

Mobile Crane/Grue mobile

LTM 1750-9.1

800 t Version



900 USt



171 ft



380 ft



499 ft

LTM 1750-9.1

LIEBHERR



LIEBHERR

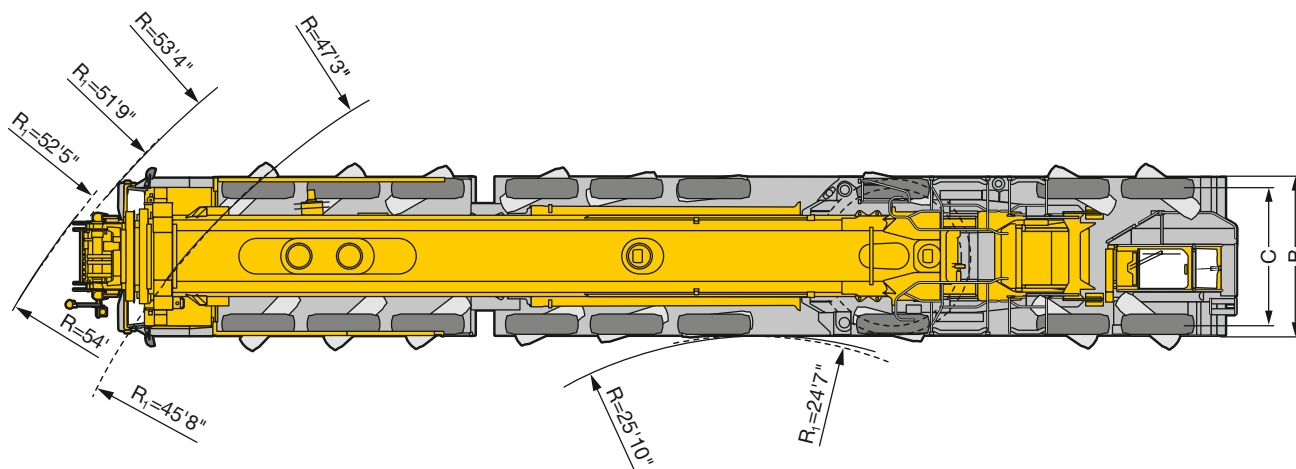
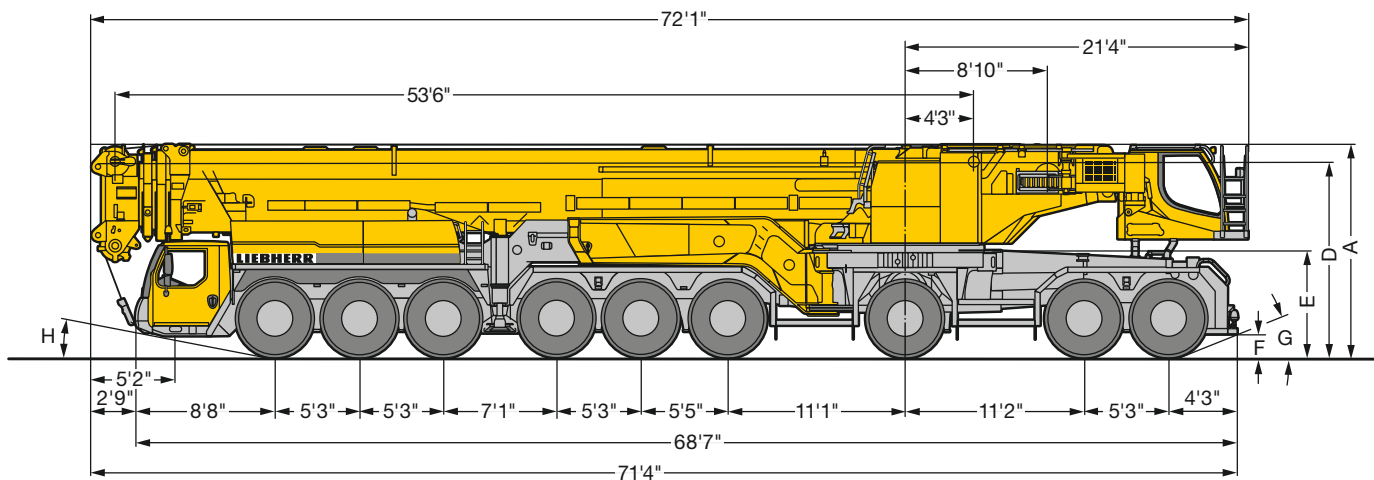
Courtesy of CraneMarket.com

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Dimensions - Operating on road Encombrement - Déplacement sur route



US2495.02

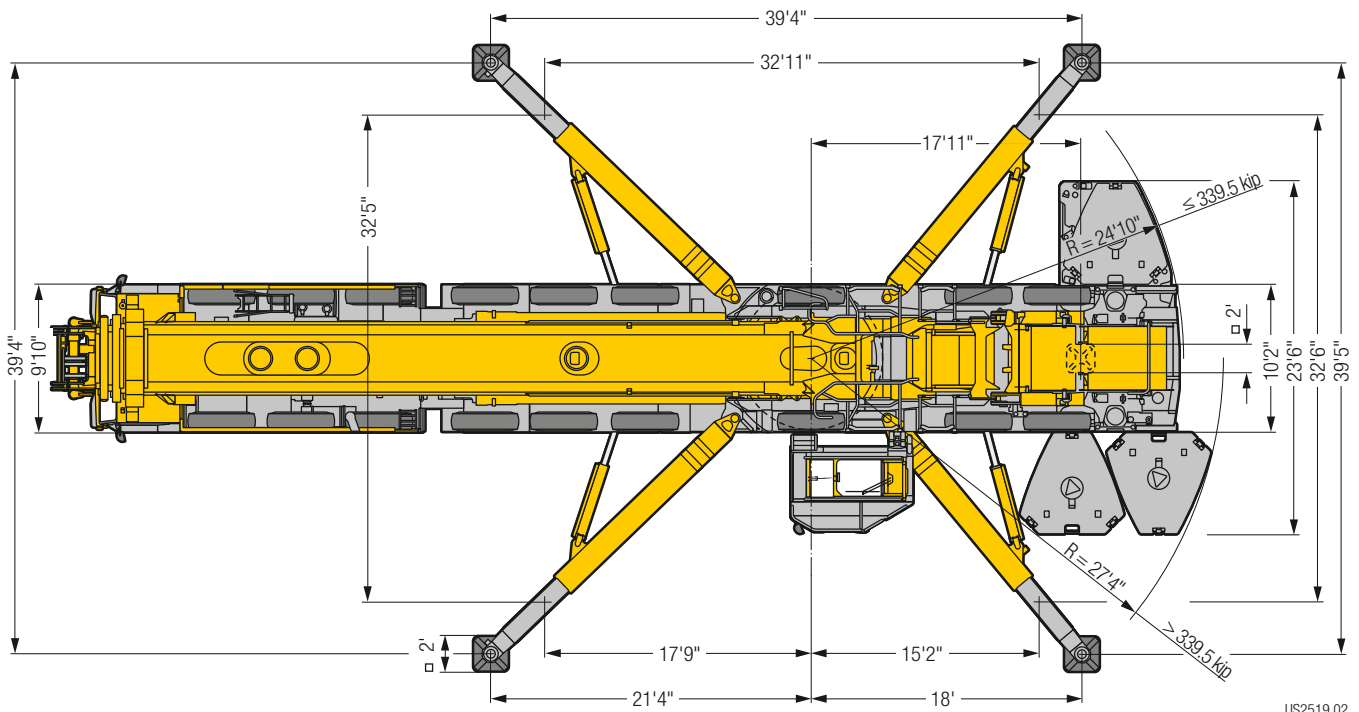
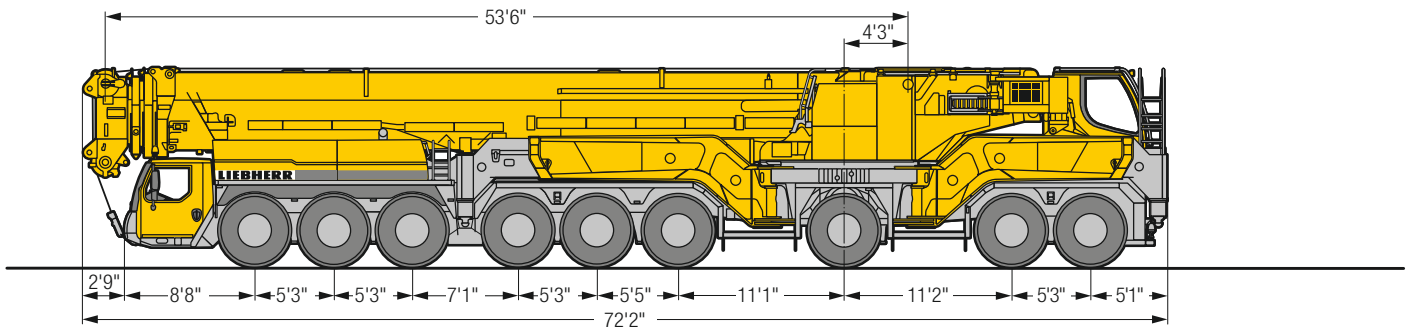
R₁ = All-wheel steering - Direction toutes roues

Dimensions/Encombrement

	A	A	A	B	C	D	E	F	G	H
		5"*	**							
445/95 R 25 (16.00 R 25)	13'1"	12'9"	13'9"	9'10"	8'4"	12'	6'6"	1'4"	19°	10°
525/80 R 25 (20.5 R 25)	13'1"	12'9"	13'9"	10'2"	8'5"	12'	6'6"	1'4"	19°	10°

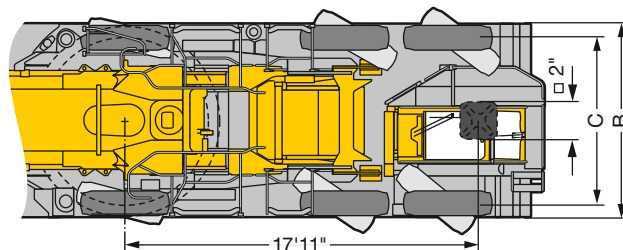
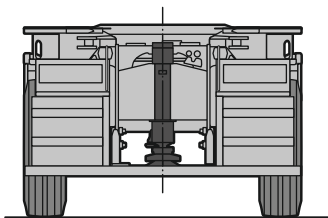
* lowered - abaissé
** with Quick Connection - avec Quick Connection

Dimensions - Procedure on site Encombrement - Déplacement sur le chantier



US2519.02

Additional support chassis rear end Stabilisateur additionnel arriere du véhicule



US2622

optional
en option

Mobile Crane/Grue mobile

LTM 1750-9.1



171 ft



69 ft – 299 ft

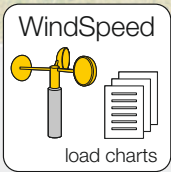
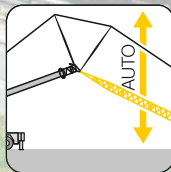
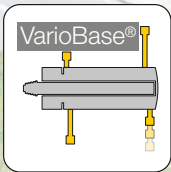


20 ft – 203 ft

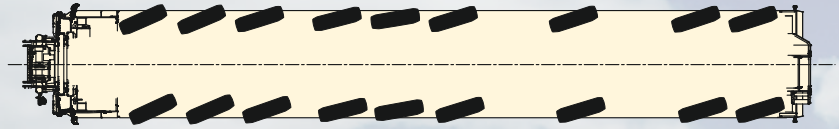


449,700 lb

€COdrive
TRAXON
 Torque



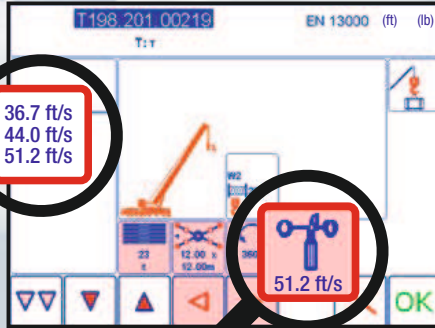
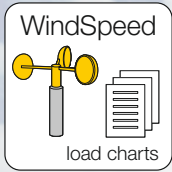
load charts



Variable steering concept

Concept de direction variable





Increased flexibility and safety by using lifting capacity tables with different maximum wind speeds.

Une flexibilité et une sécurité accrues grâce aux tableaux de charge avec différentes.



Crane data

Dates de la grue



Hook block/Moufles à crochet

593.0 kip	11	22	11,800 / 10,150 / 8,500 lb
522.4 kip	9	19	11,470 / 9,260 / 7,050 lb
425.4 kip	7	15	9,920 / 8,600 / 7,275 / 5,950 lb
319.7 kip	5	11	7,500 / 6,060 / 4,410 lb
209.4 kip	3	7	8,380 / 7,055 / 5,730 / 4,410 lb
92.6 kip	1	3	4,410 / 2,205 lb
30.8 kip	–	1	1,545 lb



Crane carrier/Châssis porteur



445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	1.2	53	37.8 %	12 / R2

Theoretical gradeability/Aptitude théorique en pente



Max. supporting forces/Forces d'appui max.

F _{max}	449,750 lb	449,750 lb

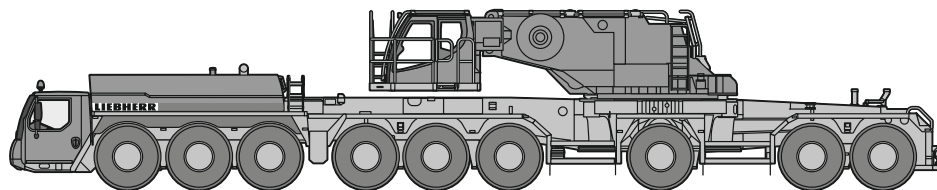


Crane superstructure/ Partie tournante

	0 – 404 ft/min single line ft/min au brin simple	0.98"	2296 ft	31,923 lb
	0 – 341 ft/min single line ft/min au brin simple	0.98"	3051 ft	31,923 lb
	0 – 341 ft/min single line ft/min au brin simple	0.98"	3265 ft	31,923 lb
	0 – 0,67 rpm			
	approx. 120 seconds to reach 86° boom angle env. 120 s jusqu'à 86°			
	approx. 320 – 481 seconds for boom extension from 53 ft – 171 ft env. 320 s – 481 s pour passer de 53 ft – 171 ft			

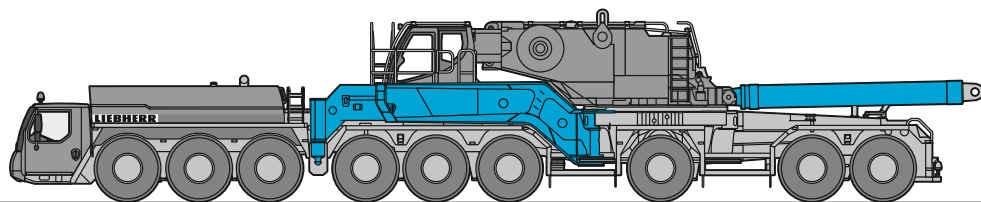
On-road driving Déplacement sur route

≤ 132,300 lb



≤ 13,230 lb ≤ 13,230 lb ≤ 13,230 lb ≤ 17,640 lb ≤ 17,640 lb
 ≤ 13,230 lb ≤ 13,230 lb ≤ 13,230 lb ≤ 17,640 lb

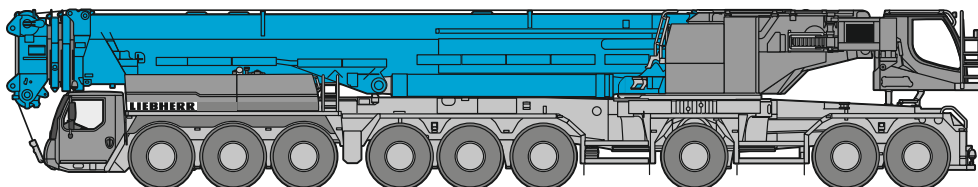
≤ 158,700 lb



One folding outrigger front left / Une poutre rabattable à l'avant gauche

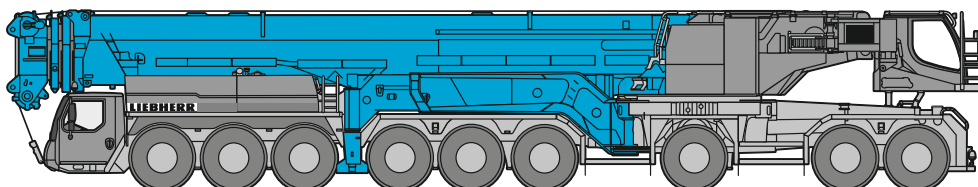
≤ 15,450 lb ≤ 15,450 lb ≤ 13,230 lb ≤ 22,050 lb ≤ 22,050 lb
 ≤ 15,450 lb ≤ 15,450 lb ≤ 15,450 lb ≤ 22,050 lb

≤ 218,250 lb



≤ 24,250 lb ≤ 24,250 lb ≤ 24,250 lb ≤ 24,250 lb ≤ 24,250 lb
 ≤ 24,250 lb ≤ 24,250 lb ≤ 24,250 lb ≤ 24,250 lb

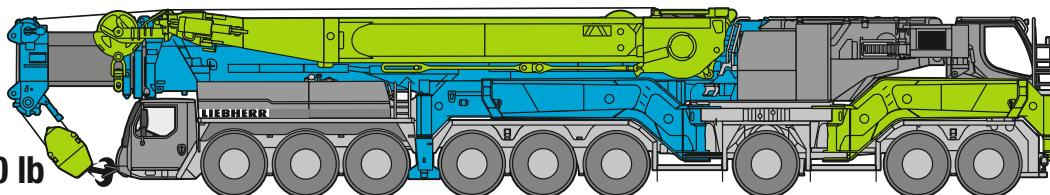
≤ 238,100 lb



≤ 26,455 lb ≤ 26,455 lb ≤ 26,455 lb ≤ 26,455 lb ≤ 26,455 lb
 ≤ 26,455 lb ≤ 26,455 lb ≤ 26,455 lb ≤ 26,455 lb

Jobsite driving Déplacement sur chantier

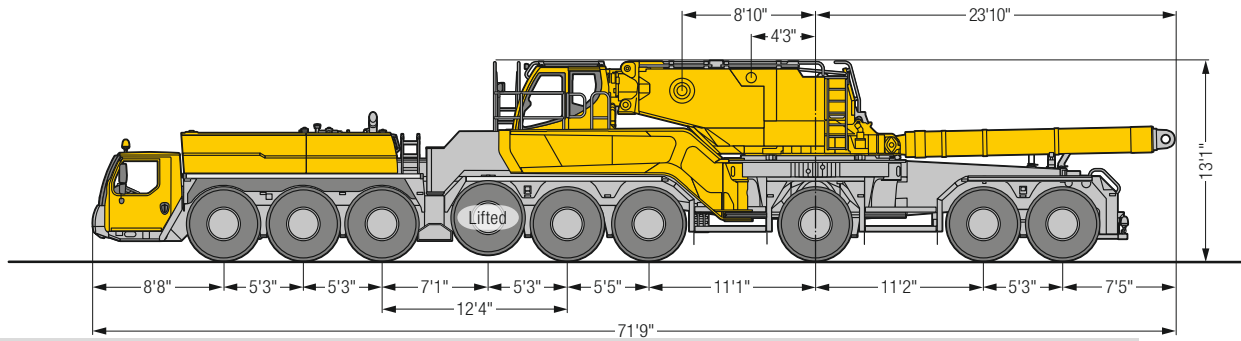
≤ 313,000 lb



≤ 36,375 lb ≤ 36,375 lb ≤ 36,375 lb ≤ 33,070 lb ≤ 33,070 lb
 ≤ 36,375 lb ≤ 36,375 lb ≤ 36,375 lb ≤ 33,070 lb

US3383

Special driving conditions Conditions de conduite spéciales

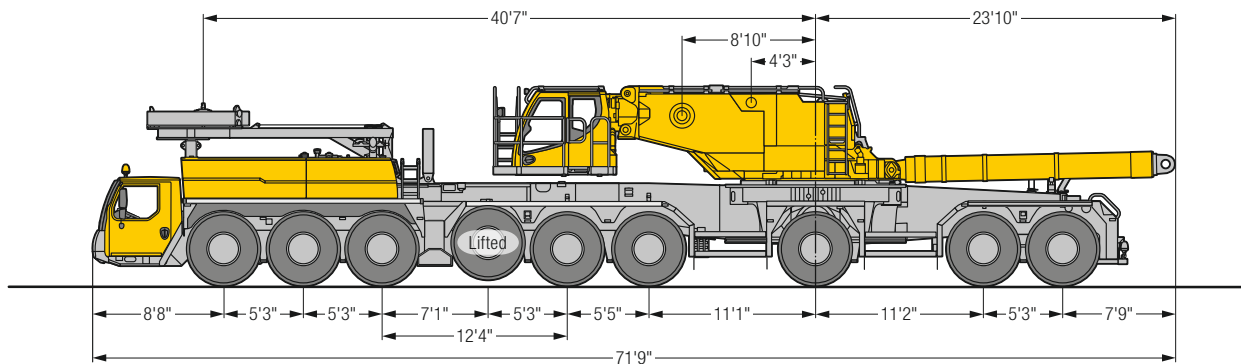


Tyre equipment 445/95 R 25 (16.00 R 25) - Pneumatiques 445/95 R 25 (16.00 R 25)

US2520.04

Axle/Essieu

		1	2	3	4	5	6	7	8	9	
445/95 R 25 (16.00 R 25)	lb	≤18,000	≤18,200	≤18,200	-	≤18,200	≤18,300	≤23,600	≤23,700	≤23,700	≤161,500
525/80 R 25 (20.5 R 25)	lb	≤18,600	≤18,800	≤18,700	-	≤18,700	≤18,900	≤24,100	≤24,200	≤24,200	≤165,900

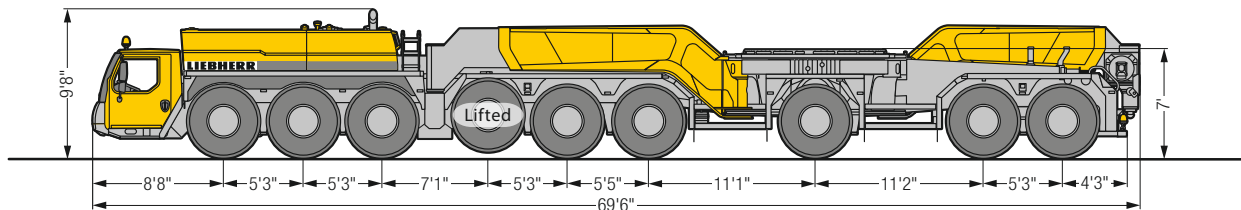


Tyre equipment 445/95 R 25 (16.00 R 25) - Pneumatiques 445/95 R 25 (16.00 R 25)

US2521.03

Axle/Essieu

		1	2	3	4	5	6	7	8	9	
445/95 R 25 (16.00 R 25)	lb	≤19,200	≤19,300	≤19,300	-	≤19,300	≤19,400	≤19,400	≤19,400	≤19,400	≤154,300
525/80 R 25 (20.5 R 25)	lb	≤19,700	≤19,900	≤19,800	-	≤19,800	≤20,000	≤19,900	≤19,900	≤20,000	≤158,700



Tyre equipment 445/95 R 25 (16.00 R 25) - Pneumatiques 445/95 R 25 (16.00 R 25)


US3415

Axle/Essieu

		1	2	3	4	5	6	7	8	9	
445/95 R 25 (16.00 R 25)	lb	≤13,600	≤13,900	≤13,900	-	≤13,900	≤14,100	≤14,200	≤14,200	≤14,200	≤111,500
525/80 R 25 (20.5 R 25)	lb	≤14,200	≤14,500	≤14,400	-	≤14,400	≤14,600	≤14,700	≤14,700	≤14,700	≤115,900

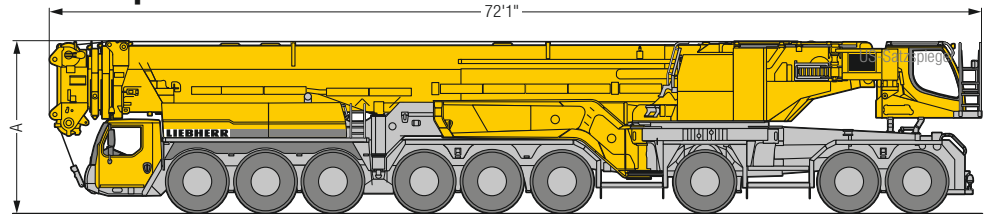
Transportation plan Plan de transport

Dimensions Encombrement

	A	A
		5" *
445/95 R 25 (16.00 R 25)	13'1"	12'9"
525/80 R 25 (20.5 R 25)	13'1"	12'9"

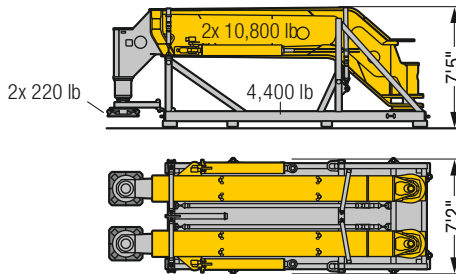
* lowered · abaissé

238.1 kip



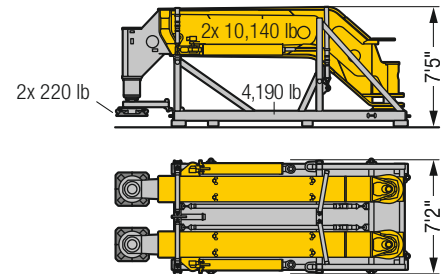
Folding outriggers front
Poutre rabattable avant

26,440 lb



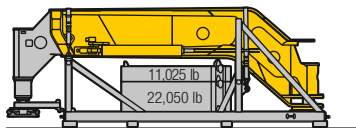
Folding outriggers rear
Poutre rabattable arrière

24,910 lb



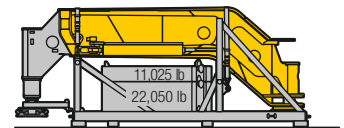
with 33,070 lb counterweight
avec contrepoids 33,070 lb

59,515 lb



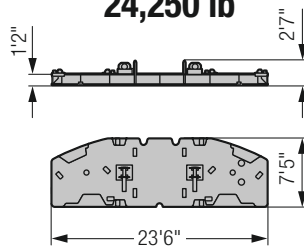
with 33,070 lb counterweight
avec contrepoids 33,070 lb

57,985 lb



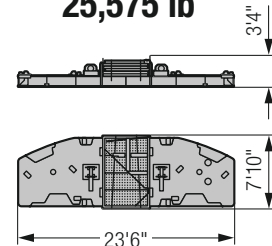
Base plate
Plaque d'appui

24,250 lb



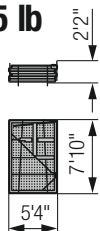
Base plate with erection platform
Plaque d'appui avec plateforme de montage

25,575 lb



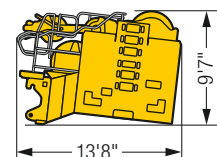
Erection platform
Plateforme de montage

1,325 lb



Ballast frame with winch 2, winch 3,
adjustment block and engine
Bâti de contrepoids avec treuil 2, treuil 3,
palonnier de renvoi et moteur

52,030 lb



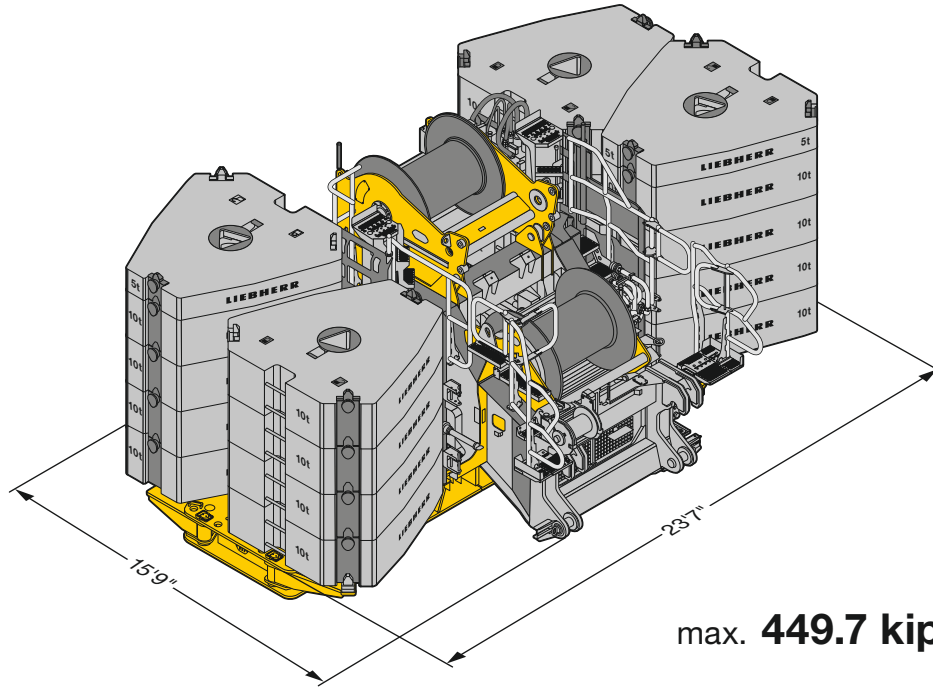
width / largeur 9'7"

US2620.02

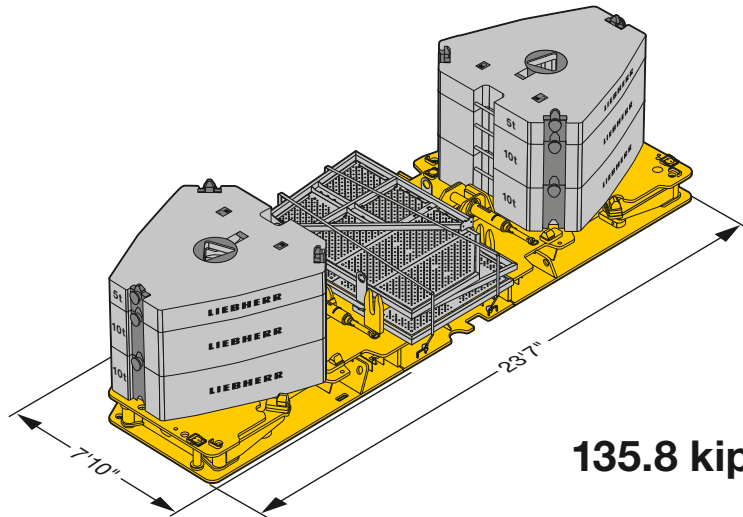
Crane equipment optimized for transportation Équipement de la grue optimisé pour le transport



Counterweight Contrepoids



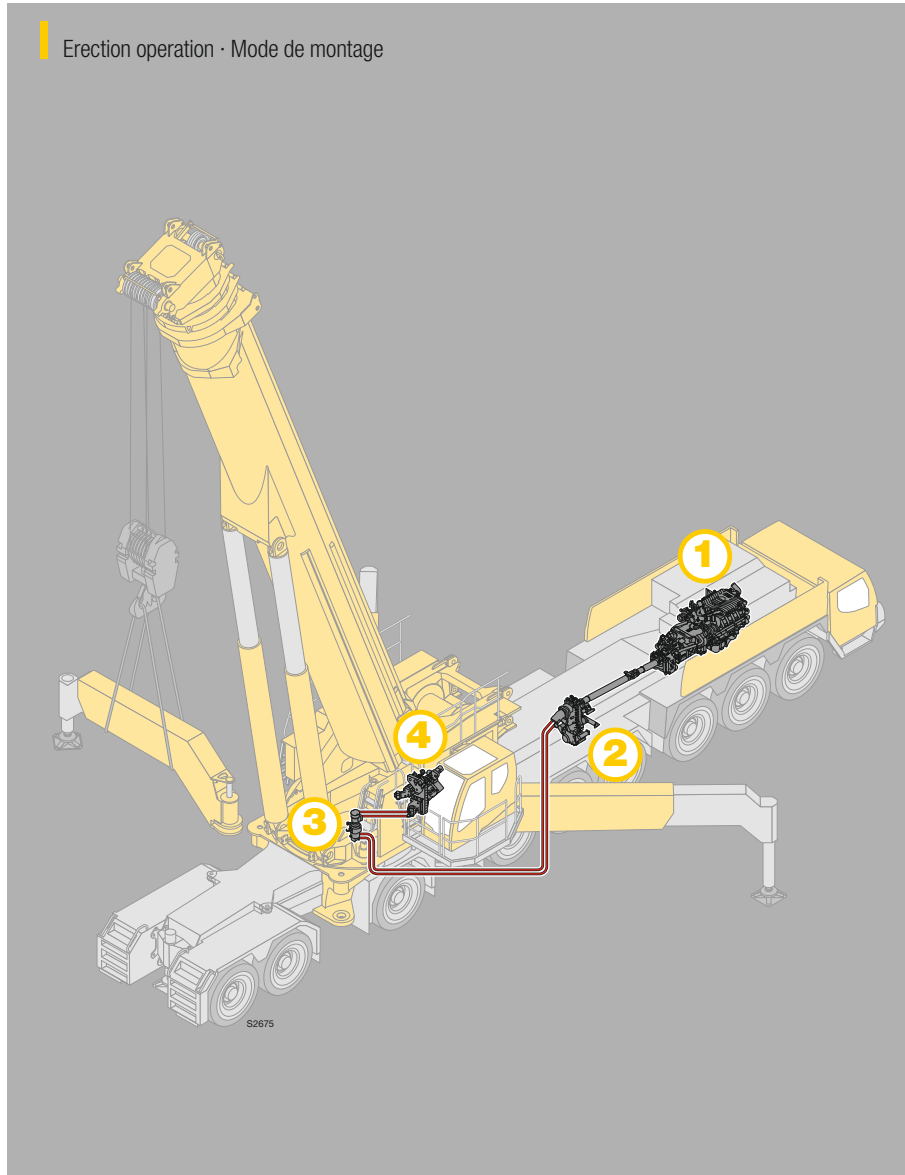
US2634



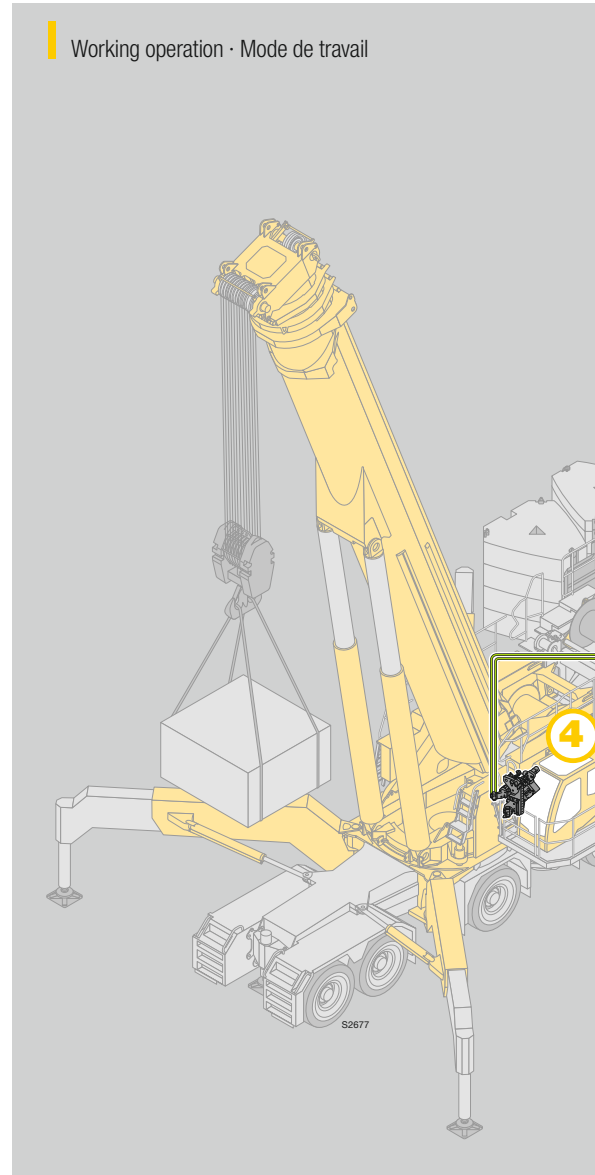
S2635

Operation condition État de marche

Erection operation · Mode de montage



Working operation · Mode de travail



1 Diesel engine chassis
Moteur Diesel, châssis

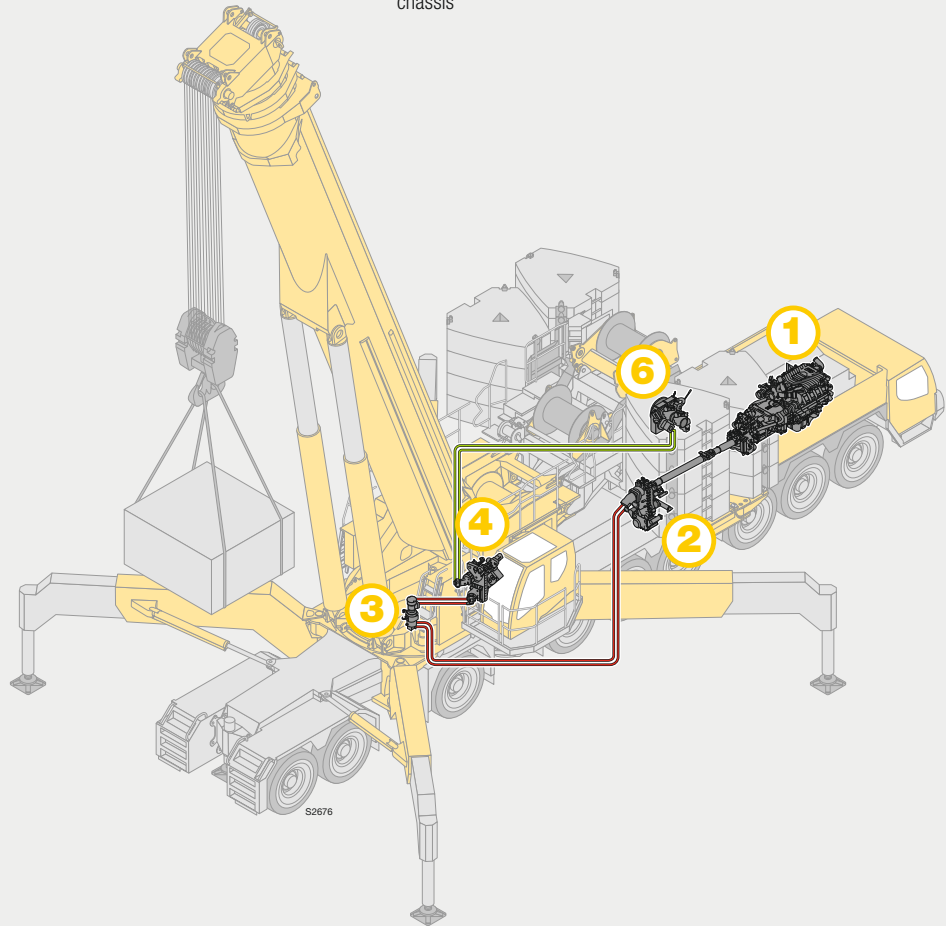
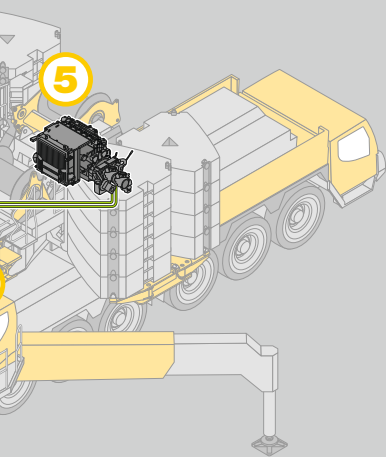
2 Hydraulic pump distribution gearbox
for drive pump assembly
Pompe hydraulique, engrenage distributeur pour
l'entraînement du groupe moto-pompe

3 Hydraulic swivel
Joint tournant

Emergency operation · Mode de secours

Drive of all crane functions by diesel engine chassis

Entraînement de toutes les fonctions de la grue par le moteur Diesel du châssis



- 4** Pump assembly for drive:
 - Winch 1, slewing gear, telescoping cylinder, luffing cylinder
- Groupe moto-pompe pour l'entraînement :
 - Treuil 1, mécanisme d'orientation, cylindre de télescopage, vérin de relevage

- 5** Diesel engine superstructure for drive:
 - Pump assembly, winch 2, winch 3
- Moteur Diesel, partie tournante pour l'entraînement :
 - Groupe moto-pompe, treuil 2, treuil 3

- 6** Drive winch 2 and winch 3 by pump assembly
- Entraînement, treuil 2 et treuil 3 par le groupe moto-pompe

Self-assembly on the job site Montage autonome sur le chantier

Fast set-up without assisting crane
Montage rapide de l'équipement sans grue auxiliaire



① Supported on the front outriggers
Calée sur les stabilisateurs avant



optional
en option



② Additional support at the tail of the vehicle
Calage additionnel à l'arrière du véhicule



③ Self-assembly of the rear outriggers
Montage autonome des stabilisateurs arrière



④ Self-assembly counterweight
Montage autonome du contrepoids

Self-assembly on the job site Montage autonome sur le chantier

⑤ Mounting ballast
Montage du lest



⑥ Self-assembly counterweight frame with drive assembly
Montage autonome du bâti de contrepois avec groupe de transmission



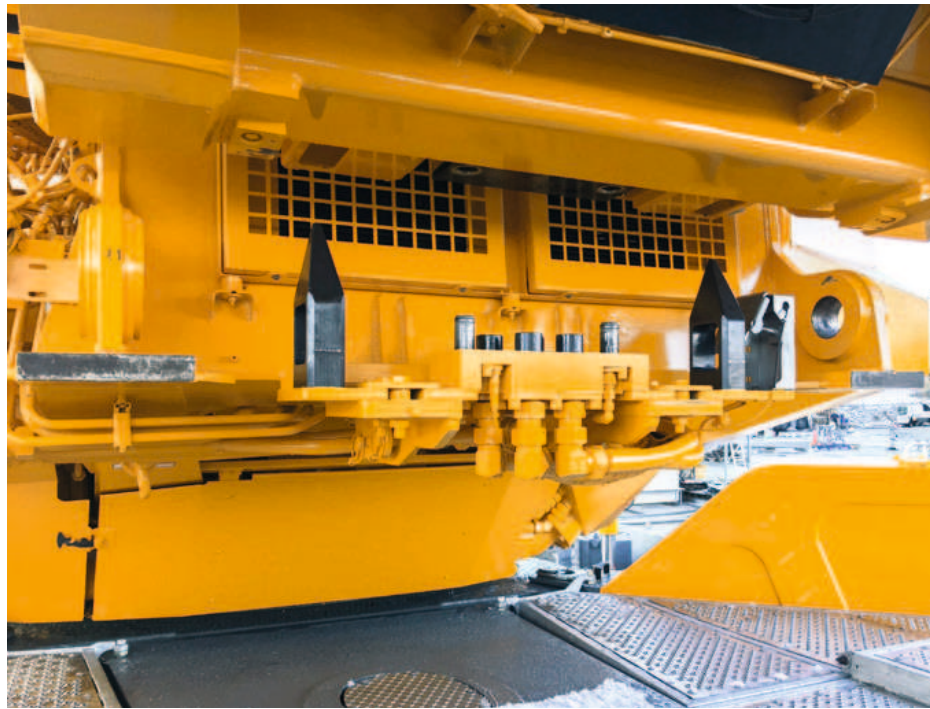
LIKUFIX® -

Quick hydraulic connection of the drive unit

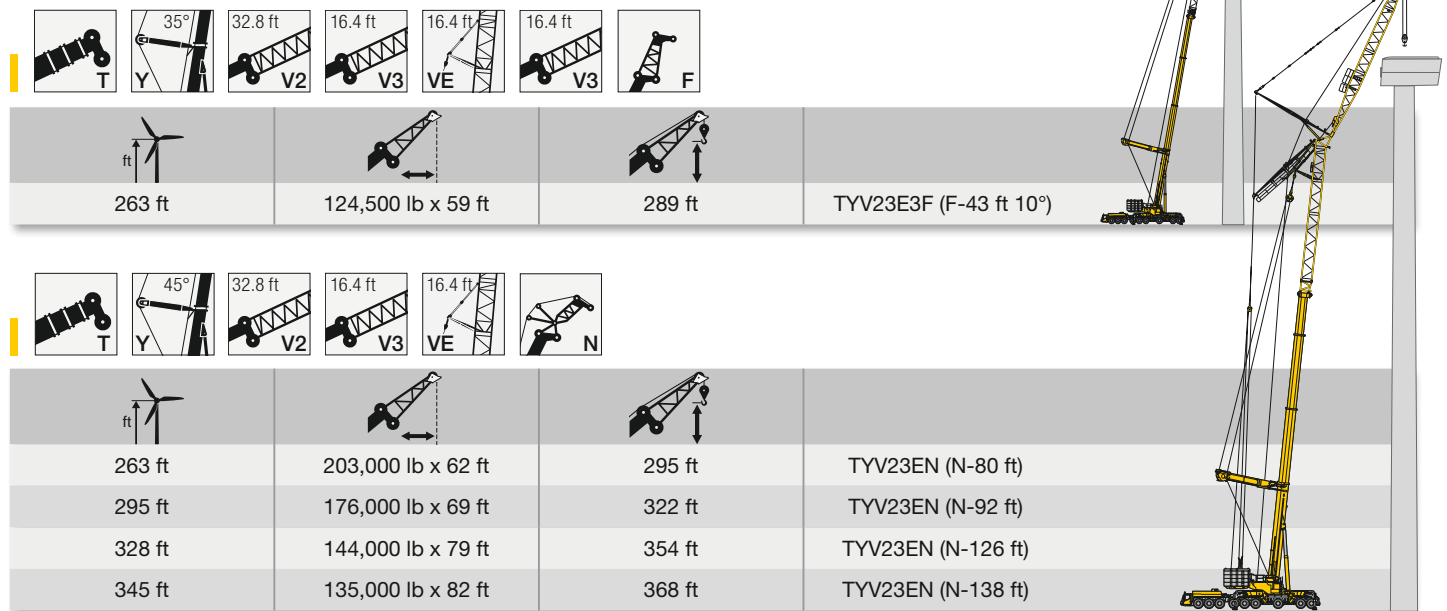
Raccord hydraulique rapide de l'équipement moteur

LIKUFIX® is a hydraulic quick coupling system combined with an automatic hydraulic coupling system developed in-house by Liebherr. LIKUFIX® enables the safe, fast hydraulic connection of the drive unit.

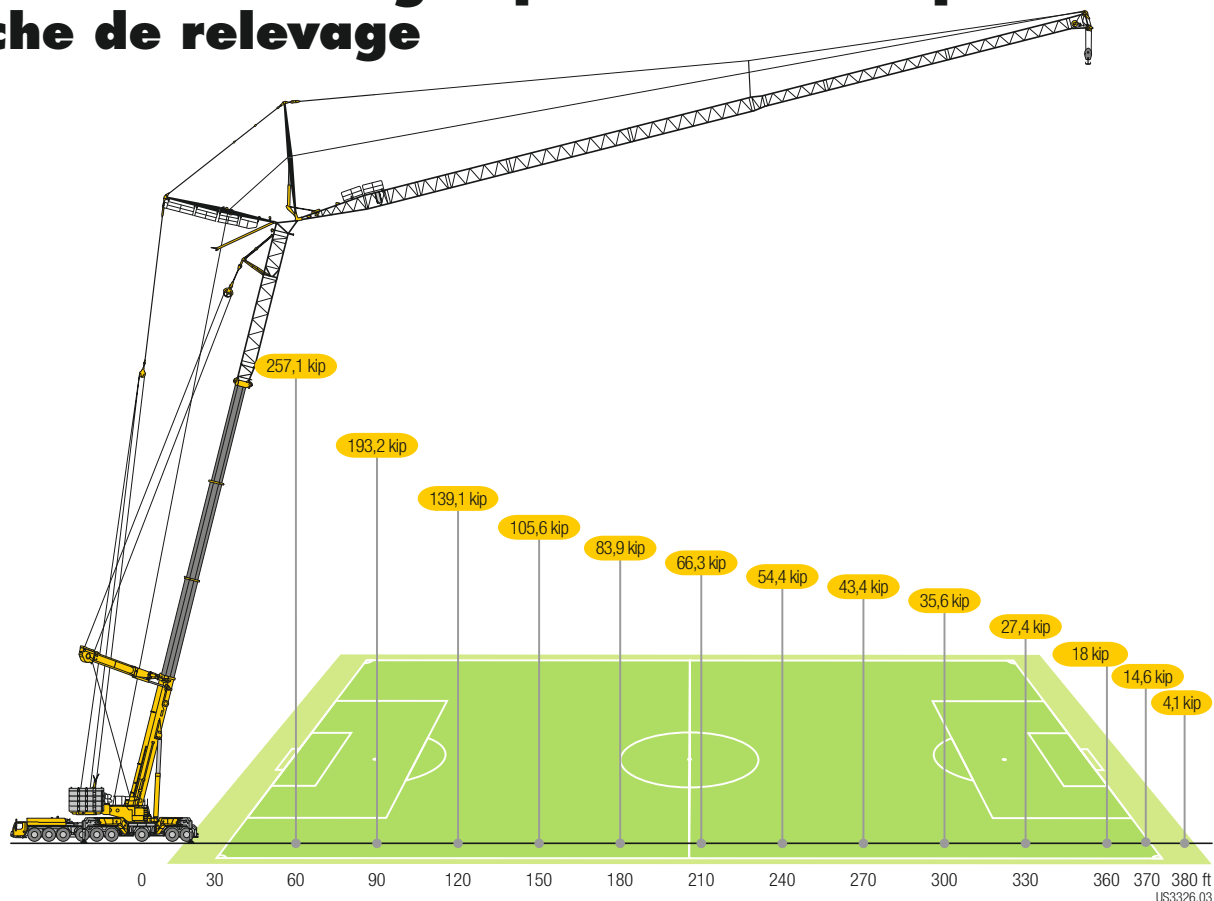
LIKUFIX® est un système d'attache rapide hydraulique combiné avec un système d'accouplement hydraulique automatique, développé en interne par Liebherr. LIKUFIX® permet un raccord hydraulique sûr et rapide de l'équipement moteur.

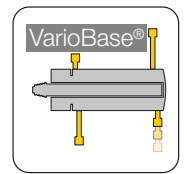


Optimized for the installation of wind power plants Idéale pour l'installation de parcs éoliens



High lifting capacities with luffing jib Capacités de charge optimisées avec pointe de flèche de relevage





More safety

With the Variable Supporting Base VarioBase® each individual crane support can be positioned differentially.

Sécurité accrue

La base de calage variable VarioBase® permet de positionner chaque stabilisateur séparément et différemment.

More capacity and larger working range

The VarioBase® offers higher capacities and a larger working range for operations with partial ballast also at maximum support base.

Capacité supérieure et zone de travail élargie

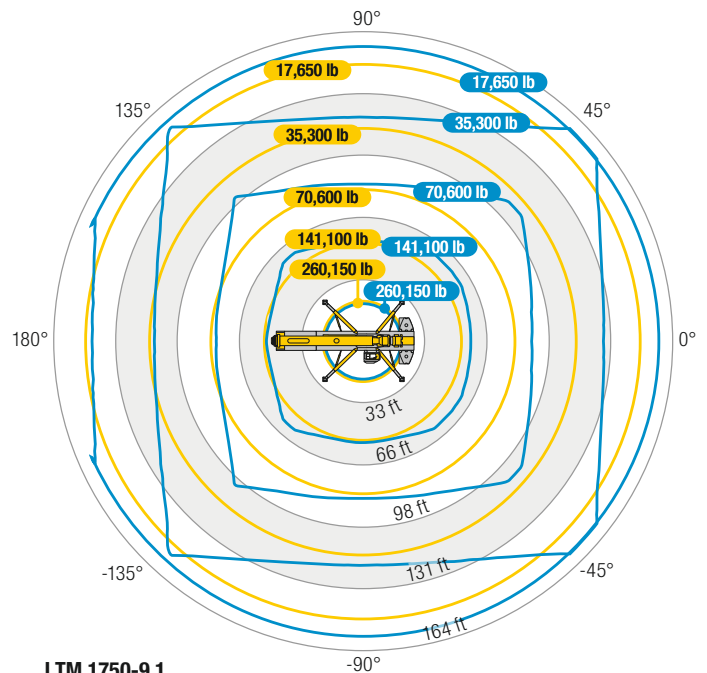
La VarioBase® est synonyme de capacités de charge supérieures et d'une zone de travail élargie, même avec une base de calage large.

Optimized support base due to adjustable folding beam angle

At the LTM 1750-9.1 with VarioBase® the folding beam angle of the stellate support can be variably adjusted.

Base de calage optimisée grâce à l'angle réglable de poutre rabattable

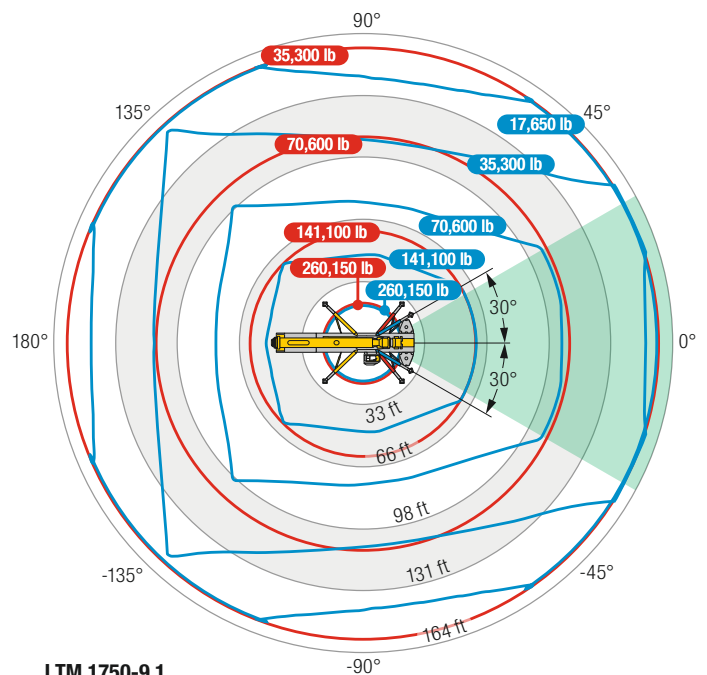
Sur la LTM 1750-9.1 avec VarioBase®, l'angle de poutre rabattable du calage en croix est variable.



LTM 1750-9.1



US3377

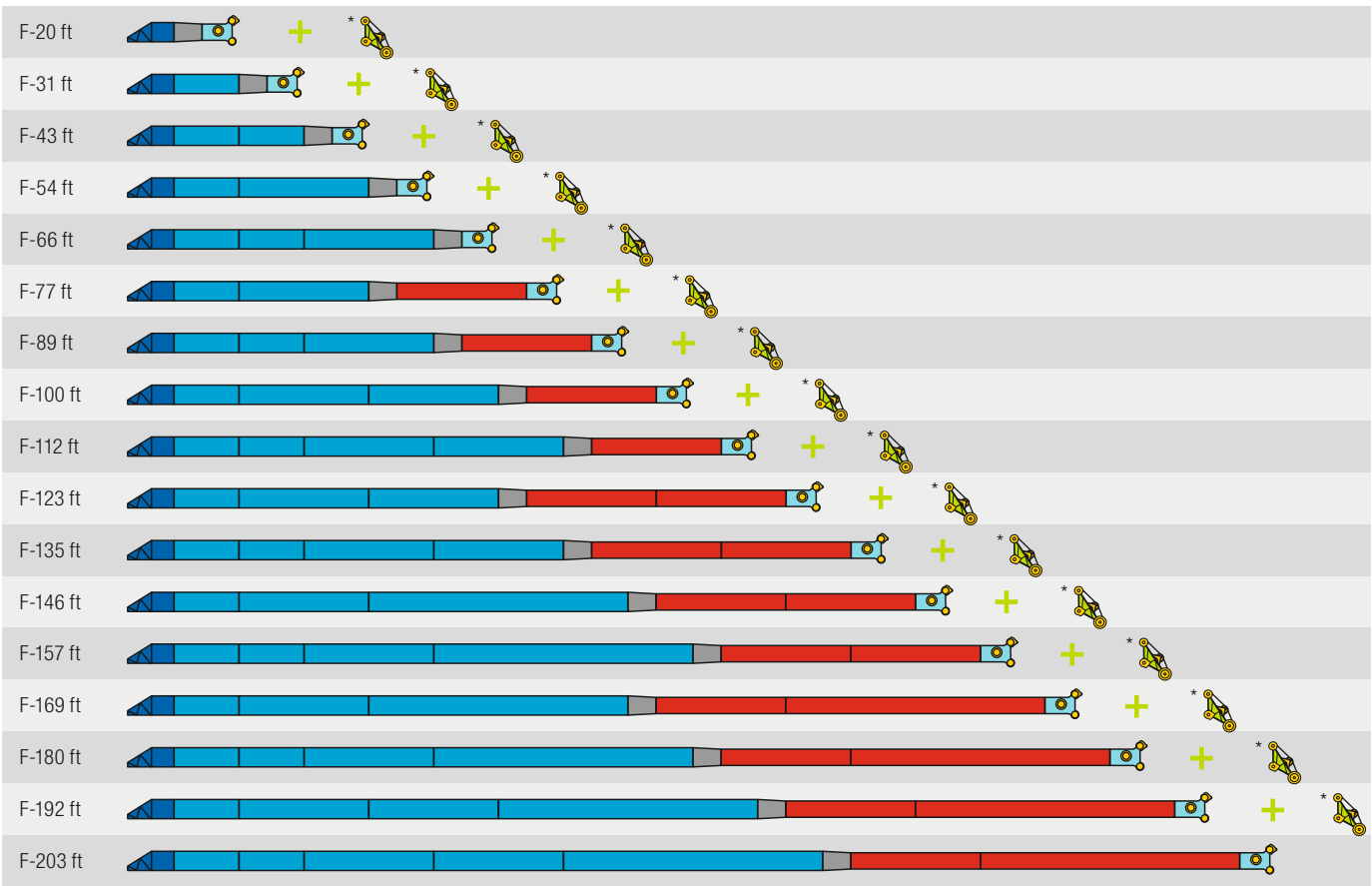


LTM 1750-9.1












US3376

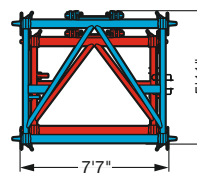
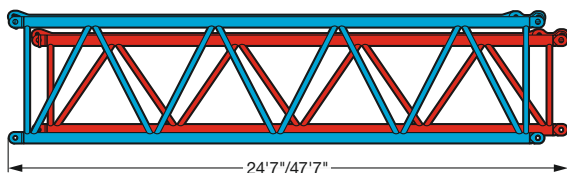
Boom/jib combinations - Fixed fly jib/ Configurations de flèche - Fléchette fixe



After the TF-adapter a 11'6" long NA-extension has to be installed. (Exception F-20 ft) · Un élément NA de 11'6" doit être monté en bout de l'adaptateur TD. (Exception F-20 ft)

-  8'2" TF-adapter · TF-adaptateur
-  NA-11'6"
-  NA-23'
-  NA-46'
-  4'11" NI reduction section · Élément réducteur NI
-  NI-23'
-  NI-46'
-  6'7" N head section · Élément de tête N
-  5'7" H auxiliary jib optional, dependent on boom system · Fléchette auxiliaire H en option, selon le système de flèche

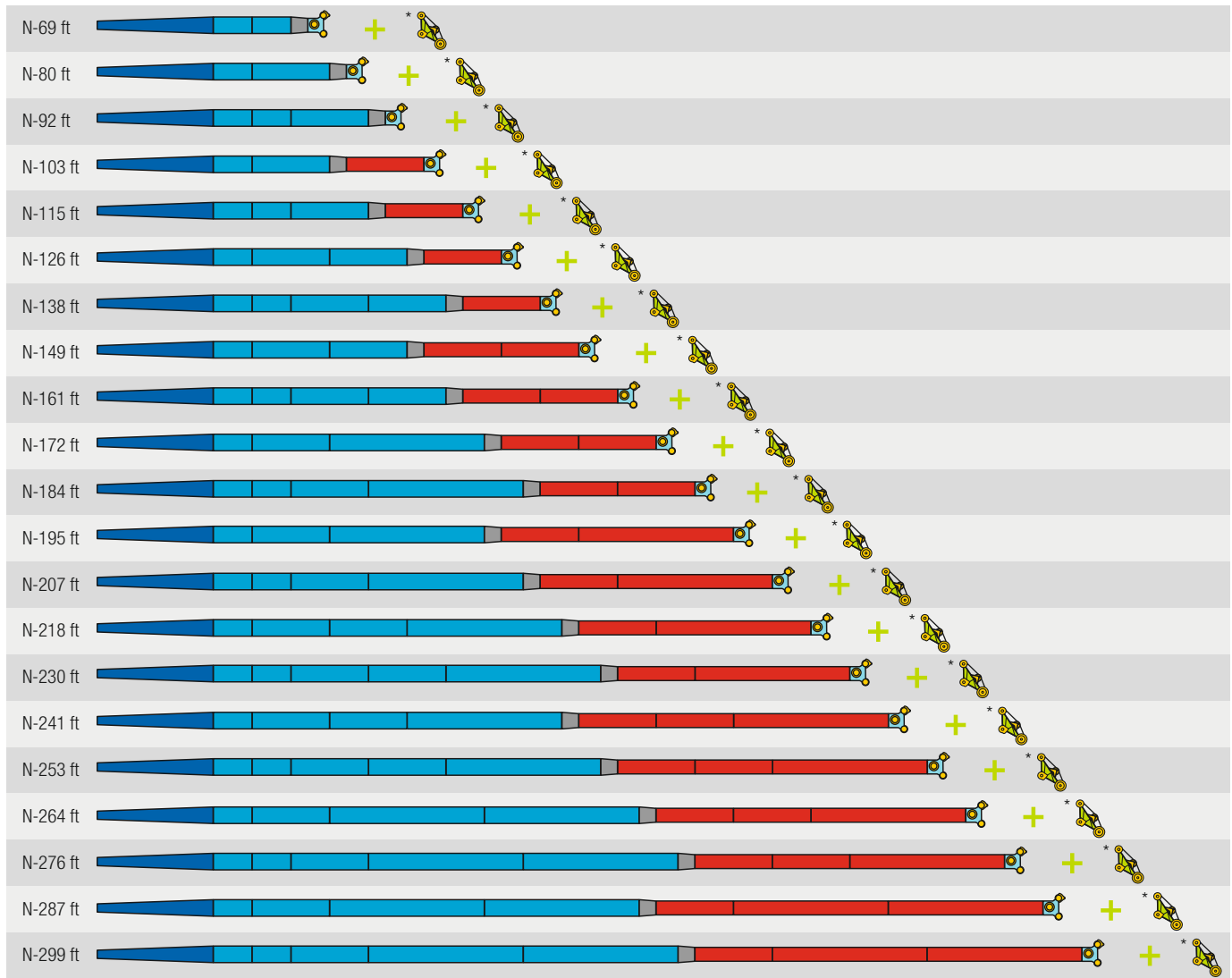
US3362.01












US2517

Boom/jib combinations - Luffing fly jib

Configurations de flèche - Fléchette à volée variable

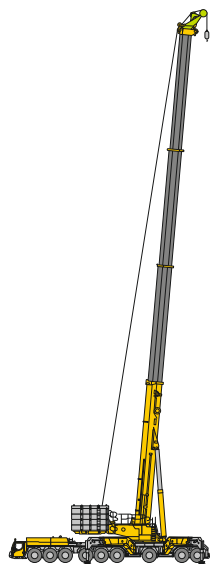


-  34'5" N-shaped base section · Element de base N
-  NA-11'6"
-  NA-23'
-  NA-46'
-  4'11" NI reduction section · Élément réducteur NI
-  NI-23'
-  NI-46'
-  6'7" N head section · Élément de tête N
-  5'7" H auxiliary jib optional, dependent on boom system · Fléchette auxiliaire H en option, selon le système de flèche

US3361.01

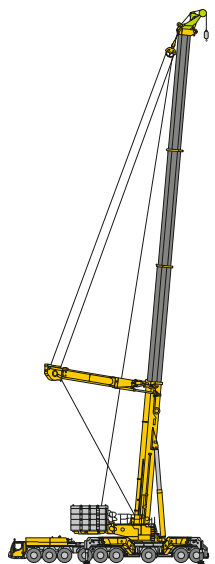
Boom/jib combinations Configurations de flèche

- T** Telescopic boom
Flèche télescopique
- N** Luffing fly jib
Fléchette treillis à volée variable
- F** Fixed lattice jib
Fléchette treillis fixe
- NZF** Hydraulically adjustable lattice jib
Fléchette treillis à bras réglable hydrauliquement
- H** Auxiliary jib
Fléchette auxiliaire
max. system length with auxiliary jib not possible
longueur max. du système impossible avec la pointe auxiliaire



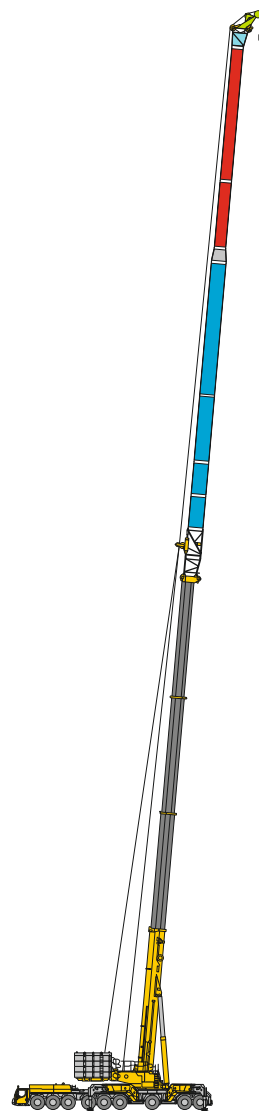
TH

27 – 28



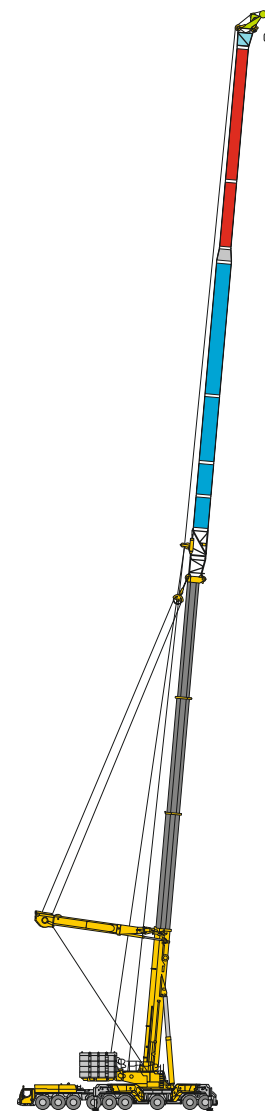
TYH

29 – 32



**TFH
TNZFH**

33 – 51



**TYFH
TYNZFH**

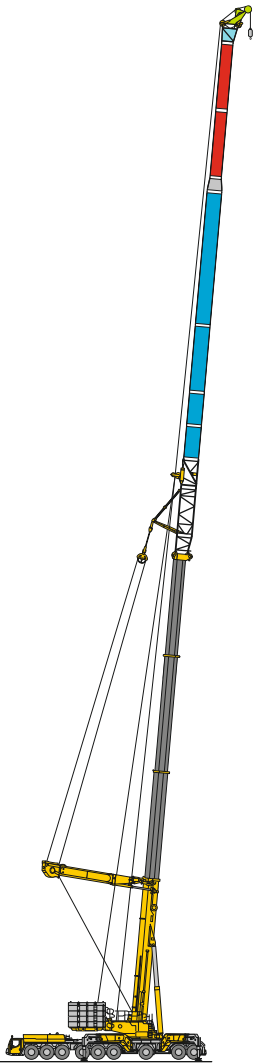
52 – 69



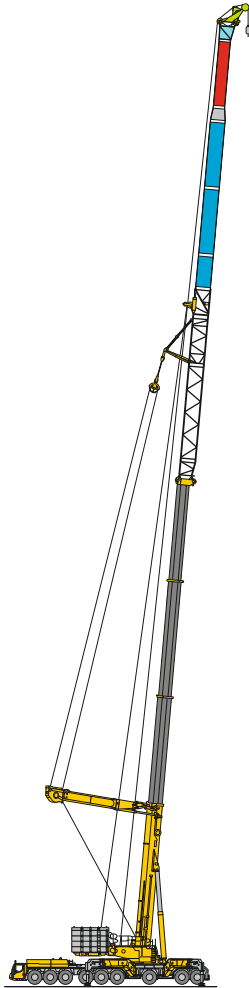
Boom/jib combinations

Configurations de flèche

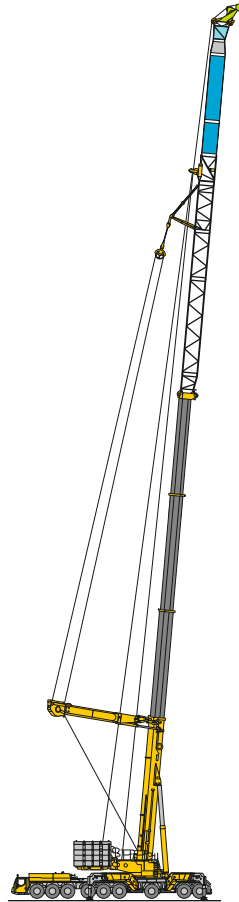
- Y** Y-shaped guying system / Haubanage Y
- VE** Telescopic boom extension 16.4 ft + Eccentric
Rallonge de flèche télescopique 16.4 ft + Axe excentrique
- V2** Telescopic boom extension 32.8 ft / Rallonge de flèche télescopique 32.8 ft
- V3** Telescopic boom extension 16.4 ft / Rallonge de flèche télescopique 16.4 ft



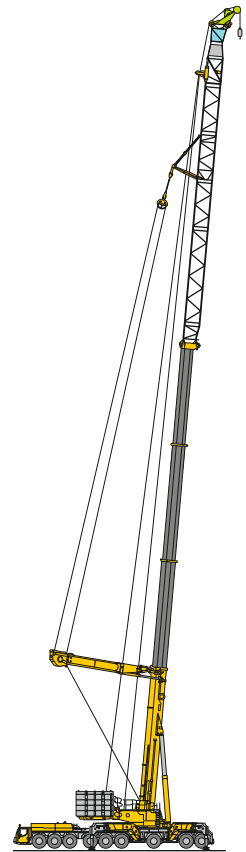
TYVEFH
TYVENZFH



TYV2EFH
TYV2ENZFH



TYV23EFH
TYV23ENZFH



TYV23E3FH
TYV23E3NZFH



Boom/jib combinations Configurations de flèche



TNH

TYVENH

TYV2ENH

TYV23ENH



70 – 86

87 – 103

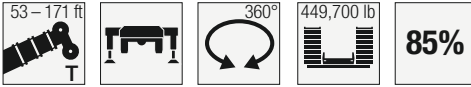
104 – 120

121 – 125

S2607.03

Lifting capacities Forces de levage

T



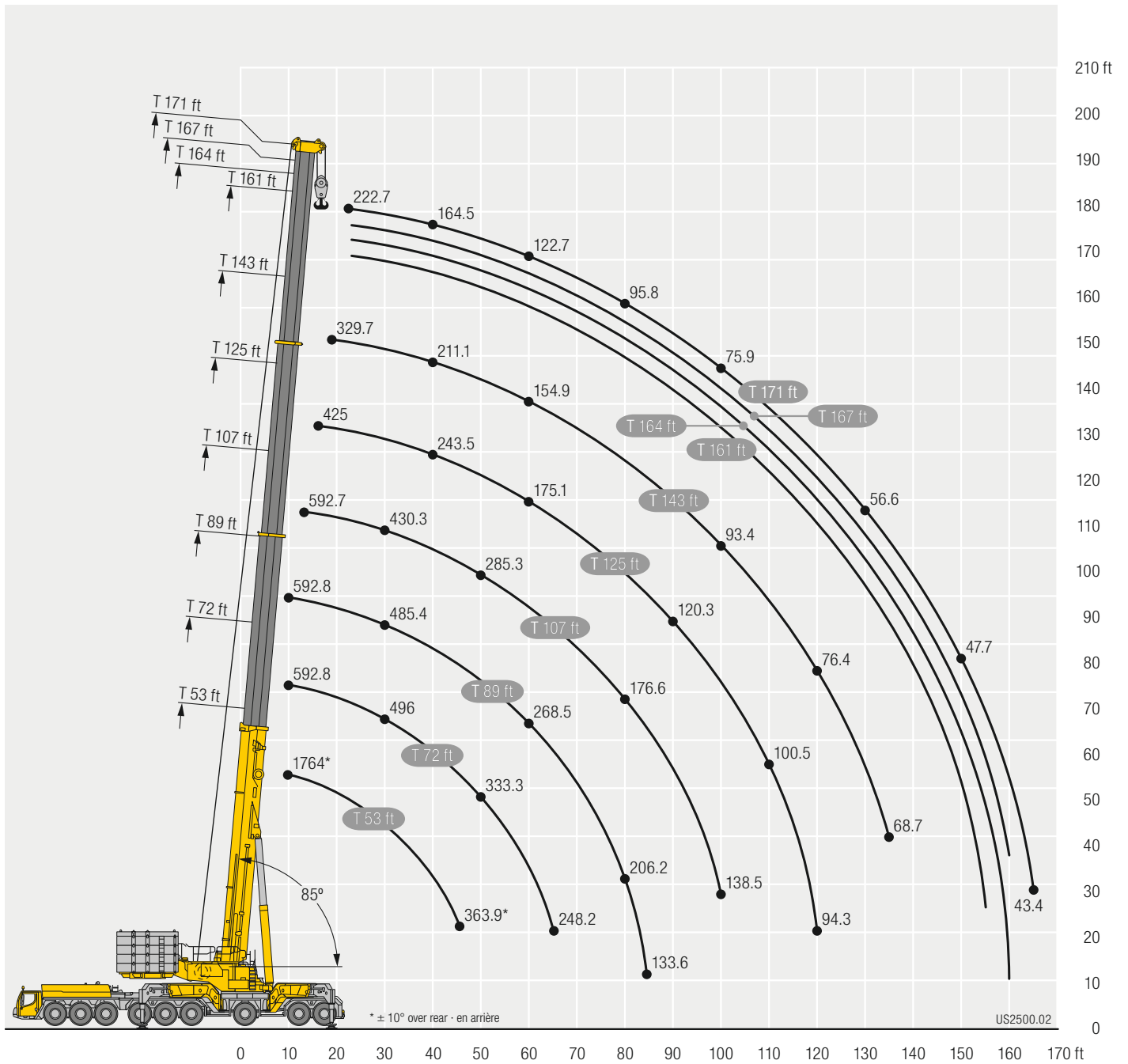
Lift Height (ft)	53 ft		72 ft	89 ft	107 ft	125 ft	143 ft	161 ft	164 ft	167 ft	171 ft	Lift Height (ft)
	*	*										
10	1764	592.8	592.8	592.8								10
11	977.3	592.8	592.8	592.8								11
12	868	592.8	592.8	592.8	592.7							12
13	806.1	592.8	592.8	592.8	591							13
14	756.6	592.8	592.8	592.8	589.2							14
15	722.7	592.8	592.8	592.8	587.4	425						15
16	697.3	592.8	592.8	590.9	585.6	414.9						16
17	675.6	592.8	592.8	588.4	583.8	404.8						17
18	654.9	592.8	592.8	586	582	394.7	329.7					18
19	634.9	592.8	592.8	583.6	580.2	384.5	323.6					19
20	616.5	592.8	592.8	581.2	570.2	374.4	316.9					20
22	593.6	592.8	592.8	576.4	541.6	354.2	303.7	255.9	247.5	228.8	222.7	22
24	577	577	576.6	568.2	512.6	338.1	290.4	247.1	239.5	222.5	216.1	24
26	547.5	547.5	547.5	540.7	483.6	324.2	277.5	238.3	231.4	215.9	208.7	26
28	520.5	520.5	520.5	513.3	454.5	310.7	265.6	229.5	223.3	209.4	201.4	28
30	495.9	495.9	496	485.4	430.3	297.3	256.5	220.7	215.2	202.8	194	30
32	473.5	473.5	473.5	457.5	412.4	283.8	247.4	212.6	207	196.3	186.7	32
34	452.8	452.8	452.8	436.4	394.9	270.9	238.3	206.4	201	190.8	180.1	34
36	433.9	433.9	433.7	420.1	377.5	260.3	229.2	200.2	195.1	185.8	174.7	36
38	416.2	416.2	416.1	404.4	360.1	251.9	220.2	194	189.3	181	169.6	38
40	399.8	399.8	399.8	388.9	342.6	243.5	211.1	187.9	183.6	176.2	164.5	40
45	363.9	363.9	363.9	350.3	310.6	222.5	195.5	172.5	169.1	164.2	151.7	45
50			333.3	315.1	285.3	203.2	181.2	160.4	156.6	152.6	139.4	50
55			307	291.8	259.9	188.4	167.1	150.3	147.2	143.8	130.9	55
60			284.2	268.5	236	175.1	154.9	140.3	137.8	135	122.7	60
65			248.2	249	220	163.1	145.9	130.2	128.4	126.2	114.4	65
70				233.2	203.9	151.1	136.8	123	120.7	118.2	106.4	70
75				217.9	188.3	143.3	127.8	116.7	114.6	112.2	101	75
80				206.2	176.6	135.4	118.7	110.3	108.5	106.6	95.8	80
85				133.6	165.8	127.6	111.9	104	102.5	100.9	90.7	85
90					155.3	120.3	105.8	97.6	96.5	95.3	85.5	90
95					147.2	115	99.6	92.4	91.1	89.8	80.4	95
100					138.5	109.7	93.4	88.2	86.7	85.3	75.9	100
105						104.4	88.1	83.9	82.7	81.4	72.4	105
110						100.5	83.7	79.7	78.7	77.6	69	110
115						96.8	80	75.5	74.7	73.8	65.6	115
120						94.3	76.4	72	71	70	62.1	120
125							73.6	68.9	68	66.9	59	125
130							71.1	65.8	65.2	64.3	56.6	130
135							68.7	62.7	62.3	61.6	54.3	135
140								59.9	59.4	58.9	51.9	140
145								57.4	57	56.4	49.6	145
150								55	54.7	54.1	47.7	150
155								52.9	52.3	51.9	46	155
160									46.1	49.9	44.3	160
165											43.4	165

* ± 10° over rear · en arrière

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Lifting heights Hauteurs de levage

T



Lifting capacities Forces de levage

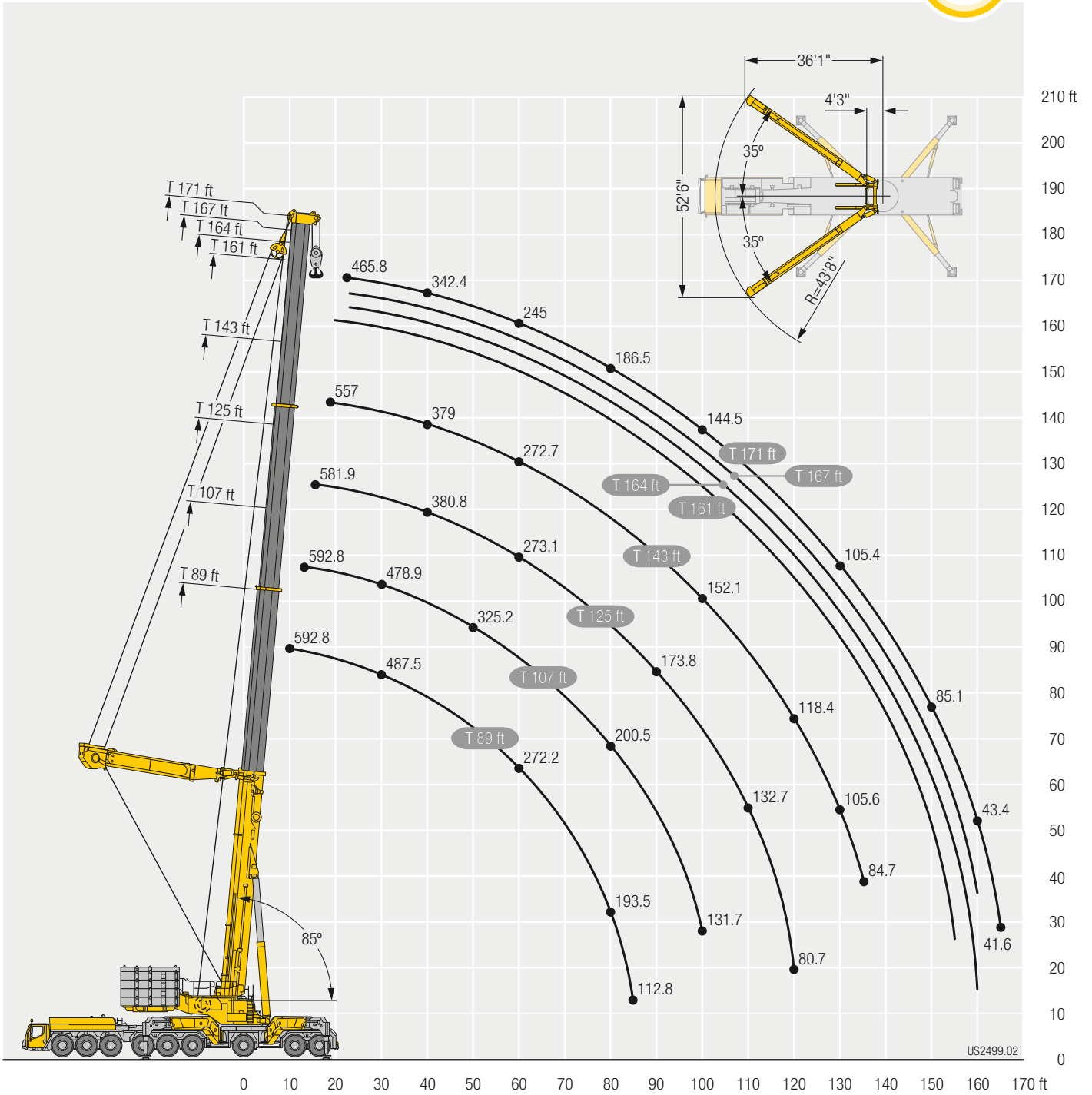
TY



	89 ft	107 ft	125 ft	143 ft	161 ft	164 ft	167 ft	171 ft	
10	592.8								10
11	592.8								11
12	592.8	592.8							12
13	592.8	592.8							13
14	592.8	592.8							14
15	592.8	592.8	581.9						15
16	592.8	592.8	586						16
17	592.8	592.8	583						17
18	592.8	592.8	580	557					18
19	592.8	592	577	551.5					19
20	592.8	588.2	574	545.9	492.2	488.3			20
22	592.3	575.3	561.7	534.6	478.6	479.1	463.1	465.8	22
24	565.2	552.1	536.5	523.3	464.6	465.2	450.5	451.3	24
26	537.1	526.1	511.2	507.8	450.5	449.6	437.9	436.9	26
28	511.1	501.6	488	484.7	436.5	433.9	425.4	422.4	28
30	487.5	478.9	466.6	463.8	422.2	418.7	412.8	407.9	30
32	466	458.1	446.8	444.4	407.7	404	399.7	394.2	32
34	445.5	438.9	428.5	426.3	393	390	386.3	380.8	34
36	426.4	421.1	411.5	409.5	378.4	375.9	372.8	368	36
38	408.5	404.8	395.6	393.7	363.7	361.9	359.3	355.2	38
40	391.6	389.2	380.8	379	349	347.8	345.8	342.4	40
45	354.3	354.8	348.1	346.4	314	313.4	312.2	310.3	45
50	322.8	325.2	319.6	318.5	291.7	289.8	287.4	284.3	50
55	295.8	299.5	294.7	294.1	269.5	268.4	266.9	264.6	55
60	272.2	275.9	273.1	272.7	247.2	246.9	246.4	245	60
65	251.4	255.4	254	253.6	228.7	227.9	227.2	225.8	65
70	231.7	236.7	235.2	235	214.8	213.2	211.7	209.5	70
75	211.9	217.6	217.3	217	201.8	200.7	199.7	198	75
80	193.5	200.5	201.3	201.1	188.9	188.2	187.8	186.5	80
85	112.8	185.4	187.1	187.2	175.9	175.8	175.8	175	85
90		172	173.8	174.6	163.2	163.4	163.8	163.5	90
95		159.9	161.8	162.7	155.1	154	153.2	152	95
100		131.7	151.1	152.1	147	146.3	145.8	144.5	100
105			141.5	142.4	139	138.6	138.5	137.4	105
110			132.7	133.7	130.9	130.9	131.1	130.3	110
115			120.4	125.7	123.2	123.3	123.7	123.3	115
120			80.7	118.4	117.4	117	116.7	116.3	120
125				111.7	111.1	111.5	111.4	110.5	125
130				105.6	104.9	105.4	105.8	105.4	130
135				84.7	99.2	99.6	100	99.9	135
140					94	94.4	94.7	94.5	140
145					89.1	89.5	89.9	89.7	145
150					77.9	85	85.3	85.1	150
155					54.1	68.4	76.8	80.9	155
160						31.6	57.5	67.8	160
165								43.4	165

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Lifting heights Hauteurs de levage



US2499.02

Lifting capacities Forces de levage

TY

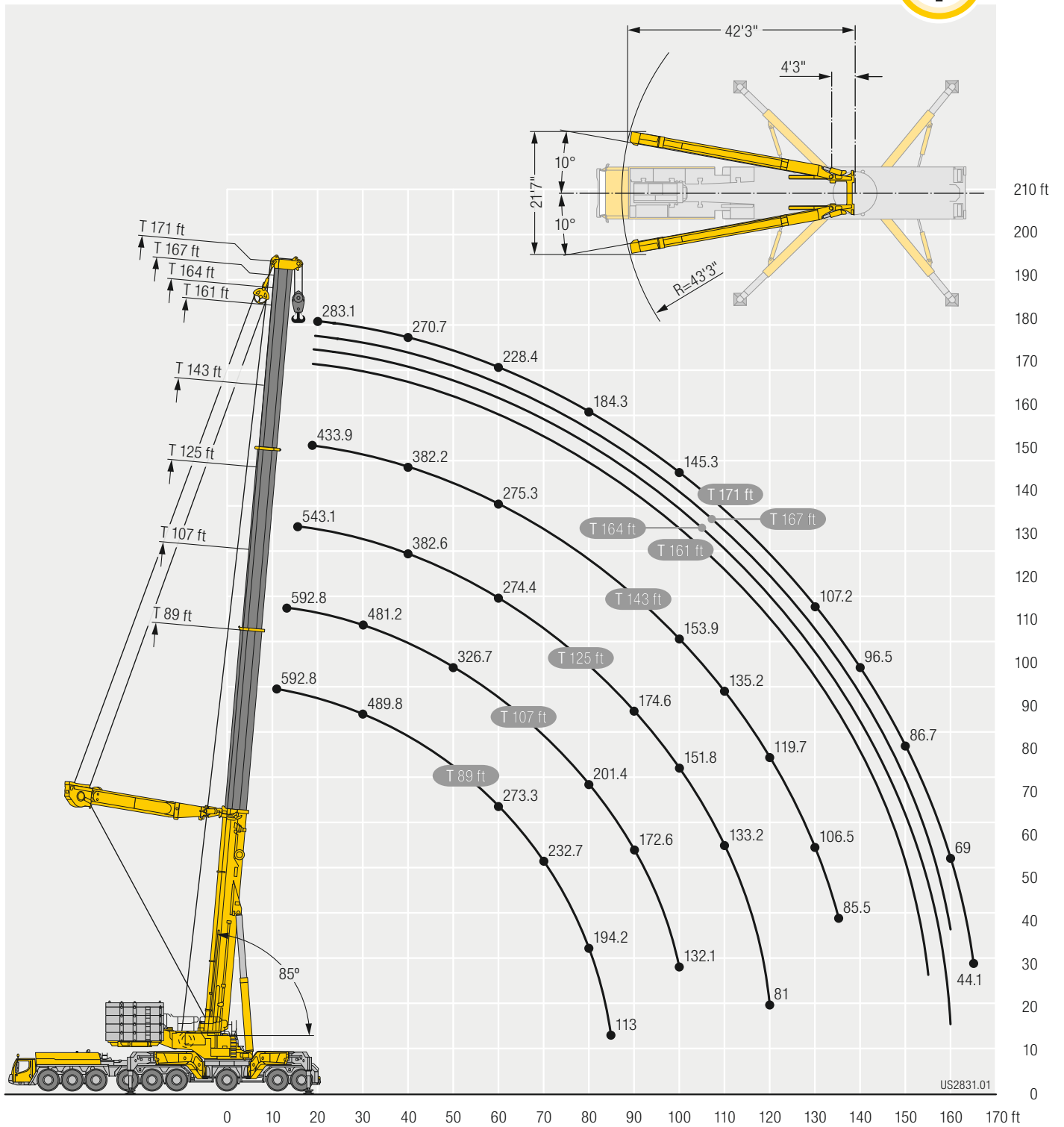


	89 ft	107 ft	125 ft	143 ft	161 ft	164 ft	167 ft	171 ft	
11	592.8								11
12	592.8								12
13	592.8	592.8							13
14	592.8	592.8							14
15	592.8	592.8	543.1						15
16	592.8	592.8	584.5						16
17	592.8	592.8	584.6	433.9					17
18	592.8	592.8	584.8	434.8					18
19	592.8	592.6	584.9	435.1	329.3	313			19
20	592.8	592.3	585.1	435.3	329	313.4	297.6	283.1	20
22	592.8	581.7	566.6	435.8	328.3	313.2	297.8	283.9	22
24	567.9	555.6	539	436.2	327.7	313.1	298.1	284.5	24
26	539.6	528.6	513.6	435.7	327	313	298.3	285.2	26
28	513.5	503.9	490.3	431.8	326.4	312.9	298.5	285.8	28
30	489.8	481.2	468.8	426.3	323.7	311.5	298.4	286.5	30
32	468.2	460.3	448.9	420.8	320	308	295.1	284.1	32
34	447.6	441	430.5	415.3	316.2	304.4	291.7	280.9	34
36	428.4	423.1	413.4	408	312.5	300.7	288.2	277.5	36
38	410.4	406.7	397.5	397	308.7	297.1	284.6	274.1	38
40	393.4	391	382.6	382.2	305	293.5	281.1	270.7	40
45	356	356.4	349.7	349.4	293.8	283.5	271.9	262	45
50	324.3	326.7	321.1	321.3	275.8	268.7	259.6	251.6	50
55	297	300.8	296.1	296.8	257.9	253.1	246.3	240	55
60	273.3	277.1	274.4	275.3	240	237.5	232.9	228.4	60
65	252.3	256.6	255.2	256.2	224.7	223.2	220	216.8	65
70	232.7	237.8	236.5	237.6	212.1	210.7	208.1	205.7	70
75	212.7	218.7	218.5	219.5	199.9	198.9	196.9	195	75
80	194.2	201.4	202.4	203.4	187.6	187.2	185.7	184.3	80
85	113	186.2	188	189.4	175.4	175.5	174.5	173.6	85
90		172.6	174.6	176.6	163.8	164.1	163.4	162.9	90
95		160.5	162.6	164.6	155.8	155.1	153.6	152.4	95
100		132.1	151.8	153.9	147.8	147.5	146.4	145.3	100
105			142.1	144.1	139.9	139.9	139.2	138.4	105
110			133.2	135.2	132	132.3	132	131.5	110
115			120.8	127.1	124.5	124.9	124.8	124.7	115
120			81	119.7	118.8	118.7	118.1	117.9	120
125				112.8	112.9	113.2	112.9	112.3	125
130				106.5	106.7	107.4	107.5	107.2	130
135				85.5	100.8	101.5	101.8	101.9	135
140					95.4	96.1	96.4	96.5	140
145					90.3	91	91.3	91.4	145
150					79	86.2	86.6	86.7	150
155					54.8	69.5	78	82.2	155
160						32	58.4	69	160
165								44.1	165

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Lifting heights Hauteurs de levage

TY



Lifting capacities Forces de levage

TNZF 20 ft



	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*					
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
10	264.3																				10	
11	261.3																				11	
12	258.4																				12	
13	255.5	210.7																			13	
14	252.6	207.1																			14	
15	249.6	203.5																			15	
16	246.6	199.9	162.7		248.8																16	
17	243.6	196.2	160.5		247.2																17	
18	239.7	192.6	158.3		245.6																18	
19	234.9	189	156.1		244				238.1												19	
20	229.1	185.4	153.9		242.4	207			236.8												20	
22	217.6	178.1	149.5	120.4	239.1	202.7			234.3												22	
24	208.7	170.9	145.1	118.6	235.8	198.3	159		231.7	203.2				206.8							24	
26	201.1	163.9	141.2	116.7	232.4	194	156.4		229.2	199.4	159.1			201.8				168.8			26	
28	193.5	159.2	137.8	114.9	228.9	189.7	153.8	120.4	226.4	195.5	156.8			196.9	191.9			164.6			28	
30	185.9	154.6	134.4	113	225.5	185.4	151.2	119.3	220.8	191.7	154.5	120.4		192	186.6	157.2		160	154.3		30	
32	178.3	150	131	111.2	222.1	181.1	148.5	118.3	214.8	187.9	152.2	119.5		187	181.3	155.1		155.4	150.3		32	
34	170.8	145.4	127.5	109.3	218.6	176.7	145.9	117.2	208.7	184.1	149.9	118.5		181.8	176	153.1	119.5	150.8	146.2	142.5	34	
36	164.2	141.3	124.7	107.6	215	172.4	143.3	116.1	202.7	180.3	147.6	117.6		176.5	171.1	151	118.2	146.4	142.2	139	36	
38	158.6	137.6	122.7	105.9	210.7	168.1	141.3	115.1	196.7	176.5	145.3	116.7		171.1	166.4	148.9	116.7	142.2	138.2	135.4	115.1	38
40	153.6	134	120.6	103.9	206.1	163.9	139.3	113.6	190.8	172.7	143.1	115.5		165.8	161.8	146.9	115.4	138.8	134.6	131.7	113.9	40
45	141.6	125.1	115.5	99.7	194.8	157.1	134.3	110	177	163.6	138.6	112		152.4	150.1	142.1	112.1	130.1	126.5	123.8	110.9	45
50	131.5	119.4	110.3	95.8	183.5	150.2	129.2	106.5	163.6	157.4	134.2	108.9		141.8	139.9	137.2	109.2	121.5	118.5	116.3	108.1	50
55	122.9	113.7	105.1	91.7	172.1	143.4	124.8	103.6	150.8	148.2	129.8	106		132.4	130.7	128.9	106.5	114.1	111.5	109.7	104.9	55
60	116.2	107.9	99.5	90.3	162.2	138	121.8	100.8	140.6	139.3	125.5	103.4		123.1	121.5	120.7	104.1	108	105.5	103.7	101.4	60
65	109.6	101.4	94.5	46.7	154.6	132.6	118.8	98.4	132.1	130.5	122.9	101.1		114.6	113.9	113.9	101.8	101.8	99.5	97.8	96.7	65
70	101.4	94.9	90.4	11	147.3	127.3	115.8	96.3	123.6	121.8	119.5	98.9		108.2	107.5	107.1	99.5	95.7	93.7	93	91.8	70
75	92.7	90.3	37.3		140.6	123.3	111.3	94.4	115.1	114	113.2	97		102.1	101.1	100.3	97.2	90.5	89.3	88.6	87.1	75
80					134.6	119.9	107.7	92.8	107.9	107.8	107	95.3		95.9	94.7	94.5	94.7	86.1	85	84.1	83.2	80
85					128.7	115.9	104.2	91.4	102.4	101.8	100.9	93.6		89.8	89	89.5	89.9	81.6	80.6	79.8	79.3	85
90					123.8	111.3	100.9	90.3	96.8	95.9	95.7	92		84.6	84.5	84.6	85	77.1	76.3	75.9	75.7	90
95					119.8	106.8	98.3		91.3	90.6	90.8	90		80.3	80.1	79.9	80.5	72.6	72.4	72.4	72.4	95
100					114.6	102.8	95.7		86.1	86.1	85.9	86.1		76.3	75.7	75.8	76.6	68.7	69	68.9	69.2	100
105					108.9	99.6	93.5		81.8	81.7	81.5	81.5		72.2	71.5	72.2	72.7	65.5	65.6	65.4	66.1	105
110					104.4	96.3	91.7		77.6	77.2	77.5			68.2	68.3	68.5	69.1	62.4	62.3	62.4	63	110
115					100	93.6	90.2		73.4	73.3	73.5			64.9	65.1	64.9	65.7	59.4	59	59.6	60	115
120					95.9	91.2			69.3	69.5	69.8			62	61.9	62		56.4	56.3	56.8	57.1	120
125					92.4				65.8	65.8	66.2			59	58.8	59		53.6	53.9	54	54.5	125
130									62.3	62.3	62.7			56.1	56.1	56.1		51.2	51.4	51.6		130
135									58.8	59.1				53.3	53.5	53.5		49	49	49.3		135
140									55.9	56				51	51	51		46.8	46.6	47.1		140
145									53.1					48.7	48.6	48.7		44.6	44.6	44.9		145
150														46.4	46.5			42.6	42.7	42.9		150
155														44.3	44.5			40.8	40.7	41		155
160														42.2				39	38.8	39.1		160
165																		37.2	37.2			165
170																		35.5	35.6			170
175																		34.2				175
180																		32.9				180

* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TNZF 31 ft



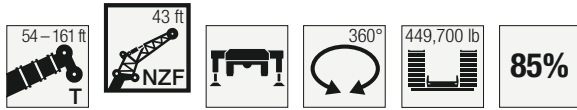
	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
	NZF 31 ft																				
11	260.9																				11
12	258.3																				12
13	255.8																				13
14	253.2																				14
15	250.7																				15
16	248.1																				16
17	245.4	207.8																			17
18	242.5	204.6			240.9																18
19	239.7	201.5			239.5																19
20	236.8	198.3			238.1																20
22	231.1	191.9	160.4		235.2				225.7												22
24	222	185.5	154.1		232.4	199			221.6												24
26	212.6	179.2	147.7		229.5	193			217.4												26
28	206	172.8	142.2		225.6	187			213.2	180.4											28
30	199.3	166.4	137.2	102.7	221.5	181.1	144.3		209.1	176											30
32	192.7	161.3	132.3	100.3	217.5	176.2	141		203.4	171.5	138.4										32
34	186.1	155.2	127.4	97.8	213.5	171.4	137.9		197.4	167.1	135.9										34
36	179.4	148.9	123.2	95.7	209.5	166.7	135.1	99.2	191.1	163.2	133.3										36
38	172.8	142.7	119.6	93.7	205.1	162	132.3	97.7	184.7	159.6	130.7										38
40	166.6	136.5	116	91.7	200.2	157.4	129.5	96.3	178.4	156.1	128.5	96.4									40
45	152.3	125.4	107.1	87.4	186.8	148.5	123.1	93.2	163.5	147.3	122.9	93.6									45
50	134.6	115.4	100.8	83.5	173.3	139.7	117.3	90.2	152.6	140	117.8	90.8									50
55	122.4	105.6	94.5	80.5	161.9	132	111.9	87.6	141.7	133.2	113.3	88.3									55
60	112	98.7	88.8	77.6	152.5	125.8	107.2	85.1	131.6	126.5	108.8	86.1									60
65	101.8	92.2	84.5	75.3	143.4	119.5	102.5	83	123.2	120	105	84.1									65
70	94.6	86.2	80.3	73.7	134.4	113.3	98.3	81	116.2	113.6	101.3	82.1									70
75	87.8	81.6	77.1	61.8	126	108.3	94.8	79.2	109.2	107.1	97.6	80.4									75
80	81.6	77.1	74.3	12.2	120	103.7	91.4	77.6	102.2	100.9	94.3	78.8									80
85	76.3	73.8	61.5	11	114.1	99	88.2	76.1	95.9	95.5	91.3	77.4									85
90					108.1	94.8	85.6	74.9	91.1	90.7	88.4	76.1									90
95					102.4	91.3	83	73.7	86.6	85.9	85.2	75									95
100					98.2	88	80.6	72.9	82	81.2	81.5	74									100
105					93.9	84.7	78.7		77.4	77.3	77.5	73									105
110					89.7	82	76.8		73.7	73.7	73.7	71.5									110
115					85.8	79.6	75.1		70.3	70.1	70.1	69.7									115
120					82.7	77.2	73.9		67	66.5	66.9										120
125					79.6	75.1	72.6		63.6	63.5	63.8										125
130					76.6	73.5			60.4	60.7	60.8										130
135					74.2	72			57.6	57.9	58.2										135
140					72.1				54.8	55.1	55.6										140
145									52	52.5											145
150									49.6	49.9											150
155									47.2												155
160																					160
165																					165
170																					170
175																					175
180																					180
185																					185
190																					190

* adapter - pièce d'adaptateur

max1_198_203_00101_00_000

Lifting capacities Forces de levage

TNZF 43 ft



↙	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘			
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°				
13	250.1																				13			
14	243.8																				14			
15	237.5																				15			
16	231.3																				16			
17	225																				17			
18	218.7																				18			
19	213.1																				19			
20	208.9	169			207.1																20			
22	200.4	163			201.2																22			
24	192	157			195.3				186												24			
26	183.5	151			189.3				181.8				149								26			
28	175.3	146.5	125.3		183.6	149.8			177.5				162.9								28			
30	168.9	142	122.1		179.2	146.6			173.2				158.5							129.5	30			
32	163.2	137.6	118.8		174.9	143.5			169	140.3			154							126.4	32			
34	157.5	133.1	116		170.7	140.4	120.1		165.5	137.8			149.6							123.4	34			
36	151.8	129.1	113.3		166.4	137.8	118		162.1	135.4			145.2	130.1						120.3	36			
38	146.1	125.8	110.6	81.9	162.1	135.3	116		158.9	132.9	114.3		141.1	128.2						117.3	38			
40	140.4	122.6	107.9	80.4	157.9	132.7	114.1		155.6	130.7	112.7		137.5	126.3						114.3	109.6	40		
45	130.7	114.6	101.9	77	149.7	126.6	109.5	78.9	147.5	125.7	108.7		129.2	121.1	105.9					107.7	103.5	45		
50	121.7	107.9	96.5	74	142	121.5	105.2	76.7	139.4	120.7	105.1	76.6	120.9	114.6	102.7					101.8	97.7	94.5	50	
55	112.9	102.4	91.6	71.4	134.4	116.6	101.3	74.8	131.3	116.5	101.6	74.8	113.2	108	99.9	74.2				96	92.7	89.7	55	
60	105.4	96.9	87.7	69	128.3	111.9	97.5	72.9	123.2	112.6	98.5	73.1	107.3	102.2	97	72.7				90.2	87.7	85.3	71.6	60
65	99.8	91.9	83.8	67.3	123	108	94.4	71.3	115.6	108.6	95.2	71.5	101.5	97.1	93.1	71.3				85.9	83.1	80.9	70.3	65
70	94.2	88.2	80.3	65.7	117.9	104	91.5	69.7	109.1	104.3	92.4	70.1	95.7	92	88.9	70				81.7	79.3	77.1	69.1	70
75	89.1	84.5	77.8	64.3	112.7	100.1	88.6	68.4	103.3	99.6	90	68.9	90.1	87	84.8	68.8				77.4	75.4	73.5	68.1	75
80	85.3	81.2	75.2	63.7	107.6	96.6	86	67.1	97.5	94.9	87.5	67.7	85.8	83.3	81.2	67.7				73.1	71.6	70	66.9	80
85	81.5	78.5	73.4	63.2	103.9	93.7	83.7	66	91.7	90.3	85	66.6	81.5	79.6	77.7	66.7				69.9	68.4	66.9	64.9	85
90	77.9	75.8	72.1	23.5	100.1	90.9	81.5	65	86.2	85.8	82.3	65.6	77.2	75.9	74.2	65.8				66.9	65.5	64.2	62.6	90
95	74.6	73	71.2	11	96.4	88.1	79.5	64.2	81.9	81.9	79.4	64.7	72.9	72.1	70.9	65				64	62.7	61.4	60.4	95
100	71	42.9			92.7	85.5	77.8	63.5	78.1	77.9	76.5	64	68.8	68.6	67.8	64.1				61.1	59.9	58.7	58.1	100
105					89.2	83.3	76.2	62.9	74.3	74	73.5	63.3	65.3	65.6	65.1	62.6				58.2	57.1	56.1	55.8	105
110					85.8	81	74.6	62.6	70.5	70.1	70.4	62.8	62.4	62.6	62.3	61				55.4	54.7	54	53.7	110
115					82.4	78.7	73.5	62.3	66.8	67.2	67.2	62.4	59.6	59.6	59.6	59.3				52.9	52.5	51.9	51.6	115
120					79	76.4	72.5		63.9	64.2	64.1	61.7	56.7	56.5	57.1	57.1				50.8	50.5	49.8	49.7	120
125					76	74	71.4		61.1	61.2	61.1	60.4	53.8	54	54.6	54.9				48.7	48.5	47.8	47.8	125
130					73.5	71.7	70		58.3	58.3	58.5		51.3	51.7	52.1	52.7				46.6	46.5	46	46.1	130
135					71.1	69.5	68.5		55.5	55.8	55.9		49.2	49.5	49.7	50.4				44.6	44.6	44.4	44.4	135
140					68.8	67.8			53	53.4	53.4		47.1	47.3	47.5					42.6	42.9	42.7	42.7	140
145					67	66.1			50.7	51.1	51.2		45	45.1	45.5					40.8	41.2	41.1	41.1	145
150					65.3				48.5	48.8	49.1		42.9	43.2	43.5					39.2	39.5	39.5	39.6	150
155									46.3	46.7			40.9	41.3	41.5					37.5	37.8	38		155
160									44.2	44.7			39.2	39.5	39.7					35.9	36.2	36.4		160
165									42.2				37.6	37.7	38					34.3	34.7	34.8		165
170													35.9	36.1						32.8	33.2	33.3		170
175													34.4	34.7						31.4	31.7	31.9		175
180													33.1	33.3						30.1	30.3	30.5		180
185													31.9							28.8	29			185
190																				27.5	27.8			190
195																				26.4	26.6			195
200																				25.5				200

* adapter - pièce d'adaptateur

max1_198_203_00201_00_000

Lifting capacities Forces de levage

TNZF 54 ft



↙	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘		
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°			
14	208.8																				14		
15	203.6																				15		
16	198.5																				16		
17	193.4																				17		
18	188.3																				18		
19	183.2																				19		
20	178.1																				20		
22	169.5				168.2																22		
24	162.1	127.1			163.2				154.6												24		
26	154.6	121.5			158.3				150.4												26		
28	147.2	115.9			153.4				146.2				135.2								28		
30	139.7	110.4			148.5	111.6			142.1				132								30		
32	132.8	106.4	87.7		143.9	108.6			138				128.8						114.9		32		
34	127.4	102.4	84.8		139.4	105.6			133.8	102.8			125.6						112.4		34		
36	122.1	98.5	81.9		134.9	102.6			130.3	100.4			122.3						109.9		36		
38	116.8	94.5	79		130.4	99.8			126.9	98.1			119.2	93.9					107.4		38		
40	111.4	90.6	76.6		125.9	97.4	79		123.5	95.7			116.3	92					104.8		40		
45	98.3	83.3	71		115.9	91.5	75.1		115	90.6	74.3		110.1	87.5					98.7	83.6	45		
50	90.3	76.2	65.8	52.4	108.3	85.9	71.6		106.7	85.9	71.1		104.1	83.5	69.7				93.8	80.2	67.2	50	
55	82.7	70	61.6	49.9	100.8	81.5	68.3	51.9	101	81.3	68.3	51.9	98.1	79.9	67.1				88.8	77.1	65	55	
60	75	65.5	57.5	47.5	93.5	77.2	65.3	50.2	95.3	77.7	65.5	50.4	93.3	76.2	64.8	50.2			83.9	74.3	63	60	
65	68.2	60.9	54.4	45.6	88.3	73.1	62.4	48.6	89.6	74.2	63.1	49	89	73.3	62.5	48.9			79.5	71.5	61.1	48.4	65
70	63.5	56.4	51.5	43.7	83.7	70	59.9	47.2	84.8	70.6	60.8	47.6	84.8	70.5	60.6	47.6			75.9	68.9	59.2	47.2	70
75	58.9	53	48.6	42.2	79.1	66.8	57.5	45.9	80.8	67.9	58.6	46.4	80.6	67.8	58.7	46.5			72.3	66.8	57.5	46.2	75
80	54.4	50.1	46.2	40.8	74.4	63.6	55.1	44.6	77.1	65.4	56.7	45.3	76.8	65.1	56.8	45.4			68.7	64.6	56	45.2	80
85	50.8	47.1	44.2	39.5	70.1	60.6	53	43.6	73.5	62.9	54.7	44.1	73.9	63.1	55.2	44.5			65.2	62.5	54.5	44.3	85
90	47.8	44.6	42.2	38.7	66.8	58.2	51.1	42.5	69.9	60.3	52.7	43.2	71	61	53.5	43.5			62.4	60.3	53.1	43.5	90
95	44.8	42.6	40.5	37.9	63.8	55.8	49.3	41.6	66.3	58	50.9	42.3	68.2	59	51.9	42.7			59.8	58.1	51.7	42.7	95
100	42.2	40.5	39.2	34.7	60.8	53.4	47.6	40.8	63.7	55.9	49.5	41.5	65.3	57	50.3	41.9			57.4	55.8	50.5	41.9	100
105	40	38.9	38	11	57.8	51.2	46.1	39.9	61.3	54	48	40.7	62.4	55	48.9	41.1			54.9	53.6	49.2	41.2	105
110	37.9	37.4	27.2		55	49.4	44.8	39.3	58.9	52	46.5	40	59.7	53.4	47.7	40.4			52.5	51.4	47.9	40.7	110
115					52.9	47.7	43.5	38.6	56.4	50.1	45.2	39.4	57.2	51.8	46.4	39.9			50	49.3	46.6	40.1	115
120					50.7	46	42.3	38.1	54	48.4	44.1	38.8	54.7	50.3	45.2	39.3			47.7	47.4	45.3	39.5	120
125					48.5	44.3	41.3	37.7	52	47	43	38.3	52.2	48.7	44.1	38.8			46	45.6	44.1	39	125
130					46.4	43	40.3		50.3	45.6	41.9	37.9	49.8	47.2	43.2	38.4			44.3	43.9	42.8	38.6	130
135					44.7	41.7	39.4		48.5	44.2	40.9	37.6	47.4	45.7	42.3	38			42.6	42.3	41.5	38.2	135
140					43.1	40.5	38.6		46.7	42.8	40.2		45.4	44.3	41.4	37.6			41	40.6	40.2	37.7	140
145					41.6	39.4	37.9		45	41.8	39.4		43.6	43	40.5	37.3			39.3	39	38.8	37.3	145
150					40.1	38.6	37.4		43.5	40.8	38.6		41.8	41.6	39.6	37.1			37.6	37.7	37.4	36.9	150
155					38.9	37.7			42.2	39.9	38.1		40	40.1	38.8				36.2	36.3	36	36	155
160					37.8				41	38.9	37.6		38.2	38.6	38				34.8	35	34.7	34.8	160
165									39.7	38.2	37.2		36.6	37					33.5	33.7	33.5		165
170									38.6	37.6			35.1	35.4	35.7				32.1	32.4	32.2		170
175									37.7	37			33.7	33.8	34.2				30.7	31.1	31.1		175
180									36.5				32.2	32.4	32.7				29.4	29.8	29.9		180
185													30.8	31.1					28.2	28.5	28.6		185
190													29.7	29.8					27	27.3	27.4		190
195													28.6						25.8	26.1	26.2		195
200																			24.7	25.1			200
205																			23.7	24			205
210																			22.8				210
215																			21.9				215

* adapter - pièce d'adaptateur

max1_198_203_00301_00_000

Lifting capacities Forces de levage

TNZF 66 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
15	178																				15
16	173.8																				16
17	169.6																				17
18	165.4																				18
19	161.3																				19
20	157.1																				20
22	148.7				143.6																22
24	142.1				139.7																24
26	136.7				135.7				128.8												26
28	131.4	108.2			131.6				125.7												28
30	126	104.7			127.6				122.7				114.5								30
32	120.7	101.2			123.7				119.6				112.3								32
34	115.4	97.8			120.7	97			116.6				110.1				99.8				34
36	111.3	95			117.7	95			113.5				107.9				98				36
38	107.9	92.3	79.7		114.8	93			111.1	91.8			105.8				96.2				38
40	104.6	89.7	77.7		111.8	91			108.8	90.1			103.6				94.4				40
45	96.3	83	72.8		104.5	86.6	74.2		103.2	86			99	83			90				45
50	88.5	77.8	68.8		98.8	82.6	71.2		97.6	82.5	70.4		94.8	79.9			85.7	75.9			50
55	82.7	72.9	64.7	51.1	93.8	78.8	68.6		92.7	79.2	68		90.6	77	66.5		81.6	73.5			55
60	77.3	68.2	61.4	48.9	88.8	75.6	66		88.8	75.9	65.8		86.6	74.4	64.5		77.4	71.1	62.4		60
65	72	64.5	58.1	47	84.2	72.5	63.6	48.3	84.8	73.2	63.7	48.2	83.2	71.7	62.6		73.3	68.9	60.7		65
70	66.8	60.9	55	45.1	80.4	69.5	61.3	47	81	70.6	61.7	47	80	69.4	60.8	46.7	69.8	66.7	59		70
75	62.8	57.4	52.4	43.6	77.2	67	59	45.7	77.5	68	59.7	45.9	76.8	67.4	59	45.6	66.7	64.4	57.5	45	75
80	59.2	54	49.9	42.1	73.9	64.5	56.9	44.5	74.7	65.7	57.7	44.8	73.6	65.4	57.3	44.6	63.7	61.8	55.9	44.1	80
85	55.7	51.4	47.3	40.9	70.6	62.1	54.9	43.5	72.1	63.7	55.9	43.8	70.6	63.4	55.7	43.7	60.7	59.2	54.6	43.3	85
90	52.3	48.8	45.3	39.9	67.3	59.7	52.8	42.6	69.5	61.6	54.1	42.9	67.8	61.5	54.1	42.8	57.7	56.6	53.3	42.5	90
95	49.5	46.2	43.5	38.9	64.7	57.5	50.9	41.7	66.9	59.6	52.4	42	65	59.8	52.7	42	55.3	54.1	52	41.7	95
100	46.9	44.1	41.7	38.2	62.3	55.4	49.4	40.8	64.3	57.6	50.6	41.2	62.2	58.1	51.3	41.3	53.1	51.9	50.5	41.1	100
105	44.2	42.3	40.2	37.7	59.9	53.4	47.8	40.1	62	55.7	49.2	40.5	59.5	56.3	49.9	40.6	50.9	49.9	48.7	40.5	105
110	41.9	40.4	39	37.4	57.5	51.3	46.3	39.4	59.9	54	47.8	39.9	56.7	54.6	48.5	40	48.8	48	46.9	39.9	110
115	40	38.9	37.9	11	55.1	49.4	45	38.8	58	52.3	46.5	39.3	54.1	52.8	47.3	39.5	46.7	46	45.1	39.3	115
120	38.2	37.7	37.6		53	47.9	43.9	38.3	56	50.6	45.2	38.7	51.9	51	46.2	38.9	44.6	44.1	43.3	38.9	120
125					51.1	46.4	42.7	37.8	54	48.8	44.1	38.3	49.8	49.2	45.1	38.5	42.5	42.3	41.7	38.4	125
130					49.2	44.8	41.6	37.5	52.1	47.4	43.1	37.8	47.7	47.4	44.1	38.1	41	40.7	40.2	37.9	130
135					47.3	43.4	40.7	37.2	50.2	46.2	42.2	37.5	45.6	45.6	43	37.7	39.5	39.2	38.8	37.3	135
140					45.4	42.2	39.8		48.5	44.9	41.2	37.2	43.5	43.8	41.9	37.3	38	37.8	37.3	36.6	140
145					43.9	41.1	38.9		46.8	43.6	40.4	37	41.6	42.1	40.8	37.1	36.6	36.3	35.9	35.8	145
150					42.6	40	38.3		45	42.4	39.7	36.8	40	40.5	39.6	36.8	35.2	34.9	34.6	34.8	150
155					41.2	39	37.7		43.3	41.4	39		38.4	38.9	38.5	36.6	33.7	33.6	33.4	33.7	155
160					39.9	38.3	37.2		41.6	40.5	38.3		36.9	37.3	37.2	36.4	32.4	32.5	32.3	32.4	160
165					38.8	37.5			40.1	39.5	37.8		35.3	35.7	35.7		31.3	31.3	31.1	31.2	165
170					37.8				38.5	38.6	37.3		33.8	34.2	34.3		30.1	30.2	29.9	30.2	170
175									36.9	37.3	36.8		32.4	32.8	32.9		29	29	28.9		175
180									35.4	35.9			31.1	31.4	31.5		27.8	27.9	27.8		180
185									34.1	34.5			29.8	30	30.2		26.7	26.9	26.8		185
190									32.8				28.5	28.8	28.9		25.6	25.9	25.8		190
195													27.3	27.6			24.6	24.9	24.9		195
200													26.2	26.4			23.6	23.9	24		200
205													25.2				22.6	22.9	23.1		205
210																	21.5	21.9			210
215																	20.6	21			215
220																	19.8				220
225																	19				225

* adapter - pièce d'adaptateur

maxt_198_203_00401_00_000

Lifting capacities Forces de levage

TNZF 77 ft



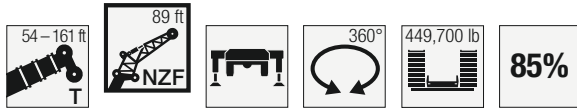
↙	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
17	149.3																				17
18	146																				18
19	142.7																				19
20	139.3																				20
22	132.7																				22
24	126.1				121.2																24
26	120.5				117.9																26
28	116.2				114.6				109.1												28
30	112	92.4			111.3				106.6				98.7								30
32	107.7	89.9			108				104				96.8								32
34	103.5	87.3			104.9				101.5				94.9				86.7				34
36	99.2	84.6			102.4				98.9				93				85.4				36
38	95.3	82			100	81			96.4				91.2				84				38
40	92.3	79.7			97.6	79.4			94.4				89.3				82.8				40
45	85.7	74.6	64.6		91.6	75.4			89.7	74			85	71.1			79.5				45
50	79.2	69.4	60.6		86	71.9	61.9		85	70.7			81.5	68.4			76.3	64.8			50
55	73.1	65.2	57.3		81.6	68.6	59.7		80.4	67.9	58.9		78	65.8			73.5	62.7			55
60	68.6	61.2	54.1		77.5	65.5	57.4		76.8	65.2	56.8		74.5	63.6	55.6		70.7	60.7			60
65	64.4	57.2	51.3	41.3	73.4	62.9	55.3		73.6	62.5	55		71.4	61.4	54		67.9	58.9	52.3		65
70	60.2	54.1	48.8	39.6	69.8	60.4	53.3	40.4	70.3	60.4	53.3		68.9	59.3	52.5		65.1	57.2	50.9		70
75	56	51.5	46.4	38.1	66.8	57.9	51.4	39.2	67.2	58.3	51.7	39.2	66.4	57.4	51.1		62.4	55.5	49.7		75
80	52.6	48.8	44.4	36.6	64.1	55.8	49.5	38.1	64.3	56.2	50.1	38.2	63.8	55.7	49.7	37.9	59.8	53.9	48.6		80
85	50	46.2	42.7	35.4	61.4	53.8	47.9	37.1	62.1	54.3	48.5	37.3	61.4	54	48.3	37.1	57.2	52.4	47.4	36.6	85
90	47.4	44	41	34.2	58.7	51.9	46.4	36.2	59.9	52.6	47	36.4	59.2	52.3	47.1	36.3	54.6	51	46.3	35.8	90
95	44.8	42.2	39.3	33.2	56.1	49.9	44.9	35.3	57.8	51	45.7	35.6	57.4	50.8	45.8	35.5	52.1	49.6	45.3	35.1	95
100	42.4	40.4	37.9	32.4	53.8	48.1	43.5	34.5	55.6	49.4	44.5	34.9	55.6	49.5	44.6	34.8	50	48.1	44.2	34.5	100
105	40.6	38.7	36.7	31.5	51.9	46.5	42.2	33.8	53.5	47.8	43.2	34.1	53.9	48.2	43.6	34.2	48.1	46.6	43.2	33.9	105
110	38.9	37.3	35.6	31	50	45	41.1	33.2	51.6	46.3	42	33.5	52.1	46.9	42.5	33.6	46.2	44.9	42.1	33.4	110
115	37.2	36	34.5	30.6	48.2	43.6	40	32.6	49.9	45	41	32.9	50.3	45.6	41.5	33	44.4	43.2	41.1	32.9	115
120	35.6	34.8	33.8	30.3	46.3	42.1	39	32	48.4	43.8	40.1	32.3	48.6	44.3	40.5	32.5	42.6	41.6	40.1	32.4	120
125	34.4	33.8	33.2	17	44.5	40.8	38.1	31.4	46.9	42.5	39.1	31.8	46.9	43.2	39.6	32	40.8	39.9	39.1	31.9	125
130	33.2	33.2	32.9		43.1	39.8	37.2	31	45.3	41.3	38.2	31.4	45.2	42.2	38.8	31.5	39	38.3	38.1	31.5	130
135	32.7				41.8	38.7	36.4	30.6	43.8	40.1	37.4	31	43.5	41.1	38.1	31.1	37.5	36.8	36.9	31.1	135
140					40.4	37.6	35.6	30.3	42.5	39.2	36.7	30.6	41.8	40.1	37.3	30.8	36.2	35.5	35.6	30.8	140
145					39.1	36.6	35	30	41.3	38.3	36	30.3	40.2	39.1	36.6	30.4	34.9	34.3	34.4	30.5	145
150					37.8	35.8	34.4		40.2	37.4	35.3	30	38.5	38	35.9	30.1	33.6	33.1	33.1	30.2	150
155					36.8	35.1	33.8		39.1	36.5	34.7	29.8	37	36.8	35.3	29.9	32.3	31.8	31.9	29.9	155
160					35.9	34.3	33.4		38	35.6	34.3	29.7	35.6	35.6	34.7	29.7	31.1	30.6	30.8	29.5	160
165					34.9	33.6	33		36.8	35	33.8		34.2	34.4	34	29.5	29.8	29.6	29.8	28.9	165
170					34	33.2	32.7		35.9	34.4	33.3		32.9	33.1	33.1	29.5	28.8	28.6	28.7	28.2	170
175					33.4	32.8			34.9	33.8	33		31.5	31.9	32		27.8	27.6	27.7	27.5	175
180					32.8	32.4			34	33.2	32.8		30.1	30.7	30.9		26.8	26.6	26.6	26.6	180
185					32.3				33.1	32.6	32.6		28.9	29.4	29.8		25.8	25.6	25.7		185
190									32.1	31.8			27.8	28.2	28.6		24.9	24.6	24.8		190
195									31	31.1			26.7	26.9	27.4		23.9	23.7	23.9		195
200									29.9				25.6	25.8	26.2		22.9	22.9	23		200
205													24.5	24.8			22	22.1	22.2		205
210													23.6	23.8			21.1	21.3	21.4		210
215													22.7				20.3	20.4	20.7		215
220													21.9				19.4	19.6			220
225																	18.6	18.8			225
230																	17.8	18			230
235																	17.1				235

* adapter - pièce d'adaptateur

maxt_198_203_00501_00_000

Lifting capacities Forces de levage

TNZF 89 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
18	129.3																				18
19	126.6																				19
20	123.9																				20
22	118.5																				22
24	113.2																				24
26	107.8				103.4																26
28	103.1				100.6				95.3												28
30	99.7				97.8				93												30
32	96.3				95				90.9				85.1								32
34	92.9	78.1			92.3				88.8				83.5								34
36	89.4	75.9			89.6				86.7				81.9				74.4				36
38	86	73.7			87.5				84.5				80.3				73.3				38
40	82.6	71.4			85.5				82.4				78.7				72.1				40
45	76.4	66.5			80.6	66.1			78.4	64.5			74.9				69.3				45
50	71.1	62.4	55.2		75.6	62.8			74.5	61.7			71.7	60.3			66.4				50
55	65.9	58.3	51.8		71.4	60			70.6	59			68.7	58			64.1	55			55
60	61.2	54.9	48.9		68	57.3	49.9		66.9	56.7	49.2		65.7	55.9			61.8	53.3			60
65	57.5	51.6	46.3		64.6	54.8	48.1		64.2	54.5	47.6		62.8	54	46.5		59.7	51.5			65
70	54.1	48.4	43.8		61.1	52.6	46.4		61.5	52.2	46		60.4	52.1	45.1		57.4	50	43.7		70
75	50.8	45.7	41.8	33.7	58.3	50.5	44.7		58.8	50.5	44.6		58.2	50.3	43.8		55.3	48.6	42.5		75
80	47.4	43.5	39.8	32.3	55.8	48.5	43.1	33	56.2	48.7	43.2		56.1	48.7	42.6		53.5	47.2	41.5		80
85	44.3	41.3	37.9	31.1	53.6	46.7	41.5	32	53.8	47	41.9	32	53.9	47.3	41.5	31.7	51.6	45.8	40.5		85
90	42.2	39.2	36.3	29.9	51.4	45	40	31.1	52	45.3	40.6	31.2	51.8	45.8	40.4	31.4	49.8	44.6	39.5	31.3	90
95	40.1	37.1	34.9	28.9	49.3	43.4	38.8	30.3	50.2	44	39.3	30.4	50.1	44.4	39.3	30.9	48	43.5	38.6	30.8	95
100	38	35.5	33.4	27.9	47.1	41.8	37.5	29.5	48.4	42.6	38.2	29.7	48.6	43.1	38.2	30.3	46.2	42.3	37.7	30.2	100
105	35.9	34.1	32	27.1	45.1	40.2	36.3	28.8	46.6	41.3	37.1	29	47.2	42	37.2	29.6	44.5	41.2	36.8	29.6	105
110	34.2	32.6	30.9	26.4	43.5	38.9	35.1	28.1	44.8	40	36	28.4	45.7	40.9	36.3	29	42.9	40	35.9	29	110
115	32.7	31.2	29.9	25.7	41.9	37.6	34.2	27.5	43.1	38.7	35	27.8	44.3	39.8	35.4	28.5	41.3	38.9	35.1	28.5	115
120	31.3	30	28.9	25.1	40.3	36.4	33.3	26.9	41.7	37.5	34	27.2	42.9	38.6	34.5	28	39.7	37.8	34.4	28	120
125	29.9	29.1	28.1	24.8	38.8	35.2	32.4	26.4	40.4	36.5	33.2	26.7	41.5	37.5	33.6	27.5	38.1	36.7	33.6	27.6	125
130	28.7	28.1	27.5	24.4	37.2	34	31.5	26	39.1	35.4	32.4	26.3	40.2	36.6	32.8	27	36.5	35.5	32.9	27.1	130
135	27.7	27.2	26.9	24.4	35.9	33	30.8	25.5	37.8	34.4	31.6	25.8	39.1	35.6	32.1	26.6	34.9	34.4	32.1	26.7	135
140	26.7	26.7	26.5		34.8	32.1	30.1	25.1	36.6	33.3	30.8	25.4	38	34.8	31.4	26.2	33.5	33.3	31.4	26.4	140
145	26.2	26.3			33.7	31.3	29.4	24.8	35.3	32.4	30.2	25.1	37	33.9	30.8	25.9	32.3	32.2	30.6	26	145
150					32.6	30.4	28.7	24.5	34.3	31.6	29.6	24.8	35.9	33	30.1	25.6	31.2	31.1	29.9	25.7	150
155					31.5	29.6	28.2	24.3	33.4	30.9	29	24.5	34.8	32.2	29.5	25.3	30	30	29.1	25.4	155
160					30.5	28.9	27.7	24.1	32.4	30.2	28.4	24.2	33.8	31.4	29	25	28.9	28.9	28.4	25.2	160
165					29.7	28.3	27.2		31.5	29.4	27.9	24	32.6	30.7	28.6	24.8	27.8	27.8	27.6	24.9	165
170					28.9	27.6	26.8		30.6	28.7	27.5	23.9	31.4	30.1	28.1	24.6	26.7	26.7	26.7	24.6	170
175					28.1	27	26.5		29.7	28.2	27.1		30.3	29.4	27.6	24.3	25.6	25.8	25.8	24.4	175
180					27.4	26.6	26.2		29	27.7	26.7		29.1	28.8	27.1	23.7	24.7	25	24.9	24.2	180
185					26.8	26.2			28.4	27.2	26.4		27.9	28	26.7		23.9	24.1	24	24	185
190					26.3	25.9			27.7	26.6	26.2		26.7	27.1	26.2		23	23.2	23.1	23.3	190
195					25.8				27.1	26.3	26		25.6	26.1	25.7		22.2	22.3	22.2	22.5	195
200									26.5	26			24.6	25	25.1		21.3	21.5	21.4		200
205									26.1	25.8			23.6	24	24.2		20.5	20.7	20.6		205
210									25.8				22.6	22.9	23.2		19.7	20	19.8		210
215													21.6	22			18.9	19.2	19.1		215
220													20.8	21.1			18.2	18.5	18.5		220
225													20	20.2			17.5	17.7	17.8		225
230													19.2				16.7	17			230
235																	16	16.4			235
240																	15.4	15.7			240
245																	14.7				245

* adapter - pièce d'adaptateur

maxt_198_203_00601_00_000

Lifting capacities Forces de levage

TNZF 100 ft



↙	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘	
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
19	113.6																				19	
20	111.6																					20
22	107.2																					22
24	102.8																					24
26	98.4				92.1																	26
28	94				89.8																	28
30	90				87.5				82.9													30
32	87.2				85.2				81.1													32
34	84.4				82.8				79.3						73.5							34
36	81.5				80.5				77.5						72.2							36
38	78.7	66.4			78.3				75.7						70.8					64.4		38
40	75.9	64.6			76.4				73.9						69.5					63.4		40
45	69.3	60.1			72.2	59.5			70						66.1					61		45
50	64.7	56.3			68	56.6			66.6	55.4					63.1					58.5		50
55	60.3	52.9	47.2		64	53.9			63.2	53					60.6	51.1				56.3		55
60	56	49.5	44.4		60.8	51.6			59.9	50.7					58	49.2				54.4	46.7	60
65	52.2	46.7	41.9		57.9	49.3	42.4		57.2	48.8	41.8				55.4	47.4				52.4	45.2	65
70	49.2	44.1	39.7		55.1	47.2	40.8		54.8	46.9	40.4				53	45.8	39.4			50.5	43.7	70
75	46.4	41.5	37.5		52.2	45.4	39.4		52.5	45	39.1				51.1	44.2	38.2			48.6	42.4	75
80	43.7	39.2	35.7	29.8	49.9	43.6	38		50.2	43.5	37.9				49.3	42.7	37.1			47	41.2	80
85	40.9	37.2	34	28.6	47.9	41.8	36.7		48.1	42	36.7				47.5	41.3	36.1			45.6	40	85
90	38.3	35.4	32.4	27.4	46	40.3	35.4	28.1	46.1	40.5	35.5	28.1			45.7	40.1	35.1			44.2	38.8	90
95	36.3	33.7	30.9	26.3	44.1	38.9	34	27.3	44.6	39.1	34.4	27.3			43.9	38.8	34.1	27.1		42.8	37.8	95
100	34.5	31.9	29.7	25.3	42.3	37.5	32.9	26.5	43	37.8	33.3	26.5			42.5	37.6	33.2	26.4		41.5	36.8	100
105	32.8	30.2	28.5	24.5	40.4	36.1	31.9	25.8	41.5	36.7	32.3	25.9			41.3	36.5	32.3	25.8		40.1	35.8	105
110	31.1	29	27.3	23.6	38.6	34.8	30.9	25.1	40	35.6	31.4	25.2			40	35.5	31.4	25.2		38.8	34.9	110
115	29.4	27.9	26.2	22.9	37.3	33.6	29.8	24.5	38.5	34.4	30.5	24.7			38.8	34.6	30.6	24.7		37.5	34	115
120	28.1	26.7	25.3	22.3	36	32.4	28.9	23.9	37	33.3	29.6	24.1			37.5	33.6	29.8	24.1		36.3	33.2	120
125	26.9	25.5	24.5	21.7	34.6	31.4	28.1	23.4	35.8	32.2	28.7	23.6			36.3	32.7	29.1	23.7		35.1	32.4	125
130	25.7	24.6	23.7	21.1	33.3	30.3	27.3	22.8	34.7	31.3	27.9	23.1			35.1	31.8	28.3	23.2		33.8	31.7	130
135	24.6	23.8	22.9	20.8	32	29.3	26.5	22.4	33.6	30.4	27.2	22.7			33.9	30.9	27.5	22.8		32.6	30.9	135
140	23.6	23	22.4	20.5	30.8	28.3	25.8	21.9	32.5	29.5	26.6	22.2			33	30.1	26.9	22.4		31.4	30.1	140
145	22.8	22.2	21.9	20.4	29.8	27.5	25.2	21.5	31.4	28.6	25.9	21.8			32.2	29.3	26.3	22		30.2	29.4	145
150	22	21.7	21.4	11	28.9	26.7	24.6	21.2	30.3	27.7	25.2	21.5			31.3	28.5	25.7	21.6		29.1	28.6	150
155	21.4	21.3	21.4		27.9	26	24	20.8	29.3	27	24.7	21.1			30.4	27.8	25.2	21.3		28.1	27.7	155
160					27	25.2	23.4	20.5	28.5	26.3	24.2	20.8			29.5	27	24.6	21		27.1	26.8	160
165					26	24.5	23	20.3	27.7	25.7	23.7	20.6			28.6	26.3	24.1	20.8		26.1	26	165
170					25.2	23.9	22.5	20.1	26.9	25	23.2	20.3			27.8	25.7	23.7	20.5		25.2	25.1	170
175					24.5	23.4	22.1		26.1	24.4	22.8	20.2			27.1	25.2	23.3	20.3		24.2	24.2	175
180					23.8	22.8	21.7		25.3	23.8	22.4	20			26.4	24.6	22.9	20.1		23.2	23.4	180
185					23.2	22.3	21.5		24.5	23.3	22.1				25.7	24.1	22.5	20		22.4	22.6	185
190					22.5	21.9	21.2		23.9	22.9	21.7				25	23.6	22.1	19.9		21.6	21.8	190
195					22	21.5			23.4	22.4	21.4				24.3	23.1	21.9	19.8		20.8	21	195
200					21.5	21.2			22.8	22	21.2				23.6	22.5	21.6			20.1	20.2	200
205					21.1				22.3	21.6	21				22.8	22	21.3			19.3	19.4	205
210									21.7	21.4	20.9				21.9	21.5	21			18.5	18.6	210
215									21.4	21.1					21	21	20.6			17.8	18	215
220									21.1						20.1	20.4	20.3			17.1	17.3	220
225									20.8						19.2	19.6	19.8			16.5	16.7	225
230															18.4	18.8				15.9	16	230
235															17.7	18				15.2	15.3	235
240															17					14.6	14.8	240
245																				14	14.3	245
250																				13.4	13.7	250
255																				12.9		255
260																				12.3		260

* adapter - pièce d'adaptateur

max1_198_203_00701_00_000

Lifting capacities Forces de levage

TNZF 112 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
22	96.3																				22
24	92.7																				24
26	89																				26
28	85.4				79.8																28
30	81.8				77.8																30
32	78.4				75.8				71.9												32
34	76				73.9				70.3				65.1								34
36	73.7				71.9				68.8				63.9								36
38	71.4				70				67.2				62.7								38
40	69.1				68.1				65.7				61.6								40
45	63.3	55.6			64.4				62				58.7								45
50	58.4	51.7			60.9	50.6			59.1				55.9								50
55	54.8	48.7			57.3	48.2			56.3	47			53.6								55
60	51.2	45.8	40.5		54.1	46			53.4	45			51.4	43.5							60
65	47.6	43	38.2		51.6	44			50.6	43.2			49.2	41.9							65
70	44.6	40.6	36.1		49.2	42.1	36.2		48.6	41.6			47	40.4							70
75	42.1	38.4	34.2		46.8	40.2	34.9		46.6	39.9	34.4		45.1	39	33.5						75
80	39.8	36.3	32.3		44.5	38.8	33.7		44.7	38.4	33.3		43.6	37.6	32.5						80
85	37.5	34.2	30.7		42.5	37.3	32.5		42.7	37.1	32.2		42	36.3	31.6						85
90	35.2	32.4	29.3	24.6	40.8	35.8	31.3		40.9	35.8	31.2		40.4	35.1	30.7						90
95	33	30.9	27.9	23.5	39.2	34.4	30.2	23.9	39.3	34.5	30.2		38.9	34.1	29.9						95
100	31.1	29.4	26.5	22.6	37.7	33.2	29.1	23.2	38	33.3	29.3	23.2	37.3	33.1	29						100
105	29.7	27.9	25.4	21.7	36.1	32	28.1	22.5	36.7	32.2	28.3	22.5	36.2	32	28.2	22.3					105
110	28.2	26.4	24.4	20.9	34.5	30.8	27.1	21.8	35.4	31.3	27.4	21.9	35.1	31	27.4	21.8					110
115	26.7	25.2	23.4	20.1	32.9	29.7	26.2	21.2	34	30.3	26.6	21.4	34	30.2	26.6	21.3					115
120	25.3	24.2	22.4	19.4	31.8	28.6	25.3	20.7	32.7	29.3	25.8	20.8	33	29.4	25.9	20.8					120
125	23.9	23.2	21.4	18.8	30.7	27.6	24.4	20.1	31.5	28.4	25	20.3	31.9	28.6	25.2	20.3					125
130	23	22.1	20.7	18.3	29.5	26.7	23.7	19.6	30.4	27.4	24.3	19.8	30.9	27.8	24.5	19.8					130
135	22	21.2	20	17.8	28.4	25.8	23.1	19.1	29.4	26.6	23.5	19.4	29.8	27	23.9	19.4					135
140	21	20.4	19.3	17.3	27.3	24.9	22.4	18.7	28.5	25.8	22.9	18.9	28.8	26.2	23.2	19					140
145	20	19.7	18.7	16.9	26.2	24	21.7	18.3	27.6	25	22.3	18.5	28	25.4	22.6	18.6					145
150	19.2	19	18.2	16.6	25.3	23.2	21.1	17.9	26.6	24.2	21.7	18.2	27.2	24.8	22	18.3					150
155	18.5	18.2	17.8	16.5	24.5	22.6	20.6	17.6	25.7	23.5	21.1	17.8	26.5	24.1	21.5	18					155
160	17.9	17.8	17.4	13.9	23.6	21.9	20.1	17.2	24.8	22.7	20.6	17.5	25.7	23.5	21	17.6					160
165	17.3	17.4	17.3		22.8	21.2	19.6	17	24	22.1	20.1	17.2	24.9	22.8	20.6	17.4					165
170					22	20.6	19.1	16.7	23.3	21.5	19.7	17	24.1	22.2	20.1	17.1					170
175					21.2	20	18.7	16.5	22.7	21	19.3	16.7	23.4	21.6	19.7	16.9					175
180					20.5	19.5	18.3	16.3	22	20.4	18.8	16.5	22.8	21.1	19.3	16.7					180
185					20	19	17.9		21.3	19.9	18.5	16.3	22.2	20.6	18.9	16.5					185
190					19.4	18.6	17.6		20.6	19.4	18.2	16.2	21.6	20.1	18.6	16.3					190
195					18.8	18.1	17.4		19.9	19	17.9	16.1	21	19.7	18.2	16.1					195
200					18.3	17.8	17.1		19.4	18.6	17.6		20.4	19.2	17.9	16					200
205					17.8	17.4	17		19	18.2	17.3		19.9	18.8	17.7	16					205
210					17.4	17.1			18.5	17.8	17.1		19.3	18.4	17.4						210
215					17.1				18.1	17.5	17		18.7	18.1	17.2						215
220									17.6	17.3	16.8		18.2	17.8	17						220
225									17.3	17			17.6	17.5	16.9						225
230									17	16.9			17	17.2	16.8						230
235									16.8				16.4	16.7	16.7						235
240													15.9	16.1							240
245													15.2	15.6							245
250													14.6								250
255																					255
260																					260
265																					265
270																					270

* adapter - pièce d'adaptateur

maxt_198_203_00801_00_000

Lifting capacities Forces de levage

TNZF 123 ft



↙	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘	
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
22	86.7																			22		
24	84																			24		
26	81																			26		
28	78.1																			28		
30	75.1				69.2															30		
32	72.2				67.6				63.9											32		
34	69.3				65.9				62.5											34		
36	67.3				64.3				61.2					57.5						36		
38	65.3				62.7				59.9					56.5						38		
40	63.4				61.1				58.7					55.5				50.3		40		
45	58.6	50.6			57.6				55.4					53				48.5		45		
50	53.9	47.4			54.6				52.7					50.6				46.7		50		
55	50.2	44.3			51.6	43.3			50.3					48.4				44.9		55		
60	47.3	41.8			48.7	41.3			47.9	40.3				46.5	38.7			43.2		60		
65	44.3	39.5	35		46.2	39.5			45.5	38.7				44.6	37.3			41.8	35.3	65		
70	41.3	37.2	33.1		44.2	37.8			43.4	37.2				42.7	35.9			40.3	34.2	70		
75	38.8	35.2	31.3		42.1	36.2	31.2		41.6	35.8				40.9	34.7			38.9	33.1	75		
80	36.7	33.4	29.7		40.1	34.6	30.1		40	34.4	30.5			39.4	33.5			37.5	32	80		
85	34.8	31.5	28.2		38.2	33.4	29		38.3	33	29.5			38.1	32.4	28.8		36.2	31.1	85		
90	32.9	29.7	26.6		36.5	32.1	28		36.7	31.9	28.6			36.7	31.3	28		35	30.2	27.1	90	
95	31	28.2	25.4		35.1	30.8	27		35.1	30.8	27.7			35.4	30.3	27.2		34	29.3	26.4	95	
100	29.1	26.9	24.2	20.5	33.8	29.6	26		33.8	29.7	26.8			34	29.4	26.4		32.9	28.4	25.7	100	
105	27.3	25.6	23	19.6	32.4	28.6	25	20	32.7	28.7	26			32.7	28.5	25.7		31.9	27.6	25.1	105	
110	26	24.3	22	18.8	31.1	27.6	24.1	19.4	31.5	27.7	25.2	19.3		31.8	27.6	25		30.8	26.9	24.5	110	
115	24.8	23.1	21.1	18.1	29.8	26.6	23.3	18.8	30.4	26.9	24.4	18.8		30.8	26.7	24.3	18.6	29.9	26.2	23.8	115	
120	23.6	21.8	20.2	17.4	28.4	25.6	22.5	18.2	29.3	26.1	23.6	18.2		29.9	25.9	23.6	18.2	28.9	25.4	23.2	17.9	120
125	22.3	20.9	19.4	16.8	27.4	24.6	21.7	17.7	28.2	25.3	22.9	17.8		28.9	25.2	22.9	17.7	28.2	24.8	22.6	17.4	125
130	21.1	20	18.5	16.1	26.4	23.7	21	17.2	27.1	24.4	22.2	17.3		28	24.5	22.3	17.3	27.5	24.1	22.1	17.1	130
135	20	19.1	17.7	15.6	25.4	22.9	20.3	16.7	26.1	23.6	21.5	16.9		27.1	23.8	21.7	16.8	26.7	23.5	21.5	16.7	135
140	19.2	18.3	17.1	15.1	24.5	22.2	19.7	16.3	25.3	22.8	20.8	16.5		26.2	23.1	21.1	16.4	26	22.9	20.9	16.3	140
145	18.4	17.5	16.5	14.7	23.5	21.4	19.1	15.9	24.5	22.1	20.2	16.1		25.3	22.4	20.5	16.1	25.3	22.3	20.4	16	145
150	17.5	16.8	15.9	14.2	22.6	20.6	18.5	15.5	23.7	21.5	19.6	15.7		24.5	21.8	19.9	15.7	24.5	21.8	19.9	15.7	150
155	16.7	16.2	15.4	13.9	21.6	19.9	17.9	15.1	22.8	20.8	19.1	15.4		23.8	21.1	19.4	15.4	23.8	21.2	19.4	15.4	155
160	16	15.6	15	13.7	20.9	19.2	17.4	14.8	22	20.1	18.6	15		23.2	20.6	18.9	15.1	23.1	20.6	18.9	15.1	160
165	15.4	15.1	14.6	13.5	20.2	18.7	17	14.5	21.2	19.5	18	14.7		22.5	20	18.5	14.8	22.4	20.1	18.5	14.8	165
170	14.8	14.6	14.2	13.5	19.5	18.1	16.5	14.2	20.5	18.9	17.5	14.5		21.8	19.4	18	14.6	21.7	19.6	18.1	14.5	170
175	14.3	14.3	14.1		18.8	17.6	16.1	14	19.9	18.3	17.1	14.2		21.2	18.9	17.5	14.3	21	19.1	17.7	14.3	175
180	14	14.1			18.2	17	15.7	13.7	19.3	17.8	16.8	14		20.5	18.3	17.1	14.1	20.3	18.6	17.3	14.1	180
185					17.5	16.4	15.3	13.5	18.7	17.4	16.4	13.8		19.8	17.8	16.7	13.9	19.6	18.2	16.9	13.9	185
190					16.9	16	15	13.4	18.1	16.9	16	13.5		19.3	17.4	16.4	13.6	18.9	17.7	16.6	13.7	190
195					16.4	15.6	14.7		17.5	16.4	15.7	13.4		18.8	17	16.1	13.5	18.2	17.2	16.2	13.5	195
200					15.9	15.3	14.4		16.9	16	15.4	13.2		18.3	16.6	15.7	13.4	17.6	16.7	16	13.4	200
205					15.4	14.9	14.2		16.4	15.6	15.1	13.2		17.8	16.2	15.4	13.2	16.9	16.2	15.7	13.3	205
210					15	14.5	14		16	15.3	14.8			17.3	15.8	15.1	13.1	16.3	15.7	15.4	13.1	210
215					14.6	14.3	13.8		15.6	14.9	14.6			16.7	15.4	14.9	13	15.7	15.3	15.1	13.1	215
220					14.3	14			15.2	14.6	14.4			16.3	15.1	14.7		15.1	14.8	14.9	13	220
225					14	13.8			14.8	14.3	14.2			15.9	14.8	14.5		14.5	14.3	14.5	12.9	225
230					13.7				14.4	14.1	14			15.5	14.6	14.3		13.9	13.8	14		230
235									14.1	13.9				15.2	14.3	14.1		13.3	13.3	13.5		235
240									13.9	13.7				14.8	14	14		12.7	12.7	13		240
245									13.6					14.5	13.9	13.9		12.2	12.2	12.5		245
250														14.1	13.7			11.7	11.7	12		250
255														13.6	13.6			11.2	11.2	11.5		255
260														13				10.7	10.7	11		260
265														12.5				10.2	10.3			265
270																		9.8	9.9			270
275																		9.4	9.5			275
280																		9.1				280

* adapter - pièce d'adaptateur

maxt_198_203_00901_00_000

Lifting capacities Forces de levage

TNZF 135 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)			
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°				
24	76																				24			
26	73.5																				26			
28	71																				28			
30	68.5				62.3																30			
32	66.1				61																32			
34	63.6				59.7				56.7												34			
36	61.2				58.4				55.6												36			
38	59.4				57				54.5						50.5						38			
40	57.7				55.7				53.4						49.6						40			
45	53.7				52.5				50.6						47.4					43.2	45			
50	49.6	43.4			49.9				48						45.3					41.6	50			
55	45.8	40.7			47.3				45.8						43.3					40	55			
60	43.1	38.2			44.7	37.2			43.7	36.2					41.6					38.4	60			
65	40.6	36.1			42.3	35.5			41.7	34.7					39.9	33.2				37.1	65			
70	38.1	34.1	31.1		40.3	33.9			39.6	33.2					38.3	32				35.9	31	70		
75	35.5	32.2	29.5		38.6	32.6			37.9	32					36.6	30.9				34.6	30.1	75		
80	33.4	30.4	28		36.8	31.2	27.7		36.4	30.7					35.1	29.8				33.4	29.2	80		
85	31.7	28.9	26.5		35	29.8	26.7		35	29.5	26.3				33.9	28.8				32.1	28.3	85		
90	30	27.3	25.1		33.4	28.8	25.7		33.5	28.4	25.4				32.7	27.8	24.8			31.1	27.5	90		
95	28.4	25.8	23.7		31.9	27.7	24.8		32.1	27.4	24.6				31.5	26.8	24			30.1	26.7	23.1	95	
100	26.8	24.4	22.5		30.7	26.6	23.9		30.7	26.5	23.8				30.4	25.9	23.3			29.2	25.9	22.5	100	
105	25.2	23.2	21.5	17.6	29.6	25.5	23		29.6	25.6	23				29.2	25.2	22.7			28.3	25.1	21.9	105	
110	23.6	22.1	20.5	16.8	28.4	24.6	22.2		28.6	24.7	22.3				28.1	24.4	22			27.4	24.4	21.4	110	
115	22.4	21	19.4	16.1	27.3	23.7	21.3	16.4	27.6	23.8	21.5				27.2	23.6	21.4			26.4	23.7	20.8	115	
120	21.4	19.9	18.5	15.4	26.1	22.9	20.5	15.9	26.6	23	20.8	15.9			26.4	22.8	20.7	15.7		25.6	23.1	20.3	120	
125	20.3	18.8	17.8	14.8	24.9	22	19.8	15.4	25.7	22.3	20.1	15.4			25.6	22.2	20.1	15.2		24.8	22.4	19.8	15	125
130	19.2	17.8	17	14.2	24	21.1	19.1	14.9	24.7	21.6	19.5	14.9			24.8	21.5	19.5	14.8		24.2	21.8	19.2	14.6	130
135	18.2	17.1	16.3	13.6	23.1	20.3	18.5	14.4	23.7	20.9	18.9	14.5			24	20.9	18.9	14.4		23.5	21.2	18.7	14.2	135
140	17.2	16.4	15.5	13.1	22.2	19.6	17.8	14	22.9	20.1	18.3	14.1			23.2	20.3	18.4	14		22.9	20.7	18.2	13.9	140
145	16.4	15.6	14.9	12.6	21.4	18.9	17.2	13.6	22.1	19.4	17.7	13.7			22.4	19.7	17.8	13.7		22.2	20.2	17.7	13.6	145
150	15.6	14.9	14.3	12.2	20.6	18.2	16.6	13.2	21.3	18.8	17.1	13.4			21.6	19	17.3	13.3		21.6	19.6	17.3	13.2	150
155	14.9	14.2	13.8	11.8	19.7	17.5	16.1	12.8	20.6	18.2	16.5	13			20.9	18.4	16.8	13		20.9	19.1	16.8	12.9	155
160	14.2	13.6	13.2	11.4	18.9	16.9	15.6	12.5	19.9	17.6	16.1	12.7			20.3	17.9	16.3	12.7		20.3	18.6	16.4	12.7	160
165	13.5	13.1	12.7	11.1	18.2	16.2	15.1	12.2	19.2	17	15.6	12.4			19.7	17.4	15.8	12.4		19.7	18.1	15.9	12.4	165
170	12.9	12.6	12.3	10.9	17.5	15.7	14.6	11.9	18.5	16.4	15.1	12.1			19.1	16.9	15.5	12.2		19.1	17.6	15.5	12.1	170
175	12.4	12.1	12	10.7	16.9	15.2	14.2	11.6	17.8	15.8	14.7	11.8			18.5	16.4	15	11.9		18.6	17.1	15.1	11.9	175
180	11.9	11.7	11.7	10.6	16.3	14.7	13.8	11.4	17.2	15.3	14.3	11.6			17.9	15.9	14.6	11.7		18	16.7	14.7	11.7	180
185	11.5	11.4	11.5		15.7	14.2	13.4	11.1	16.7	14.9	13.9	11.4			17.3	15.4	14.3	11.5		17.5	16.3	14.4	11.5	185
190	11.2	11.2	11.5		15.1	13.7	13	10.9	16.1	14.5	13.6	11.1			16.7	14.9	13.9	11.3		17	15.8	14.1	11.2	190
195					14.5	13.3	12.7	10.8	15.6	14	13.2	10.9			16.2	14.5	13.6	11.1		16.4	15.4	13.7	11	195
200					14	12.9	12.4	10.6	15.1	13.6	12.9	10.8			15.7	14.1	13.3	10.9		15.9	15	13.4	10.9	200
205					13.6	12.6	12.1	10.5	14.6	13.2	12.6	10.6			15.3	13.8	13	10.7		15.4	14.5	13.1	10.7	205
210					13.1	12.2	11.8		14	12.8	12.3	10.5			14.9	13.4	12.7	10.6		14.9	14.1	12.8	10.6	210
215					12.7	11.9	11.6		13.6	12.5	12.1	10.4			14.4	13	12.4	10.4		14.3	13.7	12.6	10.5	215
220					12.3	11.6	11.4		13.2	12.2	11.8				14	12.7	12.1	10.3		13.7	13.4	12.4	10.4	220
225					11.9	11.4	11.2		12.8	11.9	11.6				13.5	12.4	12	10.3		13.2	13	12.1	10.3	225
230					11.6	11.1			12.5	11.6	11.4				13.1	12.1	11.8			12.6	12.6	11.9	10.2	230
235					11.3	11			12.1	11.4	11.3				12.7	11.9	11.6			12.1	12.2	11.6	10.1	235
240					11				11.7	11.2	11.1				12.5	11.6	11.4			11.5	11.8	11.3	10.1	240
245									11.5	11					12.2	11.4	11.2			11	11.4	10.9		245
250									11.2	10.9					11.8	11.2	11.1			10.5	10.9	10.6		250
255									11						11.6	11	11			10.1	10.5	10.3		255
260															11.3	10.9				9.7	10	9.9		260
265															11	10.7				9.3	9.5	9.5		265
270															10.7	10.7				8.9	9.1	9.1		270
275															10.5					8.5	8.7			275
280																				8.1	8.4			280
285																				7.8	8.1			285
290																				7.5				290

* adapter - pièce d'adaptateur

maxt_198_203_01001_00_000

Lifting capacities Forces de levage

TNZF 146 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)			
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°				
26	66.8																				26			
28	64.7																				28			
30	62.6																				30			
32	60.6				55.5																32			
34	58.5				54.3																34			
36	56.4				53.1				50.1												36			
38	54.5				51.9				49.2												38			
40	52.9				50.7				48.2						44.6						40			
45	49.4				47.7				45.8						42.7					38.8	45			
50	46				45.2				43.3						40.9					37.4	50			
55	42.5	37.6			43				41.4						39.1					36	55			
60	39.5	35.3			40.7	33.8			39.6						37.4					34.6	60			
65	37.3	33.2			38.5	32.3			37.8	31.3					36					33.3	65			
70	35.2	31.5			36.5	30.8			36	30.2					34.6	29.7				32.2	70			
75	33.1	29.8			35	29.5			34.3	29.4					33.1	28.7				31.1	27.1	75		
80	30.9	28.1	25.9		33.4	28.3			32.9	28.4					31.7	27.7				30	26.3	80		
85	29.1	26.6	24.5		31.9	27.1	24.1		31.6	27.4					30.5	26.7				28.9	25.4	85		
90	27.6	25.3	23.2		30.4	25.9	23.2		30.4	26.3	22.8				29.4	25.8				27.8	24.6	90		
95	26.2	23.9	22.1		29	25	22.4		29.1	25.3	22				28.4	24.9	21.5			26.9	23.9	95		
100	24.8	22.6	20.9		27.7	24	21.6		27.8	24.4	21.3				27.4	24	20.8			26.1	23.1	20.1	100	
105	23.5	21.4	19.7		26.7	23.1	20.8		26.6	23.6	20.6				26.3	23.3	20.2			25.3	22.4	19.5	105	
110	22.1	20.3	18.8		25.7	22.1	20.1		25.7	22.8	20				25.3	22.6	19.6			24.5	21.7	19	110	
115	20.7	19.3	17.9	14.6	24.7	21.3	19.3		24.8	22	19.3				24.4	21.9	19			23.7	21.1	18.5	115	
120	19.6	18.4	17	14	23.7	20.6	18.5		24	21.2	18.7				23.6	21.2	18.4			22.9	20.5	18	120	
125	18.6	17.4	16.1	13.4	22.7	19.8	17.8	13.6	23.1	20.5	18	13.6			22.9	20.5	17.9			22.1	20	17.5	125	
130	17.7	16.5	15.4	12.8	21.7	19.1	17.2	13.2	22.3	19.9	17.4	13.1			22.2	19.8	17.3	13		21.4	19.4	17	130	
135	16.8	15.5	14.7	12.2	20.8	18.3	16.5	12.7	21.4	19.2	16.8	12.7			21.5	19.2	16.8	12.6		20.9	18.8	16.5	12.4	135
140	15.9	14.7	14.1	11.7	20	17.6	15.9	12.3	20.6	18.6	16.3	12.3			20.8	18.7	16.3	12.2		20.3	18.3	16.1	12	140
145	14.9	14.1	13.4	11.2	19.3	16.9	15.3	11.9	19.8	17.9	15.7	11.9			20.1	18.1	15.8	11.9		19.7	17.8	15.6	11.7	145
150	14.1	13.5	12.8	10.8	18.6	16.3	14.7	11.5	19.1	17.3	15.2	11.6			19.4	17.6	15.3	11.6		19.1	17.3	15.1	11.4	150
155	13.4	12.8	12.2	10.4	17.8	15.7	14.2	11.2	18.4	16.6	14.6	11.3			18.7	17	14.8	11.2		18.6	16.9	14.7	11.1	155
160	12.8	12.2	11.7	10	17.1	15.1	13.8	10.8	17.8	16.1	14.2	11			18	16.5	14.4	10.9		18	16.4	14.3	10.8	160
165	12.2	11.6	11.3	9.7	16.4	14.5	13.3	10.5	17.2	15.6	13.7	10.6			17.5	16	13.9	10.7		17.4	15.9	13.9	10.5	165
170	11.6	11.1	10.8	9.4	15.7	13.9	12.9	10.2	16.5	15.1	13.3	10.4			16.9	15.5	13.5	10.4		16.9	15.5	13.5	10.3	170
175	11	10.7	10.4	9.1	15.1	13.3	12.4	9.9	15.9	14.5	12.9	10.1			16.4	15	13.1	10.1		16.4	15	13.1	10.1	175
180	10.5	10.3	10	9	14.5	12.9	12	9.7	15.3	14	12.5	9.8			15.9	14.5	12.7	9.9		15.9	14.6	12.8	9.9	180
185	10.1	9.9	9.8	8.8	14	12.5	11.7	9.5	14.7	13.5	12.1	9.6			15.4	14.1	12.4	9.7		15.4	14.2	12.4	9.7	185
190	9.7	9.5	9.5	8.8	13.4	12	11.3	9.3	14.2	13.1	11.7	9.4			14.8	13.6	12	9.5		15	13.8	12.1	9.5	190
195	9.3	9.3	9.3	8.8	12.9	11.6	10.9	9.1	13.7	12.7	11.4	9.3			14.3	13.2	11.7	9.3		14.6	13.4	11.8	9.4	195
200	9.1	9.1	9.3		12.4	11.2	10.6	9	13.3	12.3	11.1	9.1			13.8	12.7	11.4	9.2		14.1	13	11.5	9.2	200
205					11.8	10.8	10.3	8.8	12.8	11.9	10.8	9			13.4	12.4	11.1	9		13.7	12.6	11.2	9.1	205
210					11.4	10.5	10.1	8.7	12.4	11.5	10.5	8.8			13	12	10.8	8.9		13.2	12.3	11	8.9	210
215					11.1	10.2	9.8	8.6	11.9	11.2	10.2	8.7			12.6	11.7	10.6	8.8		12.8	11.9	10.7	8.8	215
220					10.7	9.9	9.6		11.4	10.8	10	8.6			12.2	11.4	10.3	8.7		12.4	11.6	10.5	8.7	220
225					10.3	9.6	9.4		11.1	10.5	9.8	8.5			11.8	11.1	10	8.6		11.9	11.3	10.3	8.6	225
230					9.9	9.4	9.3		10.7	10.3	9.6				11.4	10.7	9.8	8.5		11.5	11.1	10.1	8.5	230
235					9.6	9.2	9.1		10.4	10	9.4				11	10.4	9.7	8.4		11.1	10.8	9.9	8.5	235
240					9.4	9.1			10.1	9.8	9.2				10.6	10.2	9.5	8.4		10.7	10.5	9.7	8.4	240
245					9.2	8.9			9.8	9.5	9.1				10.4	10	9.4			10.3	10.3	9.5	8.3	245
250					9				9.5	9.4	9				10.1	9.8	9.2			9.9	10	9.3	8.3	250
255									9.3	9.2	9				9.9	9.6	9.1			9.4	9.7	9.2		255
260									9.1	9.1					9.6	9.4	9			9.1	9.3	9		260
265									9						9.4	9.2	9			8.7	9	8.9		265
270									8.8						9.1	9.1	8.9			8.4	8.7	8.7		270
275															9	9				8	8.3	8.4		275
280															8.9	8.9				7.7	8	8.1		280
285															8.8					7.3	7.7	7.7		285
290																				7	7.4			290
295																				6.7	7			295
300																				6.4				300
305																				6.1				305

* adapter - pièce d'adaptateur

maxt_198_203_01101_00_000

Lifting capacities Forces de levage

TNZF 157 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
28	59.6																				28
30	57.8																				30
32	56.1																				32
34	54.3				48.9																34
36	52.5				47.9																36
38	50.7				46.8				44.2												38
40	49				45.8				43.3						40						40
45	45.7				43.2				41.2					38.3					34.6		45
50	42.8				40.7				39.1					36.7					33.4		50
55	39.9				38.8				37.2					35					32.1		55
60	36.9	32.5			36.9				35.6					33.5					30.9		60
65	34.6	30.5			35	30			34.1					32.2					29.7		65
70	32.8	28.7			33.1	28.7			32.5	27.9				31					28.7		70
75	30.9	27.3			31.5	27.4			30.9	26.8				29.7	25.7				27.7		75
80	29.1	25.8			30.2	26.3			29.5	25.7				28.5	24.7				26.7	23.3	80
85	27.2	24.4	22.4		28.9	25.2			28.4	24.7				27.2	23.8				25.8	22.6	85
90	25.6	23	21.3		27.5	24.1	20.8		27.2	23.8				26.2	23				24.8	21.8	90
95	24.3	21.9	20.1		26.2	23.1	20		26.1	22.8	19.6			25.3	22.2				23.9	21.1	95
100	23.1	20.7	19.1		25	22.3	19.2		25	21.9	18.9			24.4	21.4	18.4			23.1	20.5	100
105	21.9	19.6	18.1		23.9	21.4	18.6		23.9	21.2	18.3			23.5	20.6	17.8			22.4	19.8	105
110	20.7	18.5	17		23	20.6	17.9		22.8	20.4	17.7			22.6	19.9	17.2			21.7	19.2	110
115	19.5	17.4	16.2		22.1	19.7	17.2		22	19.7	17.1			21.7	19.3	16.7			21	18.6	115
120	18.3	16.6	15.4		21.3	18.9	16.5		21.3	19	16.5			20.9	18.7	16.2			20.2	18	120
125	17.2	15.8	14.6	11.8	20.4	18.3	15.8		20.6	18.2	15.9			20.2	18.1	15.7			19.5	17.5	125
130	16.3	14.9	13.8	11.3	19.5	17.6	15.2	11.4	19.8	17.6	15.3			19.6	17.5	15.2			18.9	17	130
135	15.5	14.1	13.1	10.7	18.6	16.9	14.5	10.9	19.1	17.1	14.8	10.9		18.9	16.9	14.7			18.2	16.5	135
140	14.7	13.3	12.5	10.2	17.8	16.2	14	10.5	18.3	16.5	14.2	10.5		18.3	16.4	14.2	10.4		17.7	16	140
145	13.9	12.4	11.9	9.7	17.1	15.5	13.5	10.2	17.6	15.9	13.7	10.2		17.7	15.9	13.7	10.1		17.2	15.5	145
150	13.1	11.9	11.3	9.3	16.4	14.9	12.9	9.8	16.9	15.3	13.2	9.8		17.1	15.4	13.3	9.8		16.7	15.1	150
155	12.3	11.4	10.8	9	15.8	14.3	12.4	9.5	16.2	14.7	12.7	9.5		16.5	14.9	12.8	9.5		16.2	14.6	155
160	11.6	10.8	10.2	8.7	15.1	13.8	11.9	9.2	15.6	14.2	12.3	9.3		15.8	14.4	12.4	9.2		15.7	14.2	160
165	11.1	10.3	9.7	8.4	14.5	13.2	11.5	9	15.1	13.7	11.8	9		15.2	13.9	12	9		15.2	13.8	165
170	10.6	9.8	9.4	8.1	13.9	12.7	11.1	8.7	14.5	13.2	11.4	8.8		14.7	13.4	11.6	8.8		14.7	13.4	170
175	10	9.2	9.1	7.8	13.2	12.1	10.6	8.5	14	12.7	11	8.6		14.3	13	11.2	8.6		14.2	13	175
180	9.5	8.9	8.7	7.6	12.7	11.6	10.2	8.3	13.4	12.3	10.7	8.3		13.8	12.5	10.8	8.4		13.7	12.6	180
185	9	8.6	8.4	7.4	12.2	11.2	9.9	8	12.9	11.8	10.3	8.2		13.3	12.1	10.5	8.2		13.3	12.2	185
190	8.6	8.3	8.1	7.2	11.7	10.8	9.6	7.9	12.3	11.3	10	8		12.8	11.7	10.2	8		12.9	11.8	190
195	8.3	8	7.9	7.1	11.2	10.4	9.3	7.7	11.8	10.9	9.6	7.8		12.4	11.3	9.9	7.9		12.5	11.5	195
200	8	7.7	7.7	7	10.8	10.1	9	7.5	11.4	10.6	9.4	7.6		11.9	10.9	9.6	7.7		12.1	11.1	200
205	7.7	7.5	7.5	7	10.3	9.7	8.8	7.3	11.1	10.2	9.1	7.5		11.4	10.5	9.3	7.5		11.7	10.8	205
210	7.4	7.3	7.4		9.8	9.3	8.5	7.2	10.7	9.9	8.9	7.3		11	10.1	9.1	7.4		11.3	10.5	210
215	7.3				9.4	9	8.3	7.1	10.3	9.6	8.7	7.2		10.7	9.9	8.9	7.3		10.9	10.1	215
220					9.1	8.8	8.1	7	9.9	9.3	8.5	7.1		10.4	9.6	8.7	7.2		10.5	9.8	220
225					8.8	8.5	8	6.9	9.5	9	8.3	7		10.1	9.4	8.5	7.1		10.1	9.5	225
230					8.6	8.3	7.8		9.1	8.7	8.1	6.9		9.7	9.1	8.3	7		9.8	9.3	230
235					8.3	8.1	7.6		8.8	8.5	7.9	6.8		9.4	8.9	8.1	6.9		9.5	9.1	235
240					8.1	7.8	7.5		8.6	8.3	7.8	6.8		9.1	8.6	7.9	6.8		9.2	8.9	240
245					7.8	7.7	7.4		8.4	8.1	7.6			8.8	8.4	7.8	6.7		8.8	8.7	245
250					7.6	7.5	7.3		8.1	7.9	7.4			8.5	8.2	7.7	6.7		8.5	8.5	250
255					7.4	7.4			7.9	7.7	7.4			8.3	8.1	7.6			8.2	8.3	255
260					7.2				7.7	7.6	7.3			8.1	7.9	7.4			7.9	8.1	260
265									7.5	7.4	7.2			7.9	7.7	7.3			7.6	7.8	265
270									7.3	7.3				7.7	7.6	7.2			7.2	7.5	270
275									7.2	7.2				7.6	7.4	7.2			6.9	7.2	275
280									7.1					7.4	7.3	7.1			6.6	6.9	280
285														7.2	7.2				6.2	6.6	285
290														7.1	7.1				5.9	6.3	290
295														7					5.6	6	295
300																			5.3	5.7	300
305																			5	5.4	305
310																			4.7		310
315																			4.4		315

* adapter - pièce d'adaptateur

maxt_198_203_01201_00_000

Lifting capacities Forces de levage

TNZF 169 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
28	54																				28
30	52.5																				30
32	51																				32
34	49.6																				34
36	48.1				43.2																36
38	46.6				42.3			39.9													38
40	45.2				41.4			39.1													40
45	41.9				39.2			37.3													45
50	39.4				37			35.5													50
55	36.9				35.2			33.7													55
60	34.4	30.8			33.6			32.3													60
65	32	29.2			32			30.9													65
70	30.3	27.5			30.3	26.3		29.5													70
75	28.7	25.9			28.7	25.1		28.2	24.4												75
80	27.1	24.7			27.5	24		26.8	23.4												80
85	25.5	23.4			26.3	23		25.7	22.5												85
90	24	22.1	19.8		25.2	22.1		24.7	21.6												90
95	22.5	20.9	18.8		24	21.2		23.8	20.8												95
100	21.4	19.9	17.8		22.9	20.3	17.5	22.8	20	17.2											100
105	20.4	18.8	16.8		21.8	19.5	16.9	21.8	19.2	16.6											105
110	19.3	17.8	15.9		20.9	18.8	16.3	20.9	18.5	16											110
115	18.3	16.8	15		20.1	18	15.7	19.9	17.9	15.5											115
120	17.2	15.9	14.2		19.4	17.3	15.1	19.3	17.3	14.9											120
125	16.2	15.1	13.5		18.6	16.6	14.5	18.6	16.6	14.4											125
130	15.1	14.4	12.8	10.3	17.8	16	13.9	18	16	13.9											130
135	14.3	13.6	12.1	9.9	17.1	15.4	13.3	17.3	15.4	13.4											135
140	13.6	12.9	11.4	9.4	16.3	14.8	12.7	16.7	14.9	12.8											140
145	12.9	12.1	10.8	9	15.6	14.2	12.2	16	14.4	12.3											145
150	12.2	11.4	10.4	8.6	14.9	13.6	11.7	15.3	13.9	11.9	8.9										150
155	11.5	10.8	10	8.3	14.3	13	11.2	14.7	13.4	11.4	8.6										155
160	10.8	10.3	9.5	8	13.7	12.4	10.7	14.1	12.8	11	8.4										160
165	10.1	9.8	9.1	7.7	13.2	12	10.3	13.6	12.3	10.6	8.1										165
170	9.6	9.4	8.6	7.4	12.6	11.5	9.9	13.1	11.9	10.2	7.9										170
175	9.2	9	8.3	7.1	12	11	9.6	12.6	11.4	9.8	7.7										175
180	8.8	8.5	8	6.9	11.5	10.5	9.2	12.1	11	9.5	7.4										180
185	8.4	8.1	7.7	6.7	10.9	10.1	8.9	11.6	10.7	9.2	7.2										185
190	8	7.8	7.4	6.5	10.5	9.6	8.6	11.1	10.2	8.9	7.1										190
195	7.6	7.5	7.1	6.2	10.1	9.3	8.3	10.6	9.8	8.6	6.9										195
200	7.3	7.2	6.8	6.1	9.7	9	8.1	10.2	9.5	8.4	6.7										200
205	7	7	6.6	5.9	9.4	8.7	7.9	9.8	9.1	8.1	6.6										205
210	6.7	6.7	6.5	5.8	9	8.4	7.7	9.5	8.8	7.9	6.4										210
215	6.5	6.5	6.3	5.8	8.7	8.2	7.4	9.2	8.6	7.7	6.3										215
220	6.2	6.3	6.2		8.3	7.9	7.2	8.9	8.3	7.5	6.2										220
225	6.1	6.2			8	7.6	7.1	8.6	8.1	7.3	6										225
230					7.7	7.4	6.9	8.3	7.8	7.1	5.9										230
235					7.5	7.2	6.7	8	7.6	7	5.8										235
240					7.2	7	6.5	7.7	7.4	6.8	5.7										240
245					7	6.8	6.4	7.4	7.2	6.7	5.7										245
250					6.8	6.6	6.3	7.2	7	6.5	5.6										250
255					6.5	6.4	6.2	7	6.8	6.4											255
260					6.3	6.3	6	6.8	6.7	6.2											260
265					6.2	6.1		6.6	6.5	6.2											265
270					6	6		6.4	6.3	6.1											270
275					5.9			6.2	6.2	6											275
280								6.1	6.1												280
285								6	6												285
290								5.8													290
295																					295
300																					300
305																					305
310																					310
315																					315
320																					320
325																					325

* adapter - pièce d'adaptateur

maxt_198_203_01301_00_000

Lifting capacities Forces de levage

TNZF 180 ft



Height (ft)	54 ft + 9 ft*				107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
30	47.8																				30
32	46.5																				32
34	45.3																				34
36	44																				36
38	42.8				38.2																38
40	41.5				37.4				35.1												40
45	38.5				35.5				33.6				30.8								45
50	36				33.6				32				29.8						27.6		50
55	33.9				31.8				30.5				28.9						26.7		55
60	31.7				30.3				29.1				27.9						25.7		60
65	29.6	26.7			28.9				27.8				26.9						24.7		65
70	27.6	25.2			27.5				26.6				25.9						23.8		70
75	26.2	23.8			26	22.7			25.4	21.9			25						23		75
80	24.8	22.4			24.7	21.7			24.2	21			24	20					22.2		80
85	23.4	21.3			23.7	20.7			23.1	20.2			23	19.3					21.5	18	85
90	22	20.2			22.7	19.9			22.1	19.4			22	18.6					20.7	17.4	90
95	20.7	19.1	17.1		21.7	19			21.3	18.6			21.2	17.8					19.9	16.8	95
100	19.4	18.1	16.2		20.7	18.2			20.4	17.9			20.4	17.2					19.2	16.2	100
105	18.4	17.2	15.3		19.7	17.4	15		19.5	17.2			19.7	16.6					18.5	15.7	105
110	17.5	16.3	14.5		18.7	16.7	14.4		18.7	16.5	14.1		19	16					17.9	15.2	110
115	16.6	15.4	13.7		17.9	16.1	13.8		17.8	15.9	13.6		18.3	15.4	13.1				17.4	14.7	115
120	15.7	14.5	12.9		17.3	15.4	13.3		17	15.3	13.1		17.5	14.8	12.7				16.8	14.2	120
125	14.8	13.6	12.1		16.6	14.8	12.8		16.4	14.7	12.6		16.8	14.3	12.3				16.2	13.7	125
130	13.9	12.9	11.5		15.9	14.1	12.2		15.8	14.1	12.2		16.2	13.9	11.9				15.6	13.3	130
135	13	12.3	10.9		15.2	13.6	11.7		15.3	13.6	11.7		15.6	13.4	11.4				15.1	12.9	135
140	12.2	11.7	10.3	8.4	14.5	13	11.2		14.7	13	11.2		15.1	12.9	11				14.5	12.5	140
145	11.6	11	9.7	8	13.9	12.5	10.6		14.1	12.6	10.8		14.6	12.4	10.7				14	12.1	145
150	11	10.4	9.2	7.6	13.2	12	10.2	7.7	13.5	12.1	10.3		14.1	12	10.3				13.6	11.6	150
155	10.4	9.8	8.7	7.3	12.6	11.4	9.8	7.5	13	11.7	9.8	7.4	13.6	11.6	9.9				13.2	11.3	155
160	9.9	9.1	8.4	7	12.1	10.9	9.4	7.1	12.4	11.2	9.5	7.1	13.1	11.2	9.5	7			12.8	10.9	160
165	9.3	8.7	8	6.6	11.6	10.4	9.1	6.8	11.9	10.7	9.2	6.8	12.6	10.8	9.2	6.7			12.4	10.6	165
170	8.7	8.3	7.7	6.4	11.1	10	8.7	6.6	11.4	10.3	8.9	6.6	12.1	10.5	8.9	6.5			12	10.3	170
175	8.2	7.9	7.3	6.1	10.6	9.6	8.3	6.3	11	9.8	8.6	6.3	11.7	10.1	8.6	6.3			11.6	10	175
180	7.8	7.6	6.9		10.1	9.3	8	6	10.6	9.5	8.3	6.1	11.2	9.7	8.4	6			11.2	9.6	180
185	7.4	7.2	6.7		9.7	8.9	7.8	5.8	10.2	9.2	8	5.9	10.9	9.4	8.1	5.8			10.8	9.3	185
190	7.1	6.9	6.4		9.2	8.5	7.5	5.5	9.8	8.9	7.7	5.7	10.5	9	7.8	5.6			10.4	9	190
195	6.7	6.5	6.1		8.8	8.2	7.2	5.3	9.4	8.6	7.5	5.5	10.1	8.7	7.6	5.4			10	8.7	195
200	6.4	6.3	5.9		8.4	7.8	7	5.1	9	8.3	7.2	5.3	9.8	8.5	7.3	5.3			9.7	8.4	200
205		6	5.6		8.1	7.6	6.7	4.9	8.6	7.9	7	5.1	9.5	8.2	7.1	5.1			9.4	8.2	205
210		5.7			7.8	7.3	6.5	4.7	8.2	7.6	6.8	4.9	9.1	7.9	6.9	4.9			9.1	7.9	210
215		5.5			7.5	7.1	6.3	4.5	7.9	7.4	6.5	4.7	8.8	7.7	6.7	4.8			8.8	7.7	215
220					7.2	6.8	6.1	4.4	7.7	7.1	6.3	4.6	8.4	7.4	6.5	4.6			8.5	7.5	220
225					6.9	6.6	5.9	4.2	7.4	6.9	6.2	4.4	8.1	7.1	6.3	4.5			8.2	7.2	225
230					6.6	6.3	5.7	4.1	7.1	6.7	6	4.3	7.8	6.9	6.1	4.3			8	7	230
235					6.3	6.1	5.5	4	6.9	6.5	5.8	4.1	7.6	6.7	6	4.2			7.7	6.8	235
240					6.1	5.9	5.4	3.9	6.6	6.3	5.6	4	7.4	6.5	5.8	4.1			7.4	6.6	240
245					5.9	5.7	5.2	3.9	6.3	6	5.5	4	7.1	6.3	5.7	4			7.1	6.4	245
250					5.7	5.5	5	3.8	6.1	5.8	5.3	3.9	6.9	6.1	5.5	4			6.9	6.2	250
255					5.5	5.3	4.9		5.8	5.7	5.2	3.8	6.6	5.9	5.4	3.9			6.6	6	255
260					5.3	5.1	4.8		5.7	5.5	5.1	3.8	6.4	5.7	5.2	3.8			6.4	5.8	260
265					5	5	4.7		5.5	5.3	4.9		6.2	5.5	5.1	3.8			6.1	5.7	265
270					4.9	4.9	4.6		5.3	5.2	4.8		5.9	5.4	5	3.8			5.8	5.5	270
275					4.7	4.7			5.1	5	4.7		5.7	5.2	4.8				5.6	5.4	275
280					4.6	4.6			4.9	4.9	4.6		5.6	5.1	4.7				5.3	5.2	280
285					4.5				4.7	4.8	4.6		5.4	5	4.6				5.1	5	285
290									4.6	4.7			5.2	4.8	4.5				4.8	4.7	290
295									4.5	4.6			5	4.7	4.5				4.5	4.5	295
300									4.4				4.9	4.6	4.4				4.2	4.2	300
305													4.7	4.5					3.9	3.9	305
310													4.6	4.4						3.9	310
315													4.5	4.4							315
320													4.4								320

* adapter - pièce d'adaptateur

maxt_198_203_01401_00_000

Lifting capacities Forces de levage

TNZF 180 ft



Height (ft)	164 ft + 9 ft*				167 ft + 9 ft*				171 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
50	27				26.5				26.1				50
55	26.1				25.6				25.3				55
60	25.2				24.7				24.4				60
65	24.3				23.9				23.6				65
70	23.4				23				22.7				70
75	22.6				22.2				22				75
80	21.8				21.5				21.3				80
85	21.1				20.8				20.6				85
90	20.4	17.2			20.1	17			19.9	16.8			90
95	19.6	16.6			19.4	16.4			19.2	16.3			95
100	18.9	16.1			18.7	15.9			18.5	15.7			100
105	18.2	15.5			18	15.3			17.9	15.2			105
110	17.7	15			17.5	14.9			17.3	14.7			110
115	17.1	14.5			16.9	14.4			16.8	14.3			115
120	16.6	14.1	12		16.4	13.9	11.9		16.2	13.8	11.8		120
125	16	13.6	11.6		15.9	13.5	11.5		15.7	13.4	11.4		125
130	15.5	13.1	11.3		15.3	13	11.2		15.2	12.9	11.1		130
135	14.9	12.7	10.9		14.8	12.6	10.8		14.7	12.5	10.7		135
140	14.4	12.4	10.6		14.3	12.2	10.5		14.2	12.2	10.4		140
145	13.9	12	10.2		13.7	11.9	10.2		13.7	11.8	10.1		145
150	13.5	11.6	9.9		13.3	11.5	9.8		13.2	11.4	9.8		150
155	13.1	11.2	9.6		13	11.1	9.6		12.9	11.1	9.5		155
160	12.7	10.8	9.3		12.6	10.8	9.3		12.5	10.7	9.2		160
165	12.3	10.5	9	6.5	12.2	10.4	9	6.4	12.2	10.4	9	6.4	165
170	11.9	10.2	8.8	6.3	11.8	10.1	8.7	6.2	11.8	10.1	8.7	6.2	170
175	11.5	9.9	8.5	6.1	11.5	9.8	8.4	6	11.4	9.8	8.4	6	175
180	11.1	9.6	8.2	5.9	11.1	9.6	8.2	5.8	11	9.5	8.2	5.8	180
185	10.7	9.3	8	5.7	10.7	9.3	8	5.7	10.7	9.2	8	5.6	185
190	10.3	9	7.8	5.5	10.3	9	7.8	5.5	10.3	8.9	7.7	5.5	190
195	10	8.7	7.6	5.3	10	8.7	7.5	5.3	9.9	8.6	7.5	5.3	195
200	9.6	8.4	7.4	5.2	9.6	8.4	7.3	5.2	9.6	8.4	7.3	5.1	200
205	9.4	8.1	7.1	5	9.2	8.1	7.1	5	9.2	8.1	7.1	5	205
210	9.1	7.9	6.9	4.9	8.9	7.9	6.9	4.9	8.9	7.8	6.9	4.9	210
215	8.8	7.7	6.7	4.7	8.6	7.6	6.7	4.7	8.6	7.6	6.7	4.7	215
220	8.5	7.5	6.5	4.6	8.2	7.4	6.5	4.6	8.2	7.4	6.5	4.6	220
225	8.3	7.2	6.4	4.5	7.9	7.2	6.3	4.5	7.9	7.2	6.3	4.4	225
230	8	7	6.2	4.3	7.6	7	6.2	4.3	7.6	7	6.2	4.3	230
235	7.7	6.8	6	4.2	7.2	6.8	6	4.2	7.2	6.8	6	4.2	235
240	7.4	6.6	5.8	4.1	6.9	6.6	5.8	4.1	6.9	6.6	5.8	4.1	240
245	7.2	6.4	5.7	4	6.6	6.4	5.7	4	6.6	6.4	5.7	4	245
250	6.9	6.2	5.5	3.9	6.2	6.1	5.5	3.9	6.3	6.2	5.5	3.9	250
255	6.6	6	5.4	3.9	5.9	5.9	5.4	3.9	5.8	5.9	5.4	3.8	255
260	6.2	5.8	5.3	3.8	5.6	5.6	5.2	3.8	5.4	5.6	5.2	3.8	260
265	5.9	5.6	5.2		5.2	5.3	5.1		5	5.2	5		265
270	5.6	5.4	5		4.9	4.9	4.9		4.5	4.9	4.9		270
275	5.3	5.2	4.9		4.5	4.6	4.7		3.9	4.4	4.7		275
280	5	5	4.7		4	4.2	4.5			3.9	4.5		280
285	4.7	4.8	4.6			3.8	4.2				4.2		285
290	4.4	4.6	4.3				3.8						290
295	4	4.3	4.1										295
300		3.9	3.9										300

* adapter - pièce d'adaptateur

maxt_198_203_01401_00_000

Lifting capacities Forces de levage

TNZF 192 ft



Height (ft)	54 ft + 9 ft*			107 ft + 9 ft*			125 ft + 9 ft*			143 ft + 9 ft*			161 ft + 9 ft*			164 ft + 9 ft*			167 ft + 9 ft*			171 ft + 9 ft*			Height (ft)					
	TNZF 192 ft																													
	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°						
32	42.4																							32						
34	41.3																							34						
36	40.2																							36						
38	39.1			34.5																				38						
40	38			33.8			31.3																	40						
45	35.3			32.1			30.3			28.6														45						
50	32.9			30.4			29.2			27.5			24.7								24.1			23.6	50					
55	31			28.8			28.1			26.4			23.8								23.3			22.9	22.5	55				
60	29.2			27.4			27			25.3			23								22.5			22.1	21.7	60				
65	27.3			26.1			25.9			24.2			22.1								21.7			21.3	21	65				
70	25.4	23.1		24.9			24.8			23.2			21.3								20.8			20.5	20.2	70				
75	23.9	21.9		23.6	20.4		23.7			22.4			20.5								20.1			19.8	19.5	75				
80	22.6	20.6		22.4	19.6		22.6	18.8		21.5			19.8								19.4			19.1	18.8	80				
85	21.4	19.5		21.3	18.7		21.5	18.1		20.6	17.2		19.1								18.8			18.5	18.2	85				
90	20.2	18.5		20.4	17.8		20.6	17.3		19.7	16.5		18.4	15.4							18.1	15.1		17.8		17.6	90			
95	19	17.5		19.5	17.1		19.8	16.6		18.8	15.9		17.7	14.8							17.4	14.6		17.2	14.4	17	14.3	95		
100	17.8	16.5	14.7	18.6	16.3		19	15.9		18.1	15.2		17	14.3							16.8	14.1		16.6	14	16.4	13.8	100		
105	16.7	15.5	13.9	17.7	15.6		18.2	15.3		17.5	14.7		16.4	13.8							16.1	13.6		15.9	13.5	15.8	13.3	105		
110	15.8	14.7	13.2	16.8	14.9	12.7	17.4	14.6		16.8	14.1		15.8	13.3							15.5	13.1		15.3	13	15.2	12.8	110		
115	15	13.9	12.4	16	14.3	12.2	16.7	14	11.9	16.2	13.6		15.3	12.8							15	12.7		14.9	12.6	14.7	12.4	115		
120	14.2	13.1	11.7	15.3	13.7	11.7	15.9	13.5	11.4	15.6	13.1	11	14.8	12.4							14.5	12.3		14.4	12.1	14.2	12	120		
125	13.4	12.4	11	14.7	13.1	11.2	15.2	13	11	14.9	12.6	10.6	14.2	12	10.1						14	11.8	10	13.9	11.7	9.8	13.8	11.6	125	
130	12.6	11.6	10.3	14.1	12.5	10.7	14.6	12.4	10.6	14.3	12.1	10.2	13.7	11.5	9.7						13.5	11.4	9.6	13.4	11.3	9.5	13.3	11.2	9.4	130
135	11.8	10.9	9.6	13.5	12	10.3	14.1	11.9	10.1	13.7	11.7	9.8	13.2	11.1	9.4						13.1	11	9.3	13	10.9	9.2	12.9	10.8	9.1	135
140	11	10.4	9.2	12.9	11.5	9.8	13.6	11.4	9.7	13.2	11.2	9.5	12.7	10.7	9.1						12.6	10.6	9	12.5	10.5	8.8	12.4	10.4	8.8	140
145	10.3	9.9	8.7	12.3	11.1	9.4	13.1	11	9.4	12.8	10.8	9.1	12.2	10.4	8.8						12.1	10.2	8.7	12	10.2	8.6	12	10.1	8.5	145
150	9.7	9.4	8.3	11.7	10.6	9	12.5	10.6	9	12.3	10.4	8.8	11.8	10	8.5						11.6	9.9	8.3	11.5	9.8	8.3	11.5	9.8	8.2	150
155	9.2	8.9	7.9	11.1	10.2	8.6	12	10.2	8.7	11.9	10	8.4	11.4	9.7	8.1						11.3	9.6	8.1	11.2	9.5	8	11.1	9.4	7.9	155
160	8.8	8.4	7.4	10.6	9.7	8.3	11.5	9.8	8.3	11.4	9.6	8.1	11	9.3	7.9						10.9	9.2	7.8	10.8	9.2	7.7	10.8	9.1	7.7	160
165	8.3	7.9	7.1	10.1	9.3	8	10.9	9.4	8	11	9.3	7.8	10.7	8.9	7.6						10.6	8.9	7.5	10.5	8.8	7.5	10.4	8.8	7.4	165
170	7.8	7.4	6.8	9.7	8.8	7.6	10.4	9	7.7	10.6	8.9	7.5	10.3	8.6	7.3						10.2	8.5	7.3	10.2	8.5	7.2	10.1	8.4	7.1	170
175	7.4	7	6.5	9.3	8.4	7.3	10	8.7	7.4	10.1	8.6	7.3	9.9	8.4	7						9.9	8.3	7	9.8	8.2	6.9	9.8	8.2	6.9	175
180	6.9	6.7	6.1	8.9	8.1	7	9.6	8.3	7.1	9.7	8.3	7	9.6	8.1	6.7						9.5	8	6.7	9.5	8	6.6	9.4	7.9	6.6	180
185	6.5	6.4		8.5	7.8	6.7	9.3	7.9	6.8	9.3	8	6.8	9.2	7.8	6.5						9.2	7.7	6.4	9.1	7.7	6.3	9.1	7.6	6.3	185
190	6.2	6		8.1	7.5	6.3	8.9	7.6	6.5	8.9	7.6	6.5	8.8	7.5	6.2						8.8	7.5	6.1	8.8	7.4	6.1	8.8	7.4	6.1	190
195	5.9	5.7		7.7	7.2	6	8.5	7.3	6.1	8.6	7.3	6.2	8.5	7.3	6						8.5	7.2	5.9	8.4	7.2	5.8	8.4	7.1	5.8	195
200	5.6			7.3	6.8	5.7	8.2	7	5.9	8.3	7	5.9	8.1	7	5.7						8.1	7	5.7	8.1	6.9	5.6	8.1	6.9	5.6	200
205	5.3			6.9	6.5	5.4	7.8	6.8	5.6	8	6.8	5.6	7.8	6.7	5.5						7.8	6.7	5.4	7.8	6.7	5.4	7.8	6.6	5.4	205
210	5			6.6	6.2	5.1	7.5	6.5	5.3	7.7	6.6	5.3	7.6	6.4	5.2						7.5	6.4	5.2	7.5	6.4	5.1	7.5	6.4	5.1	210
215				6.3	5.9	4.8	7.1	6.2	5	7.4	6.3	5.1	7.3	6.2	5						7.3	6.2	4.9	7.2	6.2	4.9	7.2	6.1	4.9	215
220				6	5.6	4.6	6.8	5.9	4.7	7.1	6.1	4.8	7.1	6	4.7						7.1	6	4.7	6.9	5.9	4.7	6.9	5.9	4.7	220
225				5.8	5.3	4.3	6.5	5.6	4.5	6.8	5.8	4.6	6.8	5.8	4.5						6.8	5.8	4.5	6.6	5.7	4.5	6.6	5.7	4.4	225
230				5.4	5	4.1	6.3	5.4	4.3	6.5	5.5	4.4	6.5	5.5	4.3						6.6	5.5	4.3	6.3	5.5	4.3	6.3	5.5	4.2	230
235				5.1	4.7	3.9	6	5.1	4.1	6.2	5.2	4.1	6.3	5.3	4.1						6.3	5.3	4.1	6.1	5.3	4.1	6	5.2	4.1	235
240				4.7	4.4		5.8	4.8	3.9	6	5	3.9	6	5	4						6.1	5	3.9	5.8	5	3.9	5.8	5	3.9	240
245				4.4	4.2		5.5	4.6		5.7	4.8		5.8	4.8	3.8						5.8	4.8	3.8	5.5	4.8	3.8	5.5	4.8		245
250				4.2	4		5.3	4.3		5.5	4.5		5.5	4.5							5.6	4.6		5.2	4.5		5.2	4.6		250
255				4	3.8		5	4		5.3	4.3		5.3	4.3							5.3	4.3		4.9	4.3		4.8	4.3		255
260				3.8			4.7	3.8		5.1	4.1		5.1	4.1							5	4.1		4.5	4.1		4.4	4.1		260
265							4.5			4.8	3.9		4.8	3.9							4.7	4		4.1			3.9	3.8		265
270							4.2			4.6			4.6	3.8							4.4	3.8								270
275							4			4.3			4.3								4.1									275
280							3.8			4.1			4.1																	280
285										3.9			3.8																	285

* adapter - pièce d'adaptateur

maxt_198_203_01501_00_000

Lifting capacities Forces de levage

TNZF 203 ft



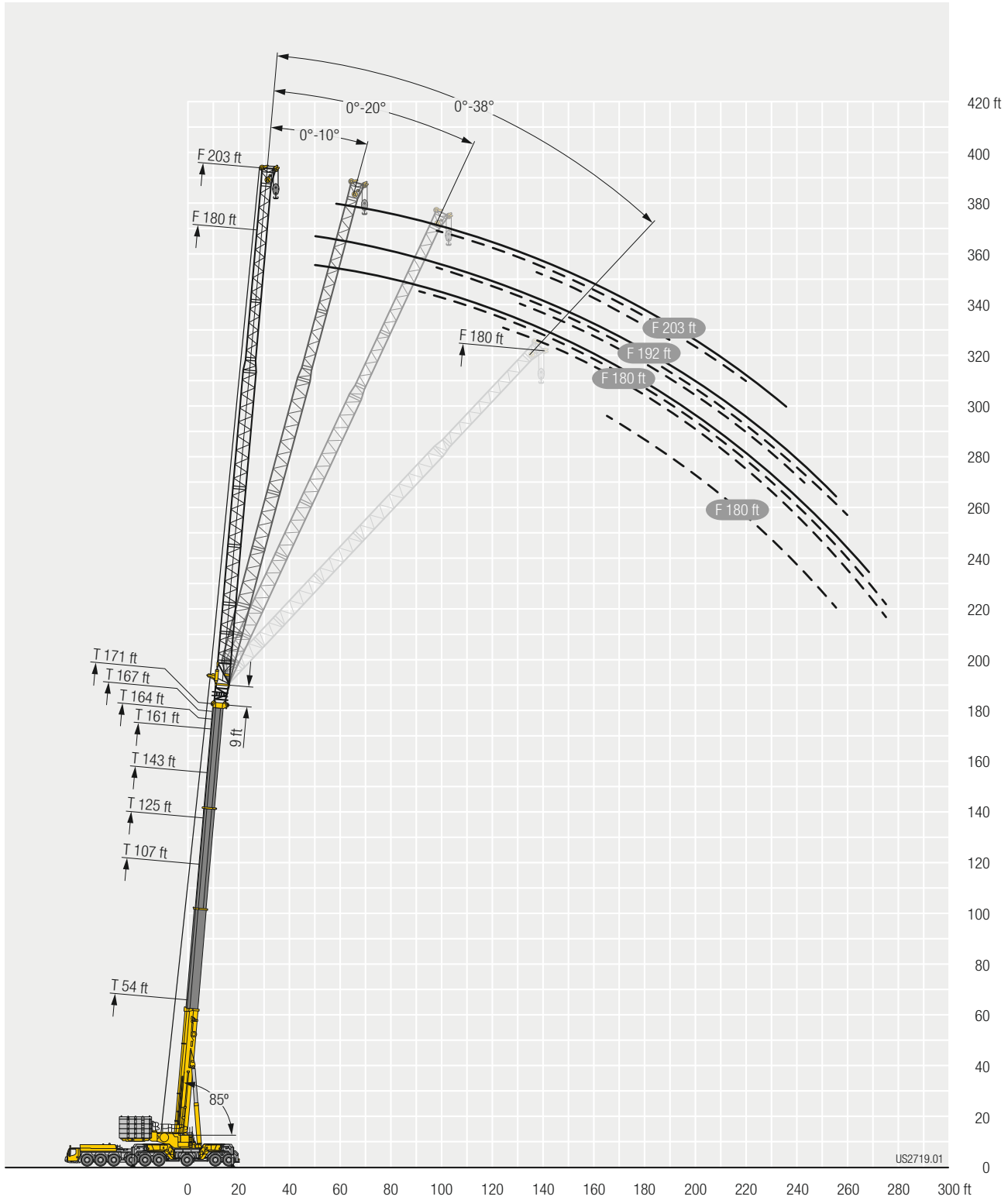
	54 ft + 9 ft*			107 ft + 9 ft*			125 ft + 9 ft*			143 ft + 9 ft*			161 ft + 9 ft*			164 ft + 9 ft*			167 ft + 9 ft*			171 ft + 9 ft*						
	NZF 203 ft																											
	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	
34	31.5																											34
36	31.5																											36
38	31.5																											38
40	31.5					31																						40
45	31.5					29.6				28																		45
50	30.1					28.2				26.7			24.6					21.2										50
55	28.3					26.8				25.5			23.6				21				20.3				19.6			55
60	26.6					25.5				24.3			22.6				20.4				19.9				19.4			60
65	25					24.3				23.2			21.6				19.6				19.2				18.8			65
70	23.4					23.2				22.2			20.7				18.9				18.5				18.1			70
75	21.8	19.9				22.1				21.2			19.9				18.1				17.8				17.4			75
80	20.5	18.8				20.9	17.5			20.3			19.1				17.5				17.1				16.8			80
85	19.4	17.6				19.8	16.7			19.3	16			18.3				16.8			16.5				16.2			85
90	18.3	16.7				18.9	15.9			18.4	15.4			17.6	14.5			16.2			15.9				15.7			90
95	17.3	15.8				18.1	15.2			17.6	14.7			16.8	13.9			15.6	12.9		15.3	12.7			15.1			95
100	16.2	14.9				17.3	14.5			16.9	14			16	13.4			15	12.4		14.7	12.2			14.5	12.1		100
105	15.1	14.1	12.5			16.5	13.8			16.2	13.4			15.4	12.8			14.4	11.9		14.2	11.8			14	11.6		105
110	14.2	13.2	11.8			15.7	13.2			15.5	12.9			14.8	12.3			13.8	11.5		13.6	11.3			13.4	11.2		110
115	13.5	12.5	11.1			14.9	12.6	10.6		14.8	12.3			14.3	11.8			13.3	11		13.1	10.9			12.9	10.7		115
120	12.8	11.8	10.4			14.1	12	10.1		14.1	11.7	9.8		13.7	11.3			12.8	10.6		12.6	10.5			12.5	10.3		120
125	12.1	11.2	9.9			13.5	11.5	9.7		13.4	11.2	9.4		13.1	10.8	8.8		12.4	10.2		12.2	10.1			12	10		125
130	11.4	10.5	9.3			13	11	9.2		12.8	10.8	8.9		12.5	10.4	8.4		11.9	9.8	7.6	11.7	9.7			11.6	9.6		130
135	10.8	9.8	8.7			12.4	10.4	8.8		12.3	10.3	8.5		12	10	8		11.4	9.4	7.3	11.3	9.3	7.2		11.2	9.2	7	135
140	10.1	9.1	8.2			11.9	9.9	8.3		11.8	9.9	8		11.5	9.6	7.6		11	9	7	10.8	8.9	6.8		10.7	8.8	6.7	140
145	9.4	8.7	7.8			11.3	9.5	7.8		11.4	9.4	7.6		11	9.2	7.2		10.5	8.7	6.6	10.4	8.6	6.5		10.3	8.5	6.4	145
150	8.7	8.3	7.4			10.8	9.1	7.4		10.9	9	7.2		10.6	8.8	6.9		10.1	8.4	6.3	9.9	8.3	6.2		9.9	8.1	6.1	150
155	8.2	7.9	7			10.2	8.7	7		10.4	8.6	6.8		10.2	8.4	6.5		9.7	8	6	9.5	7.9	5.9		9.5	7.8	5.8	155
160	7.7	7.5	6.6			9.7	8.3	6.5		9.9	8.2	6.5		9.8	8.1	6.2		9.4	7.7	5.7	9.2	7.6	5.6		9.1	7.4	5.5	160
165	7.3	7				9.2	7.9	6.1		9.5	7.9	6.1		9.4	7.7	5.8		9	7.3	5.4	8.9	7.2	5.3		8.8	7.1	5.2	165
170	6.9					8.7	7.5	5.8		9	7.6	5.7		9	7.4	5.5		8.7	6.9	5.1	8.6	6.8	5		8.5	6.7	5	170
175	6.5					8.3	7	5.4		8.5	7.1	5.4		8.6	7	5.2		8.4	6.6	4.9	8.3	6.5	4.7		8.2	6.4	4.7	175
180	6.1					8	6.5	5.1		8.1	6.7	5.1		8.2	6.7	4.9		8	6.3	4.6	7.9	6.2	4.5		7.9	6.1	4.5	180
185						7.6	6.1	4.7		7.8	6.3	4.8		7.8	6.3	4.6		7.7	6	4.3	7.6	5.9	4.2		7.6	5.8	4.2	185
190						7.2	5.8	4.4		7.4	5.9	4.5		7.4	5.9	4.3		7.4	5.7	4	7.3	5.6	4		7.3	5.5	3.9	190
195						6.9	5.4	4		7.1	5.5	4.1		7.1	5.6	4.1		7	5.4	3.8	7	5.3			7	5.2		195
200						6.5	5			6.8	5.2	3.8		6.8	5.2	3.8		6.7	5.1		6.7	5			6.7	5		200
205						6	4.7			6.5	4.9			6.5	4.9			6.4	4.8		6.3	4.8			6.3	4.7		205
210						5.6	4.3			6.1	4.6			6.2	4.6			6	4.5		5.9	4.5			5.9	4.4		210
215						5.2	3.9			5.7	4.3			5.9	4.3			5.8	4.2		5.7	4.2			5.6	4.1		215
220						4.9				5.3	4			5.5	4			5.5	3.9		5.4	3.9			5.3	3.8		220
225						4.6				4.8				5.2	3.8			5.2			5.1				4.9			225
230						4.2				4.5				4.9				4.9			4.8				4.6			230
235						3.9				4.3				4.5				4.6			4.6				4.3			235
240										4				4.2				4.3			4.3				4			240
245														3.9				4			4							245

* adapter - pièce d'adaptateur

maxt_198_203_01601_00_000

Lifting heights Hauteurs de levage

TNZF



Lifting capacities Forces de levage

TYNZF 20 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
16	248.2																16
17	246.6																17
18	244.9																18
19	243.3				240.7												19
20	241.6	207			239.5												20
22	238.3	202.7			237.1				225.2								22
24	235.2	198.3	159		234.7	203.2			225.3				200.4				24
26	232.6	194	156.4		232.3	199.4	159.1		225.3	203.6			201				26
28	229.9	189.7	153.8	120.4	230	195.5	156.8		225.3	200.2	159.2		201.6	202.8			28
30	227.2	185.4	151.2	119.3	228	191.7	154.5	120.4	225.3	196.7	157.2		202.2	200.8	159.3		30
32	224.5	181.1	148.5	118.3	226	187.9	152.2	119.5	224.2	193.3	155.1		202.8	197.7	157.5		32
34	221.9	176.7	145.9	117.2	224	184.1	149.9	118.5	222.5	189.9	153.1	119.6	203.1	194.6	155.6		34
36	215.8	172.4	143.3	116.1	222	180.3	147.6	117.6	220.8	186.5	151	118.7	203.2	191.6	153.7	119.7	36
38	210.7	168.1	141.3	115.1	220	176.5	145.3	116.7	219.1	183.1	148.9	117.9	203.3	188.5	151.9	118.9	38
40	206.1	163.9	139.3	113.9	216.5	172.7	143.1	115.7	217.4	179.7	146.9	117.1	203.5	185.4	150	118.2	40
45	194.8	157.1	134.3	110.4	206.3	163.6	138.6	113	212.8	171.2	142.1	114.8	203.7	177.7	145.4	116.1	45
50	183.5	150.2	129.2	107	196.4	157.5	134.2	110	206.4	163.3	138.1	111.8	202.6	170	141.3	113.4	50
55	172.1	143.4	124.8	104.1	186.4	151.5	129.8	107.1	197.6	157.9	134.2	109.2	199	163	137.7	110.8	55
60	162.2	138	121.8	101.3	176.4	145.5	125.5	104.4	188.6	152.5	130.2	106.7	195.4	158.1	134.2	108.4	60
65	154.6	132.6	118.8	99	166.9	140.3	122.9	102	179.7	147.1	126.3	104.3	190.3	153.3	130.6	106.1	65
70	147.3	127.3	115.8	96.8	159.2	135.6	120.3	99.8	170.8	142.1	123.7	102.2	182.4	148.4	127.1	103.9	70
75	140.6	123.3	112.8	94.9	152.7	130.8	117.6	97.9	163.1	137.8	121.4	100.1	174.4	143.6	124.4	102.1	75
80	134.6	120	109.2	93.2	146.2	126.1	115	96	156.9	133.6	119.1	98.4	166.8	139.7	122.3	100.3	80
85	128.7	116.7	105.5	91.7	140.4	123	112.2	94.4	151.1	129.4	116.7	96.7	160.3	135.9	120.2	98.7	85
90	123.8	113.3	102.1	90.5	135.2	120.1	109	93	145.3	125.4	114.2	95.1	155.1	132.1	118.1	97.2	90
95	119.9	108.6	99.3		129.9	117.2	105.8	91.7	140.3	122.8	111.3	93.9	149.8	128.3	115.9	95.8	95
100	116	104.5	96.5		125	114.2	102.6	90.7	135.6	120.2	108.4	92.7	143.2	124.9	112.9	94.4	100
105	111.3	100.9	94.2		121.6	110.3	100.1	89.8	130.9	117.6	105.6	91.5	135.2	122.6	110.2	93.3	105
110	106.4	97.4	92.1		118.3	106.3	97.7		126.2	114.9	102.8	90.7	127.4	120.2	107.7	92.3	110
115	101.6	94.5	90.3		114.6	103	95.3		123	111.6	100.4	89.9	120.2	117.8	105.2	91.2	115
120	97.1	91.9			110	100	93.5		116.7	107.9	98.4		113.6	114.4	102.8	90.5	120
125	93.3				105.7	96.9	91.6		110.4	104.6	96.4		107.4	108.2	100.6	89.8	125
130					101.6	94.4	90.3		104.5	101.4	94.4		101.7	102.5	98.7		130
135					97.2	92.2			99	98.8	93		96.3	97.1	96.9		135
140					92.6	90.3			93.9	94.4	91.3		91.4	92.1	92.6		140
145					74.8				88.9	89.4	89.4		86.7	87.3	87.8		145
150									84.1	84.6			82.3	82.9	83.4		150
155									79.6	80			78.2	78.7	79.1		155
160									69				74.3	74.8	75.1		160
165													70.6	71			165
170													67.1	67.4			170
175													60.9				175
180													47.3				180

* adapter - pièce d'adaptateur

maxt_198_211_02001_00_000

Lifting capacities Forces de levage

TYNZF 31 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
18	240.2																18
19	238.8																19
20	237.5																20
22	234.7				232.1												22
24	232.1	201.3			230.4				207.6								24
26	229.3	195.9			228.7				208.2				183.9				26
28	226.4	190.5			227.1	193.3			208.8				184.5				28
30	223.5	185.2	145.4		225.1	188.5			209.4	187.9			185.2				30
32	220.6	180.3	142.2		222.3	183.7	143.7		210	183.7			185.8	180.5			32
34	217.7	175.5	139		219.3	179	140.9		209.6	179.5	140.9		186.4	177			34
36	214.8	170.7	136.2	99.1	216.3	174.9	138.2		207.9	175.4	138.5		186.9	173.5	137.4		36
38	211.2	165.9	133.4	97.7	213.4	170.8	135.6		206.2	171.5	136.1		187	170	135.3		38
40	206.5	161.3	130.7	96.4	210.4	166.7	133.2	97.4	204.5	168	133.7		187.2	166.5	133.3		40
45	193.4	152	124.3	93.3	201.3	156.8	127.2	94.6	200.2	159.3	128.5	95.3	187.4	159.2	128.4	95.7	45
50	180.4	142.9	118.4	90.4	190	148.8	122	91.9	193.4	151.1	123.5	92.8	187.6	151.9	123.9	93.4	50
55	169	134.9	113	87.8	178.8	141	117.1	89.4	184	144.3	119.1	90.6	183	145.2	119.6	91.3	55
60	158.8	128.5	108.3	85.4	168.4	133.7	112.5	87.2	174.5	137.7	114.9	88.4	175.3	139.5	115.9	89.2	60
65	148.8	122	103.6	83.2	159.5	128.2	108.5	85.1	165.3	131.3	110.9	86.5	167.6	133.9	112.2	87.3	65
70	138.8	115.4	99.4	81.2	151	122.7	104.4	83.1	157.4	126.3	107.5	84.6	159.9	128.4	108.6	85.6	70
75	130.1	110.3	95.9	79.4	142.5	117.2	100.6	81.4	150.3	121.6	104.2	82.8	153.4	124	105.8	83.9	75
80	123.7	105.4	92.4	77.8	134.3	112.1	97.2	79.7	143.2	116.9	100.9	81.3	147.2	119.9	102.9	82.4	80
85	117.3	100.6	89.2	76.3	127.2	107.8	94.2	78.3	136.2	112.2	97.8	79.8	141.3	115.8	100	81	85
90	110.9	96.2	86.4	75	121.8	103.7	91.1	76.9	129.3	108.3	95	78.5	135.3	111.7	97.3	79.7	90
95	105.1	92.6	83.7	73.8	116.4	99.7	88.4	75.7	123.6	104.8	92.3	77.3	129.4	107.9	94.8	78.5	95
100	100.5	89.2	81.3	73	111	95.9	86.1	74.7	119	101.4	89.6	76.1	123.7	104.7	92.6	77.3	100
105	95.9	85.7	79.2		105.9	92.7	83.7	73.6	114.4	98.1	87.3	75.1	119.2	101.8	90.3	76.3	105
110	91.3	82.9	77.3		101.6	89.7	81.5	72.8	109.8	94.9	85.3	74.1	115.3	99	88	75.2	110
115	87.2	80.4	75.5		97.6	86.6	79.6	72.1	105.3	92.1	83.3	73.2	111.4	96.1	86.1	74.4	115
120	83.9	77.9	74.1		93.7	83.8	77.9		101.4	89.5	81.3	72.6	107.4	93.4	84.4	73.5	120
125	80.6	75.7	72.8		89.7	81.5	76.2		98	86.9	79.5	72	103.5	91	82.6	72.7	125
130	77.4	73.9			86.3	79.3	74.8		94.7	84.3	78.1		99.9	88.8	80.9	72.2	130
135	74.8	72.3			83.5	77.2	73.6		91.4	82	76.6		96.4	86.6	79.3	71.7	135
140	71.9				80.6	75.3	72.5		88	80.2	75.2		91.5	84.3	77.9		140
145					77.8	73.8			85.2	78.3	74		87	82.2	76.6		145
150					75.4	72.3			82.2	76.4	73		82.7	80.5	75.3		150
155					71.7				79.8	74.8	72		78.7	78.8	74.1		155
160									77.2	73.5			74.9	75.7	73.3		160
165									73.3	72			71.3	72	72.1		165
170									65.3				67.9	68.5	69.1		170
175									49.2				64.6	65.2			175
180													61.6	62.1			180
185													57	58.5			185
190													45.7				190

* adapter - pièce d'adaptateur

maxt_198_211_02101_00_000

Lifting capacities Forces de levage

TYNZF 43 ft



↙	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘
	NZF 43 ft																
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
20	209.7																20
22	204.1																22
24	198.4				202.2												24
26	192.8				197.2				190.6								26
28	187.2	150.5			192.2				187.3				169				28
30	182.8	147.6			187.2	149			184				168.9				30
32	178.5	144.7			182.4	146.6			180.8				168.9				32
34	174.1	141.9	120.3		178.5	144			177.5	143.6			168.8				34
36	169.8	139.3	118.2		174.7	141.3			174.3	141.3			168.8	139.4			36
38	165.5	136.8	116.2		170.9	138.7	117		171.1	139			168.5	137.4			38
40	161.2	134.4	114.3		167.1	136.5	115.3		167.8	136.7	114.8		166.3	135.5			40
45	152.8	128.3	109.9	78.8	157.8	131.1	111.2		159.8	131.7	111.2		159.5	130.7	110.1		45
50	145	123.2	105.6	76.7	150.4	125.9	107.5	77	152	126.9	107.9	77.2	152.8	126.6	107		50
55	137.1	118.2	101.8	74.8	143.5	121.4	103.9	75.2	145.7	122.3	104.6	75.6	146.4	122.4	104.2	75.6	55
60	130.9	113.5	98	72.9	136.7	117	100.6	73.5	139.8	118.5	101.5	74.1	141.1	118.6	101.4	74.1	60
65	125.5	109.5	94.9	71.3	130.8	112.8	97.4	72.1	134	114.7	98.7	72.6	136.1	115.4	98.9	72.8	65
70	120.1	105.5	91.9	69.7	125.8	109.3	94.6	70.6	128.7	111	95.9	71.2	131.2	112.1	96.5	71.5	70
75	114.7	101.5	89	68.4	121.2	105.9	91.9	69.3	124.1	107.9	93.4	70	126.4	109	94.1	70.3	75
80	109.6	98	86.4	67.1	116.5	102.5	89.2	68	120.2	105.1	91.1	68.8	122.4	106.1	92	69.2	80
85	105.7	95	84.2	66	111.9	99.1	86.7	67	116.2	102.3	88.8	67.7	118.9	103.6	90	68.2	85
90	101.9	92.1	81.9	65	107.6	96.3	84.7	65.9	112.2	99.4	86.6	66.7	115.5	101	88	67.2	90
95	98	89.2	80	64.1	104.3	93.8	82.7	65.1	108.3	96.8	84.6	65.8	112	98.5	86.1	66.3	95
100	94.3	86.7	78.2	63.4	101	91.2	80.7	64.3	104.8	94.3	82.9	65	108.5	95.9	84.2	65.5	100
105	91.2	84.6	76.5	62.8	97.8	88.7	79	63.6	102	92	81.1	64.3	105.2	93.7	82.6	64.7	105
110	88.5	82.5	74.9	62.4	94.5	86.4	77.6	63	99.3	89.7	79.4	63.6	102.3	91.7	81.1	64.1	110
115	85.8	80.4	73.7	62.1	91.6	84.5	76.1	62.5	96.5	87.4	77.9	63	100	89.7	79.6	63.5	115
120	83.1	78.7	72.6		89.2	82.5	74.6	62.2	93.7	85.3	76.7	62.5	97.6	87.8	78.1	62.9	120
125	80.8	77.2	71.5		86.8	80.6	73.5	61.9	91.1	83.6	75.4	62	95.2	85.8	76.9	62.4	125
130	79.1	75.7	70.8		84.5	78.8	72.6		89	82	74.2	61.7	92.8	84	75.8	62	130
135	77.3	74.1	70.2		82.1	77.4	71.6		86.9	80.3	73.1	61.5	90.5	82.5	74.6	61.6	135
140	75.4	72.6			80.3	76	70.8		84.9	78.6	72.3		88.5	81	73.5	61.3	140
145	73.3	71.2			78.7	74.7	70.3		82.9	77.2	71.4		86.3	79.6	72.5	61.1	145
150	70.7				77.1	73.5	69.9		80.9	76.1	70.6		83.1	78.1	71.8	61	150
155					75.4	72.3			78.9	74.9	70		79.1	76.8	71.1		155
160					73.5	71.2			77.5	73.8	69.6		75.4	75.5	70.3		160
165					68.3				74.3	72.6	69.2		71.8	72.9	69.6		165
170									70.9	71.6			68.5	69.5	69.1		170
175									67.5	68.2			65.3	66.2	67		175
180									61.4	64.4			62.3	63.1	63.8		180
185									48.2				59.4	60.2			185
190													56.7	57.3			190
195													53.4	54.5			195
200													43.7				200

* adapter - pièce d'adaptateur

maxt_198_211_02201_00_000

Lifting capacities Forces de levage

TYNZF 54 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
22	170.1																22
24	165.3				166.9												24
26	160.6				163.1												26
28	155.8				159				157.5								28
30	151	112.1			154.9				153.9				150.1				30
32	146.5	109.2			150.8				150.3				147				32
34	142	106.2			146.7	107.6			146.8				143.8				34
36	137.6	103.3			142.7	105.1			143.2	105			140.6				36
38	133.1	100.5			138.7	102.5			139.6	102.8			137.4	101.9			38
40	128.6	98.1	79.1		134.7	100			136.2	100.6			134.2	99.9			40
45	118.6	92.2	75.1		124.7	94.6	75.9		127.5	95.2	76.1		126.9	95.1			45
50	110.8	86.6	71.8		115.6	89.5	72.7		118.8	90.7	73.2		119.7	90.7	73.1		50
55	103	82.2	68.5	51.9	108.8	84.7	69.8	52.3	110.9	86.4	70.4		112.4	86.9	70.4		55
60	95.5	77.9	65.6	50.2	102.1	80.8	67.1	50.8	105.2	82.3	67.8	51.2	106.2	83.1	68.1	51.4	60
65	90.1	73.8	62.6	48.7	95.4	77	64.6	49.3	99.5	78.9	65.4	49.9	101.3	79.6	65.8	50.2	65
70	85.3	70.6	60.1	47.2	90.2	73.3	62.2	48	93.8	75.5	63.3	48.6	96.4	76.7	63.8	49	70
75	80.5	67.4	57.7	45.9	85.8	70.4	59.9	46.8	88.9	72.2	61.2	47.5	91.5	73.8	61.9	47.9	75
80	75.7	64.2	55.3	44.7	81.6	67.7	57.9	45.7	84.7	69.5	59.3	46.4	87	70.9	60.1	46.9	80
85	71.2	61.2	53.2	43.6	77.4	65	55.8	44.5	81.1	67.1	57.5	45.4	83.3	68.4	58.4	45.9	85
90	67.9	58.7	51.3	42.5	73.2	62.3	53.8	43.6	77.6	64.7	55.7	44.4	80.1	66.3	56.9	45	90
95	64.8	56.3	49.6	41.6	69.3	59.8	52	42.7	74	62.3	54	43.5	77	64.2	55.4	44.1	95
100	61.7	53.9	47.8	40.8	66.6	57.7	50.4	41.8	70.4	60	52.3	42.7	73.9	62.1	53.8	43.3	100
105	58.6	51.6	46.4	40	64	55.6	48.8	41.1	67.2	58	50.8	41.9	70.7	60	52.4	42.6	105
110	55.8	49.8	45	39.3	61.3	53.5	47.3	40.3	64.9	56.2	49.4	41.2	67.7	58.1	51	41.9	110
115	53.5	48.1	43.7	38.7	58.6	51.5	46	39.6	62.6	54.5	48.1	40.5	65.1	56.4	49.8	41.2	115
120	51.3	46.3	42.5	38.2	56.1	49.8	44.9	39.1	60.3	52.7	46.8	39.9	63.1	54.9	48.5	40.6	120
125	49	44.6	41.4	37.7	54	48.2	43.7	38.5	58	51	45.6	39.3	61.1	53.4	47.3	40.1	125
130	46.8	43.3	40.5		52	46.7	42.6	38.1	55.7	49.5	44.6	38.8	59.1	51.9	46.1	39.5	130
135	45	42	39.5		50.1	45.2	41.6	37.7	53.8	48.1	43.5	38.4	57.1	50.5	45.1	39.1	135
140	43.5	40.7	38.8		48.1	43.8	40.7		52.1	46.8	42.5	38	55.1	49.1	44.2	38.6	140
145	41.9	39.6	38.1		46.2	42.6	39.8		50.4	45.4	41.6	37.6	53.2	47.9	43.3	38.2	145
150	40.3	38.7	37.5		44.7	41.5	39		48.7	44.1	40.8	37.3	51.8	46.7	42.3	37.8	150
155	39.1	37.8			43.2	40.4	38.4		46.9	43	40.1		50.3	45.5	41.5	37.5	155
160	37.8				41.8	39.4	37.9		45.4	42	39.3		48.8	44.3	40.8	37.3	160
165					40.4	38.6	37.4		44.1	41	38.7		47.4	43.2	40.2		165
170					39.2	37.9			42.8	40.1	38.2		45.9	42.2	39.5		170
175					38.2	37.2			41.5	39.2	37.6		44.6	41.4	38.8		175
180					37.2				40.3	38.5	37.2		43.5	40.5	38.3		180
185									39.2	37.7			42.3	39.6	37.8		185
190									38.3	37.2			41.2	38.9	37.4		190
195									37.4				40.1	38.3	37.1		195
200													39.2	37.7			200
205													38.3	37.2			205
210													37.5				210
215													30.7				215

* adapter - pièce d'adaptateur

maxt_198_211_02301_00_000

Lifting capacities Forces de levage

TYNZF 66 ft



Jib Length (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Jib Length (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
22	145																22
24	141.1																24
26	137.1				138.5												26
28	133.1				135.1												28
30	129				131.7				131				127.2				30
32	125.2				128.3				128				125.1				32
34	122.2	97.6			125				125.1				122.6				34
36	119.2	95.6			121.6				122.2				120.1				36
38	116.3	93.6			118.9	94.2			119.2				117.6				38
40	113.4	91.6			116.4	92.5			116.5	92.5			115.1				40
45	106.1	87.2	74.4		110	88.4			110.8	89.2			109.6	88.6			45
50	100.3	83.3	71.5		103.7	84.7	71.9		105.3	85.7			104.9	85.3			50
55	95.3	79.5	68.9		98.4	81.2	69.5		99.8	82.6	69.5		100.2	82.3	69.2		55
60	90.3	76.3	66.2		93.9	77.8	67.3		95.2	79.5	67.4		95.6	79.5	67.2		60
65	85.6	73.2	63.9	48.2	89.5	75	65.1	48.4	91.4	76.5	65.5		91.8	76.8	65.4		65
70	81.8	70.1	61.6	47	85.1	72.2	63.1	47.2	87.5	74.1	63.6	47.4	88.4	74.3	63.7	47.4	70
75	78.4	67.6	59.4	45.7	81.5	69.5	61	46	83.7	71.6	61.8	46.3	85	72.2	62	46.4	75
80	75.1	65.1	57.3	44.5	78.4	67.2	59	45	80.4	69.1	60.1	45.4	81.6	70	60.4	45.5	80
85	71.7	62.7	55.3	43.5	75.4	65.1	57.2	44	77.5	66.9	58.3	44.5	78.7	67.8	58.8	44.6	85
90	68.4	60.2	53.3	42.5	72.4	63.1	55.4	43.2	74.9	65.1	56.7	43.6	76	65.8	57.2	43.8	90
95	65.7	58	51.4	41.6	69.5	61	53.6	42.3	72.3	63.2	55.2	42.8	73.7	64.1	55.8	43.1	95
100	63.2	56	49.8	40.8	66.5	58.9	51.9	41.5	69.7	61.4	53.6	42	71.5	62.5	54.5	42.3	100
105	60.8	53.9	48.2	40.1	64.3	57	50.4	40.7	67.1	59.5	52.1	41.3	69.2	60.8	53.2	41.6	105
110	58.4	51.9	46.7	39.4	62.3	55.2	49	40	64.6	57.7	50.7	40.6	66.9	59.1	51.9	41	110
115	56	50	45.4	38.8	60.2	53.4	47.6	39.4	62.7	56.1	49.4	39.9	64.7	57.5	50.6	40.4	115
120	53.9	48.4	44.2	38.3	58.1	51.5	46.3	38.9	60.9	54.5	48.1	39.4	62.6	56	49.5	39.8	120
125	51.9	46.8	43	37.8	56.1	49.8	45.1	38.3	59.1	52.9	46.8	38.9	61	54.6	48.4	39.3	125
130	49.9	45.3	41.8	37.4	54.1	48.4	44	37.9	57.3	51.3	45.7	38.4	59.4	53.3	47.2	38.8	130
135	47.9	43.8	40.9	37.1	52.4	47	42.9	37.5	55.5	49.8	44.6	38	57.8	51.9	46.1	38.4	135
140	46	42.6	40		50.6	45.6	41.9	37.2	53.6	48.5	43.7	37.6	56.2	50.5	45.1	37.9	140
145	44.4	41.5	39.1		48.8	44.2	41	36.9	52.1	47.2	42.7	37.3	54.5	49.2	44.2	37.6	145
150	43	40.3	38.4		47.1	43	40.2	36.7	50.6	46	41.8	37	53	48.1	43.3	37.3	150
155	41.6	39.3	37.8		45.4	42	39.5		49.1	44.7	41	36.7	51.6	47	42.5	36.9	155
160	40.2	38.5	37.3		44	41	38.7		47.6	43.5	40.3	36.5	50.3	45.8	41.7	36.7	160
165	39	37.6			42.8	40	38.2		46.1	42.5	39.6		49	44.7	40.9	36.5	165
170	37.9				41.5	39.1	37.6		44.6	41.6	38.9		47.7	43.6	40.3	36.4	170
175					40.2	38.4	37.2		43.5	40.7	38.3		46.4	42.7	39.6		175
180					39.1	37.7			42.3	39.7	37.9		45.1	41.8	39		180
185					38.2	37.1			41.2	38.9	37.4		43.9	41	38.4		185
190					37.3				40.1	38.3	37		42.9	40.2	37.9		190
195									39.1	37.6			41.9	39.4	37.5		195
200									38.3	37.1			40.9	38.7	37.1		200
205									37.4				39.9	38.1	36.8		205
210													38.9	37.5			210
215													38.2	37			215
220													37.4				220
225													30.3				225

* adapter - pièce d'adaptateur

maxt_198_211_02401_00_000

Lifting capacities Forces de levage

TYNZF 77 ft



Jib Length (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Jib Length (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
24	121.4																24
26	118.1																26
28	114.9				116.6												28
30	111.6				113.9				113								30
32	108.4				111.1				110.8				108.1				32
34	105.3				108.4				108.3				106				34
36	102.8				105.6				105.9				103.9				36
38	100.4	81.4			102.9				103.5				101.8				38
40	98	79.8			100.7				101				99.7				40
45	92	75.7			95.4	76.6			95.7	76.4			94.6				45
50	86.4	72.3	61.9		90.1	73.1			91.2	73.4			90.5	72.8			50
55	82.1	69.1	59.8		85.1	70.2	60		86.6	70.5			86.6	70			55
60	78	66	57.6		81.1	67.4	58		82.1	67.9	58.1		82.6	67.6	57.8		60
65	73.8	63.4	55.5		77.5	64.6	56.2		78.7	65.4	56.3		78.8	65.4	56.1		65
70	70.2	60.9	53.5	40.4	73.8	62.4	54.4		75.6	62.9	54.7		76	63.2	54.6		70
75	67.2	58.4	51.6	39.2	70.4	60.1	52.7	39.3	72.4	60.9	53.2	39.4	73.2	61.1	53.2		75
80	64.5	56.3	49.7	38.1	67.4	57.8	51.1	38.4	69.2	59	51.7	38.5	70.4	59.3	51.8	38.6	80
85	61.8	54.3	48.1	37.1	65	55.8	49.4	37.4	66.5	57	50.3	37.6	67.6	57.6	50.6	37.8	85
90	59.1	52.3	46.6	36.2	62.5	54.2	48	36.6	64.2	55.2	48.9	36.8	65.3	55.8	49.3	37	90
95	56.4	50.4	45.1	35.3	60.1	52.5	46.7	35.8	62.1	53.6	47.6	36.1	63.1	54.1	48.1	36.3	95
100	54.1	48.5	43.7	34.5	57.7	50.8	45.3	35	60	52.2	46.4	35.4	61.2	52.8	47	35.6	100
105	52.2	46.9	42.4	33.8	55.3	49.1	44	34.3	57.8	50.7	45.3	34.7	59.3	51.4	45.9	35	105
110	50.3	45.4	41.3	33.2	53.4	47.6	42.8	33.6	55.7	49.2	44.1	34.1	57.5	50.1	44.9	34.4	110
115	48.3	43.9	40.1	32.5	51.7	46.2	41.8	33	53.6	47.8	42.9	33.5	55.6	48.8	43.9	33.8	115
120	46.4	42.4	39	32	50.1	44.8	40.8	32.4	52.1	46.5	41.9	32.9	53.7	47.5	42.9	33.2	120
125	44.7	41.1	38.1	31.4	48.4	43.5	39.8	31.9	50.6	45.3	41	32.4	51.9	46.3	41.9	32.7	125
130	43.3	40.1	37.2	31	46.8	42.2	38.9	31.5	49.2	44.1	40.1	32	50.6	45.2	41.1	32.3	130
135	41.9	39	36.3	30.6	45.1	41	38	31	47.8	42.9	39.2	31.5	49.4	44.2	40.3	31.8	135
140	40.5	37.9	35.6	30.2	43.8	40	37.2	30.7	46.3	41.8	38.4	31.1	48.1	43.2	39.5	31.4	140
145	39.1	36.8	34.9	30	42.6	39.1	36.4	30.3	44.9	40.6	37.6	30.7	46.8	42.2	38.7	31	145
150	37.9	36	34.3		41.3	38.1	35.7	30	43.6	39.8	37	30.4	45.6	41.2	37.9	30.7	150
155	36.8	35.2	33.7		40	37.2	35.1	29.8	42.5	38.9	36.3	30.1	44.3	40.3	37.3	30.4	155
160	35.9	34.5	33.2		38.7	36.3	34.5	29.6	41.4	38.1	35.6	29.9	43.1	39.4	36.7	30.1	160
165	34.9	33.8	32.9		37.6	35.6	34		40.3	37.2	35.1	29.6	42.1	38.7	36.1	29.8	165
170	34	33.3	32.5		36.7	34.9	33.5		39.2	36.4	34.6	29.5	41.2	37.9	35.5	29.6	170
175	33.3	32.8			35.8	34.2	33.2		38.1	35.7	34.1		40.2	37.1	34.9	29.4	175
180	32.7	32.5			35	33.6	32.9		37.1	35.1	33.7		39.3	36.3	34.5	29.3	180
185	32.2				34.1	33.1	32.6		36.3	34.5	33.3		38.3	35.6	34.1		185
190					33.4	32.7			35.5	33.9	33		37.3	35.1	33.6		190
195					32.8	32.4			34.8	33.3	32.7		36.5	34.6	33.2		195
200					32.3				34	32.9	32.5		35.8	34	32.9		200
205									33.3	32.5			35.2	33.5	32.7		205
210									32.9	32.2			34.5	33	32.4		210
215									32.4				33.8	32.7	32.3		215
220									32				33.2	32.4			220
225													32.8	32.1			225
230													32.3	31.9			230
235													30.1				235

* adapter - pièce d'adaptateur

maxt_198_211_02501_00_000

Lifting capacities Forces de levage

TYNZF 89 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
26	104																26
28	101.3				101.3												28
30	98.6				98.9												30
32	95.8				96.7				96.3								32
34	93.1				94.5				94.2				92.2				34
36	90.5				92.2				92.2				90.6				36
38	88.4				90				90.2				89				38
40	86.4				87.7				88.1				87.3				40
45	81.4	66.3			83.2	66.6			83.4				83.2				45
50	76.4	63.1			78.9	63.8			79.4	63.7			79.5	63			50
55	72.2	60.3			74.6	61			75.6	61.2			76.1	60.7			55
60	68.8	57.6	50.1		70.7	58.6	50.1		71.8	58.7			72.8	58.4			60
65	65.3	55.1	48.2		67.6	56.3	48.5		68.3	56.6	48.5		69.5	56.4	48.2		65
70	62	52.9	46.5		64.6	54	46.9		65.7	54.5	47.1		66.5	54.6	46.9		70
75	59.1	50.9	44.9		61.5	52.1	45.5		63	52.5	45.7		64.2	52.7	45.6		75
80	56.6	48.8	43.3	32.9	58.7	50.2	44		60.4	50.9	44.4		61.8	51	44.4		80
85	54.3	47	41.7	32	56.2	48.4	42.7	32.1	57.8	49.2	43.1	32.2	59.4	49.5	43.2		85
90	52.1	45.4	40.2	31.1	54.3	46.7	41.4	31.3	55.5	47.6	41.9	31.5	57	48	42.1	31.5	90
95	49.8	43.8	39	30.3	52.3	45.2	40.1	30.5	53.6	46	40.8	30.8	55	46.6	41.1	30.8	95
100	47.6	42.1	37.8	29.5	50.3	43.9	38.9	29.8	51.8	44.7	39.7	30.1	53.2	45.1	40.1	30.2	100
105	45.5	40.5	36.5	28.8	48.3	42.5	37.8	29.2	50.1	43.5	38.7	29.5	51.6	44	39.1	29.6	105
110	44	39.1	35.3	28.1	46.3	41.1	36.7	28.5	48.3	42.3	37.7	28.8	50	42.9	38.2	29	110
115	42.4	37.9	34.4	27.5	44.6	39.8	35.6	27.9	46.5	41.1	36.7	28.3	48.5	41.8	37.3	28.5	115
120	40.8	36.6	33.4	27	43.2	38.6	34.7	27.4	44.7	39.9	35.7	27.7	46.9	40.7	36.4	28	120
125	39.2	35.4	32.5	26.4	41.8	37.4	33.8	26.9	43.3	38.7	34.7	27.2	45.3	39.6	35.6	27.5	125
130	37.6	34.2	31.6	26	40.4	36.3	32.9	26.4	42.1	37.7	34	26.8	43.7	38.5	34.7	27	130
135	36.4	33.2	30.9	25.5	39	35.2	32.1	25.9	40.9	36.7	33.2	26.3	42.6	37.5	34	26.6	135
140	35.2	32.3	30.2	25.1	37.7	34.1	31.3	25.5	39.7	35.7	32.5	25.9	41.5	36.7	33.3	26.2	140
145	34.1	31.4	29.4	24.8	36.4	33.2	30.7	25.1	38.6	34.7	31.7	25.5	40.4	35.8	32.6	25.8	145
150	32.9	30.5	28.8	24.4	35.4	32.4	30	24.8	37.4	33.8	31	25.2	39.3	35	31.9	25.4	150
155	31.8	29.7	28.2	24.2	34.3	31.6	29.4	24.5	36.2	32.9	30.4	24.9	38.2	34.1	31.2	25.1	155
160	30.7	29	27.7	24	33.3	30.7	28.8	24.2	35.3	32.1	29.8	24.6	37.1	33.3	30.6	24.8	160
165	29.9	28.4	27.2		32.3	29.9	28.3	24	34.3	31.4	29.3	24.3	36.1	32.5	30.1	24.5	165
170	29.1	27.7	26.8		31.2	29.2	27.8	23.9	33.4	30.7	28.7	24.1	35.2	31.9	29.6	24.3	170
175	28.3	27.1	26.5		30.3	28.6	27.4		32.5	30	28.2	23.9	34.4	31.2	29.1	24.1	175
180	27.6	26.7	26.2		29.6	28.1	26.9		31.6	29.3	27.8	23.7	33.5	30.6	28.5	23.8	180
185	26.9	26.3			28.9	27.5	26.6		30.7	28.7	27.4		32.7	29.9	28.1	23.7	185
190	26.4	25.9			28.2	26.9	26.3		29.9	28.2	27		31.9	29.3	27.7	23.6	190
195	25.9				27.5	26.5	26		29.2	27.7	26.6		31	28.7	27.3	23.5	195
200					26.9	26.2			28.6	27.2	26.4		30.3	28.2	27		200
205					26.4	25.9			27.9	26.7	26.2		29.6	27.8	26.6		205
210					25.9				27.3	26.3	25.9		29	27.3	26.4		210
215									26.7	26			28.4	26.9	26.2		215
220									26.3	25.7			27.8	26.4	26		220
225									25.9	25.6			27.2	26.2	25.8		225
230									25.6				26.7	25.9			230
235													26.3	25.6			235
240													25.9	25.4			240
245													25.6				245

* adapter - pièce d'adaptateur

maxt_198_211_02601_00_000

Lifting capacities Forces de levage

TYNZF 100 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
26	92.3																26
28	90.1																28
30	87.8				87.7												30
32	85.6				85.8												32
34	83.3				83.9				83.6								34
36	81				82				81.9				80.4				36
38	78.8				80.1				80.2				78.9				38
40	77				78.2				78.5				77.3				40
45	72.8	59.7			74				74.2				73.6				45
50	68.6	56.8			70.3	57			70.6				70				50
55	64.6	54.1			66.7	54.6			67.4	54.7			67	54.1			55
60	61.4	51.8			63.2	52.3			64.2	52.5			64.1	52.2			60
65	58.5	49.5	42.5		60.2	50.3	42.5		61	50.5			61.3	50.3			65
70	55.6	47.3	40.9		57.6	48.3	41.1		58.3	48.7	41.1		58.4	48.6	40.8		70
75	52.8	45.6	39.5		55.1	46.4	39.8		56.1	47	39.9		56.2	47	39.6		75
80	50.5	43.8	38.1		52.5	44.8	38.6		53.8	45.2	38.7		54.2	45.4	38.5		80
85	48.4	42	36.8		50.2	43.2	37.3		51.5	43.8	37.6		52.2	43.9	37.5		85
90	46.5	40.5	35.4	28.1	48.2	41.7	36.2	28.2	49.4	42.4	36.5		50.2	42.6	36.5		90
95	44.6	39.1	34.1	27.3	46.5	40.2	35.1	27.4	47.4	41	35.5	27.5	48.2	41.3	35.5	27.5	95
100	42.7	37.8	33	26.5	44.8	39	33.9	26.7	45.9	39.6	34.5	26.8	46.5	40.1	34.7	26.9	100
105	40.8	36.4	32	25.8	43.1	37.8	32.9	26	44.4	38.5	33.6	26.2	45	38.8	33.8	26.3	105
110	39.1	35	30.9	25.1	41.4	36.6	32	25.4	42.9	37.4	32.7	25.7	43.7	37.8	33	25.8	110
115	37.7	33.8	29.9	24.5	39.7	35.4	31	24.8	41.4	36.4	31.8	25.1	42.3	36.8	32.2	25.2	115
120	36.4	32.7	29	23.9	38.2	34.2	30.1	24.3	39.9	35.3	31	24.6	41	35.9	31.4	24.7	120
125	35	31.6	28.2	23.4	37	33.1	29.1	23.7	38.4	34.3	30.1	24.1	39.7	35	30.7	24.3	125
130	33.7	30.5	27.4	22.8	35.8	32.2	28.4	23.2	37.2	33.3	29.3	23.6	38.4	34	29.9	23.8	130
135	32.4	29.5	26.6	22.4	34.6	31.2	27.7	22.8	36.1	32.3	28.5	23.1	37	33.1	29.2	23.4	135
140	31.1	28.5	25.9	22	33.4	30.2	27	22.3	35	31.5	27.8	22.7	36	32.3	28.4	23	140
145	30.1	27.7	25.3	21.5	32.2	29.3	26.3	21.9	34	30.6	27.2	22.3	35	31.5	27.8	22.6	145
150	29.1	26.9	24.6	21.2	31.1	28.4	25.6	21.6	33	29.8	26.5	21.9	34.2	30.7	27.2	22.2	150
155	28.1	26.1	24	20.8	30.2	27.6	25.1	21.2	32	28.9	25.9	21.6	33.3	30	26.6	21.9	155
160	27.1	25.2	23.5	20.5	29.2	26.9	24.5	20.9	31	28.1	25.3	21.3	32.4	29.2	26.1	21.6	160
165	26.1	24.6	23	20.3	28.3	26.2	24	20.6	30.1	27.4	24.8	21	31.5	28.5	25.5	21.3	165
170	25.3	24	22.6	20.1	27.4	25.5	23.5	20.4	29.3	26.7	24.4	20.7	30.6	27.7	25	20.9	170
175	24.6	23.4	22.1		26.6	24.8	23	20.2	28.5	26.1	23.9	20.5	29.7	27.1	24.6	20.7	175
180	23.9	22.8	21.8		25.7	24.2	22.6	20	27.7	25.5	23.4	20.2	29	26.5	24.1	20.5	180
185	23.2	22.3	21.5		24.9	23.7	22.3		26.9	24.9	23	20.1	28.3	26	23.7	20.3	185
190	22.5	21.8	21.2		24.3	23.2	21.9		26.1	24.3	22.6	19.9	27.6	25.4	23.2	20.1	190
195	22	21.5			23.7	22.7	21.6		25.3	23.8	22.3	19.8	26.9	24.9	22.8	19.9	195
200	21.5	21.1			23	22.2	21.3		24.7	23.3	21.9		26.2	24.3	22.5	19.8	200
205	21				22.4	21.8	21.1		24.1	22.9	21.6		25.5	23.8	22.2	19.6	205
210					21.9	21.5	20.9		23.6	22.5	21.4		24.9	23.4	21.9		210
215					21.5	21.2			23	22	21.2		24.3	23	21.6		215
220					21.1				22.5	21.7	21		23.8	22.6	21.3		220
225					20.9				21.9	21.4	20.8		23.3	22.2	21.2		225
230									21.6	21.1			22.8	21.8	21		230
235									21.2	20.9			22.3	21.5	20.8		235
240									20.8				21.8	21.2	20.8		240
245													21.4	21			245
250													21.1	20.8			250
255													20.8				255
260													19.5				260

* adapter - pièce d'adaptateur

max1_198_211_02701_00_000

Lifting capacities Forces de levage

TYNZF 112 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
28	80																28
30	78.1																30
32	76.1				75.8												32
34	74.2				74.2												34
36	72.3				72.6				72.4								36
38	70.3				71				71				69.7				38
40	68.5				69.4				69.6				68.4				40
45	64.8				65.6				66				65.1				45
50	61.3	50.6			62.4				62.6				61.9				50
55	57.7	48.3			59.4	48.5			59.7				59.1				55
60	54.5	46.1			56.4	46.4			57	46.5			56.7	46.1			60
65	52	44.2			53.3	44.6			54.3	44.7			54.2	44.4			65
70	49.6	42.2	36.3		51.1	42.9			51.6	43			51.8	42.8			70
75	47.2	40.4	34.9		49	41.2	35		49.6	41.5	35		49.5	41.3			75
80	44.9	38.9	33.7		46.8	39.6	33.9		47.7	40	33.9		47.8	40	33.7		80
85	42.9	37.4	32.6		44.6	38.2	32.9		45.7	38.5	32.9		46.1	38.6	32.8		85
90	41.2	35.9	31.4		42.7	36.9	31.8		43.8	37.3	32		44.4	37.3	31.9		90
95	39.6	34.5	30.3	23.9	41	35.6	30.8		42.1	36.1	31		42.7	36.2	31		95
100	38	33.4	29.1	23.2	39.6	34.3	29.9	23.2	40.4	34.9	30.1		41.1	35.2	30.2		100
105	36.4	32.2	28.1	22.5	38.2	33.2	28.9	22.6	39.1	33.7	29.3	22.7	39.6	34.1	29.4	22.7	105
110	34.9	31	27.2	21.8	36.7	32.2	27.9	22	37.8	32.7	28.5	22.1	38.3	33	28.7	22.2	110
115	33.3	29.9	26.3	21.2	35.3	31.2	27.1	21.4	36.5	31.8	27.7	21.6	37.2	32.1	28	21.7	115
120	32.1	28.8	25.4	20.7	33.9	30.2	26.3	20.9	35.3	30.9	26.9	21.1	36	31.3	27.3	21.2	120
125	31	27.8	24.6	20.1	32.6	29.1	25.5	20.4	34	30	26.2	20.6	34.9	30.5	26.6	20.8	125
130	29.8	26.9	23.8	19.6	31.5	28.2	24.7	19.9	32.7	29.2	25.5	20.2	33.8	29.7	25.9	20.3	130
135	28.7	26	23.2	19.1	30.5	27.3	24	19.5	31.6	28.3	24.8	19.8	32.6	28.9	25.3	19.9	135
140	27.6	25	22.5	18.7	29.5	26.5	23.3	19	30.6	27.4	24	19.3	31.5	28.1	24.6	19.6	140
145	26.4	24.1	21.8	18.3	28.5	25.7	22.7	18.7	29.7	26.7	23.4	18.9	30.5	27.3	24	19.2	145
150	25.5	23.3	21.2	17.9	27.5	24.9	22.1	18.3	28.8	26	22.9	18.6	29.7	26.6	23.4	18.8	150
155	24.7	22.7	20.7	17.6	26.5	24	21.5	17.9	28	25.2	22.3	18.2	28.9	25.9	22.9	18.5	155
160	23.9	22	20.2	17.2	25.6	23.3	20.9	17.6	27.1	24.5	21.8	17.9	28.2	25.3	22.4	18.2	160
165	23	21.4	19.6	17	24.8	22.6	20.5	17.3	26.2	23.7	21.2	17.6	27.4	24.6	21.8	17.8	165
170	22.2	20.7	19.2	16.7	24	22	20	17	25.4	23	20.7	17.3	26.6	24	21.3	17.6	170
175	21.4	20.1	18.8	16.5	23.3	21.5	19.6	16.8	24.7	22.5	20.3	17.1	25.9	23.4	20.9	17.3	175
180	20.7	19.6	18.4	16.3	22.5	20.9	19.1	16.5	24	21.9	19.9	16.8	25.1	22.7	20.4	17.1	180
185	20.1	19.1	18		21.8	20.3	18.7	16.3	23.3	21.4	19.4	16.6	24.4	22.2	20.1	16.8	185
190	19.5	18.6	17.6		21.1	19.7	18.4	16.2	22.7	20.9	19	16.4	23.8	21.8	19.7	16.6	190
195	19	18.2	17.4		20.4	19.3	18.1	16	22	20.3	18.6	16.2	23.2	21.3	19.3	16.4	195
200	18.4	17.8	17.2		19.9	18.9	17.7		21.3	19.8	18.3	16.1	22.6	20.8	18.9	16.2	200
205	17.9	17.5	17		19.4	18.4	17.4		20.6	19.4	18	16	22	20.3	18.5	16.1	205
210	17.5	17.2			18.8	18	17.2		20.1	19	17.8		21.4	19.8	18.3	16	210
215	17.1				18.3	17.7	17		19.6	18.6	17.5		20.8	19.4	18	15.9	215
220					17.9	17.4	16.9		19.1	18.2	17.2		20.2	19	17.7		220
225					17.5	17.1			18.7	17.8	17.1		19.8	18.7	17.5		225
230					17.2	16.9			18.2	17.5	16.9		19.3	18.3	17.2		230
235					16.8				17.7	17.3	16.7		18.9	18	17.1		235
240									17.4	17			18.5	17.6	16.9		240
245									17.1	16.8			18	17.4	16.7		245
250									16.8				17.6	17.2	16.7		250
255													17.3	17			255
260													17.1	16.8			260
265													16.8				265
270													16.6				270

* adapter - pièce d'adaptateur

max1_198_211_02801_00_000

Lifting capacities Forces de levage

TYNZF 123 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
30	69.4																30
32	67.8				67.1												32
34	66.2				65.6												34
36	64.5				64.3												36
38	62.9				63				62.9								38
40	61.3				61.7				61.7				61.5				40
45	57.8				58.4				58.7				58.8				45
50	54.9				55.5				55.8				56.1				50
55	51.9	43.4			52.9				53.1				53.5				55
60	49	41.4			50.4	41.5			50.8	41.4			51.3				60
65	46.5	39.5			47.8	39.8			48.6	39.9			49.2	39.5			65
70	44.5	37.9			45.6	38.2			46.4	38.3			47.1	38.1			70
75	42.5	36.3	31.3		43.7	36.8			44.3	37			45	36.7			75
80	40.4	34.8	30.1		41.9	35.4	30.8		42.6	35.7	30.9		43.2	35.5			80
85	38.5	33.5	29.1		40	34	29.7		41	34.4	29.9		41.7	34.3	29.9		85
90	36.8	32.3	28.1		38.2	32.9	28.8		39.4	33.2	29		40.2	33.2	29.1		90
95	35.4	31	27.1		36.6	31.8	27.8		37.8	32.1	28.1		38.7	32.1	28.3		95
100	34.1	29.8	26.1		35.2	30.6	27		36.3	31	27.3		37.1	31.1	27.5		100
105	32.7	28.8	25.1	20	34	29.5	26.1		34.8	30	26.5		35.8	30.2	26.7		105
110	31.4	27.8	24.1	19.3	32.8	28.5	25.3	19.4	33.8	29	25.8	19.5	34.6	29.3	26.1		110
115	30.1	26.8	23.3	18.8	31.6	27.7	24.4	18.9	32.7	28.1	25.1	19	33.5	28.4	25.4	19	115
120	28.7	25.8	22.6	18.2	30.4	26.8	23.7	18.3	31.6	27.3	24.3	18.5	32.5	27.5	24.8	18.5	120
125	27.7	24.8	21.8	17.7	29.2	26	23	17.8	30.4	26.6	23.6	18	31.4	26.8	24.1	18.1	125
130	26.7	23.9	21.1	17.2	28	25.1	22.2	17.4	29.3	25.8	23	17.6	30.4	26.2	23.5	17.7	130
135	25.7	23.1	20.3	16.7	27	24.2	21.5	16.9	28.2	25	22.4	17.1	29.4	25.5	22.9	17.3	135
140	24.7	22.3	19.8	16.3	26.1	23.4	20.8	16.5	27.2	24.3	21.7	16.8	28.3	24.8	22.3	16.9	140
145	23.8	21.6	19.2	15.9	25.3	22.7	20.2	16.1	26.4	23.5	21.1	16.4	27.3	24.1	21.7	16.5	145
150	22.8	20.8	18.6	15.5	24.4	22	19.6	15.8	25.6	22.9	20.5	16	26.5	23.4	21.2	16.2	150
155	21.9	20	18	15.1	23.6	21.3	19.1	15.4	24.8	22.2	20	15.7	25.8	22.8	20.6	15.9	155
160	21.1	19.3	17.5	14.8	22.7	20.6	18.5	15.1	24.1	21.6	19.4	15.4	25.1	22.2	20.1	15.5	160
165	20.4	18.8	17.1	14.5	21.9	19.9	18	14.8	23.3	20.9	19	15.1	24.4	21.6	19.6	15.3	165
170	19.7	18.2	16.6	14.2	21.2	19.3	17.5	14.5	22.6	20.3	18.5	14.8	23.7	21.1	19.2	15	170
175	19.1	17.6	16.1	14	20.5	18.8	17.1	14.2	21.8	19.6	18	14.5	23	20.5	18.7	14.7	175
180	18.4	17.1	15.7	13.7	19.9	18.2	16.7	14	21.2	19.1	17.6	14.2	22.3	19.9	18.2	14.5	180
185	17.7	16.6	15.4	13.5	19.2	17.7	16.3	13.8	20.6	18.6	17.2	14	21.7	19.4	17.8	14.2	185
190	17.1	16.1	15.1	13.4	18.6	17.2	15.9	13.6	20	18.1	16.8	13.8	21	18.8	17.4	14	190
195	16.6	15.7	14.7		18	16.7	15.5	13.4	19.4	17.7	16.5	13.6	20.5	18.4	17.1	13.8	195
200	16.1	15.3	14.4		17.3	16.2	15.2	13.2	18.8	17.2	16.1	13.4	19.9	18	16.7	13.6	200
205	15.6	14.9	14.2		16.8	15.9	14.9	13.1	18.2	16.7	15.7	13.3	19.4	17.6	16.4	13.5	205
210	15.1	14.6	14		16.4	15.5	14.6		17.6	16.3	15.5	13.1	18.9	17.1	16	13.3	210
215	14.7	14.3	13.8		15.9	15.1	14.3		17	15.9	15.2	13	18.3	16.7	15.7	13.2	215
220	14.3	14			15.4	14.8	14.2		16.6	15.6	14.9		17.8	16.3	15.5	13	220
225	14	13.8			15	14.5	14		16.2	15.2	14.7		17.3	15.9	15.2	13	225
230	13.8				14.6	14.2	13.8		15.8	14.9	14.4		16.8	15.6	15		230
235					14.3	14			15.4	14.6	14.3		16.4	15.3	14.7		235
240					14	13.8			15	14.3	14.1		16	15	14.5		240
245					13.7				14.6	14.1	14		15.6	14.7	14.3		245
250									14.3	13.9			15.2	14.4	14.2		250
255									14	13.7			14.8	14.2	14		255
260									13.7				14.5	14	13.9		260
265									13.5				14.2	13.8			265
270													14	13.6			270
275													13.7	13.5			275
280													13.5				280

* adapter - pièce d'adaptateur

maxt_198_211_02901_00_000

Lifting capacities Forces de levage

TYNZF 135 ft



Jib Length (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Jib Length (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
32	60.9																32
34	59.7				59.4												34
36	58.4				58.3												36
38	57.1				57.2				56.8								38
40	55.8				56.1				55.9								40
45	52.7				53.2				53.4				52.6				45
50	50.1				50.5				50.8				50.2				50
55	47.5				48.2				48.4				47.9				55
60	45	37.3			46	37.1			46.3				45.8				60
65	42.5	35.6			43.8	35.6			44.3	35.6			44				65
70	40.6	34.1			41.6	34.2			42.3	34.3			42.2	34			70
75	38.8	32.6			39.7	32.9			40.3	33			40.4	32.7			75
80	37.1	31.2	27.7		38.2	31.6			38.6	31.8			38.6	31.6			80
85	35.3	29.9	26.7		36.6	30.4	26.7		37.1	30.7			37.1	30.5			85
90	33.7	28.8	25.7		35	29.2	25.8		35.7	29.5	25.9		35.8	29.5	25.7		90
95	32.2	27.7	24.8		33.5	28.2	25		34.3	28.5	25		34.6	28.5	24.9		95
100	31	26.7	24		32	27.3	24.2		32.9	27.5	24.3		33.3	27.6	24.2		100
105	29.8	25.6	23.1		30.8	26.3	23.4		31.6	26.7	23.6		32	26.7	23.5		105
110	28.7	24.7	22.3		29.8	25.3	22.7		30.3	25.8	22.9		30.8	25.9	22.9		110
115	27.5	23.8	21.4	16.4	28.7	24.5	22	16.5	29.4	24.9	22.2		29.7	25.1	22.3		115
120	26.3	23	20.6	15.9	27.5	23.7	21.2	15.9	28.4	24	21.6	16	28.8	24.3	21.7		120
125	25.1	22.1	19.9	15.4	26.4	22.9	20.5	15.4	27.5	23.4	21	15.6	27.9	23.6	21.1	15.6	125
130	24.1	21.3	19.2	14.9	25.4	22.2	19.9	15	26.5	22.7	20.3	15.1	27.1	22.9	20.6	15.2	130
135	23.3	20.5	18.6	14.4	24.3	21.5	19.2	14.6	25.6	22.1	19.7	14.7	26.2	22.3	20	14.8	135
140	22.4	19.7	17.9	14	23.5	20.7	18.6	14.2	24.6	21.4	19.2	14.3	25.3	21.7	19.5	14.4	140
145	21.5	19	17.3	13.6	22.7	20	18	13.8	23.7	20.7	18.6	14	24.5	21.1	19	14.1	145
150	20.7	18.3	16.7	13.2	21.9	19.3	17.4	13.4	22.9	20.1	18	13.6	23.6	20.5	18.5	13.7	150
155	19.8	17.7	16.2	12.9	21.2	18.7	16.9	13	22.2	19.4	17.5	13.3	22.8	19.9	17.9	13.4	155
160	18.9	17	15.7	12.5	20.4	18.1	16.4	12.7	21.5	18.9	16.9	13	22.2	19.3	17.4	13.1	160
165	18.2	16.3	15.2	12.2	19.7	17.4	15.9	12.4	20.9	18.3	16.5	12.7	21.5	18.7	16.9	12.8	165
170	17.6	15.8	14.7	11.9	18.9	16.8	15.4	12.1	20.2	17.7	16	12.4	21	18.3	16.5	12.5	170
175	17	15.3	14.3	11.6	18.2	16.2	15	11.9	19.6	17.2	15.6	12.1	20.4	17.8	16.1	12.3	175
180	16.3	14.8	13.9	11.4	17.6	15.7	14.6	11.6	18.9	16.6	15.1	11.8	19.8	17.3	15.7	12	180
185	15.7	14.3	13.5	11.1	17.1	15.3	14.2	11.4	18.3	16	14.7	11.6	19.2	16.8	15.3	11.8	185
190	15	13.8	13.1	10.9	16.5	14.8	13.8	11.2	17.7	15.6	14.4	11.4	18.7	16.3	14.9	11.6	190
195	14.4	13.3	12.8	10.8	15.9	14.4	13.5	11	17.2	15.1	14	11.2	18.1	15.8	14.5	11.4	195
200	14	13	12.5	10.6	15.3	13.9	13.1	10.8	16.6	14.7	13.7	11	17.6	15.4	14.2	11.2	200
205	13.5	12.6	12.2	10.5	14.8	13.5	12.8	10.6	16.1	14.3	13.4	10.8	17.1	15	13.9	11	205
210	13	12.3	11.9		14.2	13.1	12.5	10.5	15.6	13.9	13	10.6	16.6	14.6	13.6	10.8	210
215	12.6	11.9	11.7		13.8	12.8	12.2	10.4	15.1	13.5	12.7	10.5	16.1	14.2	13.3	10.7	215
220	12.1	11.6	11.5		13.4	12.5	11.9		14.5	13.1	12.5	10.4	15.6	13.9	12.9	10.5	220
225	11.8	11.4	11.3		13	12.1	11.7		14	12.8	12.2	10.3	15.2	13.5	12.7	10.4	225
230	11.5	11.2			12.6	11.8	11.5		13.7	12.5	12		14.7	13.1	12.4	10.3	230
235	11.2	11			12.2	11.5	11.3		13.3	12.2	11.7		14.2	12.8	12.2	10.2	235
240	10.9				11.9	11.3	11.2		12.9	11.9	11.5		13.8	12.5	12	10.1	240
245					11.6	11.1			12.6	11.6	11.4		13.4	12.3	11.8		245
250					11.3	10.9			12.2	11.4	11.2		13.1	12	11.6		250
255					11				11.8	11.2	11.1		12.8	11.7	11.4		255
260									11.6	11			12.4	11.5	11.3		260
265									11.3	10.8			12.1	11.3	11.1		265
270									11.1	10.7			11.8	11.1	11		270
275									10.9				11.5	10.9			275
280													11.3	10.8			280
285													11	10.7			285
290													10.8				290

* adapter - pièce d'adaptateur

maxt_198_211_03001_00_000

Lifting capacities Forces de levage

TYNZF 146 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
32	55.6																32
34	54.4																34
36	53.2				52.4												36
38	52				51.4												38
40	50.8				50.4				50.2								40
45	47.8				48				48				47.4				45
50	45.3				45.5				45.8				45.3				50
55	43.1				43.4				43.6				43.2				55
60	40.9	33.8			41.5				41.7				41.3				60
65	38.7	32.3			39.7	32.2			40				39.6				65
70	36.7	30.9			37.8	30.9			38.2	31.1			38.1	31.1			70
75	35.2	29.6			36	29.7			36.5	30.1			36.5	30			75
80	33.7	28.4			34.5	28.7			34.8	28.9			34.9	28.9			80
85	32.1	27.1	24.1		33.1	27.7			33.4	27.9			33.5	27.9			85
90	30.6	26	23.2		31.7	26.7	23.2		32.2	26.8			32.2	27			90
95	29.2	25.1	22.4		30.4	25.7	22.4		31	25.8	22.4		31.1	26	22.3		95
100	28	24.1	21.6		29.1	24.7	21.7		29.7	24.9	21.8		30	25.1	21.6		100
105	27	23.2	20.9		27.8	23.9	21		28.5	24.1	21.1		28.9	24.3	21		105
110	26	22.2	20.1		26.8	23	20.4		27.3	23.3	20.4		27.7	23.5	20.4		110
115	25	21.4	19.4		25.9	22.1	19.7		26.3	22.5	19.8		26.7	22.8	19.8		115
120	24	20.7	18.6		25	21.3	19		25.5	21.7	19.2		25.7	22.1	19.2		120
125	23	19.9	17.8	13.7	24	20.7	18.4	13.7	24.7	20.9	18.7		24.9	21.3	18.7		125
130	21.9	19.2	17.2	13.2	23.1	20	17.7	13.2	23.8	20.3	18.1	13.3	24.2	20.7	18.2	13.3	130
135	21	18.4	16.6	12.7	22.2	19.3	17.1	12.8	23	19.7	17.5	12.9	23.4	20.1	17.7	12.9	135
140	20.2	17.7	16	12.3	21.3	18.7	16.6	12.4	22.2	19.2	17	12.5	22.7	19.5	17.2	12.6	140
145	19.5	17	15.4	11.9	20.5	18	16	12	21.3	18.6	16.5	12.1	21.9	19	16.8	12.2	145
150	18.7	16.4	14.8	11.5	19.7	17.4	15.5	11.7	20.5	18	16	11.8	21.2	18.4	16.3	11.9	150
155	18	15.8	14.3	11.2	19.1	16.7	14.9	11.3	19.8	17.4	15.5	11.5	20.4	17.9	15.8	11.6	155
160	17.2	15.2	13.8	10.8	18.4	16.2	14.4	11	19.2	16.8	15	11.2	19.7	17.3	15.4	11.3	160
165	16.5	14.6	13.4	10.5	17.8	15.6	14	10.7	18.6	16.3	14.5	10.9	19.1	16.8	14.9	11	165
170	15.8	14	12.9	10.2	17.1	15.1	13.6	10.4	18	15.8	14	10.6	18.5	16.3	14.4	10.7	170
175	15.2	13.4	12.5	9.9	16.4	14.5	13.1	10.1	17.4	15.3	13.6	10.3	18	15.8	14	10.5	175
180	14.6	13	12.1	9.7	15.8	13.9	12.7	9.9	16.9	14.8	13.2	10.1	17.5	15.4	13.6	10.2	180
185	14.1	12.6	11.7	9.5	15.2	13.4	12.3	9.7	16.3	14.3	12.8	9.9	17	14.9	13.3	10	185
190	13.6	12.1	11.4	9.3	14.7	13	11.9	9.5	15.7	13.8	12.5	9.6	16.5	14.5	12.9	9.8	190
195	13	11.7	11	9.1	14.2	12.6	11.6	9.3	15.2	13.3	12.1	9.5	16	14	12.6	9.6	195
200	12.5	11.3	10.7	9	13.7	12.2	11.3	9.1	14.7	12.9	11.8	9.3	15.5	13.6	12.2	9.4	200
205	11.9	10.9	10.4	8.8	13.2	11.8	11	9	14.2	12.5	11.5	9.1	15	13.2	11.9	9.3	205
210	11.5	10.6	10.1	8.7	12.7	11.4	10.6	8.8	13.7	12.1	11.2	9	14.5	12.8	11.6	9.1	210
215	11.2	10.3	9.9	8.6	12.2	11	10.4	8.7	13.3	11.8	10.9	8.9	14.1	12.5	11.3	9	215
220	10.8	10	9.6		11.7	10.7	10.1	8.6	12.8	11.4	10.6	8.7	13.7	12.1	11.1	8.9	220
225	10.4	9.7	9.4		11.4	10.4	9.9	8.5	12.4	11	10.3	8.6	13.3	11.8	10.8	8.8	225
230	10	9.4	9.3		11	10.1	9.7		11.9	10.7	10.1	8.5	12.9	11.4	10.5	8.7	230
235	9.6	9.2	9.1		10.7	9.9	9.5		11.5	10.4	9.9	8.5	12.4	11.1	10.2	8.6	235
240	9.4	9.1			10.3	9.6	9.3		11.1	10.2	9.7	8.4	12	10.8	10	8.5	240
245	9.2	8.9			10	9.3	9.2		10.8	10	9.5		11.6	10.5	9.9	8.4	245
250	9				9.6	9.2	9.1		10.5	9.7	9.4		11.2	10.3	9.7	8.4	250
255					9.4	9.1	9		10.2	9.5	9.2		10.9	10.1	9.5		255
260					9.2	8.9			9.9	9.3	9.1		10.6	9.8	9.4		260
265					9				9.6	9.1	9		10.4	9.6	9.2		265
270					8.9				9.4	9	8.9		10.1	9.4	9.1		270
275									9.2	8.9			9.8	9.2	9		275
280									9	8.8			9.5	9.1	8.9		280
285									8.9				9.3	8.9	8.9		285
290													9.1	8.8			290
295													9	8.7			295
300													8.8				300
305													8.7				305

* adapter - pièce d'adaptateur

maxt_198_211_03101_00_000

Lifting capacities Forces de levage

TYNZF 157 ft



↙	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				↘
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
34	49																34
36	47.9																36
38	46.9				46.1												38
40	45.9				45.2												40
45	43.3				43.1				43				42.5				45
50	40.9				41				41.1				40.7				50
55	39				39				39.2				38.9				55
60	37				37.3				37.4				37.1				60
65	35.1	30.1			35.7				35.9				35.5				65
70	33.3	28.7			34.1	28.7			34.4				34.1				70
75	31.7	27.4			32.4	27.5			32.9	27.5			32.7	27.2			75
80	30.4	26.3			31	26.5			31.4	26.5			31.4	26.3			80
85	29	25.2			29.7	25.4			30	25.5			30	25.3			85
90	27.7	24.2	20.8		28.5	24.5			28.8	24.6			28.8	24.4			90
95	26.4	23.2	20		27.3	23.5	19.9		27.7	23.7			27.7	23.6			95
100	25.2	22.3	19.2		26.2	22.6	19.3		26.7	22.8	19.2		26.8	22.8	19.1		100
105	24.1	21.4	18.6		25	21.8	18.6		25.6	22	18.6		25.8	22	18.5		105
110	23.2	20.6	17.9		23.9	21.1	18		24.5	21.2	18		24.8	21.3	17.9		110
115	22.3	19.7	17.2		23.1	20.3	17.4		23.4	20.6	17.5		23.8	20.6	17.4		115
120	21.5	19	16.6		22.3	19.5	16.8		22.6	19.9	16.9		22.9	19.9	16.9		120
125	20.6	18.3	15.9		21.5	18.8	16.2		21.9	19.2	16.4		22	19.3	16.4		125
130	19.7	17.6	15.2	11.4	20.6	18.2	15.7		21.1	18.5	15.9		21.4	18.7	15.9		130
135	18.8	17	14.6	11	19.9	17.6	15.1	11	20.4	17.9	15.4		20.7	18	15.5		135
140	18	16.3	14.1	10.5	19.1	17	14.5	10.6	19.7	17.4	14.8	10.7	20	17.5	15	10.6	140
145	17.3	15.6	13.5	10.2	18.3	16.4	14	10.2	19	16.8	14.3	10.3	19.4	17	14.6	10.3	145
150	16.6	15	13	9.8	17.5	15.8	13.5	9.9	18.2	16.3	13.9	10	18.7	16.5	14.2	10	150
155	16	14.4	12.5	9.5	16.9	15.2	13	9.6	17.5	15.8	13.4	9.7	18.1	16.1	13.7	9.7	155
160	15.3	13.8	12	9.2	16.3	14.6	12.6	9.3	16.9	15.2	13	9.4	17.4	15.6	13.3	9.5	160
165	14.6	13.3	11.5	9	15.7	14.1	12.1	9.1	16.3	14.7	12.6	9.2	16.8	15.1	12.9	9.3	165
170	14	12.8	11.1	8.7	15.1	13.6	11.7	8.8	15.8	14.2	12.1	9	16.2	14.6	12.5	9	170
175	13.4	12.2	10.7	8.5	14.5	13.1	11.2	8.6	15.2	13.7	11.7	8.7	15.7	14.2	12	8.8	175
180	12.8	11.7	10.3	8.3	13.9	12.6	10.9	8.4	14.7	13.3	11.3	8.5	15.2	13.7	11.6	8.6	180
185	12.3	11.3	9.9	8	13.3	12.1	10.5	8.2	14.2	12.8	11	8.3	14.8	13.3	11.3	8.4	185
190	11.8	10.9	9.6	7.9	12.8	11.6	10.1	8	13.7	12.4	10.6	8.1	14.3	12.9	11	8.2	190
195	11.3	10.5	9.4	7.7	12.3	11.2	9.7	7.8	13.2	11.9	10.3	8	13.9	12.5	10.6	8.1	195
200	10.9	10.1	9.1	7.5	11.9	10.8	9.5	7.7	12.7	11.5	9.9	7.8	13.4	12.1	10.3	7.9	200
205	10.4	9.7	8.8	7.3	11.4	10.5	9.3	7.5	12.2	11.1	9.6	7.6	12.9	11.7	10	7.8	205
210	9.9	9.4	8.6	7.2	11	10.1	9	7.4	11.8	10.7	9.4	7.5	12.5	11.3	9.7	7.6	210
215	9.5	9	8.4	7.1	10.6	9.8	8.8	7.2	11.4	10.4	9.2	7.3	12.1	10.9	9.4	7.5	215
220	9.2	8.8	8.2	7	10.2	9.5	8.6	7.1	11	10.1	9	7.2	11.7	10.6	9.2	7.4	220
225	8.9	8.6	8	6.9	9.7	9.1	8.4	7	10.6	9.8	8.7	7.1	11.3	10.3	9.1	7.2	225
230	8.6	8.3	7.8		9.3	8.9	8.2	6.9	10.2	9.5	8.5	7	11	10	8.9	7.1	230
235	8.4	8.1	7.6		9	8.7	8	6.8	9.8	9.2	8.3	6.9	10.6	9.8	8.7	7	235
240	8.1	7.9	7.5		8.8	8.4	7.8	6.8	9.5	8.9	8.2	6.8	10.3	9.5	8.5	6.9	240
245	7.8	7.7	7.4		8.5	8.2	7.7		9.1	8.7	8	6.7	9.9	9.2	8.3	6.8	245
250	7.6	7.5	7.3		8.3	8	7.5		8.9	8.5	7.8	6.7	9.6	8.9	8.1	6.7	250
255	7.4	7.4			8	7.8	7.4		8.6	8.3	7.7		9.2	8.7	8	6.7	255
260	7.2				7.8	7.6	7.3		8.4	8.1	7.5		8.9	8.5	7.9	6.6	260
265					7.6	7.5	7.2		8.2	7.9	7.4		8.7	8.3	7.7		265
270					7.4	7.4			8	7.7	7.3		8.5	8.2	7.6		270
275					7.2	7.2			7.7	7.6	7.2		8.3	8	7.4		275
280					7.1				7.5	7.5	7.1		8.1	7.8	7.3		280
285									7.4	7.3			7.9	7.6	7.3		285
290									7.2	7.2			7.7	7.5	7.2		290
295									7.1				7.5	7.4	7.1		295
300													7.4	7.3			300
305													7.2	7.2			305
310													7.1				310
315													7				315

* adapter - pièce d'adaptateur

maxt_198_211_03201_00_000

Lifting capacities Forces de levage

TYNZF 169 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				Height (ft)
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
36	43.3																36
38	42.4				41.5												38
40	41.5				40.8												40
45	39.3				38.9				38.7								45
50	37.1				37.1				37.1				36.7				50
55	35.3				35.3				35.5				35.1				55
60	33.7				33.8				33.9				33.6				60
65	32				32.4				32.5				32.1				65
70	30.4	26.3			30.9				31.2				30.9				70
75	28.8	25.2			29.6	25			29.9				29.7				75
80	27.6	24			28.1	24.1			28.6	24.1			28.5	23.8			80
85	26.4	23.1			26.9	23.1			27.3	23.2			27.3	23			85
90	25.3	22.1			25.9	22.3			26.1	22.3			26.1	22.1			90
95	24.2	21.2			24.9	21.4			25.1	21.5			25.1	21.4			95
100	23	20.3	17.6		23.8	20.6	17.5		24.2	20.8			24.2	20.7			100
105	22	19.6	16.9		22.8	19.8	16.9		23.3	20	16.8		23.4	19.9			105
110	21.1	18.8	16.3		21.8	19.1	16.3		22.3	19.3	16.3		22.5	19.2	16.2		110
115	20.3	18.1	15.7		20.9	18.4	15.8		21.4	18.6	15.8		21.6	18.6	15.7		115
120	19.5	17.4	15.1		20.2	17.8	15.2		20.5	18	15.2		20.8	18	15.2		120
125	18.8	16.7	14.5		19.4	17.1	14.7		19.8	17.4	14.8		20	17.4	14.7		125
130	18	16.1	13.9		18.7	16.5	14.2		19.1	16.8	14.3		19.2	16.9	14.3		130
135	17.2	15.5	13.3		18	15.9	13.7		18.5	16.2	13.8		18.7	16.3	13.8		135
140	16.5	14.9	12.7	9.5	17.3	15.4	13.1		17.8	15.6	13.4		18.1	15.8	13.4		140
145	15.7	14.3	12.2	9.2	16.6	14.8	12.6	9.2	17.2	15.1	12.9	9.2	17.5	15.2	13		145
150	15.1	13.7	11.7	8.9	15.9	14.3	12.2	8.9	16.6	14.7	12.4	8.9	16.9	14.8	12.6	8.9	150
155	14.5	13.1	11.3	8.6	15.3	13.8	11.7	8.7	15.9	14.2	12	8.7	16.3	14.4	12.2	8.7	155
160	13.9	12.5	10.8	8.3	14.6	13.2	11.3	8.4	15.3	13.7	11.6	8.5	15.7	14	11.8	8.5	160
165	13.3	12	10.3	8.1	14.1	12.7	10.8	8.2	14.7	13.3	11.2	8.2	15.2	13.5	11.5	8.3	165
170	12.7	11.6	9.9	7.8	13.6	12.2	10.4	7.9	14.1	12.8	10.8	8	14.6	13.1	11.1	8.1	170
175	12.2	11.1	9.6	7.6	13.1	11.8	10	7.7	13.6	12.3	10.4	7.8	14.1	12.7	10.7	7.9	175
180	11.6	10.6	9.3	7.4	12.6	11.4	9.7	7.5	13.2	11.9	10	7.6	13.6	12.3	10.4	7.7	180
185	11.1	10.1	9	7.2	12	10.9	9.4	7.3	12.7	11.5	9.7	7.4	13.2	11.9	10	7.5	185
190	10.6	9.7	8.7	7	11.5	10.5	9.1	7.1	12.2	11.1	9.4	7.2	12.8	11.5	9.7	7.3	190
195	10.2	9.4	8.4	6.8	11	10.1	8.8	6.9	11.8	10.7	9.2	7.1	12.3	11.2	9.4	7.1	195
200	9.9	9.1	8.2	6.6	10.6	9.7	8.6	6.7	11.3	10.3	8.9	6.9	11.9	10.8	9.1	7	200
205	9.5	8.8	7.9	6.5	10.2	9.3	8.3	6.6	10.9	9.9	8.6	6.7	11.5	10.5	8.9	6.8	205
210	9.1	8.5	7.7	6.3	9.9	9	8.1	6.4	10.5	9.5	8.4	6.6	11.1	10.1	8.7	6.7	210
215	8.7	8.2	7.5	6.2	9.5	8.8	7.9	6.3	10.1	9.2	8.2	6.4	10.7	9.8	8.4	6.5	215
220	8.4	7.9	7.2	6.1	9.2	8.5	7.6	6.2	9.8	8.9	8	6.3	10.3	9.4	8.2	6.4	220
225	8	7.7	7.1	5.9	8.9	8.3	7.4	6	9.5	8.7	7.8	6.2	10	9.1	8	6.3	225
230	7.8	7.4	6.9	5.8	8.5	8	7.2	5.9	9.2	8.5	7.6	6.1	9.7	8.9	7.8	6.2	230
235	7.5	7.2	6.7	5.7	8.2	7.7	7	5.8	8.9	8.2	7.4	5.9	9.4	8.6	7.6	6	235
240	7.3	7	6.6		7.9	7.5	6.9	5.7	8.6	8	7.2	5.8	9.1	8.4	7.5	5.9	240
245	7.1	6.8	6.4		7.6	7.3	6.7	5.6	8.3	7.8	7	5.7	8.9	8.2	7.3	5.8	245
250	6.8	6.6	6.3		7.4	7.1	6.6	5.6	8	7.5	6.9	5.7	8.6	8	7.1	5.7	250
255	6.6	6.5	6.2		7.2	6.9	6.4		7.7	7.3	6.7	5.6	8.3	7.7	7	5.6	255
260	6.4	6.3	6		7	6.7	6.3		7.5	7.2	6.6	5.5	8	7.5	6.8	5.6	260
265	6.2	6.2			6.7	6.6	6.2		7.3	7	6.4		7.8	7.3	6.7	5.5	265
270	6.1	6.1			6.5	6.4	6.1		7.1	6.8	6.3		7.5	7.2	6.6	5.5	270
275	5.9				6.3	6.3	6		6.9	6.6	6.2		7.3	7	6.4		275
280					6.2	6.2			6.7	6.5	6.1		7.1	6.9	6.3		280
285					6	6			6.5	6.3	6		6.9	6.7	6.2		285
290					5.9				6.3	6.2	6		6.8	6.5	6.1		290
295									6.2	6.1			6.6	6.4	6		295
300									6	6			6.4	6.3	6		300
305									5.9				6.2	6.2	5.9		305
310									5.8				6.1	6			310
315													6	6			315
320													5.9	5.9			320
325													5.8				325

* adapter - pièce d'adaptateur

max_198_211_03301_00_000

Lifting capacities Forces de levage

TYNZF 180 ft



Height (ft)	107 ft + 9 ft*				125 ft + 9 ft*				143 ft + 9 ft*				161 ft + 9 ft*				164 ft + 9 ft*				167 ft + 9 ft*				171 ft + 9 ft*				
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	
38	38.3																											38	
40	37.5				36.6																							40	
45	35.6				35				34.7																			45	
50	33.7				33.5				33.3				33				32.7				32.5							50	
55	31.9				31.8				32				31.6			31.4				31.2				31.1				55	
60	30.4				30.4				30.6				30.2			30				29.9				29.8				60	
65	29				29.1				29.2				28.9			28.7				28.6				28.5				65	
70	27.6				27.9				28				27.6			27.5				27.4				27.3				70	
75	26.2	22.7			26.6	22.5			26.9				26.6			26.4				26.3				26.2				75	
80	24.9	21.7			25.4	21.6			25.7	21.5			25.5			25.4				25.3				25.3				80	
85	23.8	20.7			24.2	20.7			24.6	20.8			24.5	20.5		24.4	20.4			24.3	20.3			24.3	20.2			85	
90	22.8	19.9			23.2	19.9			23.5	20			23.4	19.8		23.4	19.7			23.3	19.6			23.3	19.6			90	
95	21.8	19.1			22.3	19.2			22.5	19.2			22.4	19		22.4	19			22.3	18.9			22.3	18.9			95	
100	20.8	18.2			21.4	18.4			21.7	18.5			21.5	18.3		21.5	18.3			21.4	18.2			21.4	18.2			100	
105	19.8	17.5	15		20.5	17.7			20.8	17.8			20.8	17.7		20.7	17.7			20.7	17.6			20.6	17.6			105	
110	18.9	16.8	14.4		19.6	17	14.4		20	17.2	14.3		20	17.1		20	17.1			19.9	17			19.9	17			110	
115	18.1	16.1	13.9		18.7	16.4	13.8		19.2	16.5	13.8		19.2	16.5	13.7		19.2	16.5	13.6	19.2	16.4	13.6		19.2	16.4	13.6		115	
120	17.4	15.5	13.3		17.8	15.8	13.4		18.3	15.9	13.3		18.5	15.9	13.2		18.5	15.8	13.2	18.5	15.8	13.2		18.5	15.8	13.1		120	
125	16.7	14.8	12.8		17.2	15.2	12.9		17.5	15.4	12.9		17.7	15.3	12.8		17.7	15.3	12.8	17.8	15.2	12.7		17.8	15.3	12.7		125	
130	16	14.2	12.2		16.6	14.6	12.4		16.9	14.8	12.5		17	14.8	12.4		17	14.8	12.4	17	14.8	12.3		17.1	14.8	12.3		130	
135	15.3	13.6	11.7		16	14	12		16.3	14.3	12		16.4	14.3	12		16.3	14.3	12	16.3	14.3	11.9		16.3	14.3	11.9		135	
140	14.7	13.1	11.2		15.4	13.5	11.5		15.7	13.7	11.6		15.8	13.8	11.6		15.8	13.8	11.6	15.8	13.8	11.5		15.8	13.8	11.5		140	
145	14	12.5	10.7		14.7	13	11		15.2	13.2	11.2		15.3	13.3	11.2		15.3	13.4	11.2	15.3	13.3	11.2		15.3	13.3	11.2		145	
150	13.3	12	10.2	7.7	14.1	12.5	10.5		14.6	12.8	10.8		14.8	12.8	10.8		14.8	12.9	10.8	14.8	12.9	10.8		14.8	12.9	10.8		150	
155	12.7	11.5	9.8	7.4	13.5	12	10.1	7.5	14	12.4	10.4	7.5	14.3	12.5	10.5		14.3	12.5	10.5	14.3	12.5	10.5		14.3	12.5	10.5		155	
160	12.2	11	9.5	7.1	12.9	11.6	9.7	7.2	13.5	11.9	10	7.3	13.8	12.1	10.1	7.3	13.8	12.1	10.2	7.2	13.8	12.1	10.1	7.2	13.9	12.1	10.2	7.2	160
165	11.7	10.4	9.1	6.8	12.4	11.1	9.4	6.9	12.9	11.5	9.6	7	13.2	11.7	9.8	7	13.3	11.7	9.8	7	13.3	11.7	9.8	7	13.4	11.7	9.9	7	165
170	11.2	10	8.7	6.6	11.9	10.6	9.1	6.7	12.4	11.1	9.3	6.8	12.7	11.3	9.5	6.8	12.8	11.4	9.5	6.8	12.8	11.3	9.5	6.8	12.9	11.4	9.5	6.8	170
175	10.7	9.7	8.4	6.3	11.4	10.2	8.8	6.4	11.9	10.7	9	6.5	12.2	10.9	9.2	6.6	12.3	11	9.2	6.6	12.3	11	9.2	6.6	12.4	11	9.3	6.6	175
180	10.3	9.3	8.1	6	11	9.8	8.4	6.2	11.4	10.2	8.7	6.3	11.7	10.6	8.9	6.4	11.8	10.6	8.9	6.4	11.8	10.6	9	6.4	11.9	10.7	9	6.4	180
185	9.8	9	7.8	5.8	10.6	9.5	8.1	5.9	11	9.9	8.5	6	11.3	10.2	8.6	6.2	11.3	10.3	8.7	6.2	11.4	10.2	8.7	6.2	11.5	10.3	8.7	6.2	185
190	9.3	8.6	7.5	5.5	10.1	9.2	7.8	5.7	10.6	9.5	8.2	5.9	10.9	9.8	8.4	6	10.9	9.9	8.5	6	10.9	9.9	8.5	6	11	10	8.5	6	190
195	8.9	8.2	7.3	5.3	9.7	8.8	7.6	5.5	10.3	9.2	7.9	5.6	10.6	9.5	8.1	5.8	10.6	9.5	8.1	5.8	10.6	9.5	8.2	5.8	10.7	9.6	8.2	5.8	195
200	8.5	7.9	7	5.1	9.3	8.5	7.4	5.3	9.9	8.9	7.7	5.4	10.2	9.2	7.9	5.6	10.2	9.3	7.9	5.6	10.3	9.3	8	5.6	10.3	9.3	7.9	5.7	200
205	8.2	7.6	6.8	4.9	8.9	8.2	7.1	5.1	9.5	8.6	7.4	5.2	9.8	8.9	7.6	5.4	9.9	9	7.7	5.4	9.9	9	7.7	5.5	10	9	7.7	5.5	205
210	7.9	7.4	6.6	4.7	8.5	7.9	6.9	4.9	9.1	8.3	7.2	5.1	9.5	8.7	7.4	5.2	9.6	8.7	7.4	5.3	9.6	8.7	7.5	5.3	9.7	8.8	7.5	5.3	210
215	7.6	7.1	6.4	4.5	8.2	7.6	6.7	4.7	8.7	8.1	7	4.9	9.1	8.4	7.2	5.1	9.2	8.4	7.2	5.1	9.3	8.5	7.3	5.1	9.3	8.5	7.3	5.1	215
220	7.3	6.9	6.1	4.4	7.9	7.3	6.5	4.6	8.4	7.8	6.8	4.8	8.8	8.1	7	4.9	8.9	8.2	7	4.9	8.9	8.2	7.1	4.9	9	8.2	7.1	5	220
225	7	6.6	5.9	4.2	7.6	7.1	6.3	4.4	8.1	7.5	6.6	4.6	8.4	7.8	6.8	4.7	8.5	7.9	6.8	4.8	8.6	7.9	6.8	4.8	8.7	8	6.9	4.8	225
230	6.7	6.3	5.7	4.1	7.3	6.9	6.1	4.3	7.8	7.3	6.4	4.5	8.1	7.6	6.6	4.6	8.2	7.6	6.6	4.6	8.3	7.7	6.6	4.6	8.3	7.7	6.7	4.6	230
235	6.4	6.1	5.5	4	7.1	6.6	5.9	4.1	7.6	7	6.2	4.4	7.8	7.3	6.4	4.5	7.9	7.4	6.4	4.5	8	7.4	6.4	4.5	8	7.4	6.5	4.5	235
240	6.2	5.9	5.4	3.9	6.8	6.4	5.7	4	7.3	6.8	6	4.2	7.6	7.1	6.2	4.3	7.6	7.2	6.2	4.4	7.7	7.2	6.2	4.4	7.7	7.2	6.3	4.4	240
245	5.9	5.7	5.2	3.8	6.5	6.2	5.5	4	7	6.6	5.9	4.1	7.4	6.9	6	4.2	7.4	6.9	6.1	4.2	7.4	7	6.1	4.3	7.5	7	6.1	4.3	245
250	5.7	5.5	5	3.8	6.2	6	5.4	3.9	6.8	6.4	5.7	4	7.1	6.7	5.9	4.1	7.2	6.7	5.9	4.1	7.2	6.8	5.9	4.1	7.2	6.8	6	4.1	250
255	5.5	5.4	4.9		6	5.8	5.3	3.8	6.5	6.2	5.5	3.9	6.9	6.5	5.7	4	6.9	6.5	5.7	4	7	6.6	5.8	4	7	6.6	5.8	4	255
260	5.3	5.2	4.8		5.8	5.6	5.1	3.8	6.2	6	5.4	3.8	6.6	6.3	5.5	3.9	6.7	6.3	5.6	3.9	6.7	6.4	5.6	3.9	6.8	6.4	5.6	3.9	260
265	5.1	5	4.7		5.6	5.4	5		6	5.8	5.2	3.8	6.4	6.1	5.4	3.8	6.4	6.1	5.4	3.8	6.5	6.2	5.4	3.8	6.6	6.2	5.5	3.8	265
270	4.9	4.9	4.6		5.4	5.3	4.8		5.8	5.6	5.1		6.1	5.8	5.2		6.2	5.9	5.3		6.3	6	5.3	3.8	6.3	6	5.3		270
275	4.8	4.7			5.2	5.1	4.7		5.6	5.4	5		5.9	5.7	5.1		6	5.7	5.1		6	5.8	5.2		6.1	5.8	5.2		275
280	4.6	4.6			5	4.9	4.6		5.4	5.3	4.8		5.7	5.5	5		5.7	5.6	5		5.8	5.6	5		5.9	5.6	5.1		280
285	4.5				4.8	4.8	4.6		5.2	5.1	4.7		5.5	5.4	4.9		5.6	5.4	4.9		5.6	5.4	4.9		5.7	5.5	4.9		285
290					4.7	4.7			5	4.9	4.6		5.3	5.2	4.7		5.4	5.3	4.8		5.4	5.3	4.8		5.5	5.3	4.8		290
295					4.5	4.6			4.9	4.8	4.5		5.2	5.1	4.6		5.2	5.1	4.7		5.3	5.1	4.7		5.3	5.2	4.7		295
300					4.4				4.7	4.7	4.4		5	4.9	4.5		5	5	4.6		5.1	5	4.6		5.1	5	4.6		300
305									4.6	4.6			4.8	4.8	4.5		4.9	4.8	4.5		4.9	4.9	4.5		5	4.9	4.5		

Lifting capacities Forces de levage

TYNZF 192 ft



Height (ft)	107 ft + 9 ft*			125 ft + 9 ft*			143 ft + 9 ft*			161 ft + 9 ft*			164 ft + 9 ft*			167 ft + 9 ft*			171 ft + 9 ft*			Height (ft)		
	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°			
40	33.9																					40		
45	32.2			31.5			31.2															45		
50	30.5			30.1			30.3					30.6			30.3							50		
55	28.8			28.7			29.2					29.3			29.2			29			28.9	55		
60	27.5			27.4			28.2					28			28			27.9			27.7	60		
65	26.2			26.2			27.1					26.7			26.8			26.7			26.6	65		
70	25			25.1			26					25.5			25.6			25.5			25.4	70		
75	23.7	20.5		24			25					24.5			24.6			24.5			24.4	75		
80	22.4	19.6		22.9	19.4		23.8					23.5			23.7			23.6			23.5	80		
85	21.4	18.7		21.9	18.6		22.7	18.6				22.5			22.8			22.7			22.6	85		
90	20.5	17.9		20.9	17.8		21.6	17.8				21.5	17.6		21.8	17.5		21.8	17.5		21.7	17.4	90	
95	19.6	17.1		20.1	17.1		20.7	17.1				20.4	16.9		20.7	16.9		20.7	16.8		20.7	16.8	95	
100	18.7	16.4		19.3	16.4		19.8	16.4				19.7	16.3		19.9	16.2		19.9	16.2		19.9	16.1	100	
105	17.8	15.6		18.6	15.8		19	15.8				18.9	15.7		19.2	15.6		19.2	15.6		19.1	15.5	105	
110	16.9	14.9	12.7	17.8	15.1		18.3	15.2				18.2	15.1		18.5	15.1		18.5	15		18.4	15	110	
115	16.1	14.3	12.2	17	14.5	12.2	17.4	14.6				17.5	14.6		17.8	14.5		17.7	14.5		17.7	14.4	115	
120	15.4	13.7	11.7	16.1	13.9	11.7	16.7	14	11.6			16.7	14	11.5	17	14	11.4	17	14	11.4	17	13.9	11.4	120
125	14.8	13.1	11.2	15.4	13.4	11.2	15.9	13.5	11.2			16	13.5	11.1	16.3	13.4	11.1	16.3	13.4	11	16.3	13.4	11	125
130	14.2	12.6	10.7	14.8	12.9	10.8	15.2	13	10.8			15.4	13	10.7	15.6	12.9	10.6	15.6	12.9	10.6	15.7	12.9	10.6	130
135	13.6	12	10.3	14.2	12.4	10.4	14.6	12.5	10.4			14.7	12.6	10.3	15	12.5	10.3	15	12.5	10.3	15	12.5	10.2	135
140	13	11.5	9.8	13.7	11.8	10	14.1	12	10			14.2	12.1	9.9	14.4	12.1	9.9	14.4	12.1	9.9	14.4	12	9.9	140
145	12.4	11.1	9.4	13.1	11.4	9.6	13.6	11.6	9.6			13.7	11.6	9.6	13.9	11.6	9.6	13.9	11.6	9.6	13.9	11.6	9.5	145
150	11.8	10.6	9	12.5	11	9.2	13	11.1	9.3			13.2	11.2	9.2	13.4	11.2	9.2	13.4	11.2	9.2	13.4	11.2	9.2	150
155	11.2	10.2	8.6	11.9	10.5	8.9	12.5	10.7	9			12.7	10.7	8.9	12.9	10.8	8.9	12.9	10.8	8.9	12.9	10.8	8.9	155
160	10.7	9.8	8.3	11.4	10.1	8.5	11.9	10.3	8.6			12.2	10.4	8.6	12.4	10.4	8.6	12.4	10.4	8.6	12.5	10.4	8.6	160
165	10.2	9.3	8	10.8	9.7	8.2	11.4	9.9	8.3			11.7	10	8.3	11.9	10	8.3	11.9	10	8.3	12	10	8.3	165
170	9.8	8.9	7.7	10.3	9.3	7.9	10.9	9.6	8			11.2	9.7	8	11.4	9.7	8	11.5	9.7	8	11.5	9.7	8	170
175	9.4	8.5	7.3	9.8	8.9	7.6	10.4	9.2	7.7			10.7	9.3	7.7	10.9	9.4	7.7	11	9.4	7.7	11	9.4	7.7	175
180	8.9	8.2	7	9.5	8.5	7.3	10	8.9	7.4			10.3	9	7.5	10.5	9	7.5	10.5	9	7.5	10.5	9.1	7.5	180
185	8.5	7.8	6.7	9.1	8.2	7	9.6	8.5	7.2			9.8	8.7	7.2	10	8.7	7.2	10	8.7	7.2	10.1	8.7	7.2	185
190	8.1	7.5	6.4	8.7	7.9	6.7	9.2	8.1	6.9			9.5	8.3	7	9.6	8.4	7	9.7	8.4	7	9.7	8.4	7	190
195	7.7	7.2	6.1	8.3	7.6	6.4	8.8	7.8	6.6			9.1	8	6.7	9.2	8	6.7	9.3	8.1	6.7	9.3	8.1	6.7	195
200	7.4	6.9	5.8	8	7.3	6.1	8.5	7.5	6.3			8.8	7.7	6.5	8.9	7.7	6.5	9	7.7	6.5	9	7.8	6.5	200
205	7	6.6	5.4	7.6	7	5.8	8.1	7.3	6			8.4	7.4	6.2	8.6	7.4	6.2	8.6	7.5	6.2	8.6	7.5	6.3	205
210	6.7	6.3	5.1	7.2	6.7	5.5	7.8	7	5.8			8.1	7.2	5.9	8.3	7.2	6	8.3	7.2	6	8.3	7.2	6	210
215	6.4	6	4.8	6.9	6.4	5.3	7.4	6.7	5.5			7.8	6.9	5.7	7.9	6.9	5.7	8	7	5.7	8	7	5.7	215
220	6.1	5.7	4.6	6.6	6.1	5	7.1	6.4	5.2			7.5	6.7	5.4	7.6	6.7	5.4	7.7	6.7	5.5	7.7	6.8	5.5	220
225	5.8	5.4	4.3	6.3	5.9	4.7	6.8	6.2	5			7.1	6.4	5.2	7.3	6.4	5.2	7.3	6.5	5.2	7.4	6.5	5.3	225
230	5.5	5.1	4.1	6	5.6	4.5	6.5	5.9	4.7			6.8	6.2	5	6.9	6.2	5	7	6.2	5	7.1	6.3	5	230
235	5.2	4.8	3.9	5.8	5.4	4.3	6.2	5.7	4.5			6.5	5.9	4.7	6.6	5.9	4.7	6.7	6	4.8	6.7	6	4.8	235
240	4.8	4.5		5.5	5.1	4	6	5.4	4.2			6.2	5.7	4.5	6.4	5.7	4.5	6.4	5.8	4.6	6.4	5.8	4.6	240
245	4.5	4.2		5.2	4.8	3.8	5.7	5.2	4			6	5.5	4.3	6.1	5.5	4.3	6.1	5.5	4.3	6.2	5.6	4.3	245
250	4.3	4		4.9	4.5		5.5	5	3.9			5.8	5.3	4.1	5.9	5.3	4.1	5.9	5.3	4.2	6	5.3	4.1	250
255	4.1	3.8		4.6	4.2		5.2	4.7				5.5	5	3.9	5.6	5.1	3.9	5.7	5.1	4	5.7	5.1	4	255
260	3.8			4.3	4		4.9	4.4				5.3	4.8		5.4	4.9		5.5	4.9	3.8	5.5	4.9	3.8	260
265				4.1	3.8		4.7	4.2				5.1	4.6		5.2	4.6		5.2	4.7		5.3	4.7		265
270				3.9			4.3	4				4.8	4.3		5	4.4		5	4.5		5.1	4.5		270
275							4.1	3.8				4.6	4.1		4.7	4.2		4.8	4.3		4.9	4.3		275
280							3.9					4.3	3.9		4.5	4		4.5	4		4.6	4.1		280
285												4			4.2	3.8		4.3	3.8		4.4	3.8		285
290												3.8			4			4			4.1			290
295															3.8			3.8			3.9			295

* adapter - pièce d'adaptateur

max_198_211_03501_00_000

Lifting capacities Forces de levage

TYNZF 203 ft



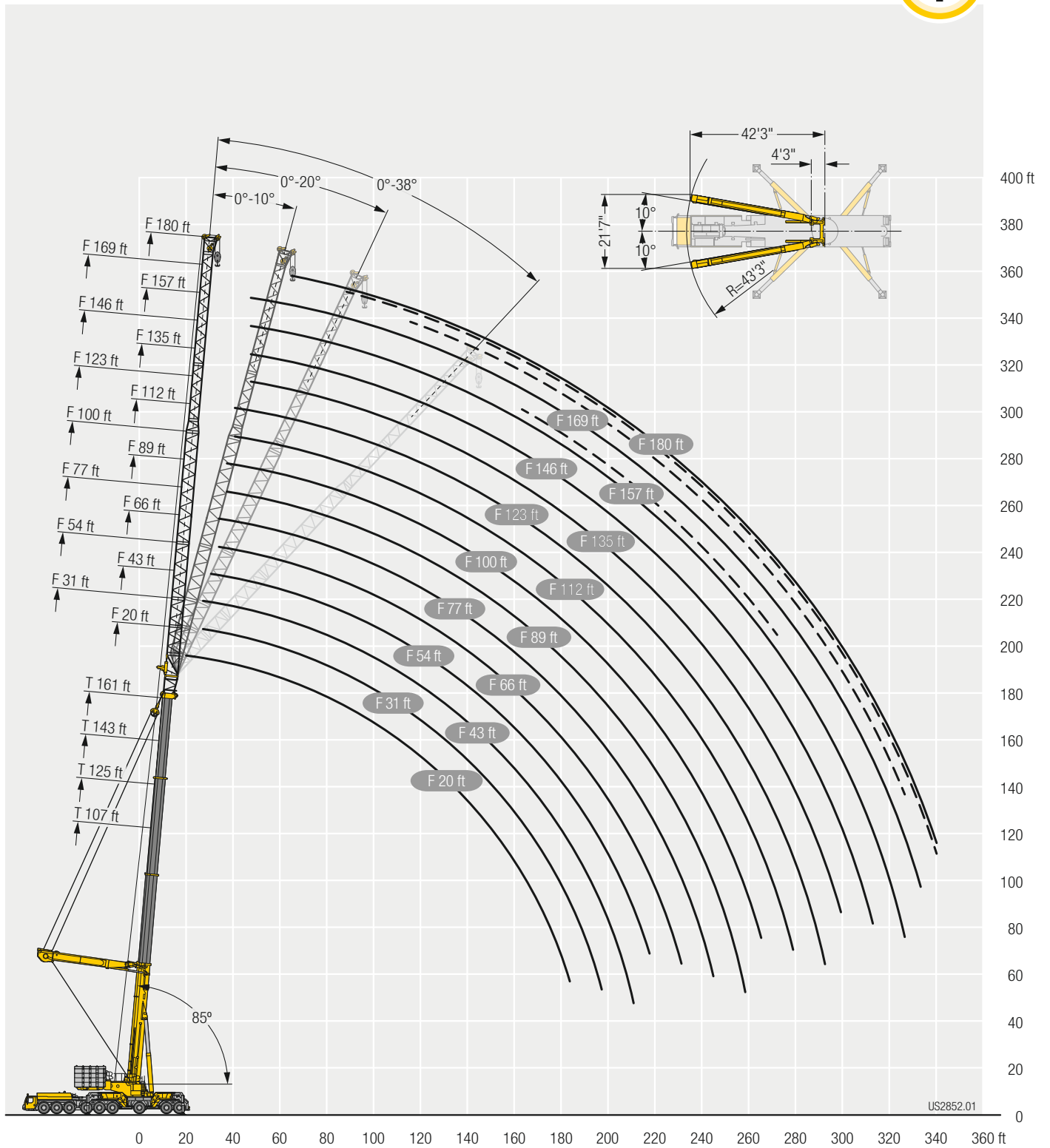
Height (ft)	107 ft + 9 ft*			125 ft + 9 ft*			143 ft + 9 ft*			161 ft + 9 ft*			164 ft + 9 ft*			167 ft + 9 ft*			171 ft + 9 ft*			Height (ft)
	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	
40	30.9																					40
45	29.6			29.1																		45
50	28.2			27.9			27.7															50
55	26.8			26.6			26.6			26.4			26.1			25.9			25.8			55
60	25.6			25.4			25.5			25.3			25.1			24.9			24.8			60
65	24.4			24.3			24.4			24.2			24			23.9			23.8			65
70	23.3			23.3			23.3			23.1			22.9			22.9			22.8			70
75	22.1			22.3			22.4			22.1			22			21.9			21.8			75
80	21	17.5		21.3			21.5			21.3			21.1			21			21			80
85	19.9	16.7		20.3	16.5		20.6			20.4			20.3			20.2			20.2			85
90	19	15.9		19.4	15.8		19.7	15.8		19.6	15.6		19.5			19.4			19.4			90
95	18.2	15.2		18.5	15.1		18.8	15.2		18.7	15		18.6	14.9		18.6	14.8		18.6	14.8		95
100	17.4	14.5		17.8	14.5		17.9	14.5		17.9	14.4		17.8	14.3		17.8	14.2		17.8	14.2		100
105	16.6	13.8		17	13.9		17.2	13.9		17.1	13.8		17	13.7		17	13.6		17	13.6		105
110	15.7	13.2		16.3	13.4		16.5	13.4		16.5	13.2		16.4	13.2		16.3	13.1		16.3	13.1		110
115	14.9	12.6	10.6	15.5	12.8		15.8	12.8		15.8	12.7		15.8	12.7		15.7	12.6		15.7	12.6		115
120	14.1	12	10.2	14.7	12.2	10.1	15.2	12.3		15.2	12.2		15.2	12.2		15.1	12.1		15.1	12.1		120
125	13.5	11.5	9.7	14	11.7	9.6	14.5	11.7	9.6	14.6	11.7	9.5	14.6	11.7	9.4	14.5	11.7		14.6	11.6		125
130	12.9	11	9.2	13.4	11.2	9.2	13.8	11.2	9.2	14	11.2	9.1	14	11.2	9	14	11.2	9	14	11.2	9	130
135	12.4	10.5	8.8	12.8	10.7	8.8	13.2	10.8	8.8	13.3	10.8	8.7	13.4	10.8	8.6	13.4	10.7	8.6	13.4	10.7	8.6	135
140	11.8	10	8.3	12.3	10.3	8.4	12.7	10.4	8.4	12.7	10.4	8.3	12.7	10.4	8.2	12.8	10.3	8.2	12.8	10.3	8.2	140
145	11.2	9.5	7.8	11.7	9.8	8	12.2	9.9	8	12.2	10	7.9	12.2	10	7.9	12.2	9.9	7.8	12.2	9.9	7.8	145
150	10.6	9.1	7.4	11.3	9.3	7.6	11.7	9.5	7.6	11.8	9.6	7.5	11.8	9.6	7.5	11.8	9.6	7.5	11.8	9.6	7.5	150
155	10	8.7	7	10.8	9	7.2	11.3	9.1	7.2	11.4	9.2	7.1	11.4	9.2	7.2	11.4	9.2	7.1	11.4	9.2	7.1	155
160	9.5	8.3	6.6	10.3	8.6	6.8	10.8	8.7	6.9	10.9	8.8	6.8	11	8.8	6.8	11	8.8	6.8	11	8.8	6.8	160
165	9	7.9	6.2	9.8	8.2	6.4	10.3	8.4	6.5	10.5	8.4	6.5	10.5	8.4	6.5	10.5	8.4	6.5	10.6	8.4	6.4	165
170	8.5	7.5	5.8	9.3	7.9	6	9.9	8	6.2	10.1	8.1	6.2	10.1	8.1	6.2	10.1	8.1	6.2	10.2	8.1	6.1	170
175	8.1	7.1	5.5	8.8	7.5	5.6	9.4	7.7	5.8	9.7	7.8	5.8	9.7	7.8	5.8	9.7	7.8	5.8	9.8	7.8	5.8	175
180	7.7	6.6	5.1	8.4	7.1	5.3	8.9	7.4	5.5	9.2	7.5	5.5	9.3	7.5	5.5	9.3	7.5	5.5	9.4	7.5	5.5	180
185	7.4	6.2	4.8	8.1	6.7	5	8.5	7	5.2	8.8	7.2	5.2	8.9	7.2	5.2	8.9	7.2	5.2	8.9	7.2	5.2	185
190	6.9	5.8	4.4	7.7	6.3	4.7	8.1	6.7	4.9	8.4	6.9	4.9	8.5	6.9	4.9	8.5	6.9	5	8.5	6.9	4.9	190
195	6.5	5.5	4.1	7.4	5.9	4.4	7.8	6.3	4.6	8	6.6	4.7	8.1	6.5	4.7	8.1	6.6	4.7	8.2	6.6	4.7	195
200	6	5.1	3.8	7	5.6	4.1	7.5	5.9	4.3	7.7	6.2	4.4	7.7	6.2	4.4	7.7	6.2	4.4	7.8	6.3	4.4	200
205	5.5	4.7		6.7	5.2	3.8	7.2	5.6	4	7.4	5.8	4.1	7.4	5.8	4.2	7.4	5.9	4.2	7.4	5.9	4.2	205
210	5.1	4.4		6.3	4.9		6.8	5.3		7.1	5.5	3.8	7.1	5.5	3.9	7.1	5.5	3.9	7.2	5.6	3.9	210
215	4.8	4		6	4.6		6.5	5		6.8	5.2		6.9	5.2		6.9	5.2		6.9	5.3		215
220	4.4			5.5	4.2		6.2	4.6		6.5	4.9		6.6	4.9		6.6	4.9		6.6	5		220
225	4.1			5.1	3.9		5.9	4.3		6.2	4.6		6.3	4.6		6.3	4.7		6.3	4.7		225
230	3.8			4.8			5.5	4		5.9	4.4		6	4.4		6	4.4		6.1	4.4		230
235				4.5			5.1			5.6	4.1		5.7	4.1		5.7	4.1		5.8	4.2		235
240				4.2			4.8			5.2	3.8		5.4	3.8		5.4	3.8		5.5	3.9		240
245				3.9			4.5			4.9			5			5.1			5.2			245
250							4.2			4.6			4.7			4.7			4.8			250
255							3.9			4.3			4.4			4.4			4.5			255
260										4.1			4.2			4.2			4.2			260
265										3.8			3.9			3.9			4			265

* adapter - pièce d'adaptateur

maxt_198_211_03601_00_000

Lifting heights Hauteurs de levage

TYNZF



US2852.01

Lifting capacities Forces de levage

TN 69 ft - 80 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	N 69 ft																					
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
36	293.9																					36
38	293.6			293.9																		38
40	290.5			293.9			280.4															40
45	267.4			288.2			280.4			225.5												45
50	248.1			269.4			277.5			217.3			172.8			141						50
55	233.4	243.4		252.1			262.3			207.1			164.4			136.1				110.6		55
60	222.2	224.3		239.5	252.7		248			194.5			156.6			130.7				107.6		60
65	214.8	209.6		230.3	233.9		237.4	253.6		183.5			148.8			125.4				104.2		65
70	211.4	198.6		223.7	219.2		229.9	235.6		174.7	181.7		141.5			120.1				100.6		70
75	201.4	190.8	196.8	209.1	207.9		219.2	221.2		168	168.5		134.8	129.9		114.9				96.9		75
80		187.2	183		200.3		201.5	208		164.2	157.8		129.2	121.1		109.9				92.8		80
85		186.8	172.9		196.5	196.4		197		149			124.9	113.8		105.6	97.5			88.6		85
90			166.5		193.2	184.8		188.4	178.1		142.2			107.5			91.7			85.3	79.1	90
95			164.2			174.3		178.3	168		137.1			102			86.8				74.7	95
100						164.9			159		135.1	134.5			97.5		82.5				70.9	100
105									150.7			125.8			93.9		78.9				67.4	105
110									143.1			119.1				83.1					64.4	110
115												114				77.8						115
120												111				73.6				62.3		120
125																70.2				58.6		125
130																				55.6		130
135																					47.5	135
140																					42.6	140

* adapter - pièce d'adaptateur

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	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	N 80 ft																					
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
40	290.3																					40
45	267.2			283.2			255.5															45
50	246.2			267.7			255.5			203.6			164.7									50
55	228.6			249.1			251.3			197.4			158.7				129					55
60	214.8	228.9		233.6			241.7			190.2			152			125.3				100.9		60
65	203.6	210.3		221	238.4		229.6			180.9			145.2			120.9				99		65
70	195.2	195.9		211.3	220.2		219.2	237.6		170.9			138.7			116.3				96.2		70
75	189.6	184.5		204	205.7		210.7	221.9		162.3	172.6		132.1			111.7				93.1		75
80	185.3	175.9	190.9	194	194.4		202.7	208.2		155.2	160		125.8	124.6		107.1				89.9		80
85	174.4	169.8	174.6	180	185.4		188.3	196.9		149.8	149.6		120.1	115.6		102.6				86.7		85
90		166.6	163.5	167	179.3	183.9	174.8	187.1		146.6	141		115.4	108.5		98.4	93			83.1		90
95		165.3	155		175.9	173.5		178		145.9	133.7		111.8	102.2		94.8	87.4			79.6	75.2	95
100			149.5		171.1	164.3		168.7	158.4		128.2			96.9			82.6			76.8	71	100
105			147.1			155.8		159.8	150.2		123.9			92.4			78.3				67.4	105
110						148.1			142.8		121.7	121.7		88.5			74.8				64	110
115						140.9			136			114.4		85.3	81.8		71.7				61	115
120									129.7			108.6			76		69				58.3	120
125												104.1			71.4					61	56	125
130												101.2			67.6					57		130
135															64.5					53.7	46.3	135
140																				50.9	43.4	140
145																				48.7	41	145
150																					39	150

* adapter - pièce d'adaptateur

t_198_206_00001_00_000

Lifting capacities Forces de levage

TN 92 ft - 103 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	N 92 ft																					
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
45	260.3			261.1																		45
50	243.1			252.8			231			185												50
55	226.2			243.7			230.8			182			148.1									55
60	212			230			226.1			177.8			143.6			116.6						60
65	200	210.4		217.4			220.7			172.8			138.4			113.7				91.1		65
70	190.1	195.3		206.6	219.6		213.2			167			133			110.3				89.7		70
75	182.4	183.1		197.7	204.9		204.7	216.6		159.2			127.7			106.6				87.5		75
80	176.6	173.1		191	192.8		197.3	206.2		151.9	159.1		122.3			102.7				84.9		80
85	172.8	165.2		184.6	182.7		190.4	194.7		145.4	148.9		117			98.9				82.2		85
90	167.7	159	164.6	172.8	174.4		180.3	185		140.2	140.1		112.1	107.3		95.2				79.6		90
95	156.9	154.5	154.3	161.5	168.2	172.5	168	176.2		136	132.5		107.7	101.3		91.6	86			77.1		95
100	130.6	152.3	146.4	150.3	163.9	163.3	157.4	167.7		133.8	126.3		104.1	95.9		88.3	81.4			74.4	69.2	100
105		149.6	140.3		161.8	154.8		159.2	149.2	133.3	120.8		101.3	91.1		85.5	77.3			71.7	65.8	105
110			136.5		154.3	147.2		151.3	141.9		116.5			87.1		83.3	73.6			69.4	62.8	110
115			134.4			140.2		144	135.1		113.2	115.2			83.5		70.4				59.9	115
120			132.4			133.7			128.9		111.5	108.6			80.5		67.5				57.3	120
125						127.7			123.2			103.1			77.9	72.2					54.8	125
130									117.9			98.7				68					52.7	130
135									112.8			95.2				64.4				53.9	50.8	135
140												92.8				61.4				51		140
145																58.9				48.4	40.8	145
150																56.8				46.2	38.7	150
155																				44.2	36.8	155
160																					35.1	160
165																					33.7	165

* adapter - pièce d'adaptateur

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	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*				
	N 103 ft																						
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
50	235.5			233.1																		50	
55	223.9			228.2			209.2			168.5												55	
60	209.7			221.4			207.8			164.8			135.4			108.6						60	
65	197			213.4			204.7			161.7			132.1			107				84.3		65	
70	186.2	198.3		202.5			200.6			158.1			128			104.9				83.4		70	
75	176.9	183.9		192.7	206		196.1			154			123.4			102.1				82.1		75	
80	169.3	172.5		184.5	193.5		190.5	198.6		148.5			118.7			98.8				80.5		80	
85	163.2	162.8		177.6	182.1		183.8	192.3		142.3	148.6		114			95.3				78.4		85	
90	158.8	155.1		170.8	172.4		177.8	183.6		136.2	141.3		109.5			92.1				76.2		90	
95	155.7	148.5	158.6	162.1	164.3		168.6	174.6		131	133.2		105.1	102.1		88.9				73.9		95	
100	147.6	143.7	147.9	152.1	157.9		158.1	166.9		126.9	126.1		101	96.4		85.8	81.6			71.9		100	
105	139.1	140.1	139.5	143.2	152.6	154.4	148.4	159		123.4	120		97.4	91.2		82.9	77.5			69.8	65.2	105	
110	123	137.9	133	135.2	149.2	146.8	139.9	151.2		121.5	114.6		94.3	86.9		80.1	73.6			67.4	62.4	110	
115		135	127.9		145.5	139.9	131.7	144	134.7	121	110.1		91.8	82.9		77.7	70.1			65.1	59.5	115	
120			129.1		137.6	133.5		137.4	128.6		106.5	112.1		90.6	79.3		75.7			63.1	56.9	120	
125						127.6		131.2	122.9		103.7	105			76.3					64.2	54.5	125	
130						122.1		125.5	117.7		102	99.5			73.7	70.4				61.6	52.2	130	
135						117			112.8		101.7	94.8			71.5	66.1				59.4	50	135	
140						112.1			108.2			90.9				62.5				57.5	52.4	140	
145									103.9			87.8				59.4				49.4	46.5	145	
150												85.6				56.7				46.8		39.5	150
155																54.4				44.5		37.3	155
160																52.5				42.5		35.4	160
165																				40.8		33.7	165
170																						32.1	170
175																						30.8	175

* adapter - pièce d'adaptateur

L_198_206_00301_00_000

Lifting capacities Forces de levage

TN 115 ft - 126 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*							
	N 115 ft																									
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°					
50	217.9			208.6			188.7															50				
55	212.7						187.7															55				
60	205			206.1			187.7			153.4			124.3									60				
65	193.9			201.2			186.7			149.6			123.7									65				
70	182.9			195.8			185.2			147.2			121.2								75.6	70				
75	173.4	186.6		188.5			182.5			144.5			118								96	75				
80	165.1	173.5		180.1	190.8		179.3			141.1			113.9								93.6	80				
85	157.9	162.7		172.4	182.1		175.7	177.9		137.2			109.7								91	85				
90	151.9	153.5		165.7	171.8		170.9	175.5		132.9	136.3		105.7								88	90				
95	147.1	146		160.1	162.8		164.8	170.9		127.7	131.8		101.9								85.2	95				
100	143.2	139.5		152	155.2		156.9	164.1		122.8	126		98.1	96.3							82.4	100				
105	138.9	134.2	142.1	143.2	148.6		147.6	156.5		118.6	119.5		94.4	91.2							79.7	105				
110	131.3	130.3	133.3	135.1	143.2	145.8	139.1	149.5		115	113.7		91.1	86.5							77.2	73	64.5	60.7	110	
115	124.4	127.3	126.4	127.8	139	138.9	131.4	142.9		112.2	108.6		88	82.3							74.7	69.5	62.7	58.2	115	
120	114.1	125.1	120.9	121.3	135.3	132.6	124.5	136.3	127.3	110.5	104.2		85.3	78.5							72.3	66.2	60.7	55.8	120	
125		122	116.5		129.9	126.7	118.3	130.3	121.7	109.9	100.4		83.2	75.1							70.2	63.3	58.8	53.4	125	
130		117.2	113.5		123.2	121.3		124.7	116.5	109.9	97.2	101.5	81.9	72							68.6	60.5	57	51.2	130	
135			111.6		117.2	116.2		119.5	111.6		94.8	95.7		69.4	68.3						58		55.6	49	135	
140			109.2			111.6		114.6	107.1		93.2	90.9		67	63.9						55.9			47	140	
145						107.2			102.9		92.8	86.8		65	60.2						54	50.5		45.2	145	
150						103			99			83.4		63.7	57						52.2	47.3		43.5	150	
155									95.3			80.6			54.2						50.9			42	37.6	155
160												78.6			51.8									42.4	35.4	160
165												77.6			49.7									40.4	33.4	165
170															47.9									38.5	31.8	170
175																								36.9	30.2	175
180																								35.6	28.8	180
185																									27.6	185

* adapter - pièce d'adaptateur

t_198_206_00401_00_000



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*								
	N 126 ft																										
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°						
55	194.8			188.1			169																		55		
60	191.8			186.7																						60	
65	186.6			185.3			168.3			138.9			114.5													65	
70	178.8			182.8			167.8			136			112.7								89.8			69.3		70	
75	169.8			179			167.2			133.7			110.5								89			69.1		75	
80	161.9	171.3		174.5			166			131.5			107.6								87.3			68.7		80	
85	155	160.9		168.7	174		163.2			128.7			104.5								85.5			67.8		85	
90	149	152.4		162.2	168.2		160.4	159.5		125.8			101.1								83.4			66.9		90	
95	143.7	144.6		156.5	161		157.7	158.1		122.8	124		97.8								81.1			65.8		95	
100	139.2	138.1		150.8	153.5		154.9	155.6		119.4	120.5		94.6								78.7			64.5		100	
105	135.7	132.4		144.4	146.6		148.9	152.4		115.8	116.9		91.4	88.9							76.4			62.9		105	
110	131.7	127.6	134.4	136.3	141		141.3	147.3		112	112.5		88.5	85							74.2	70.6		61.4		110	
115	126.1	123.6	126.7	129	136.1		133.3	140.9		108.8	107.5		85.6	81.2							72	67.7		59.8	55.8	115	
120	119.7	120.5	120.5	122.3	132	131.3	126.3	135		106	103		82.9	77.5							70	64.9		58.2	53.8	120	
125	113.6	118.2	115.2	116.3	128.5	125.9	119.9	129.6	120.5	103.9	98.9		80.4	74.2							68	62.2		56.8	51.8	125	
130	102.1	115.7	111	110.8	124.1	120.5	114.1	124.3	115.7	102.5	95.5		78.3	71.1							66.1	59.5		55.3	49.8	130	
135		112.4	107.7	100.5	118	115.5	108.6	119.2	111.1	102.1	92.4	96.1	76.5	68.3							64.3	57.1		53.7	47.9	135	
140		107.7	105.3		112.4	110.9	93.2	114.3	106.6	102.1	89.9	91.1	75.4	65.9							63	54.9		52.2	46	140	
145			103.7		107.4	106.5		109.8	102.4		88	86.8		63.6	60.5						62.1	53		51.1	44.2	145	
150			101.2			102.4		105.6	98.5		86.7	83.1		61.6	57.2							51.2			42.6	150	
155						98.6			94.9		86.4	79.7		60.1	54.4							49.5	44.7		41	155	
160						95			91.4			77		58.9	51.9							48.1	42.4		39.6	160	
165									88.1			74.7			49.7							46.9	40.4		38.3	33.1	165
170									85			73			47.7								40.4		37.3	31.3	170
175												72.2			45.9								38.8			29.8	175
180															44.4								36.8			28.4	180
185																							35.3			27.2	185
190																							33.9			25.9	190
195																							32.7			24.9	195

* adapter - pièce d'adaptateur

t_198_206_00501_00_000

Lifting capacities Forces de levage

TN 138 ft - 149 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*				
	N 138 ft																						
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
60	175.1			169.2			152.3			127.8												60	
65	173.5			168			151.8			126.9												65	
70	170			166.8			151.4			124.6			104.5									70	
75	164.4			165.8			151.4			121.5			103.1			80.9						75	
80	157.3			163			150.7			119.5			100.9			80.7						80	
85	150.4	159.2		159.6			149.6			117.4			98.5			79.8						85	
90	144.5	150.9		155.5	157.1		147.9			115.1			96			78.3						90	
95	139	143		150.8	154.5		145.7	143.3		112.7			93.3			76.7						95	
100	134.3	136.1		146.2	150.3		143.5	142		112.7	112.9		90.4			74.8						100	
105	130.2	130.1		141.6	144.4		141.4	140.9		110.2	110.7		87.7			72.8						105	
110	126.6	124.9		135.3	138.4		137.9	139.2		107.8	108		85	83		70.7						110	
115	123.7	120.2	129.3	128.6	133.1		131.7	136.7		104.9	105		82.4	79.6		68.8	65.7					115	
120	119.1	116.3	121.5	121.9	128.4		125.6	132.8		101.9	101.4		79.9	76.3		66.9	63.2					120	
125	113.5	113	115	115.8	124.2	123.7	119.7	127.4		99.3	97.5		77.5	73		65.1	60.8					125	
130	108.1	110.3	109.8	110.3	120.9	118.9	113.9	122.4		97	93.6		75.2	70		63.3	58.4					130	
135	103.1	108.2	105.5	105.2	116.8	114.3	108.5	117.8	109.3	95.1	90.3		73.1	67.2		61.6	56.1					135	
140	94.4	105.7	101.8	100.6	111.9	110	103.5	113.5	105.3	93.9	87.3	92.5	71.2	64.5		60	53.9					140	
145	80.9	102.3	99	94.1	106.7	105.7	99	109.2	101.5	93.5	84.7	87.5	69.7	62.1		58.5	51.7					145	
150			98		102	101.7	89.4	105.1	97.8	93.5	82.6	83.2	68.6	60	58.1	57.2	49.7					150	
155					97.6	97.9		101.1	94.1		80.8	79.5	68.3	58	54.8	48							155
160					92.3	94.3		97.4	90.7		79.7	76.2		56.3	52	46.4	42.7						160
165					91.7	91			87.5		79.3	73.4		54.9	49.4	45	40.3						165
170						87.8			84.4		70.9			53.8	47.3	43.6	38.2						170
175									81.5		68.9				45.3	42.6	36.4						175
180									78.7		67.3				43.5		34.7						180
185											66.4				41.9		33.2						185
190															40.5		31.9						190
195															39.4		30.6						195
200																	29.5						200
205																							205
210																							210

* adapter - pièce d'adaptateur

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	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	N 149 ft																					
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
60	158.5			151.9			136.6			115.5												60
65	157.3			151.1			136.6			115.5												65
70	156			150.2			136.6			113.8			94.9			73.4						70
75	154.4			149.3			136.3			113.8			93.9			73.2						75
80	151			147.7			135.3			111.3			92.4			73						80
85	146.4			145.2			134.4			108.7			90.5			72.8						85
90	140.5	146		142.3	141.1		133.6			107.1			88.5			71.9						90
95	135.1	141.2		139.7	139.5		132.3	128.7		105.4			86.3			70.6						95
100	130.1	134.5		136.7	137.8		130.7	127.7		103.6	101.6		84			69.2						100
105	125.8	128.4		132.9	134.6		129.2	126.8		101.7	101.3		81.6			67.5						105
110	122	122.9		127.9	130.8		127.6	125.9		99.8	99.6		79.2	77.6		65.8						110
115	118.8	118		121.8	126		123.6	124.9		97.7	97.3		77	74.7		64.1	61.2					115
120	115.6	113.8		115.9	121.8		118.7	123.1		95.6	95		74.8	71.9		62.4	59.1					120
125	112.3	110.1	116.9	112.9	117.2		112.9	120.3		93.4	92.2		72.7	68.9		60.8	57.1					125
130	107.3	106.7	110.6	110.2	117.9	117.2	110.7	120.3		91.2	89		70.7	66.2		59.2	55					130
135	102.3	103.9	105.4	105	114.3	112.7	107.5	115.8		89.2	85.9		68.8	63.7		57.7	53					135
140	97.8	101.8	101	100.3	111.2	108.6	102.6	111.6	103.4	87.7	83.1		66.9	61.3		56.2	51					140
145	93.6	99.7	97.2	96	106.5	104.7	98.1	107.7	99.7	86.7	80.5	84.4	65.3	59.1		54.9	49					145
150	87.3	96.8	94	91.9	101.7	101	93.9	104	96.2	86.7	80.5	84.4	63.9	57		53.6	47.2					150
155	76.7	92.8	91.6	87	97.2	97.5	90	100.5	92.9	86.3	78.3	80.2	63	55	52.9	52.5	45.5					155
160		88.9	89.7	74.6	93.1	94	84.6	96.9	89.9	86.3	76.4	76.5	63	55	50	52.5	45.5					160
165		83.6	88.4		89.3	90.7		93.1	86.8		74.8	73.4	62.6	53.3	50	51.6	43.9					165
170			86.4		85.6	87.5		89.3	83.8		73.7	70.5		51.8	47.5	42.5	38.7					170
175			84.6			84.5		85.7	80.9		73.4	67.9		50.5	45.4	41.2	36.6					175
180						81.7			78.2		73.4	65.7		49.5	43.4	40.1	34.8					180
185						79			75.6			64		49	41.7	39.1	33.1					185
190									73.2			62.5			40.1		31.7					190
195												61.6			38.6		30.4					195
200												61.4			37.3		29.1					200
205															36.3		28					205
210																	27					210
215																	26.1					215
220																						220

* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TN 161 ft - 172 ft



Height (ft)	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*				
	N 161 ft																						
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
65	143			137.9																		65	
70	142			137.3					123.1														70
75	140.9			136.5					123.1														75
80	139.7			135.4					123.1														80
85	137.4			134.1					122.5														85
90	134.3			132.9					121.7														90
95	130.2	131.8		131.4					120.9														95
100	125.9	129.8		129.5	126.9				120.1														100
105	121.5	125.9		127.4	125.6			119.4	115														105
110	117.5	120.7		125.2	124.3			118.5	114.8														110
115	114	115.6		122.6	123.1			117.6	114.2														115
120	111	111.1		119.4	120.8			116.3	113.5														120
125	108.4	107.2		114.4	118			114.2	112.9														125
130	105.4	103.7	111	109	114.5			110.7	112.1														130
135	102.1	100.6	106	104.1	110.9			106.4	111														135
140	97.6	98	101	99.4	107.9	106.3		101.5	109														140
145	93.4	95.6	96.6	94.9	104.5	102.5	97.1	105.4	94.1														145
150	89.5	93.7	92.7	90.9	100.5	98.9	92.9	101.8	94.1														150
155	85.7	91.6	89.4	87.2	96.2	95.5	89	98.4	90.8	80.6	76.1	78.1											155
160	80.6	88.6	86.7	83.6	92.1	92.4	85.4	95.2	87.8	79.6	73.9	76.8											160
165	72	85	84.4	79.8	88.3	89.4	81.9	92	85	79.2	71.9	73.4											165
170	59.5	81.6	82.8	71.1	84.7	86.5	78.7	88.3	82.3	79.2	70.2	70.2											170
175		77.7	81.7		81.3	83.6		84.8	79.8	68.9	67.3												175
180			79.9		80.8			81.4	77.2	67.9	64.8												180
185			78.1		78.2			78.2	74.6	67.6	62.6												185
190			76		78.1			75.6	72.2	67.6	60.6												190
195					73.2				69.9		59												195
200									67.7		57.6												200
205											56.8												205
210											56.4												210
215																							215
220																							220
225																							225
230																							230
235																							235
240																							240
245																							245

* adapter - pièce d'adaptateur

t_198_206_00801_00_000



Height (ft)	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*				
	N 172 ft																						
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
70	129.4			124.5																			70
75	128.6			124.3																			75
80	127.5			123.3																			80
85	126.2			122.2																			85
90	124.7			121.2																			90
95	123.1			120.2																			95
100	120.9	118.9		119.3																			100
105	118.2	117.6		117.1	114.4																		105
110	114.7	116		115.5	113.4			108.6	104.6														110
115	111.3	112.6		115.5	112.6			108.2	104														115
120	108.6	108.6		113.8	111.7			107.8	103.4														120
125	105.9	104.9		112.1	110.8			107	102.9														125
130	103.7	101.6		108.8	109.4			106.2	102.5														130
135	101.3	98.7	102.4	104.1	107.5			104.5	102.1														135
140	97.8	96.1	99.1	99.8	105.2			102.3	101.7														140
145	94.1	93.7	95.1	95.7	102.9	101		98.6	101														145
150	90.2	91.8	91.7	91.8	100.6	97.4		94.5	100.1														150
155	86.5	90.2	88.5	88	96.8	94.1		90.6	97.3														155
160	82.9	88.7	85.8	84.4	92.9	91		86.9	94.1	86.9													160
165	78.2	85.6	83.4	81	89	88.1		83.5	91.1	84.1													165
170	71.5	82.3	81.2	77.8	85.5	85.3		80.1	88.3	81.4													170
175	64.2	79	79.7	72.6	82	82.7		76.9	85.6	78.9													175
180	55.3	76.1	78.4	64	78.7	80.2		71.1	82.8	76.5													180
185		71.3	77.4		75.8	77.8		79.6	74.3														185
190		61.1	75.4		73	75.3		76.6	72.1														190
195			73.5			72.9		73.7	69.9														195
200			71			70.6			67.7														200
205						68.5			65.6														205
210									63.6														210
215									61.7														215
220																							220
225																							225
230																							230
235																							235
240																							240
245																							245

* adapter - pièce d'adaptateur

t_198_206_00901_00_000

Lifting capacities Forces de levage

TN 184 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*				
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
70	117.8																					70	
75	117.2			112.6			100.7															75	
80	116.1			112.2			100.7			85.8												80	
85	114.9			111.2			100.7			85.8			71.8			55.8						85	
90	113.8			110.4			100.6			85.8			71.8			55.5			42.4			90	
95	112.8			109.4			100.1			85.8			71.4			55.3			42.2			95	
100	111.7			108.6			99.6			84.9			70.6			55.1			42			100	
105	110.2	107.4		107.8			99			83.5			69.6			54.9			41.9			105	
110	108.4	106.3		107.1	103.4		98.5			81.9			68.4			54.6			41.7			110	
115	106.2	105.3		106.2	102.6		98.1	94.3		80.3			67.2			54.2			41.6			115	
120	103.9	104.2		105.2	101.8		97.8	93.9		79.4	77.3		65.8			53.5			41.4			120	
125	101.5	101.7		104.2	101		97.4	93.4		78.5	76.3		64.5			52.6			41			125	
130	99.1	98.6		103.1	100.4		97.1	93		77.6	76.1		63	60.9		51.7			40.6			130	
135	97	95.6		101.8	99.8		96.6	92.6		76.7	75.4		61.5	59.2		50.7	47.8		40.1			135	
140	95	92.9		98.3	98.8		95.9	92.2		75.8	74.3		60.1	57.4		49.7	46.6		39.6			140	
145	92.5	90.3	92.7	94.7	97.6		94.5	92		74.8	73.1		58.8	55.6		48.6	45.3		39	35.7		145	
150	89.3	88.2	90.2	91	96.3	93.3	92.4	91.7		73.9	72		57.4	53.9		47.5	44		38.3	34.8		150	
155	86.1	86.2	86.9	87.4	94.3	92.2	89	91.5		73	70.8		56.1	52.2		46.5	42.7		37.5	33.9		155	
160	82.8	84.7	84	84.1	91.8	89.4	85.6	91	84.8	72.2	69.5		55	50.6		45.5	41.4		36.8	33		160	
165	79.5	83.4	81.4	80.8	88.5	86.5	82.3	89.1	82.1	71.5	68.1		53.8	49		44.5	40.1		36	32		165	
170	76.2	81.9	79.1	77.6	85.1	83.7	79.1	86.4	79.5	70.8	66.5	66.3	52.7	47.5		43.5	38.8		35.3	31.1		170	
175	71.6	78.8	77.1	74.5	81.8	81.2	76.1	83.7	77	70.2	65	64.9	51.7	46.1		42.7	37.6		34.6	30.1		175	
180	65.9	75.7	75.2	71.7	78.5	78.7	73.1	81.3	74.7	69.7	63.5	63.2	50.8	44.8	42.2	41.8	36.4		33.9	29.2		180	
185	59.7	72.9	73.8	67.2	75.4	76.4	70.4	78.6	72.4	69.5	62.3	61.1	50	43.6	40.4	41.1	35.3		33.3	28.3		185	
190	52.5	70.2	72.8	60.2	72.6	74.2	66.4	75.5	70.3	67.4	61.2	59	49.4	42.4	38.6	40.5	34.2	30.3	32.7	27.4		190	
195		66.5	71.9		69.9	72.1	58.3	72.6	68.3	61.9	60.3	57.2	49	41.2	37	40	33.2	28.9	32.2	26.5		195	
200		58.7	70.3		67.4	70		69.9	66.4		59.6	55.4	48.9	40.2	35.4	39.6	32.2	27.5	31.8	25.7	21	200	
205			67.9		61.9	67.8		67.4	64.6		59.4	53.9		39.4	34		31.4	26.3	31.5	24.9	20	205	
210			65.5			65.8			62.7		59.3	52.5		38.6	32.8		30.6	25.1		24.1	19	210	
215						63.8			60.8		59.3	51.3		38.2	31.6		29.9	24.1		23.4	18	215	
220									59			50.4		38.1	30.6		29.3	23.1		22.8	17.1	220	
225									57.2			49.6			29.6		22.2			22.2	16.3	225	
230												49.3			28.7					21.3		15.6	230
235												49.3			28					20.6		14.9	235
240															27.4					19.9		14.2	240
245																				19.2		13.6	245
250																						13	250
255																						12.4	255

* adapter - pièce d'adaptateur

t_198_206_01001_00_000

Lifting capacities Forces de levage

TN 195 ft



↙ ↘	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			↙ ↘		
	N 195 ft																							
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
75	106																					75		
80	105.3			101					90.9													80		
85	104.3			100.8					90.7			77.7			65.3							85		
90	103.3			100					90.7			77.7			65.3			51				90		
95	102.3			99.2					90.7			77.7			65.3			50.8			38.7	95		
100	101.4			98.5					90.5			77.7			65.2			50.6			38.5	100		
105	100.6			97.7					90			77.5			64.8			50.4			38.4	105		
110	99.7	96.8		97.1					89.5			76.6			64			50.2			38.2	110		
115	98.9	95.9		96.4	93.2				89.1			75.4			63.1			50			38.1	115		
120	97.4	95		95.9	92.5			88.8	84.9			74			62.1			49.8			38	120		
125	95.9	94.2		95.4	91.8			88.4	84.9			72.6	71.6		61			49.5			37.9	125		
130	94.4	93.4		94.9	91.2			88.1	84.6			71.9	69.8		59.8			48.8			37.7	130		
135	92.8	92.3		94.1	90.7			87.8	84.2			71.3	69.1		58.6	56.8		48			37.4	135		
140	91.2	90.1		93.2	90.1			87.7	83.8			70.5	69.1		57.3	55.3		47.2	44.6		37	140		
145	89.5	87.8		91.4	89.7			87.6	83.5			69.8	68.3		56.1	53.8		46.3	43.5		36.5	145		
150	87.7	85.5	86.2	88.9	89.1			87.3	83.3			69.1	67.5		54.9	52.2		45.4	42.4		36.1	33.2	150	
155	84.8	83.4	84.4	86.1	88.4			86.8	83.1			68.3	66.6		53.8	50.7		44.5	41.2		35.5	32.4	155	
160	81.7	81.6	82.7	83	87.4	83.8		85	82.9			67.6	65.7		52.6	49.3		43.6	40.1		34.9	31.6	160	
165	78.9	80	80.2	79.9	86.1	83.4		82.3	82.8	77.9		66.9	64.7		51.5	47.9		42.7	39		34.3	30.7	165	
170	76	78.6	77.7	77.1	83.9	82.4		79.6	82.6	77.6		66.3	63.7		50.6	46.5		41.8	37.8		33.6	29.9	170	
175	73.1	77.2	75.5	74.3	80.9	80		76.7	82.1	76.3		65.7	62.7	61.8	49.6	45.1		41	36.7		32.9	29.2	175	
180	70.3	75.3	73.5	71.4	78	77.6		73.9	80.5	74		65.3	61.6	60.6	48.6	43.7		40.1	35.6		32.3	28.3	180	
185	66.4	72.5	71.8	68.8	75.2	75.3		71.1	78.2	71.8		65	60.3	59.4	47.7	42.5	40.5	39.4	34.5		31.7	27.5	185	
190	61.6	69.8	70.4	66.3	72.3	73.1		68.4	76	69.8		64.8	59.1	58.2	47	41.4	38.7	38.6	33.5		31.1	26.7	190	
195	56.2	67.3	69.2	62.7	69.6	71.1		65.9	73.4	67.8		64.6	58.1	56.5	46.3	40.3	37	38	32.5	29.1	30.6	25.8	195	
200	50.2	64.9	68.1	57	67	69.1		62	70.6	65.9		62.5	57.2	54.8	45.8	39.2	35.6	37.4	31.6	27.7	30	25	200	
205		62.1	67.2	49.4	64.6	67.2		55.4	68	64.1		58	56.4	53.3	45.5	38.3	34.2	37	30.7	26.4	29.6	24.2	20.1	205
210		56.3	65.1		62.4	65.4			65.5	62.3		54.1	55.8	51.8	45.4	37.4	32.8	36.6	29.8	25.2	29.2	23.5	19	210
215			62.9		59.1	63.7			63.2	60.7			55.5	50.4		36.6	31.5		29	24.1	29	22.7	18	215
220			60.8			61.8			60.9	59.1			55.5	49.1		36	30.4		28.3	23		22.1	17.1	220
225						60				57.4			55.5	48		35.5	29.3		27.7	22.1		21.5	16.2	225
230										55.7				47.2		35.3	28.3		27.2	21.2		20.9	15.4	230
235										54.1				46.5			27.5		26.8	20.4		20.4	14.7	235
240														46.2			26.7			19.6		20.1	14	240
245														46.2			26			18.9			13.4	245
250																	25.5			18.3			12.7	250
255																				17.7			12.2	255
260																				17.2			11.7	260
265																							11.2	265

* adapter - pièce d'adaptateur

t_198_206_01101_00_000

Lifting capacities Forces de levage

TN 207 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 207 ft																					
80	95.2			91.2						70.3												80
85	94.7			90.9			81.9															85
90	93.9			90.6			81.8			70.2			59.4									90
95	93.1			90.3			81.7			70.2			59.4			46.1			34.8			95
100	92.2			89.6			81.6			70.2			59.3			45.9			34.7			100
105	91.4			88.9			81.5			70.2			59			45.7			34.5			105
110	90.6			88.2			81.3			70.2			58.7			45.5			34.4			110
115	89.9	87.4		87.6			80.9			69.7			58.4			45.3			34.3			115
120	89.3	86.5		87.1	84.2		80.5			68.9			57.7			45.2			34.2			120
125	88.2	85.7		86.5	83.6		80.1	76.2		67.9			56.9			45.1			34.1			125
130	87	85		86	83		79.6	76.2		66.7	65.4		56.1			44.8			34			130
135	85.9	84.3		85.4	82.4		79.2	76.2		65.5	64.5		55.2			44.4			33.8			135
140	84.8	83.8		84.7	81.9		78.7	76		64.9	62.8		54	52.2		43.9			33.7			140
145	83.8	83		83.9	81.5		78.1	75.7		64.3	62.3		52.9	51.1		43.2	40.8		33.4			145
150	82.6	81.9		83.1	81		77.5	75.4		63.7	62.2		51.9	49.8		42.5	40		33			150
155	81.4	80.1	78.8	82.3	80.6		76.9	75.1		63.1	61.7		50.8	48.5		41.7	39		32.7	30.1		155
160	79.7	78.2	77.8	81.4	80.3		76.3	74.9		62.5	61		49.8	47.2		40.9	38		32.2	29.4		160
165	77	76.5	76.4	79.1	79.9	75.8	75.8	74.8		61.9	60.2		48.8	45.9		40.1	36.9		31.7	28.7		165
170	74.3	74.9	75.2	76.3	79.4	75.4	75.2	74.7		61.4	59.4		47.8	44.6		39.3	35.9		31.3	28		170
175	71.9	73.6	73.4	73.7	78.6	75	74.4	74.5	70	60.8	58.7		46.9	43.4		38.5	34.9		30.7	27.2		175
180	69.4	72.3	71.4	71.2	76.7	74.7	72.3	74.3	69.8	60.3	57.9		46	42.1		37.7	33.9		30.1	26.5		180
185	66.8	70.7	69.5	68.7	74.3	74	69.9	73.9	69.5	59.9	57.1	55.7	45.2	41		37	32.9		29.5	25.8		185
190	64.3	68.8	67.7	66.2	71.9	71.8	67.4	73.5	68	59.5	56.2	54.9	44.4	39.8		36.3	31.9		28.9	25		190
195	61	66.2	66.2	63.8	69.5	69.8	65	71.8	66.1	59.3	55.3	53.9	43.7	38.7	36.6	35.6	30.9		28.4	24.3		195
200	56.9	63.9	65	61.5	66.9	67.8	62.6	69.4	64.2	59.2	54.3	53	43	37.7	35	35	30.1		27.8	23.6		200
205	52.3	61.6	63.9	58.1	64.5	65.9	60.4	67	62.4	59	53.4	51.8	42.5	36.8	33.5	34.4	29.2	25.8	27.3	22.8		205
210	47.2	59.5	63.1	53.1	62.1	64.2	57.6	64.6	60.7	57.4	52.6	50.3	42	35.9	32.2	33.9	28.4	24.6	26.9	22.1		210
215	40.2	57.3	61.7	46.9	60	62.5	52.3	62.3	59.1	53.7	51.9	48.8	41.7	35.1	31	33.5	27.6	23.3	26.5	21.4	17.2	215
220		53.1	59.7		58	60.8		60.1	57.5	50.3	51.5	47.6	41.6	34.3	29.8	33.2	26.8	22.3	26.2	20.7	16.3	220
225			57.7		55.5	59.3		58	56		51.2	46.4		33.5	28.7	33.1	26.1	21.2	25.9	20.1	15.4	225
230			55.8			57.7		56	54.6		51.2	45.3		32.9	27.6		25.4	20.3		19.5	14.6	230
235			53			56			53.2		51.2	44.3		32.5	26.7		24.9	19.5		18.9	13.8	235
240						54.4			51.8			43.5		32.2	25.8		24.3	18.6		18.4	13.1	240
245									50.3			42.9			25		24	17.9		18	12.4	245
250									48.9			42.6			24.3			17.2		17.6	11.8	250
255												42.5			23.6			16.5			11.2	255
260															23.1			16			10.6	260
265															22.7			15.4			10.1	265
270																		14.9			9.6	270
275																					9.3	275
280																					8.9	280

* adapter - pièce d'adaptateur

t_198_206_01201_00_000

Lifting capacities Forces de levage

TN 218 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 218 ft																					
85	86			82.4			74.4															85
90	85.7			82.1			74.2			63.7												90
95	85.1			81.8			74			63.7			54			42.1						95
100	84.4			81.6			73.9			63.7			54			41.9			31.2			100
105	83.6			81.2			73.8			63.6			53.9			41.7			31			105
110	83			80.6			73.7			63.6			53.7			41.5			30.9			110
115	82.3			80			73.5			63.6			53.5			41.4			30.8			115
120	81.6	79.3		79.5			73.3			63.4			53.3			41.2			30.7			120
125	81	78.6		78.9	76.1		72.9			63			52.8			41			30.6			125
130	80.2	77.9		78.4	75.8		72.6	68.9		62.3			52.3			40.9			30.5			130
135	79.4	77.2		78	75.3		72.3	68.9		61.4	59.4		51.6			40.8			30.4			135
140	78.6	76.7		77.6	74.8		71.9	68.9		60.4	59.2		50.9			40.5			30.3			140
145	77.7	76.1		77.2	74.3		71.5	68.9		59.2	58.1		49.9	48.2		40.3			30.2			145
150	76.9	75.6		76.5	73.9		71.1	68.7		58.9	56.6		48.9	47.2		39.7	37.2		30.1			150
155	76	75.1		75.9	73.5		70.6	68.4		58.5	56.3		48	46.1		39.1	36.8		29.8	27.2		155
160	75.4	74.3		75.3	73.1		70.1	68.1		58	56.2		47.1	45		38.5	35.9		29.6	27.2		160
165	74.8	73.2	71.2	74.7	72.9		69.7	67.9		57.5	56		46.2	43.8		37.8	35		29.3	26.8		165
170	73.2	72	70.6	73.9	72.6	68.8	69.3	67.8		57	55.5		45.3	42.7		37	34.1		28.9	26.3		170
175	71.1	70.7	69.7	71.8	72.4	68.4	68.9	67.7		56.5	54.8		44.5	41.6		36.3	33.2		28.6	25.6		175
180	68.8	69.4	68.7	69.6	72	68	68.5	67.6	63.3	56.1	54.2		43.6	40.5		35.6	32.3		28.1	24.9		180
185	66.6	68.3	67.5	67.4	71.4	67.8	67.8	67.5	63.3	55.7	53.6		42.8	39.4		34.9	31.4		27.6	24.3		185
190	64.3	67.1	65.8	65.2	69.8	67.6	66	67.5	63.1	55.3	52.9	50.4	42	38.3		34.2	30.5		27.1	23.7		190
195	62.1	65.7	64.3	63	68	67.4	64.1	67.3	63	54.9	52.3	50.4	41.3	37.3		33.6	29.6		26.6	23		195
200	59.8	63.9	62.8	60.7	65.9	66.4	61.9	67	62.7	54.7	51.7	50.1	40.6	36.3	34.6	33	28.8		26.1	22.4		200
205	56.3	61.6	61.5	58.6	63.6	64.6	59.7	65.4	61	54.5	51.1	49.3	40	35.3	33.1	32.4	27.9		25.6	21.8		205
210	52.6	59.4	60.4	56.6	61.4	62.8	57.6	63.6	59.3	54.4	50.3	48.5	39.5	34.4	31.6	31.8	27.1	24.2	25.1	21.1		210
215	48.6	57.4	59.5	53.9	59.3	61.1	55.6	61.4	57.8	54.1	49.5	47.6	39	33.6	30.4	31.3	26.4	23	24.8	20.5		215
220	44.1	55.5	58.8	49.7	57.2	59.5	53.5	59.3	56.2	52.4	48.9	46.5	38.6	32.8	29.2	30.9	25.7	21.9	24.3	19.9	16	220
225	39	53.6	57.4	44.5	55.3	58	49.1	57.2	54.7	49.4	48.3	45.2	38.3	32.1	28.1	30.5	25	20.9	24	19.2	15.1	225
230		49.8	55.7		53.4	56.5	43.1	55.3	53.3	46.4	47.9	44.1	38.2	31.4	27.1	30.3	24.3	19.9	23.7	18.6	14.3	230
235		43.5	53.8		51.7	55.1		53.4	52		47.7	43	38.2	30.8	26.1	30.2	23.6	19	23.4	18	13.5	235
240			52.1			53.7		51.7	50.7		47.7	42.1		30.2	25.2		23	18.1		17.5	12.8	240
245			50.5			52.4		48.2	49.5		47.7	41.2		29.7	24.3		22.5	17.3		17	12.1	245
250						50.9			48.3		46.9	40.5		29.5	23.4		22.1	16.6		16.5	11.5	250
255									47			39.9			22.7		21.7	15.9		16.1	10.9	255
260									45.7			39.6			22		15.2	15.8		15.8	10.3	260
265												39.5			21.4		14.6				9.7	265
270															20.9		14.1				9.3	270
275															20.6			13.6			8.9	275
280																		13.1			8.6	280
285																					8.2	285
290																					7.9	290

* adapter - pièce d'adaptateur

t_198_206_01301_00_000

Lifting capacities Forces de levage

TN 230 ft



Crane Model	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			Crane Model
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
85	77.9																					85
90	77.5			74.4			67.2															90
95	77.2			74			67			57.9			48.9									95
100	76.8			73.8			66.8			57.9			48.9			38						100
105	76.3			73.5			66.7			57.8			48.9			37.8			27.9			105
110	75.6			73.3			66.5			57.7			48.9			37.6			27.8			110
115	75			72.9			66.4			57.7			48.8			37.5			27.7			115
120	74.4			72.4			66.3			57.7			48.6			37.3			27.6			120
125	73.8	71.6		71.8			66.2			57.6			48.3			37.2			27.5			125
130	73.3	71.1		71.4	68.4		66			57.5			48			37			27.4			130
135	72.8	70.5		71	68.3		65.7	62		57			47.7			36.9			27.3			135
140	72.1	69.9		70.6	68.1		65.4	62		56.4	53.8		47.2			36.8			27.2			140
145	71.5	69.4		70.2	67.7		65.1	62		55.6	53.7		46.5			36.6			27.1			145
150	70.8	68.9		69.8	67.2		64.7	62		54.6	53.5		45.7	44.1		36.5			27			150
155	70	68.4		69.3	66.8		64.4	62		53.6	52.4		44.9	43.2		36.1	33.5		26.9			155
160	69.3	68		68.8	66.5		64	61.9		53.2	51.1		44.2	42.3		35.6	33.3		26.8	24.1		160
165	68.6	67.7		68.3	66.2		63.5	61.6		52.9	50.9		43.4	41.3		35.1	32.7		26.6	24.1		165
170	68.1	67.1	64.5	67.7	65.9		63.1	61.4		52.5	50.8		42.5	40.3		34.5	32		26.4	24.1		170
175	67.4	66.6	64	67.2	65.6		62.7	61.3		52.1	50.6		41.7	39.3		33.9	31.1		26.1	23.6		175
180	66.1	65.7	63.6	66.2	65.4	61.9	62.3	61.1		51.7	50.1		40.9	38.4		33.2	30.3		25.8	23.1		180
185	64.6	64.7	63.1	65	65.3	61.6	61.9	61	56.8	51.3	49.7		40.2	37.4		32.6	29.5		25.4	22.5		185
190	62.8	63.8	62.3	63.6	65.2	61.3	61.5	60.9	56.8	50.9	49.1		39.5	36.4		32	28.7		25	21.9		190
195	60.8	62.8	61.5	61.6	64.6	61.1	60.9	60.8	56.8	50.6	48.6	45.4	38.8	35.5		31.3	27.9		24.6	21.4		195
200	58.8	61.6	60.5	59.5	63.5	60.9	59.8	60.6	56.8	50.3	48.1	45.4	38.1	34.6		30.8	27.1		24.2	20.8		200
205	56.8	60.1	59.1	57.6	62.1	60.8	58.5	60.4	56.7	50	47.5	45.4	37.4	33.6	32.2	30.2	26.3		23.7	20.2		205
210	54.7	58.4	57.9	55.7	60.1	60.8	56.6	60	56.7	49.8	47	45.3	36.8	32.7	30.8	29.6	25.6		23.2	19.6		210
215	51.7	56.4	56.8	53.7	58.1	59.5	54.7	59.3	56.1	49.7	46.5	44.7	36.3	31.9	29.5	29.1	24.8	22.2	22.8	19.1		215
220	48.5	54.5	55.8	51.9	56.2	57.9	52.8	58.2	54.6	49.6	46	44	35.8	31.1	28.2	28.6	24.1	21	22.4	18.5		220
225	45	52.6	55	49.7	54.3	56.4	51	56.2	53.2	49.5	45.5	43.3	35.4	30.3	27.1	28.2	23.4	20	22	17.9	14.4	225
230	41.2	50.8	54.4	46.3	52.4	55	49.2	54.3	51.8	48	44.9	42.4	35.1	29.6	26	27.8	22.7	19	21.6	17.4	13.5	230
235	36.6	49.2	52.8	41.9	50.7	53.6	45.8	52.4	50.5	45.5	44.4	41.4	34.8	29	25.1	27.4	22.1	18.1	21.3	16.8	12.7	235
240		46.4	51.1		49	52.2	41.1	50.7	49.2	42.6	44.1	40.4	34.8	28.4	24.1	27.2	21.6	17.3	21	16.3	12	240
245		41.6	49.4		47.4	51		49	48	39.5	43.9	39.5	34.8	27.8	23.3	27.1	21	16.4	20.8	15.7	11.3	245
250			47.8		44.4	49.7		47.5	46.8		43.9	38.6		27.3	22.4		20.4	15.6	20.7	15.2	10.6	250
255			46.4			48.5		45.6	45.7		43.9	38		26.9	21.6		19.9	14.9		14.7	10	255
260						47.1			44.6		43.6	37.3		26.7	20.9		19.5	14.2		14.3	9.4	260
265						45.6			43.5			36.8		26.6	20.2		19.2	13.6		13.9	9	265
270									42.4			36.4			19.6		19	13		13.6	8.5	270
275												36.3			19			12.4			8.1	275
280												36.3			18.5			11.9			7.8	280
285															18.2			11.5			7.4	285
290																		11			7.1	290
295																		10.7			6.7	295
300																					6.4	300

* adapter - pièce d'adaptateur

L_198_206_01401_00_000

Lifting capacities Forces de levage

TN 241 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 241 ft																					
90	69.3			66.6						52.2												90
95	68.9			66.2			60.3															95
100	68.5			65.9			60.1			52.1			44.1									100
105	68.1			65.6			59.9			52			44.1			34.2			24.8			105
110	67.5			65.3			59.7			51.9			44.1			34			24.8			110
115	67			64.9			59.6			51.8			44			33.9			24.8			115
120	66.5			64.4			59.4			51.7			43.9			33.7			24.8			120
125	66			64			59.2			51.6			43.8			33.6			24.7			125
130	65.5	63.6		63.6			58.9			51.6			43.6			33.4			24.6			130
135	65	63.3		63.2	60.7		58.6			51.6			43.4			33.3			24.5			135
140	64.5	63		62.7	60.6		58.2	55.5		51.4			43.2			33.2			24.4			140
145	63.9	62.5		62.2	60.5		57.8	55.4		51	48.2		42.8			33.1			24.3			145
150	63.3	62		61.7	60.4		57.4	55.4		50.6	48.2		42.4			33			24.3			150
155	62.8	61.5		61.2	60		57	55.3		49.9	48.1		41.8	40.1		32.8			24.2			155
160	62.3	61.1		60.7	59.7		56.6	55.3		49.1	48		41.1	39.6		32.6	30		24.1			160
165	61.8	60.7		60.3	59.3		56.3	55.3		48.4	47.1		40.4	38.8		32.3	30		24	21.4		165
170	61.3	60.4		59.8	59		55.9	55.2		47.7	46.1		39.8	38.1		31.9	29.9		23.9	21.4		170
175	60.9	60.1		59.4	58.8		55.6	55		47.4	45.6		39.1	37.1		31.5	29.2		23.8	21.4		175
180	60.5	59.8	57.3	59.1	58.5		55.3	54.8		47.2	45.5		38.4	36.3		30.9	28.5		23.6	21.3		180
185	60.1	59.5	56.9	58.7	58.3	55.2	55	54.6		46.9	45.4		37.7	35.4		30.4	27.8		23.3	21		185
190	59.7	59.1	56.5	58.4	58	55	54.7	54.3		46.6	45.2		37	34.5		29.9	27.1		23	20.5		190
195	59.1	58.7	56.2	58.1	57.8	54.8	54.5	54.1	50.6	46.3	44.7		36.4	33.7		29.3	26.4		22.7	20		195
200	57.6	58.2	55.9	57.4	57.5	54.5	54.2	53.9	50.6	46	44.3		35.8	32.9		28.8	25.7		22.3	19.4		200
205	55.7	57.7	55.6	56	57.3	54.4	54.1	53.7	50.6	45.7	43.9	40.7	35.2	32		28.2	24.9		22	18.9		205
210	53.9	56.6	55.1	54.6	57.1	54.2	54	53.6	50.6	45.5	43.5	40.7	34.6	31.2		27.7	24.2		21.6	18.4		210
215	52.1	55.2	54.4	52.8	56.1	54.1	53.7	53.4	50.6	45.3	43.1	40.7	34	30.4	28.9	27.2	23.5		21.2	17.9		215
220	50.1	53.6	53.5	51.1	54.9	54.1	53.1	53.3	50.6	45.1	42.7	40.7	33.5	29.7	27.7	26.8	22.9		20.8	17.4		220
225	47.5	51.8	52.5	49.5	53.3	54.1	51.4	53.3	50.6	45.1	42.3	40.4	33	28.9	26.5	26.3	22.2	19.5	20.4	16.9		225
230	44.7	50.1	51.6	47.8	51.6	53.8	49.6	53	50.6	45.1	42	39.9	32.6	28.2	25.5	25.9	21.6	18.5	20	16.3		230
235	41.7	48.5	50.9	45.9	49.9	52.4	47.8	52.3	49.7	45.1	41.6	39.3	32.3	27.6	24.4	25.5	21	17.5	19.7	15.8	12.3	235
240	38.5	46.9	50.3	43	48.3	51.1	45.3	51	48.5	43.8	41.3	38.7	32	26.9	23.5	25.2	20.4	16.7	19.4	15.3	11.5	240
245	34.6	45.4	48.7	39.3	46.7	49.8	42.2	49.3	47.3	41.8	41	38.1	31.8	26.3	22.6	24.9	19.9	15.9	19.1	14.8	10.8	245
250		43.3	47.1	34.7	45.2	48.6	38.4	47.7	46.1	39.3	40.7	37.3	31.7	25.8	21.8	24.6	19.3	15.1	18.8	14.3	10.1	250
255		39.4	45.6		43.8	47.4		46.1	45	37.3	40.6	36.5	31.7	25.3	21	24.5	18.8	14.4	18.6	13.8	9.6	255
260			44.1		41.8	46.2		44.6	43.9		40.5	35.7		24.9	20.2	24.5	18.3	13.7	18.5	13.4	9.1	260
265			42.8			44.8		42.8	42.8		40.5	35.1		24.5	19.5		17.9	13.1	13	8.6		265
270						43.4			41.8		40.5	34.5		24.3	18.8		17.5	12.4		12.5	8.2	270
275						42.1			40.8			34.1		24.2	18.2		17.2	11.8		12.2	7.7	275
280									39.9			33.8			17.6		17	11.2		11.8	7.3	280
285									38.8			33.6			17.1		10.7	10.7		11.6	6.9	285
290												33.6			16.7			10.3			6.5	290
295															16.3			9.9			6.1	295
300																		9.5			5.8	300
305																		9.3			5.5	305
310																					5.2	310

* adapter - pièce d'adaptateur

t_198_206_01501_00_000

Lifting capacities Forces de levage

TN 253 ft



N ↙ ↘	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			↙ ↘ N		
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
95	62.6			60.2																		95		
100	62.2			59.9						54.5			47.2									100		
105	61.8			59.6						54.3			47.1			39.8			30.7			105		
110	61.5			59.4						54.1			47			39.8			30.6		21.5	110		
115	61.2			59.1						53.9			46.9			39.7			30.4		21.5	115		
120	60.8			58.8						53.8			46.8			39.7			30.3		21.5	120		
125	60.3			58.5						53.6			46.7			39.7			30.1		21.5	125		
130	59.9			58.1						53.5			46.6			39.6			30		21.5	130		
135	59.4	57.2		57.7						53.4			46.6			39.4			29.9		21.5	135		
140	59	57		57.3	54.9					53.2			46.5			39.3			29.7		21.5	140		
145	58.5	56.8		56.9	54.7			52.9	50			46.4			39.1			29.6		21.5		145		
150	58.1	56.5		56.5	54.6			52.7	49.9			46.3	43.4		38.8			29.5		21.5		150		
155	57.6	56		56	54.5			52.3	49.9			46.1	43.4		38.5			29.4		21.5		155		
160	57.1	55.7		55.6	54.3			52	49.8			45.5	43.4		38.1	36.1		29.3		21.4		160		
165	56.7	55.3		55.2	54.1			51.7	49.8			44.9	43.3		37.5	35.9		29.1	26.7	21.4		165		
170	56.3	54.9		54.7	53.7			51.3	49.8			44.4	43.1		36.9	35.4		29	26.7	21.3	18.5	170		
175	55.9	54.5		54.3	53.4			51	49.8			43.7	42.3		36.3	34.6		28.8	26.7	21.2	18.5	175		
180	55.5	54.3		53.9	53.2			50.7	49.7			43	41.4		35.7	33.9		28.6	26.5	21.1	18.5	180		
185	55.1	54	51.8	53.6	52.9			50.4	49.6			42.8	41.1		35.1	33.1		28.2	25.9	21	18.5	185		
190	54.7	53.8	51.4	53.2	52.7	49.7		50.1	49.4			42.6	41		34.5	32.4		27.7	25.3	20.7	18.5	190		
195	54.4	53.6	51.1	52.9	52.6	49.7		49.9	49.3			42.3	40.9		33.9	31.6		27.3	24.7	20.5	18.2	195		
200	54.1	53.4	50.8	52.6	52.3	49.6		49.6	49.2	45.4		42	40.7		33.3	30.9		26.8	24	20.3	17.7	200		
205	53.5	53.1	50.6	52.4	52.1	49.3		49.4	49.1	45.4		41.8	40.3		32.7	30.1		26.3	23.4	20	17.3	205		
210	52.2	52.8	50.3	52	51.8	49.1		49.2	48.9	45.4		41.6	40	36.5	32.2	29.4		25.8	22.7	19.6	16.8	210		
215	50.7	52.4	50.2	51.6	51.7	48.9		49.1	48.7	45.4		41.4	39.6	36.5	31.6	28.6		25.3	22.2	19.3	16.3	215		
220	49.2	51.5	50	50.9	51.5	48.8		49	48.6	45.4		41.2	39.3	36.5	31.1	27.9	26.6	24.9	21.6	18.9	15.8	220		
225	47.5	50.3	49.6	49.2	51.3	48.8		48.8	48.5	45.4		41	39	36.5	30.7	27.2	25.5	24.4	21	18.6	15.4	225		
230	45.7	48.8	49	47.7	51	48.8		48.5	48.4	45.4		40.9	38.6	36.5	30.2	26.5	24.4	24	20.4	17.9	14.9	230		
235	43.5	47.3	48.2	46.2	49.7	48.8		47	48.4	45.4		40.9	38.4	36.4	29.8	25.8	23.4	23.6	19.8	16.9	17.9	14.4	235	
240	41.1	45.9	47.5	44.5	48.2	48.8		45.5	48.2	45.4		40.9	38.1	36	29.4	25.2	22.4	23.2	19.2	16.1	17.5	14	10.7	240
245	38.5	44.4	46.8	42.1	46.7	48.6		43.8	47.8	45.4		40.9	37.8	35.6	29.1	24.6	21.5	22.9	18.6	15.3	17.2	13.5	10	245
250	35.6	43	45.9	39.5	45.2	47.5		41.7	46.7	44.6		39.9	37.6	35.1	28.9	24	20.6	22.6	18.1	14.5	17	13.1	9.4	250
255	32.3	41.6	44.5	36.4	43.7	46.4		39.1	45.2	43.5		38.2	37.4	34.5	28.7	23.5	19.8	22.3	17.7	13.8	16.7	12.6	8.8	255
260	28	40	43.1	32.5	42.3	45.3		35.9	43.7	42.5		36.1	37.3	33.9	28.7	23.1	19.1	22.1	17.2	13.1	16.4	12.2	8.2	260
265		36.9	41.7		40.9	44.2		31.9	42.3	41.4		34.8	37.2	33.3	28.7	22.6	18.4	22	16.7	12.5	16.3	11.7	7.7	265
270			40.4		38.9	43.1			40.9	40.4			37.2	32.6	28.7	22.3	17.8	22	16.3	11.8	16.1	11.3	7.2	270
275			39.2		34	41.9			39.6	39.5			37.2	32		22	17.1		15.9	11.2		10.9	6.7	275
280			37.6			40.6				38.5			37.2	31.5		21.7	16.5		15.5	10.6		10.5	6.2	280
285						39.3				37.6				31.1		21.6	15.9		15.2	10.1		10.2	5.8	285
290										36.8				30.8			15.4		15	9.6		9.9	5.4	290
295										35.9				30.7					14.9			9.6	5	295
300														30.7					14.5			8.8	4.6	300
305																			14.1			8.5	4.3	305
310																			14			8.2	4	310
315																						7.9	3.7	315
320																							3.4	320

* adapter - pièce d'adaptateur

t_198_206_01601_00_000

Lifting capacities Forces de levage

TN 264 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
95	56.8																					95
100	56.4			54.4			49.5															100
105	56.1			54.1			49.3			42.7			36.1									105
110	55.8			53.8			49.1			42.6			36			27.8						110
115	55.5			53.5			48.8			42.5			35.9			27.6			18.8			115
120	55.1			53.2			48.7			42.3			35.9			27.5			18.8			120
125	54.8			52.9			48.5			42.2			35.8			27.4			18.8			125
130	54.4			52.6			48.3			42.2			35.8			27.2			18.8			130
135	53.8			52.2			48.1			42.1			35.7			27.1			18.8			135
140	53.2	51.5		51.7			47.9			42			35.6			26.9			18.8			140
145	52.6	51.3		51.2	49.3		47.7			41.9			35.5			26.8			18.8			145
150	52	51.1		50.7	49.1		47.2	45		41.8			35.3			26.7			18.8			150
155	51.4	50.9		50.1	49		46.7	44.9		41.6	39		35.1			26.6			18.8			155
160	50.8	50.6		49.5	48.9		46.3	44.8		41.4	39		34.9			26.5			18.8			160
165	50.2	50.1		49	48.7		45.8	44.7		41.1	39		34.7	32.5		26.4			18.8			165
170	49.6	49.6		48.4	48.3		45.4	44.6		40.8	39		34.2	32.5		26.3	24		18.8			170
175	49.1	49		47.9	47.9		44.9	44.6		40.4	39		33.8	32.3		26.2	24		18.8	16.1		175
180	48.5	48.5		47.4	47.4		44.5	44.3		40	38.7		33.3	31.7		26.1	24		18.8	16.1		180
185	48	48		46.9	46.9		44.1	44		39.4	38.2		32.8	31.1		26	23.9		18.7	16.1		185
190	47.4	47.4	46.7	46.4	46.5		43.7	43.7		38.8	37.3		32.2	30.5		25.7	23.7		18.7	16.1		190
195	46.9	47	46.5	45.9	46		43.3	43.3		38.3	36.9		31.6	29.8		25.3	23.2		18.5	16.1		195
200	46.4	46.5	46	45.4	45.5	44.4	42.9	43		38	36.8		31.1	29.1		24.9	22.6		18.3	16.1		200
205	46	46	45.5	44.9	45.1	44.3	42.5	42.6	40.6	37.7	36.7		30.6	28.4		24.5	22		18.2	16		205
210	45.5	45.6	45.1	44.5	44.7	43.9	42.1	42.2	40.6	37.5	36.5		30	27.8		24.1	21.5		18	15.6		210
215	45.1	45.1	44.7	44.2	44.3	43.7	41.8	41.9	40.6	37.3	36.4	33.3	29.6	27.1		23.6	20.9		17.7	15.2		215
220	44.7	44.7	44.3	43.7	43.9	43.3	41.4	41.5	40.6	37	36.1	32.7	29.1	26.5		23.2	20.4		17.4	14.7		220
225	44.2	44.3	43.9	43.3	43.5	43	41.1	41.2	40.5	36.8	35.8	32.7	28.6	25.8	24.6	22.8	19.8		17.1	14.3		225
230	43.9	43.9	43.5	43	43.2	42.6	40.8	40.9	40.2	36.6	35.5	32.7	28.2	25.2	23.7	22.4	19.2		16.8	13.9		230
235	43.1	43.6	43.2	42.7	42.9	42.3	40.5	40.7	40	36.4	35.3	32.7	27.8	24.6	22.8	22	18.7	16.6	16.5	13.4		235
240	41.5	43.2	42.9	42.4	42.5	42	40.3	40.4	39.7	36.3	35	32.7	27.4	24	21.9	21.7	18.2	15.7	16.2	13		240
245	39.6	43	42.5	41.9	42.3	41.7	40.1	40.2	39.5	36.2	34.8	32.7	27	23.4	21	21.3	17.7	14.9	15.9	12.6		245
250	37.5	42.7	42.3	40.9	42	41.4	39.9	39.9	39.3	36.1	34.6	32.6	26.7	22.8	20.1	21	17.2	14.1	15.6	12.2	9	250
255	35.3	41.7	42	38.8	41.8	41.2	39.6	39.7	39.1	36	34.4	32.2	26.4	22.3	19.3	20.7	16.7	13.4	15.3	11.7	8.4	255
260	32.9	40.4	41.8	36.5	41.3	41	38.3	39.6	38.9	35.9	34.2	31.8	26.2	21.8	18.5	20.4	16.2	12.7	15	11.4	7.8	260
265	30.1	39.1	41.5	33.9	40.3	40.9	36.2	39.5	38.7	34.9	34.1	31.5	26.1	21.3	17.8	20.2	15.7	12	14.8	11	7.2	265
270	26.8	37.1	40.6	30.6	39	40.8	33.5	39.5	38.6	33.2	34.1	31.1	26.1	20.9	17.1	20	15.3	11.4	14.6	10.6	6.7	270
275		34.3	39.2	26.3	37.8	40.6	30	38.9	38.5	32.3	34.1	30.6	26.1	20.5	16.4	19.9	14.9	10.8	14.4	10.1	6.2	275
280		30.5	38		36.3	39.8		37.8	37.6		34.1	30	26.1	20.2	15.8	19.8	14.5	10.2	14.3	9.8	5.7	280
285			36.8		32.9	38.6		36.6	36.7		34.1	29.5		19.9	15.3		14.1	9.7	14.3	9.5	5.3	285
290			35.7			37.4		34	35.9		34.1	29.1		19.7	14.8		13.8	9.3		9.2	4.8	290
295						36.2			35.1		33.3	28.7		19.6	14.2		13.5	8.8		8.9	4.5	295
300									34.3			28.5		19.6	13.8		13.3	8.4		8.7	4.1	300
305									33.5			28.3			13.3			8.1		8.5	3.7	305
310												28.3			12.9			7.7			3.4	310
315												28.3			12.5			7.4				315
320															12.3			7.1				320
325																		6.9				325
330																		6.7				330

* adapter - pièce d'adaptateur

L_198_206_01701_00_000

Lifting capacities Forces de levage

TN 276 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 276 ft																					
100	51.3			49.4																		100
105	50.9			49																		105
110	50.6			48.7																		110
115	50.3			48.5																		115
120	50			48.2																		120
125	49.7			47.9																		125
130	49.4			47.7																		130
135	49			47.4																		135
140	48.6			47.1																		140
145	48.2	46.3		46.8																		145
150	47.7	46.1		46.3	44.3																	150
155	47.2	45.9		45.8	44.2																	155
160	46.6	45.7		45.4	44																	160
165	46.1	45.6		44.9	43.9																	165
170	45.6	45.3		44.4	43.7																	170
175	45.1	44.9		43.9	43.6																	175
180	44.6	44.4		43.5	43.3																	180
185	44	44		43	42.9																	185
190	43.5	43.5		42.5	42.5																	190
195	43	43		42	42																	195
200	42.5	42.6	41.7	41.5	41.6																	200
205	42	42.1	41.6	41.1	41.2	39.7																205
210	41.6	41.6	41.2	40.7	40.8	39.7																210
215	41.1	41.2	40.8	40.3	40.4	39.6																215
220	40.7	40.7	40.4	39.8	40	39.4																220
225	40.3	40.4	39.9	39.4	39.6	39																225
230	39.9	40	39.6	39.1	39.2	38.7																230
235	39.5	39.6	39.2	38.7	38.9	38.3																235
240	39.1	39.2	38.8	38.3	38.5	38																240
245	38.6	38.8	38.5	38	38.2	37.7																245
250	37.8	38.5	38.2	37.8	37.8	37.4																250
255	36.1	38.2	37.9	37.5	37.6	37.1																255
260	34.3	38	37.6	37	37.3	36.8																260
265	32.4	37.7	37.3	35.4	37.1	36.6																265
270	30.2	36.9	37.1	33.5	36.9	36.4																270
275	27.8	35.7	37	31.2	36.5	36.2																275
280	24.9	34.1	36.7	28.5	35.6	36.1																280
285	20.7	31.8	35.9	25.3	34.5	36																285
290		28.8	34.7		33.3	35.9																290
295			33.7		31	35.3																295
300			32.6			34.2																300
305			29.8			33.1																305
310						32.1																310
315																						315
320																						320
325																						325
330																						330
335																						335
340																						340

* adapter - pièce d'adaptateur

t_198_206_01801_00_000

Lifting capacities Forces de levage

TN 287 ft



	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 287 ft																					
105	45.1			43.7																		105
110	44.4			43.1																		110
115	43.8			42.6																		115
120	43.2			42																		120
125	42.7			41.5																		125
130	42.1			41																		130
135	41.6			40.5																		135
140	41			40																		140
145	40.5			39.5																		145
150	40	40		39																		150
155	39.5	39.5		38.6	38.5																	155
160	39.1	39		38.1	38.1																	160
165	38.6	38.5		37.7	37.6																	165
170	38.2	38.1		37.3	37.2																	170
175	37.7	37.7		36.9	36.8																	175
180	37.3	37.3		36.5	36.5																	180
185	36.9	36.9		36.1	36.1																	185
190	36.6	36.5		35.7	35.7																	190
195	36.2	36.1		35.4	35.4																	195
200	35.8	35.8		35	35																	200
205	35.5	35.5	35.1	34.7	34.7																	205
210	35.2	35.1	34.8	34.4	34.4	33.8																210
215	34.9	34.8	34.5	34.1	34.1	33.5	32.3	32.3														215
220	34.6	34.6	34.2	33.9	33.9	33.3	32	32	31.3													220
225	34.3	34.3	33.9	33.6	33.6	33	31.8	31.8	31.1													225
230	34.1	34	33.6	33.4	33.4	32.8	31.6	31.6	30.9	29	28.1	27.3										230
235	33.7	33.8	33.4	33.1	33.1	32.6	31.4	31.4	30.7	28.8	28	26.5	24	21.8								235
240	33.3	33.6	33.2	32.9	32.9	32.4	31.3	31.2	30.5	28.7	27.9	25.8	23.6	21.3	20.1							240
245	32.9	33.2	33	32.6	32.7	32.2	31.1	31	30.4	28.4	27.8	25.8	23.2	20.8	19.4							245
250	32.3	32.8	32.8	32	32.5	32	31	30.9	30.2	28	27.7	25.8	22.9	20.3	18.7	17.7	14.8	12.8				250
255	31.7	32.4	32.6	31.5	32.2	31.8	30.6	30.7	30.1	27.9	27.6	25.8	22.6	19.8	18	17.4	14.4	12.1	12.4	9.6		255
260	31.1	31.8	32.4	31	31.9	31.7	30.2	30.6	30	27.8	27.5	25.8	22.3	19.4	17.3	17.1	13.9	11.4	12.2	9.2	6.6	260
265	30.6	31.3	32	30.4	31.3	31.6	29.7	30.5	29.8	27.8	27.5	25.8	22.1	18.9	16.6	16.8	13.5	10.8	11.9	8.9	5.9	265
270	30.1	30.7	31.4	29.9	30.8	31.4	29.2	30.1	29.7	27.7	27.5	25.8	21.8	18.5	15.9	16.6	13.1	10.1	11.7	8.5	5.4	270
275	29.3	30.2	30.9	29.4	30.3	31	28.8	29.8	29.7	27.3	27.5	25.8	21.6	18.1	15.2	16.3	12.7	9.5	11.4	8.2	4.8	275
280	27.9	29.8	30.4	29	29.8	30.6	28.4	29.3	29.6	27	27.5	25.6	21.4	17.7	14.6	16.1	12.3	9	11.2	7.8	4.3	280
285	25.9	29.3	29.9	28.5	29.4	30.1	28	28.9	29.5	26.8	27.4	25.4	21.3	17.3	14	15.9	11.9	8.4	11	7.5	3.9	285
290	23.4	28.8	29.4	26.6	29	29.7	27.7	28.5	29.3	26.8	27.2	25.1	21.3	16.9	13.4	15.7	11.6	7.9	10.9	7.2	3.4	290
295	20.8	28.4	29	23.8	28.6	29.2	26.2	28.1	28.9	26.6	26.9	24.9	21.3	16.6	12.9	15.6	11.3	7.4	10.7	6.9		295
300		27.1	28.7		28.2	28.9		27.9	28.5	25.2	26.7	24.7	21.3	16.3	12.4	15.6	11	6.9	10.6	6.6		300
305		23.4	28.3		27.9	28.5		27.6	28.1		26.4	24.5		16.1	11.9	15.6	10.7	6.5	10.6	6.4		305
310			28		28.2			27.4	27.8		26.3	24.2		15.9	11.5		10.4	6.1		6.1		310
315						27.9			27.6		26.3	24		15.8	11.1		10.1	5.7		5.9		315
320						27.8			27.4			23.7		15.8	10.6		9.9	5.3		5.7		320
325									27.3			23.6			10.2		9.8	5		5.5		325
330									27.3			23.6			9.9			4.7		5.4		330
335											23.6				9.6			4.4				335
340															9.4			4.2				340
345															9.3			3.9				345
350																		3.8				350

* adapter - pièce d'adaptateur

L_198_206_01901_00_000

Lifting capacities Forces de levage

TN 299 ft



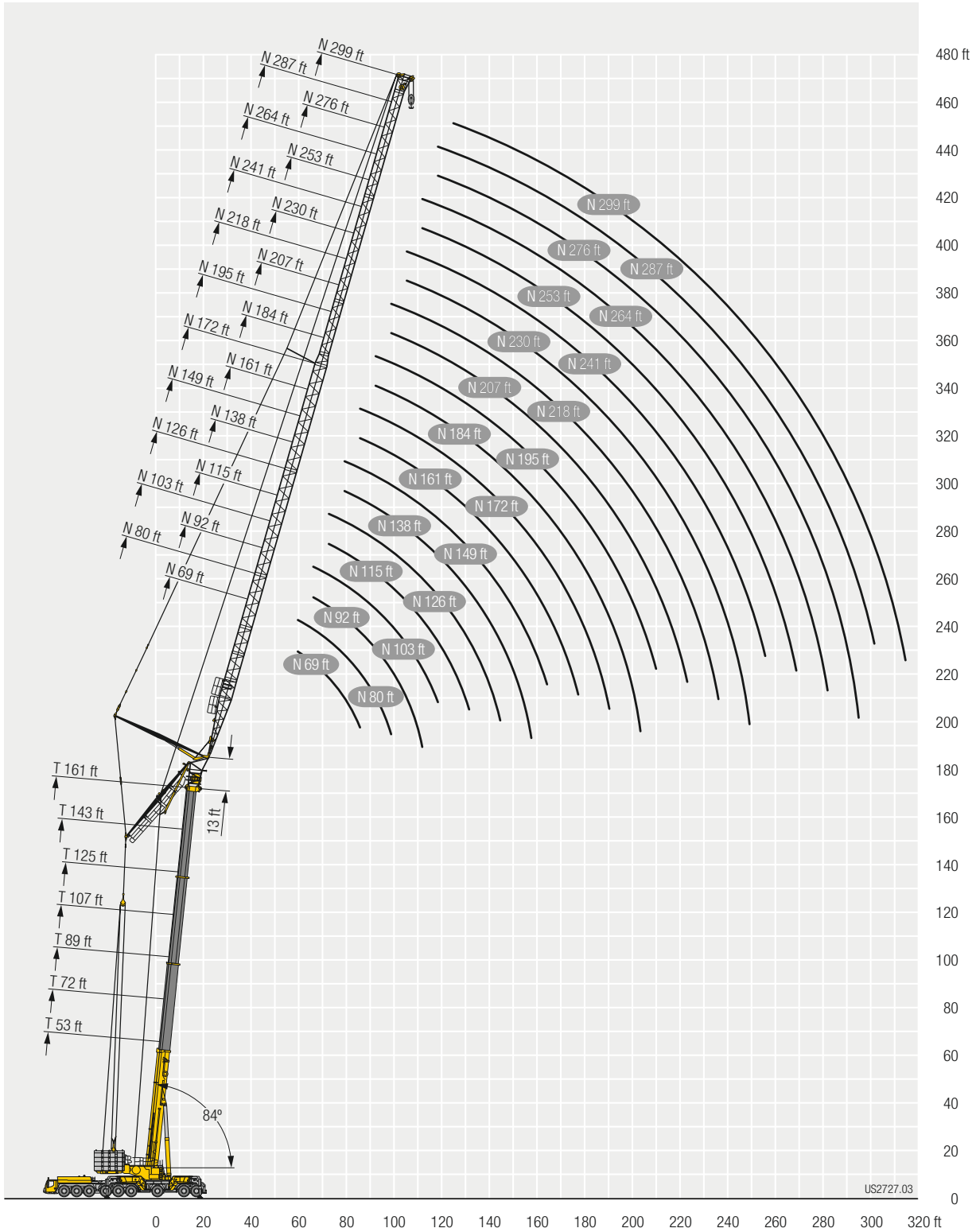
Crane Model	53 ft + 13.1 ft*			72 ft + 13.1 ft*			89 ft + 13.1 ft*			107 ft + 13.1 ft*			125 ft + 13.1 ft*			143 ft + 13.1 ft*			161 ft + 13.1 ft*			Crane Model
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
105	41.4																					105
110	41			39.5			36															110
115	40.5			39.2			35.8			31.1			26.2									115
120	39.9			38.8			35.6			30.9			26.1			19						120
125	39.4			38.3			35.3			30.8			26			19			10.9			125
130	38.9			37.8			35.1			30.6			25.9			18.9			10.9			130
135	38.4			37.4			34.7			30.5			25.9			18.9			10.9			135
140	37.9			36.9			34.3			30.2			25.8			18.9			10.9			140
145	37.4			36.5			33.9			30			25.7			18.9			10.9			145
150	36.9			36			33.6			29.7			25.6			18.9			10.9			150
155	36.5	36.4		35.6			33.2			29.4			25.6			18.9			10.9			155
160	36	36		35.1	35		32.9			29.1			25.4			18.8			10.9			160
165	35.6	35.6		34.7	34.7		32.5	32		28.9			25.3			18.7			10.9			165
170	35.2	35.1		34.3	34.3		32.2	31.9		28.6	27.9		25.1			18.6			10.9			170
175	34.8	34.8		34	33.9		31.9	31.8		28.3	27.8		25			18.5			10.9			175
180	34.4	34.4		33.6	33.5		31.6	31.5		28.1	27.7		24.8	23.2		18.4			10.9			180
185	34	34		33.3	33.2		31.2	31.2		27.8	27.7		24.6	23.1		18.3	16		10.9			185
190	33.7	33.6		32.9	32.9		30.9	30.9		27.6	27.5		24.4	23		18.3	16		10.9	9.4		190
195	33.3	33.3		32.6	32.5		30.6	30.6		27.4	27.3		24.3	23		18.2	16		10.9	9.4		195
200	33	33		32.3	32.2		30.4	30.3		27.2	27.1		24.1	22.9		18.1	16		10.9	9.4		200
205	32.7	32.6		31.9	31.9		30.1	30.1		27	26.9		23.9	22.7		18	16		10.9	9.4		205
210	32.4	32.3	32	31.7	31.6		29.8	29.8		26.8	26.7		23.6	22.2		17.9	16		10.9	9.4		210
215	32.1	32	31.7	31.4	31.4		29.6	29.6		26.6	26.5		23.3	21.7		17.8	16		10.9	9.4		215
220	31.8	31.7	31.4	31.1	31.1	30.5	29.4	29.4		26.4	26.3		23	21.4		17.6	15.7		10.9	9.4		220
225	31.5	31.5	31.1	30.9	30.8	30.3	29.2	29.1		26.1	26.1		22.6	20.9		17.4	15.3		10.9	9.4		225
230	31.3	31.2	30.8	30.7	30.6	30.1	29	28.9	28.3	25.9	25.6		22.3	20.4		17.1	14.9		10.9	9.4		230
235	31.1	31	30.6	30.4	30.4	29.8	28.8	28.7	28.1	25.7	25.2	22.8	21.9	19.9		16.8	14.5		10.9	9.4		235
240	30.8	30.8	30.4	30.2	30.2	29.6	28.6	28.5	27.9	25.5	25	24.2	21.6	19.5		16.5	14.1		10.9	9.2		240
245	30.7	30.6	30.2	30	30	29.4	28.4	28.4	27.7	25.2	24.8	23.5	21.2	19.1	18	16.2	13.7		10.9	8.9		245
250	30.5	30.4	30	29.9	29.8	29.2	28.3	28.2	27.6	25	24.6	22.8	20.9	18.6	17.4	15.9	13.3		10.9	8.6		250
255	30.4	30.2	29.8	29.7	29.6	29.1	28.2	28.1	27.4	24.8	24.4	22.8	20.6	18.2	16.7	15.6	12.9		10.8	8.2		255
260	30.2	30.1	29.7	29.6	29.5	28.9	28	27.9	27.3	24.6	24.2	22.8	20.3	17.8	16.1	15.3	12.5	10.4	10.6	7.9		260
265	30.1	29.9	29.5	29.4	29.4	28.8	27.8	27.8	27.2	24.4	24.1	22.8	20	17.3	15.4	15	12.1	9.8	10.3	7.6		265
270	29.8	29.8	29.4	29.2	29.2	28.7	27.6	27.6	27.1	24.2	23.9	22.8	19.8	16.9	14.8	14.8	11.7	9.2	10.1	7.2	4.4	270
275	29.4	29.6	29.2	29	29	28.5	27.5	27.5	27	24.1	23.7	22.8	19.5	16.5	14.2	14.5	11.3	8.5	9.9	6.9	3.9	275
280	28.4	29.4	29	28.9	28.9	28.4	27.4	27.3	26.8	24	23.6	22.8	19.3	16.1	13.5	14.3	11	8	9.7	6.6	3.4	280
285	27	29.3	28.9	28.8	28.7	28.3	27.3	27.2	26.7	23.9	23.4	22.8	19.1	15.8	12.9	14.1	10.6	7.4	9.5	6.2		285
290	25.4	29.1	28.7	27.8	28.6	28.1	27.3	27.1	26.5	23.8	23.3	22.7	19	15.4	12.4	13.9	10.2	6.9	9.3	5.9		290
295	23.6	28.7	28.6	26.3	28.6	28	27.2	27	26.4	23.8	23.2	22.6	18.9	15	11.8	13.7	9.9	6.4	9.2	5.6		295
300	21.5	28.2	28.6	24.4	28.4	27.9	25.9	27	26.2	23.8	23.2	22.5	18.8	14.7	11.3	13.6	9.6	5.9	9.1	5.3		300
305	19	27	28.4	22	28	27.8	24.1	27	26.2	23.8	23.2	22.2	18.8	14.4	10.8	13.5	9.2	5.5	9	5.1		305
310		25	28.1		27.7	27.8	21.7	27	26.2	22.7	23.2	22.1	18.8	14.2	10.3	13.5	9	5.1	8.9	4.8		310
315			27.8		26.8	27.8		27	26.2		23.2	22	18.8	13.9	9.9	13.5	8.7	4.7	8.8	4.5		315
320			27.4		23.7	27.6		26.7	26.2		23.2	21.8		13.8	9.5		8.5	4.3		4.3		320
325			26.6			27.4			26.2		23.2	21.7		13.7	9.1		8.4	3.9		4.1		325
330						27			26.2		23	21.5		13.7	8.8		8.2	3.6		3.9		330
335									26.1			21.3			8.4		8.1			3.8		335
340									25.6			21.3			8.2					3.7		340
345												21.3			7.9							345
350															7.7							350
355															7.6							355

* adapter - pièce d'adaptateur

L_198_206_02001_00_000

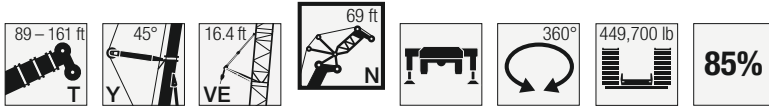
Lifting heights Hauteurs de levage

TN



Lifting capacities Forces de levage

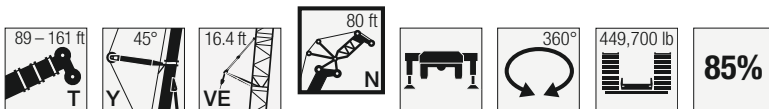
TYVEN 69 ft - 80 ft



	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	N 69 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
45	293.6															45
50	282.8			278.8												50
55	269.6			265.5			259.5			252						55
60	257.1			252.9			247.5			240.2			230.6			60
65	245.1			241.4			236.3			229.3			220.2			65
70	233.6	236.2		229.2			223.8			219.3			210.5			70
75	221.9	222.4		216.7	201.6		211.6			209.8			201.5			75
80	204.5	210.1		205.9	188.2		200.6			200.4			193.1			80
85		199		197.2	176.7		190.9	171.9		190.6			185			85
90		188.5			167			161.6		181.9	161.7		177.2			90
95		177.8			158.3			152.7			152.5			150.6		95
100		168	152.6		151.2			145.3			144.4			142.2		100
105			144.7					138.6			137.3			134.9		105
110			137.6			122.8					131.2			128.6		110
115			130.9			115.8								122.8		115
120						109.8										120
125						104.8							97.9			125
130													92.5			130
135													87.9		85.8	135
140													83.9		81.2	140
145															77.4	145

* adapter - pièce d'adaptateur

t_198_207_00001_00_000



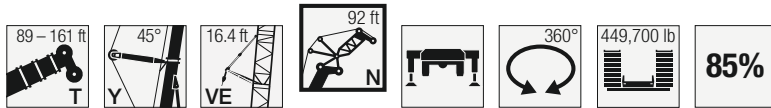
	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	N 80 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
50	266.1															50
55	259.5			255			249.1									55
60	248.7			244.2			238.5			230.6						60
65	238.4			233.9			228.5			221			209.8			65
70	228.5			224.3			219.1			212			203.1			70
75	219	219		215			210.2			203.6			195			75
80	207	209.5		204.5	194.9		200.2			195.6			187.5			80
85	191.1	198.4		194	181.1		189.4			188			180.4			85
90	177.2	188.1		184.4	170		180.3	166.1		180.6			173.6			90
95	164.9	177.6		172.7	160.1		172	156		172.7	157.3		167.1			95
100		168.1	144.1		151.8			147.3		165.2	147.8		160.7	147.4		100
105		159.3	144.1		144.5			139.6			139.8			138.8		105
110		151.3	137		138.3			133			132.7			131.4		110
115			130.5		132.9	121.2		127.2			126.6			125		115
120			124.5			113.8		122.3			121.1			119.2		120
125			118.9			107.5					116.4			114.1		125
130			113.7			102.1										130
135						97.5							91.7			135
140													86.7		85.8	140
145													82.4		80.6	145
150													78.7		76.5	150
155															73	155
160															69.8	160

* adapter - pièce d'adaptateur

t_198_207_00101_00_000

Lifting capacities Forces de levage

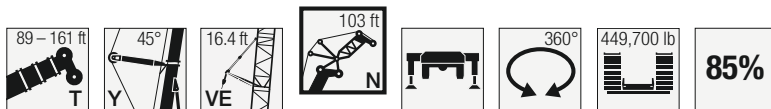
TYVEN 92 ft - 103 ft



	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	N 92 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
50	250.4															50
55	250.4			249.6												55
60	244.3			240.2			233.8									60
65	234.1			229.9			224.5			216.8						65
70	224.5			220.4			215.1			208.2			199			70
75	215.4			211.3			206.3			199.8			191.4			75
80	206.7	206.7		201.1			196.8			191.9			183.9			80
85	196.3	197		191.3	180.5		187.1			184.5			176.8			85
90	182.1	186.3		182.2	169.7		178.2			177.4			170.1			90
95	169.5	176.4		173.8	160.2		170.3	155.9		170.7			163.8			95
100	158.5	166.9		165.3	151.6		162.8	147.4		163.3	147.6		157.9			100
105		158.2		154.8	144		156.2	139.7		156.3	139.8		152.1	138.3		105
110		150.4			137.4		150.7	132.9		150.2	132.8		146.6	131.3		110
115		143.2	129.2		131.4			126.8			126.4			125		115
120		136.5	123.3		126.2	115.4		121.4			120.8			119.2		120
125			117.8		121.9	108.8		116.6			115.7			113.9		125
130			112.7			103.1		112.5	99.2		111.1			109.2		130
135			108			98			93.4		106.9			104.8		135
140			103.5			93.7			88.7			87.9		101		140
145						89.9			84.5			83.2				145
150									80.9			79.2			77.5	150
155									77.7			75.7			73.5	155
160												72.6			70.1	160
165															67.1	165
170															64.5	170

* adapter - pièce d'adaptateur

L_198_207_00201_00_000



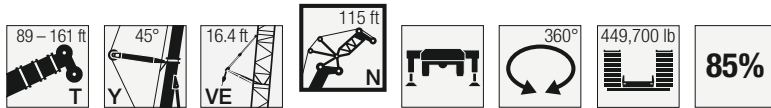
	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	N 103 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
55	226.6															55
60	226.6			221.4												60
65	225.7			220.8			213.7			206			190.2			65
70	218.2			213.4			206.4			198.8			183.5			70
75	209.9			205.6			198.9			191.9			177.4			75
80	202.1			197.8			191.8			185.4			171.4			80
85	194.5	191.9		188.8			184.8			178.9			165.7			85
90	182.7	183.6		180	172.6		177.6			172.4			159.8			90
95	170.3	174.1		172.1	162.1		169.8			166.3			154.4			95
100	159.3	165.6		164.8	153.3		162.5	151		160.5			149.1			100
105	149.4	157.7		155.5	145.6		155.8	142.8		155	142.1		149.1			105
110	140.7	150.2		146.1	138.5		149.8	135.9		149.6	135.7		144.1	130.9		110
115	132.9	143		137.7	132		142.6	129.5		144.3	129.4		139.3	125.2		115
120		136.5	122.8	130.3	126.3		134.7	123.6		139.1	123.5		134.5	120.1		120
125		130.4	117.4		121.1			118.2			118.1		129.8	115.2		125
130		124.8	112.4		116.6	106.2		113.5			113.1			110.3		130
135			107.7		112.7	101		109.1			108.6			105.6		135
140			103.3			96		105.5	92.7		104.3			101.4		140
145			99.3			91.6			88.3		100.6	85.4		97.5		145
150			95.4			87.6			84			82.1		94		150
155						84.2			80.2			78.9			74.9	155
160						81.2			76.8			75.4			72.1	160
165									73.9			72.2			68.9	165
170												69.3			65.8	170
175												66.8			63.1	175
180															60.6	180

* adapter - pièce d'adaptateur

L_198_207_00301_00_000

Lifting capacities Forces de levage

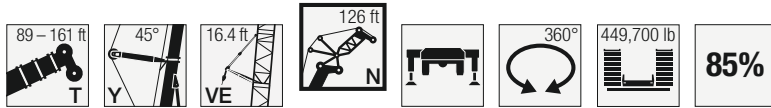
TYVEN 115 ft - 126 ft



Lift Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Lift Height (ft)		
	N 115 ft																	
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
60	203.8															60		
65	203.8			194.5			195									65		
70	203.5			194.5			194.1					189.2				70		
75	200.1			194.5			188.8					183				75		
80	193.6			190.9			182.7					177.4			174.7	80		
85	187			184.7			176.8					171.8			164	85		
90	179.5	175.3		177.2			171.2					166.3			158.9	90		
95	170.5	170.9		169.1	159		165.6					161.2			154.2	95		
100	159.4	162.7		161.8	154.6		160					156.2			149.6	100		
105	149.2	155.1		155.2	146.1		154.6	143.7				151.2			145	105		
110	140.6	148.1		146.3	138.7		149.1	137.3				146.2	132.6		140.5	110		
115	132.7	141.7		137.6	132.4		142.2	131.3				141.5	126.8		135.9	115		
120	125.6	135.7		130.1	126.5		134.1	125.8				136.8	121.6		131.8	120		
125	119.3	129.8	116.5	123.3	121.1		126.8	120.5				131.7	116.7		127.7	125		
130		124.2	111.5	117.1	116.1		120.3	115.6				124.8	112.2		123.6	130		
135		119.1	106.8		111.6	100.7		111				118.6	108		119.7	135		
140		114.2	102.5		107.5	96.7		106.7				104			100.7	140		
145			98.5		104.2	92.8		102.8	88.2			99.9			97.1	145		
150			94.7		101.2	89		98.9	84.8			96.1			93.5	150		
155			91.2			85		95.1	81.6			92.5	77.6		90	155		
160			87.8						78.6				74.8			86.6	160	
165									75.8				72.1				68.6	165
170									73.1				69.5				66.2	170
175									70.6				67.1				63.9	175
180									68.1				64.5				61.5	180
185													62				59	185
190																	56.7	190

* adapter - pièce d'adaptateur

L_198_207_00401_00_000



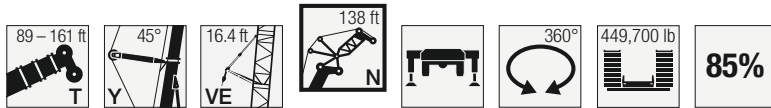
Lift Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Lift Height (ft)		
	N 126 ft																	
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
65	182.3			181.9												65		
70	182.3			181.9			175.2									70		
75	182.3			181.6			175.2					173.1				75		
80	182.2			180.5			175.2					171.3			164.6	80		
85	181			176.9			172.5					166.1			159.3	85		
90	177.6			171.2			167.1					160.8			154.2	90		
95	170.3	167.7		165.7			161.9					155.7			149.4	95		
100	160.5	159.8		160.5	153.4		156.9					151			144.9	100		
105	150.8	152.2		154.9	146.2		152.1					146.5			140.6	105		
110	141.9	145.4		146.5	139.7		146.5	135				142.2			136.5	110		
115	133.9	139.1		138.3	133.6		141.1	129.2				137.9	125.1		132.6	115		
120	126.8	133.3		130.7	128.1		135.7	123.9				133.6	120		128.8	120		
125	120.2	128		123.7	123		128.8	118.9				129.4	115.2		124.9	125		
130	114.4	123		117.5	118.2		122.1	114.3				125.1	110.7		121	130		
135	109	118.3	105.6	111.9	113.8		116	110				119.6	106.6		117.3	135		
140	100.8	113.6	101.6	106.8	109.6	95.5	110.6	106				113.7	102.7		113.7	140		
145		109.1	97.7		105.4	92	105.6	102.3				108.4	99.1		110	145		
150		104.9	93.9		101.3	88.6		98.6	84.2				95.7			92.2	150	
155		101	90.4		97.5	85.2		94.9	81.1				92.4			89.1	155	
160			87.1		93.9	82.1		91.4	78.2				89	74.5		86.2	160	
165			84			79.2		88.1	75.3				85.8	71.8		83.1	165	
170			81			76.4			72.7				82.8	69.3		80.1	65.5	170
175			78.2						70.2					66.9		77.3	63.2	175
180									67.8					64.6			61	180
185									65.5					62.4			59	185
190									63.3					60.4			57	190
195														58.4			55.2	195
200																	53.4	200
205																	51.6	205

* adapter - pièce d'adaptateur

L_198_207_00501_00_000

Lifting capacities Forces de levage

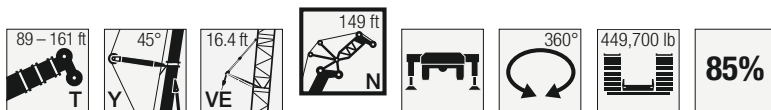
TYVEN 138 ft - 149 ft



Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Height (ft)	
	N 138 ft																
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
65	166.1															65	
70	166.1			160.7												70	
75	166.1			160.7			159.9				154.6					75	
80	166			160.7			159.9				154.6			150.7		80	
85	164.8			160.7			159.9				154.6			150.2		85	
90	163.2			160.7			158.1				153.8			147.9		90	
95	161.2			159.7			153.5				149.8			143.4		95	
100	157.1	152.3		155.1			149.1				145.4			139.3		100	
105	149.6	149.5		150.3	143.5		144.7				141.2			135.4		105	
110	141.4	143		145.1	137.1		140.5				137.2			131.7		110	
115	133.4	136.8		138.2	131.2		136.4	126.5			133.4			128.1		115	
120	126.2	131.1		130.5	125.7		132.5	121.3			129.7	117		124.6		120	
125	119.7	125.8		123.6	120.7		127	116.4			126.1	112.3		121.3	108.7	125	
130	113.7	121		117.3	116		120.4	111.9			122.5	108		118.1	104.5	130	
135	108.3	116.4		111.5	111.7		114.3	107.7			118.3	103.9		114.9	100.6	135	
140	103.4	112.2		106.3	107.6		108.8	103.8			112.5	100.2		111.6	96.9	140	
145	98.9	108.3	99.9	101.5	103.8		103.8	100.2			107.2	96.7		108.3	93.5	145	
150	93.9	104.4	92.9	97.1	100.3	87	99.3	96.7			102.3	93.3		105.1	90.3	150	
155		100.5	89.7		96.9	84	95	93.5			97.9	90.2		101.7	87.3	155	
160		96.8	86.4		93.4	81.2		90.5	76.6			87.3		97.4	84.5	160	
165		93.4	83.3		90	78.3		87.3	74.1			84.6	70		81.8	165	
170			80.4		86.8	75.6		84.3	71.6			81.7	67.7		79.3	170	
175			77.6			73		81.4	69.1			78.9	65.6		76.8	62.1	175
180			75			70.5			66.8			76.2	63.3		74.2	60.2	180
185			72.5			68.1			64.5				61.2		71.7	58.2	185
190						65.9			62.4				59.2			56.2	190
195						63.7			60.4				57.2			54.4	195
200									58.5				55.4			52.6	200
205													53.6			50.9	205
210													51.9			49.3	210
215																47.8	215

* adapter - pièce d'adaptateur

L_198_207_00601_00_000



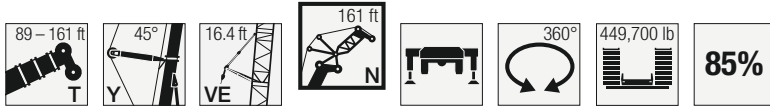
Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Height (ft)	
	N 149 ft																
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
70	147.2															70	
75	147.2			148.1					146.2							75	
80	147.2			148.1					145.8				142.1			80	
85	147.2			148.1					144.6				140.2			85	
90	147.2			146.9					143.6				139.3			90	
95	146.9			145.6					141.8				138.4			95	
100	145.7			144.4					138.1				136.5			100	
105	144.6	138.8		142.9					134.2				133			105	
110	140.4	137.7		138.8	132				130.5	123.7			129.4			110	
115	132.8	134.7		134.6	129.4				127	119.7			126			115	
120	126.2	129.2		129.5	124.1				123.5	115			122.6	110.6		120	
125	119.8	124		123	119.2				119.5	110.5			119.4	106.3		125	
130	113.8	119.3		116.8	114.6				113.9	106.4			116.2	102.3		130	
135	108.4	114.8		111	110.3				108.3	102.6			111.9	98.6		135	
140	103.3	110.6		105.8	106.3				103.3	99			107.1	95.2		140	
145	98.6	106.7	94.9	100.9	102.6				98.6	95.6			102.2	91.9		145	
150	94.4	103.1	91.6	96.5	99.1				94.4	92.4			97.6	88.9		150	
155	90.4	99.7	88.4	92.4	95.8	82.9			90.4	89.4			93.4	86		155	
160	86.6	96.5	85.5	88.5	92.7	80.1			86.6	86.6	73.1		89.5	83.3		160	
165		93.2	82.7	83.9	89.8	77.5					84		85.7	80.7		165	
170		89.9	80		86.9	75.1					81.4			78.3	64.5	170	
175		86.9	77.3		83.9	72.7					81.4			76	62.5	175	
180		83.9	74.7		81.1	70.3					78.7			76	64.4	180	
185			72.2		78.3	68					76			76	64.4	185	
190			69.9			65.8					62.3			71.1	58.8	190	
195			67.7			63.6					60.2				56.9	195	
200			65.5			61.6					58.3				55.1	200	
205						59.7					56.5				53.3	205	
210											54.7				51.7	210	
215															50.1	215	
220															48.5	220	
225																44.2	225

* adapter - pièce d'adaptateur

L_198_207_00701_00_000

Lifting capacities Forces de levage

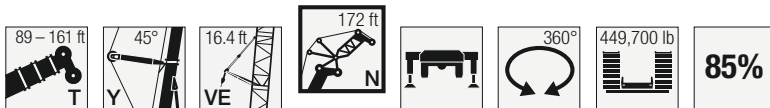
TYVEN 161 ft - 172 ft



Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Height (ft)
	N 161 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
75	131.6			136.7												131.6
80	131.6			136.7												131.6
85	131.6			134.9												131.6
90	131.6			133.7												131.6
95	131.6			132.7												131.6
100	131.6			129.7												131.6
105	131.3			130.6												131.3
110	130.4	125		129.7												130.4
115	129.5	123.9		127.6	119.8											129.5
120	123.9	123		123.8	118.2				114.2							123.9
125	117.9	121.4		120	116.1				112.2							117.9
130	112.5	116.7		114.7	112.3				108							112.5
135	107.3	112.3		109.3	108.1				104							107.3
140	102.4	108.2		104.3	104.1				100.2							102.4
145	97.7	104.4		99.6	100.5				96.7							97.7
150	93.4	100.8		95.2	97				93.4							93.4
155	89.5	97.5	86.3	91.1	93.8	78.2			90.3							89.5
160	85.8	94.3	83.4	87.3	90.8	75.6			87.3							85.8
165	82.2	91.3	80.7	83.7	87.9	73.2			84.6							82.2
170	79	88.5	78.2	80.3	85.2	73.2			82.1	68.8						79
175		85.9	75.7	77	82.6	70.9			79.5	66.7						
180		83.1	73.4		80.2	68.8			77.2	64.6						
185		79.9	71.2		77.7	66.7			75	62.7						
190		76.8	68.9		75.2	64.8			72.7	60.8						
195			66.7		72.8	62.7			70.4	59.1						
200			64.6			60.7			68.2	57.3						
205			62.6			58.8				55.5						
210						57				53.7						
215						55.2				52.1						
220										50.5						
225										49						
230																
235																
240																

* adapter - pièce d'adaptateur

t_198_207_00801_00_000



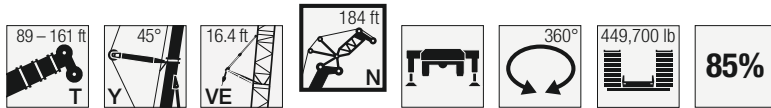
Height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Height (ft)
	N 172 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
75	120.1															120.1
80	120.1			124.1												120.1
85	120.1			123.2												120.1
90	120.1			122.3												120.1
95	120.1			121.3												120.1
100	120.1			120.3												120.1
105	120.1			119.6												120.1
110	119.6			118.8												119.6
115	118.9	113		118												118.9
120	118.3	112.3		117.5	111.4											118.3
125	116	111.7		116.8	110.7											116
130	112	111		113.5	109.7				106.7							112
135	107.3	110.2		109.1	106.2				102.7							107.3
140	102.6	106.5		104.3	102.4				99							102.6
145	98.3	102.7		99.9	98.8				95.5							98.3
150	94.2	99.2		95.9	95.4				92.3							94.2
155	90.2	95.9	82.1	91.9	92.2	71.9			89.2							90.2
160	86.5	92.8	79.4	88	89.2	69.7			86.3							86.5
165	82.9	89.9	76.9	84.4	86.4	67.5			83.6							82.9
170	79.6	87.1	76.9	81	83.7	65.5			81							79.6
175	76.5	84.5	74.5	77.8	81.2	63.9			78.6							76.5
180	73.7	82	72.2	74.8	78.8	62.1			76.3							73.7
185		79.7	70.1	71.2	76.6	60.2			74.1	63.9						
190		77.3	68		74.4	58.4			72	62						
195		74.5	66.1		72.4	56.8			70	60.2						
200		71.7	64.2		70.2	55.1			68.1	58.4						
205			62.2		68	53.5			66.1	56.7						
210			60.3			52.1			64.1	55.2						
215			58.5			50.5				53.7						
220			56.7			49				52.1						
225						47.5				50.5						
230						46.1				49						
235										47.5						
240										46.1						
245																
250																

* adapter - pièce d'adaptateur

t_198_207_00901_00_000

Lifting capacities Forces de levage

TYVEN 184 ft



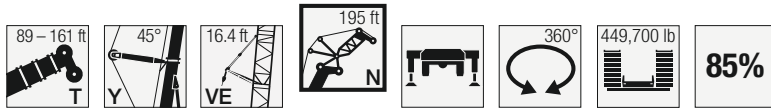
	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
80	107.9															80
85	107.9			112.3			110.4									85
90	107.9			111.5			109.7									90
95	107.9			110.6			109			105.7			99.5			95
100	107.9			109.8			108.2			105			99.5			100
105	107.9			109			107.6			104.5			99.5			105
110	107.9			108.2			106.9			103.9			99.5			110
115	107.9			107.5			106.2			103.3			99.5			115
120	107.7	102.3		106.9			105.6			102.8			99.4			120
125	107.1	101.6		106.4	100.8		105.1			102.3			99.1			125
130	106.3	101.1		105.9	100.3		104.7	98.6		101.9			98.8			130
135	104.5	100.6		104.7	99.8		104.2	98.2		101.6			98.2			135
140	101.5	100.1		102.7	99.3		102.9	96.7		101.2	93.1		97.5			140
145	97.3	99.5		98.9	97		100	93.5		99.9	89.9		96.1	86.3		145
150	93.3	97.5		94.7	93.7		96.2	90.3		97.2	86.8		94.1	83.3		150
155	89.6	94.2		91.1	90.5		92.5	87.3		94.5	83.9		91.9	80.5		155
160	86.2	91.2		87.6	87.6		89	84.4		91.4	81.2		89.8	77.9		160
165	82.8	88.2		84.2	84.8		85.7	81.8		87.8	78.6		87.7	75.4		165
170	79.5	85.5	75.4	80.9	82.2		82.3	79.2		84.5	76.2		85.7	73.1		170
175	76.3	82.9	73	77.7	79.7	68.2	79	76.8		81.3	73.8		83	70.8		175
180	73.4	80.5	70.8	74.6	77.3	66.1	75.8	74.6		78	71.6		80	68.7		180
185	70.6	78.2	68.7	71.7	75.1	64.1	72.9	72.4	60.3	74.9	69.6		76.9	66.7		185
190	68	75.9	66.6	69.1	73	62.2	70.2	70.3	58.5	72	67.6		73.9	64.8		190
195	61.9	73.8	64.7	66.5	71	60.4	67.6	68.4	56.8	69.3	65.7	53.3	71	63		195
200		71.4	62.9	58.9	69	58.7	64.8	66.5	55.1	66.8	63.9	51.7	68.3	61.3		200
205		68.7	61.2		67.2	57.1		64.8	53.6		62.2	50.2	65.9	59.6	46.8	205
210		66.3	59.5		65.4	55.5		63.1	52.1		60.6	48.8		58	45.5	210
215			57.9		63.5	54		61.5	50.7		59	47.5		56.6	44.2	215
220			56.1			52.6		59.7	49.3		57.6	46.2		55.1	43	220
225			54.5			51			48		55.9	44.9		53.8	41.8	225
230			52.8			49.5			46.6			43.7		52.3	40.7	230
235						48			45.3			42.5			39.6	235
240						46.6			43.9			41.3			38.5	240
245									42.6			40.1			37.4	245
250												38.9			36.3	250
255												37.7			35.2	255
260															34.2	260

* adapter - pièce d'adaptateur

t_198_207_01001_00_000

Lifting capacities Forces de levage

TYVEN 195 ft



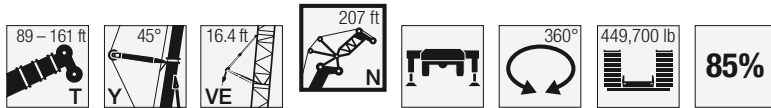
N 195 ft	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			N 195 ft
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
85	96.6			100.6												85
90	96.6			100.6			99.4									90
95	96.6			100.4			98.9			95.4						95
100	96.6			99.7			98.3			95.4			92.3			100
105	96.6			99			97.7			95.1			92			105
110	96.6			98.3			97			94.6			91.5			110
115	96.6			97.6			96.4			94			91			115
120	96.6			97			95.8			93.6			90.6			120
125	96.6	92.2		96.5			95.3			93.1			90.2			125
130	96.6	91.8		96	91		94.9			92.7			89.9			130
135	96.2	91.3		95.6	90.6		94.5	89		92.3			89.5			135
140	95.5	90.8		95.1	90.1		94.2	88.6		92	85.7		89.2			140
145	94.7	90.4		94.6	89.7		93.9	88.3		91.7	85.4		89			145
150	92	90		93.2	89.4		93.6	88.1		91.6	85.1		88.5	81.5		150
155	88.3	89.7		89.8	88.8		91.3	85.8		91.2	82.7		87.3	79.4		155
160	85	89.4		86.3	86.2		87.7	83		88.9	80.1		85.9	76.8		160
165	81.9	86.9		83.1	83.5		84.4	80.4		86.1	77.5		84.4	74.4		165
170	78.9	84.2		80.1	80.9		81.3	77.9		82.9	75.1		83	72.1		170
175	76	81.7	71.9	77.2	78.5		78.4	75.6		79.8	72.9		80.9	69.9		175
180	73.1	79.3	69.7	74.3	76.2		75.6	73.3		77	70.7		78.5	67.8		180
185	70.4	77	67.6	71.4	73.9	63.1	72.6	71.2		74.2	68.7		75.8	65.8		185
190	67.7	74.8	65.6	68.7	71.9	61.2	69.8	69.2	57.4	71.4	66.7		73.1	63.9		190
195	65.3	72.8	63.7	66.2	69.9	59.4	67.2	67.3	55.8	68.7	64.9		70.3	62.2		195
200	63	70.8	62	63.8	68	57.7	64.8	65.5	54.2	66.1	63.1	50.9	67.7	60.5		200
205	58.9	68.4	60.2	61.6	66.2	56.1	62.5	63.7	52.6	63.8	61.4	49.4	65.2	58.8		205
210		65.9	58.6		64.5	54.6	60.4	62.1	51.2	61.6	59.8	48.1	62.9	57.3	44.7	210
215		63.6	57.1		62.8	53.1		60.5	49.8	58.6	58.2	46.7	60.7	55.8	43.5	215
220		61.4	55.6		61.3	51.7		59	48.4		56.8	45.5		54.4	42.3	220
225		59.3	54.1		59.7	50.4		57.5	47.2		55.4	44.2		53	41.1	225
230			52.7			49.1		56.1	45.9		54.1	43.1		51.7	40	230
235			51.2			47.8		54.5	44.8		52.7	42		50.5	39	235
240			49.7			46.4			43.6			40.9		49.3	37.9	240
245			48.3			45.1			42.4			39.9			37	245
250						43.8			41.2			38.8			36	250
255									40			37.7			35.1	255
260									38.9			36.6			34.1	260
265												35.5			33.1	265
270															32.1	270
275															31.2	275

* adapter - pièce d'adaptateur

L_198_207_01101_00_000

Lifting capacities Forces de levage

TYVEN 207 ft



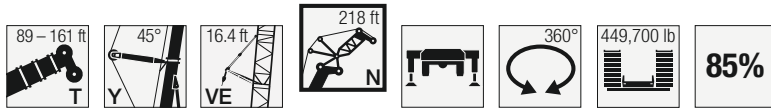
N ↙ ↘	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			↙ ↘ N
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
85	87.1															85
90	87.1			89.7			88.6									90
95	87.1			89.7			88.6									95
100	87.1			89.7			88.6			83.6						100
105	87.1			89.7			88.6			83.6			83.1			105
110	87.1			89.5			88.4			83.6			83.1			110
115	87.1			88.8			87.8			83.6			83.1			115
120	87.1			88.3			87.3			83.6			82.8			120
125	87.1			87.8			86.8			83.6			82.4			125
130	87.1	83.4		87.3			86.2			83.6			82			130
135	86.9	83		86.6	82.4		85.7			83.6			81.7			135
140	86.2	82.5		85.7	81.9		85	80.6		83.3			81.3			140
145	85.3	82.1		84.8	81.5		84.1	80.2		82.7	77.6		80.8			145
150	84.4	81.7		83.9	81.2		83.2	79.9		81.8	77.4		80.1			150
155	83.4	81.3		83	80.9		82.3	79.7		81.1	77.2		79.3	74.3		155
160	82.3	81.1		82.1	80.6		81.4	79.4		80.3	77.1		78.6	74.2		160
165	80.9	80.8		81.2	80.3		80.6	78.8		79.5	76.1		77.9	73.2		165
170	78.1	80.7		79.3	79.3		79.8	76.5		78.7	73.7		77.2	70.9		170
175	75.4	80.1		76.5	77		77.6	74.2		77.7	71.5		76.6	68.8		175
180	72.8	77.9	68.3	73.8	74.7		74.9	72		75.9	69.3		75.6	66.7		180
185	70.2	75.6	66.3	71.2	72.6		72.3	69.9		73.6	67.3		74.3	64.8		185
190	67.7	73.5	64.3	68.7	70.5	59.9	69.8	67.9		71.2	65.4		72.3	62.9		190
195	65.2	71.4	62.5	66.2	68.5	58.2	67.3	66		68.7	63.6		69.9	61.2		195
200	62.8	69.5	60.7	63.8	66.7	56.5	64.8	64.2	53	66.2	61.8		67.4	59.5		200
205	60.6	67.6	59	61.5	64.9	54.9	62.4	62.5	51.5	63.8	60.2	48.3	65	57.9		205
210	58.5	65.8	57.4	59.4	63.2	53.4	60.2	60.8	50	61.4	58.6	46.9	62.6	56.3		210
215	55.3	63.4	55.8	57.4	61.5	51.9	58.2	59.2	48.6	59.3	57.1	45.6	60.4	54.9	42.6	215
220		61.2	54.4	54	60	50.5	56.2	57.7	47.3	57.3	55.6	44.4	58.3	53.5	41.4	220
225		59.1	53		58.5	49.2	51	56.3	46	55.1	54.2	43.1	56.3	52.1	40.3	225
230		57.1	51.6		57.1	47.9		54.9	44.8		52.9	42		50.8	39.1	230
235		55.2	50.3		55.7	46.7		53.6	43.6		51.6	40.9		49.6	38.1	235
240			49		54.2	45.5		52.3	42.5		50.4	39.8		48.4	37.1	240
245			47.7			44.4		51	41.5		49.2	38.8		47.3	36.1	245
250			46.4			43.2			40.4		48	37.8		46.2	35.2	250
255			45.1			42			39.4			36.9		45.1	34.3	255
260						40.8			38.3			35.9			33.4	260
265									37.2			35			32.6	265
270									36.1			34			31.7	270
275												33			30.8	275
280															29.9	280
285															29	285

* adapter - pièce d'adaptateur

L_198_207_01201_00_000

Lifting capacities Forces de levage

TYVEN 218 ft



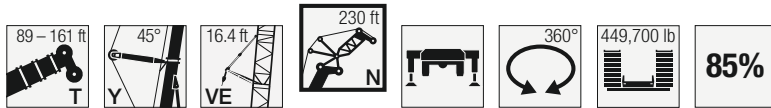
Jib Length (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Jib Length (ft)
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
90	78.6															90
95	78.6			80.3			79.2									95
100	78.6			80.3			79.2									100
105	78.6			80.3			79.2			76.7			73.3			105
110	78.6			80.3			79.2			76.7			73.3			110
115	78.6			80.3			79.2			76.7			73.3			115
120	78.6			80.3			79.2			76.7			73.3			120
125	78.6			80.1			79.1			76.7			73.3			125
130	78.6			79.6			78.7			76.7			73.3			130
135	78.6	75.5		79.2			78.3			76.7			73.3			135
140	78.6	75.3		78.7	74.7		77.9			76.3			73.3			140
145	78.5	74.9		78.1	74.3		77.4	73.1		75.9			73.3			145
150	78	74.5		77.5	74		76.7	72.8		75.3	70.8		73.3			150
155	77.3	74.2		76.8	73.7		76	72.5		74.7	70.5		72.9	67.8		155
160	76.5	73.9		76.1	73.3		75.4	72.2		74	70.3		72.4	67.7		160
165	75.8	73.6		75.4	73.1		74.7	72		73.4	70.2		71.8	67.6		165
170	75.1	73.3		74.7	72.9		74.1	71.8		72.8	70		71.2	67.5		170
175	73.8	73.1		74	72.6		73.5	71.6		72.2	69.7		70.7	67.1		175
180	71.3	73		72.2	72.5		72.5	70.3		71.6	68		70.2	65.4		180
185	68.9	72.8		69.8	71		70.6	68.3		70.5	66		69.6	63.5		185
190	66.6	71.9	62.8	67.5	68.9		68.3	66.3		69.1	64.1		68.9	61.6		190
195	64.3	69.9	61	65.2	67	56.7	66.1	64.5		67	62.3		67.9	59.9		195
200	62.1	68	59.3	63	65.2	55.1	63.9	62.7		64.8	60.6		65.8	58.2		200
205	59.9	66.2	57.6	60.8	63.4	53.5	61.7	61	50	62.6	58.9		63.6	56.7		205
210	57.7	64.4	56	58.6	61.7	52	59.5	59.4	48.6	60.5	57.4		61.5	55.1		210
215	55.8	62.6	54.5	56.6	60.1	50.6	57.4	57.8	47.3	58.3	55.9	44.4	59.3	53.7		215
220	53.9	60.4	53.1	54.7	58.6	49.2	55.4	56.3	46	56.3	54.4	43.2	57.2	52.3	40.2	220
225	51.5	58.3	51.7	52.9	57.1	47.9	53.6	54.9	44.7	54.4	53	42	55.3	51	39.1	225
230	46.3	56.3	50.3	50.8	55.7	46.6	51.8	53.6	43.5	52.6	51.7	40.9	53.4	49.7	38	230
235		54.4	49		54.4	45.4	48.5	52.3	42.4	50.8	50.5	39.8	51.6	48.5	37	235
240		52.6	47.8		53.1	44.3		51	41.3		49.2	38.7	49.4	47.3	36	240
245		50.9	46.6		51.8	43.2		49.8	40.2		48.1	37.7		46.2	35.1	245
250			45.5		50.6	42.1		48.7	39.2		47	36.7		45.1	34.1	250
255			44.4			41.1		47.6	38.2		45.9	35.8		44.1	33.2	255
260			43.2			40.1			37.3		44.9	34.9		43.1	32.4	260
265			42			39			36.4			34		42.2	31.6	265
270						38			35.5			33.2			30.8	270
275						36.9			34.5			32.4			30	275
280									33.5			31.5			29.3	280
285												30.6			28.5	285
290												29.7			27.7	290
295															26.8	295

* adapter - pièce d'adaptateur

L_198_207_01301_00_000

Lifting capacities Forces de levage

TYVEN 230 ft



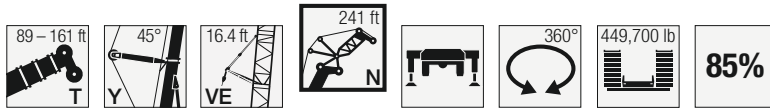
↙	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			↘
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
95	70.8			72												95
100	70.8			72												100
105	70.8			72			71.3									105
110	70.8			72			71.3			68.9			65.6			110
115	70.8			72			71.3			68.9			65.6			115
120	70.8			72			71.3			68.9			65.6			120
125	70.8			72			71.3			68.9			65.6			125
130	70.8			72			71.3			68.9			65.6			130
135	70.8			72			71.3			68.9			65.6			135
140	70.8	68.1		71.7			70.9			68.9			65.6			140
145	70.8	68		71.2	67.6		70.5			68.9			65.6			145
150	70.8	67.8		70.7	67.3		70	66.2		68.7			65.6			150
155	70.7	67.4		70.3	66.9		69.5	65.9		68.2	64		65.6			155
160	70.2	67.1		69.7	66.6		69	65.6		67.7	63.8		65.6	61.3		160
165	69.5	66.8		69.1	66.4		68.4	65.4		67.2	63.6		65.6	61.2		165
170	68.9	66.5		68.4	66.1		67.7	65.1		66.6	63.4		65.1	61.1		170
175	68.2	66.3		67.8	65.8		67.1	64.9		66	63.3		64.6	61		175
180	67.5	66.1		67.2	65.6		66.6	64.7		65.5	63.2		64	61		180
185	66.3	65.9		66.4	65.5		66	64.6		64.9	63		63.5	60.8		185
190	64.7	65.8		65.1	65.4		65.1	64.4		64.3	62.2		63.1	59.7		190
195	62.8	65.7	59.2	63.6	65		64	62.6		63.7	60.4		62.6	58		195
200	60.7	65.5	57.5	61.5	63.4		62.4	60.9		63	58.8		62.2	56.4		200
205	58.7	64.4	55.9	59.5	61.7	51.8	60.3	59.2		61.2	57.1		61.6	54.9		205
210	56.8	62.7	54.4	57.5	60	50.3	58.3	57.6	46.9	59.2	55.6		60.1	53.4		210
215	54.8	61.1	52.9	55.6	58.4	48.9	56.4	56.1	45.6	57.2	54.1		58.1	52		215
220	52.9	59.2	51.4	53.7	56.9	47.6	54.5	54.6	44.3	55.3	52.7	41.5	56.2	50.6		220
225	51.1	57.3	50.1	51.8	55.5	46.3	52.6	53.3	43.1	53.4	51.4	40.4	54.3	49.3		225
230	49.4	55.3	48.7	50.1	54.1	45	50.8	51.9	41.9	51.5	50.1	39.2	52.4	48	36.4	230
235	47.7	53.4	47.5	48.4	52.7	43.9	49.1	50.6	40.8	49.8	48.8	38.2	50.6	46.8	35.4	235
240	43.7	51.6	46.3	46.7	51.5	42.7	47.5	49.4	39.7	48.2	47.6	37.1	48.9	45.7	34.4	240
245		49.9	45.1	42.2	50.3	41.6	45.6	48.2	38.7	46.6	46.5	36.1	47.3	44.6	33.5	245
250		48.3	44		49.1	40.6		47.1	37.7		45.4	35.2	45.6	43.5	32.6	250
255		46.7	42.9		48	39.6		46	36.7		44.3	34.3		42.5	31.7	255
260			41.9		46.6	38.6		45	35.8		43.3	33.4		41.5	30.9	260
265			40.9		45.2	37.7		44	34.9		42.3	32.6		40.6	30	265
270			39.9			36.8			34.1		41.4	31.7		39.6	29.3	270
275			38.9			35.9			33.2			30.9		38.8	28.5	275
280						35			32.4			30.2			27.8	280
285						34			31.6			29.5			27.1	285
290									30.7			28.7			26.4	290
295									29.9			27.9			25.8	295
300												27.1			25.1	300
305															24.3	305

* adapter - pièce d'adaptateur

L_198_207_01401_00_000

Lifting capacities Forces de levage

TYVEN 241 ft



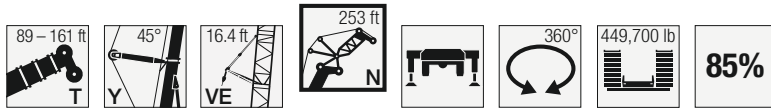
↙	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			↘
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
95	62.3															95
100	62.3			63.1												100
105	62.3			63.1			62.3									105
110	62.3			63.1			62.3									110
115	62.3			63.1			62.3			60.6			58.6			115
120	62.3			63.1			62.3			60.6			58.6			120
125	62.3			63.1			62.3			60.6			58.6			125
130	62.3			63.1			62.3			60.6			58.6			130
135	62.3			63.1			62.3			60.6			58.6			135
140	62.3			63.1			62.3			60.6			58.6			140
145	62.3	60.3		63			62.2			60.6			58.6			145
150	62.3	60.3		62.5	60.5		61.9			60.6			58.6			150
155	62.2	60.3		62	60.1		61.4	59.2		60.2			58.6			155
160	61.7	60.2		61.4	59.8		60.9	58.9		59.7	57.5		58.5			160
165	61.2	59.9		60.8	59.5		60.3	58.6		59.2	57.3		58	55.2		165
170	60.7	59.6		60.4	59.3		59.8	58.4		58.7	57.1		57.6	55.1		170
175	60.2	59.4		59.9	59		59.4	58.2		58.3	56.9		57.2	55		175
180	59.8	59.2		59.4	58.8		58.9	57.9		57.8	56.8		56.8	54.9		180
185	59.3	58.9		59	58.5		58.5	57.8		57.4	56.6		56.4	54.8		185
190	59	58.6		58.6	58.3		58.1	57.6		57.1	56.4		56.1	54.7		190
195	58.6	58.4		58.2	58.1		57.7	57.4		56.7	56.2		55.7	54.6		195
200	58.3	58.1	53.6	57.9	57.7		57.4	57.2		56.4	56		55.4	54.5		200
205	57.2	57.8	53.5	57.4	57.4		57.1	56.9		56.1	55.8		55.1	54		205
210	55.6	57.6	53.1	56.1	57.2	49	56.3	56.3		55.8	54.9		54.9	52.7		210
215	53.8	57.3	51.6	54.5	56.8	47.7	55	54.8		55.6	53.4		54.7	51.3		215
220	52.1	57.1	50.2	52.7	55.6	46.3	53.4	53.3	43.1	55.2	52		54.5	50		220
225	50.4	55.9	48.8	51	54.2	45.1	51.7	52	41.9	53.8	50.7	39.8	54.1	48.7		225
230	48.7	54.3	47.5	49.4	52.8	43.9	50	50.6	40.7	52.1	49.4	38.7	52.8	47.4		230
235	47.1	52.5	46.3	47.7	51.5	42.7	48.4	49.4	39.6	50.3	48.2	37.6	51.1	46.2	34.9	235
240	45.6	50.8	45.1	46.1	50.2	41.6	46.8	48.2	38.5	48.6	47	36.6	49.4	45.1	33.9	240
245	44.1	49.2	44	44.7	49	40.5	45.2	47	37.5	47	45.8	35.6	47.7	44	33	245
250	41.2	47.5	42.9	43.2	47.9	39.4	43.8	45.9	36.5	45.5	44.7	34.7	46.1	42.9	32.1	250
255	36.1	46	41.8	40	46.7	38.4	42.3	44.8	35.6	44	43.7	33.8	44.6	41.9	31.2	255
260		44.5	40.8		45.6	37.5		43.8	34.7	41	42.6	32.9	43	40.9	30.4	260
265		43.1	39.8		44.3	36.6		42.8	33.8		41.7	32		39.9	29.6	265
270		41.6	38.9		42.9	35.7		41.8	33		40.7	31.2		39	28.8	270
275			38		41.7	34.8		40.9	32.1		39.8	30.4		38.1	28.1	275
280			37.1			34		40.1	31.4		38.9	29.7		37.3	27.3	280
285			36.2			33.2			30.6		38.1	28.9		36.5	26.6	285
290			35.3			32.4			29.9			28.2		35.7	25.9	290
295						31.6			29.2			27.5			25.3	295
300									28.5			26.8			24.7	300
305									27.6			26.2			24	305
310												25.4			23.4	310
315															22.7	315
320															22	320

* adapter - pièce d'adaptateur

L_198_207_01501_00_000

Lifting capacities Forces de levage

TYVEN 253 ft



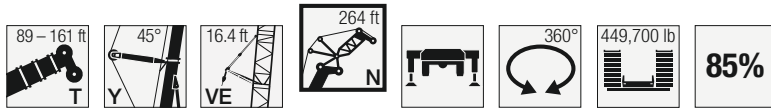
↙	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			↘
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
100	56.8															100
105	56.8			57.4												105
110	56.8			57.4			56.9									110
115	56.8			57.4			56.9			54.2						115
120	56.8			57.4			56.9			54.2			50.4			120
125	56.8			57.4			56.9			54.2			50.4			125
130	56.8			57.4			56.9			54.2			50.4			130
135	56.8			57.4			56.9			54.2			50.4			135
140	56.8			57.4			56.9			54.2			50.4			140
145	56.8			57.4			56.9			54.2			50.4			145
150	56.8	54.4		57.2			56.7			54.2			50.4			150
155	56.8	54.4		56.9	54.9		56.4			54.2			50.4			155
160	56.5	54.4		56.4	54.6		55.9	53.7		54.2			50.4			160
165	56.1	54.4		55.9	54.3		55.4	53.5		54.2	52		50.4			165
170	55.7	54.3		55.4	54		55	53.2		54.1	51.8		50.4	49.9		170
175	55.2	54		55	53.8		54.5	53		53.7	51.6		50.4	49.8		175
180	54.8	53.8		54.5	53.5		54.1	52.8		53.3	51.4		50.4	49.7		180
185	54.3	53.5		54.1	53.2		53.7	52.5		52.9	51.3		50.4	49.6		185
190	53.9	53.3		53.7	53		53.3	52.4		52.5	51.2		50.4	49.4		190
195	53.6	53.1		53.3	52.9		52.9	52.2		52.2	51		50.4	49.4		195
200	53.2	52.9		52.9	52.7		52.6	52.1		51.8	50.9		50.4	49.3		200
205	52.9	52.7		52.6	52.4		52.2	51.9		51.5	50.8		50.4	49.3		205
210	52.6	52.5	48.4	52.3	52.2		51.9	51.7		51.2	50.7		50.4	49.2		210
215	52.1	52.2	48.3	52	52	46.6	51.7	51.5		51	50.6		50.1	49.1		215
220	51.5	52	48.1	51.5	51.8	45.3	51.4	51.3		50.7	50.4		49.9	48.3		220
225	50.2	51.8	47.7	50.8	51.5	44.1	51	50.8	40.9	50.6	49.1		49.7	47		225
230	48.6	51.6	46.5	49.2	51.3	42.9	49.9	49.6	39.7	50.3	47.8		49.5	45.8		230
235	47.1	51.2	45.3	47.7	50.5	41.7	48.3	48.4	38.7	49	46.6	36	49.2	44.6		235
240	45.6	50.6	44.1	46.2	49.2	40.6	46.8	47.2	37.6	47.5	45.4	35	48.2	43.5	32.3	240
245	44.1	49.1	43	44.7	48	39.5	45.3	46	36.6	46	44.3	34.1	46.7	42.4	31.4	245
250	42.7	47.5	41.9	43.2	46.8	38.5	43.9	44.9	35.6	44.5	43.2	33.2	45.2	41.4	30.6	250
255	41.2	46	40.8	41.9	45.7	37.5	42.4	43.8	34.7	43	42.2	32.3	43.7	40.4	29.7	255
260	38.3	44.5	39.8	40.4	44.7	36.6	41	42.8	33.8	41.7	41.2	31.4	42.3	39.4	28.9	260
265	33.8	43.1	38.8	37.5	43.6	35.6	39.7	41.8	32.9	40.3	40.2	30.6	40.9	38.4	28.1	265
270		41.7	37.9		42.6	34.7	36.1	40.8	32.1	38.4	39.2	29.8	39.6	37.5	27.3	270
275		40.3	37		41.5	33.9		39.9	31.2		38.4	29	36.5	36.7	26.6	275
280		39	36.1		40.2	33		39	30.5		37.5	28.3		35.8	25.9	280
285			35.2		39	32.2		38.1	29.7		36.6	27.5		35	25.2	285
290			34.4			31.5		37.3	29		35.8	26.8		34.2	24.5	290
295			33.6			30.7			28.2		35.1	26.1		33.5	23.9	295
300			32.8			30			27.6			25.5		32.8	23.3	300
305						29.3			26.9			24.8			22.7	305
310						28.5			26.3			24.2			22.1	310
315									25.5			23.6			21.5	315
320												23			21	320
325												22.3			20.4	325
330															19.8	330



* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TYVEN 264 ft



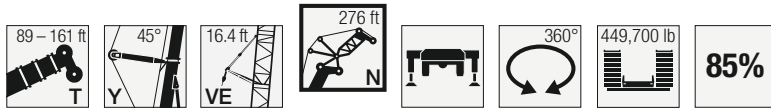
	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
105	51.1			51.9												105
110	51.1			51.9			50.7									110
115	51.1			51.9			50.7									115
120	51.1			51.9			50.7			48.9						120
125	51.1			51.9			50.7			48.9			46.1			125
130	51.1			51.9			50.7			48.9			46.1			130
135	51.1			51.9			50.7			48.9			46.1			135
140	51.1			51.9			50.7			48.9			46.1			140
145	51			51.9			50.7			48.9			46.1			145
150	50.7			51.7			50.7			48.9			46.1			150
155	50.5	48.8		51			50.6			48.9			46.1			155
160	50.2	48.8		50.4	49.6		50			48.9			46.1			160
165	49.8	48.8		49.8	49.3		49.4	48.5		48.7			46.1			165
170	49.3	48.8		49.2	49		48.9	48.3		48.1	47		46.1			170
175	48.8	48.6		48.6	48.6		48.3	48		47.6	46.8		46.1	45.1		175
180	48.2	48.2		48.1	48.1		47.7	47.6		47.1	46.6		46.1	44.9		180
185	47.7	47.7		47.5	47.7		47.2	47.2		46.6	46.2		45.7	44.8		185
190	47.1	47.2		47	47.2		46.7	46.8		46	45.8		45.2	44.5		190
195	46.5	46.8		46.4	46.7		46.1	46.4		45.5	45.5		44.8	44.2		195
200	46	46.4		45.8	46.3		45.6	45.9		45	45.1		44.3	43.9		200
205	45.4	45.9		45.3	45.8		45.1	45.5		44.6	44.7		43.8	43.6		205
210	44.9	45.4		44.8	45.4		44.6	45.1		44.1	44.4		43.4	43.3		210
215	44.5	45	43.4	44.3	45		44.1	44.7		43.6	44		42.9	43		215
220	44	44.6	43.1	43.9	44.5		43.7	44.3		43.2	43.6		42.5	42.7		220
225	43.6	44.2	42.7	43.4	44.1	42.5	43.3	43.9		42.7	43.3		42.1	42.4		225
230	43.1	43.8	42.5	43	43.7	41.8	42.8	43.6	38.7	42.3	43		41.7	42.1		230
235	42.7	43.4	42.2	42.6	43.3	40.7	42.4	43.2	37.6	42	42.6		41.4	41.8		235
240	42.4	43	42	42.2	43	39.6	42	42.8	36.6	41.6	42.3	34.1	41	41.6		240
245	42.1	42.7	41.7	41.9	42.6	38.5	41.7	42.5	35.6	41.3	42	33.1	40.7	41.2		245
250	41.6	42.3	40.9	41.6	42.3	37.5	41.4	42.2	34.7	41	41.7	32.2	40.4	40.3	29.6	250
255	40.6	42.1	39.8	41	42	36.5	41.2	41.9	33.7	40.7	41.1	31.3	40.2	39.3	28.8	255
260	39.3	41.8	38.8	39.8	41.7	35.6	40.4	41.5	32.8	40.5	40.1	30.5	40	38.4	28	260
265	38.1	41.5	37.9	38.6	41.5	34.7	39.1	40.8	32	39.6	39.2	29.7	39.7	37.4	27.2	265
270	35.9	40.9	37	37.3	41.3	33.8	37.8	39.8	31.2	38.4	38.3	28.9	39	36.5	26.4	270
275	32.1	39.7	36	35.3	40.6	33	36.6	38.9	30.3	37.2	37.4	28.1	37.7	35.7	25.7	275
280		38.4	35.2		39.6	32.1	34.1	38	29.6	35.7	36.5	27.4	36.5	34.8	25	280
285		37.2	34.3		38.3	31.3		37.1	28.8	32.2	35.7	26.7	34.6	34	24.3	285
290		36	33.5		37.1	30.6		36.3	28.1		34.9	25.9		33.3	23.7	290
295		34	32.7		36	29.9		35.5	27.4		34.1	25.3		32.5	23.1	295
300			32			29.1		34.8	26.7		33.4	24.6		31.8	22.4	300
305			31.2			28.4			26.1		32.7	24		31.1	21.8	305
310			30.5			27.8			25.4			23.4		30.5	21.3	310
315						27.1			24.8			22.8			20.7	315
320						26.5			24.2			22.2			20.2	320
325									23.6			21.7			19.6	325
330												21.2			19.1	330
335												20.6			18.6	335
340															18.1	340

* adapter - pièce d'adaptateur

L_198_207_01701_00_000

Lifting capacities Forces de levage

TYVEN 276 ft



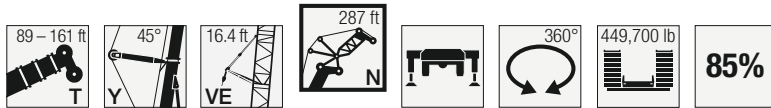
Lifting height (ft)	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			Lifting height (ft)
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
110	46.2			46.6												110
115	46.2			46.6			45.2									115
120	46.2			46.6			45.2			41.8						120
125	46.2			46.6			45.2			41.8						125
130	46.2			46.6			45.2			41.8						130
135	46.2			46.6			45.2			41.8			40.5			135
140	46.2			46.6			45.2			41.8			40.5			140
145	46			46.6			45.2			41.8			40.5			145
150	45.8			46.6			45.2			41.8			40.5			150
155	45.6			46.6			45.2			41.8			40.5			155
160	45.4	43.9		46.2			45.2			41.8			40.5			160
165	45.2	43.9		45.7	44.8		45.1			41.8			40.5			165
170	44.9	43.9		45.2	44.5		44.8	43.8		41.8			40.5			170
175	44.5	43.9		44.7	44.2		44.3	43.5		41.8	42.3		40.5			175
180	44.2	43.8		44.1	43.9		43.8	43.3		41.8	42.2		40.5	40.6		180
185	43.8	43.6		43.6	43.5		43.3	43		41.8	42		40.5	40.5		185
190	43.3	43.2		43.1	43.1		42.8	42.6		41.8	41.7		40.5	40.3		190
195	42.7	42.8		42.5	42.7		42.3	42.3		41.7	41.3		40.5	40.1		195
200	42.2	42.4		42	42.3		41.8	41.9		41.2	41		40.5	39.8		200
205	41.7	42		41.5	41.9		41.3	41.5		40.7	40.7		40	39.5		205
210	41.2	41.5		41.1	41.4		40.8	41.1		40.3	40.4		39.6	39.3		210
215	40.7	41.1		40.6	41		40.3	40.7		39.8	40		39.2	39		215
220	40.2	40.7	39.1	40.1	40.6		39.9	40.4		39.4	39.7		38.8	38.7		220
225	39.8	40.3	38.9	39.7	40.2		39.5	40		39	39.4		38.4	38.5		225
230	39.3	39.9	38.6	39.2	39.9	38.3	39	39.7		38.6	39.1		38	38.2		230
235	38.9	39.5	38.3	38.8	39.5	38	38.6	39.3		38.2	38.8		37.6	37.9		235
240	38.5	39.1	38	38.4	39.1	37.8	38.2	38.9	35.1	37.8	38.4		37.2	37.6		240
245	38.1	38.7	37.7	38	38.7	37	37.8	38.6	34.1	37.4	38.1	31.6	36.9	37.4		245
250	37.7	38.4	37.4	37.6	38.3	36.1	37.4	38.2	33.2	37	37.8	30.7	36.5	37.1		250
255	37.4	38	37.1	37.2	38	35.1	37.1	37.9	32.3	36.7	37.5	29.8	36.2	36.8	27.3	255
260	37.1	37.7	36.9	36.9	37.7	34.2	36.7	37.6	31.4	36.4	37.2	29	35.9	36.6	26.5	260
265	36.7	37.4	36.4	36.7	37.3	33.3	36.5	37.3	30.5	36.1	36.9	28.2	35.6	36	25.7	265
270	35.9	37.1	35.6	36.2	37	32.4	36.3	37	29.7	35.9	36.6	27.4	35.4	35.1	25	270
275	34.8	36.9	34.7	35.2	36.8	31.6	35.6	36.7	29	35.7	35.9	26.7	35.2	34.2	24.3	275
280	33.2	36.7	33.8	34.1	36.6	30.8	34.5	36.4	28.2	35	35.1	25.9	35	33.4	23.6	280
285	30.1	36.1	33	32.8	36.5	30	33.4	35.7	27.4	33.9	34.2	25.3	34.4	32.6	22.9	285
290		35.1	32.2	29.4	36	29.2	31.7	34.9	26.7	32.7	33.5	24.6	33.3	31.9	22.3	290
295		34	31.4		35	28.5		34.1	26	30.2	32.7	23.9	32	31.1	21.7	295
300		32.9	30.6		33.9	27.8		33.4	25.4		32	23.3		30.4	21.1	300
305		31.9	29.9		32.8	27.1		32.6	24.7		31.3	22.7		29.7	20.5	305
310			29.2		31.8	26.4		31.9	24.1		30.6	22.1		29.1	19.9	310
315			28.5			25.8			23.5		29.9	21.5		28.4	19.4	315
320			27.9			25.2			22.9		29.3	20.9		27.8	18.8	320
325						24.6			22.3			20.4			18.3	325
330						24			21.8			19.9			17.8	330
335									21.2			19.3			17.3	335
340									20.7			18.9			16.9	340
345												18.4			16.4	345
350															16	350
355															15.5	355



* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TYVEN 287 ft



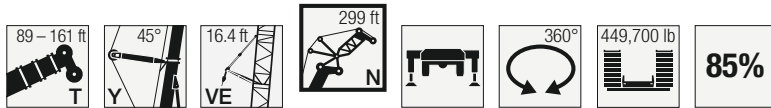
	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
110	40															110
115	39.7			40.3			39.3									115
120	39.5			40.3			39.3									120
125	39.2			40.3			39.3			37.7						125
130	39			40.3			39.3			37.7						130
135	38.7			40.3			39.3			37.7			33.3			135
140	38.5			40.2			39.3			37.7			33.3			140
145	38.2			39.9			39.3			37.7			33.3			145
150	38			39.4			39.1			37.7			33.3			150
155	37.8			38.9			38.7			37.7			33.3			155
160	37.6			38.5			38.2			37.6			33.3			160
165	37.3	36.7		38			37.8			37.2			33.3			165
170	37.1	36.5		37.6	37.4		37.3			36.8			33.3			170
175	36.8	36.5		37.1	37		36.9	36.7		36.4			33.3			175
180	36.6	36.3		36.7	36.6		36.5	36.3		36	35.5		33.3			180
185	36.3	36.1		36.3	36.3		36.1	36		35.6	35.2		33.3	34.2		185
190	36	35.9		35.9	35.9		35.7	35.6		35.2	34.9		33.3	33.9		190
195	35.7	35.6		35.5	35.6		35.3	35.3		34.8	34.6		33.3	33.6		195
200	35.3	35.3		35.2	35.2		34.9	35		34.5	34.3		33.3	33.4		200
205	34.9	35		34.8	34.9		34.6	34.6		34.2	34		33.3	33.2		205
210	34.6	34.7		34.5	34.6		34.2	34.3		33.8	33.7		33.3	32.9		210
215	34.3	34.4		34.2	34.3		34	34.1		33.5	33.5		33	32.7		215
220	34	34.1		33.8	34		33.6	33.8		33.3	33.2		32.7	32.5		220
225	33.7	33.8		33.6	33.7		33.4	33.5		33	33		32.5	32.2		225
230	33.5	33.6	32.3	33.3	33.5		33.1	33.3		32.7	32.7		32.2	32		230
235	33.2	33.3	32.1	33.1	33.2	31.9	32.9	33		32.5	32.5		32	31.9		235
240	32.9	33.1	31.9	32.8	33	31.7	32.6	32.8		32.2	32.3		31.8	31.7		240
245	32.6	32.9	31.8	32.5	32.8	31.5	32.4	32.6	30.9	32	32.1		31.5	31.5		245
250	32.3	32.7	31.6	32.2	32.5	31.3	32.2	32.4	30.8	31.8	31.9		31.4	31.3		250
255	31.7	32.5	31.5	31.8	32.4	31.2	31.9	32.2	30.6	31.7	31.8	29.1	31.2	31.2		255
260	31.1	32.2	31.3	31.2	32.2	31	31.3	32	30.4	31.3	31.6	28.2	31	31	25.7	260
265	30.5	31.9	31.2	30.7	31.9	30.9	30.8	31.9	29.8	30.8	31.5	27.5	30.7	30.9	25	265
270	30	31.5	31.1	30.1	31.7	30.8	30.2	31.7	29	30.2	31.3	26.7	30.2	30.8	24.3	270
275	29.5	31	31	29.5	31.3	30.7	29.7	31.4	28.2	29.7	31.2	26	29.7	30.7	23.6	275
280	29	30.4	30.9	29	30.8	30.1	29.2	31.1	27.5	29.2	31	25.2	29.2	30.6	22.9	280
285	28.5	29.9	30.8	28.6	30.3	29.3	28.7	30.6	26.7	28.7	30.8	24.6	28.7	30.5	22.2	285
290	28.1	29.4	30.5	28.2	29.8	28.5	28.3	30.1	26	28.3	30.3	23.9	28.3	30.4	21.6	290
295	27.5	29	30.1	27.8	29.3	27.8	27.9	29.6	25.3	27.9	29.8	23.2	27.9	30	21	295
300	25	28.6	29.7	27	28.9	27.1	27.5	29.2	24.7	27.5	29.4	22.6	27.6	29.5	20.4	300
305		28.2	29.2		28.5	26.4	26.6	28.8	24	27.2	29	22	27.3	29	19.8	305
310		27.8	28.6		28.1	25.8		28.4	23.4		28.6	21.4	26.5	28.3	19.3	310
315		27.6	27.9		27.8	25.2		28	22.8		28.2	20.9		27.7	18.7	315
320			27.2		27.5	24.5		27.7	22.3		27.9	20.3		27.1	18.2	320
325			26.6			24		27.5	21.7		27.6	19.8		26.5	17.7	325
330			26			23.4			21.1		27.3	19.2		25.9	17.2	330
335			25.4			22.8			20.6			18.7		25.4	16.7	335
340						22.3			20.1			18.2			16.3	340
345									19.6			17.8			15.8	345
350									19.1			17.3			15.4	350
355												16.9			14.9	355
360															14.5	360
365															14	365

* adapter - pièce d'adaptateur

L_198_207_01901_00_000

Lifting capacities Forces de levage

TYVEN 299 ft



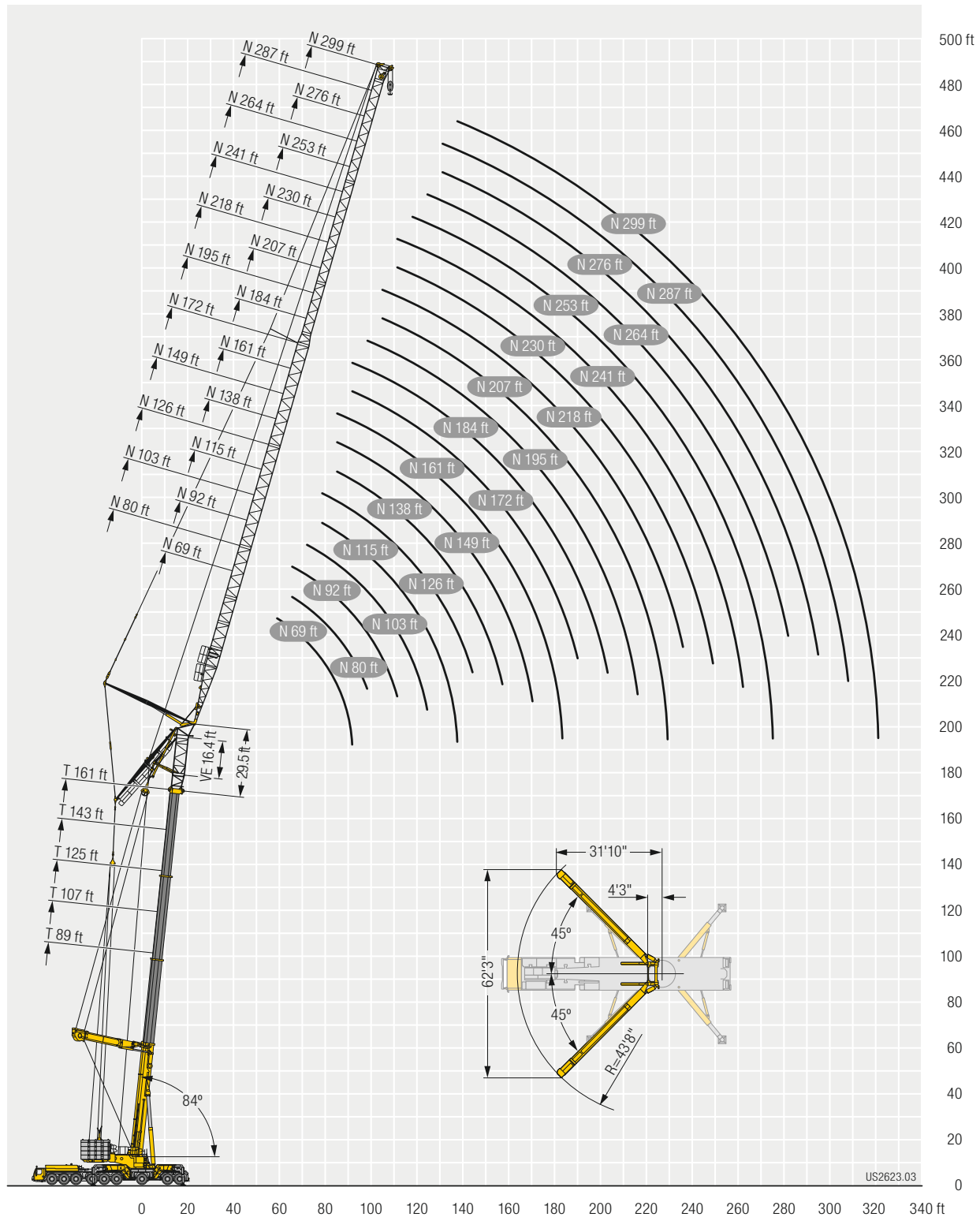
↙	89 + 29.5 ft*			107 + 29.5 ft*			125 + 29.5 ft*			143 + 29.5 ft*			161 + 29.5 ft*			↘
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
115	36.4															115
120	36.2			36.6			35.3									120
125	36			36.6			35.3			32.4						125
130	35.8			36.6			35.3			32.4						130
135	35.5			36.6			35.3			32.4						135
140	35.2			36.6			35.3			32.4			30			140
145	35			36.5			35.3			32.4			30			145
150	34.8			36.3			35.3			32.4			30			150
155	34.6			36			35.3			32.4			30			155
160	34.4			35.6			35.3			32.4			30			160
165	34.1			35.2			34.9			32.4			30			165
170	33.9	33.3		34.7			34.5			32.4			30			170
175	33.7	33.2		34.3	34.2		34.1			32.4			30			175
180	33.5	33.1		33.9	33.8		33.7	33.4		32.4			30			180
185	33.3	33		33.5	33.5		33.3	33.1		32.4	32.4		30			185
190	33	32.8		33.2	33.1		33	32.8		32.4	32.1		30	31.1		190
195	32.8	32.7		32.8	32.8		32.6	32.5		32.1	31.8		30	30.9		195
200	32.5	32.5		32.5	32.5		32.2	32.2		31.8	31.5		30	30.6		200
205	32.2	32.2		32.1	32.2		31.9	31.9		31.5	31.3		30	30.4		205
210	31.9	32		31.8	31.9		31.6	31.6		31.2	31		30	30.2		210
215	31.6	31.7		31.5	31.6		31.3	31.3		30.9	30.8		30	29.9		215
220	31.3	31.4		31.2	31.3		31	31.1		30.6	30.5		30	29.8		220
225	31.1	31.1		30.9	31		30.7	30.8		30.4	30.3		29.8	29.6		225
230	30.8	30.9		30.7	30.8		30.5	30.6		30.1	30.1		29.6	29.3		230
235	30.5	30.6	29.4	30.4	30.5		30.2	30.3		29.8	29.8		29.4	29.1		235
240	30.3	30.4	29.3	30.2	30.3		30	30.1		29.6	29.7		29.1	29		240
245	30.1	30.2	29.1	30	30.1	28.8	29.8	29.9		29.4	29.5		29	28.8		245
250	29.9	30	28.9	29.8	29.9	28.7	29.6	29.7	28.1	29.2	29.3		28.8	28.6		250
255	29.7	29.8	28.8	29.6	29.7	28.5	29.4	29.5	28	29	29.1		28.6	28.5		255
260	29.6	29.6	28.6	29.4	29.5	28.4	29.2	29.3	27.8	28.9	28.9	26.8	28.4	28.3		260
265	29.4	29.5	28.5	29.2	29.3	28.2	29	29.1	27.7	28.7	28.8	26	28.3	28.2		265
270	29.2	29.3	28.3	29	29.2	28.1	28.9	29	27.5	28.5	28.6	25.3	28.1	28.1	22.8	270
275	29	29.2	28.2	28.8	29.1	28	28.7	28.9	26.8	28.3	28.5	24.5	27.9	27.9	22.1	275
280	28.8	29.1	28.1	28.6	29	27.9	28.5	28.7	26.1	28.1	28.3	23.9	27.7	27.8	21.5	280
285	28.6	28.9	28	28.5	28.8	27.8	28.3	28.6	25.4	27.9	28.2	23.2	27.6	27.7	20.8	285
290	28.5	28.7	27.9	28.3	28.6	27.2	28.2	28.5	24.7	27.8	28.1	22.5	27.4	27.6	20.2	290
295	28.1	28.5	27.8	28.1	28.4	26.5	28	28.3	24	27.7	28	21.9	27.3	27.5	19.6	295
300	27.5	28.5	27.7	27.7	28.3	25.8	27.8	28.2	23.4	27.6	27.9	21.3	27.2	27.4	19	300
305	26	28.4	27.6	27.3	28.2	25.1	27.4	28.1	22.7	27.4	27.7	20.7	27.2	27.3	18.5	305
310	23.3	28.1	27.3	25.7	28.2	24.5	26.9	28	22.1	27.1	27.7	20.1	27.1	27	17.9	310
315		27.7	26.6		27.9	23.9	24.8	27.9	21.5	26.2	27.6	19.5	26.8	26.3	17.4	315
320		27.4	25.9		27.6	23.3		27.8	21		27.2	19	24.9	25.7	16.9	320
325		26.8	25.3		27.3	22.7		27.5	20.4		26.6	18.4		25.1	16.4	325
330			24.7		26.7	22.1		27.2	19.9		26	17.9		24.5	15.9	330
335			24.1			21.5		26.6	19.3		25.4	17.4		24	15.4	335
340			23.6			21			18.8		24.9	17		23.5	15	340
345			23			20.5			18.3			16.5		23	14.5	345
350						20			17.9			16			14.1	350
355						19.5			17.4			15.6			13.6	355
360									17			15.2			12.6	360
365												14.8			11.2	365
370												14.4			9.8	370
375															8.4	375

* adapter - pièce d'adaptateur

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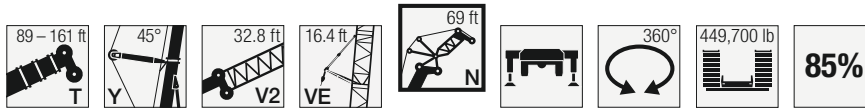
Lifting heights Hauteurs de levage

TYVEN



Lifting capacities Forces de levage

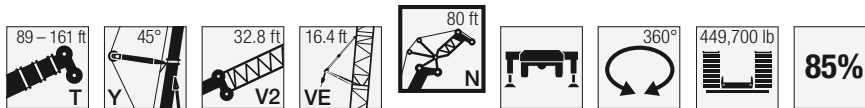
TYV2EN 69 ft - 80 ft



Lifting height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Lifting height (ft)
	N 69 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
50	272.6															50
55	259.6			253												55
60	247.5			241.2			232.7			224.7			210.1			60
65	236.3			230.2			222.1			214.4			204.5			65
70	225.6			219.8			212.2			205			194.9			70
75	215.4			210.2			202.8			196			185.9			75
80	205.5	201.5		199.2			194.2			187.7			177.7			80
85	195.2	190.9		189.5	170.6		185.8			179.9			170.6			85
90		180.9			160.4		177.2	157.2		172.3			164.3			90
95		170.8			151.6			148.1					157.5			95
100		161.6			143.9			140.2			137.6					100
105		153.1			137			133.3			130.3			132.9		105
110					131.1			127.3			124.1			126.6		110
115								121.8			118.5			120.8		115
120											113.7			115.7		120
125														111.1		125
130																130
135																135
140																140
145																145
150																150
155																155
160																160

* adapter - pièce d'adaptateur

t_198_208_00001_00_000



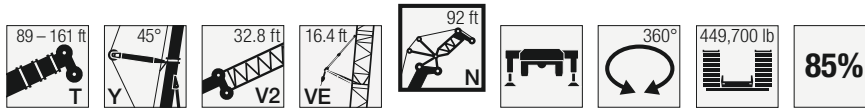
Lifting height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Lifting height (ft)
	N 80 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
55	249.2															55
60	238.5			232			223.6									60
65	228.6			222.3			214.2			206.1			196.6			65
70	219.2			213.1			205.2			197.8			188.9			70
75	210.3			204.5			197			189.8			181.1			75
80	201.9			196.3			189.2			182.4			173.8			80
85	193.8	190.2		188.4			181.8			175.4			166.9			85
90	185.6	180.2		179.3	165.5		174.7			168.7			160.3			90
95	176	170.3		171	154.9		167.9	152.7		162.3			154.3			95
100		161.1		164	146.1		161.1	143.8		156.2			148.8			100
105		152.8			138.6			135.9			134		143.2			105
110		145.3			131.8			129.1			126.8			128.9		110
115		138.3			125.9			123			120.6			123		115
120					120.5			117.6			115			117.3		120
125								112.8			110			112.1		125
130											105.6			107.3		130
135														102.8		135
140																140
145																145
150																150
155																155
160																160
165																165
170																170

* adapter - pièce d'adaptateur

t_198_208_00101_00_000

Lifting capacities Forces de levage

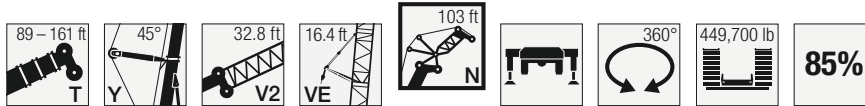
TYVEN 92 ft - 103 ft



Height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Height (ft)
	N 92 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
60	234.5			227.3												60
65	224.6			218												65
70	215.2			209.2			209.2									70
75	206.4			200.6			193.3					193.4			183.8	75
80	198.1			192.7			185.6					185.9			176.8	80
85	190.4			185.2			178.2					171.9			162.9	85
90	182.9	176.6		177.1			171.5					165.3			156.4	90
95	175.7	167.4		169.1	154.4		165					159.2			150.5	95
100	167.8	159.2		161.8	146.1		158.9					153.4			145.1	100
105	157.5	151.6		155	138.7		152.5	135.4				147.8			140.4	105
110	147.9	144.1		149.2	131.8		146.5	128.8				142.4	126.4		135.6	110
115		137.2			125.7			122.7				136.9	120.3		130.5	115
120		130.8			120.2			117.1					114.8			120
125		124.9			115.3			112.2					109.8			125
130		119.5	104.5		110.9			107.7					105.2			130
135			100.1		106.9	92.8		103.6					101.1			135
140			96			87.7		100					97.3			140
145			92.2			83.4			80.4						93.5	145
150			88.6			79.5			76.3							150
155			85.2			76.2			72.7				70			155
160						73.2			69.5				66.6			160
165									66.8				63.6			165
170									64.3				61			170
175													58.6			175
180																180
185																185

* adapter - pièce d'adaptateur

L_198_208_00201_00_000



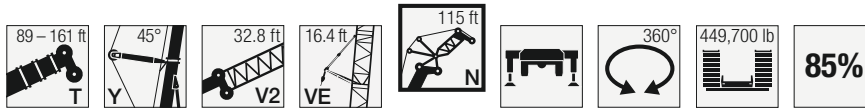
Height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Height (ft)	
	N 103 ft																
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°		
60	223.8															60	
65	215.7			208.1												65	
70	208			201.1			192.6									70	
75	200.5			194			185.9								169.4	75	
80	193.1			187.3			179.6								163.6	80	
85	186			180.5			173.3								158.1	85	
90	179.3			173.8			167.3								152.6	90	
95	172.7	164.8		167.1			161.4								146.8	95	
100	166.5	156.8		160.1	148.3		155.7								141.7	100	
105	158.1	149.4		153.7	140.2		150.3								137	105	
110	148.5	142.7		147.6	133.4		145.1	130.3							132.5	110	
115	139.8	136.5		141.8	127.1		139.8	124							128.3	115	
120	132.2	130.6		137	121.4		134.7	118.5							124.4	120	
125		124.8			116		129.8	113.3							120.2	125	
130		119.5			111.3			108.6							104.8	130	
135		114.5	99.7		107			104.1							100.9	135	
140		109.8	95.6		103			100.1							97.2	140	
145			91.9		99.7	86.2		96.5							93.4	145	
150			88.3			82.2		93.3							89.8	150	
155			85			78.2			75						86.4	155	
160			81.9			74.7			71.7						83.2	160	
165			78.9			71.6			68.4						65.8	165	
170						68.9			65.5						62.8	170	
175									62.9						60.1	175	
180									60.6						57.6	180	
185															55.4	185	
190																52.5	190
195																50.7	195

* adapter - pièce d'adaptateur

L_198_208_00301_00_000

Lifting capacities Forces de levage

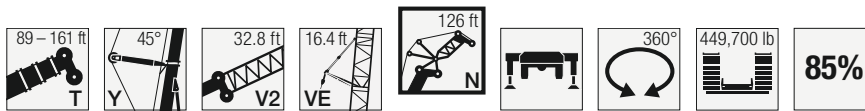
TYV2EN 115 ft - 126 ft



↙ ↘	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			↙ ↘		
	N 115 ft																	
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
65	199.8															65		
70	198.4			191.5			181.3									70		
75	192			185.2			177.2					169.9			161.3	75		
80	185.7			179.2			171.6					164.2			156	80		
85	179.7			173.5			166.1					159.1			151	85		
90	174.1			168.2			160.8					154.3			146.3	90		
95	168.4			162.8			155.9					149.5			141.8	95		
100	162.7	153.8		157.2			151.2					145			137.3	100		
105	157.2	146.6		150.6	140.1		146.5					140.6			132.5	105		
110	148.4	140		144.7	133.6		141.8					136.4			128.2	110		
115	139.8	134		139.4	127.2		137.2	123.6				132			124.3	115		
120	132	128.4		134.5	121.3		132.6	118.5				127.9	113.8		120.6	120		
125	124.9	123.3		129.6	116		128.1	113.5				123.9	109.2		117.1	106.1	125	
130	118.7	118.5		122.9	111.2		123.7	108.7				120	105		114	102	130	
135		113.8		116.9	106.7		119.6	104.3				116.1	101.1		110.5	98.2	135	
140		109.2	94.7		102.5			100.3					97.4		106.9	94.6	140	
145		104.9	90.9		98.7			96.5					94			91.3	145	
150		100.8	87.4		95.1	81.5		92.9					90.7			88.2	150	
155			84.1		92	78.4		89.7					87.3			85.2	155	
160			81.1			75.5		86.7	71.3				84.1			82.1	160	
165			78.1			72.5			68.7				81.1			79.1	165	
170			75.4			69.3			66.3							76.3	170	
175			72.8			66.5			63.8					62.2			56.8	175
180						64			61.1					60			54.8	180
185						61.7			58.8					57.9			52.9	185
190									56.6					55.7			51.2	190
195														53.4			49.5	195
200														51.3			47.8	200
205														49.5			46.3	205

* adapter - pièce d'adaptateur

t_198_208_00401_00_000



↙ ↘	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			↙ ↘		
	N 126 ft																	
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°			
70	182.9			178.7												70		
75	181.8			177.9			171.6									75		
80	180.2			172.8			166.1					160.2			151	80		
85	175.5			167.3			160.7					154.9			146	85		
90	170			162			155.5					149.9			140.7	90		
95	164.7			156.8			150.7					145.2			135.8	95		
100	159.6			152.1			146.1					140.8			131	100		
105	154.7	143.7		147.5			141.5					136.6			126.6	105		
110	148.4	137.3		143	132		137.4					132.6			122.6	110		
115	141.2	131.4		138.5	126.3		133.4					128.9			118.8	115		
120	133.2	125.9		134.1	121.1		129.5	116.4				125.2			115.4	120		
125	126.1	120.9		129.5	116.2		125.4	111.7				121.5	107.1		112.3	125		
130	119.6	116.2		124	111.8		121.4	107.4				117.8	103		109.6	99.9	130	
135	113.7	111.9		117.9	107.6		117.5	103.4				114.1	99.1		107.1	96.1	135	
140	108.4	107.8		112.2	103.7		113.6	99.6				110.6	95.5		105	92.7	140	
145		104		107	100		109.5	96.1				107	92.1		102.7	89.4	145	
150		100.1	86.3		96.6			92.9				103.4	89		99.4	86.4	150	
155		96.4	83.2		93.1	78		89.8					86			83.5	155	
160		92.8	80.2		89.7	75.3		86.7					83.3			80.8	160	
165		89.5	77.3		86.5	72.6		83.5	68				80.5			78.3	165	
170			74.6		83.4	70		80.6	65.6				77.7			75.7	170	
175			72			67.6			63.3				75			73.1	175	
180			69.6			65.2			61.2					59.2			70.6	180
185			67.2			63.1			59.1					57.2				185
190			65			61			57.1					55.2			52.2	190
195						59			55.2					53.4			50.5	195
200									53.4					51.6			48.8	200
205									51.7					49.9			47.2	205
210														48.3			45.7	210
215														46.8			44.2	215

* adapter - pièce d'adaptateur

t_198_208_00501_00_000

Lifting capacities Forces de levage

TYV2EN 138 ft - 149 ft



Height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Height (ft)
	N 138 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
70	163.7			162												70
75	163.7			161.2												75
80	163.7			159.5												80
85	163.1			154.9												85
90	161.6			150.3												90
95	158.6			145.8												95
100	154			141.6												100
105	149.5			137.5												105
110	145.4	134.7		133.7												110
115	140.5	128.9		129.9	123.4											115
120	133	123.6		126.2	118.3											120
125	125.9	118.6		121.9	113.6											125
130	119.4	114		118.6	109.2											130
135	113.3	109.7		115.3	105.1											135
140	107.9	105.8		111.8	101.3											140
145	103	102.1		108.2	97.7											145
150	98.5	98.6		103.5	94.4											150
155	94.2	95.3	81.6	98.9	91.2											155
160		92.2	78.9	94.4	88.3											160
165		88.9	76.3	88.3	85.5	70.9										165
170		85.8	73.8	82.5	82.5	68.6										170
175		82.8	71.2	79.7	79.7	66.4										175
180			68.8	77	77	64.1										180
185			66.5			61.9										185
190			64.3			59.9										190
195			62.2			57.9										195
200			60.2			56.1										200
205						54.3										205
210																210
215																215
220																220
225																225
230																230

* adapter - pièce d'adaptateur

L_198_208_00601_00_000



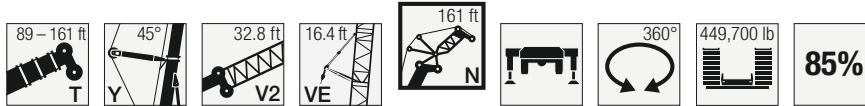
Height (ft)	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Height (ft)
	N 149 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
75	147.8			146.4												75
80	147.8			145.3												80
85	147.8			144.1												85
90	147.1			143												90
95	145.8			140.9												95
100	144.7			136.8												100
105	143.4			133.1												105
110	139.5			129.5												110
115	135.6	127		126.2	116.4											115
120	131.4	121.8		122.9	111.8											120
125	125.5	117		119.6	107.5											125
130	119.1	112.5		115.6	103.5											130
135	113.1	108.3		110.6	99.7											135
140	107.7	104.4		105.5	96.2											140
145	102.7	100.7		100.7	93											145
150	98	97.3		96.3	89.9											150
155	93.9	94.1		92.1	87											155
160	89.8	91		88.3	84.2											160
165	86.1	88.2	75.2	84.6	81.7											165
170		85.5	72.8													170
175		82.8	70.6													175
180		80	68.4													180
185		77.4	66.2													185
190			64.1													190
195			62													195
200			60													200
205			58.2													205
210			56.4													210
215																215
220																220
225																225
230																230
235																235
240																240

* adapter - pièce d'adaptateur

L_198_208_00701_00_000

Lifting capacities Forces de levage

TYV2EN 161 ft - 172 ft



	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 161 ft															
80	133.2			129.1			128.7						118.6			80
85	133.2			129.1			127.8						118			85
90	133.2			129.1			126.9						118			90
95	132.8			129.1			126.1						116.3			95
100	131.7			128.9			125.3						115.1			100
105	130.7			128.1			122.9						110			105
110	129.7			127.2			119.8						106.8			110
115	128.7			124.8			116.7						103.8			115
120	125.1	114.8		118.5			113.6						100.9			120
125	121.2	114.5		115.5	106.8		110.7						98.2			125
130	116.6	110.1		112.4	104.8		108						95.5			130
135	111.2	106		109	100.9		105.4	96.7					93.1			135
140	106.1	102.2		104.4	97.2		102.9	93.2					90.7			140
145	101.2	98.6		99.6	93.8		100.3	89.9					88.8	83.1		145
150	96.7	95.2		95.2	90.6		97.8	86.8					86.9	80.3		150
155	92.5	92.1		91.1	87.6		93.1	83.9					85.2	77.6		155
160	88.6	89.1		87.3	84.7		89.2	81.2					83.7	75		160
165	84.9	86.3		83.7	82		85.6	78.6					82.4	72.6		165
170	81.4	83.6	71	83.7	79.5		82.1	76.2					81.4	70.4		170
175	78.3	81.1	68.8	80.3	77.1		78.7	73.9					79.8	68.3		175
180		78.8	66.7	77.1	74.9	61.4		71.7					77.6	66.2		180
185		76.5	64.7		72.7	59.5		69.6	55.2					64.3		185
190		74.2	62.8		70.7	57.7		67.7	53.5					62.5		190
195		71.8	61		68.6	56.1		65.8	51.9			47.9		60.7		195
200		69.5	59.1		66.4	54.5		64	50.4			46.5		59.1		200
205			57.3			52.8		62	49			45.2		57.5	42.3	205
210			55.5			51.2			47.6			43.9		56	41	210
215			53.8			49.6			46.1			42.6		54.3	39.9	215
220			52.1			48.1			44.6			41.3			38.7	220
225						46.6			43.3			40			37.5	225
230						45.2			41.9			38.8			36.3	230
235									40.7			37.6			35.2	235
240												36.4			34.1	240
245												35.3			33	245
250															32	250

* adapter - pièce d'adaptateur

L_198_208_00801_00_000



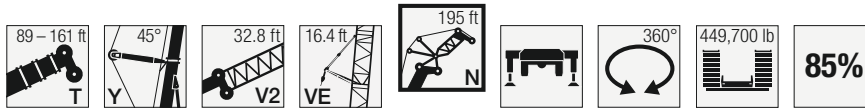
	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 172 ft															
80	124.6			121			117.3						107.8			80
85	123.6			120.2			116.6						107.4			85
90	122.6			119.3			115.8						106.6			90
95	121.7			118.6			115.1						106.6			95
100	120.8			117.7			114.5						104.5			100
105	119.9			117			113.9						104.5			105
110	119.1			116.4			113.3						101.9			110
115	118.3			115.8			111						99.4			115
120	117.7			115.1			108.2						96.9			120
125	117.1	110.4		112.2			107.7						94.4			125
130	114.6	108.3		109.3	103.8		105.4						92.1			130
135	110.5	104.3		106.6	100		102.7	95.8					89.9			135
140	105.9	100.5		103.9	96.4		100.2	92.4					87.8			140
145	101.3	97		100.6	93		97.8	89.2					85.8			145
150	97.1	93.7		96.5	89.8		95.2	86.1					82	78.7		150
155	93	90.6		92.5	86.8		92.9	83.2					84	76.1		155
160	89.2	87.6		88.6	84		90.8	80.6					82.4	73.6		160
165	85.5	84.9		85	81.4		88.7	78					80.9	71.2		165
170	82	82.3		83.7	78.9		86.8	75.6					79.6	69		170
175	78.7	79.8	67.6	81.6	76.5		83.3	73.3					78.4	66.9		175
180	75.7	77.4	65.5	79.3	74.2		80	71.1					77.2	64.9		180
185	72.9	75.2	63.5	75.3	72.1	59.1	76.8	69.1					76.2	63		185
190	66	73.1	61.7	72.5	70.1	57.3	73.9	67.1					74.9	61.2		190
195		71.1	59.9		68.1	55.7		65.3	51.6				73.4	59.5		195
200		69.2	58.2		66.3	54.1		63.5	50.1				70.4	57.8		200
205		67.1	56.6		64.5	52.5		61.8	48.7				68.4	56.3		205
210		65.1	55		62.6	51.1		60.2	47.3				66.4	54.8	40.1	210
215			53.4		60.7	49.7		58.5	46				64.6	53.4	38.9	215
220			51.8			48.2		56.7	44.8				62.8	52	37.8	220
225			50.3			46.8			43.5				61.1	50.7	36.8	225
230			48.8			45.4			42.2				59.4		35.8	230
235			47.3			44			40.9				57.7		34.7	235
240						42.7			39.7				56.1		33.7	240
245									38.5				54.5		32.6	245
250									37.3				52.9		31.6	250
255													51.3		30.6	255
260													49.7		29.7	260
265													48.1		28.8	265

* adapter - pièce d'adaptateur

L_198_208_00901_00_000

Lifting capacities Forces de levage

TYV2EN 195 ft



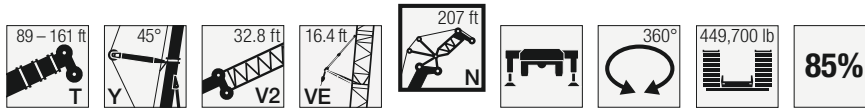
	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
90	101.3			98.9												90
95	100.8			98.9			95.2									95
100	100.1			98.3			95.2			91.9			88.9			100
105	99.4			97.7			95.2			91.9			88.9			105
110	98.7			97.1			95			91.7			88.6			110
115	98.1			96.5			94.4			91.3			88.2			115
120	97.5			95.9			93.9			90.8			87.9			120
125	96.9			95.4			93.4			90.4			87.5			125
130	96.4			94.9			93			90			86.1			130
135	96	90.3		94.5			92.6			89.7			84.6			135
140	95.6	90		94.1	88.2		92.3			89.2			82.8			140
145	94.9	89.7		93.8	87.9		92	85.2		88.3			81.1			145
150	94	89.4		93.5	86.3		91.1	82.6		87.2			79.4			150
155	90.9	87.4		91.9	83.4		89.2	79.8		85.7	75.9		77.7			155
160	87.3	84.6		88.7	80.7		87.2	77.2		84.1	73.4		76.2	70.6		160
165	84.1	81.9		85.5	78.1		85.2	74.8		82.5	71		74.7	68.4		165
170	81	79.4		82.3	75.7		82.9	72.5		81	68.8		73.3	66.3		170
175	78.1	77		79.3	73.4		80.4	70.3		79.5	66.7		72	64.3		175
180	75.2	74.7		76.5	71.3		77.8	68.2		77.8	64.7		70.7	62.3		180
185	72.3	72.6		73.7	69.2		75	66.2		76	62.8		69.7	60.5		185
190	69.6	70.5	59.3	70.8	67.2		72.1	64.3		74.3	61		68.6	58.8		190
195	67	68.6	57.5	68.2	65.4	53	69.4	62.5		71.6	59.3		67.6	57.1		195
200	64.5	66.7	55.9	65.7	63.6	51.4	66.8	60.8		68.9	57.7		66.6	55.6		200
205	62.3	65	54.3	63.4	61.9	50	64.4	59.2	46.1	66.3	56.1		65.8	54.1		205
210	60.1	63.3	52.8	61.1	60.3	48.6	62.1	57.6	44.8	63.9	54.6		65.2	52.6		210
215		61.7	51.4	56.9	58.8	47.3	60	56.1	43.6	61.6	53.2	39.8	64	51.2		215
220		60.1	50		57.3	46		54.7	42.3		51.8	38.7	62.1	49.9		220
225		58.7	48.7		55.9	44.7		53.4	41.2		50.5	37.6		48.6	34.9	225
230		57.2	47.5		54.5	43.6		52.1	40.1		49.3	36.6		47.4	33.9	230
235			46.3		53.2	42.4		50.9	39		48.1	35.6		46.3	32.9	235
240			45.1			41.3		49.6	38		47	34.6		45.2	32	240
245			43.8			40.3			37		45.9	33.7		44.1	31.2	245
250			42.6			39.2			36.1			32.8		43.1	30.3	250
255			41.4			38.1			35.1			31.9			29.5	255
260						37			34.1			31.1			28.7	260
265						35.9			33.1			30.2			27.9	265
270									32.1			29.3			27.1	270
275												28.4			26.2	275
280												27.5			25.4	280
285															24.6	285

* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TYV2EN 207 ft



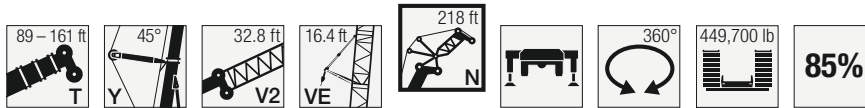
	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
90	90.5															90
95	90.5			89.2												95
100	90.5			89.2			86.9									100
105	90.5			89.1			86.9			83.6			79.7			105
110	89.9			88.5			86.7			83.6			79.7			110
115	89.3			87.9			86.1			83.6			79.7			115
120	88.7			87.4			85.7			83.2			79.7			120
125	88.2			86.8			85.2			82.7			79.6			125
130	87.6			86.4			84.7			82.3			79.3			130
135	87			85.9			84.3			81.9			78.8			135
140	86.2	81.7		85.1			83.7			81.6			78.2			140
145	85.2	81.4		84.1	79.9		82.9			81.2			76.8			145
150	84.2	81.1		83.2	79.7		82	77.5		80.4			75.4			150
155	83.3	80.9		82.3	79.4		81.2	77.3		79.6			73.9			155
160	82.4	80.6		81.4	78.9		80.4	75.7		78.7	72.2		72.4			160
165	81.5	80.1		80.6	76.7		79.6	73.3		77.7	69.9		71.1	65.6		165
170	80.1	77.9		79.8	74.3		78.8	71.1		76.6	67.8		69.8	64.1		170
175	77.4	75.6		78.4	72.1		77.9	68.9		75.3	65.7		68.5	62.2		175
180	74.6	73.4		75.8	69.9		76.4	66.8		74.1	63.7		67.3	60.4		180
185	72.1	71.2		73.2	67.9		74.2	64.9		72.9	61.9		66.1	58.6		185
190	69.5	69.2		70.7	66		71.8	63		71.7	60.1		65.1	56.9		190
195	67	67.3	56.3	68.2	64.1		69.3	61.3		70.2	58.4		64	55.3		195
200	64.5	65.5	54.7	65.7	62.3		66.9	59.6		68.5	56.8		63.1	53.7		200
205	62.2	63.7	53.2	63.3	60.7	48.8	64.5	58		66.1	55.2		62.1	52.2		205
210	60	62	51.7	61	59.1	47.4	62.1	56.4		63.6	53.7		61.3	50.8		210
215	58	60.4	50.3	58.9	57.5	46.1	59.9	55	42.5	61.4	52.3		60.6	49.5		215
220	55.9	58.9	48.9	56.9	56.1	44.8	57.9	53.5	41.3	59.2	51	37.8	60	48.2		220
225	48.6	57.4	47.6	53.9	54.7	43.6	55.9	52.2	40.1	57.1	49.7	36.8	58.9	46.9		225
230		56	46.4		53.3	42.5		50.9	39	55.1	48.4	35.7	56.9	45.7		230
235		54.7	45.2		52	41.3		49.7	38		47.2	34.7		44.6	31.3	235
240		53.4	44		50.8	40.3		48.5	37		46.1	33.8		43.5	30.4	240
245		52	42.9		49.6	39.2		47.3	36		45	32.9		42.5	29.5	245
250			41.9		48.3	38.3		46.3	35.1		44	32		41.5	28.7	250
255			40.8			37.3			34.2		43	31.2		40.5	27.9	255
260			39.7			36.4			33.3			30.4		39.6	27.2	260
265			38.5			35.3			32.5			29.6			26.5	265
270			37.4			34.3			31.5			28.8			25.7	270
275						33.3			30.6			28			25.1	275
280									29.7			27.2			24.3	280
285									28.8			26.3			23.6	285
290												25.5			22.8	290
295															22.1	295
300															21.4	300

* adapter - pièce d'adaptateur

L_198_208_01201_00_000

Lifting capacities Forces de levage

TYV2EN 218 ft



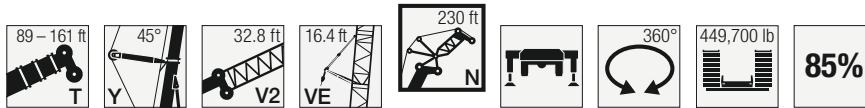
N 218 ft	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			N 218 ft
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
95	81			79.5												95
100	81			79.5												100
105	81			79.5			75.9			75						105
110	81			79.5			75.9			75			72.9			110
115	81			79.5			75.9			75			72.9			115
120	81			79.5			75.9			75			72.9			120
125	80.6			79.4			75.9			75			72.9			125
130	80			78.9			75.9			75			72.6			130
135	79.6			78.4			75.9			74.9			72.3			135
140	79.1			78			75.9			74.7			72			140
145	78.5	74.1		77.5			75.9			74.3			71.7			145
150	77.9	73.9		76.8	72.5		75.5			73.8			71.2			150
155	77.2	73.6		76.1	72.3		74.9	70.4		73.2			70.3			155
160	76.5	73.4		75.4	72		74.2	70.2		72.6	67.5		69			160
165	75.7	73.1		74.7	71.9		73.6	70.1		72	67.4		67.8			165
170	75.1	73		74	71.7		72.9	69.2		71.4	66.3		66.5	61.8		170
175	74.4	72.8		73.4	70.4		72.4	67.2		70.8	64.3		65.3	60.6		175
180	73	71.7		72.8	68.3		71.8	65.2		69.8	62.4		64.1	59		180
185	70.5	69.6		71.2	66.3		71	63.3		68.7	60.5		63	57.3		185
190	68.2	67.6		69.1	64.4		69.6	61.5		67.7	58.8		61.9	55.6		190
195	65.9	65.7		66.9	62.6		67.9	59.7		66.7	57.1		60.9	54		195
200	63.7	63.9		64.6	60.8		65.7	58.1		65.6	55.5		59.9	52.5		200
205	61.5	62.2	51.8	62.5	59.2		63.6	56.5		64.3	54		58.9	51		205
210	59.3	60.6	50.3	60.3	57.6	46	61.4	55		62.4	52.6		58.1	49.7		210
215	57.2	59	48.9	58.2	56.1	44.7	59.2	53.5		60.2	51.2		57.4	48.3		215
220	55.2	57.5	47.6	56.1	54.7	43.5	57.1	52.1	39.9	58.1	49.8		56.7	47		220
225	53.4	56	46.3	54.2	53.3	42.3	55.1	50.8	38.8	56	48.5		56.1	45.8		225
230	51.5	54.6	45.1	52.4	52	41.2	53.2	49.5	37.7	54.1	47.3	34.7	55.6	44.7		230
235	46.9	53.3	43.9	50.5	50.7	40.1	51.5	48.3	36.7	52.3	46.1	33.7	53.9	43.5		235
240		52.1	42.8		49.5	39	49	47.2	35.7	50.6	45	32.7	52	42.4	29.4	240
245		50.8	41.7		48.3	38		46	34.8		43.9	31.8		41.4	28.5	245
250		49.7	40.7		47.2	37		44.9	33.8		42.9	31		40.4	27.7	250
255		48.6	39.6		46.1	36.1		43.9	33		41.9	30.1		39.5	27	255
260			38.7		45.1	35.2		42.9	32.1		40.9	29.4		38.5	26.2	260
265			37.8			34.3		42	31.3		40	28.6		37.7	25.5	265
270			36.8			33.5			30.5		39.1	27.8		36.8	24.8	270
275			35.8			32.7			29.7			27.1		36	24.1	275
280			34.8			31.7			29			26.4			23.5	280
285						30.8			28.2			25.7			22.9	285
290									27.3			25			22.2	290
295									26.5			24.3			21.6	295
300												23.5			20.9	300
305															20.2	305
310															19.5	310

* adapter - pièce d'adaptateur

L_198_208_01301_00_000

Lifting capacities Forces de levage

TYV2EN 230 ft



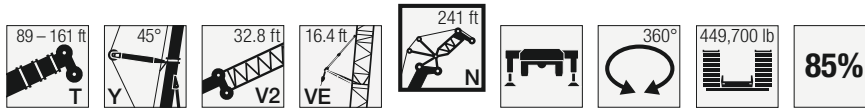
N 230 ft	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			N 230 ft
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
100	72.5			70.9												100
105	72.5			70.9			65.2									105
110	72.5			70.9			65.2			65.3						110
115	72.5			70.9			65.2			65.3			64.1			115
120	72.5			70.9			65.2			65.3			64.1			120
125	72.5			70.9			65.2			65.3			64.1			125
130	72.5			70.9			65.2			65.3			64.1			130
135	72.4			70.9			65.2			65.3			64.1			135
140	72.1			70.9			65.2			65.3			64.1			140
145	71.6			70.6			65.2			65.3			64.1			145
150	71.1	67.1		70.2			65.2			65.3			64.1			150
155	70.6	66.8		69.7	65.6		65.2			65.3			64.1			155
160	70	66.5		69.1	65.4		65.2	63.6		65.3			64.1			160
165	69.4	66.3		68.4	65.2		65.2	63.5		65.3	61.1		63.6			165
170	68.7	66.1		67.8	65		65.2	63.4		65.3	61.1		62.6			170
175	68.1	66		67.2	64.8		65.2	63.2		64.9	61		61.7	56.9		175
180	67.5	65.8		66.6	64.7		65.2	63.1		64.3	60.3		60.6	55.9		180
185	66.8	65.7		66	64.2		65	61.3		63.8	58.6		59.6	54.9		185
190	65.6	65.5		65.3	62.5		64.5	59.6		63.3	56.9		58.6	53.7		190
195	64	63.9		64.2	60.7		63.9	57.9		62.7	55.2		57.6	52.1		195
200	62.1	62.1		63	59		63.2	56.2		62	53.7		56.6	50.7		200
205	60.1	60.4		61	57.4		61.9	54.7		61.1	52.2		55.8	49.2		205
210	58.1	58.8	48.6	59	55.9		59.9	53.2		60.1	50.8		54.9	47.9		210
215	56.2	57.3	47.2	57.1	54.4		58	51.8		58.7	49.4		54.1	46.6		215
220	54.3	55.8	45.9	55.1	53	41.8	56.1	50.4		57	48.1		53.4	45.3		220
225	52.4	54.4	44.7	53.2	51.6	40.7	54.1	49.1	37.2	55.1	46.8		52.7	44.1		225
230	50.6	53	43.5	51.4	50.3	39.5	52.2	47.9	36.1	53.1	45.6		52.1	43		230
235	48.9	51.7	42.3	49.7	49	38.5	50.4	46.7	35.1	51.3	44.5	32	51.6	41.9		235
240	47.3	50.4	41.2	48.1	47.9	37.4	48.8	45.5	34.1	49.6	43.4	31.1	51	40.8		240
245	44.3	49.2	40.2	46.5	46.7	36.4	47.2	44.4	33.2	47.9	42.3	30.3	49.3	39.8	26.9	245
250		48.1	39.1		45.6	35.5	45.4	43.3	32.3	46.4	41.3	29.4	47.7	38.8	26.2	250
255		47	38.1		44.5	34.6		42.3	31.4		40.3	28.6	46.2	37.8	25.4	255
260		45.9	37.2		43.5	33.7		41.3	30.6		39.3	27.8		36.9	24.7	260
265		44.9	36.3		42.5	32.8		40.4	29.8		38.4	27.1		36.1	24	265
270			35.4		41.6	32		39.5	29		37.6	26.3		35.2	23.3	270
275			34.6			31.2		38.7	28.3		36.7	25.6		34.4	22.6	275
280			33.7			30.4			27.6		36	24.9		33.7	22	280
285			32.9			29.7			26.9			24.3		32.9	21.4	285
290			32			29			26.2			23.7			20.8	290
295						28.1			25.5			23.1			20.2	295
300						27.3			24.8			22.4			19.7	300
305									24			21.8			19.1	305
310												21.1			18.5	310
315												20.4			17.9	315
320															17.3	320

* adapter - pièce d'adaptateur

L_198_208_01401_00_000

Lifting capacities Forces de levage

TYV2EN 241 ft



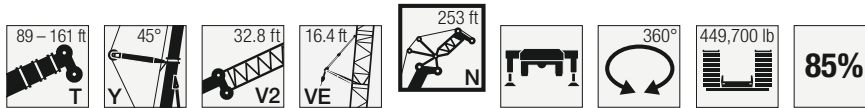
N 241 ft	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			N 241 ft
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
100	63.5															100
105	63.5			63.3												105
110	63.5			63.3			59.9			56						110
115	63.5			63.3			59.9			56			54.6			115
120	63.5			63.3			59.9			56			54.6			120
125	63.5			63.3			59.9			56			54.6			125
130	63.5			63.3			59.9			56			54.6			130
135	63.5			63.2			59.9			56			54.6			135
140	63.5			62.8			59.9			56			54.6			140
145	63.3			62.4			59.9			56			54.6			145
150	62.9			62			59.9			56			54.6			150
155	62.3	59.9		61.5			59.9			56			54.6			155
160	61.7	59.7		61	58.6		59.9			56			54.6			160
165	61.2	59.5		60.4	58.5		59.5	57.2		56			54.6			165
170	60.7	59.2		59.9	58.2		59	57.1		56	55.1		54.6			170
175	60.2	59		59.4	58		58.5	56.9		56	55		54.6			175
180	59.7	58.8		59	57.8		58.1	56.8		56	54.9		54.6	52.4		180
185	59.3	58.6		58.5	57.7		57.6	56.7		56	54.8		54.6	51.8		185
190	58.8	58.4		58.1	57.6		57.3	56.5		56	54.7		54.6	50.9		190
195	58.4	58.3		57.7	57.4		56.9	56.4		55.9	54.4		54.4	50.1		195
200	58.1	58		57.4	57.2		56.5	55.5		55.5	53		53.7	49.2		200
205	57.7	57.8		57.1	56		56.2	54		55.2	51.6		52.9	48.3		205
210	56.7	57.4		56.7	54.5		55.9	52.5		55	50.1		52.1	47.3		210
215	55	55.9	46	55.5	53		55.6	51.1		54.7	48.8		51.4	46.3		215
220	53.2	54.5	44.7	54	51.7		55.3	49.8		54.5	47.5		50.7	45.1		220
225	51.5	53.1	43.4	52.3	50.3	39.4	54.4	48.5		54.4	46.3		50.1	43.9		225
230	49.8	51.7	42.3	50.6	49	38.3	52.7	47.2		53.5	45.1		49.5	42.7		230
235	48.2	50.4	41.1	49	47.8	37.3	51	46.1	34.6	51.8	43.9		48.9	41.6		235
240	46.6	49.2	40	47.3	46.6	36.2	49.3	44.9	33.6	50.1	42.8	30.7	48.4	40.6		240
245	45.1	48	39	45.7	45.5	35.3	47.6	43.8	32.7	48.4	41.8	29.8	48	39.5		245
250	43.7	46.9	38	44.3	44.4	34.3	46	42.7	31.8	46.8	40.7	29	47.6	38.6	26	250
255	41.7	45.8	37	42.9	43.3	33.4	44.6	41.7	31	45.3	39.7	28.2	46.3	37.6	25.2	255
260		44.7	36.1	40.6	42.3	32.6	42.9	40.7	30.1	43.8	38.8	27.4	44.8	36.7	24.5	260
265		43.7	35.2		41.3	31.7		39.8	29.3	41.5	37.9	26.6	43.4	35.8	23.8	265
270		42.7	34.3		40.4	30.9		38.9	28.5		37	25.9		35	23.1	270
275		41.8	33.5		39.5	30.1		38	27.8		36.1	25.2		34.2	22.5	275
280		40.8	32.7		38.7	29.4		37.2	27.1		35.3	24.5		33.4	21.8	280
285			31.9		37.9	28.6		36.4	26.4		34.5	23.9		32.6	21.2	285
290			31.1			27.9			25.7		33.8	23.2		31.9	20.6	290
295			30.4			27.3			25.1			22.6		31.2	20	295
300			29.7			26.6			24.4			22			19.5	300
305			28.8			25.9			23.8			21.4			18.9	305
310						25.2			23.2			20.9			18.4	310
315									22.4			20.3			17.9	315
320												19.6			17.4	320
325												19			16.8	325
330															16.2	330

* adapter - pièce d'adaptateur

L198_208_01501_00_000

Lifting capacities Forces de levage

TYV2EN 253 ft



	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
105	57.6															105
110	57.6			57.7			53.6									110
115	57.6			57.7			53.6									115
120	57.6			57.7			53.6			52.2			50.4			120
125	57.6			57.7			53.6			52.2			50.4			125
130	57.6			57.7			53.6			52.2			50.4			130
135	57.6			57.7			53.6			52.2			50.4			135
140	57.6			57.6			53.6			52.2			50.4			140
145	57.6			57.2			53.6			52.2			50.4			145
150	57.6			56.8			53.6			52.2			50.4			150
155	57.2			56.5			53.6			52.2			50.4			155
160	56.8	54.4		56.1			53.6			52.2			50.4			160
165	56.2	54.2		55.6	53.3		53.6			52.2			50.4			165
170	55.7	53.9		55.1	53.1		53.6	51.8		52.2			50.4			170
175	55.3	53.7		54.7	52.9		53.6	51.6		52.2	49.8		50.4			175
180	54.8	53.5		54.2	52.7		53.5	51.5		52.2	49.7		50.4	47.6		180
185	54.4	53.3		53.8	52.5		53.1	51.3		52.1	49.6		50.4	47.6		185
190	53.9	53.1		53.4	52.4		52.7	51.2		51.8	49.5		50.4	47.4		190
195	53.6	53		53	52.2		52.4	51.1		51.5	49.5		50.3	46.8		195
200	53.2	52.8		52.7	52.1		52	51		51.1	49.4		50	46		200
205	52.8	52.7		52.3	52		51.7	50.9		50.8	49.3		49.4	45.2		205
210	52.5	52.5		52	51.8		51.4	50.8		50.5	48.4		48.8	44.4		210
215	52.2	52.3		51.7	51.6		51.1	49.4		50.2	47.1		48.2	43.6		215
220	51.7	52		51.4	50.6		50.8	48.1		50	45.8		47.5	42.8		220
225	51.1	51.8	42.5	51	49.3		50.6	46.9		49.7	44.6		46.9	42.1		225
230	49.7	50.7	41.3	50.5	48	37.4	50.4	45.6		49.6	43.4		46.3	41.3		230
235	48.1	49.4	40.2	48.9	46.8	36.3	49.6	44.5		49.4	42.3		45.7	40.3		235
240	46.7	48.2	39.1	47.3	45.6	35.4	48	43.3	32.1	48.7	41.2		45.1	39.2		240
245	45.2	47	38.1	45.9	44.5	34.4	46.5	42.2	31.2	47.2	40.2		44.7	38.3		245
250	43.7	45.9	37.1	44.4	43.4	33.4	45.1	41.2	30.3	45.8	39.2	27.4	44.3	37.3		250
255	42.3	44.8	36.1	42.9	42.4	32.5	43.6	40.2	29.4	44.3	38.2	26.6	44	36.3		255
260	40.9	43.7	35.2	41.5	41.4	31.7	42.2	39.2	28.6	42.8	37.3	25.9	43.6	35.5	23.2	260
265	39.1	42.7	34.3	40.2	40.4	30.8	40.8	38.3	27.8	41.4	36.4	25.1	42.2	34.6	22.5	265
270	34.4	41.7	33.4	38	39.4	30	39.5	37.4	27.1	40.1	35.5	24.4	40.8	33.8	21.8	270
275		40.8	32.6		38.5	29.3	36.2	36.5	26.4	38.7	34.7	23.7	39.5	32.9	21.2	275
280		39.9	31.8		37.7	28.5		35.7	25.7		33.9	23.1		32.2	20.6	280
285		39	31		36.8	27.8		34.9	25		33.1	22.4		31.4	20	285
290		38.2	30.2		36	27.1		34.1	24.3		32.3	21.8		30.7	19.4	290
295			29.5		35.3	26.4		33.4	23.7		31.6	21.2		30	18.8	295
300			28.8			25.7		32.7	23		30.9	20.6		29.3	18.3	300
305			28.1			25.1			22.4		30.3	20.1		28.7	17.7	305
310			27.4			24.5			21.9			19.5			17.2	310
315			26.7			23.9			21.3			19			16.7	315
320						23.2			20.8			18.5			16.2	320
325									20.2			18			15.8	325
330									19.5			17.4			15.3	330
335												16.8			14.8	335
340															14.3	340
345															13.7	345

* adapter - pièce d'adaptateur

t_198_208_01601_00_000

Lifting capacities Forces de levage

TYV2EN 264 ft



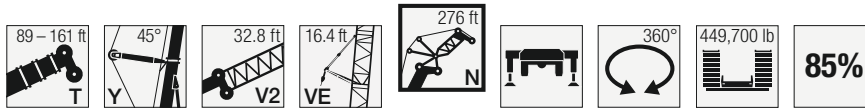
	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
110	52.1															110
115	52.1			51.5												115
120	52.1			51.5			49.2									120
125	52.1			51.5			49.2			45.9			44.7			125
130	52.1			51.5			49.2			45.9			44.7			130
135	52.1			51.5			49.2			45.9			44.7			135
140	52.1			51.5			49.2			45.9			44.7			140
145	52.1			51.5			49.2			45.9			44.7			145
150	52			51.3			49.2			45.9			44.7			150
155	51.4			50.8			49.2			45.9			44.7			155
160	50.8			50.2			49.2			45.9			44.7			160
165	50.2	49.1		49.6			49			45.9			44.7			165
170	49.6	48.9		49.1	48.1		48.4			45.9			44.7			170
175	49	48.6		48.5	47.9		47.9	46.8		45.9			44.7			175
180	48.5	48.3		47.9	47.7		47.4	46.6		45.9	45		44.7			180
185	47.9	47.9		47.4	47.3		46.8	46.4		45.9	44.9		44.7	43		185
190	47.3	47.4		46.8	46.9		46.3	46.1		45.5	44.7		44.5	43		190
195	46.7	47		46.3	46.5		45.8	45.7		45	44.5		44.1	42.9		195
200	46.2	46.6		45.8	46.1		45.3	45.4		44.5	44.2		43.6	42.7		200
205	45.6	46.1		45.3	45.7		44.8	45		44	43.9		43.2	42.3		205
210	45	45.7		44.8	45.3		44.3	44.7		43.6	43.6		42.7	41.8		210
215	44.6	45.4		44.3	44.9		43.8	44.3		43.2	43.3		42.3	41.1		215
220	44.2	45		43.8	44.5		43.4	43.9		42.7	43		41.9	40.4		220
225	43.7	44.6		43.3	44.2		42.9	43.6		42.3	42.7		41.6	39.8		225
230	43.3	44.2	40.2	42.9	43.8		42.5	43.3		41.9	42.3		41.2	39.1		230
235	42.8	43.8	39.2	42.5	43.5		42.1	43		41.5	41.2		40.8	38.4		235
240	42.4	43.5	38.1	42.1	43.1	34.3	41.7	42.3		41.2	40.2		40.4	37.7		240
245	42.1	43.1	37.1	41.8	42.8	33.4	41.4	41.2		40.8	39.1		40.1	37.1		245
250	41.8	42.8	36.1	41.4	42.4	32.5	41.1	40.2	29.3	40.5	38.1		39.8	36.3		250
255	41.3	42.5	35.1	41.2	41.3	31.6	40.8	39.2	28.5	40.2	37.2	25.7	39.5	35.3		255
260	40.2	42.2	34.2	40.8	40.3	30.8	40.5	38.2	27.7	40	36.3	24.9	39.3	34.4		260
265	38.9	41.7	33.3	39.6	39.4	29.9	40	37.3	26.9	39.8	35.4	24.2	39.1	33.6	21.6	265
270	37.7	40.7	32.5	38.3	38.4	29.1	38.9	36.4	26.2	39.3	34.5	23.5	39	32.8	21	270
275	36.5	39.8	31.7	37.1	37.6	28.4	37.6	35.5	25.5	38.2	33.7	22.8	38.7	32	20.3	275
280	33	38.9	30.9	35.5	36.7	27.6	36.4	34.7	24.8	37	32.9	22.2	37.6	31.2	19.7	280
285		38	30.1		35.9	26.9	34.5	33.9	24.1	35.8	32.1	21.6	36.4	30.4	19.1	285
290		37.2	29.4		35	26.2		33.1	23.4		31.4	21	34.8	29.7	18.5	290
295		36.4	28.6		34.3	25.5		32.4	22.8		30.7	20.4		29	18	295
300		35.6	27.9		33.5	24.9		31.7	22.2		30	19.8		28.4	17.4	300
305			27.2		32.8	24.2		31	21.6		29.3	19.2		27.7	16.9	305
310			26.6			23.6		30.4	21		28.7	18.7		27.1	16.4	310
315			26			23			20.5		28.1	18.2		26.5	15.9	315
320			25.4			22.5			19.9			17.7		26	15.4	320
325			24.8			21.9			19.4			17.2			15	325
330						21.4			18.9			16.7			14.5	330
335						20.7			18.4			16.2			14.1	335
340									17.9			15.8			13.7	340
345												15.3			13.2	345
350												14.7			11.8	350
355															10.4	355

* adapter - pièce d'adaptateur

t_198_208_01701_00_000

Lifting capacities Forces de levage

TYV2EN 276 ft



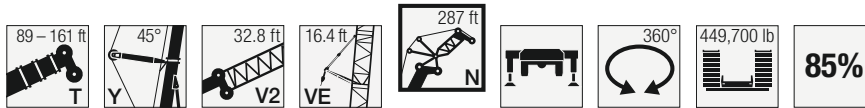
	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 276 ft															
115	46.8			45.4			42.2								115	
120	46.8			45.4			42.2								120	
125	46.8			45.4			42.2								125	
130	46.8			45.4			42.2						38.1		130	
135	46.8			45.4			42.2			40.8			38.1		135	
140	46.8			45.4			42.2			40.8			38.1		140	
145	46.8			45.4			42.2			40.8			38.1		145	
150	46.8			45.4			42.2			40.8			38.1		150	
155	46.8			45.4			42.2			40.8			38.1		155	
160	46.6			45.4			42.2			40.8			38.1		160	
165	46			45.4			42.2			40.8			38.1		165	
170	45.5	44.3		45			42.2			40.8			38.1		170	
175	45	44.1		44.5	43.4		42.2			40.8			38.1		175	
180	44.5	43.9		44	43.2		42.2	42.2		40.8			38.1		180	
185	44	43.6		43.5	43		42.2	42		40.8	40.5		38.1		185	
190	43.4	43.2		43	42.7		42.2	41.8		40.8	40.4		38.1	38.6	190	
195	42.9	42.8		42.5	42.3		42	41.5		40.8	40.3		38.1	38.6	195	
200	42.4	42.5		41.9	42		41.5	41.2		40.8	40		38.1	38.5	200	
205	41.8	42.1		41.4	41.6		41	40.9		40.3	39.8		38.1	38.3	205	
210	41.4	41.8		41	41.3		40.6	40.6		39.9	39.5		38.1	38.2	210	
215	40.9	41.4		40.5	40.9		40.1	40.3		39.5	39.2		38.1	37.9	215	
220	40.4	41		40	40.6		39.6	40		39	39		38.1	37.6	220	
225	39.9	40.6		39.6	40.3		39.2	39.7		38.6	38.7		37.8	37	225	
230	39.5	40.3		39.1	39.9		38.8	39.4		38.2	38.5		37.4	36.4	230	
235	39	39.9	37.4	38.7	39.6		38.3	39.1		37.8	38.2		37.1	35.8	235	
240	38.6	39.5	36.6	38.3	39.2		37.9	38.7		37.4	38		36.7	35.2	240	
245	38.2	39.2	35.6	37.9	38.9	31.9	37.5	38.4		37	37.5		36.4	34.6	245	
250	37.8	38.8	34.6	37.5	38.5	31	37.1	38.1		36.7	36.6		36	34	250	
255	37.4	38.5	33.7	37.2	38.2	30.1	36.8	37.6	27	36.3	35.7		35.7	33.5	255	
260	37.1	38.2	32.8	36.8	37.9	29.3	36.5	36.7	26.2	36	34.8		35.3	32.9	260	
265	36.9	37.9	31.9	36.5	37.6	28.5	36.2	35.8	25.5	35.7	33.9	22.8	35.1	32.1	265	
270	36.4	37.6	31.1	36.3	37	27.7	35.9	35	24.7	35.4	33	22.1	34.9	31.3	19.5	270
275	35.5	37.3	30.3	36	36.1	26.9	35.7	34.1	24	35.2	32.2	21.4	34.6	30.5	18.9	275
280	34.4	37.1	29.5	34.9	35.3	26.2	35.4	33.3	23.3	35.1	31.4	20.8	34.4	29.8	18.3	280
285	33.3	36.6	28.7	33.8	34.4	25.5	34.3	32.5	22.7	34.7	30.7	20.2	34.3	29	17.7	285
290	30.9	35.8	28	32.6	33.6	24.8	33.2	31.7	22.1	33.7	30	19.6	34.1	28.3	17.1	290
295		35	27.3	29.7	32.9	24.2	32.1	31	21.4	32.6	29.2	19	33.2	27.6	16.6	295
300		34.2	26.6		32.1	23.5		30.3	20.8	30.7	28.6	18.4	32.1	27	16	300
305		33.4	25.9		31.4	22.9		29.6	20.3		27.9	17.9		26.3	15.5	305
310		32.5	25.3		30.7	22.3		28.9	19.7		27.3	17.3		25.7	15	310
315			24.7		30.1	21.7		28.3	19.2		26.6	16.8		25.1	14.5	315
320			24.1			21.1		27.7	18.6		26	16.3		24.5	14.1	320
325			23.5			20.6			18.1		25.5	15.9		24	13.6	325
330			22.9			20.1			17.6			15.4		23.5	13.2	330
335			22.4			19.6			17.1			14.9			12.4	335
340						19.1			16.6			14.5			11.1	340
345						18.6			16.2			14			9.8	345
350									15.8			13.6			8.4	350
355												13.2			7.1	355
360												12.3			5.8	360
365															4.5	365

* adapter - pièce d'adaptateur

L_198_208_01801_00_000

Lifting capacities Forces de levage

TYV2EN 287 ft



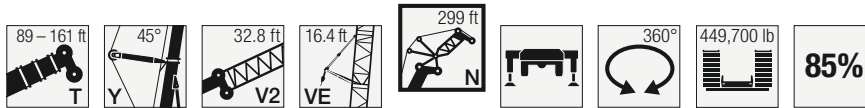
↙ ↘	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			↙ ↘
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
115	40.4															115
120	40.4			40			37.1									120
125	40.4			40			37.1									125
130	40.4			40			37.1									130
135	40.4			40			37.1						31.5			135
140	40.4			40			37.1			35.1			31.5			140
145	40.2			39.8			37.1			35.1			31.5			145
150	39.7			39.3			37.1			35.1			31.5			150
155	39.2			38.9			37.1			35.1			31.5			155
160	38.7			38.4			37.1			35.1			31.5			160
165	38.3			37.9			37.1			35.1			31.5			165
170	37.8			37.5			37			35.1			31.5			170
175	37.4	37.1		37.1			36.6			35.1			31.5			175
180	37	36.7		36.6	36.3		36.2			35.1			31.5			180
185	36.6	36.4		36.2	36		35.8	35.3		35.1			31.5			185
190	36.2	36		35.8	35.6		35.4	35		34.8	34.1		31.5			190
195	35.8	35.7		35.4	35.3		35	34.8		34.5	33.8		31.5	32.7		195
200	35.4	35.4		35.1	35		34.7	34.5		34.1	33.6		31.5	32.5		200
205	35.1	35.1		34.7	34.7		34.4	34.2		33.8	33.4		31.5	32.3		205
210	34.7	34.8		34.4	34.4		34	33.9		33.5	33.1		31.5	32.1		210
215	34.4	34.5		34.1	34.2		33.7	33.7		33.2	32.9		31.5	31.9		215
220	34.1	34.2		33.8	33.9		33.4	33.4		32.9	32.7		31.5	31.7		220
225	33.8	34		33.5	33.7		33.1	33.2		32.6	32.5		31.5	31.5		225
230	33.5	33.8		33.2	33.4		32.9	32.9		32.4	32.2		31.5	31.3		230
235	33.3	33.5		32.9	33.2		32.6	32.7		32.1	32		31.5	31.2		235
240	33	33.3		32.7	33		32.4	32.5		31.9	31.8		31.3	31		240
245	32.7	33.1	31.1	32.5	32.7		32.1	32.3		31.7	31.7		31.1	30.8		245
250	32.4	32.9	31	32.2	32.5	30.2	31.9	32.1		31.5	31.5		30.9	30.7		250
255	32.1	32.7	30.9	32	32.4	29.3	31.7	32		31.3	31.3		30.7	30.5		255
260	31.5	32.5	30.8	31.6	32.2	28.5	31.5	31.8	25.5	31.1	31.2		30.6	30.4		260
265	31	32.3	30.7	31	32	27.7	31	31.6	24.7	30.8	31.1		30.4	30.1		265
270	30.4	32.1	30.3	30.4	31.9	26.9	30.5	31.5	24	30.4	30.9	21.3	30.1	29.8		270
275	29.8	31.8	29.5	29.9	31.6	26.2	29.9	31.4	23.3	29.9	30.8	20.7	29.8	29.4		275
280	29.3	31.3	28.8	29.4	31.4	25.5	29.4	31.2	22.7	29.4	30.6	20.1	29.3	28.9	17.6	280
285	28.9	30.8	28	28.9	31.1	24.8	28.9	31	22	28.9	30	19.5	28.9	28.3	17	285
290	28.4	30.3	27.3	28.5	30.6	24.1	28.5	30.8	21.4	28.4	29.2	18.9	28.4	27.5	16.4	290
295	28	29.9	26.6	28	30.1	23.5	28	30.3	20.8	28	28.5	18.3	28	26.9	15.9	295
300	27.5	29.4	25.9	27.6	29.6	22.9	27.7	29.6	20.2	27.7	27.8	17.7	27.6	26.2	15.4	300
305	25.7	28.9	25.3	27.2	29.2	22.2	27.3	28.9	19.6	27.3	27.2	17.2	27.3	25.6	14.9	305
310		28.5	24.6		28.7	21.6		28.2	19	27.1	26.6	16.7	27	25	14.4	310
315		28.1	24		28.4	21.1		27.6	18.5		25.9	16.2		24.4	13.9	315
320		27.7	23.4		28	20.5		27	18		25.4	15.7		23.8	13.5	320
325			22.8		27.6	20		26.4	17.5		24.8	15.2		23.3	12.7	325
330			22.3		27.4	19.4		25.8	17		24.2	14.8		22.7	11.3	330
335			21.7			18.9		25.3	16.5		23.7	14.3		22.2	10	335
340			21.2			18.5			16			13.9		21.7	8.7	340
345			20.7			18			15.6			13.4			7.3	345
350			20.2			17.5			15.2			12.9			6.1	350
355						17.1			14.7			11.7			4.8	355
360									14.3			10.3			3.6	360
365									13.9			8.9				365
370												7.5				370

* adapter - pièce d'adaptateur

L_198_208_01901_00_000

Lifting capacities Forces de levage

TYV2EN 299 ft



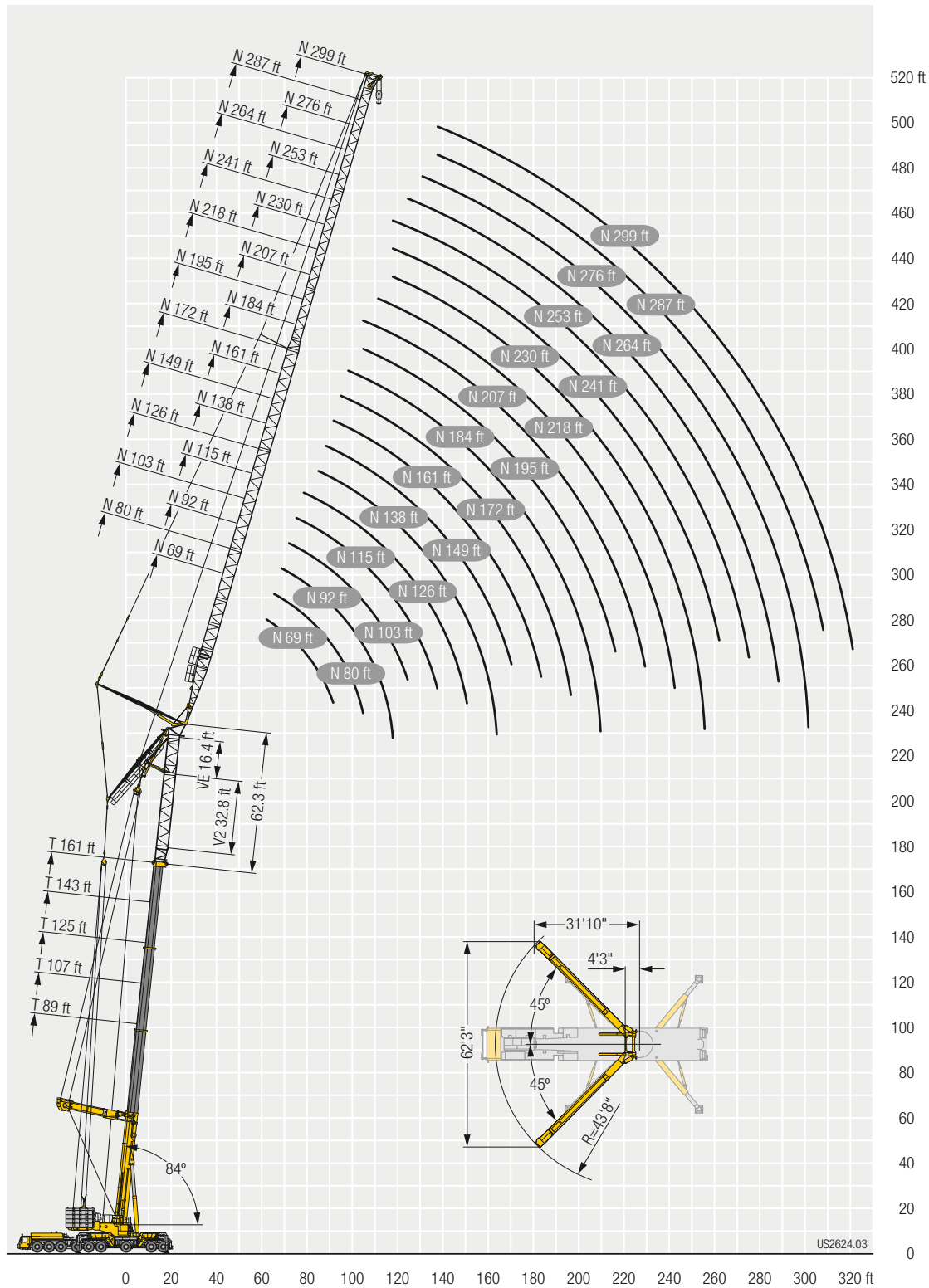
Crane Icon	89 + 62.3 ft*			107 + 62.3 ft*			125 + 62.3 ft*			143 + 62.3 ft*			161 + 62.3 ft*			Crane Icon
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
120	36.6															120
125	36.6			35.9												125
130	36.6			35.9			33.3									130
135	36.6			35.9			33.3									135
140	36.6			35.9			33.3			29.7			29.5			140
145	36.6			35.9			33.3			29.7			29.5			145
150	36.6			35.9			33.3			29.7			29.5			150
155	36.3			35.9			33.3			29.7			29.5			155
160	35.9			35.5			33.3			29.7			29.5			160
165	35.4			35.1			33.3			29.7			29.5			165
170	35			34.6			33.3			29.7			29.5			170
175	34.6			34.2			33.3			29.7			29.5			175
180	34.2	33.8		33.8			33.3			29.7			29.5			180
185	33.8	33.5		33.4	33.1		33			29.7			29.5			185
190	33.4	33.2		33.1	32.8		32.7	32.2		29.7			29.5			190
195	33.1	32.9		32.7	32.5		32.3	31.9		29.7	31		29.5			195
200	32.7	32.6		32.4	32.2		32	31.7		29.7	30.8		29.5	29.6		200
205	32.4	32.3		32.1	32		31.7	31.4		29.7	30.6		29.5	29.5		205
210	32	32		31.7	31.7		31.4	31.2		29.7	30.4		29.5	29.3		210
215	31.7	31.8		31.4	31.4		31.1	30.9		29.7	30.2		29.5	29.2		215
220	31.4	31.5		31.1	31.2		30.8	30.7		29.7	29.9		29.5	29		220
225	31.1	31.2		30.9	30.9		30.5	30.5		29.7	29.7		29.4	28.8		225
230	30.9	31		30.6	30.7		30.2	30.2		29.6	29.5		29.2	28.6		230
235	30.6	30.8		30.3	30.4		30	30		29.5	29.3		28.9	28.5		235
240	30.4	30.6		30.1	30.3		29.7	29.8		29.3	29.2		28.7	28.3		240
245	30.1	30.3		29.9	30		29.5	29.6		29.1	29		28.5	28.2		245
250	29.9	30.1	28.2	29.6	29.8		29.3	29.4		28.9	28.8		28.3	28		250
255	29.8	30	28.1	29.5	29.6		29.1	29.2		28.7	28.7		28.2	27.8		255
260	29.6	29.8	28	29.3	29.5	27.1	28.9	29.1		28.5	28.5		28	27.7		260
265	29.4	29.6	27.9	29.1	29.3	26.3	28.8	28.9		28.3	28.4		27.8	27.6		265
270	29.2	29.5	27.8	28.9	29.1	25.5	28.6	28.8	22.6	28.2	28.2		27.7	27.4		270
275	29	29.3	27.7	28.7	29	24.8	28.4	28.6	21.9	28	28.1	19.3	27.5	27.1		275
280	28.8	29.2	27.4	28.5	28.9	24.1	28.2	28.5	21.2	27.8	28	18.6	27.3	26.8		280
285	28.6	29.1	26.6	28.3	28.8	23.4	28	28.4	20.6	27.6	27.9	18.1	27.1	26.4	15.6	285
290	28.5	29	25.9	28.2	28.7	22.8	27.8	28.3	20	27.4	27.7	17.5	26.9	26	15	290
295	28.3	28.8	25.2	28.1	28.6	22.1	27.7	28.2	19.4	27.3	27.1	16.9	26.8	25.5	14.5	295
300	27.9	28.7	24.6	27.9	28.4	21.5	27.6	28	18.8	27.2	26.4	16.4	26.7	24.8	14	300
305	27.6	28.6	23.9	27.5	28.2	20.9	27.5	27.5	18.2	27.2	25.8	15.9	26.6	24.2	13.5	305
310	26.6	28.5	23.3	27.2	28.2	20.3	27.2	26.8	17.7	27.1	25.2	15.3	26.6	23.6	12.9	310
315		28.4	22.7	26.1	28	19.7	26.9	26.2	17.2	26.9	24.6	14.9	26.6	23	11.7	315
320		28.1	22.1		27.4	19.2	25.1	25.6	16.7	26.3	24	14.4	26.5	22.5	10.3	320
325		27.7	21.5		26.7	18.7		25	16.2		23.4	13.9		21.9	8.9	325
330		27.2	21		26.1	18.2		24.4	15.7		22.9	13.5		21.4	7.5	330
335		26.5	20.4		25.6	17.6		23.9	15.2		22.3	13		20.9	6.2	335
340			19.9		25.1	17.2		23.4	14.8		21.8	12.3		20.4	5	340
345			19.4			16.7		22.9	14.3		21.3	11		19.9	3.7	345
350			18.9			16.3			13.9		20.9	9.6		19.4		350
355			18.5			15.8			13.5			8.3		19		355
360			18			15.4			13.1			6.9				360
365						15			12.2			5.7				365
370						14.6			10.8			4.4				370
375									9.3							375

* adapter - pièce d'adaptateur

L_198_208_02001_00_000

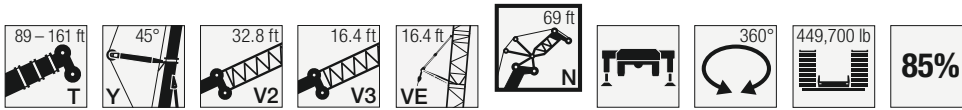
Lifting heights Hauteurs de levage

TYV2EN



Lifting capacities Forces de levage

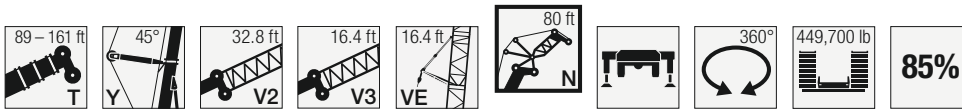
TYV23EN 69 ft - 80 ft



	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			
	N 69 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
55	252.8															55
60	241			236.6			228.1			216.6						60
65	230			225.2			217.6			206.5			192.1			65
70	219.7			212.9			207.6			197.1			183.1			70
75	210			201.5			196.9			188.4			174.8			75
80	200.7			190.9			186.7			180.3			166.9			80
85	191.5	186.5		181.2			177.3			172.7			159.6			85
90		176.8		172.8	152.6		169			165.5			153.4			90
95		167			143.7					158.3			148.3			95
100		158			136.1			132.4			137.6					100
105		149.8			129.4			125.5			130.5			126.7		105
110		142.3			123.4			119.8			124.5			120.7		110
115					118.2			114.4			118.9			115.3		115
120								109.6			114			110.2		120
125			106.6								109.5			105.7		125
130			102			86.2										130
135			97.7			81.5										135
140						77.6			74.2							140
145						74.2			70.4			73.9				145
150									67.2			70.3				150
155												67.2			63.4	155
160												64.5			60.6	160
165															58	165

* adapter - pièce d'adaptateur

t_198_212_00001_00_000



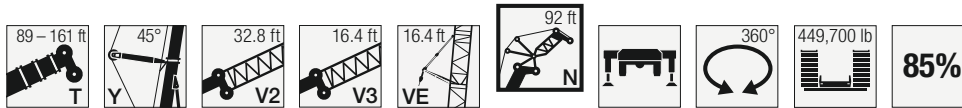
	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			
	N 80 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
55	242.5															55
60	232.1			227												60
65	222.3			217.5			209.5			198.7						65
70	213.1			208.6			200.9			190.7			180.6			70
75	204.6			200.3			192.8			182.8			172.4			75
80	196.4			190.9			185.2			175.4			164.5			80
85	188.5			181.1			177.1			168.6			157			85
90	181	174.9		172.3			168.6			162.1			150.2			90
95	173.6	165.9		164	148.5		160.7			156			144.3			95
100	165.3	157.1		157	139.5		153.5			149.9			139.1			100
105		149			131.8			128.4			134.2			134.6		105
110		141.6			125.2			121.6			127.1				122.4	110
115		134.9			119.3			115.8			120.9				116.4	115
120		128.6			114			110.4			115.4				111.2	120
125					109.3			105.6			110.5				106.5	125
130			101.1					101.4			106				102.4	130
135			96.9								102				98.4	135
140			92.9												94.7	140
145			89.2			80.8										145
150			85.7			76.5				73.5						150
155						72.8				69.3						155
160						69.7				65.8			69			160
165										62.8			66.2		62	165
170										60.2			63.3		59.5	170
175													60.8		56.8	175
180															54.4	180

* adapter - pièce d'adaptateur

t_198_212_00101_00_000

Lifting capacities Forces de levage

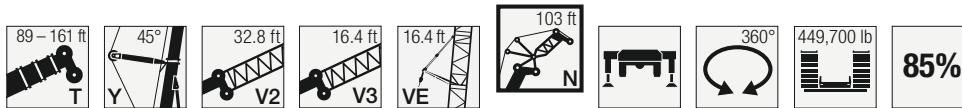
TYV23EN 92 ft - 103 ft



↕	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			↕
	N 92 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
60	227.6															60
65	218.4															65
70	209.3															70
75	200.7															75
80	192.8															80
85	185.2															85
90	178															90
95	171.1	162.7														95
100	164.6	154.8														100
105	157.9	147.4														105
110	151	140.7														110
115		134														115
120		127.9														120
125		122.1														125
130		116.8														130
135		111.8														135
140			95.9													140
145			88.3													145
150			84.9													150
155			81.7													155
160			78.6													160
165																165
170																170
175																175
180																180
185																185
190																190

* adapter - pièce d'adaptateur

t_198_212_00201_00_000



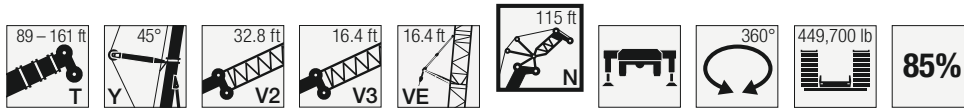
↕	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			↕
	N 103 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
65	208.9															65
70	201.4															70
75	194.2															75
80	187.4															80
85	180.6															85
90	174															90
95	167.8															95
100	161.9	151.9														100
105	156.1	144.7														105
110	150.5	138.2														110
115	143.6	132.3														115
120	135.5	126.8														120
125		121.5														125
130		116.3														130
135		111.5														135
140		106.9														140
145		102.7														145
150			87.5													150
155			84.2													155
160			81													160
165			78													165
170			75.2													170
175			72.6													175
180																180
185																185
190																190
195																195
200																200

* adapter - pièce d'adaptateur

t_198_212_00301_00_000

Lifting capacities Forces de levage

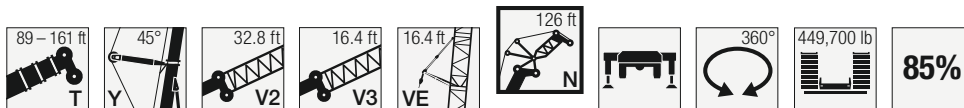
TYV23EN 115 ft - 126 ft



↙ ↘	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			↙ ↘
	N 115 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
65	198.2															65
70	191.9			184.7												70
75	185.7			178.6			171.5					163.9			155.7	75
80	179.8			172.8			166					158.5			150	80
85	173.9			167.2			160.7					153.4			144.2	85
90	168.4			162			155.7					148.6			138.6	90
95	163.1			157.2			151					144.1			133.3	95
100	157.7			152.4			146.4					139.8			128.5	100
105	152.5	141.9		147			142					135.6			123.9	105
110	147.5	135.5		141.2	129.3		137.6					131.6			119.8	110
115	142.1	129.7		135.9	123.4		133					127.5			115.9	115
120	135.3	124.3		131.1	117.5		128.3	113.9				123.5			112.5	120
125	127.9	119.3		126.7	112.2		124.1	108.7				119.6	105.3		109.2	125
130	121.3	114.8		122.3	107.4		119.9	104.2				116	101.3		106.2	130
135	115.4	110.4		118.4	103.1		115.7	99.8				112.3	97.5		103.6	135
140		106.2			99.2			96				108.6	93.9		101.7	140
145		102			95.4			92.4					90.6			145
150		98.1	83.2		91.8			88.9					87.5			150
155		94.4	80.1		88.6			85.7					84.6			155
160			77.1		85.8	71.4		82.7					81.4			160
165			74.4			68.8		80	64.4				78.5			165
170			71.7			65.8			62.1				75.7			170
175			69.2			62.9			59.6					55.9		175
180			66.9			60.3			56.9					54		180
185			64.6			58			54.5					52.2		185
190						55.9			52.3					50.4		190
195									50.4					48.6		195
200									48.6					46.7		200
205														45		205
210															41.5	210

* adapter - pièce d'adaptateur

t_198_212_00401_00_000



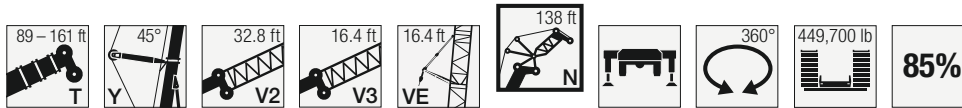
↙ ↘	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			↙ ↘
	N 126 ft															
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
70	180															70
75	179.1			172.9			166.8									75
80	175.3			167.2			161.1					154.8			143.3	80
85	169.7			161.7			155.9					149.6			138.3	85
90	164.3			156.5			150.8					144.7			133.4	90
95	159.2			151.6			146					140.2			128.8	95
100	154.4			147.1			141.7					135.9			124.2	100
105	149.7			142.6			137.4					131.8			120	105
110	145.2	133.4		138.4			133.4					128			116.2	110
115	140.6	127.6		134.3	122		129.5					124.4			112.5	115
120	136.1	122.4		130.2	117		125.7	112.1				120.9			109.2	120
125	130	117.5		126.1	112.3		121.9	107.6				117.4			106.1	125
130	123.1	112.9		122.1	108		118.2	103.4				114	99		103.2	130
135	117	108.7		118.1	103.9		114.5	99.5				110.7	95.2		100.7	135
140	111.4	104.8		114.2	100.2		110.8	95.9				107.3	91.8		98.3	140
145	106.3	101.1		109.1	96.7		107.1	92.6				103.9	88.5		96.2	145
150		97.7			93.4		103.2	89.4				100.6	85.5		94.5	150
155		94.1	79.4		90.3			86.4					82.7			155
160		90.7	76.6		87.1			83.7					80			160
165		87.4	73.9		84	68.6		80.8					77.5			165
170			71.3		81	66.1		77.9					74.9			170
175			68.8			63.8		75.2					72.3			175
180			66.5			61.6							69.8			180
185			64.2			59.6										185
190			62.1			57.6										190
195			60.1			55.7										195
200						53.9										200
205																205
210																210
215																215
220																220
225																225

* adapter - pièce d'adaptateur

t_198_212_00501_00_000

Lifting capacities Forces de levage

TYV23EN 138 ft



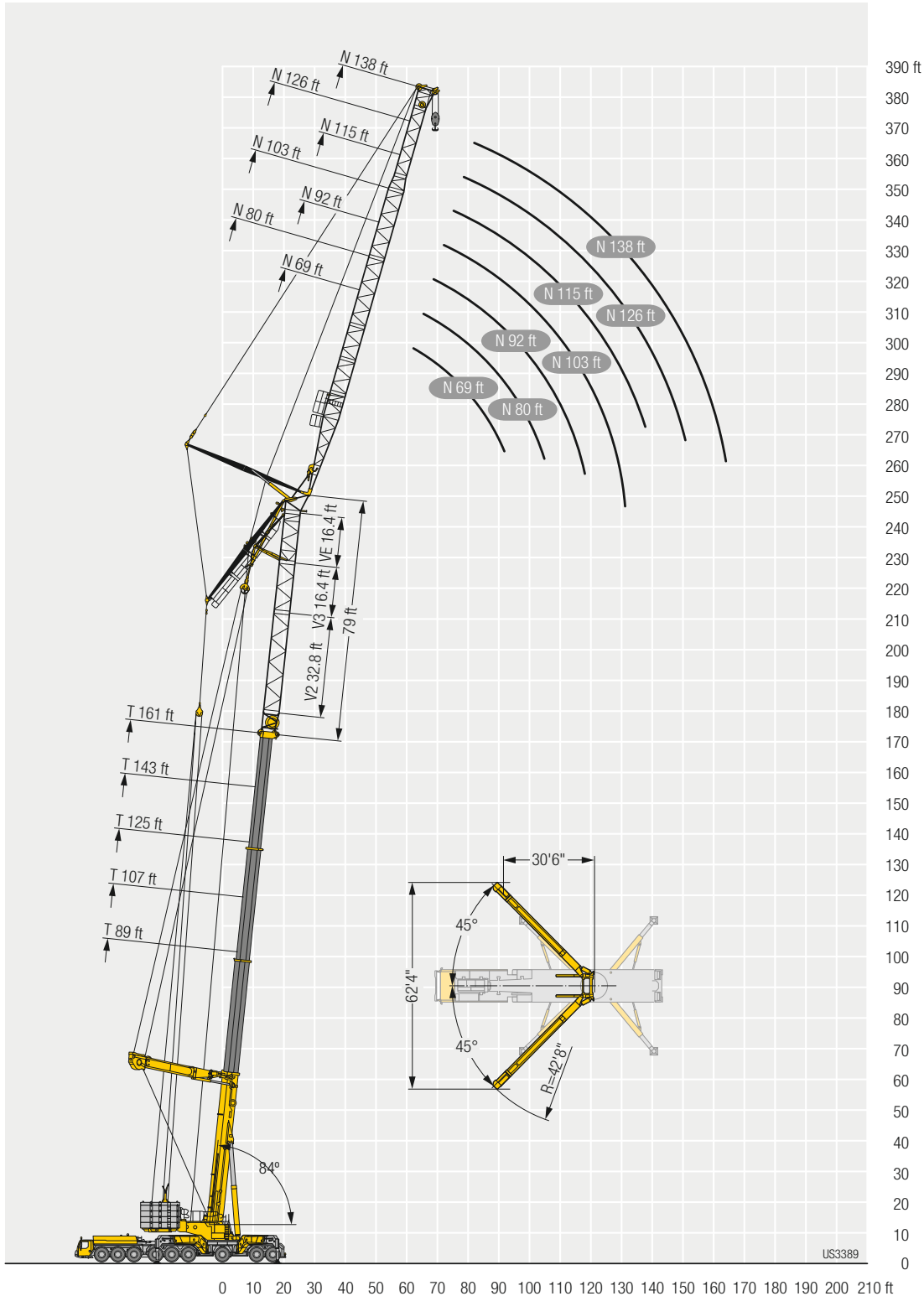
	89 + 79 ft*			107 + 79 ft*			125 + 79 ft*			143 + 79 ft*			161 + 79 ft*			
	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	84°	76°	66°	
	N 138 ft															
75	163			158.7			152.9									75
80	162.2			158.1												80
85	160.9			155			149.1			143.1			132.4			85
90	157.9			150.4			144.6			138.7			128.1			90
95	153.3			145.9			140.2			134.3			123.8			95
100	148.8			141.6			136			130.3			119.8			100
105	144.6			137.5			132			126.6			115.8			105
110	140.5			133.6			128.4			123.1			112			110
115	136.5	124.6		129.8			124.9			119.6			108.5			115
120	132.7	119.5		126.2	114.1		121.4			116.3			105.2			120
125	128.4	114.7		122.7	109.5		118.1			113.2			102.2			125
130	122	110.3		119.3	105.3		114.8	100.7		110.2			99.3			130
135	115.9	106.1		115.6	101.3		111.8	96.9		107.3	93.6		96.6	90.6		135
140	110.2	102.3		112.1	97.6		108.7	93.4		104.5	90.2		94.3	87.3		140
145	105.1	98.7		107.9	94.2		105.5	90.1		101.6	87.1		92.1	84.2		145
150	100.4	95.3		103	91		102.3	87		98.7	84.1		90.1	81.3		150
155	96.1	92.1		98.5	88		99.2	84.1		95.8	81.3		88.4	78.6		155
160		89.2		94.2	85.1		95.9	81.3		92.9	78.6		86.9	76		160
165		86.3	72.1		82.4			78.8			76.2		85.7	73.6		165
170		83.4	69.8		79.9	64.3		76.3			73.8			71.4		170
175		80.5	67.5		77.2	62.3		74			71.6			69.2		175
180		77.7	65.2		74.6	60.3		71.6	55.6		69.5			67.2		180
185			63		72.1	58.3		69.2	53.9		67.3			65.2		185
190			61			56.3		66.9	52.1		65	48.9		63.2		190
195			59			54.5			50.4			47.3		61.1	44.1	195
200			57.1			52.7			48.7			45.7			42.6	200
205			55.3			51			47.1			44.2			41.2	205
210						49.4			45.6			42.8			39.8	210
215						47.8			44.2			41.4			38.5	215
220									42.8			40.1			37.3	220
225												38.8			36.1	225
230												37.6			34.9	230
235															33.8	235

* adapter - pièce d'adaptateur

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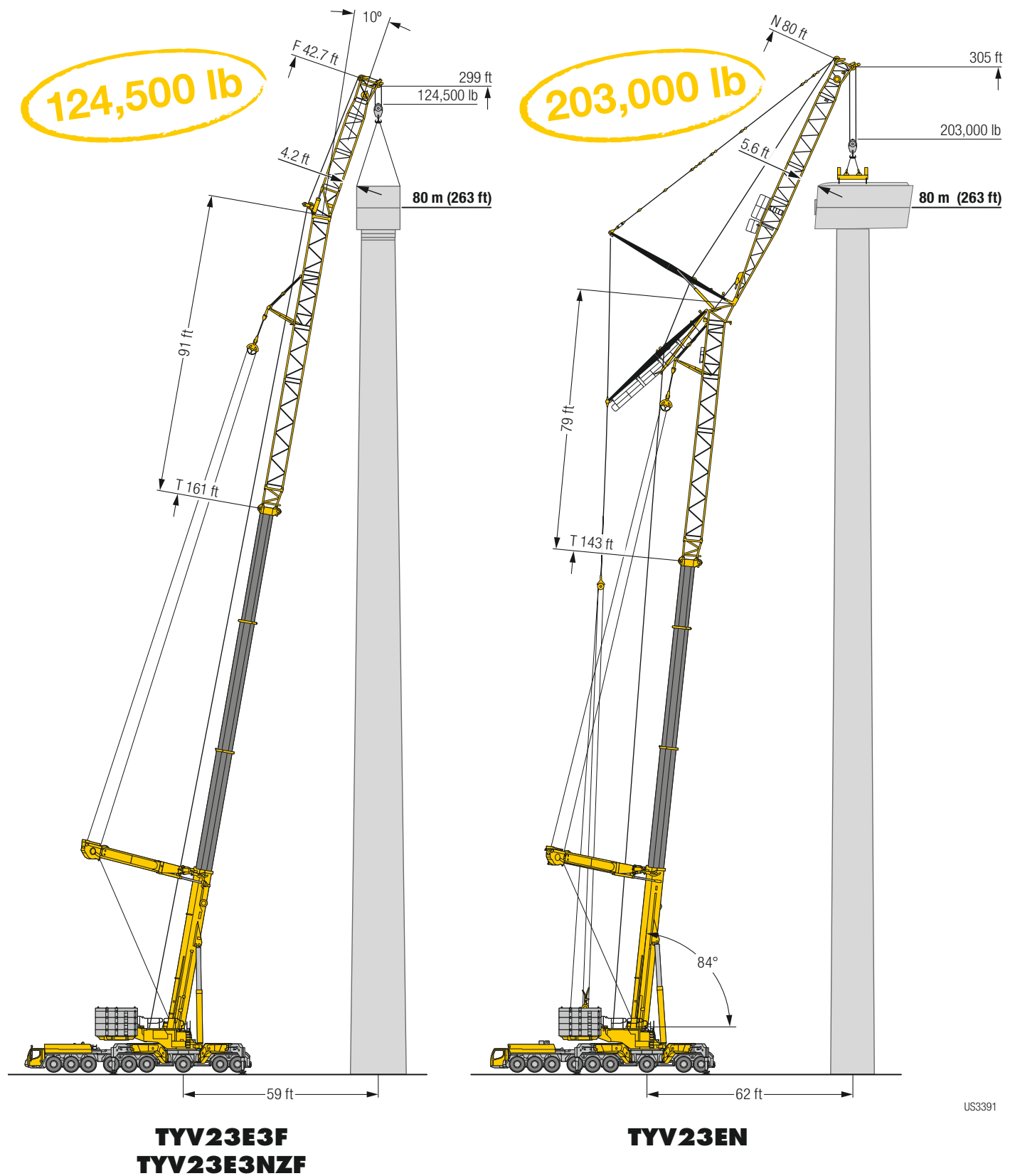
Lifting heights Hauteurs de levage

TYV23EN



Wind power applications

Applications de centrale éolienne



Equipment Equipment

Crane carrier

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel.
Outriggers	Four hydraulic swing-out beams with hydraulic support jacks. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	8-cylinder Diesel, make Liebherr, watercooled, output 505 kW (686 h.p.), max. torque 2213 lb-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 159 gallons. Adblue reservoir: 12 gallons.
Transmission	Automatic transmission system with torque converter and interarder, make ZF, 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
Axles	Low maintenance carrier axles, all 9 axles steered. Axle 2, 3, 5 and 6 are equipped with planetary gears, axle 5 and 6 with transversal differential locks, axle 3 and 5 with longitudinal differential locks.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.
Tyre equipment	18 tyres, all axles equipped with single tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit and ABV automatic blocking preventer. Additional brakes: exhaust flap brake, Telma Eddy current brake, interarder in gearbox. Hand brake: Spring-loaded, acting on all wheels of axles 3 to 8.
Driving cab	Spacious and comfortable sheet steel cab mounted on rubber shock absorbers, safety glass windows.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 180 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Roller-bearing slewing ring.
Crane engine	6 cylinder diesel engine, make Liebherr, integrated in the counterweight frame, water-cooled, power 300 KW (408 h.p.), max. torque 1379 lb-ft. Exhaust emission according to directive 97/68/EG and EPA/CARB. Fuel tank: 200 gallons. Adblue reservoir 12 gallons.
Crane drive	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control.
Crane control	Two self-centering control levers (joy-sticks). Foot pedal for telescoping. Infinitely variable crane motions through displacement control of the hydraulic pumps. Additional working speed control by variation of the Diesel engine speed.
Hoist gear	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake.

2nd hoist gear	Variable axial piston motor, Liebherr hoist drum with built-in planetary gear and static brake.
Luffing gear	2 differential cylinders with safety check valves.
Slewing gear	3 axial piston constant motors, planetary gear, spring loaded multiple disk brake.
Crane cab	Corrosion resistant steel 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.
Counterweight	Total ballast 449,700 lb, consisting of: 1 ground plate 24,250 lb, 1 counterweight frame 50,700 lb, 16 pieces 22,050 lb each, 2 pieces 11,025 lb each, hydraulic ballasting device.
Telescopic boom	1 base section and 3 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 53 ft to 171 ft.
Electric system	Modern data bus technique, 24 Volt DC.

Additional equipment

Guying system for telescopic boom Y	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position.
Eccentric VE	Incl. 16.4 ft telescopic boom extension.
Telescopic boom extension V2/V3	32.8 ft lattice section (V2) + 2 x 16.4 ft lattice section (V3).
Lattice jibs F/NZF/N	Fixed lattice jib 20 ft – 180 ft long, at 0°, 10°, 20° 40° (F) or hydraulic 0° – 38° (NZF), luffing lattice jib 69 ft – 299 ft long (N).
3rd hoist gear with luffing block	Variable axial piston motor, Liebherr hoist drum with built-in planetary gear and static brake, for adjusting luffing fly jib.
Tyre equipment	18 tyres, size 525/80 R 25 (20.5 R 25).
Erection support carrier rear end	Necessary for self erection of the rear folding outriggers.

Other items of equipment available on request.

The pictures contain also accessories and special equipment not included in the standard scope of delivery.

Equipment Equipment

Châssis porteur

Châssis	Fabrication Liebherr, construction en caisson indeformable, en acier a grain fin haute resistance.
Stabilisateurs	Quatre poutres déployables hydrauliquement avec vérins de calage hydrauliques. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
Moteur	Moteur diesel, 8 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 505 kW (686 ch), couple max. 2213 lb-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 159 gallons. Réservoir Adblue: 12 gallons.
Boîte de vitesse	Boîte automatique avec convertisseur de couple et ralentisseur, marque ZF, 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
Essieux	Essieux nécessitant peu d'entretien, les 9 essieux sont directeurs. Les essieux 2, 3, 5 et 6 sont des essieux planétaires, essieu 5 et 6 avec verrouillage du différentiel transversal, essieu 3 et 5 avec verrouillage du différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Tous les essieux sont à suspension hydropneumatique avec mise à niveau automatique. Suspension blocable hydrauliquement.
Pneumatiques	18 roues à monte simple. Taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service : servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits et antiblocage du système de freinage automatique ABV. Freins auxiliaire : par clapet sur échappement, frein Telma, ralentisseur monté sur boîte de vitesse. Frein de secours et frein à main : par cylindres à ressorts sur les essieux 3 à 8.
Cabine	Cabine spacieuse, en tôle d'acier, équipement «grand confort», suspendue sur silent blocs, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 180 Ah chacune.

Partie tournante

Châssis	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin de haute résistance. Couronne d'orientation de rouleaux.
Moteur	Diesel 6 cylindres, Liebherr, intégré dans le bâti de contrepoids, à refroidissement par eau, puissance 300 kW (408 ch), couple maximum 1379 lb-ft. Emissions polluantes : conformes aux normes 97/68/EG et EPA/CARB. Capacité du réservoir: 200 gallons. Réservoir Adblue: 12 gallons.
Entraînement	Diesel hydraulique à 5 pompes à débit variable servo commandées à régulation de puissance.
Commande	2 leviers à 4 directions avec rappel automatique au point mort. Pédale pour télescopage. Commande des mouvements progressive en continu par variation de l'inclinaison des pompes et augmentation du régime moteur.

Treuil	Moteur hydraulique à cylindrée variable, treuil avec réducteur planétaire à frein d'arrêt à lamelles intégrées.
Deuxième treuil	Moteur à cylindrée variable et pistons axiaux, treuil à câble Liebherr avec réducteur planétaire intégré et frein d'arrêt commandé par ressort.
Relevage de flèche	2 vérin différentiel avec soupapes de retenue.
Mécanisme d'orientation	3 moteur à débit constant et pistons axiaux, réducteur planétaire, frein d'arrêt à ressort.
Cabine de grue	Cabine du grutier en tôle d'acier avec traitement anticorrosion, large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de 20° vers l'arrière.
Sécurités	Contrôleur de charge LICCON2, système test, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Contrepoids	Contrepoids total 449,700 lb, comprenant : 1 plaque de base 24,250 lb, 1 bâti de contrepoids 50,700 lb, 16 éléments à 22,050 lb, 2 éléments à 11,025 lb. Dispositif de lestage hydraulique.
Flèche télescopique	Un élément de base et de 3 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 53 ft – 171 ft.
Circuit électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts.

Equipment supplémentaire






































Haubanage de flèche Y	Composé du chevalet d'haubanage avec haubanage du câble, rabattable hydrauliquement en position de transport.
Axe excentrique VE	Avec extension de flèche de 16.4 ft.
Rallonge de flèche télescopique V2/V3	Élément en treillis de 32,8 ft (V2) + Élément en treillis de 2 x 16.4 ft (V3).
Fléchettes F/ NZF/N	Fléchette treillis fixe 20 ft – 180 ft long, sous 0°, 10°, 20°, 40° (F) ou réglable hydrauliquement 0° – 38° (NZF), fléchette treillis à volée variable 69 ft – 299 ft long (N).
Troisième treuil avec train de mouflage	Moteur à cylindrée variable et pistons axiaux, treuil à câble Liebherr avec réducteur planétaire intégré et frein d'arrêt commandé par ressort, pour le déploiement de la fléchette treillis à volée variable.
Pneumatiques	18 pneus. Taille 525/80 R 25 (20.5 R 25).
Stabilisateurs de montage arrière du véhicule	Requis lors du montage autonome des poutres rabattables arrière.

Autres équipements supplémentaires sur demande.

Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

Description of symbols

Explication des symboles

	Max. capacity Capacité max.		infinitely variable en continu		Hydraulic lattice jib Fléchette treillis hydraulique
	Max. hoist height Hauteur de levage max.		Rope diameter Diamètre		Telescopic boom extension Rallonge flèche télescopique
	Max. radius Portée max.		Rope length Longueur du câble		Eccentric Axe excentrique
	Tyres Pneumatiques		Max. single line pull Effort au brin maxi.		
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Hoist gear Treuil de levage		
	No. of sheaves Poulies		Slewing speeds Vitesses d'orientation		
	No. of lines Brins		Boom length Longueur de la flèche		
	Weight Poids		Boom position Position de la flèche		
	Crane carrier Châssis porteur		Axle Essieu		
	Driving speed Vitesse de translation		Page Page		
	Gradability Aptitude à graver les pentes		Outriggers Calage		
	Transmission Boîte de vitesse		Slewing gear / Working area Mécanisme d'orientation / Plage de travail		
	Gear Vitesse		Standard Norme		
	Max. supporting forces Forces d'appui max.		Radius Portée		
	Outriggers front Calage avant		Telescopic boom Flèche télescopique		
	Outriggers rear Calage arrière		Guying system for telescopic boom Y Haubanage de flèche Y		
	Crane superstructure Partie tournante de la grue		Luffing fly jib Fléchette treillis à volée variable		

Remarks

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4. Lifting capacities are given in kip.
5. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centre.
7. The stated lengths of the telescopic boom are maximum values and may deviate slightly.
8. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
9. Subject to modification of lifting capacities.
10. Lifting capacities above 593,000 lb only with special equipment.
11. 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.
12. The pictures contain also accessories and special equipment not included in the standard scope of delivery.

Remarques

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4. Les forces de levage sont données en kip.
5. 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.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.
8. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
9. Charges données sous réserve de modification.
10. Forces de levage plus de 593,000 lb seulement avec équipement supplémentaire.
11. 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.
12. Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

Proposition 65



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

Subject to modification / Sous réserve de modifications

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Printed in Germany (1) lwe-td-198-05-us12-2021

Courtesy of CraneMarket.com