.5	8.8	8.6	8.6	145
150							7.8	7.7		8.4	8.2	8.3	8	8	8.1	8.5	8.4	8.5	150
155							7.5	7.6		8.1	8		7.7	7.7	7.9	8.2	8.2	8.3	155
160										7.9	7.8		7.4	7.4	7.6	7.9	7.9	8	160
165										7.7	7.6		7.1	7.1		7.7	7.6	7.8	165
170										7.5	7.6		6.9	6.9		7.4	7.4	7.6	170
175													6.6	6.7		7.1	7.2	7.4	175
180													6.4	6.5		6.9	7		180
185													6.2			6.7	6.7		185
190																6.5	6.6		190
195																6.4	6.5		195
200																6.3			200

t 242 03400 00 000

t_242_03400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 23 ft  V 72 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	14.4																		38
40	14.4																		40
45	14.3			13.6			12.8												45
50	14.2			13.6			12.7												50
55	14.1			13.5			12.7			11.9			10.9						55
60	14.1			13.5			12.6			11.8			10.8			9.7			60
65	13.9			13.4			12.6			11.7			10.8			9.7			65
70	13.7			13.2			12.5			11.6			10.8			9.6			70
75	13.5	12.1		13.1	11.9		12.4			11.6			10.7			9.6			75
80	13.2	11.8		12.9	11.7		12.2	11.4		11.5			10.7			9.6			80
85	12.9	11.6		12.6	11.4		12.1	11.2		11.4	10.8		10.6			9.5			85
90	12.7	11.4		12.4	11.2		11.9	11		11.3	10.7		10.6			9.5			90
95	12.4	11.1	9.6	12.1	11	9.6	11.7	10.8		11.1	10.5		10.5	10		9.4	9		95
100	12.1	10.9	9.6	11.9	10.8	9.5	11.5	10.6	9.4	11	10.3		10.4	9.9		9.3	9		100
105	11.8	10.7	9.5	11.6	10.6	9.5	11.3	10.4	9.4	10.8	10.1	9.3	10.2	9.7		9.3	9		105
110	11.5	10.4	9.4	11.4	10.3	9.4	11	10.1	9.3	10.6	9.9	9.2	10.1	9.5		9.2	9		110
115	11.1	10.1	9.4	11.1	10.1	9.3	10.8	9.9	9.3	10.5	9.7	9.1	9.9	9.4	9	9.2	8.9	8.5	115
120	10.8	9.8	9.3	10.8	9.8	9.2	10.5	9.7	9.2	10.2	9.5	9	9.8	9.2	8.8	9.1	8.7	8.4	120
125	10.4	9.6	9.2	10.4	9.6	9.1	10.3	9.4	9	10	9.3	8.9	9.6	9	8.7	9	8.6	8.3	125
130	10	9.3	9	10.1	9.3	9	10	9.2	8.9	9.8	9.1	8.8	9.5	8.9	8.6	8.9	8.4	8.3	130
135	9.7	9.1	8.9	9.8	9.1	8.8	9.8	9	8.8	9.6	8.9	8.6	9.3	8.7	8.5	8.7	8.3	8.2	135
140	9.3	8.9	8.7	9.5	8.9	8.7	9.5	8.9	8.6	9.4	8.8	8.5	9.1	8.6	8.4	8.5	8.2	8.1	140
145	9	8.7	8.6	9.2	8.7	8.6	9.3	8.7	8.5	9.2	8.6	8.4	9	8.5	8.3	8.3	8.1	8	145
150	8.6	8.5	8.5	9	8.6	8.4	9	8.5	8.4	9	8.5	8.3	8.8	8.3	8.1	8.1	8	7.9	150
155	8.3	8.3	8.3	8.6	8.4	8.3	8.8	8.4	8.3	8.9	8.3	8.2	8.7	8.2	8.1	7.9	7.8	7.8	155
160	7.9	8	8.2	8.3	8.2	8.2	8.5	8.2	8.2	8.6	8.2	8.1	8.5	8	8	7.6	7.6	7.7	160
165	7.6	7.8	8	8	8.1	8.1	8.2	8.1	8.1	8.4	8	8	8.4	7.9	7.9	7.4	7.4	7.5	165
170	7.3	7.5	7.7	7.7	7.8	8	7.9	7.9	8	8.1	7.9	7.9	8.2	7.8	7.8	7.1	7.2	7.4	170
175	7	7.2	7.4	7.5	7.6	7.8	7.6	7.8	7.9	7.9	7.7	7.8	7.9	7.7	7.7	6.9	7	7.2	175
180	6.8	6.9	7.1	7.2	7.3	7.5	7.3	7.5	7.7	7.6	7.6	7.7	7.7	7.6	7.7	6.6	6.8	7	180
185	6.5	6.7		7	7.1	7.3	7.1	7.3	7.5	7.4	7.5	7.6	7.5	7.4	7.6	6.4	6.7	6.8	185
190	6.3	6.4		6.7	6.9	7	6.8	7	7.3	7.1	7.3	7.5	7.3	7.3	7.4	6.2	6.5	6.6	190
195	6.1	6.2		6.5	6.6	6.8	6.5	6.8	7	6.9	7.1	7.2	7	7.1	7.3	5.9	6.2	6.4	195
200	5.8	5.9		6.3	6.4		6.3	6.5	6.7	6.6	6.9	7	6.8	6.9	7.1	5.7	6	6.2	200
205	5.6	5.7		6.1	6.2		6	6.2	6.4	6.4	6.6	6.8	6.6	6.7	7	5.5	5.8	6	205
210	5.5	5.6		5.9	6		5.8	6	6.1	6.2	6.4	6.6	6.4	6.5	6.8	5.2	5.5	5.8	210
215	4.6			5.7	5.8		5.6	5.7	5.9	5.9	6.1	6.3	6.1	6.3	6.6	5	5.3	5.5	215
220				5.6	5.7		5.3	5.5		5.7	5.9	6.1	5.6	6.1	6.4	4.8	5.1	5.3	220
225				5.4			5.1	5.3		5.5	5.7	5.8	5.2	5.9	6.1	4.6	4.9	5.1	225
230							4.9	5.1		5.4	5.5	5.6	4.8	5.5	5.7	4.4	4.7	4.8	230
235							4.7			5.2	5.3		4.3	5	5.2	4	4.5	4.6	235
240							3.6			5	5.1		3.9	4.6	4.7	3.5	4.3	4.4	240
245										4.7	4.9		3.5	4.1		3.1	3.9	4.1	245
250										3.6			3.1	3.6		2.7	3.4	3.5	250
255													2.7	3.1		2.3	2.9		255
260													2.3	2.7		2	2.5		260
265																1.6	2.1		265
270																	1.7		270

t 242 03400 00 000

t_242_03400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 72 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
15	20.3																		15
16	20.3																		16
17	20.3																		17
18	20.3			19.4															18
19	20.3			19.4															19
20	20.3			19.4															20
22	20.3			19.4			18.1												22
24	20.2			19.4			18.1												24
26	20.1			19.4			18.1			17.4									26
28	19.9			19.4			18.1			17.3			16.2						28
30	19.8			19.3			18.1			17.3			16.2						30
32	19.6			19.1			18.1			17.3			16.2			15.5			32
34	19.4			19			18			17.3			16.2			15.5			34
36	19.2			18.8			17.9			17.2			16.1			15.4			36
38	19			18.6			17.8			17.2			16.1			15.4			38
40	18.8			18.4			17.7			17.1			16			15.3			40
45	18.1	15.8		17.9			17.3			16.9			15.9			15.2			45
50	17.5	15.2		17.4			16.9			16.5			15.8			15.2			50
55	16.9	14.5		16.9	14.5		16.4	14.3		16.2			15.6			15			55
60	16.3	13.9		16.3	14		16	13.8		15.8	13.8		15.3			14.9			60
65	15.6	13.3	11.1	15.8	13.5		15.6	13.4		15.4	13.3		15	13.1		14.6	12.9		65
70	15	12.8	10.7	15.3	13		15.2	12.9		15	12.9		14.6	12.7		14.3	12.6		70
75	14.3	12.3	10.5	14.7	12.5	10.5	14.7	12.5	10.5	14.7	12.6		14.3	12.4		14	12.3		75
80	13.6	11.9	10.3	14.2	12.1	10.3	14.2	12.2	10.3	14.3	12.2	10.2	14	12.1	10.2	13.7	12.1		80
85	12.9	11.5	10.1	13.6	11.7	10.1	13.8	11.8	10.1	13.9	11.9	10.1	13.6	11.8	10	13.4	11.8	10	85
90	12.2	11.1	9.9	13	11.4	9.9	13.2	11.5	9.9	13.4	11.6	9.9	13.2	11.5	9.9	13.1	11.5	9.9	90
95	11.4	10.7	9.8	12.3	11	9.8	12.6	11.2	9.8	13	11.3	9.8	12.8	11.3	9.8	12.8	11.3	9.8	95
100	10.7	10.2	9.7	11.6	10.7	9.7	12	10.9	9.7	12.4	11	9.7	12.4	11	9.7	12.4	11	9.6	100
105	10.1	9.7	9.6	11	10.3	9.6	11.4	10.5	9.6	11.9	10.7	9.6	11.9	10.8	9.6	12	10.8	9.6	105
110	9.5	9.3	9.3	10.4	9.9	9.5	10.9	10.1	9.5	11.4	10.4	9.6	11.4	10.4	9.5	11.6	10.5	9.5	110
115	9	8.9	9	9.9	9.4	9.3	10.3	9.7	9.4	10.9	10	9.5	10.9	10.1	9.4	11.2	10.2	9.4	115
120	8.6	8.5	8.8	9.4	9.1	9.1	9.8	9.4	9.2	10.4	9.7	9.4	10.4	9.8	9.3	10.8	9.9	9.4	120
125	8.2	8.2		9	8.7	8.9	9.4	9.1	9	10	9.4	9.2	9.9	9.5	9.2	10.3	9.6	9.2	125
130	7.8	8.1		8.6	8.5	8.7	9	8.8	8.7	9.6	9.1	9	9.4	9.2	9	9.9	9.3	9.1	130
135				8.3	8.2		8.7	8.5	8.5	9.3	8.8	8.8	9	8.9	8.9	9.6	9.1	8.9	135
140				8	8		8.3	8.2	8.3	9	8.6	8.7	8.7	8.6	8.7	9.2	8.9	8.7	140
145				7.7			8.1	7.9		8.7	8.4	8.5	8.3	8.3	8.5	8.8	8.6	8.6	145
150							7.8	7.7		8.4	8.2	8.3	8	8	8.1	8.5	8.4	8.5	150
155							7.5	7.6		8.1	8		7.7	7.7	7.9	8.2	8.2	8.3	155
160										7.9	7.8		7.4	7.4	7.6	7.9	7.9	8	160
165										7.7	7.6		7.1	7.1		7.7	7.6	7.8	165
170										7.5	7.6		6.9	6.9		7.4	7.4	7.6	170
175													6.6	6.7		7.1	7.2	7.4	175
180													6.4	6.5		6.9	7		180
185													6.2			6.7	6.7		185
190																6.5	6.6		190
195																6.4	6.5		195
200																6.3			200

t 242 03410 00 000

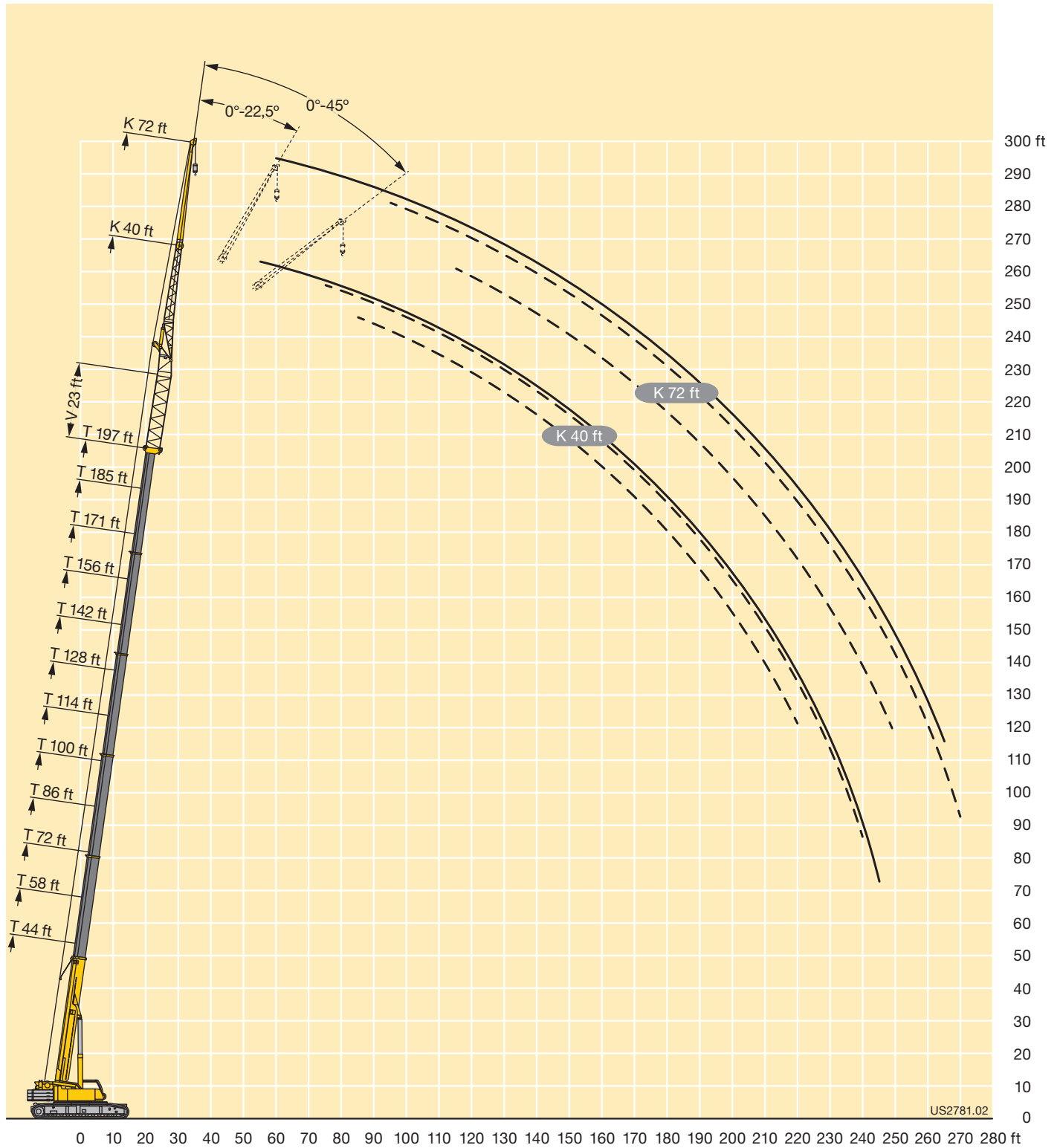
t_242_03410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft T 19.3 ft 23 ft V 72 ft NZK 360° 154350 lbs 44100 lbs 75%																			
ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	14.4																		38
40	14.4																		40
45	14.3			13.6			12.8												45
50	14.2			13.6			12.7												50
55	14.1			13.5			12.7			11.9			10.9						55
60	14.1			13.5			12.6			11.8			10.8			9.7			60
65	13.9			13.4			12.6			11.7			10.8			9.7			65
70	13.7			13.2			12.5			11.6			10.8			9.6			70
75	13.5	12.1		13.1	11.9		12.4			11.6			10.7			9.6			75
80	13.2	11.8		12.9	11.7		12.2	11.4		11.5			10.7			9.6			80
85	12.9	11.6		12.6	11.4		12.1	11.2		11.4	10.8		10.6			9.5			85
90	12.7	11.4		12.4	11.2		11.9	11		11.3	10.7		10.6			9.5			90
95	12.4	11.1	9.6	12.1	11	9.6	11.7	10.8		11.1	10.5		10.5	10		9.4	9		95
100	12.1	10.9	9.6	11.9	10.8	9.5	11.5	10.6	9.4	11	10.3		10.4	9.9		9.3	9		100
105	11.8	10.7	9.5	11.6	10.6	9.5	11.3	10.4	9.4	10.8	10.1	9.3	10.2	9.7		9.3	9		105
110	11.5	10.4	9.4	11.4	10.3	9.4	11	10.1	9.3	10.6	9.9	9.2	10.1	9.5		9.2	9		110
115	11.1	10.1	9.4	11.1	10.1	9.3	10.8	9.9	9.3	10.5	9.7	9.1	9.9	9.4	9	9.2	8.9	8.5	115
120	10.8	9.8	9.3	10.8	9.8	9.2	10.5	9.7	9.2	10.2	9.5	9	9.8	9.2	8.8	9.1	8.7	8.4	120
125	10.4	9.6	9.2	10.4	9.6	9.1	10.3	9.4	9	10	9.3	8.9	9.6	9	8.7	9	8.6	8.3	125
130	10	9.3	9	10.1	9.3	9	10	9.2	8.9	9.8	9.1	8.8	9.5	8.9	8.6	8.9	8.4	8.3	130
135	9.7	9.1	8.9	9.8	9.1	8.8	9.8	9	8.8	9.6	8.9	8.6	9.3	8.7	8.5	8.7	8.3	8.2	135
140	9.3	8.9	8.7	9.5	8.9	8.7	9.5	8.9	8.6	9.4	8.8	8.5	9.1	8.6	8.4	8.5	8.2	8.1	140
145	9	8.7	8.6	9.2	8.7	8.6	9.3	8.7	8.5	9.2	8.6	8.4	9	8.5	8.3	8.3	8.1	8	145
150	8.6	8.5	8.5	9	8.6	8.4	9	8.5	8.4	9	8.5	8.3	8.8	8.3	8.1	8.1	8	7.9	150
155	8.3	8.3	8.3	8.6	8.4	8.3	8.8	8.4	8.3	8.9	8.3	8.2	8.7	8.2	8.1	7.9	7.8	7.8	155
160	7.9	8	8.2	8.3	8.2	8.2	8.5	8.2	8.2	8.6	8.2	8.1	8.5	8	8	7.6	7.6	7.7	160
165	7.6	7.8	8	8	8.1	8.1	8.2	8.1	8.1	8.4	8	8	8.4	7.9	7.9	7.4	7.4	7.5	165
170	7.3	7.5	7.7	7.7	7.8	8	7.9	7.9	8	8.1	7.9	7.9	8.2	7.8	7.8	7.1	7.2	7.4	170
175	7	7.2	7.4	7.5	7.6	7.8	7.6	7.8	7.9	7.9	7.7	7.8	7.7	7.7	7.7	6.8	7	7.2	175
180	6.8	6.9	7.1	7.2	7.3	7.5	7.3	7.5	7.7	7.6	7.6	7.7	7	7.6	7.7	6.5	6.8	7	180
185	6.5	6.7		7	7.1	7.3	7.1	7.3	7.5	7.3	7.5	7.6	6.3	7.4	7.6	5.9	6.7	6.8	185
190	6.3	6.4		6.7	6.9	7	6.8	7	7.3	6.9	7.3	7.5	5.7	7.1	7.4	5.3	6.5	6.6	190
195	6.1	6.2		6.5	6.6	6.8	6.5	6.8	7	6.3	7.1	7.2	5.1	6.5	7.1	4.8	6	6.4	195
200	5.8	5.9		6.3	6.4		6.3	6.5	6.7	5.7	6.8	7	4.5	5.8	6.6	4.2	5.6	6.2	200
205	5.6	5.7		6.1	6.2		6	6.2	6.4	5.2	6.2	6.7	4	5.2	5.9	3.7	5	5.7	205
210	5.5	5.6		5.9	6		5.7	6	6.1	4.7	5.6	6.1	3.5	4.6	5.2	3.2	4.4	5.1	210
215	4.6			5.7	5.8		5.2	5.7	5.9	4.2	5.1	5.4	3	4.1	4.6	2.7	3.9	4.5	215
220				5.6	5.7		4.7	5.3		3.8	4.6	4.8	2.6	3.5	4	2.3	3.3	3.9	220
225				5.4			4.3	4.8		3.3	4	4.2	2.1	3	3.4	1.8	2.8	3.3	225
230							3.9	4.3		2.9	3.6	3.6	1.7	2.6	2.8		2.3	2.8	230
235							3.5			2.5	3.1			2.1	2.3		1.9	2.2	235
240							3.2			2.2	2.6			1.6	1.8			1.7	240
245										1.8	2.2								245
250										1.5									250

t_242_03410_00_000



Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 23.9 ft  23 ft  V 63 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
15	35																		15
16	35																		16
17	34.9																		17
18	34.9																		18
19	34.9			31.9															19
20	34.8			31.9															20
22	34.7			31.9			28.4												22
24	34.5			31.8			28.3												24
26	34.2			31.8			28.3			26.3									26
28	33.5			31.6			28.3			26.3									28
30	32.6			31.3			28.3			26.3									30
32	31.6			30.9			28.2			26.3			23.8			21.1			32
34	30.6			30.1			27.9			26.2			23.7			21.1			34
36	29.6			29.3			27.5			26.2			23.7			21			36
38	28.6	23.4		28.5			27.1			25.9			23.6			21			38
40	27.6	22.8		27.7			26.5			25.5			23.5			20.9			40
45	25.4	21.4		25.8	22.2		25			24.4			22.9			20.7			45
50	23.4	20.1		24	20.8		23.5			23.2			22.1			20.5			50
55	21.6	18.9		22.4	19.6		22.1	19.1		22.1	18.9		21.2			20.1			55
60	19.9	17.7	15.4	20.8	18.4	15.4	20.8	18.1		20.9	18		20.3	17.4		19.6	17.1		60
65	18.4	16.4	14.9	19.4	17.4	14.9	19.6	17.2	14.8	19.8	17.2		19.4	16.7		18.9	16.4		65
70	16.9	15.3	14.4	18.1	16.4	14.5	18.5	16.4	14.4	18.8	16.4		18.5	16		18.2	15.8		70
75	15.7	14.3	13.9	16.9	15.5	14.1	17.3	15.6	14	17.8	15.7	14	17.6	15.4	13.9	17.5	15.3		75
80	14.5	13.4	13.2	15.7	14.7	13.5	16.2	14.8	13.5	16.8	15	13.6	16.7	14.8	13.4	16.9	14.7	13.3	80
85	13.5	12.6	12.5	14.7	13.9	12.9	15.3	14.1	13	15.9	14.4	13.1	15.9	14.3	12.9	16.2	14.2	12.8	85
90	12.6	11.8	11.8	13.8	13.1	12.3	14.3	13.4	12.4	15.1	13.7	12.6	15	13.7	12.5	15.6	13.7	12.4	90
95	11.7	11.1	11.3	12.9	12.4	11.8	13.4	12.7	12	14.3	13.2	12.1	14.1	13.1	12.1	14.9	13.2	12.1	95
100	10.9	10.5	10.8	12.2	11.8	11.3	12.7	12.1	11.5	13.6	12.6	11.7	13.3	12.6	11.7	14.1	12.7	11.7	100
105	10.3	9.9	10.3	11.5	11.2	10.9	11.9	11.5	11	12.9	12.1	11.3	12.6	12.2	11.3	13.4	12.3	11.4	105
110	9.6	9.5	10	10.8	10.7	10.5	11.3	10.9	10.6	12.3	11.5	11	11.9	11.7	11	12.7	11.9	11.1	110
115	9.2	9.1	5.2	10.2	10.2	10.1	10.7	10.4	10.2	11.7	11.1	10.6	11.2	11.2	10.7	12.1	11.5	10.8	115
120	8.7	8.8		9.7	9.8	9.9	10.1	9.9	9.8	11.1	10.6	10.3	10.6	10.6	10.4	11.5	11.1	10.5	120
125				9.2	9.4		9.7	9.5	9.5	10.6	10.2	10	10	10.1	10.1	10.9	10.6	10.3	125
130				8.9	9.1		9.2	9.2	9.3	10.1	9.8	9.7	9.6	9.7	9.7	10.4	10.2	10	130
135				8.5			8.9	8.9		9.7	9.5	9.5	9.2	9.3	9.4	9.9	9.8	9.7	135
140							8.5	8.6		9.3	9.2	9.3	8.8	8.9	9	9.5	9.4	9.4	140
145							8.2	8.3		9	8.9		8.4	8.5	8.6	9.2	9	9.1	145
150							8			8.7	8.7		8.1	8.2	8.3	8.8	8.7	8.8	150
155										8.5	8.5		7.8	7.9	8	8.5	8.4	8.5	155
160										8.3	8.4		7.5	7.6		8.2	8.2	8.3	160
165													7.2	7.3		7.9	7.9	8	165
170													7	7.1		7.6	7.6		170
175													6.8	6.9		7.4	7.4		175
180																7.2	7.2		180
185																7	7		185
190																6.8			190

t_242_02400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 23.9 ft  23 ft  V 63 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	19.1																		38
40	19.1																		40
45	18.9			17.8			16.4												45
50	18.8			17.6			16.3												50
55	18.6			17.5			16.2			14.9			13.5						55
60	18.4			17.4			16			14.8			13.4			11.7			60
65	17.9	15.8		17.2			15.9			14.7			13.3			11.7			65
70	17.4	15.3		16.9			15.8			14.6			13.2			11.5			70
75	16.9	14.8		16.4	14.6		15.5	14		14.5			13.2			11.4			75
80	16.3	14.4		16	14.1		15.2	13.7		14.3	13.2		13.1			11.3			80
85	15.8	13.9	12.6	15.5	13.7	12.4	14.9	13.3		14.1	12.9		13	12.1		11.1	10.4		85
90	15.2	13.5	12.2	15	13.3	12.1	14.5	12.9		13.9	12.6		12.8	11.9		11	10.4		90
95	14.6	13	11.9	14.6	12.9	11.8	14.1	12.6	11.6	13.5	12.2		12.6	11.7		11	10.4		95
100	14.1	12.6	11.6	14.1	12.5	11.5	13.7	12.2	11.3	13.2	11.9	11.1	12.5	11.5	10.7	10.9	10.4		100
105	13.5	12.2	11.3	13.6	12.1	11.2	13.3	11.9	11	12.9	11.6	10.8	12.2	11.2	10.5	10.8	10.3	9.5	105
110	12.9	11.8	11	13.1	11.8	11	12.9	11.6	10.8	12.5	11.3	10.6	11.9	10.9	10.3	10.6	10.1	9.4	110
115	12.3	11.4	10.7	12.6	11.4	10.7	12.4	11.3	10.5	12.2	11.1	10.4	11.7	10.7	10.1	10.4	9.9	9.3	115
120	11.7	11.1	10.5	12	11.1	10.5	12	11	10.3	11.9	10.8	10.2	11.4	10.5	9.9	10.1	9.8	9.2	120
125	11.1	10.7	10.2	11.5	10.8	10.2	11.5	10.7	10.1	11.5	10.5	10	11.1	10.2	9.8	9.8	9.6	9.1	125
130	10.6	10.3	10	11	10.4	10	11.1	10.4	9.9	11.2	10.2	9.8	10.9	10	9.6	9.6	9.4	9	130
135	10	10	9.8	10.5	10.1	9.8	10.6	10.1	9.8	10.8	10	9.6	10.6	9.8	9.5	9.3	9.1	8.9	135
140	9.6	9.6	9.6	10.1	9.8	9.7	10.2	9.8	9.6	10.4	9.8	9.5	10.3	9.6	9.3	9	8.9	8.8	140
145	9.2	9.3	9.3	9.6	9.5	9.5	9.8	9.6	9.4	10	9.6	9.4	9.9	9.4	9.2	8.7	8.7	8.6	145
150	8.8	8.9	9	9.2	9.2	9.2	9.5	9.3	9.3	9.6	9.3	9.2	9.6	9.2	9.1	8.4	8.4	8.4	150
155	8.4	8.5	8.7	8.9	8.9	9	9.1	9	9.1	9.3	9.1	9.1	9.3	9.1	9	8.2	8.2	8.3	155
160	8.1	8.2	8.4	8.6	8.6	8.7	8.8	8.8	8.9	9	8.9	8.9	9	8.8	8.9	7.9	7.9	8	160
165	7.7	7.9	8.1	8.2	8.3	8.5	8.4	8.5	8.6	8.7	8.7	8.7	8.7	8.7	8.7	7.6	7.7	7.8	165
170	7.5	7.6	7.7	7.9	8	8.2	8.1	8.2	8.4	8.4	8.4	8.5	8.5	8.5	8.5	7.3	7.5	7.6	170
175	7.1	7.3	7.4	7.7	7.7	7.9	7.7	8	8.1	8.1	8.2	8.3	8.2	8.2	8.4	7	7.3	7.4	175
180	6.9	7		7.4	7.5	7.6	7.4	7.7	7.9	7.8	7.9	8.1	8	8	8.2	6.8	7	7.2	180
185	6.6	6.7		7.1	7.2	7.4	7.1	7.4	7.6	7.5	7.7	7.9	7.7	7.8	7.9	6.5	6.8	7	185
190	6.4	6.5		6.9	7	7.1	6.8	7.1	7.3	7.3	7.4	7.6	7.4	7.6	7.7	6.3	6.5	6.7	190
195	6.1	6.2		6.6	6.7		6.6	6.8	6.9	7	7.2	7.4	7.2	7.3	7.5	6	6.3	6.5	195
200	6	6.1		6.4	6.5		6.3	6.5	6.6	6.8	6.9	7.1	6.9	7.1	7.3	5.8	6	6.2	200
205	5.8			6.2	6.3		6.1	6.2	6.4	6.5	6.7	6.8	6.7	6.9	7.1	5.5	5.8	6	205
210				6.1	6.1		5.8	6	6.1	6.3	6.4	6.5	6.3	6.7	6.8	5.3	5.6	5.7	210
215				5.9	6		5.6	5.7		6	6.2	6.3	5.8	6.4	6.6	5.1	5.3	5.5	215
220				3.5			5.3	5.5		5.8	5.9	6.1	5.3	6	6.2	4.9	5.1	5.3	220
225							5.1	5.2		5.6	5.8		4.9	5.5	5.7	4.6	4.9	5	225
230							4.6			5.4	5.5		4.4	5	5.1	4.1	4.7	4.8	230
235										5.1	5.4		4	4.5	4.6	3.6	4.3	4.5	235
240										4.4	5		3.5	4		3.2	3.8	4	240
245										2.1			3.1	3.5		2.8	3.3	3.4	245
250													2.7	3		2.4	2.9		250
255													1.7			2	2.4		255
260																1.6			260

t_242_02400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 63 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
15	35																		15
16	35																		16
17	34.9																		17
18	34.9																		18
19	34.9			31.9															19
20	34.8			31.9															20
22	34.7			31.9			28.4												22
24	34.5			31.8			28.3												24
26	34.2			31.8			28.3			26.3									26
28	33.5			31.6			28.3			26.3									28
30	32.6			31.3			28.3			26.3									30
32	31.6			30.9			28.2			26.3			23.8			21.1			32
34	30.6			30.1			27.9			26.2			23.7			21.1			34
36	29.6			29.3			27.5			26.2			23.7			21			36
38	28.6	23.4		28.5			27.1			25.9			23.6			21			38
40	27.6	22.8		27.7			26.5			25.5			23.5			20.9			40
45	25.4	21.4		25.8	22.2		25			24.4			22.9			20.7			45
50	23.4	20.1		24	20.8		23.5			23.2			22.1			20.5			50
55	21.6	18.9		22.4	19.6		22.1	19.1		22.1	18.9		21.2			20.1			55
60	19.9	17.7	15.4	20.8	18.4	15.4	20.8	18.1		20.9	18		20.3	17.4		19.6	17.1		60
65	18.4	16.4	14.9	19.4	17.4	14.9	19.6	17.2	14.8	19.8	17.2		19.4	16.7		18.9	16.4		65
70	16.9	15.3	14.4	18.1	16.4	14.5	18.5	16.4	14.4	18.8	16.4		18.5	16		18.2	15.8		70
75	15.7	14.3	13.9	16.9	15.5	14.1	17.3	15.6	14	17.8	15.7	14	17.6	15.4	13.9	17.5	15.3		75
80	14.5	13.4	13.2	15.7	14.7	13.5	16.2	14.8	13.5	16.8	15	13.6	16.7	14.8	13.4	16.9	14.7	13.3	80
85	13.5	12.6	12.5	14.7	13.9	12.9	15.3	14.1	13	15.9	14.4	13.1	15.9	14.3	12.9	16.2	14.2	12.8	85
90	12.6	11.8	11.8	13.8	13.1	12.3	14.3	13.4	12.4	15.1	13.7	12.6	15	13.7	12.5	15.6	13.7	12.4	90
95	11.7	11.1	11.3	12.9	12.4	11.8	13.4	12.7	12	14.3	13.2	12.1	14.1	13.1	12.1	14.9	13.2	12.1	95
100	10.9	10.5	10.8	12.2	11.8	11.3	12.7	12.1	11.5	13.6	12.6	11.7	13.3	12.6	11.7	14.1	12.7	11.7	100
105	10.3	9.9	10.3	11.5	11.2	10.9	11.9	11.5	11	12.9	12.1	11.3	12.6	12.2	11.3	13.4	12.3	11.4	105
110	9.6	9.5	10	10.8	10.7	10.5	11.3	10.9	10.6	12.3	11.5	11	11.9	11.7	11	12.7	11.9	11.1	110
115	9.2	9.1	5.2	10.2	10.2	10.1	10.7	10.4	10.2	11.7	11.1	10.6	11.2	11.2	10.7	12.1	11.5	10.8	115
120	8.7	8.8		9.7	9.8	9.9	10.1	9.9	9.8	11.1	10.6	10.3	10.6	10.6	10.4	11.5	11.1	10.5	120
125				9.2	9.4		9.7	9.5	9.5	10.6	10.2	10	10	10.1	10.1	10.9	10.6	10.3	125
130				8.9	9.1		9.2	9.2	9.3	10.1	9.8	9.7	9.6	9.7	9.7	10.4	10.2	10	130
135				8.5			8.9	8.9		9.7	9.5	9.5	9.2	9.3	9.4	9.9	9.8	9.7	135
140							8.5	8.6		9.3	9.2	9.3	8.8	8.9	9	9.5	9.4	9.4	140
145							8.2	8.3		9	8.9		8.4	8.5	8.6	9.2	9	9.1	145
150							8			8.7	8.7		8.1	8.2	8.3	8.8	8.7	8.8	150
155										8.5	8.5		7.8	7.9	8	8.5	8.4	8.5	155
160										8.3	8.4		7.5	7.6		8.2	8.2	8.3	160
165													7.2	7.3		7.9	7.9	8	165
170													7	7.1		7.6	7.6		170
175													6.8	6.9		7.4	7.4		175
180																7.2	7.2		180
185																7	7		185
190																6.8			190

t_242_02410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  V 23 ft  NZK 63 ft  NZK 360°  NZK 154350 lbs  NZK 44100 lbs  NZK 75%  NZK																			
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			ft 
	63 ft			63 ft			63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
38	19.1																		38
40	19.1																		40
45	18.9				17.8				16.4										45
50	18.8				17.6				16.3										50
55	18.6				17.5				16.2				14.9			13.5			55
60	18.4				17.4				16				14.8			13.4		11.7	60
65	17.9	15.8			17.2				15.9				14.7			13.3		11.7	65
70	17.4	15.3			16.9				15.8				14.6			13.2		11.5	70
75	16.9	14.8			16.4	14.6			15.5	14			14.5			13.2		11.4	75
80	16.3	14.4			16	14.1			15.2	13.7			14.3	13.2		13.1		11.3	80
85	15.8	13.9	12.6		15.5	13.7	12.4		14.9	13.3			14.1	12.9		13	12.1		85
90	15.2	13.5	12.2		15	13.3	12.1		14.5	12.9			13.9	12.6		12.8	11.9		90
95	14.6	13	11.9		14.6	12.9	11.8		14.1	12.6	11.6		13.5	12.2		12.6	11.7		95
100	14.1	12.6	11.6		14.1	12.5	11.5		13.7	12.2	11.3		13.2	11.9	11.1	12.5	11.5	10.7	100
105	13.5	12.2	11.3		13.6	12.1	11.2		13.3	11.9	11		12.9	11.6	10.8	12.2	11.2	10.5	105
110	12.9	11.8	11		13.1	11.8	11		12.9	11.6	10.8		12.5	11.3	10.6	11.9	10.9	10.3	110
115	12.3	11.4	10.7		12.6	11.4	10.7		12.4	11.3	10.5		12.2	11.1	10.4	11.7	10.7	10.1	115
120	11.7	11.1	10.5		12	11.1	10.5		12	11	10.3		11.9	10.8	10.2	11.4	10.5	9.9	120
125	11.1	10.7	10.2		11.5	10.8	10.2		11.5	10.7	10.1		11.5	10.5	10	11.1	10.2	9.8	125
130	10.6	10.3	10		11	10.4	10		11.1	10.4	9.9		11.2	10.2	9.8	10.9	10	9.6	130
135	10	10	9.8		10.5	10.1	9.8		10.6	10.1	9.8		10.8	10	9.6	10.6	9.8	9.5	135
140	9.6	9.6	9.6		10.1	9.8	9.7		10.2	9.8	9.6		10.4	9.8	9.5	10.3	9.6	9.3	140
145	9.2	9.3	9.3		9.6	9.5	9.5		9.8	9.6	9.4		10	9.6	9.4	9.9	9.4	9.2	145
150	8.8	8.9	9		9.2	9.2	9.2		9.5	9.3	9.3		9.6	9.3	9.2	9.6	9.2	9.1	150
155	8.4	8.5	8.7		8.9	8.9	9		9.1	9	9.1		9.3	9.1	9.1	9.3	9.1	9	155
160	8.1	8.2	8.4		8.6	8.6	8.7		8.8	8.8	8.9		9	8.9	8.9	9	8.8	8.9	160
165	7.7	7.9	8.1		8.2	8.3	8.5		8.4	8.5	8.6		8.7	8.7	8.7	8.7	8.7	8.7	165
170	7.5	7.6	7.7		7.9	8	8.2		8.1	8.2	8.4		8.4	8.4	8.5	8.1	8.5	8.5	170
175	7.1	7.3	7.4		7.7	7.7	7.9		7.7	8	8.1		8.1	8.2	8.3	7.4	8.2	8.4	175
180	6.9	7			7.4	7.5	7.6		7.4	7.7	7.9		7.7	7.9	8.1	6.6	7.9	8.2	180
185	6.6	6.7			7.1	7.2	7.4		7.1	7.4	7.6		7.2	7.7	7.9	6	7.3	7.8	185
190	6.4	6.5			6.9	7	7.1		6.8	7.1	7.3		6.5	7.4	7.6	5.4	6.6	7.3	190
195	6.1	6.2			6.6	6.7			6.6	6.8	6.9		6	6.9	7.3	4.8	5.9	6.5	195
200	6	6.1			6.4	6.5			6.3	6.5	6.6		5.4	6.3	6.7	4.2	5.3	5.8	200
205	5.8				6.2	6.3			5.8	6.2	6.4		4.9	5.7	6	3.7	4.6	5.1	205
210					6.1	6.1			5.3	5.9	5.9		4.3	5.1	5.3	3.1	4.1	4.5	210
215					5.9	6			4.9	5.3			3.9	4.5	4.7	2.7	3.5	3.9	215
220					3.5				4.4	4.8			3.4	4	4.1	2.2	3	3.3	220
225									4	4.3			3	3.5		1.8	2.5	2.7	225
230									3.6				2.6	3			2	2.1	230
235													2.2	2.6			1.5	1.5	235
240													1.8	2.1					240
245													1.5						245

t_242_02410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft       75%																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	15.2																		22
24	15.2																		24
26	15.2			14.4															26
28	15.1			14.4			13.4												28
30	15.1			14.4			13.3												30
32	15.1			14.3			13.3			12.7									32
34	15			14.3			13.3			12.6			11.8						34
36	15			14.2			13.2			12.6			11.7						36
38	14.9			14.2			13.2			12.5			11.7			11.2			38
40	14.8			14.1			13.1			12.5			11.7			11.1			40
45	14.5			14			13			12.4			11.6			11.1			45
50	14			13.7			12.9			12.4			11.5			11			50
55	13.5			13.3			12.7			12.3			11.5			10.9			55
60	12.9	10.6		12.8			12.3			12.1			11.4			10.9			60
65	12.3	10.1		12.3	10		12	9.8		11.8			11.2			10.8			65
70	11.7	9.6		11.8	9.6		11.6	9.5		11.4			11			10.7			70
75	11.1	9.2		11.3	9.2		11.2	9.1		11.1	9.1		10.7			10.5			75
80	10.6	8.8		10.8	8.9		10.7	8.8		10.7	8.8		10.4	8.7		10.2	8.6		80
85	10	8.5	7.1	10.3	8.6		10.3	8.5		10.3	8.5		10.1	8.4		10	8.4		85
90	9.5	8.1	6.9	9.8	8.3		9.9	8.3		10	8.3		9.8	8.2		9.7	8.2		90
95	9.1	7.8	6.7	9.4	8	6.7	9.5	8	6.7	9.6	8		9.5	8		9.4	8		95
100	8.7	7.6	6.5	9	7.7	6.6	9.1	7.8	6.6	9.3	7.8	6.5	9.2	7.8	6.5	9.2	7.8		100
105	8.3	7.3	6.4	8.7	7.5	6.4	8.8	7.5	6.4	9	7.6	6.4	9	7.6	6.4	8.9	7.6	6.3	105
110	7.9	7.1	6.3	8.3	7.2	6.3	8.5	7.3	6.3	8.7	7.4	6.3	8.7	7.4	6.3	8.7	7.4	6.3	110
115	7.6	6.8	6.2	8	7	6.2	8.2	7.1	6.2	8.4	7.2	6.2	8.4	7.2	6.2	8.5	7.2	6.2	115
120	7.2	6.7	6.1	7.7	6.8	6.1	7.9	6.9	6.1	8.1	7	6.1	8.2	7.1	6.1	8.3	7.1	6.1	120
125	6.9	6.5	6	7.4	6.6	6	7.6	6.8	6.1	7.9	6.9	6.1	7.9	6.9	6	8	6.9	6	125
130	6.5	6.3	6	7	6.5	6	7.3	6.6	6	7.6	6.7	6	7.7	6.8	6	7.8	6.8	5.9	130
135	6.2	6.1	6	6.7	6.4	6	7	6.5	5.9	7.3	6.6	5.9	7.4	6.6	5.9	7.6	6.7	5.9	135
140	6	5.9	6	6.4	6.2	6	6.8	6.3	5.9	7.1	6.4	5.9	7.2	6.5	5.9	7.4	6.5	5.8	140
145	5.7	5.7	6	6.2	6	6	6.5	6.2	5.9	6.8	6.3	5.9	7	6.4	5.8	7.1	6.4	5.8	145
150	5.4	5.5		5.9	5.8	6	6.3	6.1	5.9	6.6	6.2	5.8	6.7	6.2	5.8	6.9	6.3	5.8	150
155				5.7	5.7	6	6.1	5.9	5.9	6.4	6.1	5.8	6.5	6.1	5.8	6.7	6.2	5.8	155
160				5.5	5.5		5.8	5.7	5.9	6.2	5.9	5.8	6.3	6	5.8	6.5	6.1	5.7	160
165				5.3	5.4		5.6	5.6		5.9	5.8	5.8	6.1	5.9	5.8	6.3	6	5.7	165
170							5.4	5.5		5.8	5.6	5.8	5.9	5.7	5.8	6.2	5.8	5.7	170
175							5.3	5.4		5.6	5.5	5.8	5.7	5.6	5.7	6	5.7	5.7	175
180							5.2			5.4	5.4		5.5	5.5	5.7	5.8	5.6	5.7	180
185										5.3	5.3		5.3	5.3	5.5	5.7	5.5	5.7	185
190										5.2	5.3		5.1	5.2		5.5	5.4	5.6	190
195										5.1			4.9	5		5.3	5.3	5.5	195
200													4.7	4.8		5.1	5.2	5.4	200
205													4.6	4.7		5	5		205
210													4.5			4.8	4.9		210
215																4.7	4.8		215
220																4.6	4.7		220

t_242_05400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  23.9 ft  23 ft  95 ft  360°  154350 lbs  44100 lbs  75% 																			
	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
45	10.3			9.9															45
50	10.3			9.8															50
55	10.2			9.8			9.2												55
60	10.2			9.7			9.2			8.6			8						60
65	10.1			9.6			9.1			8.6			8			7.2			65
70	10			9.6			9.1			8.5			8			7.2			70
75	9.9			9.5			9			8.5			7.9			7.1			75
80	9.8			9.5			9			8.4			7.9			7.1			80
85	9.6	8.2		9.4			8.9			8.4			7.9			7			85
90	9.4	8		9.2			8.9	7.8		8.3			7.8			6.9			90
95	9.2	7.8		9	7.8		8.8	7.6		8.3			7.8			6.8			95
100	9	7.7		8.9	7.6		8.6	7.5		8.2	7.3		7.7			6.8			100
105	8.8	7.5		8.7	7.5		8.5	7.3		8.1	7.2		7.6	7		6.7			105
110	8.6	7.3		8.5	7.3		8.3	7.2		8	7.1		7.5	6.9		6.6	6.4		110
115	8.4	7.2	6.1	8.3	7.1	6.1	8.1	7		7.8	6.9		7.5	6.8		6.6	6.4		115
120	8.2	7	6.1	8.1	7	6	7.9	6.9	6	7.7	6.8		7.4	6.7		6.5	6.3		120
125	8	6.9	6	7.9	6.9	5.9	7.8	6.8	5.9	7.6	6.7	5.8	7.3	6.6	5.7	6.5	6.3		125
130	7.7	6.8	5.9	7.7	6.8	5.9	7.6	6.7	5.8	7.4	6.6	5.8	7.2	6.5	5.7	6.5	6.2	5.6	130
135	7.5	6.6	5.9	7.5	6.6	5.8	7.4	6.6	5.8	7.3	6.5	5.7	7	6.4	5.6	6.4	6.1	5.5	135
140	7.3	6.5	5.8	7.4	6.5	5.8	7.3	6.5	5.7	7.1	6.4	5.7	6.9	6.3	5.6	6.4	6.1	5.5	140
145	7.1	6.4	5.8	7.2	6.4	5.7	7.1	6.4	5.7	7	6.3	5.6	6.8	6.2	5.6	6.3	6	5.4	145
150	7	6.3	5.7	7	6.3	5.7	6.9	6.3	5.7	6.8	6.2	5.6	6.6	6.1	5.5	6.3	5.9	5.4	150
155	6.8	6.2	5.7	6.8	6.2	5.7	6.8	6.2	5.6	6.7	6.1	5.6	6.5	6	5.5	6.2	5.8	5.4	155
160	6.6	6.1	5.7	6.6	6.1	5.6	6.6	6.1	5.6	6.5	6	5.5	6.4	5.9	5.5	6	5.7	5.4	160
165	6.4	6	5.7	6.5	6	5.6	6.4	6	5.6	6.4	5.9	5.5	6.3	5.8	5.4	6	5.6	5.3	165
170	6.2	5.9	5.7	6.3	5.9	5.6	6.3	5.9	5.6	6.3	5.8	5.5	6.2	5.7	5.4	5.8	5.5	5.3	170
175	6.1	5.8	5.7	6.2	5.8	5.6	6.2	5.8	5.6	6.1	5.7	5.5	6	5.6	5.4	5.7	5.4	5.3	175
180	5.9	5.6	5.6	6	5.7	5.6	6	5.7	5.6	6	5.6	5.5	5.9	5.5	5.4	5.6	5.3	5.3	180
185	5.7	5.5	5.6	5.9	5.6	5.6	5.9	5.6	5.5	5.9	5.5	5.4	5.8	5.5	5.4	5.4	5.3	5.3	185
190	5.5	5.4	5.6	5.7	5.5	5.5	5.8	5.5	5.5	5.8	5.4	5.4	5.7	5.4	5.4	5.3	5.2	5.2	190
195	5.3	5.3	5.5	5.6	5.4	5.5	5.7	5.4	5.4	5.7	5.4	5.4	5.6	5.3	5.3	5.1	5.1	5.2	195
200	5.1	5.2	5.4	5.4	5.3	5.5	5.5	5.3	5.4	5.5	5.3	5.3	5.5	5.2	5.3	5	5	5.1	200
205	4.9	5.1	5.3	5.2	5.2	5.4	5.3	5.2	5.4	5.4	5.2	5.3	5.4	5.1	5.2	4.8	4.9	5	205
210	4.7	4.9		5.1	5.1	5.3	5.1	5.1	5.4	5.3	5.1	5.3	5.3	5.1	5.2	4.6	4.8	5	210
215	4.5	4.7		4.9	5	5.2	4.9	5	5.3	5.2	5.1	5.2	5.2	5	5.2	4.3	4.7	4.9	215
220	4.3	4.5		4.7	4.8	5	4.7	4.9	5.2	5	5	5.2	5.1	4.9	5.1	4.1	4.5	4.8	220
225	4.2	4.3		4.5	4.7		4.5	4.8	5	4.8	4.9	5.2	5	4.9	5.1	4	4.4	4.6	225
230	4	4.1		4.4	4.5		4.4	4.6	4.7	4.7	4.8	5.1	4.8	4.8	5.1	3.8	4.2	4.5	230
235	3.9			4.2	4.4		4.2	4.4	4.5	4.5	4.7	4.9	4.4	4.8	5	3.6	4	4.2	235
240				4.1	4.2		4	4.2		4.3	4.5	4.7	4	4.6	4.9	3.4	3.8	4	240
245				4	4.1		3.8	4		4.1	4.4	4.5	3.6	4.5	4.7	3.1	3.6	3.8	245
250				3.2			3.6	3.8		4	4.2	4.3	3.2	4.1	4.5	2.7	3.4	3.6	250
255							3.5	3.6		3.8	4		2.8	3.7	4	2.4	3.2	3.4	255
260							3.3			3.6	3.8		2.4	3.2	3.4	2	2.9	3.1	260
265										3.2	3.7		2	2.8	2.8	1.6	2.6	2.8	265
270										2.8	3.3		1.7	2.4			2.1	2.3	270
275													1.4	2			1.7		275
280														1.5					280

t 242 05400 00 000

t_242_05400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft 19.3 ft 23 ft NZK 95 ft 360° 154350 lbs 44100 lbs 75%																			
ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	15.2																		22
24	15.2																		24
26	15.2			14.4															26
28	15.1			14.4			13.4												28
30	15.1			14.4			13.3												30
32	15.1			14.3			13.3			12.7									32
34	15			14.3			13.3			12.6			11.8						34
36	15			14.2			13.2			12.6			11.7						36
38	14.9			14.2			13.2			12.5			11.7			11.2			38
40	14.8			14.1			13.1			12.5			11.7			11.1			40
45	14.5			14			13			12.4			11.6			11.1			45
50	14			13.7			12.9			12.4			11.5			11			50
55	13.5			13.3			12.7			12.3			11.5			10.9			55
60	12.9	10.6		12.8			12.3			12.1			11.4			10.9			60
65	12.3	10.1		12.3	10		12	9.8		11.8			11.2			10.8			65
70	11.7	9.6		11.8	9.6		11.6	9.5		11.4			11			10.7			70
75	11.1	9.2		11.3	9.2		11.2	9.1		11.1	9.1		10.7			10.5			75
80	10.6	8.8		10.8	8.9		10.7	8.8		10.7	8.8		10.4	8.7		10.2	8.6		80
85	10	8.5	7.1	10.3	8.6		10.3	8.5		10.3	8.5		10.1	8.4		10	8.4		85
90	9.5	8.1	6.9	9.8	8.3		9.9	8.3		10	8.3		9.8	8.2		9.7	8.2		90
95	9.1	7.8	6.7	9.4	8	6.7	9.5	8	6.7	9.6	8		9.5	8		9.4	8		95
100	8.7	7.6	6.5	9	7.7	6.6	9.1	7.8	6.6	9.3	7.8	6.5	9.2	7.8	6.5	9.2	7.8		100
105	8.3	7.3	6.4	8.7	7.5	6.4	8.8	7.5	6.4	9	7.6	6.4	9	7.6	6.4	8.9	7.6	6.3	105
110	7.9	7.1	6.3	8.3	7.2	6.3	8.5	7.3	6.3	8.7	7.4	6.3	8.7	7.4	6.3	8.7	7.4	6.3	110
115	7.6	6.8	6.2	8	7	6.2	8.2	7.1	6.2	8.4	7.2	6.2	8.4	7.2	6.2	8.5	7.2	6.2	115
120	7.2	6.7	6.1	7.7	6.8	6.1	7.9	6.9	6.1	8.1	7	6.1	8.2	7.1	6.1	8.3	7.1	6.1	120
125	6.9	6.5	6	7.4	6.6	6	7.6	6.8	6.1	7.9	6.9	6.1	7.9	6.9	6	8	6.9	6	125
130	6.5	6.3	6	7	6.5	6	7.3	6.6	6	7.6	6.7	6	7.7	6.8	6	7.8	6.8	5.9	130
135	6.2	6.1	6	6.7	6.4	6	7	6.5	5.9	7.3	6.6	5.9	7.4	6.6	5.9	7.6	6.7	5.9	135
140	6	5.9	6	6.4	6.2	6	6.8	6.3	5.9	7.1	6.4	5.9	7.2	6.5	5.9	7.4	6.5	5.8	140
145	5.7	5.7	6	6.2	6	6	6.5	6.2	5.9	6.8	6.3	5.9	7	6.4	5.8	7.1	6.4	5.8	145
150	5.4	5.5		5.9	5.8	6	6.3	6.1	5.9	6.6	6.2	5.8	6.7	6.2	5.8	6.9	6.3	5.8	150
155				5.7	5.7	6	6.1	5.9	5.9	6.4	6.1	5.8	6.5	6.1	5.8	6.7	6.2	5.8	155
160				5.5	5.5		5.8	5.7	5.9	6.2	5.9	5.8	6.3	6	5.8	6.5	6.1	5.7	160
165				5.3	5.4		5.6	5.6		5.9	5.8	5.8	6.1	5.9	5.8	6.3	6	5.7	165
170							5.4	5.5		5.8	5.6	5.8	5.9	5.7	5.8	6.2	5.8	5.7	170
175							5.3	5.4		5.6	5.5	5.8	5.7	5.6	5.7	6	5.7	5.7	175
180							5.2			5.4	5.4		5.5	5.5	5.7	5.8	5.6	5.7	180
185										5.3	5.3		5.3	5.3	5.5	5.7	5.5	5.7	185
190										5.2	5.3		5.1	5.2		5.5	5.4	5.6	190
195										5.1			4.9	5		5.3	5.3	5.5	195
200													4.7	4.8		5.1	5.2	5.4	200
205													4.6	4.7		5	5		205
210													4.5			4.8	4.9		210
215																4.7	4.8		215
220																4.6	4.7		220

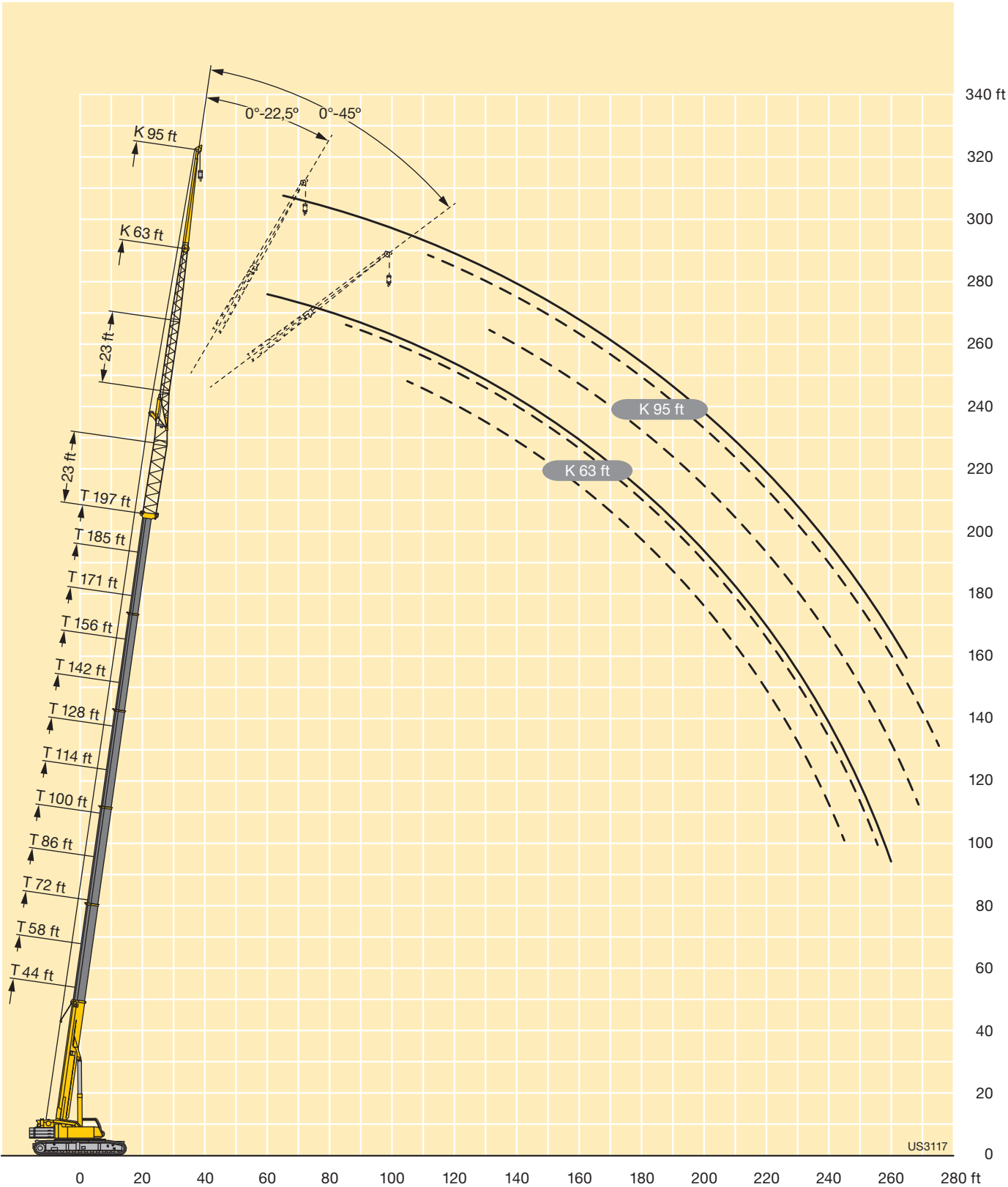
t_242_05410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  23 ft  360°   75%																			
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
45	10.3			9.9															45
50	10.3			9.8															50
55	10.2			9.8			9.2												55
60	10.2			9.7			9.2			8.6			8						60
65	10.1			9.6			9.1			8.6			8			7.2			65
70	10			9.6			9.1			8.5			8			7.2			70
75	9.9			9.5			9			8.5			7.9			7.1			75
80	9.8			9.5			9			8.4			7.9			7.1			80
85	9.6	8.2		9.4			8.9			8.4			7.9			7			85
90	9.4	8		9.2			8.9	7.8		8.3			7.8			6.9			90
95	9.2	7.8		9	7.8		8.8	7.6		8.3			7.8			6.8			95
100	9	7.7		8.9	7.6		8.6	7.5		8.2	7.3		7.7			6.8			100
105	8.8	7.5		8.7	7.5		8.5	7.3		8.1	7.2		7.6	7		6.7			105
110	8.6	7.3		8.5	7.3		8.3	7.2		8	7.1		7.5	6.9		6.6	6.4		110
115	8.4	7.2	6.1	8.3	7.1	6.1	8.1	7		7.8	6.9		7.5	6.8		6.6	6.4		115
120	8.2	7	6.1	8.1	7	6	7.9	6.9	6	7.7	6.8		7.4	6.7		6.5	6.3		120
125	8	6.9	6	7.9	6.9	5.9	7.8	6.8	5.9	7.6	6.7	5.8	7.3	6.6	5.7	6.5	6.3		125
130	7.7	6.8	5.9	7.7	6.8	5.9	7.6	6.7	5.8	7.4	6.6	5.8	7.2	6.5	5.7	6.5	6.2	5.6	130
135	7.5	6.6	5.9	7.5	6.6	5.8	7.4	6.6	5.8	7.3	6.5	5.7	7	6.4	5.6	6.4	6.1	5.5	135
140	7.3	6.5	5.8	7.4	6.5	5.8	7.3	6.5	5.7	7.1	6.4	5.7	6.9	6.3	5.6	6.4	6.1	5.5	140
145	7.1	6.4	5.8	7.2	6.4	5.7	7.1	6.4	5.7	7	6.3	5.6	6.8	6.2	5.6	6.3	6	5.4	145
150	7	6.3	5.7	7	6.3	5.7	6.9	6.3	5.7	6.8	6.2	5.6	6.6	6.1	5.5	6.3	5.9	5.4	150
155	6.8	6.2	5.7	6.8	6.2	5.7	6.8	6.2	5.6	6.7	6.1	5.6	6.5	6	5.5	6.2	5.8	5.4	155
160	6.6	6.1	5.7	6.6	6.1	5.6	6.6	6.1	5.6	6.5	6	5.5	6.4	5.9	5.5	6	5.7	5.4	160
165	6.4	6	5.7	6.5	6	5.6	6.4	6	5.6	6.4	5.9	5.5	6.3	5.8	5.4	6	5.6	5.3	165
170	6.2	5.9	5.7	6.3	5.9	5.6	6.3	5.9	5.6	6.3	5.8	5.5	6.2	5.7	5.4	5.8	5.5	5.3	170
175	6.1	5.8	5.7	6.2	5.8	5.6	6.2	5.8	5.6	6.1	5.7	5.5	6	5.6	5.4	5.7	5.4	5.3	175
180	5.9	5.6	5.6	6	5.7	5.6	6	5.7	5.6	6	5.6	5.5	5.9	5.5	5.4	5.6	5.3	5.3	180
185	5.7	5.5	5.6	5.9	5.6	5.6	5.9	5.6	5.5	5.9	5.5	5.4	5.8	5.5	5.4	5.4	5.3	5.3	185
190	5.5	5.4	5.6	5.7	5.5	5.5	5.8	5.5	5.5	5.8	5.4	5.4	5.5	5.4	5.4	5	5.2	5.2	190
195	5.3	5.3	5.5	5.6	5.4	5.5	5.7	5.4	5.4	5.7	5.4	5.4	5.2	5.3	5.3	4.6	5.1	5.2	195
200	5.1	5.2	5.4	5.4	5.3	5.5	5.5	5.3	5.4	5.5	5.3	5.3	4.7	5.2	5.3	4.1	5	5.1	200
205	4.9	5.1	5.3	5.2	5.2	5.4	5.3	5.2	5.4	5.3	5.2	5.3	4.2	5.1	5.2	3.6	4.9	5	205
210	4.7	4.9		5.1	5.1	5.3	5.1	5.1	5.4	4.8	5.1	5.3	3.7	5	5.2	3.2	4.8	5	210
215	4.5	4.7		4.9	5	5.2	4.9	5	5.3	4.3	5.1	5.2	3.2	4.7	5.2	2.7	4.3	4.9	215
220	4.3	4.5		4.7	4.8	5	4.7	4.9	5.2	3.9	5	5.2	2.7	4.2	5	2.3	3.8	4.7	220
225	4.2	4.3		4.5	4.7		4.4	4.8	5	3.4	4.6	5.1	2.3	3.7	4.5	1.9	3.3	4.3	225
230	4	4.1		4.4	4.5		4	4.6	4.7	3	4.1	4.6	1.9	3.1	3.9		2.8	3.7	230
235	3.9			4.2	4.4		3.6	4.4	4.5	2.6	3.6	4.1	1.3	2.7	3.3		2.4	3.2	235
240				4.1	4.2		3.2	3.9		2.2	3.2	3.5		2.2	2.8		1.9	2.7	240
245				3.9	4.1		2.9	3.5		1.9	2.7	3		1.8	2.2		1.5	2.2	245
250				3.2			2.5	3		1.5	2.3	2.4			1.7			1.6	250
255							2.2	2.6			1.9								255
260							1.9				1.5								260

t_242_05410_00_000



Lifting capacities Forces de levage

TVNZK



 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	22.6			20.2															22
24	22.5			20.2															24
26	22.5			20.2															26
28	22.4			20.2			18.2												28
30	22.2			20.2			18.2												30
32	21.9			20.1			18.1			16.9									32
34	21.6			20			18.1			16.9									34
36	21.2			19.9			18			16.8			15.3						36
38	20.7			19.8			17.9			16.7			15.3			14.4			38
40	20.2			19.6			17.8			16.7			15.2			14.3			40
45	18.9			19			17.6			16.5			15.1			14.2			45
50	17.7			18.2			17.2			16.3			14.9			14.1			50
55	16.5	13.3		17.4			16.6			16.1			14.8			14			55
60	15.4	12.6		16.5	12.5		15.9			15.5			14.6			13.8			60
65	14.4	11.9		15.6	11.9		15.1	11.7		14.9	11.6		14.2			13.7			65
70	13.5	11.2		14.7	11.3		14.4	11.2		14.3	11.2		13.7			13.4			70
75	12.6	10.6		13.8	10.8		13.7	10.7		13.7	10.7		13.2	10.5		12.9			75
80	11.7	10.1	8.3	13	10.3	8.3	13	10.3		13.1	10.3		12.7	10.1		12.5	10.1		80
85	10.9	9.6	8	12.3	9.8	8.1	12.3	9.9	8	12.5	9.9		12.2	9.8		12	9.8		85
90	10.2	9.2	7.8	11.5	9.4	7.9	11.7	9.5	7.9	11.9	9.6		11.7	9.5		11.6	9.5		90
95	9.6	8.9	7.6	10.8	9.1	7.7	11	9.2	7.7	11.3	9.3	7.7	11.2	9.2	7.6	11.2	9.2		95
100	9	8.5	7.4	10.2	8.8	7.5	10.4	8.9	7.5	10.8	9	7.5	10.7	9	7.5	10.7	9	7.5	100
105	8.5	8.2	7.3	9.6	8.5	7.4	9.9	8.6	7.4	10.3	8.7	7.4	10.3	8.7	7.4	10.3	8.7	7.4	105
110	8	8	7.2	9	8.2	7.3	9.4	8.4	7.3	9.8	8.5	7.3	9.8	8.5	7.3	9.9	8.6	7.2	110
115	7.6	7.7	7.1	8.6	8	7.1	8.9	8.1	7.2	9.3	8.3	7.2	9.4	8.3	7.2	9.6	8.3	7.2	115
120	7.2	7.4	7	8.2	7.7	7.1	8.5	7.9	7.1	8.9	8.1	7.1	9	8.1	7.1	9.2	8.2	7.1	120
125	6.9	7	7	7.8	7.4	7	8.2	7.7	7	8.6	7.8	7	8.7	7.9	7	8.9	8	7	125
130	6.6	6.7	6.8	7.4	7.2	7	7.8	7.4	6.9	8.2	7.6	6.9	8.4	7.7	6.9	8.6	7.8	6.9	130
135	6.3	6.4	6.7	7.1	6.9	6.9	7.5	7.1	6.9	7.9	7.4	6.9	8.1	7.5	6.9	8.3	7.6	6.9	135
140	6	6.2		6.8	6.6	6.7	7.2	6.9	6.8	7.6	7.1	6.9	7.8	7.2	6.8	8	7.4	6.8	140
145	5.8			6.5	6.4		6.9	6.7	6.7	7.3	6.9	6.8	7.5	7.1	6.8	7.8	7.2	6.8	145
150				6.2	6.2		6.7	6.5	6.6	7.1	6.7	6.7	7.2	6.9	6.7	7.5	7	6.7	150
155				6	6.1		6.4	6.3	6.5	6.8	6.5	6.6	6.9	6.7	6.6	7.3	6.8	6.7	155
160							6.2	6.1		6.6	6.4	6.5	6.6	6.5	6.5	7	6.6	6.6	160
165							6	6		6.4	6.2	6.5	6.3	6.3	6.4	6.8	6.5	6.5	165
170							5.8	6		6.2	6.1		6.1	6.1	6.3	6.5	6.3	6.4	170
175										6	5.9		5.8	5.9	6.1	6.3	6.2	6.3	175
180										5.8	5.9		5.6	5.7		6.1	6	6.2	180
185										5.7			5.4	5.5		5.9	5.9	6	185
190													5.2	5.3		5.7	5.7	5.9	190
195													5	5.1		5.5	5.5		195
200													4.9			5.3	5.4		200
205																5.1	5.2		205
210																5	5.1		210
215																4.8			215

t_242_04400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  23.9 ft  23 ft  86 ft  360°  154350 lbs  44100 lbs  75% 																			
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
45	13.1			12.3															45
50	13			12.2															50
55	12.8			12.1			11.2												55
60	12.7			12			11.1			10.3			9.4						60
65	12.5			11.9			11			10.2			9.4			8.3			65
70	12.3			11.8			10.8			10.1			9.3			8.2			70
75	12.1			11.6			10.7			10			9.1			8.1			75
80	11.8	9.8		11.4			10.5			9.9			9.1			8			80
85	11.5	9.6		11.2	9.5		10.4			9.7			9			7.9			85
90	11.2	9.3		10.9	9.2		10.2			9.6			8.9			7.8			90
95	10.8	9.1		10.6	9		10.1	8.9		9.5	8.7		8.8			7.7			95
100	10.5	8.9		10.2	8.8		9.9	8.7		9.3	8.5		8.7	8.1		7.6			100
105	10.1	8.7	7.3	9.9	8.6	7.2	9.6	8.5		9.2	8.4		8.6	8		7.5	7.1		105
110	9.7	8.5	7.2	9.7	8.5	7.2	9.4	8.3		9	8.2		8.5	7.9		7.4	7.1		110
115	9.4	8.3	7.1	9.4	8.3	7.1	9.1	8.2	7	8.8	8.1	6.9	8.4	7.8		7.4	7.1		115
120	9.1	8.1	7	9.1	8.1	7	8.9	8	6.9	8.7	7.9	6.8	8.2	7.7	6.7	7.4	7.1		120
125	8.8	7.9	6.9	8.8	7.9	6.9	8.7	7.8	6.9	8.5	7.7	6.8	8.1	7.5	6.7	7.3	7	6.5	125
130	8.6	7.7	6.9	8.6	7.8	6.9	8.4	7.6	6.8	8.3	7.5	6.7	8	7.3	6.6	7.3	6.9	6.4	130
135	8.3	7.5	6.8	8.4	7.6	6.8	8.2	7.5	6.7	8.1	7.4	6.7	7.8	7.2	6.6	7.2	6.8	6.3	135
140	8.1	7.4	6.8	8.1	7.4	6.8	8	7.3	6.7	7.9	7.2	6.6	7.7	7.1	6.5	7.2	6.7	6.3	140
145	7.8	7.2	6.8	7.9	7.2	6.7	7.8	7.1	6.7	7.7	7.1	6.6	7.5	6.9	6.5	7.1	6.6	6.2	145
150	7.6	7	6.7	7.7	7.1	6.7	7.6	7	6.6	7.6	6.9	6.5	7.4	6.8	6.4	7	6.5	6.1	150
155	7.4	6.8	6.6	7.5	6.9	6.6	7.4	6.8	6.6	7.4	6.8	6.5	7.2	6.6	6.4	6.9	6.4	6.1	155
160	7.1	6.7	6.6	7.3	6.7	6.5	7.3	6.7	6.5	7.2	6.7	6.4	7.1	6.5	6.3	6.7	6.3	6	160
165	6.9	6.5	6.5	7.1	6.6	6.5	7.1	6.6	6.4	7.1	6.5	6.3	6.9	6.4	6.2	6.6	6.2	6	165
170	6.6	6.4	6.4	6.9	6.4	6.4	6.9	6.4	6.3	6.9	6.4	6.3	6.8	6.3	6.2	6.3	6.1	5.9	170
175	6.4	6.3	6.3	6.7	6.3	6.3	6.8	6.3	6.3	6.8	6.3	6.2	6.6	6.2	6.1	6.1	6	5.8	175
180	6.1	6.1	6.2	6.5	6.2	6.2	6.6	6.2	6.2	6.6	6.2	6.1	6.5	6.1	6	5.9	5.9	5.8	180
185	5.8	6	6.2	6.2	6.1	6.1	6.3	6.1	6.1	6.5	6.1	6.1	6.4	6	6	5.7	5.7	5.7	185
190	5.6	5.8	6	6	6	6.1	6.1	6	6	6.3	6	6	6.3	5.9	5.9	5.5	5.6	5.6	190
195	5.4	5.6	5.7	5.8	5.8	6	5.9	5.9	6	6.1	5.9	6	6.2	5.8	5.8	5.3	5.5	5.6	195
200	5.2	5.3	5.5	5.6	5.7	5.9	5.7	5.8	5.9	5.9	5.8	5.9	6	5.7	5.8	5.1	5.3	5.4	200
205	5	5.1		5.4	5.5	5.7	5.4	5.6	5.8	5.7	5.7	5.9	5.8	5.6	5.8	4.9	5.1	5.3	205
210	4.8	4.9		5.2	5.3	5.5	5.2	5.4	5.7	5.5	5.6	5.8	5.7	5.6	5.7	4.6	4.9	5.2	210
215	4.6	4.7		5	5.1		5	5.2	5.4	5.3	5.5	5.7	5.5	5.5	5.7	4.4	4.7	5	215
220	4.4	4.5		4.8	4.9		4.8	5	5.2	5.1	5.3	5.5	5.3	5.4	5.6	4.2	4.5	4.8	220
225	4.3			4.6	4.8		4.6	4.8	4.9	4.9	5.1	5.3	5	5.3	5.5	4	4.3	4.6	225
230				4.5	4.6		4.3	4.6	4.6	4.7	4.9	5.1	4.6	5.1	5.3	3.8	4.1	4.4	230
235				4.4	4.5		4.1	4.3		4.5	4.7	4.9	4.1	4.9	5.1	3.6	3.9	4.2	235
240				4.1			4	4.1		4.4	4.6	4.7	3.7	4.6	4.9	3.3	3.7	4	240
245							3.8	3.9		4.2	4.4	4.5	3.3	4.1	4.4	2.9	3.5	3.8	245
250							3.6	3.7		4	4.2		2.9	3.7	3.8	2.5	3.3	3.5	250
255							1.7			3.7	4		2.5	3.2	3.3	2.1	3	3.2	255
260										3.3	3.7		2.1	2.7		1.8	2.5	2.7	260
265										1.7			1.7	2.3		1.3	2.1	2.2	265
270													1.4	1.9			1.7		270
275														1.4					275

t_242_04400_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 86 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
22	22.6			20.2															22
24	22.5			20.2															24
26	22.5			20.2															26
28	22.4			20.2			18.2												28
30	22.2			20.2			18.2												30
32	21.9			20.1			18.1			16.9									32
34	21.6			20			18.1			16.9									34
36	21.2			19.9			18			16.8			15.3						36
38	20.7			19.8			17.9			16.7			15.3			14.4			38
40	20.2			19.6			17.8			16.7			15.2			14.3			40
45	18.9			19			17.6			16.5			15.1			14.2			45
50	17.7			18.2			17.2			16.3			14.9			14.1			50
55	16.5	13.3		17.4			16.6			16.1			14.8			14			55
60	15.4	12.6		16.5	12.5		15.9			15.5			14.6			13.8			60
65	14.4	11.9		15.6	11.9		15.1	11.7		14.9	11.6		14.2			13.7			65
70	13.5	11.2		14.7	11.3		14.4	11.2		14.3	11.2		13.7			13.4			70
75	12.6	10.6		13.8	10.8		13.7	10.7		13.7	10.7		13.2	10.5		12.9			75
80	11.7	10.1	8.3	13	10.3	8.3	13	10.3		13.1	10.3		12.7	10.1		12.5	10.1		80
85	10.9	9.6	8	12.3	9.8	8.1	12.3	9.9	8	12.5	9.9		12.2	9.8		12	9.8		85
90	10.2	9.2	7.8	11.5	9.4	7.9	11.7	9.5	7.9	11.9	9.6		11.7	9.5		11.6	9.5		90
95	9.6	8.9	7.6	10.8	9.1	7.7	11	9.2	7.7	11.3	9.3	7.7	11.2	9.2	7.6	11.2	9.2		95
100	9	8.5	7.4	10.2	8.8	7.5	10.4	8.9	7.5	10.8	9	7.5	10.7	9	7.5	10.7	9	7.5	100
105	8.5	8.2	7.3	9.6	8.5	7.4	9.9	8.6	7.4	10.3	8.7	7.4	10.3	8.7	7.4	10.3	8.7	7.4	105
110	8	8	7.2	9	8.2	7.3	9.4	8.4	7.3	9.8	8.5	7.3	9.8	8.5	7.3	9.9	8.6	7.2	110
115	7.6	7.7	7.1	8.6	8	7.1	8.9	8.1	7.2	9.3	8.3	7.2	9.4	8.3	7.2	9.6	8.3	7.2	115
120	7.2	7.4	7	8.2	7.7	7.1	8.5	7.9	7.1	8.9	8.1	7.1	9	8.1	7.1	9.2	8.2	7.1	120
125	6.9	7	7	7.8	7.4	7	8.2	7.7	7	8.6	7.8	7	8.7	7.9	7	8.9	8	7	125
130	6.6	6.7	6.8	7.4	7.2	7	7.8	7.4	6.9	8.2	7.6	6.9	8.4	7.7	6.9	8.6	7.8	6.9	130
135	6.3	6.4	6.7	7.1	6.9	6.9	7.5	7.1	6.9	7.9	7.4	6.9	8.1	7.5	6.9	8.3	7.6	6.9	135
140	6	6.2		6.8	6.6	6.7	7.2	6.9	6.8	7.6	7.1	6.9	7.8	7.2	6.8	8	7.4	6.8	140
145	5.8			6.5	6.4		6.9	6.7	6.7	7.3	6.9	6.8	7.5	7.1	6.8	7.8	7.2	6.8	145
150				6.2	6.2		6.7	6.5	6.6	7.1	6.7	6.7	7.2	6.9	6.7	7.5	7	6.7	150
155				6	6.1		6.4	6.3	6.5	6.8	6.5	6.6	6.9	6.7	6.6	7.3	6.8	6.7	155
160							6.2	6.1		6.6	6.4	6.5	6.6	6.5	6.5	7	6.6	6.6	160
165							6	6		6.4	6.2	6.5	6.3	6.3	6.4	6.8	6.5	6.5	165
170							5.8	6		6.2	6.1		6.1	6.1	6.3	6.5	6.3	6.4	170
175										6	5.9		5.8	5.9	6.1	6.3	6.2	6.3	175
180										5.8	5.9		5.6	5.7		6.1	6	6.2	180
185										5.7			5.4	5.5		5.9	5.9	6	185
190													5.2	5.3		5.7	5.7	5.9	190
195													5	5.1		5.5	5.5		195
200													4.9			5.3	5.4		200
205																5.1	5.2		205
210																5	5.1		210
215																4.8			215

t_242_04410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 86 ft  NZK 360°  154350 lbs  44100 lbs  75% 																																					
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft																		
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft																					
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°																			
45	13.1			12.3															45																		
50	13			12.2															50																		
55	12.8			12.1			11.2												55																		
60	12.7			12			11.1			10.3			9.4						60																		
65	12.5			11.9			11			10.2			9.4			8.3			65																		
70	12.3			11.8			10.8			10.1			9.3			8.2			70																		
75	12.1			11.6			10.7			10			9.1			8.1			75																		
80	11.8	9.8		11.4			10.5			9.9			9.1			8			80																		
85	11.5	9.6		11.2	9.5		10.4			9.7			9			7.9			85																		
90	11.2	9.3		10.9	9.2		10.2			9.6			8.9			7.8			90																		
95	10.8	9.1		10.6	9		10.1	8.9		9.5	8.7		8.8			7.7			95																		
100	10.5	8.9		10.2	8.8		9.9	8.7		9.3	8.5		8.7	8.1		7.6			100																		
105	10.1	8.7	7.3	9.9	8.6	7.2	9.6	8.5		9.2	8.4		8.6	8		7.5	7.1		105																		
110	9.7	8.5	7.2	9.7	8.5	7.2	9.4	8.3		9	8.2		8.5	7.9		7.4	7.1		110																		
115	9.4	8.3	7.1	9.4	8.3	7.1	9.1	8.2	7	8.8	8.1	6.9	8.4	7.8		7.4	7.1		115																		
120	9.1	8.1	7	9.1	8.1	7	8.9	8	6.9	8.7	7.9	6.8	8.2	7.7	6.7	7.4	7.1		120																		
125	8.8	7.9	6.9	8.8	7.9	6.9	8.7	7.8	6.9	8.5	7.7	6.8	8.1	7.5	6.7	7.3	7	6.5	125																		
130	8.6	7.7	6.9	8.6	7.8	6.9	8.4	7.6	6.8	8.3	7.5	6.7	8	7.3	6.6	7.3	6.9	6.4	130																		
135	8.3	7.5	6.8	8.4	7.6	6.8	8.2	7.5	6.7	8.1	7.4	6.7	7.8	7.2	6.6	7.2	6.8	6.3	135																		
140	8.1	7.4	6.8	8.1	7.4	6.8	8	7.3	6.7	7.9	7.2	6.6	7.7	7.1	6.5	7.2	6.7	6.3	140																		
145	7.8	7.2	6.8	7.9	7.2	6.7	7.8	7.1	6.7	7.7	7.1	6.6	7.5	6.9	6.5	7.1	6.6	6.2	145																		
150	7.6	7	6.7	7.7	7.1	6.7	7.6	7	6.6	7.6	6.9	6.5	7.4	6.8	6.4	7	6.5	6.1	150																		
155	7.4	6.8	6.6	7.5	6.9	6.6	7.4	6.8	6.6	7.4	6.8	6.5	7.2	6.6	6.4	6.9	6.4	6.1	155																		
160	7.1	6.7	6.6	7.3	6.7	6.5	7.3	6.7	6.5	7.2	6.7	6.4	7.1	6.5	6.3	6.7	6.3	6	160																		
165	6.9	6.5	6.5	7.1	6.6	6.5	7.1	6.6	6.4	7.1	6.5	6.3	6.9	6.4	6.2	6.6	6.2	6	165																		
170	6.6	6.4	6.4	6.9	6.4	6.4	6.9	6.4	6.3	6.9	6.4	6.3	6.8	6.3	6.2	6.3	6.1	5.9	170																		
175	6.4	6.3	6.3	6.7	6.3	6.3	6.8	6.3	6.3	6.8	6.3	6.2	6.6	6.2	6.1	6.1	6	5.8	175																		
180	6.1	6.1	6.2	6.5	6.2	6.2	6.6	6.2	6.2	6.6	6.2	6.1	6.5	6.1	6	5.9	5.9	5.8	180																		
185	5.8	6	6.2	6.2	6.1	6.1	6.3	6.1	6.1	6.5	6.1	6.1	6	6	6	5.4	5.7	5.7	185																		
190	5.6	5.8	6	6	6	6.1	6.1	6	6	6.3	6	6	5.5	5.9	5.9	4.9	5.6	5.6	190																		
195	5.4	5.6	5.7	5.8	5.8	6	5.9	5.9	6	6	5.9	6	5	5.8	5.8	4.4	5.5	5.6	195																		
200	5.2	5.3	5.5	5.6	5.7	5.9	5.7	5.8	5.9	5.6	5.8	5.9	4.4	5.7	5.8	3.9	5.3	5.4	200																		
205	5	5.1		5.4	5.5	5.7	5.4	5.6	5.8	5	5.7	5.9	3.9	5.3	5.8	3.4	4.9	5.3	205																		
210	4.8	4.9		5.2	5.3	5.5	5.2	5.4	5.7	4.5	5.6	5.8	3.3	4.8	5.5	2.9	4.4	5.1	210																		
215	4.6	4.7		5	5.1		4.9	5.2	5.4	4	5.2	5.6	2.9	4.2	5	2.5	3.9	4.8	215																		
220	4.4	4.5		4.8	4.9		4.5	5	5.2	3.6	4.6	5.2	2.4	3.7	4.4	2	3.4	4.2	220																		
225	4.3			4.6	4.8		4.1	4.8	4.9	3.1	4.1	4.5	2	3.2	3.8	1.5	2.9	3.6	225																		
230				4.5	4.6		3.7	4.4	4.5	2.7	3.6	4	1.5	2.7	3.2		2.4	3.1	230																		
235				4.3	4.5		3.3	3.9		2.3	3.1	3.4		2.2	2.6		2	2.5	235																		
240				4			2.9	3.4		2	2.7	2.8		1.7	2.1		1.4	2	240																		
245							2.6	3		1.6	2.3	2.3			1.5			1.4	245																		
250							2.3	2.5			1.8								250																		
255							1.7				1.4								255																		

t_242_04410_00_000

Lifting capacities Forces de levage

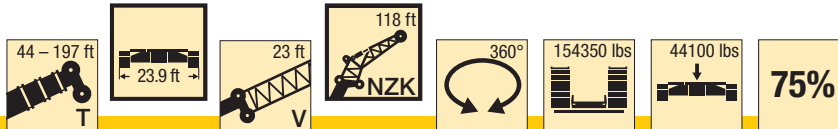
TVNZK

44 – 197 ft  T 23.9 ft  23 ft  V 118 ft  NZK 360°  154350 lbs  44100 lbs  75% 																			
 ft	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			 ft
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	10.1																		24
26	10.5																		26
28	10.8			9.9															28
30	11			10.1															30
32	11			10.3			9.3												32
34	10.9			10.3			9.4			8.9									34
36	10.9			10.3			9.5			9									36
38	10.8			10.2			9.5			9.1									38
40	10.8			10.2			9.5			9									40
45	10.5			10.1			9.4			9			8.4			8.1			45
50	10.2			9.9			9.3			8.9			8.4			8			50
55	9.8			9.6			9.1			8.8			8.3			8			55
60	9.4			9.3			8.9			8.7			8.3			7.9			60
65	9.1			9			8.7			8.5			8.2			7.9			65
70	8.7	7.2		8.6			8.4			8.3			8			7.8			70
75	8.3	6.9		8.3			8.1			8			7.8			7.6			75
80	7.9	6.6		8	6.6		7.9			7.8			7.6			7.4			80
85	7.5	6.3		7.7	6.3		7.6	6.2		7.5	6.2		7.4			7.2			85
90	7.2	6		7.3	6.1		7.3	6		7.3	6		7.1	5.9		7.1	5.8		90
95	6.9	5.8		7	5.8		7	5.8		7.1	5.8		6.9	5.7		6.9	5.7		95
100	6.6	5.5		6.7	5.6		6.8	5.6		6.8	5.6		6.7	5.5		6.7	5.5		100
105	6.2	5.3	4.4	6.4	5.4		6.5	5.4		6.6	5.4		6.5	5.4		6.5	5.3		105
110	6	5.1	4.3	6.2	5.2	4.3	6.3	5.2	4.3	6.4	5.3		6.3	5.2		6.3	5.2		110
115	5.7	4.9	4.2	5.9	5	4.2	6	5.1	4.2	6.2	5.1		6.1	5.1		6.1	5.1		115
120	5.4	4.8	4.1	5.7	4.9	4.1	5.8	4.9	4.1	5.9	4.9	4.1	6	4.9		6	4.9		120
125	5.2	4.6	4	5.5	4.7	4	5.6	4.7	4	5.7	4.8	4	5.8	4.8	4	5.8	4.8	3.9	125
130	5	4.4	3.9	5.3	4.6	3.9	5.4	4.6	3.9	5.5	4.6	3.9	5.6	4.7	3.9	5.6	4.7	3.9	130
135	4.8	4.3	3.8	5	4.4	3.9	5.2	4.5	3.8	5.3	4.5	3.8	5.4	4.5	3.8	5.5	4.5	3.8	135
140	4.6	4.2	3.8	4.9	4.3	3.8	5	4.3	3.8	5.2	4.4	3.8	5.2	4.4	3.8	5.3	4.4	3.7	140
145	4.4	4	3.7	4.7	4.2	3.7	4.8	4.2	3.7	5	4.3	3.7	5.1	4.3	3.7	5.1	4.3	3.7	145
150	4.2	3.9	3.7	4.5	4	3.7	4.7	4.1	3.7	4.9	4.2	3.7	4.9	4.2	3.7	5	4.2	3.6	150
155	4	3.8	3.7	4.3	3.9	3.7	4.5	4	3.6	4.7	4.1	3.6	4.8	4.1	3.6	4.9	4.2	3.6	155
160	3.8	3.7	3.7	4.2	3.9	3.6	4.4	3.9	3.6	4.6	4	3.6	4.6	4	3.6	4.7	4.1	3.6	160
165	3.7	3.7	3.7	4	3.8	3.6	4.2	3.9	3.6	4.4	3.9	3.6	4.5	3.9	3.5	4.6	4	3.5	165
170	3.5	3.7		3.9	3.7	3.6	4.1	3.8	3.6	4.3	3.8	3.6	4.4	3.9	3.5	4.5	3.9	3.5	170
175	3.4	3.7		3.7	3.7		4	3.7	3.6	4.1	3.8	3.6	4.3	3.8	3.5	4.4	3.8	3.5	175
180				3.6	3.6		3.8	3.6	3.6	4.1	3.7	3.6	4.1	3.7	3.5	4.3	3.8	3.5	180
185				3.4	3.6		3.7	3.6	3.6	3.9	3.6	3.6	4	3.7	3.5	4.1	3.7	3.5	185
190				3.3			3.6	3.6		3.8	3.6	3.6	3.9	3.6	3.5	4	3.6	3.5	190
195							3.5	3.6		3.7	3.6	3.6	3.8	3.6	3.5	3.9	3.6	3.5	195
200							3.4	3.5		3.6	3.5		3.8	3.5	3.5	3.8	3.5	3.5	200
205							3.3			3.5	3.5		3.7	3.5	3.5	3.8	3.5	3.5	205
210										3.4	3.5		3.5	3.5		3.7	3.5	3.5	210
215										3.3	3.5		3.5	3.4		3.6	3.4	3.5	215
220													3.4	3.4		3.5	3.4		220
225													3.2	3.3		3.4	3.4		225
230													3.1			3.3	3.3		230
235																3.2	3.3		235
240																3.2	3.3		240
245																3.2			245

t_242_06400_00_000

Lifting capacities Forces de levage

TVNZK



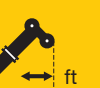
	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
55	7.5			7.2															55
60	7.5			7.2			6.7												60
65	7.4			7.1			6.7			6.2			5.7						65
70	7.4			7.1			6.6			6.1			5.6			4.5			70
75	7.3			7			6.6			6.1			5.6			4.5			75
80	7.2			7			6.5			6.1			5.6			4.5			80
85	7			6.8			6.5			6			5.6			4.5			85
90	6.8			6.7			6.4			6			5.5			4.4			90
95	6.7			6.6			6.3			6			5.5			4.3			95
100	6.5	5.4		6.4			6.2			5.9			5.5			4.3			100
105	6.4	5.3		6.3	5.2		6.1			5.8			5.4			4.2			105
110	6.2	5.1		6.1	5.1		6	5		5.7	4.9		5.4			4.1			110
115	6	5		6	5		5.8	4.9		5.6	4.8		5.3			4.1			115
120	5.9	4.9		5.8	4.8		5.7	4.8		5.5	4.7		5.2	4.6		4			120
125	5.7	4.7		5.7	4.7		5.6	4.6		5.4	4.6		5.2	4.5		4	4.2		125
130	5.6	4.6	3.8	5.5	4.6	3.8	5.4	4.5		5.3	4.5		5.1	4.4		3.9	4.1		130
135	5.4	4.5	3.8	5.4	4.5	3.8	5.3	4.5		5.2	4.4		5	4.3		3.9	4.1		135
140	5.3	4.4	3.7	5.3	4.4	3.7	5.2	4.4	3.6	5.1	4.3		4.9	4.2		3.8	4		140
145	5.2	4.3	3.7	5.2	4.3	3.6	5.1	4.3	3.6	5	4.2	3.5	4.8	4.1		3.8	4		145
150	5	4.2	3.6	5	4.2	3.6	5	4.2	3.6	4.9	4.1	3.5	4.7	4	3.4	3.7	3.9		150
155	4.9	4.2	3.6	4.9	4.2	3.6	4.9	4.1	3.5	4.8	4.1	3.5	4.7	4	3.4	3.7	3.8		155
160	4.8	4.1	3.5	4.8	4.1	3.5	4.7	4	3.5	4.7	4	3.4	4.6	3.9	3.4	3.7	3.8	3.3	160
165	4.6	4	3.5	4.7	4	3.5	4.6	4	3.4	4.6	3.9	3.4	4.5	3.8	3.3	3.6	3.7	3.3	165
170	4.5	3.9	3.5	4.6	3.9	3.4	4.5	3.9	3.4	4.5	3.9	3.4	4.4	3.8	3.3	3.6	3.7	3.2	170
175	4.4	3.8	3.4	4.5	3.9	3.4	4.4	3.8	3.4	4.4	3.8	3.3	4.3	3.7	3.3	3.5	3.6	3.2	175
180	4.3	3.8	3.4	4.3	3.8	3.4	4.3	3.8	3.4	4.3	3.7	3.3	4.2	3.7	3.3	3.5	3.6	3.2	180
185	4.2	3.7	3.4	4.2	3.7	3.4	4.2	3.7	3.3	4.2	3.7	3.3	4.1	3.6	3.2	3.5	3.5	3.2	185
190	4.1	3.6	3.4	4.2	3.7	3.4	4.1	3.6	3.3	4.1	3.6	3.3	4.1	3.6	3.2	3.5	3.5	3.2	190
195	4	3.6	3.4	4.1	3.6	3.4	4.1	3.6	3.3	4.1	3.6	3.3	4	3.5	3.2	3.5	3.4	3.1	195
200	3.9	3.5	3.4	4	3.6	3.4	4	3.5	3.3	4	3.5	3.3	3.9	3.5	3.2	3.5	3.4	3.1	200
205	3.8	3.5	3.4	3.9	3.5	3.4	3.9	3.5	3.3	3.9	3.5	3.3	3.8	3.4	3.2	3.5	3.3	3.1	205
210	3.7	3.5	3.4	3.8	3.5	3.4	3.8	3.4	3.3	3.8	3.4	3.3	3.8	3.4	3.2	3.5	3.3	3.1	210
215	3.7	3.4	3.4	3.7	3.4	3.4	3.8	3.4	3.3	3.7	3.4	3.3	3.7	3.3	3.2	3.4	3.2	3.1	215
220	3.6	3.4	3.4	3.6	3.4	3.4	3.7	3.4	3.3	3.7	3.3	3.3	3.6	3.3	3.2	3.3	3.2	3.1	220
225	3.5	3.4	3.4	3.5	3.4	3.4	3.6	3.3	3.3	3.6	3.3	3.3	3.5	3.3	3.2	3.1	3.2	3.1	225
230	3.3	3.3	3.4	3.5	3.3	3.4	3.5	3.3	3.3	3.5	3.3	3.3	3.5	3.2	3.2	2.9	3.2	3.1	230
235	3.2	3.3		3.4	3.3	3.4	3.4	3.3	3.3	3.4	3.2	3.3	3.4	3.2	3.2	2.7	3.1	3	235
240	3.1	3.2		3.3	3.3	3.4	3.3	3.2	3.3	3.4	3.2	3.3	3.3	3.2	3.2	2.6	3	3	240
245	2.9	3.1		3.2	3.2		3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.1	3.2	2.4	2.8	3	245
250	2.8	2.9		3.1	3.2		3	3.2	3.3	3.2	3.2	3.3	3	3.1	3.2	2.2	2.7	3	250
255	2.7			3	3.1		2.9	3.1	3.3	3.1	3.1	3.3	2.7	3.1	3.2	2	2.5	2.8	255
260	2.4			2.9	3		2.7	3		3	3.1	3.3	2.3	3	3.2	1.8	2.4	2.7	260
265				2.8	2.9		2.5	2.8		2.8	3	3.2	1.9	3	3.2	1.4	2.2	2.5	265
270				2.7			2.4	2.6		2.7	2.9	3.1	1.6	2.7	3.2		2	2.3	270
275							2.2			2.5	2.8			2.3	2.8			2.1	275
280							2			2.2	2.6			1.9	2.2			1.8	280
285										1.9	2.5			1.6					285
290										1.5									290

t_242_06400_00_000

Lifting capacities Forces de levage

TVNZK



	44 ft + 23 ft			58 ft + 23 ft			72 ft + 23 ft			86 ft + 23 ft			100 ft + 23 ft			114 ft + 23 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	10.1																		24
26	10.5																		26
28	10.8			9.9															28
30	11			10.1															30
32	11			10.3			9.3												32
34	10.9			10.3			9.4			8.9									34
36	10.9			10.3			9.5			9									36
38	10.8			10.2			9.5			9.1									38
40	10.8			10.2			9.5			9									40
45	10.5			10.1			9.4			9			8.4			8.1			45
50	10.2			9.9			9.3			8.9			8.4			8			50
55	9.8			9.6			9.1			8.8			8.3			8			55
60	9.4			9.3			8.9			8.7			8.3			7.9			60
65	9.1			9			8.7			8.5			8.2			7.9			65
70	8.7	7.2		8.6			8.4			8.3			8			7.8			70
75	8.3	6.9		8.3			8.1			8			7.8			7.6			75
80	7.9	6.6		8	6.6		7.9			7.8			7.6			7.4			80
85	7.5	6.3		7.7	6.3		7.6	6.2		7.5	6.2		7.4			7.2			85
90	7.2	6		7.3	6.1		7.3	6		7.3	6		7.1	5.9		7.1	5.8		90
95	6.9	5.8		7	5.8		7	5.8		7.1	5.8		6.9	5.7		6.9	5.7		95
100	6.6	5.5		6.7	5.6		6.8	5.6		6.8	5.6		6.7	5.5		6.7	5.5		100
105	6.2	5.3	4.4	6.4	5.4		6.5	5.4		6.6	5.4		6.5	5.4		6.5	5.3		105
110	6	5.1	4.3	6.2	5.2	4.3	6.3	5.2	4.3	6.4	5.3		6.3	5.2		6.3	5.2		110
115	5.7	4.9	4.2	5.9	5	4.2	6	5.1	4.2	6.2	5.1		6.1	5.1		6.1	5.1		115
120	5.4	4.8	4.1	5.7	4.9	4.1	5.8	4.9	4.1	5.9	4.9	4.1	6	4.9		6	4.9		120
125	5.2	4.6	4	5.5	4.7	4	5.6	4.7	4	5.7	4.8	4	5.8	4.8	4	5.8	4.8	3.9	125
130	5	4.4	3.9	5.3	4.6	3.9	5.4	4.6	3.9	5.5	4.6	3.9	5.6	4.7	3.9	5.6	4.7	3.9	130
135	4.8	4.3	3.8	5	4.4	3.9	5.2	4.5	3.8	5.3	4.5	3.8	5.4	4.5	3.8	5.5	4.5	3.8	135
140	4.6	4.2	3.8	4.9	4.3	3.8	5	4.3	3.8	5.2	4.4	3.8	5.2	4.4	3.8	5.3	4.4	3.7	140
145	4.4	4	3.7	4.7	4.2	3.7	4.8	4.2	3.7	5	4.3	3.7	5.1	4.3	3.7	5.1	4.3	3.7	145
150	4.2	3.9	3.7	4.5	4	3.7	4.7	4.1	3.7	4.9	4.2	3.7	4.9	4.2	3.7	5	4.2	3.6	150
155	4	3.8	3.7	4.3	3.9	3.7	4.5	4	3.6	4.7	4.1	3.6	4.8	4.1	3.6	4.9	4.2	3.6	155
160	3.8	3.7	3.7	4.2	3.9	3.6	4.4	3.9	3.6	4.6	4	3.6	4.6	4	3.6	4.7	4.1	3.6	160
165	3.7	3.7	3.7	4	3.8	3.6	4.2	3.9	3.6	4.4	3.9	3.6	4.5	3.9	3.5	4.6	4	3.5	165
170	3.5	3.7		3.9	3.7	3.6	4.1	3.8	3.6	4.3	3.8	3.6	4.4	3.9	3.5	4.5	3.9	3.5	170
175	3.4	3.7		3.7	3.7		4	3.7	3.6	4.1	3.8	3.6	4.3	3.8	3.5	4.4	3.8	3.5	175
180				3.6	3.6		3.8	3.6	3.6	4.1	3.7	3.6	4.1	3.7	3.5	4.3	3.8	3.5	180
185				3.4	3.6		3.7	3.6	3.6	3.9	3.6	3.6	4	3.7	3.5	4.1	3.7	3.5	185
190				3.3			3.6	3.6		3.8	3.6	3.6	3.9	3.6	3.5	4	3.6	3.5	190
195							3.5	3.6		3.7	3.6	3.6	3.8	3.6	3.5	3.9	3.6	3.5	195
200							3.4	3.5		3.6	3.5		3.8	3.5	3.5	3.8	3.5	3.5	200
205							3.3			3.5	3.5		3.7	3.5	3.5	3.8	3.5	3.5	205
210										3.4	3.5		3.5	3.5		3.7	3.5	3.5	210
215										3.3	3.5		3.5	3.4		3.6	3.4	3.5	215
220													3.4	3.4		3.5	3.4		220
225													3.2	3.3		3.4	3.4		225
230													3.1			3.3	3.3		230
235																3.2	3.3		235
240																3.2	3.3		240
245																3.2			245

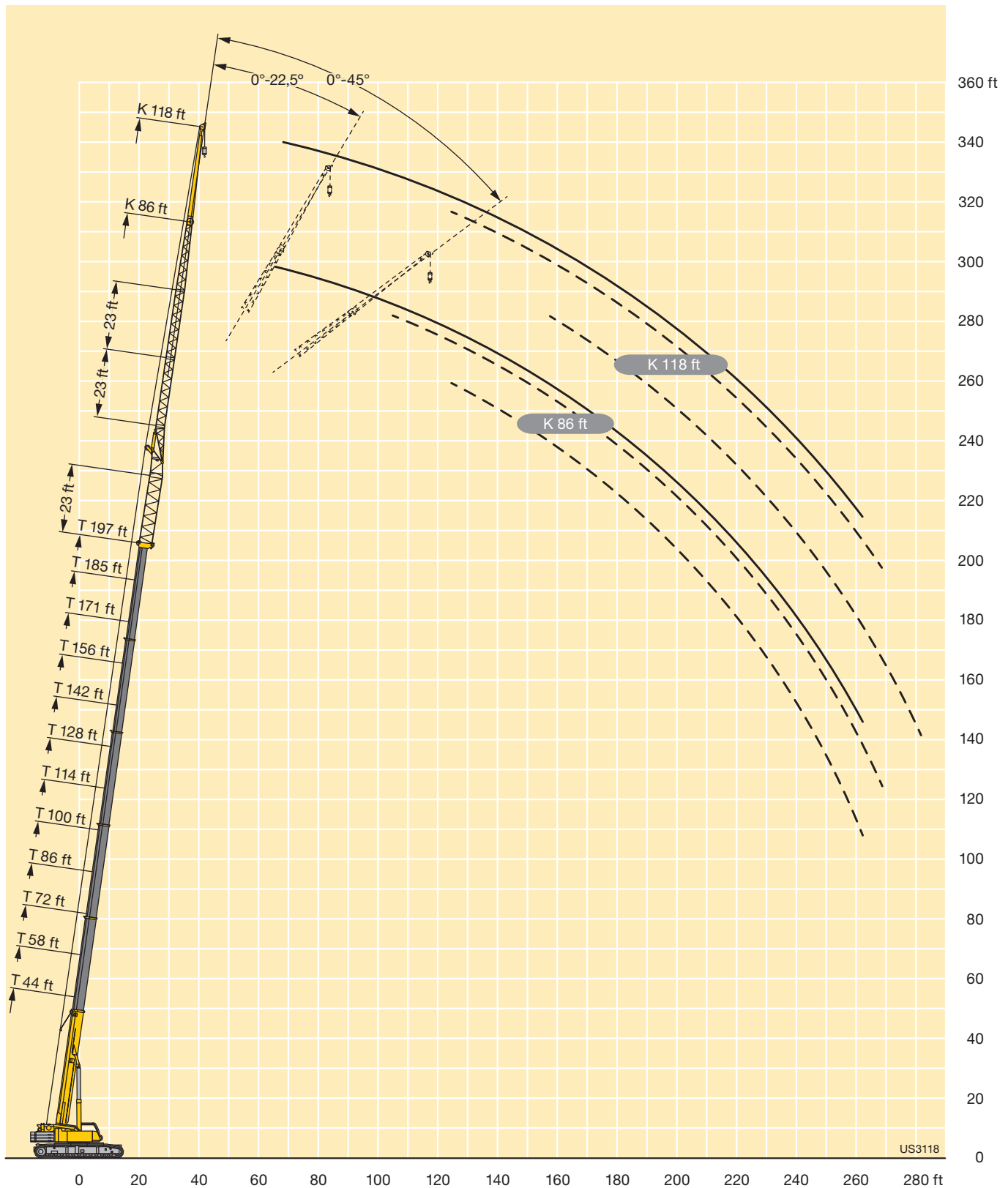
t_242_06410_00_000

Lifting capacities Forces de levage

TVNZK

44 – 197 ft  T 19.3 ft  23 ft  V 118 ft  NZK 360°  154350 lbs  44100 lbs  75% 																																							
 ft	128 ft + 23 ft			142 ft + 23 ft			156 ft + 23 ft			171 ft + 23 ft			185 ft + 23 ft			197 ft + 23 ft			 ft																				
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft																							
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°																					
55	7.5			7.2															55																				
60	7.5			7.2			6.7												60																				
65	7.4			7.1			6.7			6.2			5.7						65																				
70	7.4			7.1			6.6			6.1			5.6			4.5			70																				
75	7.3			7			6.6			6.1			5.6			4.5			75																				
80	7.2			7			6.5			6.1			5.6			4.5			80																				
85	7			6.8			6.5			6			5.6			4.5			85																				
90	6.8			6.7			6.4			6			5.5			4.4			90																				
95	6.7			6.6			6.3			6			5.5			4.3			95																				
100	6.5	5.4		6.4			6.2			5.9			5.5			4.3			100																				
105	6.4	5.3		6.3	5.2		6.1			5.8			5.4			4.2			105																				
110	6.2	5.1		6.1	5.1		6	5		5.7	4.9		5.4			4.1			110																				
115	6	5		6	5		5.8	4.9		5.6	4.8		5.3			4.1			115																				
120	5.9	4.9		5.8	4.8		5.7	4.8		5.5	4.7		5.2	4.6		4			120																				
125	5.7	4.7		5.7	4.7		5.6	4.6		5.4	4.6		5.2	4.5		4	4.2		125																				
130	5.6	4.6	3.8	5.5	4.6	3.8	5.4	4.5		5.3	4.5		5.1	4.4		3.9	4.1		130																				
135	5.4	4.5	3.8	5.4	4.5	3.8	5.3	4.5		5.2	4.4		5	4.3		3.9	4.1		135																				
140	5.3	4.4	3.7	5.3	4.4	3.7	5.2	4.4	3.6	5.1	4.3		4.9	4.2		3.8	4		140																				
145	5.2	4.3	3.7	5.2	4.3	3.6	5.1	4.3	3.6	5	4.2	3.5	4.8	4.1		3.8	4		145																				
150	5	4.2	3.6	5	4.2	3.6	5	4.2	3.6	4.9	4.1	3.5	4.7	4	3.4	3.7	3.9		150																				
155	4.9	4.2	3.6	4.9	4.2	3.6	4.9	4.1	3.5	4.8	4.1	3.5	4.7	4	3.4	3.7	3.8		155																				
160	4.8	4.1	3.5	4.8	4.1	3.5	4.7	4	3.5	4.7	4	3.4	4.6	3.9	3.4	3.7	3.8	3.3	160																				
165	4.6	4	3.5	4.7	4	3.5	4.6	4	3.4	4.6	3.9	3.4	4.5	3.8	3.3	3.6	3.7	3.3	165																				
170	4.5	3.9	3.5	4.6	3.9	3.4	4.5	3.9	3.4	4.5	3.9	3.4	4.4	3.8	3.3	3.6	3.7	3.2	170																				
175	4.4	3.8	3.4	4.5	3.9	3.4	4.4	3.8	3.4	4.4	3.8	3.3	4.3	3.7	3.3	3.5	3.6	3.2	175																				
180	4.3	3.8	3.4	4.3	3.8	3.4	4.3	3.8	3.4	4.3	3.7	3.3	4.2	3.7	3.3	3.5	3.6	3.2	180																				
185	4.2	3.7	3.4	4.2	3.7	3.4	4.2	3.7	3.3	4.2	3.7	3.3	4.1	3.6	3.2	3.5	3.5	3.2	185																				
190	4.1	3.6	3.4	4.2	3.7	3.4	4.1	3.6	3.3	4.1	3.6	3.3	4.1	3.6	3.2	3.5	3.5	3.2	190																				
195	4	3.6	3.4	4.1	3.6	3.4	4.1	3.6	3.3	4.1	3.6	3.3	4	3.5	3.2	3.5	3.4	3.1	195																				
200	3.9	3.5	3.4	4	3.6	3.4	4	3.5	3.3	4	3.5	3.3	3.9	3.5	3.2	3.5	3.4	3.1	200																				
205	3.8	3.5	3.4	3.9	3.5	3.4	3.9	3.5	3.3	3.9	3.5	3.3	3.7	3.4	3.2	3.2	3.3	3.1	205																				
210	3.7	3.5	3.4	3.8	3.5	3.4	3.8	3.4	3.3	3.8	3.4	3.3	3.5	3.4	3.2	2.9	3.3	3.1	210																				
215	3.7	3.4	3.4	3.7	3.4	3.4	3.8	3.4	3.3	3.7	3.4	3.3	3	3.3	3.2	2.5	3.2	3.1	215																				
220	3.6	3.4	3.4	3.6	3.4	3.4	3.7	3.4	3.3	3.7	3.3	3.3	2.6	3.3	3.2	2	3.2	3.1	220																				
225	3.5	3.4	3.4	3.5	3.4	3.4	3.6	3.3	3.3	3.4	3.3	3.3	2.2	3.3	3.2	1.5	3.2	3.1	225																				
230	3.3	3.3	3.4	3.5	3.3	3.4	3.5	3.3	3.3	3	3.3	3.3	1.7	3.2	3.2		3.1	3.1	230																				
235	3.2	3.3		3.4	3.3	3.4	3.4	3.3	3.3	2.6	3.2	3.3		3	3.2		2.6	3	235																				
240	3.1	3.2		3.3	3.3	3.4	3.2	3.2	3.3	2.2	3.2	3.3		2.6	3.2		2.2	3	240																				
245	2.9	3.1		3.2	3.2		2.8	3.2	3.3	1.9	3	3.3		2.2	3.1		1.8	2.8	245																				
250	2.8	2.9		3.1	3.2		2.5	3.2	3.3	1.5	2.7	3.3		1.8	2.7			2.4	250																				
255	2.7			3	3.1		2.1	3	3.2		2.3	2.8			2.2			1.9	255																				
260	2.4			2.8	3		1.8	2.6			1.9	2.3			1.7				260																				
265				2.6	2.9		1.5	2.2			1.5	1.9							265																				
270				2.3				1.9											270																				

t_242_06410_00_000



Lifting capacities Forces de levage

THK

44 – 197 ft 23.9 ft 11 ft 360° 154350 lbs 44100 lbs 75%													
	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	
	11 ft												
10	90.9												10
11	90.9	90.9											11
12	90.9	90.9											12
13	90.9	90.9											13
14	90.9	90.9	90.9										14
15	90.9	90.9	90.9										15
16	90.9	90.9	90.9	90.9									16
17	90.9	90.9	90.9	90.9									17
18	90.9	90.9	90.9	90.9									18
19	90.9	90.9	90.9	90.9	90.9								19
20	90.9	90.9	90.9	90.9	90.9								20
22	90.9	90.9	90.9	90.9	90.9								22
24	90.9	90.9	90.9	90.9	90.9	90.9							24
26	90.9	90.9	90.9	90.9	90.9	90.9							26
28	90.9	90.9	90.9	90.9	90.9	90.9	90.9						28
30	90.9	90.9	90.9	90.9	90.9	90.9	90.9						30
32	89.3	90.9	90.9	90.9	90.9	90.9	90.7	72.7					32
34	84.1	90.9	90.9	90.9	90.9	90.9	90.1	78.4					34
36	79	90.9	90.9	90.9	90.9	90.9	88.9	76.2					36
38	74.6	90.9	90.9	90.9	90.9	90.9	86.9	74.1					38
40	72.4	90	90.9	90.9	90.9	89.7	84	72.1	61.3	48.4			40
45	67.3	80.7	90.9	90.9	90.9	83.8	77	67.2	58.1	49.9	41.9		45
50		73.3	88.4	90.7	89.5	79.5	71.2	62.7	54.9	47.1	40.2	35.1	50
55		69.4	80.2	82	80.5	75.7	65.8	58.7	51.7	44.4	38.4	33.6	55
60		64.6	73.3	72.9	71.3	71.7	60.8	54.8	48.8	42	36.6	32	60
65			66	65.2	65.8	65.1	56.1	51.2	46.1	39.9	34.8	30.6	65
70			59.5	59.3	60.3	58.7	52.2	47.8	43.6	38.1	33.2	29.1	70
75			46.8	55.6	54.7	53.1	48.4	44.8	41.3	36.4	31.6	27.7	75
80				50.8	49.8	48.3	45.1	42.3	39.2	34.7	30.1	26.4	80
85				46.5	45.6	44	41.9	40.3	37.1	33	28.7	25.2	85
90				29.2	41.9	40.3	38.7	38	35.2	31.4	27.4	24	90
95					38.5	37	35.9	35.8	33.3	30	26.2	22.9	95
100					35.2	34	34.5	33.5	31.5	28.6	25	21.8	100
105						31.3	32.4	30.8	29.8	27.4	24	20.8	105
110						30.1	30	28.4	28.1	26.2	22.9	19.9	110
115						27.5	27.7	26.8	26.6	25.1	22	19	115
120							25.8	25.1	24.9	23.9	21.1	18.1	120
125							23.9	23.6	23	22.6	20.2	17.4	125
130							21	22.7	21.3	20.9	19.4	16.6	130
135								21.2	20.2	19.8	18.6	15.9	135
140								19.8	19.1	18.3	17.8	15.3	140
145								15	17.8	16.9	16.7	14.6	145
150									17.1	15.7	15.4	14	150
155									15.7	15	14.3	13.4	155
160									9.1	14.2	13.2	12.9	160
165										13.2	12.1	12.1	165
170										11.4	11.1	11.1	170
175											10.2	10.2	175
180											9.5	9.4	180
185											7.5	8.8	185
190												8.1	190
195												7.3	195
200												3.3	200

t_242_07100_00_000

Lifting capacities Forces de levage

THK

44 – 197 ft 19.3 ft 11 ft 360° 154350 lbs 44100 lbs 75%													
ft	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
11 ft													
10	90.9												10
11	90.9	90.9											11
12	90.9	90.9											12
13	90.9	90.9											13
14	90.9	90.9	90.9										14
15	90.9	90.9	90.9										15
16	90.9	90.9	90.9	90.9									16
17	90.9	90.9	90.9	90.9									17
18	90.9	90.9	90.9	90.9									18
19	90.9	90.9	90.9	90.9	90.9								19
20	90.9	90.9	90.9	90.9	90.9								20
22	90.9	90.9	90.9	90.9	90.9								22
24	90.9	90.9	90.9	90.9	90.9	90.9							24
26	90.9	90.9	90.9	90.9	90.9	90.9							26
28	90.9	90.9	90.9	90.9	90.9	90.9	90.9						28
30	90.9	90.9	90.9	90.9	90.9	90.9	90.9						30
32	89.3	90.9	90.9	90.9	90.9	90.9	90.7	72.7					32
34	84.1	90.9	90.9	90.9	90.9	90.9	90.1	78.4					34
36	79	90.9	90.9	90.9	90.9	90.9	88.9	76.2					36
38	74.6	90.9	90.9	90.9	90.9	90.9	86.9	74.1					38
40	72.4	90	90.9	90.9	90.9	89.7	84	72.1	61.3	48.4			40
45	67.3	80.7	90.7	89.8	88.7	83.8	77	67.2	58.1	49.9	41.9		45
50		73.3	78.8	78.1	76.8	77.3	71.1	62.7	54.9	47.1	40.2	35.1	50
55		68.4	68.7	68.4	69.4	68	64.9	58.7	51.7	44.4	38.4	33.6	55
60		60.2	60.6	62.1	61.3	59.9	58.3	54.8	48.8	42	36.6	32	60
65			55.4	55.3	54.6	53.1	51.7	50.5	46.1	39.9	34.8	30.6	65
70			49.8	49.7	48.9	47.6	47.1	46.3	43.6	38.1	33.2	29.1	70
75			45	45	44.1	42.8	43	42.4	41.2	36.4	31.6	27.7	75
80				40.8	40	38.9	39.7	38.3	38.2	34.7	30.1	26.4	80
85				37.3	36.5	36.7	36.1	35.6	34.6	33	28.7	25.2	85
90				29.2	33.4	34.3	33	32.5	32	31.4	27.4	24	90
95					30.8	31.6	30.2	30.1	29.6	29.1	26.2	22.9	95
100					29.8	29.1	28.1	28.3	27.7	26.7	25	21.8	100
105						26.9	25.9	26.1	25.6	24.9	23.9	20.8	105
110						25	24.7	24.1	23.6	22.9	22.6	19.9	110
115						23.2	23.6	22.3	22.3	21.4	20.8	19	115
120							21.9	21	20.6	20	19	18.1	120
125							20.4	19.4	19	18.4	17.4	17.2	125
130							19	18.5	17.5	17	16	15.9	130
135								17.5	16.3	15.6	14.6	14.6	135
140								16.2	15.3	14.4	13.4	13.4	140
145								15	14.1	13.2	12.2	12.2	145
150									13.1	12.2	11.1	11.1	150
155									12.1	11.2	10.1	10.1	155
160									9.1	10.3	9.2	9.2	160
165										9.4	8.4	8.3	165
170										8.7	7.5	7.5	170
175											6.8	6.8	175
180											6.1	6	180
185											5.4	5.4	185
190												4.7	190
195												4.1	195
200												3.3	200

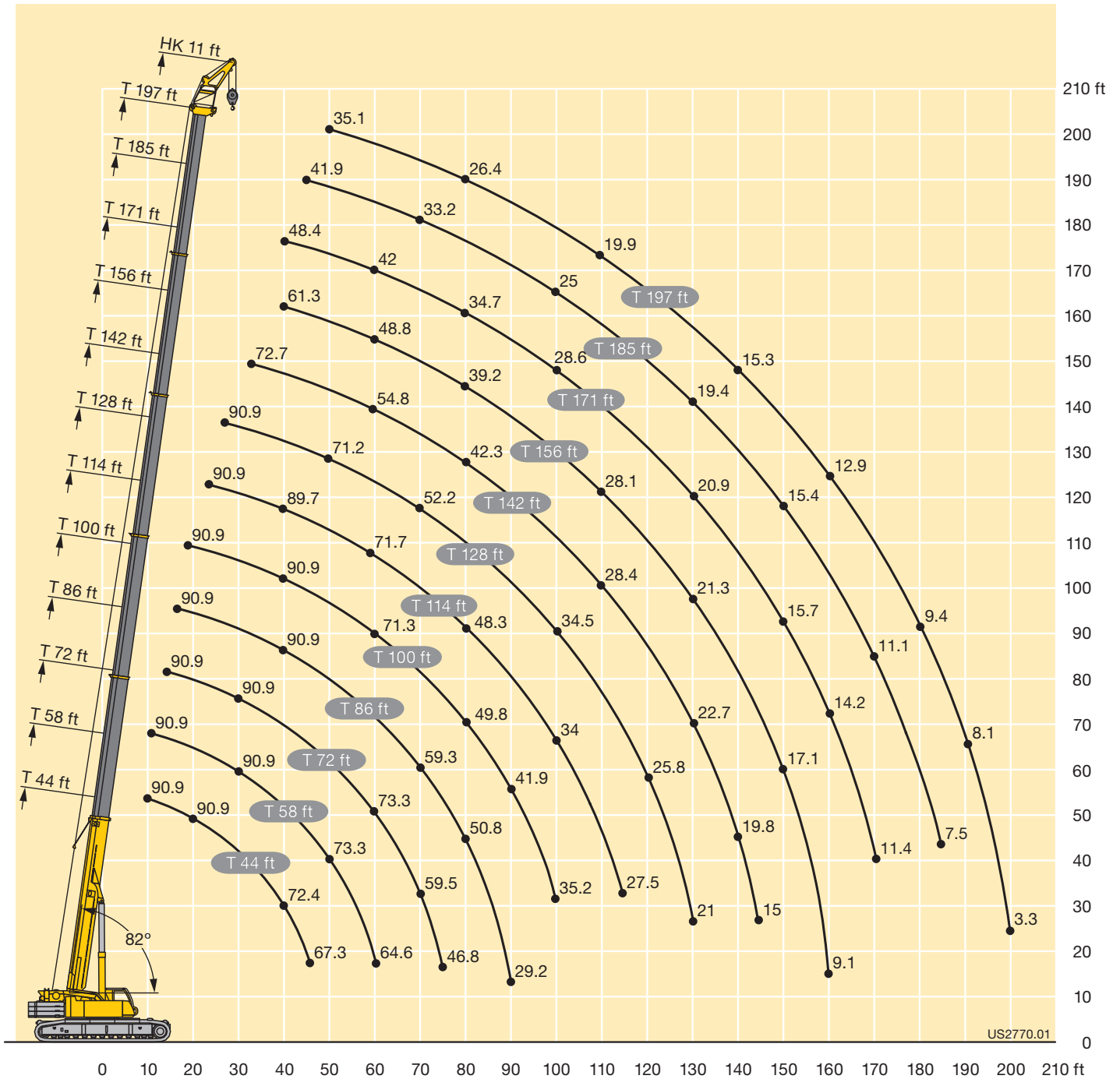
t_242_07110_00_000

Lifting capacities Forces de levage

THK

44 – 197 ft T 14.9 ft 11 ft HK 360° 154350 lbs 44100 lbs 75%													
ft	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
	11 ft												
36		90.3		84.3									36
38	74.6	87.7	84.9	83.1	73.5								38
40	72.4	81.5	80.9	78.6	70.7								40
45	67.3	69.9	70.1	69.5	66.9	59.7							45
50		60.1	61.9	61.8	61.1	58.8	54.2	47.2					50
55		53.2	54.2	54.1	53.3	52.9	51.1	46.6	41.9				55
60		46.8	47.8	47.7	47	47.5	46.7	43.5	41.2	38.1	34.8		60
65			42.6	42.5	42.2	42.6	41.7	40.4	38.6	35.9	32.6	30.5	65
70			38.2	38.1	39.1	38.3	37.6	37.4	35.7	33.8	30.5	28.7	70
75			34.4	34.3	35.3	34.5	34.5	34.1	32.8	31.5	28.6	27	75
80				31.7	32	31.2	31.7	30.8	30.2	28.9	26.8	25.3	80
85				29.5	29.2	28.9	28.8	28.5	27.7	26.3	24.7	23.7	85
90				27	26.7	27	26.3	26.2	25.4	24	22.5	21.8	90
95					24.5	24.8	24.1	24	23.2	22	20.5	19.9	95
100					22.6	22.8	22.3	22	21.1	20.1	18.6	18.1	100
105						21	20.6	20.2	19.2	18.3	17	16.5	105
110						19.4	18.9	18.4	17.5	16.6	15.4	15	110
115						17.9	17.4	16.9	16	15.1	14	13.6	115
120							16	15.5	14.5	13.7	12.7	12.4	120
125							14.7	14.2	13.2	12.4	11.4	11.2	125
130							13.5	13	12	11.2	10.2	10.1	130
135								11.9	11	10.1	9.1	9.1	135
140								10.9	10	9.1	8.1	8.1	140
145								10	9	8.1	7.1	7.1	145
150									8.2	7.3	6.3	6.2	150
155									7.4	6.5	5.5	5.4	155
160									6.7	5.7	4.7	4.7	160
165										5	4	3.9	165
170										4.4	3.3	3.3	170
175											2.7	2.6	175

t_242_07110_00_000



US2770.01

Technical description

Description techniques

Crawler travel gear

Frame	Low torsion box construction, consisting of crawler center section, two traverse beams and two crawler carriers. The crawler carriers can be removed from the telescoping traverse beams. Hydraulic track width adjustment.
Tracks	Maintenance free crawler chassis with 3'3" wide 2-bar crawler shoes.
Travel drive	Per crawler carrier, a hydraulic travel drive consisting of an axial piston motor, planetary gear with spring-loaded hydraulically-releasable travel brake. The crawler chains can be controlled synchronously as well as independently and counter-rotating. Travel speed: 0 – 1.55 mph.
Central ballast	44100 lbs, placement blocks at 22050 lbs each, mounting on crawler center section.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	Diesel, 4 cylinder, watercooled, make Liebherr, output 230 kW (312 h.p.), max. torque 1062 lbs-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel tank capacity: 185 gallons.
Crane drive	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Control	Electronic control by the LICCON computer system (PLC control), two self-centering control levers (joy-sticks). Infinitely variable crane motions through displacement control of the hydraulic pump. Additional working speed control by variation of the Diesel engine.
Hoist gear	Axial piston variable displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.
Luffing gear	1 differential ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.

Telescopic boom	1 base section and 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system Telematik. Boom length 44 ft to 197 ft.
Counterweight	110250 lbs
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib K/NZK	40 ft – 72 ft long, mountable to the telescopic boom at 0°, 22.5° or 45°. Hydraulic ram for operating the swing-away jib from 0° – 45° (option).
Telescopic boom extension V	23 ft long lattice section, thus 23 ft higher pinning point for swing-away jib.
Intermediate sections	2 intermediate sections of 23 ft each for the extension of the biparted swing-away jib to 95 ft or 118 ft.
Erection jib HK	11 ft
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	2 additional counterweight slabs of 22050 lbs each for a total counterweight of 154350 lbs.

Other items of equipment available on request.

Technical description Description techniques

Train de chenilles

Châssis	Construction en caisson indéformable haute résistance, constitué de la partie centrale du train de roulement, deux traverses et de deux longerons. Les longerons peuvent être démontés des traverses télescopiques. Réglage hydraulique de la voie.
Train de roulement	Train de chenilles sans entretien avec tuiles 2 nervures de 3'3" de large.
Transmission	Une transmission hydraulique par longeron, comprenant un moteur à cylindrée variable et pistons axiaux, un réducteur planétaire avec frein à ressort et à déblocage hydraulique. Les chaînes sont synchrones, indépendantes et une commande inversée est possible. Vitesse de translation: 0 – 1.55 mph.
Contrepoids central	44100 lbs, blocs de suspension de 22050 lbs chacun, fixation sur la partie centrale du train de roulement.

Partie tournante

Châssis	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
Moteur	Diesel, 4 cylindres, marque Liebherr, refroidissement par eau, puissance 230 kW (312 ch), couple maxi. 1062 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG, EPA/CARB, ECE-R.96. Capacité du réservoir carburant: 185 gallons.
Entraînement de la grue	Diesel hydraulique avec 5 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Commande	Commande électronique par l'ordinateur LICCON (commande SPS). 2 leviers à 4 directions avec rappel automatique au point mort. Commande des mouvements progressive en continu par variation de l'inclinaison des pompes et augmentation du régime moteur.
Mécanisme de levage	Moteur hydraulique à cylindrée variable, treuil de marque Liebherr avec réducteur planétaire à frein d'arrêt à lamelles intégrées, en circuit hydraulique fermé.
Mécanisme de relevage	1 vérin hydraulique différentiel avec clapets anti-retour de sécurité.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.

Cabine du grutier	Large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de 20° vers l'arrière.
Dispositif de sécurité	Contrôleur de charge LICCON2, système test, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Flèche télescopique	Un élément de base et de 5 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide Telematik. Longueur de flèche: 44 ft – 197 ft.
Contrepoids	110250 lbs
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Fléchette pliante K/NZK	Longueur: 40 ft – 72 ft, montable sous un angle de 0°, 22,5° ou 45°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 45° (en option).
Rallonge flèche télescopique V	Élément en treillis de 23 ft, de cette manière point d'articulation plus haute de 23 ft pour la flèche pliante.
Éléments intermédiaires	2 éléments intermédiaires de 23 ft de long pour l'allongement de la fléchette pliante double jusqu'à 95 ft resp. 118 ft.
Fléchette de montage HK	11 ft
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Contrepoids supplémentaire	22050 lbs pour un contrepoids total de 154350 lbs.

Autres équipements supplémentaires sur demande.

Description of symbols Explication des symboles

General symbols Symboles généraux

	Radius Portée		Width crawler chassis Largeur du train de chenilles
	Boom length Longueur de la flèche		Total weight Poids total
	Boom position Position de la flèche		Hookblock / Capacity Moufle à crochet / Capacité de charge
	Ground pressure Pression au sol		Hoist gear Treuil de levage
	Slewing gear / Working area Mécanisme d'orientation / Plage de travail		Crane superstructure Partie tournante de la grue
	Driving speed Vitesse de translation		Standard Norme
	Counterweight Contrepoids		Gradability Aptitude à graver les pentes
	Central ballast Contrepoids central		Driving force Puissance propulsive

Crane specific symbols Symboles spécifiques à la grue

	Telescopic boom Flèche télescopique		Telescopic boom extension Rallonge fleche telescopique
	Hydraulic swing away jib Fléchette pliante hydraulique		Erection jib Fléchette de montage

Remarks referring to load charts

1. The lifting capacities do not exceed 75 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20.1 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. Lifting capacities above 295400 lbs/332900 lbs only with additional pulley block/special equipment.
8. Lateral inclination $\pm 0.3^\circ$.
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 75 % de la charge de basculement conformément à ASME B 30.5.
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20.1 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. Les charges supérieures à 295400 lbs/332900 lbs seulement avec moufle additionnel/équipement supplémentaire.
8. Inclinaison latérale $\pm 0,3^\circ$.
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.

Subject to modification / Sous réserve de modifications

Printed in Germany (1)

td-242-03-us07-2017

Liebherr-Werk Ehingen GmbH

Postfach 1361, 89582 Ehingen, Germany

☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99

www.liebherr.com, E-mail: info.lwe@liebherr.com

www.facebook.com/LiebherrConstruction