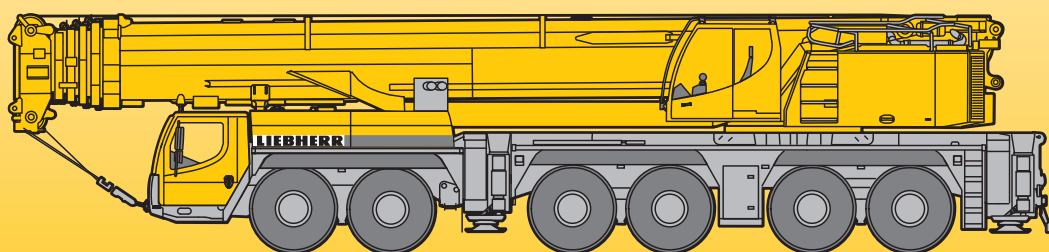




Mobile Crane Grue mobile

LTM 1350-6.1

Technical Data
Caractéristiques techniques



LIEBHERR



Table of content

Tables des matières

Technical Data

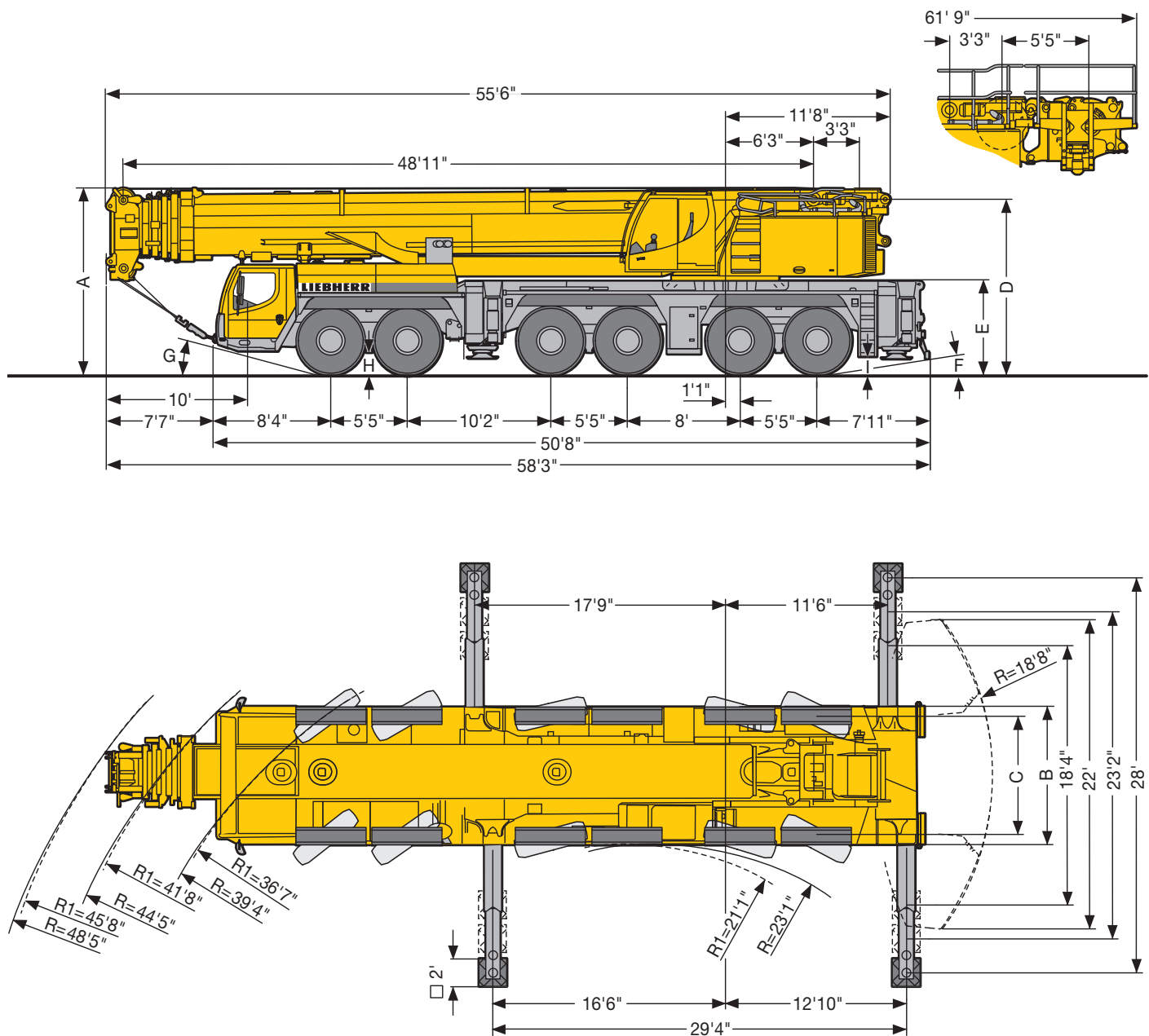
Dimensions	3
Boom/jib combinations	4 – 7
Weights, Working speeds	8
Lifting capacities on telescopic boom T	9 – 12
Lifting capacities on guyed telescopic boom TY	13 – 15
Lifting capacities on the lattice fly jib TF	16 – 24
Lifting capacities on TYVEF boom/derrick combination	25 – 39
Lifting capacities on the luffing lattice jib TN	40 – 52
Lifting capacities on TYVEN boom/derrick combination	53 – 71
Equipment	72
Remarks referring to load charts	74

Caractéristiques techniques

Encombrement	3
Configurations de flèche	4 – 7
Poids, Vitesses	8
Forces de levage à la flèche télescopique T	9 – 12
Forces de levage à la flèche télescopique haubanée TY	13 – 15
Forces de levage à la fléchette treillis fixe TF	16 – 24
Forces de levage en configuration TYVEF	25 – 39
Forces de levage à la fléchette treillis relevable TN	40 – 52
Forces de levage en configuration TYVEN	53 – 71
Équipement	73
Remarques relatives aux tableaux des charges	74



Dimensions Encombrement



US2271.03

R₁ = All-wheel steering · Direction toutes roues

Dimensions · Encombrement										
	A	A 6"	B	C	D	E	F	G	H	I
445/95 R 25 (16.00 R 25)	13'1"	12'8"	9'10"	8'4"	12'4"	6'7"	8°	14°	1'4"	1'2"
525/80 R 25 (20.5 R 25)	13'1"	12'8"	10'2"	8'5"	12'4"	6'7"	8°	14°	1'4"	1'2"

* lowered · abaissé



Boom/jib combinations Configurations de flèche

- T** Telescopic boom · Flèche télescopique
Y Y-shaped guying system · Haubanage Y
F Fixed lattice jib · Fléchette treillis fixe
H Auxiliary jib · Fléchette auxiliaire



T
9 – 12

TY
13 – 15

TF
16 – 24

TFH

TYVEF
25 – 39

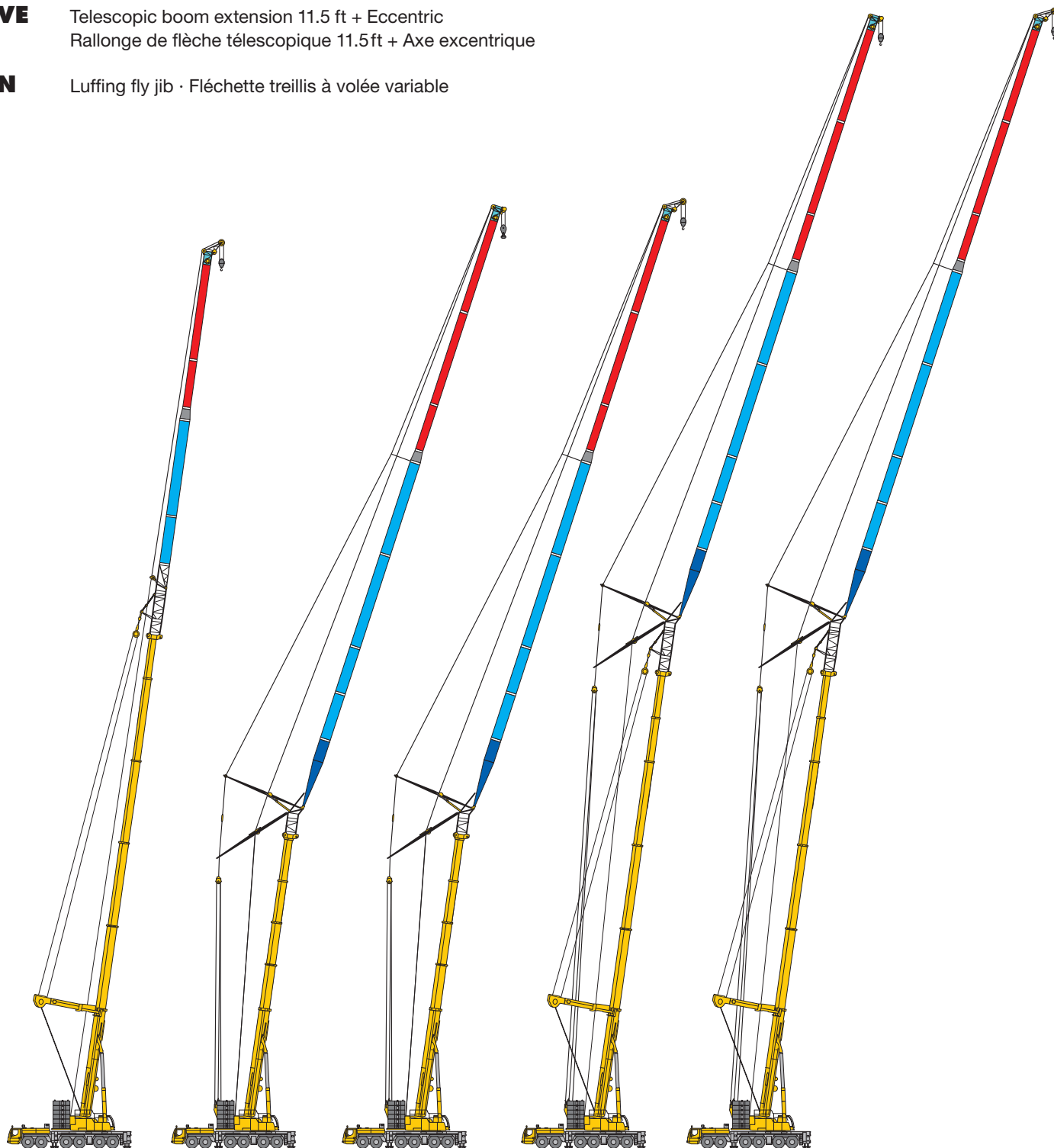
S2586



Boom/jib combinations Configurations de flèche

VE Telescopic boom extension 11.5 ft + Eccentric
Rallonge de flèche télescopique 11.5 ft + Axe excentrique

N Luffing fly jib · Fléchette treillis à volée variable



TYVEFH

TN

40 – 52

TNH

TYVEN

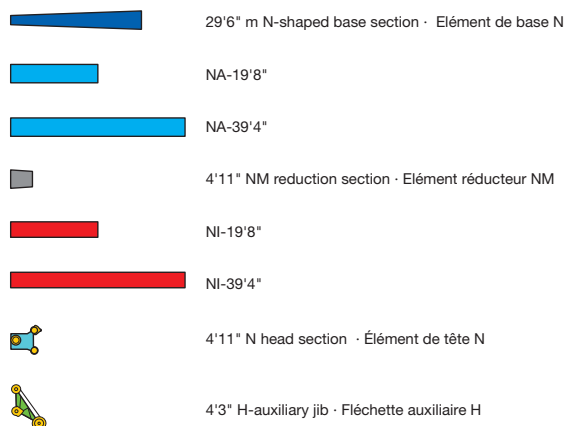
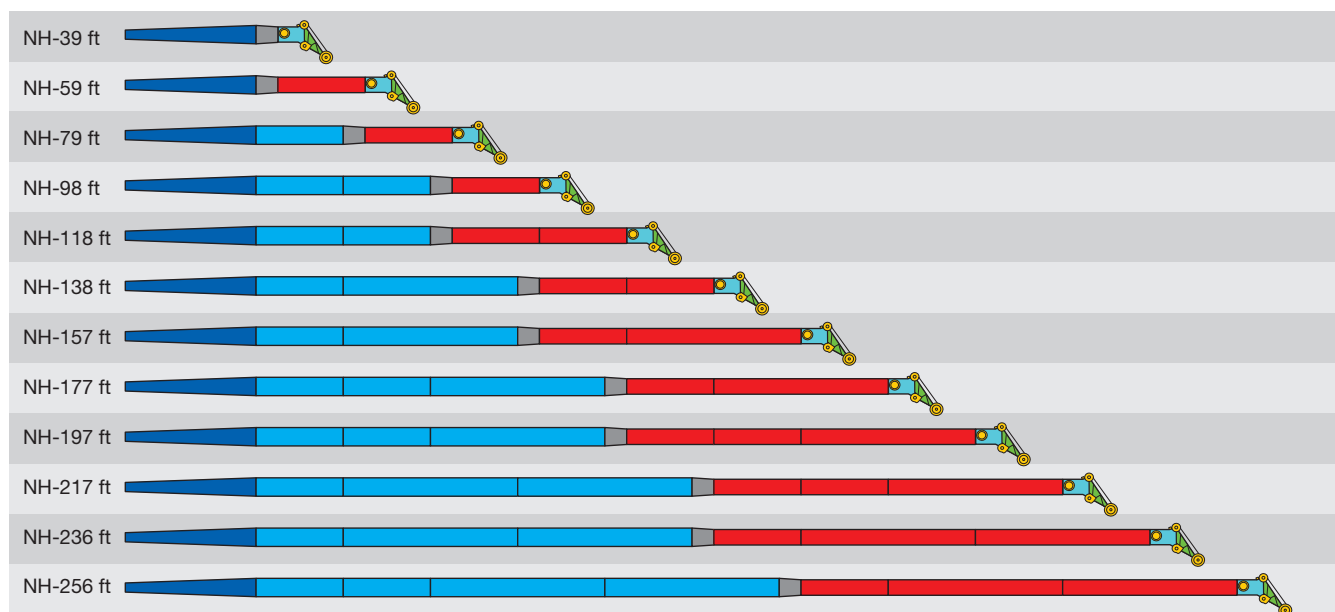
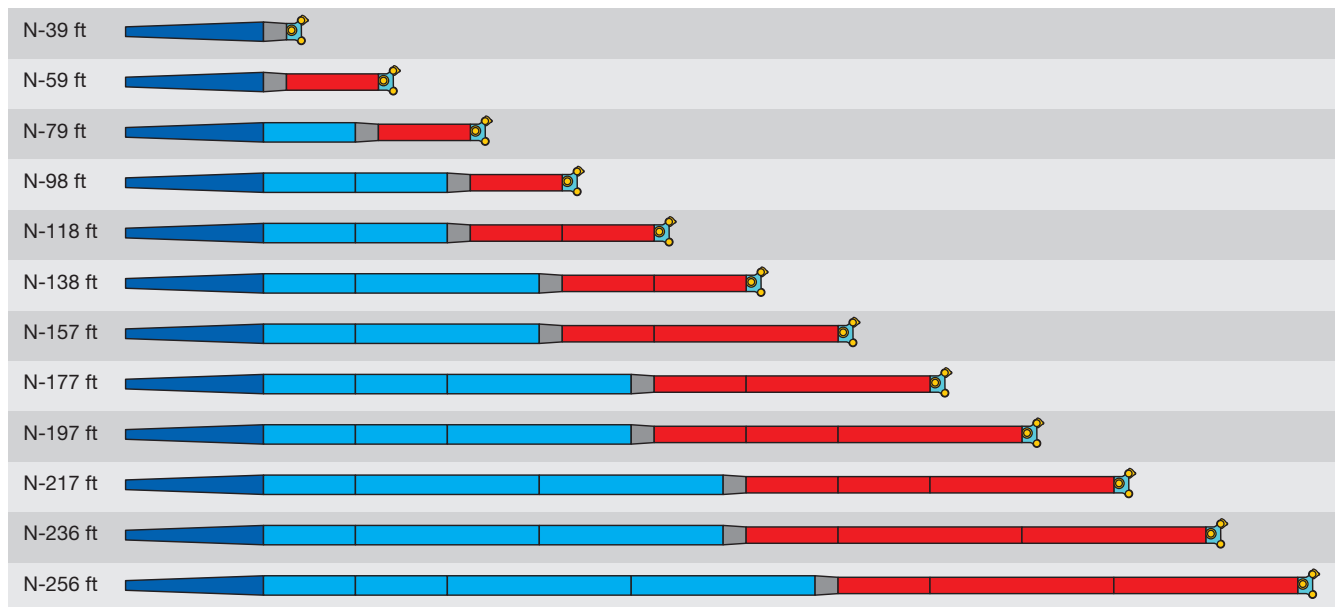
53 – 71

TYVENH

S2586

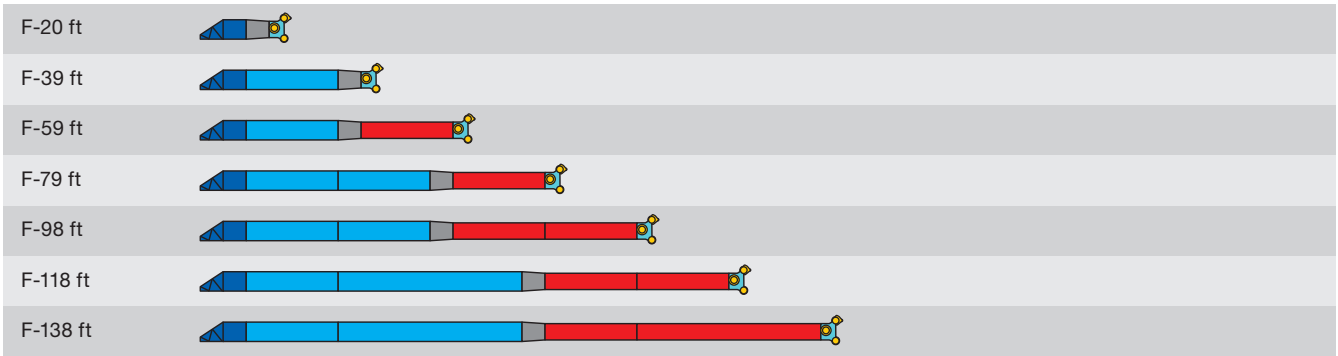


Boom/jib combinations - Luffing fly jib Configurations de flèche - Fléchette à volée variable

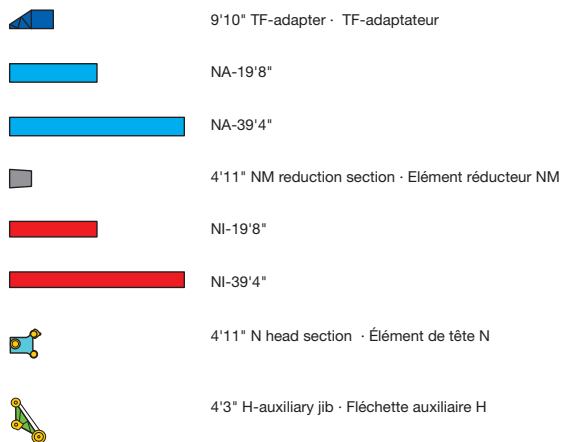
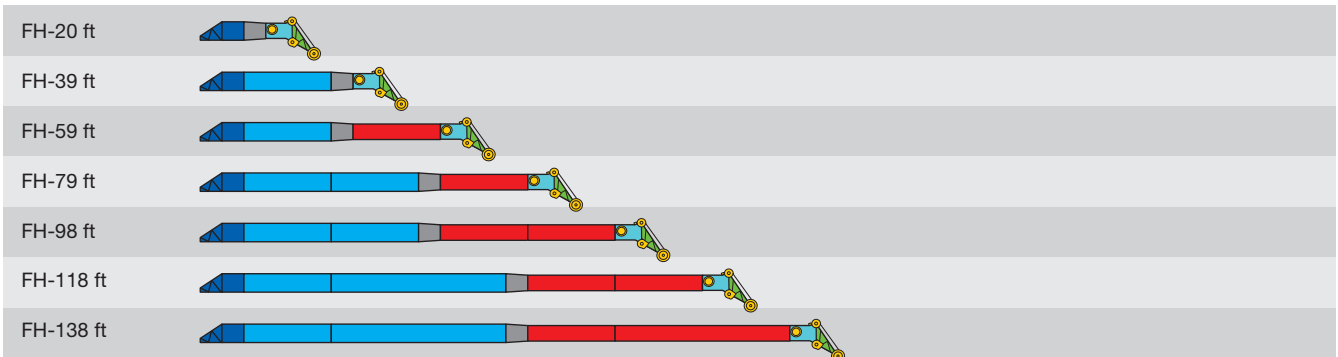


Boom/jib combinations - Fixed fly jib

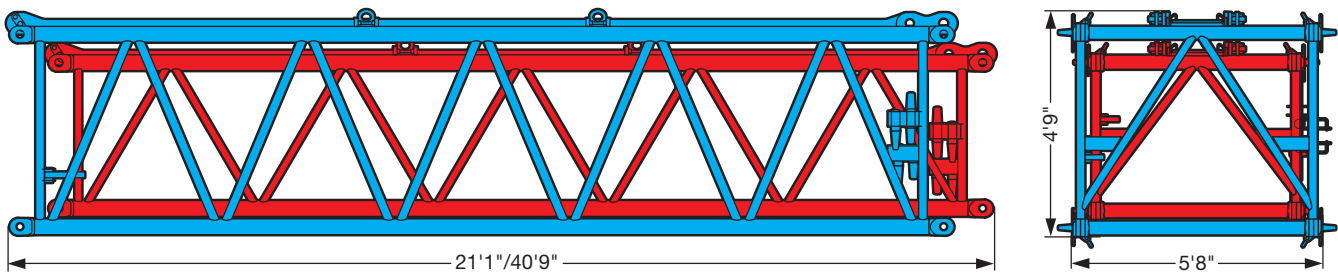
Configurations de flèche - Fléchette fixe



US2434



S2584



US2436



Weights Poids



Axle Essieu	1	2	3	4	5	6	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	26400	158400



Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
463	12	24 (20)	7500
343.3	7	14	4850
275.6	5	11	3630
176.4	3	7	3200 / 6615*
79.8	1	3	2200
27.1	—	1	1320

* only necessary for operation with 39 ft luffing fly jib · nécessaire uniquement en cas de fonctionnement avec la fléchette à volée variable de 39 ft

Working speeds Vitesses



	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
 445/95 R 25 (16.00 R 25)  525/80 R 25 (20.5 R 25)	1.52 – 3.9	4.9	6.4	8.1	10.4	13.3	17.5	22.5	29.1	37.3	47.3	50	1.64 – 4.2	5.3	50.9 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / length Diamètre / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 446 ft/min single line ft/min au brin simple	0.9" / 1148 ft	27420 lbs
	0 – 459 ft/min single line ft/min au brin simple	0.9" / 2067 ft	27420 lbs
	0 – 1.1 rpm		
	approx. 75 seconds to reach 84° boom angle env. 75 s jusqu'à 84°		
	approx. 533 seconds for boom extension from 49 ft – 230 ft env. 533 s pour passer de 49 ft – 230 ft		



Lifting capacities Forces de levage

T

49 – 230 ft T 360° 308600 lbs 85%														
ft	49 ft	66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
18	323.7	319												18
20	308.8	309												20
22	288.4	289.6	272.2	245.5	185.1									22
24	269.8	271.5	260.2	240.7	185									24
26	253	254.8	247	233.9	197.6									26
28	238.7	240.5	235.7	223.4	197.4	151.3	121.3	95.3						28
30	225.3	227.1	224.6	212.9	195.4	156.1	119.5	94.9						30
32	213.5	215.2	213.4	203.9	192.7	156.1	116.4	93.9	74.8					32
34	202.7	204.3	202.7	195.7	187.7	155.5	113.1	92.4	74.5					34
36	192.4	194.1	192.5	187.9	181.1	154.5	109.7	90.6	73.9					36
38	182.4	185.2	183.6	180.8	174.6	151.9	106.1	88.4	73.1	60.4				38
40	163.8	176.8	175.2	173.7	168.4	149	102.7	86.1	72.1	60				40
42		169.3	167.4	166.4	162.6	145.8	99.4	83.8	70.6	59.5	48.3			42
44		162.2	160.3	159.4	157.1	142	96.1	81.5	69.1	58.8	48.1	40.6	39	44
46		155.4	153.5	152.6	151.8	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9	46
48		149.4	147.7	146.8	146.8	133.9	90	77.2	66	56.8	47.5	39.9	38.6	48
50		143.4	142	141.1	141.8	129.8	87.2	75.1	64.4	55.7	47	39.5	38.4	50
55			128.7	127.9	129.4	120.6	80.4	70.2	60.6	53	45.7	38.2	37.4	55
60			116.6	116.7	117.2	112.4	74.2	65.5	57	50.2	44.1	36.7	36.2	60
65			106.2	107.8	106.7	105	69.9	60.9	53.7	47.5	42.3	35.2	34.7	65
70				99.2	97.9	98.5	66.1	56.9	50.6	45.1	40.4	33.6	33.2	70
75				91.4	90.1	91.8	62.8	53.1	47.6	42.8	38.6	32.2	31.8	75
80				83.7	83.1	85.1	59.9	49.7	44.7	40.5	36.7	30.8	30.5	80
85				74.4	76.9	79	57	46.6	42.2	38.3	35.1	29.4	29.1	85
90					71.7	73.6	54.6	43.9	39.7	36.3	33.4	28.2	27.9	90
95					67.1	68.8	52.3	41.2	37.5	34.4	31.8	26.9	26.7	95
100						64.5	50.2	39	35.4	32.5	30.3	25.7	25.5	100
105						60.5	48.3	37.4	33.3	30.8	28.8	24.5	24.3	105
110						56.5	46.6	36	31.4	29.2	27.4	23.4	23.2	110
115						50.2	45	34.6	29.8	27.7	26.1	22.3	22	115
120							43.5	33.3	28.4	26.2	24.9	21.2	20.9	120
125							42.2	32	27.1	24.9	23.8	20.3	19.9	125
130							41.1	30.8	26	23.9	22.6	19.4	19	130
135								29.8	25	22.8	21.5	18.6	18	135
140								28.8	24	21.8	20.5	17.7	17.1	140
145								27.8	23.1	20.9	19.5	16.9	16.2	145
150								27	22.3	20.1	18.6	16.2	15.4	150
155									21.6	19.2	17.7	15.5	14.6	155
160									20.9	18.4	16.9	14.8	13.9	160
165									20.3	17.7	16	14.2	13.1	165
170										17	15.2	13.6	12.5	170
175										16.4	14.5	13.1	11.8	175
180										15.8	13.8	12.5	11.2	180
185										14.7	13.2	12	10.6	185
190											12.5	11.5	10	190
195											11.9	11.1	9.5	195
200												10.6	9	200
205												10.1	8.5	205
210												9.7	8.1	210
215													7.7	215

t_180_50301_00_000



Lifting capacities Forces de levage

T

49 – 230 ft 85%															
ft		49 ft	66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
9	343.3														9
10	343.3														10
11	343.3	343.3													11
12	343.3	343.3													12
13	343.3	343.3	342												13
14	343.3	343.3	341.7	252.5											14
15	343.3	343.2	338.7	252.5											15
16	343.3	342.4	328	252.5											16
17	342.2	337	318.3	252.5											17
18	340.3	328.5	309.2	252.5	205										18
20	333.9	311.6	291.3	251.8	204.7										20
22	314.2	295.2	275	247.3	202.8	156.1									22
24	296.1	279.6	260.2	241.3	201	156.1									24
26	279.6	264.5	247	233.9	199.3	156.1	122.9								26
28	264	251.7	236	223.4	197.4	156.1	121.4	95.3							28
30	248.5	239.6	225.6	212.9	195.4	156.1	119.5	94.9							30
32	232.7	228.8	216	203.9	192.7	156.1	116.4	93.9	74.8						32
34	218.3	217.3	206.9	195.7	187.7	155.5	113.1	92.4	74.5						34
36	204.9	205.5	197.9	187.9	181.1	154.5	109.7	90.6	73.9						36
38	187.9	194.4	190.1	180.9	174.6	151.9	106.1	88.4	73.1	60.4					38
40	164.2	183.9	182.1	174.1	168.4	149	102.7	86.1	72.1	60					40
42		174.8	173.7	167.5	162.6	145.8	99.4	83.8	70.6	59.5	48.3				42
44		166.8	165.4	161.3	157.1	142	96.1	81.5	69.1	58.8	48.1	40.6	39		44
46		159.3	157.3	155.3	151.8	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9		46
48		152.3	150.6	148.9	146.9	133.9	90	77.2	66	56.8	47.5	39.9	38.6		48
50		145.3	144	142.5	142	129.8	87.2	75.1	64.4	55.7	47	39.5	38.4		50
55			129.2	128.3	129.5	120.6	80.4	70.2	60.6	53	45.7	38.2	37.4		55
60			116.6	116.7	117.2	112.4	74.2	65.5	57	50.2	44.1	36.7	36.2		60
65			106.2	107.8	106.7	105	69.9	60.9	53.7	47.5	42.3	35.2	34.7		65
70				99.2	97.9	98.5	66.1	56.9	50.6	45.1	40.4	33.6	33.2		70
75				91.4	90.1	91.8	62.8	53.1	47.6	42.8	38.6	32.2	31.8		75
80				83.7	83.1	85.1	59.9	49.7	44.7	40.5	36.7	30.8	30.5		80
85				74.4	76.9	79	57	46.6	42.2	38.3	35.1	29.4	29.1		85
90					71.7	73.6	54.6	43.9	39.7	36.3	33.4	28.2	27.9		90
95					67.1	68.8	52.3	41.2	37.5	34.4	31.8	26.9	26.7		95
100						64.5	50.2	39	35.4	32.5	30.3	25.7	25.5		100
105						60.5	48.3	37.4	33.3	30.8	28.8	24.5	24.3		105
110						56.5	46.6	36	31.4	29.2	27.4	23.4	23.2		110
115						50.2	45	34.6	29.8	27.7	26.1	22.3	22		115
120							43.5	33.3	28.4	26.2	24.9	21.2	20.9		120
125							42.2	32	27.1	24.9	23.8	20.3	19.9		125
130							41.1	30.8	26	23.9	22.6	19.4	19		130
135								29.8	25	22.8	21.5	18.6	18		135
140								28.8	24	21.8	20.5	17.7	17.1		140
145								27.8	23.1	20.9	19.5	16.9	16.2		145
150								27	22.3	20.1	18.6	16.2	15.4		150
155									21.6	19.2	17.7	15.5	14.6		155
160									20.9	18.4	16.9	14.8	13.9		160
165									20.3	17.7	16	14.2	13.1		165
170										17	15.2	13.6	12.5		170
175										16.4	14.5	13.1	11.8		175
180										15.8	13.8	12.5	11.2		180
185										14.7	13.2	12	10.6		185
190											12.5	11.5	10		190
195											11.9	11.1	9.5		195
200												10.6	9		200
205												10.1	8.5		205
210												9.7	8.1		210
215													7.7		215

t_180_50201_00_000



Lifting capacities Forces de levage

T

49 – 230 ft T 360° 220500 lbs 85%															
ft	49 ft		66 ft	82 ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	198 ft	215 ft	227 ft	230 ft	ft
	*														
9		343.3													9
10	742	343.3													10
11	554	343.3	343.3												11
12	454.8	343.3	343.3												12
13	438.6	343.3	343.3	342											13
14	417.7	343.3	343.3	341.7	252.5										14
15	397.4	343.1	343	338.7	252.5										15
16	381.3	342.2	341.6	328	252.5										16
17	367.8	334.7	334.3	318.3	252.5										17
18	356.1	322.7	323	309.2	252.5	205									18
20	332.1	299.3	300.8	291.3	251.8	204.7									20
22	304.4	279.5	281.1	275	247.3	202.8	156.1								22
24	279.3	261.4	263.2	259.5	241.3	201	156.1								24
26	256.7	245.1	246.9	244.9	233.9	199.3	156.1	122.9							26
28	238.3	231.2	233	231.3	223.4	197.4	156.1	121.4	95.3						28
30	221.4	218	219.8	218.2	212.7	195.4	156.1	119.5	94.9						30
32	207.1	206.1	208	206	202.8	192.7	156.1	116.4	93.9	74.8					32
34	194.2	194.2	196.1	194.2	192.4	187.7	155.5	113.1	92.4	74.5					34
36	182.2	182.2	184.2	182.4	181.6	181	154.5	109.7	90.6	73.9					36
38	172.2	172.2	174.1	172.4	173	172.6	151.9	106.1	88.4	73.1	60.4				38
40	155.6	155.6	164.6	162.9	164.5	164	149	102.7	86.1	72.1	60				40
42			156.3	154.5	156.4	155.4	145.8	99.4	83.8	70.6	59.5	48.3			42
44			148.7	147.6	148.8	147.6	142	96.1	81.5	69.1	58.8	48.1	40.6	39	44
46			141.3	141.5	141.5	140.3	137.9	92.9	79.3	67.5	57.9	47.9	40.3	38.9	46
48			135.3	135.6	135.4	134.2	133.3	90	77.2	66	56.8	47.5	39.9	38.6	48
50			129.3	129.7	129.4	128.2	128.6	87.2	75.1	64.4	55.7	47	39.5	38.4	50
55				116.5	116	114.7	116.9	80.4	70.2	60.6	53	45.7	38.2	37.4	55
60				105.2	104.7	103.6	105.5	74.2	65.5	57	50.2	44.1	36.7	36.2	60
65				95.7	95.3	95.6	96	69.9	60.9	53.7	47.5	42.3	35.2	34.7	65
70					87.3	88.8	87.9	66.1	56.9	50.6	45.1	40.4	33.6	33.2	70
75					79.8	82	80.5	62.8	53.1	47.6	42.8	38.6	32.2	31.8	75
80					73.4	75.3	73.6	59.9	49.7	44.7	40.5	36.7	30.8	30.5	80
85					69.2	69.1	67.4	57	46.6	42.2	38.3	35.1	29.4	29.1	85
90						63.9	62.2	54.6	43.9	39.7	36.3	33.4	28.2	27.9	90
95						59.2	57.5	52.3	41.2	37.5	34.4	31.8	26.9	26.7	95
100							53.2	50.2	39	35.4	32.5	30.3	25.7	25.5	100
105							49.4	48.3	37.4	33.3	30.8	28.8	24.5	24.3	105
110							46	46.5	36	31.4	29.2	27.4	23.4	23.2	110
115							43	44.2	34.6	29.8	27.7	26.1	22.3	22	115
120								41.8	33.3	28.4	26.2	24.9	21.2	20.9	120
125								39.1	32	27.1	24.9	23.8	20.3	19.9	125
130								36.8	30.8	26	23.9	22.6	19.4	19	130
135									29.8	25	22.8	21.5	18.6	18	135
140									28.8	24	21.8	20.5	17.7	17.1	140
145									27.8	23.1	20.9	19.5	16.9	16.2	145
150									27	22.3	20.1	18.6	16.2	15.4	150
155										21.6	19.2	17.7	15.5	14.6	155
160										20.9	18.4	16.9	14.8	13.9	160
165										20.3	17.7	16	14.2	13.1	165
170											17	15.2	13.6	12.5	170
175											16.4	14.5	13.1	11.8	175
180											15.8	13.8	12.5	11.2	180
185											14.7	13.2	12	10.6	185
190												12.5	11.5	10	190
195												11.9	11.1	9.5	195
200													10.6	9	200
205													10.1	8.5	205
210													9.7	8.1	210
215														7.7	215

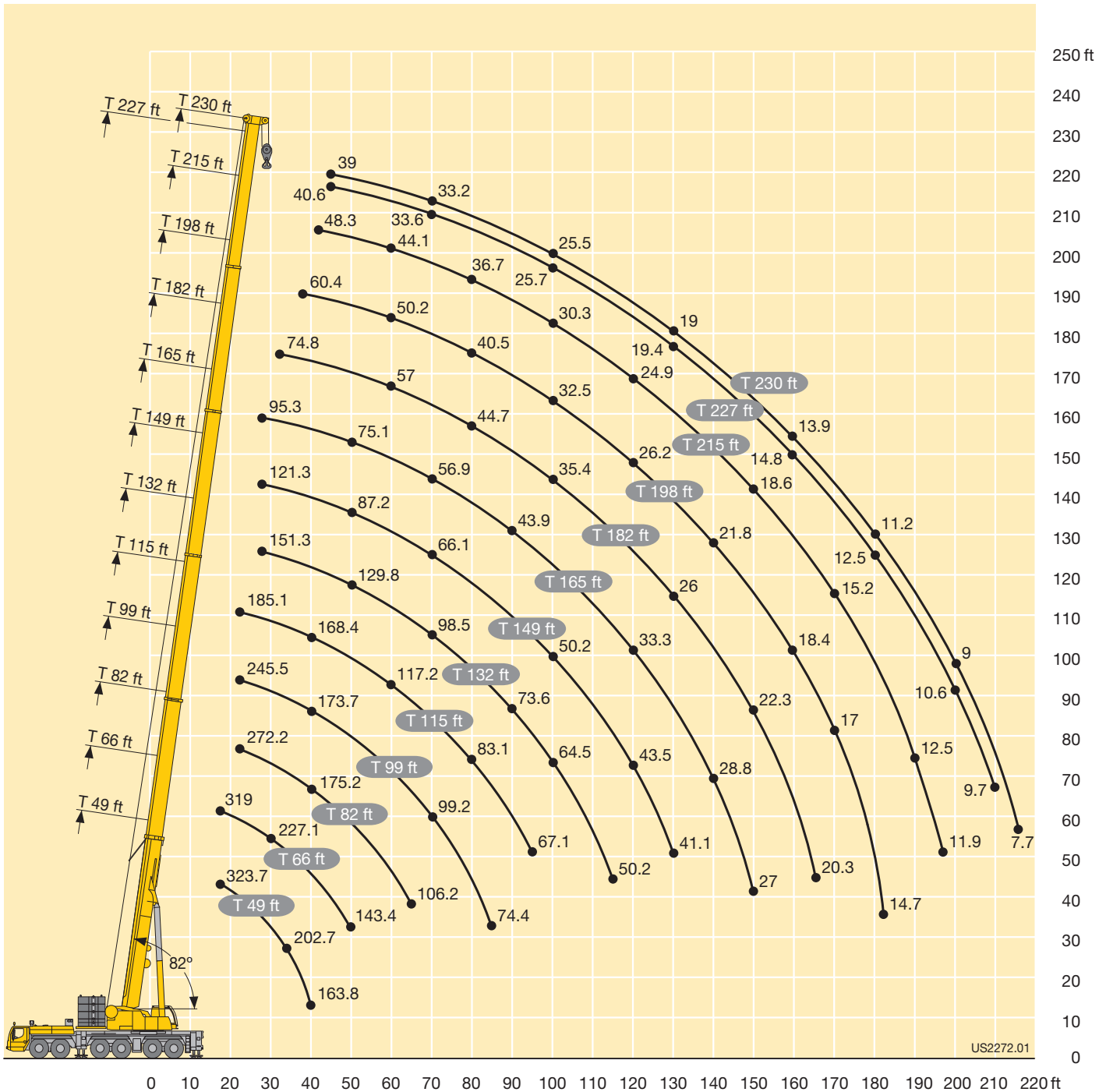
* over rear · en arrière

t_180_50005_00_000 / 50305_00_000



Lifting heights Hauteurs de levage

T





Lifting capacities Forces de levage

TY

99 – 230 ft 85%													
ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft
26	236.9	217.6											26
28	227	212.9	189.3										28
30	217.3	207.4	186.1										30
32	207.7	199.7	184.2	166.8									32
34	199.5	192.1	179.7	165.3									34
36	192.4	184.4	173.7	163.1									36
38	183.8	177.9	168.6	159.2	144.7								38
40	175.4	171.4	163.4	155	143.2								40
42	167.3	165.2	157.7	150.5	140	124.5	113	106.1		93.9		80.2	42
44	159.9	159.3	152.9	146	136.4	123.8	112.6	105.8	96.6	93.6	82.7	80	44
46	152.9	153.5	148.5	141.5	132.8	122.9	111.9	105.4	96.2	93.1	81.8	79.6	46
48	146.8	147.7	144.2	137.8	129.6	120.5	110.2	104.7	95.4	92.3	80.8	79.2	48
50	140.8	141.9	139.9	134.1	126.3	118.2	108.5	104	94.6	91.5	79.7	78.7	50
55	127.2	128.7	129.1	125	118.4	111.6	104.1	101.5	92.1	88.6	76.9	77.2	55
60	115.5	117.1	118.5	116.2	111	104.5	99.6	98	89	84.9	73.9	75.2	60
65	105.6	107.1	108.7	107.8	104.4	98.3	94.8	92.9	85.5	81.6	70.9	72.7	65
70	96.5	98.3	100	99.9	97.8	92.9	89.7	87.8	82.3	78.4	68.3	70.1	70
75	88.3	90.3	91.9	92.2	91.4	87.6	84.8	83.1	79.1	75.4	65.9	67.6	75
80	79.6	82.9	84.4	84.8	85	82.5	80.3	78.7	75.9	72.6	63.7	65.3	80
85	68.2	76.2	77.9	78.2	78.5	77.6	75.8	74.3	72.4	69.4	61.6	63.1	85
90		70.5	72.2	72.6	72.9	72.5	71.7	70.4	68.6	65.7	59.7	60.9	90
95		63.8	67.1	67.5	67.8	67.4	67.4	66.6	65.1	62.2	57.7	58.9	95
100			62.4	62.8	63.1	62.7	63.1	62.6	61.7	59	55.8	56.8	100
105			58.1	58.5	58.8	58.4	58.8	58.3	58.4	56	53.9	54.5	105
110			53	54.7	55.1	54.7	55	54.6	54.9	53	51.9	52	110
115			45.8	51.2	51.7	51.2	51.5	51.1	51.5	49.8	49.5	49.4	115
120				47.6	48.4	48	48.3	47.8	48.2	46.7	46.8	46.7	120
125				43.6	45.4	45.1	45.3	44.8	45.2	43.7	44	44	125
130				37.8	42.6	42.3	42.7	42.1	42.5	40.9	41.4	41.4	130
135					39.7	39.7	40.1	39.6	40	38.3	38.9	38.9	135
140					36.1	37.3	37.6	37.1	37.5	35.8	36.4	36.5	140
145					31.4	34.8	35.3	34.9	35.3	33.5	34.1	34.3	145
150					25.7	32.5	33.2	32.7	33.1	31.3	32	32	150
155						29.2	31.2	30.5	31	29.3	29.9	30	155
160						25.2	28.8	28.5	29.1	27.4	28	28	160
165						20.5	26	26.5	27.3	25.5	26.1	26.2	165
170							22.6	23.6	25.5	23.8	24.3	24.4	170
175							18.6	20.3	23.5	22.2	22.8	22.8	175
180								16.4	21.1	20.3	21.3	21.3	180
185									18.2	17.9	19.8	19.8	185
190									14.9	15.2	18.2	18.4	190
195										11.9	15.9	16.4	195
200											13.4	14.1	200
205												11.5	205
210												8.6	210

TAB 180_60101_00_000



Lifting capacities Forces de levage

TY

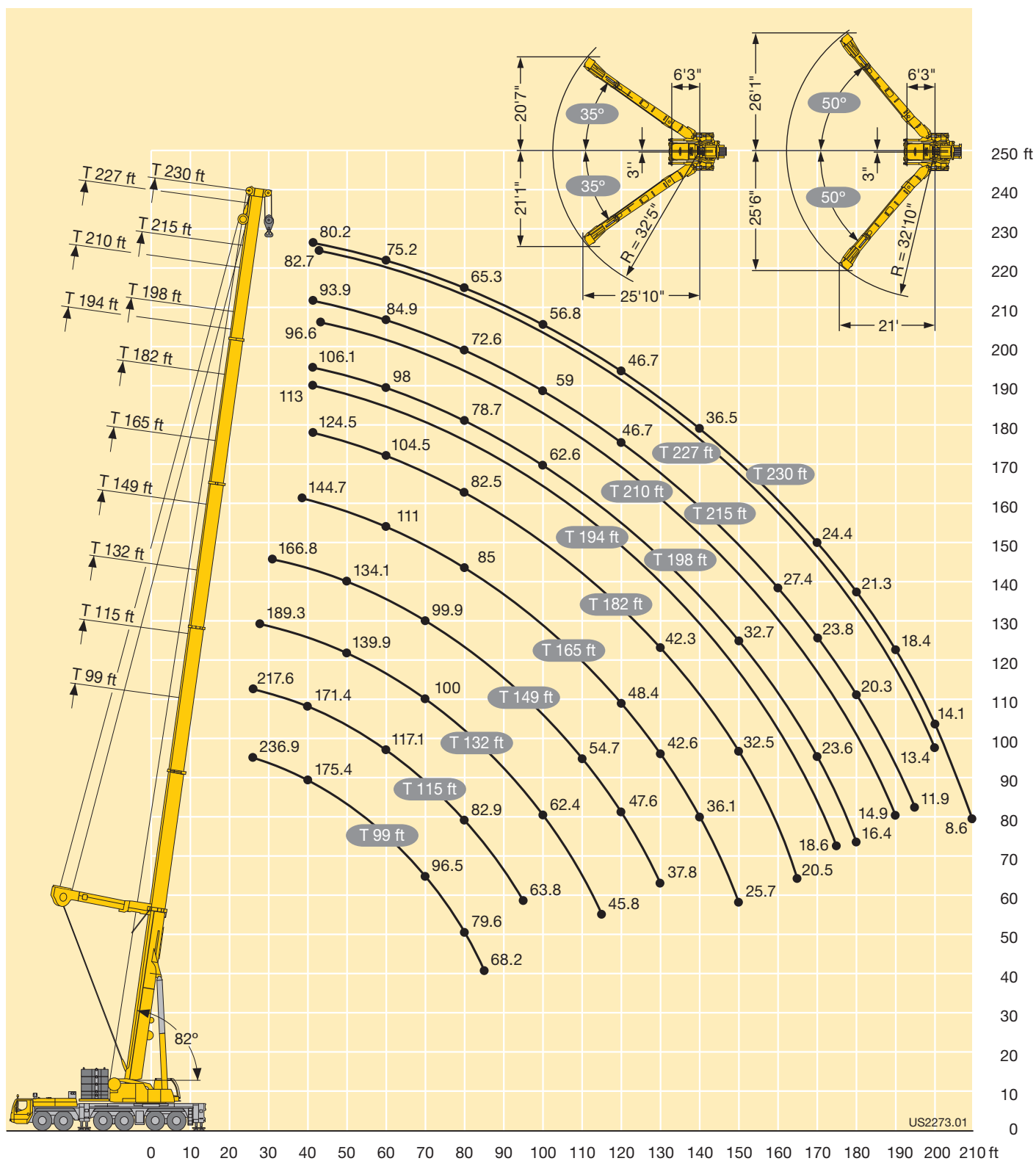
99 - 230 ft T Y 360° 220500 lbs 85%													
ft	99 ft	115 ft	132 ft	149 ft	165 ft	182 ft	194 ft	198 ft	210 ft	215 ft	227 ft	230 ft	ft
15	256.7												15
16	259.8												16
17	261.2												17
18	261.7												18
20	262	231.6											20
22	259.1	234.4											22
24	251.8	232	198.9										24
26	240.4	224.8	198.8										26
28	228.6	216.1	196.8	167.4									28
30	217.1	207.4	193.9	167.8	145.1								30
32	206.4	199.7	189	167.8	145.3								32
34	196.5	192.1	182.8	166.7	145.4								34
36	187.1	184.4	175.8	164.7	145.4								36
38	177.6	176.7	169.5	159.9	144.7	124.6	113.3	106.3					38
40	168.2	168.8	163.4	155	143.2	124.6	113.3	106.3	97	94.2		79.8	40
42	159.1	160.3	157.7	150.5	140	124.5	113.1	106.1	96.9	93.9	82.8	80.2	42
44	150.8	152.2	151.6	146	136.4	123.8	112.6	105.8	96.6	93.6	82.7	80	44
46	143	144.4	145.4	141.5	132.8	122.9	111.9	105.4	96.2	93.1	81.8	79.6	46
48	136.5	138.1	139.2	136.6	129.6	120.5	110.2	104.7	95.4	92.3	80.8	79.2	48
50	130.1	131.7	133	131.7	126.3	118.2	108.5	104	94.6	91.5	79.7	78.7	50
55	115.7	117.5	119	119.3	117.3	111.4	104.1	101.5	92.1	88.6	76.9	77.2	55
60	103.6	105.3	106.9	107.2	107.3	103.6	99.3	97.8	89	84.9	73.9	75.2	60
65	93.5	95.2	96.8	97.1	97.3	94.7	93	91.4	85.5	81.6	70.9	72.7	65
70	84.7	86.6	88.2	88.5	88.8	86.7	85.5	84.1	81.3	78.1	68.3	70.1	70
75	77	79.1	80.6	81	81.3	79.6	78.6	77.2	76.1	73.4	65.9	67.5	75
80	70.1	72.3	73.9	74.3	74.6	73.2	72.3	71.1	70.3	67.7	63.5	64.8	80
85	63.6	66.1	68	68.3	68.7	67.5	66.8	65.6	64.9	62.4	60.8	61.6	85
90		60.6	62.5	62.9	63.3	62.4	61.8	60.7	60.2	57.7	57	57.1	90
95		55.4	57.4	57.9	58.3	57.7	57.3	56.2	55.7	53.3	53	52.9	95
100			52.8	53.3	53.6	53.2	53.1	52.1	51.7	49.3	49.1	49	100
105			48.5	49	49.4	49	49.2	48.3	47.9	45.7	45.5	45.4	105
110			44.7	45.2	45.7	45.2	45.6	44.8	44.6	42.4	42.3	42.2	110
115			41.1	41.7	42.3	41.8	42.2	41.6	41.5	39.3	39.3	39.3	115
120				38.5	39.1	38.6	39	38.4	38.6	36.5	36.5	36.5	120
125				35.6	36.1	35.8	36.1	35.5	35.9	33.9	33.9	33.9	125
130				32.8	33.5	33.1	33.6	32.9	33.3	31.5	31.6	31.6	130
135					31	30.7	31.1	30.5	30.9	29.2	29.4	29.4	135
140					28.7	28.3	28.8	28.2	28.6	27	27.3	27.3	140
145					26.5	26.2	26.6	26.1	26.6	24.9	25.3	25.4	145
150					24.3	24.2	24.7	24.1	24.6	22.9	23.4	23.5	150
155						22.4	22.9	22.2	22.7	21.1	21.6	21.7	155
160						20.7	21.2	20.5	21	19.4	20	20	160
165						18.5	19.5	18.9	19.4	17.8	18.3	18.4	165
170							18	17.4	17.9	16.2	16.8	16.9	170
175							16.6	15.9	16.5	14.9	15.4	15.5	175
180								14.2	15.1	13.5	14.1	14.1	180
185									13.9	12.3	12.8	12.8	185
190									12.7	11.1	11.6	11.6	190
195										9.9	10.5	10.5	195
200											9.4	9.4	200
205												8.4	205
210												7.3	210

TAB 180_60105_00_000



Lifting heights Hauteurs de levage

TY





Lifting capacities Forces de levage

TF

		49 – 215 ft T				20 ft F				360°				220500 lbs				85%													
ft	ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*				ft	
		20 ft				20 ft				20 ft				20 ft				20 ft				20 ft				20 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
11	99.3																												11		
12	98.9																												12		
13	98.1																												13		
14	96.3																												14		
15	94.3																												15		
16	91.6																												16		
17	89.1																												17		
18	86.7 74.6																												18		
20	81.9 72.4																												20		
22	77.5 69 61																												22		
24	73.4 65.9 59.9																												24		
26	69.5 63 57.7 53.6					99.2																							26		
28	66.3 60.4 55.6 53.2					98.5																							28		
30	63.2 57.9 53.7 52.4					97.4																							30		
32	60.3 55.7 51.9 50.9					95.5 75.9				79.8																			32		
34	57.8 53.7 50.3 49.6					93.3 74.8				79.8																			34		
36	55.3 51.8 48.7 48.3					90.7 73				79.8				65.5															36		
38	53.1 50.1 47.3 47.3					88.4 71.4 60.5				79.5 69.9				65.2				52.1											38		
40	51 48.4 46 46.4					86 69.8 59.7				78.8 68.9				64.6				52											40		
42	49.1 46.9 44.8 45.8					83.8 68.2 58.6 53.6				77.3 67.5 57.9				63.7				51.7											42		
44	47.3 45.5 43.7 45.2					81.5 66.7 57.6 53.6				75.4 66.2 57.3 53.4				62.4 61.7				51.4				41.2							44		
46	45.6 44.1 42.6 44.5					79.3 65.3 56.7 53.5				73.4 64.9 56.5 53.2				61 60.7				50.9				41.1							46		
48	44.2 42.9 41.7 40.7					77.3 64 55.8 52.8				71.5 63.7 55.7 52.6				59.5 59.2				49.9				40.8							48		
50	42.8 41.6 40.8 36.9					75.4 62.8 54.9 52.2				69.6 62.6 54.9 52				58.1 57.8 53.4 50.6				48.9 48.3				40.5 39.5			33				50		
55	39.6 38.8 38.8					70.8 59.8 52.8 50.6				65.1 59.8 53 50.6				54.6 54.3 52.4 49.8				46.3 46.2 46.5 46.1				39.2 38.8 37.9				32.5 31.5			55		
60	37 36.5 34.8					66.6 57 50.9				61 57.3 51.3 49.3				51.3 51.1 50.7 48.6				43.7 43.8 44.4 45				37.5 37.4 37.4				31.7 31.2			60		
65						63 54.6 49.2				57.1 54.9 49.7 48.1				48.4 48.2 48.4 47.5				41.3 41.4 42 42.8				35.6 35.7 35.9 36.4				30.6 30.3 30.4			65		
70						59.7 52.3 47.6				53.4 52.4 48.1				45.5 45.5 45.7 45.8				39 39.2 39.7 40.5				33.8 34.1 34.3 34.9				29.3 29.2 29.4 29.7			70		
75						56.7 50.3 46.1				50 49.6 46.6				42.9 42.9 43.1				36.9 37.1 37.6 38.3				32 32.4 32.8 33.3				28 28 28.3 28.7			75		
80						54 48.4 44.8				46.7 46.7 45.1				40.4 40.4 40.6				34.8 35.1 35.5				30.4 30.8 31.2 31.8				26.7 26.8 27.1 27.6			80		
85						51.5 46.7 43.6				43.8 43.7 43.4				38 38.1 38.1				32.9 33.2 33.6				28.8 29.2 29.7 30.3				25.5 25.7 26 26.5			85		
90						49.2 45.2 42.5				41 41.1 41.1				35.8 35.8 36				31.1 31.5 31.8				27.3 27.7 28.2				24.3 24.6 24.9 25.4			90		
95						47.2 43.6 41.5				38.5 38.6 38.8				33.7 33.7 33.9				29.4 29.8 30.1				25.8 26.3 26.7				23.1 23.5 23.8			95		
100						45.2 42.2				36.2 36.3 36.5				31.6 31.7 32				27.8 28.1 28.4				24.4 24.9 25.3				21.9 22.4 22.7			100		
105						43.5 40.8				34 34.1 34.3				29.6 29.8 30.2				26.2 26.5 26.7				23.1 23.6 24				20.7 21.3 21.7			105		
110						41.9 39.6				31.9 32.2 32.4				27.9 28.1 28.5				24.7 25.1 25.3				21.9 22.4 22.8				19.7 20.2 20.6			110		
115						40.2 38.5				30 30.3				26.2 26.4 26.8				23.3 23.6 23.8				20.7 21.2 21.6				18.7 19.2 19.6			115		
120						38.2 37.3				28.3 28.5				24.6 24.8 25.3				21.9 22.3 22.5				19.6 20.1 20.4				17.7 18.2 18.6			120		
125						35.7 36				26.7 26.8				23.1 23.3				20.6 21 21.2				18.5 19 19.2				16.8 17.3 17.7			125		
130						33.3 33.9				25.4 25.4				21.8 21.9				19.3 19.7 20				17.5 17.9 18.1				15.9 16.4 16.7			130		
135						31.1				24.2 24.2				20.5 20.6				18.1 18.6				16.4 16.9 17.1				15 15.5 15.8			135		
140						29.1				23 23				19.3 19.5				17 17.5				15.4 15.9 16.1				14.2 14.7 15			140		
145						26.6				22 22				18.2 18.5				16 16.4				14.5 15				13.4 13.9 14.1			145		
150										20.9				17.3 17.5				15 15.4				13.6 14.1				12.6 13.1 13.3			150		
155										20				16.4 16.6				14.1 14.5				12.8 13.2				11.9 12.3 12.5			155		
160														15.6				13.3 13.6				12 12.4				11.1 11.6			160		
165														14.8				12.6 12.9				11.4 11.6				10.4 10.9			165		
170														14				12 12.2				10.7 11				9.7 10.2			170		
175														13.4				11.3				10.1 10.4				9.1 9.5			175		
180																		10.7				9.5 9.8				8.4 8.8			180		
185																		10.1				9 9.2				7.8 8.2			185		
190																		9.6				8.5 8.7				7.3 7.6			190		
195																						8				6.8 7.1			195		
200																						7.6				6.3 6.6			200		
205																						7.2				5.8			205		
210																						6.8				5.3			210		
215																										4.9			215		
220																										4.4			220		

* adapter · pièce d'adaptateur

t_180_51105_00_000 / 51125_00_000 / 51145_00_000 / 51165_00_000



Lifting capacities Forces de levage

TF

		49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*					
		39 ft				39 ft				39 ft				39 ft				39 ft				39 ft				39 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
14	71.5																													14	
15	71.2																													15	
16	69.9																													16	
17	68.4																													17	
18	66.7																													18	
20	63.5																													20	
22	60.7																													22	
24	58																													24	
26	55.5																													26	
28	53.1 45.4																													28	
30	50.8 44.4																													30	
32	48.6 42.7					69.4																								32	
34	46.6 41.1					67.6																								34	
36	44.6 39.6					65.9				62.8																				36	
38	42.8 38.2 34					64.2				61.5				52.5																38	
40	41.1 36.9 33.5					62.6				60.1				52.5																40	
42	39.6 35.7 32.5					61				58.9				52.3																42	
44	38.2 34.5 31.6					59.6 45.4				57.6				52.1				41.5												44	
46	36.9 33.4 30.8 27					58.2 44.6				56.4				51.8				41.4												46	
48	35.7 32.5 30 27					56.8 43.7				55.3				51				41.2												48	
50	34.5 31.6 29.3 27					55.5 42.8				54.2 42.3				50.1				41				32.8								50	
55	31.8 29.4 27.6 26.9					52.4 40.8 33.8				51.6 40.7 33				47.8 39.4				39.9				32.4				26.1				55	
60	29.4 27.5 26.1 26.6					49.4 38.9 32.6 27				49.2 38.9 32.6				45.2 38.1				38.3				31.8				25.8				60	
65	27.4 25.9 24.8 26					46.5 37.2 31.5 27				46.8 37.3 31.6 27				42.9 36.7 31.1				36.4 35.1				30.7				25.3				65	
70	25.7 24.5 23.8 25.2					44 35.6 30.5 27				44.6 35.9 30.6 27				40.6 35.4 30.3 27				34.7 34 29.4				29.5 29.3				24.6 23				70	
75	24.3 23.4 23					41.8 34.2 29.6				42.4 34.5 29.7 27				38.5 34.1 29.5 27				32.9 32.8 28.8 27				28.2 28.2 26.6				23.8 22.5				75	
80	23 22.4 21.4					39.6 32.8 28.7				40.4 33.2 28.9 27				36.5 33 28.7 27				31.3 31.6 28.1 26.9				27 27.1 26				23 21.8				80	
85						37.8 31.6 27.9				38.7 32.1 28.1 27				34.5 31.9 28 27				29.7 30.2 27.5 26.6				25.7 25.9 25 25.1				22.1 21.1 20.3				85	
90						36 30.5 27.2				36.9 31 27.4				32.8 30.9 27.4 26.7				28.2 28.7 26.9 26.2				24.5 24.9 24.1 24.3				21.2 20.4 19.7 19.7				90	
95						34.4 29.4 26.5				35.2 30 26.8				31.1 29.9 26.8				26.7 27.3 26.3 25.8				23.3 23.8 23.3 23.4				20.4 19.7 19.1 19.1				95	
100						33 28.5 25.8				33.4 29.1 26.2				29.4 28.8 26.2				25.4 26 25.7				22.1 22.7 22.4 22.6				19.5 19.1 18.5 18.6				100	
105						31.6 27.6 25.3				31.7 28.2 25.6				27.9 27.7 25.7				24.1 24.7 25				21 21.7 21.6				18.6 18.4 17.9 18				105	
110						30.4 26.7 24.7				30 27.4 25.1				26.3 26.4 25.2				22.8 23.4 23.9				20 20.6 20.7				17.7 17.7 17.4 17.5				110	
115						29.2 26 24.2				28.4 26.7 24.6				24.8 25.1 24.6				21.7 22.2 22.7				19 19.6 19.8				16.9 17.1 16.9				115	
120						28.2 25.2				26.8 25.9 24.2				23.4 23.8 23.8				20.6 21 21.5				18 18.6 18.9				16.1 16.4 16.4				120	
125						27.1 24.6				25.3 25.1 23.8				22.1 22.5 22.8				19.4 19.9 20.3				17.1 17.7 18.1				15.3 15.7 15.8				125	
130						26.3 24				24 24.2 23.5				20.8 21.3 21.6				18.4 18.8 19.2				16.2 16.8 17.2				14.5 15 15.2				130	
135						25.4 23.5				22.7 23.1				19.6 20.1 20.5				17.3 17.8 18.1				15.4 15.9 16.3				13.7 14.3 14.6				135	
140						24.6 23				21.4 22				18.5 19 19.4				16.3 16.8 17.1				14.5 15 15.4				13 13.7 14				140	
145						23.9 22.5				20.2 20.9				17.5 17.9				15.3 15.8 16.2				13.7 14.2 14.6				12.3 13 13.3				145	
150						23.3 22.2				19.1 19.7				16.4 16.9				14.4 14.9 15.2				12.9 13.4 13.8				11.7 12.3 12.7				150	
155						22.7				18.1 18.6				15.5 15.9				13.5 14				12.2 12.6 13				11 11.7 12				155	
160						22.1				17.3 17.6				14.6 15				12.7 13.2				11.4 11.8 12.2				10.4 11 11.3				160	
165						20.8				16.5				13.7 14.1				11.9 12.3				10.7 11.1				9.8 10.4 10.7				165	
170										15.7				12.9 13.2				11.1 11.5				10 10.4				9.2 9.7 10				170	
175										15.1				12.3 12.5				10.4 10.8				9.3 9.7				8.6 9.1 9.4				175	
180														11.6				9.8 10.1				8.7 9.1				8 8.6				180	
185														11				9.3 9.5				8.2 8.5				7.5 8				185	
190														10.5				8.7 8.9				7.8 8				6.9 7.5				190	
195														10				8.2				7.3 7.6				6.4 7				195	
200																		7.8				6.9 7.2				5.9 6.5				200	
205																		7.4				6.5 6.8				5.4 6				205	
210																		7				6.2				5 5.6				210	
215																						5.8				4.5 5.1				215	
220																						5.5				4.1 4.6				220	
225																						5.2				3.7				225	
230																						4.9				3.3				230	
235																										2.9				235	

* adapter · pièce d'adaptateur

t_180_51205_00_000 / 51225_00_000 / 51245_00_000 / 51265_00_000



Lifting capacities Forces de levage

TF

		49 – 215 ft T				59 ft F				360°				220500 lbs				85%													
ft	ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*				ft	
		59 ft				59 ft				59 ft				59 ft				59 ft				59 ft				59 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
18	52.4																													18	
20	51.5																													20	
22	49.4																													22	
24	47.5																													24	
26	45.5																													26	
28	43.8																													28	
30	42.2																													30	
32	40.6																													32	
34	39.1																													34	
36	37.7					51.3																							36		
38	36.3	30.8				50.1				47.2																			38		
40	35	30.3				48.9				46.7																			40		
42	33.8	29.4				47.7				45.7																			42		
44	32.6	28.5				46.6				44.8				41.4															44		
46	31.4	27.5				45.5				43.9				40.9															46		
48	30.4	26.7				44.5				43				40.2															48		
50	29.3	25.9				43.5				42.2				39.6				34				25.6							50		
55	27	24.1	22.4			41.2	30.4			40.2	29.5			38				33.7				25.6				20.3			55		
60	24.9	22.4	21.3			39	29.4			38.3	29.2			36.5				33.1				25.4				20.3			60		
65	23.1	21	20.1	15.8		37	28			36.6	28			35	27			31.9				25.1				20.1			65		
70	21.6	19.7	19	15.5		35	26.8	22.6		35	26.9			33.7	26.7			30.6	25.5			24.5				19.8			70		
75	20.2	18.6	18.1	15.3		33.2	25.7	22.1	16	33.4	25.8	21.9		32.4	26.1	21.2		29.3	25			23.8	22.8			19.3			75		
80	18.9	17.6	17.3	15.2		31.5	24.7	21.4	15.9	31.9	24.8	21.4		31.2	25.2	21		27.9	24.2			23.1	22.5			18.9			80		
85	17.8	16.7	16.5	15		29.9	23.7	20.7	15.7	30.5	23.9	20.7	15.7	30	24.3	20.5		26.6	23.4	20		22.3	21.9			18.4	17.4		85		
90	16.8	15.9	15.9			28.5	22.8	20.1	15.6	29.2	23.1	20.2	15.6	28.8	23.5	20	15.5	25.4	22.7	19.5	15.4	21.5	21.2			17.8	16.9		90		
95	16	15.3				27.2	22	19.5		27.9	22.3	19.7	15.4	27.6	22.8	19.5	15.4	24.2	22.1	19.1	15.4	20.6	20.4	18.4	15.2	17.3	16.3	15		95	
100						26	21.2	19		26.6	21.5	19.2	15.4	26.5	22.1	19.1	15.4	23	21.5	18.7	15.3	19.8	19.7	18	15.2	16.7	15.8	14.9		100	
105						24.8	20.5	18.5		25.6	20.8	18.7		25.4	21.4	18.6	15.3	21.9	20.9	18.3	15.2	18.9	19	17.7	15.2	16.1	15.3	14.6		105	
110						23.8	19.8	18.1		24.6	20.2	18.3		24.3	20.8	18.2	15.2	20.9	20.3	17.9	15.2	18.1	18.3	17.4	15.2	15.5	14.8	14.2	13.9		110
115						22.8	19.2	17.6		23.6	19.6	17.9		23.1	20.2	17.9		19.8	19.8	17.6	15.2	17.2	17.6	17	15.2	14.9	14.3	13.8	13.7		115
120						21.9	18.6	17.2		22.7	19	17.5		22	19.6	17.5		18.8	19.2	17.3		16.4	16.9	16.6	15.2	14.3	13.9	13.4	13.4		120
125						21	18	16.9		21.9	18.5	17.1		20.8	19.1	17.2		17.9	18.5	17		15.6	16.3	16.1		13.7	13.4	13	13.1		125
130						20.3	17.5	16.5		21.1	18	16.8		19.7	18.6	16.9		17	17.7	16.7		14.9	15.6	15.6		13.1	13	12.6	12.7		130
135						19.6	17	16.2		20.4	17.5	16.5		18.7	18.1	16.6		16.2	16.9	16.4		14.1	14.9	15		12.5	12.6	12.2		135	
140						18.9	16.6			19.6	17.1	16.2		17.6	17.6	16.3		15.3	16	16		13.5	14.2	14.5		11.9	12.2	11.9		140	
145						18.2	16.2			18.9	16.7	16		16.7	17	16		14.4	15.2	15.6		12.8	13.5	13.9		11.3	11.7	11.6		145	
150						17.6	15.8			18.2	16.3	15.7		15.7	16.3	15.8		13.7	14.4	14.9		12.1	12.8	13.3		10.8	11.3	11.2		150	
155						17	15.5			17.4	15.9			14.8	15.6	15.5		12.9	13.6	14.1		11.4	12.1	12.6		10.2	10.8	10.9		155	
160						16.5	15.2			16.6	15.6			14	14.8	15		12.1	12.9	13.3		10.8	11.5	12		9.6	10.3	10.5		160	
165						16	14.9			15.8	15.3			13.2	14			11.3	12.1	12.6		10.2	10.8	11.3		9.1	9.8	10.1		165	
170						15.6	14.6			14.9	14.9			12.4	13.2			10.7	11.5	11.8		9.6	10.2	10.6		8.6	9.3	9.7		170	
175						15.2				14.1	14.4			11.7	12.4			10	10.8			9	9.6	10		8.1	8.7	9.2		175	
180						14.8				13.3	13.7			11	11.7			9.3	10.1			8.5	9	9.4		7.6	8.2	8.6		180	
185						14				12.7				10.3	11			8.7	9.5			7.9	8.4			7.1	7.8	8.1		185	
190										12.1				9.6	10.3			8.2	8.8			7.4	7.9			6.6	7.3	7.6		190	
195										11.6				9.1	9.7			7.7	8.2			6.9	7.4			6.2	6.8	7.2		195	
200														8.6				7.3	7.7			6.5	6.9			5.7	6.3			200	
205														8.2				6.9	7.2			6.1	6.4			5.3	5.9			205	
210														7.7				6.5	6.7			5.8	6			4.8	5.4			210	
215														7.4				6.2				5.4	5.7			4.4	5			215	
220																		5.8				5.1	5.4			4	4.5			220	
225																		5.5				4.8	5			3.6	4.1			225	
230																		5.2				4.5				3.2	3.6			230	
235																						4.2				2.8	3.2			235	
240																						3.8				2.8				240	

* adapter · pièce d'adaptateur

t_180_51305_00_000 / 51325_00_000 / 51345_00_000 / 51365_00_000



Lifting capacities Forces de levage

TF

		49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*					
		79 ft				79 ft				79 ft				79 ft				79 ft				79 ft				79 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
22	39.6																													22	
24	38.8																													24	
26	37.6																													26	
28	36.2																													28	
30	34.9																													30	
32	33.7																													32	
34	32.6																													34	
36	31.5																													36	
38	30.5					39.5																							38		
40	29.5					38.9																							40		
42	28.6					38				35.9																			42		
44	27.7					37.2				35.5																			44		
46	26.8					36.3				34.8																			46		
48	26					35.5				34.2																			48		
50	25.2	22.4				34.8				33.5				31.1															50		
55	23.2	21.2				32.9				31.9				30				26.5				21.2							55		
60	21.4	19.6				31.2				30.4				28.8				26.1				21.1							60		
65	19.8	18.3				29.7	22.9			29.1				27.7				25.6				21				16.5			65		
70	18.4	17.1				28.3	22			27.8	21.6			26.6				25				20.6				16.3			70		
75	17.1	16	14.6			26.9	21			26.6	21			25.6	20.2			24.3				20.2				16			75		
80	16	15.1	14			25.6	20.1			25.5	20.1			24.7	19.7			23.6				19.7				15.7			80		
85	15	14.2	13.3	9.4		24.4	19.3	15.3		24.5	19.3			23.7	19			22.8	18.3			19.1				15.3			85		
90	14.1	13.4	12.6	9.3		23.2	18.5	15		23.4	18.6	14.9		22.9	18.3			22.1	17.7			18.5	16.5			14.8			90		
95	13.3	12.7	12.1	9.1		22	17.8	14.6	9.6	22.4	17.9	14.6		22	17.7	14.5		21.3	17.1			17.8	16.1			14.4	13		95		
100	12.5	12.1	11.5	9.1		21	17.1	14.3	9.5	21.4	17.2	14.3	9.5	21.2	17.1	14.2	9.4	20.5	16.6	13.8		17.2	15.7			14	12.7		100		
105	11.8	11.4	11.1	9		20	16.4	13.9	9.4	20.5	16.6	14	9.4	20.4	16.5	13.9	9.4	19.6	16.1	13.6		16.5	15.3			13.6	12.4		105		
110	11.2	10.9	10.7			19.1	15.8	13.5	9.3	19.6	16.1	13.6	9.3	19.7	16	13.5	9.3	18.7	15.6	13.3	9.2	15.9	14.9	12.8		13.2	12		110		
115	10.7	10.5				18.3	15.3	13.1		18.8	15.6	13.2	9.2	18.9	15.5	13.2	9.2	17.9	15.2	13	9.2	15.2	14.5	12.5	9.1	12.7	11.7	10.3		115	
120						17.5	14.8	12.8		18.1	15.1	12.9	9.2	18.2	15	12.9	9.1	17.1	14.7	12.7	9.1	14.6	14.1	12.3	9.1	12.2	11.3	10.1		120	
125						16.8	14.3	12.5		17.4	14.6	12.6		17.5	14.6	12.6	9.1	16.3	14.3	12.4	9.1	13.9	13.7	12	9	11.8	11	9.9		125	
130						16.1	13.8	12.2		16.6	14.1	12.3		16.9	14.2	12.3	9.1	15.5	13.9	12.1	9	13.3	13.4	11.8	9	11.3	10.6	9.7	8.9	130	
135						15.4	13.4	11.9		16	13.7	12		16.3	13.8	12		14.7	13.6	11.9	9	12.7	13	11.6	9	10.9	10.3	9.5	8.9	135	
140						14.8	12.9	11.6		15.5	13.3	11.8		15.7	13.4	11.8		14	13.2	11.7		12	12.6	11.4	9	10.4	9.9	9.3	8.9	140	
145						14.3	12.5	11.4		14.9	12.9	11.5		15.1	13	11.6		13.4	12.9	11.5		11.4	12.1	11.2		9.9	9.6	9.1	8.9	145	
150						13.7	12.2	11.1		14.4	12.5	11.3		14.4	12.7	11.4		12.7	12.6	11.3		10.8	11.6	11.1		9.4	9.3	8.9	8.9	150	
155						13.2	11.8	10.9		13.9	12.2	11.1		13.7	12.4	11.2		12	12.2	11.1		10.3	11.1	10.9		9	9	8.7		155	
160						12.8	11.5			13.4	11.9	10.9		13	12.1	11		11.4	11.8	10.9		9.7	10.6	10.7		8.5	8.7	8.4		160	
165						12.3	11.2			13	11.6	10.8		12.3	11.8	10.8		10.7	11.3	10.8		9.2	10.1	10.4		8	8.4	8.2		165	
170						11.9	10.9			12.6	11.3	10.6		11.7	11.5	10.7		10.1	10.8	10.6		8.7	9.5	10		7.6	8.1	7.9		170	
175						11.5	10.7			12.2	11			11	11.2	10.5		9.5	10.2	10.4		8.1	9	9.5		7.1	7.8	7.7		175	
180						11.2	10.5			11.8	10.8			10.3	10.8	10.4		8.9	9.6	10		7.6	8.5	9		6.6	7.4	7.5		180	
185						10.8	10.3			11.4	10.6			9.7	10.4			8.4	9.1	9.5		7.1	8	8.5		6.2	7	7.3		185	
190						10.5	10.1			11	10.4			9.1	9.9			7.8	8.5	9		6.6	7.5	8		5.8	6.6	7.1		190	
195						10.2				10.5	10.2			8.5	9.4			7.3	8			6.2	7	7.5		5.4	6.2	6.8		195	
200						10				10	10.1			8	8.8			6.8	7.5			5.7	6.5	7		5	5.8	6.4		200	
205										9.4				7.5	8.2			6.3	7			5.3	6.1			4.6	5.4	6		205	
210										9				7.1	7.6			5.9	6.5			5	5.6			4.2	4.9	5.5		210	
215										8.6				6.7	7.2			5.5	6			4.6	5.1			3.8	4.5	5		215	
220														6.4				5.2	5.6			4.3	4.8			3.4	4.1			220	
225														6.1				4.9	5.2			4	4.4			3	3.7			225	
230														5.7				4.6	4.9			3.6	4				3.3			230	
235														5.5				4.2				3.3	3.7				2.8			235	
240																		3.9				3	3.4							240	
245																		3.6					3							245	

* adapter · pièce d'adaptateur

t_180_51405_00_000 / 51425_00_000 / 51445_00_000 / 51465_00_000



Lifting capacities Forces de levage

TF

		49-215 ft T				98 ft F				360°				220500 lbs				85%													
ft	ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				198 + 8 ft*				215 + 8 ft*				ft	
		98 ft				98 ft				98 ft				98 ft				98 ft				98 ft				98 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
26	27																													26	
28	27																													28	
30	27																													30	
32	27																													32	
34	27																													34	
36	26.9																													36	
38	26.4																													38	
40	25.7																													40	
42	25					27																							42		
44	24.2					27				27																			44		
46	23.5					27				27																			46		
48	22.9					27				26.9																			48		
50	22.2					27				26.9				25															50		
55	20.7					26.8				26.3				24.5				21.3											55		
60	19.3 16.5					26.2				25.4				23.8				21.1											60		
65	17.9 15.7					25.1				24.3				22.9				20.7				17.2							65		
70	16.6 14.8					23.9				23.3				22				20.2				17				13.1			70		
75	15.4 13.9					22.8 16.5				22.3				21.2				19.6				16.8				12.9			75		
80	14.4 13					21.8 16.2				21.4				20.4				19				16.6				12.8			80		
85	13.4 12.2 10.2					20.8 15.6				20.5 15.5				19.7				18.4				16.2				12.5			85		
90	12.5 11.4 9.8					19.9 15				19.7 15				19 14.6				17.8				15.8				12.2			90		
95	11.7 10.8 9.3					19 14.4				18.9 14.4				18.3 14.2				17.3 13.5				15.3				11.9			95		
100	11 10.1 9					18 13.8 10.2				18.2 13.9				17.7 13.7				16.7 13.2				14.8 12.1				11.5			100		
105	10.4 9.6 8.6 6					17.2 13.3 10				17.4 13.4				17.1 13.2				16.2 12.8				14.3 12				11.1			105		
110	9.7 9.1 8.3 5.9					16.4 12.8 9.7				16.7 12.9 9.7				16.5 12.7 9.6				15.7 12.3				13.9 11.7				10.8 9.4			110		
115	9.2 8.6 8 5.9					15.6 12.3 9.5 6.1				16 12.4 9.5				15.9 12.3 9.4				15.2 11.9 9.2				13.4 11.3				10.5 9.1			115		
120	8.7 8.2 7.8 5.8					14.9 11.8 9.2 6.1				15.3 12 9.3 6.1				15.3 11.9 9.2 6				14.7 11.6 9.1				12.8 11				10.1 8.8			120		
125	8.2 7.8 7.6 5.8					14.2 11.4 9 6				14.7 11.5 9.1 6				14.7 11.5 9 6				14.2 11.2 8.9				12.3 10.7				9.8 8.6			125		
130	7.8 7.5 7.4					13.6 10.9 8.8 6				14.1 11.1 8.9 6				14.1 11.1 8.8 6				13.7 10.9 8.8 5.9				11.8 10.4 8.6				9.5 8.3			130		
135	7.5 7.2					13 10.6 8.6				13.5 10.8 8.7 5.9				13.6 10.8 8.7 5.9				13.1 10.6 8.6 5.9				11.3 10.2 8.4 5.8				9.2 8.1 7.2			135		
140						12.5 10.2 8.4				12.9 10.4 8.5 5.9				13.1 10.4 8.5 5.9				12.6 10.3 8.5 5.8				10.8 9.9 8.3 5.8				8.8 7.9 7			140		
145						11.9 9.8 8.3				12.4 10.1 8.4				12.6 10.1 8.4 5.8				12.1 10 8.3 5.8				10.3 9.6 8.2 5.8				8.5 7.7 6.9			145		
150						11.4 9.5 8.1				12 9.7 8.2				12.1 9.8 8.2 5.8				11.5 9.7 8.2 5.8				9.7 9.4 8.1 5.8				8.2 7.5 6.8 5.7			150		
155						11 9.2 8				11.5 9.4 8.1				11.7 9.5 8.1				11 9.4 8.1 5.8				9.2 9.1 8 5.8				7.8 7.3 6.6 5.7			155		
160						10.6 8.9 7.9				11.1 9.2 8				11.3 9.3 8				10.4 9.2 8				8.7 8.9 7.9 5.8				7.4 7.1 6.5 5.7			160		
165						10.2 8.6 7.8				10.6 8.9 7.9				10.9 9 7.9				9.9 8.9 7.8				8.2 8.6 7.7				7 6.9 6.4 5.7			165		
170						9.7 8.4 7.6				10.3 8.6 7.8				10.5 8.7 7.8				9.3 8.7 7.7				7.8 8.4 7.6				6.6 6.7 6.3 5.7			170		
175						9.4 8.1 7.5				9.9 8.4 7.6				10.2 8.5 7.7				8.8 8.5 7.6				7.3 8.1 7.5				6.2 6.5 6.2			175		
180						9 7.9				9.6 8.2 7.5				9.7 8.3 7.6				8.3 8.3 7.5				6.9 7.8 7.4				5.8 6.3 6.1			180		
185						8.7 7.7				9.2 8 7.4				9.3 8.1 7.5				7.8 8 7.4				6.4 7.4 7.3				5.4 6.1 5.9			185		
190						8.4 7.5				8.9 7.8 7.3				8.7 7.9 7.4				7.3 7.8 7.4				6 7 7.3				5 5.9 5.8			190		
195						8.1 7.4				8.6 7.6				8.2 7.7 7.3				6.8 7.5 7.3				5.5 6.6 7.1				4.7 5.7 5.7			195		
200						7.9 7.2				8.4 7.5				7.8 7.6 7.2				6.4 7.1 7.2				5.1 6.1 6.8				4.3 5.3 5.5			200		
205						7.6 7.1				8.1 7.3				7.3 7.4				5.9 6.8 7				4.7 5.7 6.5				3.9 4.9 5.4			205		
210						7.4				7.9 7.2				6.9 7.2				5.4 6.3				4.3 5.3 6				3.6 4.5 5.1			210		
215						7.3				7.7 7.1				6.5 6.9				5 5.9				3.9 4.9 5.6				3.2 4.2 4.8			215		
220						7.1				7.4 7				6.1 6.6				4.6 5.4				3.6 4.5 5.1				3.8 4.5			220		
225										7.2				5.7 6.2				4.2 5				3.3 4.1				3.4 4.1			225		
230										6.9				5.3 5.8				3.9 4.5				3.7				3.7			230		
235										6.6				4.9 5.4				3.6 4.1				3.3				3.3			235		
240														4.6				3.3 3.7				2.9							240		
245														4.4				3 3.4											245		
250														4.1				3.1											250		
255														3.8															255		

* adapter · pièce d'adaptateur

t_180_51505_00_000 / 51525_00_000 / 51545_00_000 / 51565_00_000



Lifting capacities Forces de levage

TF

49–230 ft T 118 ft F 360° 220500 lbs 85%																					
ft	49 + 8 ft*				132 + 8 ft*				149 + 8 ft*				165 + 8 ft*				182 + 8 ft*				ft
	118 ft				118 ft				118 ft				118 ft				118 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
28	24.2																			28	
30	24																			30	
32	23.6																			32	
34	23.1																			34	
36	22.4																			36	
38	21.9																			38	
40	21.3																			40	
42	20.8																			42	
44	20.3				24.1															44	
46	19.8				23.9															46	
48	19.3				23.6															48	
50	18.8				23.2				21.7											50	
55	17.7				22.2				21.2				19.3							55	
60	16.6				21.3				20.4				19							60	
65	15.6				20.4				19.6				18.3				16.6			65	
70	14.5	12			19.6				18.9				17.7				16.2			70	
75	13.5	11.5			18.8				18.2				17.2				15.8			75	
80	12.6	10.9			18				17.5				16.6				15.3			80	
85	11.7	10.2			17.3				16.9				16				14.9			85	
90	10.9	9.6			16.5	11.8			16.2				15.5				14.4			90	
95	10.2	9			15.8	11.4			15.6	11.3			15				14			95	
100	9.5	8.5	6.9		15.1	11			15	10.9			14.4	10.6			13.6			100	
105	8.9	8.1	6.7		14.4	10.5			14.4	10.5			14	10.3			13.1			105	
110	8.3	7.7	6.4		13.8	10.1			13.8	10.1			13.5	9.9			12.7	9.5		110	
115	7.9	7.3	6.2		13.1	9.7	6.9		13.2	9.7			13	9.5			12.3	9.2		115	
120	7.4	6.9	6	3.4	12.5	9.3	6.9		12.7	9.4	6.7		12.5	9.2			11.9	8.9		120	
125	7	6.6	5.8	3.3	11.9	9	6.7		12.1	9	6.7		12	8.9			11.6	8.6		125	
130	6.7	6.3	5.6	3.2	11.4	8.6	6.5		11.6	8.7	6.5		11.6	8.6	6.5		11.2	8.3		130	
135	6.3	6	5.4	3.2	10.8	8.3	6.3	3.6	11.1	8.4	6.4		11.1	8.3	6.3		10.8	8.1	6.2	135	
140	6	5.7	5.3	3.2	10.3	8.1	6.2	3.6	10.7	8.1	6.2	3.6	10.7	8.1	6.2		10.4	7.9	6.1	140	
145	5.7	5.5	5.2	3.1	9.8	7.8	6.1	3.6	10.2	7.9	6.1	3.6	10.2	7.8	6.1	3.6	10	7.6	6	145	
150	5.5	5.3	5.2		9.4	7.5	5.9	3.6	9.8	7.6	6	3.6	9.9	7.6	6	3.6	9.6	7.4	5.9	3.6	150
155	5.2	5.1			9	7.3	5.8		9.3	7.4	5.8	3.6	9.5	7.4	5.9	3.6	9.3	7.3	5.8	3.6	155
160					8.6	7.1	5.7		9	7.2	5.7	3.6	9.1	7.2	5.7	3.6	8.9	7.1	5.7	3.6	160
165					8.2	6.9	5.6		8.6	7	5.6		8.8	7	5.7	3.6	8.5	6.9	5.6	3.6	165
170					7.9	6.7	5.5		8.3	6.8	5.5		8.4	6.9	5.6	3.6	8.2	6.8	5.5	3.6	170
175					7.6	6.4	5.4		7.9	6.6	5.5		8.1	6.7	5.5		7.8	6.6	5.5	3.6	175
180					7.3	6.3	5.3		7.7	6.4	5.4		7.9	6.5	5.4		7.4	6.5	5.4		180
185					7.1	6.1	5.3		7.4	6.3	5.3		7.6	6.4	5.3		7	6.3	5.3		185
190					6.8	5.9	5.2		7.2	6.1	5.3		7.3	6.2	5.3		6.6	6.2	5.3		190
195					6.6	5.7	5.2		6.9	5.9	5.2		7.1	6	5.2		6.2	6.1	5.2		195
200					6.4	5.6			6.7	5.8	5.2		6.8	5.9	5.2		5.8	5.9	5.2		200
205					6.1	5.5			6.5	5.6	5.2		6.5	5.8	5.2		5.3	5.7	5.1		205
210					5.9	5.3			6.3	5.5			6.2	5.6	5.1		5	5.5	5.1		210
215					5.8	5.2			6.1	5.4			6	5.5	5.1		4.6	5.3	5.1		215
220					5.6	5.1			5.9	5.3			5.6	5.4	5.1		4.2	5.1	5.1		220
225					5.4	5			5.7	5.2			5.3	5.3			3.8	4.8	5		225
230					5.3				5.6	5.1			4.9	5.2			3.4	4.4			230
235					5.1				5.4	5			4.5	5			3	4			235
240					5				5.3	4.9			4.2	4.8				3.6			240
245									5.2				3.8	4.5				3.2			245
250									5				3.5	4.1							250
255									4.9				3.2	3.7							255
260													2.9								260

* adapter · pièce d'adaptateur

t_180_51605_00_000 / 51625_00_000 / 51645_00_000 / 51665_00_000



Lifting capacities Forces de levage

TF



ft	194 + 8 ft*				198 + 8 ft*				210 + 8 ft*				215 + 8 ft*				227 + 8 ft*				230 +	ft
	118 ft				118 ft				118 ft				118 ft				118 ft				8 ft*	
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	
70	11.2				13.7				9.9				9.6									70
75	11				13.5																	75
80	10.6				13.3				9.8				9.5				6.3				5.5	80
85	10.3				13.1				9.6				9.4				6.4				5.5	85
90	10				12.8				9.4				9.3				6.4				5.5	90
95	9.6				12.5				9.2				9.2				6.4				5.5	95
100	9.3				12.2				8.8				9				6.3				5.5	100
105	8.9				11.9				8.5				8.9				6.2				5.5	105
110	8.5				11.6				8				8.8				6.1				5.4	110
115	8.1	6.9			11.3	8.5			7.6				8.5				6				5.4	115
120	7.6	6.7			10.9	8.3			7.2	6.5			8.2	6.9			5.9				5.3	120
125	7.2	6.5			10.6	8.1			6.8	6.4			8	6.8			5.7				5.3	125
130	6.7	6.3			10.2	7.8			6.4	6.2			7.7	6.6			5.6	6			5.2	130
135	6.2	6.1			9.8	7.6			6	6			7.4	6.5			5.3	5.8			5	135
140	5.8	5.9			9.4	7.5	5.9		5.6	5.9			7.2	6.3			5.1	5.7			4.8	140
145	5.4	5.7			9	7.3	5.9		5.3	5.7			6.9	6.1			4.8	5.5			4.5	145
150	4.9	5.6	4.9		8.6	7.1	5.8		4.9	5.5			6.7	5.9			4.4	5.4			4.2	150
155	4.5	5.4	4.7		8.2	7	5.7		4.5	5.3	4.7		6.4	5.8			4.1	5.1			3.8	155
160	4	5.2	4.6		7.7	6.8	5.6	3.5	4.1	5.1	4.6		6.2	5.6	5		3.7	4.9			3.5	160
165	3.5	4.9	4.5	3.5	7.3	6.7	5.5	3.5	3.7	4.9	4.5		5.9	5.5	4.8		3.2	4.6			3.1	165
170	3	4.6	4.4	3.5	6.9	6.6	5.5	3.6	3.2	4.6	4.4		5.6	5.3	4.7		2.8	4.3	4.3		2.7	170
175		4.3	4.3	3.6	6.5	6.4	5.4	3.6	2.8	4.3	4.3	3.6	5.3	5.2	4.6	3.6		4	4.2			175
180		3.9	4.2		6.1	6.3	5.3	3.6		3.9	4.2	3.6	5	5.1	4.5	3.6		3.6	4.1	3.6		180
185		3.4	4		5.7	6.1	5.3			3.5	4.1		4.7	4.9	4.4	3.6		3.2	4	3.6		185
190		3	3.9		5.3	6	5.2			3.1	3.9		4.3	4.8	4.3	3.6		2.8	3.9	3.6		190
195			3.7		4.9	5.8	5.2				3.8		4	4.6	4.3				3.6			195
200			3.4		4.5	5.6	5.1				3.5		3.6	4.4	4.2				3.3			200
205					4.1	5.3	5.1				3.1		3.3	4.2	4.1							205
210					3.8	4.9	5							4	4							210
215					3.4	4.6	4.9							3.8	4							215
220					3	4.2	4.8							3.4	3.8							220
225						3.8	4.5							3.1	3.7							225
230						3.4	4.2								3.5							230
235						3.1	3.8								3.2							235
240							3.4								2.8							240

* Adapter - adapter

t_180_51605_00_000 / 51625_00_000 / 51645_00_000 / 51665_00_000



Lifting capacities Forces de levage

TF

		49 – 227 ft T			138 ft F			360°			220500 lbs			85%																			
ft	ft	49 + 8 ft*			132 + 8 ft*			149 + 8 ft*			165 + 8 ft*			182 + 8 ft*			194 + 8 ft*			198 + 8 ft*			210 + 8 ft*			215 + 8 ft*			227 + 8 ft*			ft	
		138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft				
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
32	18.7																															32	
34	18.6																															34	
36	18.4																															36	
38	17.9																															38	
40	17.5																															40	
42	17.1																															42	
44	16.6																															44	
46	16.2																															46	
48	15.9																															48	
50	15.5				18.5																											50	
55	14.6				17.9			16.8																								55	
60	13.8				17.2			16.4																								60	
65	13				16.4			15.7			14.6																					65	
70	12.3				15.8			15.1			14.1			12.8																		70	
75	11.5				15.1			14.5			13.7			12.5			8.6		10.8													75	
80	10.8				14.5			14			13.2			12.1			8.4		10.7													80	
85	10.1	8.4			13.9			13.5			12.8			11.7			8.2		10.5				7.4			7.1			3.6			85	
90	9.5	7.9			13.4			13			12.3			11.4			7.9		10.2				7.3			7			3.6			90	
95	8.9	7.5			12.9			12.5			11.9			11.1			7.6		9.9				7.1			6.9			3.5			95	
100	8.3	7.1			12.3	8.6		12.1	8.3		11.6			10.8			7.3		9.6				6.9			6.8			3.5			100	
105	7.8	6.7			11.8	8.3		11.6	8.2		11.2			10.4			7.1		9.4				6.7			6.7			3.5			105	
110	7.3	6.3			11.3	7.9		11.2	7.9		10.8	7.6		10.1			6.8		9.1				6.5			6.6			3.5			110	
115	6.9	6	4.6		10.8	7.6		10.7	7.6		10.4	7.4		9.8	6.9		6.5		8.8				6.3			6.5			3.5			115	
120	6.5	5.7	4.5		10.3	7.4		10.3	7.3		10	7.2		9.5	6.9		6.3		8.6				6			6.4			3.5			120	
125	6.1	5.4	4.3		9.8	7.1		9.9	7		9.7	6.9		9.2	6.7		6		8.3				5.7			6.2			3.4			125	
130	5.8	5.2	4		9.4	6.8		9.5	6.8		9.3	6.7		8.9	6.5		5.6		8.1	6.1			5.3			6			3.4			130	
135	5.5	4.9	3.8		9	6.6	4.8	9.1	6.6		9	6.5		8.5	6.3		5.3	4.7	7.8	5.9			5	4.5		5.8			3.3			135	
140	5.2	4.7	3.6		8.6	6.4	4.7	8.7	6.4	4.6	8.6	6.3	4.5	8.2	6.1		4.9	4.6	7.6	5.8			4.6	4.3		5.7	4.8		3.2			140	
145	4.9	4.5	3.5		8.2	6.1	4.5	8.4	6.2	4.5	8.3	6.1	4.5	7.9	5.9		4.5	4.4	7.4	5.6			4.3	4.2		5.5	4.6		3.1			145	
150	4.6	4.3	3.3		7.8	5.9	4.4	8	6	4.4	8	5.9	4.4	7.7	5.7		4	4.2	7.2	5.5			3.8	4		5.3	4.5		2.9			150	
155	4.4	4	3.2		7.5	5.7	4.3	7.7	5.8	4.3	7.7	5.7	4.3	7.5	5.6	4.2	3.5	4	6.9	5.3			3.4	3.9		5	4.3				3.6		155
160	4.2	3.8	3.1		7.2	5.5	4.2	7.4	5.6	4.2	7.4	5.6	4.2	7.2	5.4	4.1	3.1	3.9	6.7	5.2			3	3.7		4.8	4.2				3.4		160
165	3.9	3.6	3.1		6.9	5.4	4.1	7.1	5.4	4.1	7.2	5.4	4.1	7	5.3	4		3.7	6.3	5.1				3.5		4.6	4.1				3.3		165
170	3.8	3.5	3		6.6	5.2	4	6.8	5.3	4	6.9	5.3	4	6.7	5.1	3.9		3.6	6	4.9	3.9			3.4		4.4	3.9				3.2		170
175	3.6	3.4			6.3	5	3.9	6.6	5.1	3.9	6.7	5.1	3.9	6.5	5	3.9		3.4	5.7	4.8	3.8			3.2		4.2	3.8				3		175
180					6.1	4.9	3.8	6.3	5	3.8	6.5	5	3.8	6.2	4.9	3.8		3.1	5.3	4.7	3.7			3		4	3.7						180
185					5.9	4.8	3.7	6.1	4.8	3.7	6.2	4.8	3.7	6	4.8	3.7			5	4.6	3.6					3.8	3.6						185
190					5.6	4.6	3.6	5.9	4.7	3.7	6	4.7	3.7	5.7	4.6	3.7			4.6	4.5	3.6					3.5	3.4						190
195					5.4	4.5	3.6	5.7	4.6	3.6	5.8	4.6	3.6	5.5	4.5	3.6			4.3	4.4	3.5					3.2	3.3						195
200					5.2	4.4	3.5	5.5	4.4	3.5	5.6	4.5	3.6	5.1	4.4	3.5			3.9	4.3	3.5					2.8	3.2						200
205					5	4.2	3.5	5.3	4.3	3.5	5.4	4.4	3.5	4.8	4.3	3.5			3.6	4.2	3.4								3				205
210					4.8	4.1	3.4	5.1	4.2	3.4	5.2	4.3	3.5	4.4	4.2	3.4			3.2	4.1	3.4								2.9				210
215					4.6	4	3.4	4.9	4.1	3.4	5	4.2	3.4	4	4.1	3.4			2.8	4	3.4								2.7				215
220					4.5	3.9		4.7	4	3.4	4.8	4.1	3.4	3.7	4	3.4				3.8	3.3												220
225					4.3	3.8		4.6	3.9	3.4	4.5	4	3.3	3.3	3.9	3.3				3.5	3.3												225
230					4.1	3.7		4.4	3.8		4.3	3.9	3.3		3.7	3.3				3.1	3.3												230
235					4	3.6		4.3	3.7		4.1	3.8	3.3		3.6	3.3				2.8	3.2												235
240					3.9	3.5		4.1	3.6		3.8	3.7	3.3		3.4	3.3					3.1												240
245					3.7	3.4		4	3.6		3.4	3.6			3.1	3.3					2.9												245
250					3.6			3.9	3.5		3.1	3.5																					250
255					3.5			3.8	3.4		2.8	3.4																					255
260					3.4			3.6	3.4			3.2																					260
265								3.5				2.9																					265
270								3.4																									270
275								3.3																									275

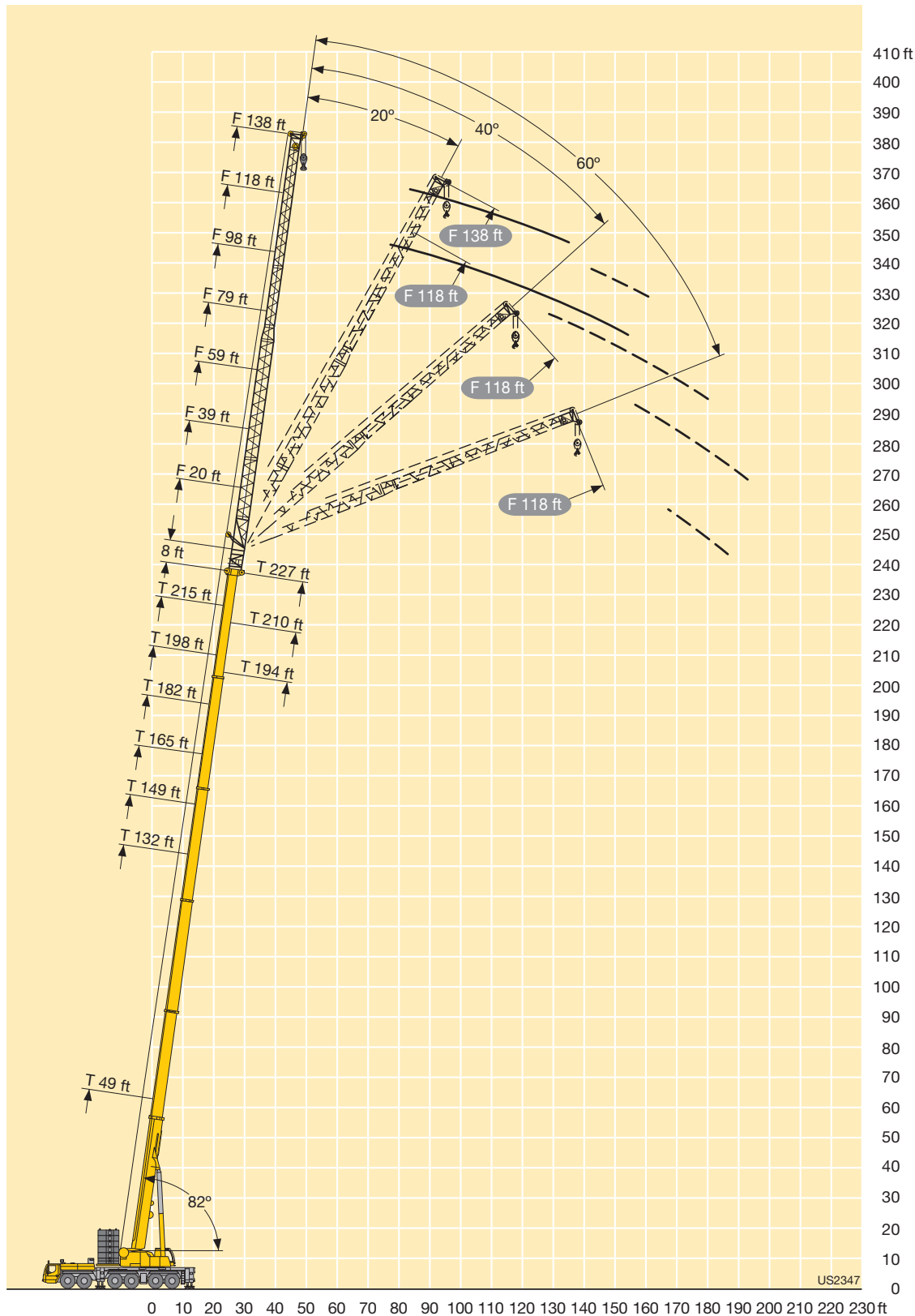
* adapter - pièce d'adaptateur

t_180_51705_00_000 / 51725_00_000 / 51745_00_000



Lifting heights Hauteurs de levage

TF





Lifting capacities Forces de levage

TYVEF

		132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*			215 + 20 ft*				
		20 ft			20 ft			20 ft			20 ft			20 ft			20 ft				
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
32	127.3				122.1			104.3												32	
34	127.3																			34	
36	127.3				121.4			106.4												36	
38	127.3	83.5			120.6	84		110.5			93.7									38	
40	127.1	82.9			119.6	83.5		110.1			97									40	
45	122	80.6	62.8		116.2	82.1	63.4	108.1	82.6	63.6	96	82.5		83.2						45	
50	115.4	78.2	61.9		111.2	80	62.4	104.3	81	62.7	94	81.6	63	81.8	78.9		69.8			50	
55	109.5	75.9	61		103.3	77.8	61.6	99.9	78.9	61.9	91.2	79.9	62.2	80.5	77.7	63.2	68.6	68.8		55	
60	102.9	73.8	60.2		96.3	75.8	60.8	94.8	77	61.2	88	78.1	61.5	78.3	76.9	62.5	67.5	67.8	62.1	60	
65	96.5	71.9	59.6		90.3	73.9	60.1	89	75.2	60.5	83.1	76.4	60.8	76	75.3	61.9	66.4	66.7	61.5	65	
70	90.4	70.1	58.9		84.9	72.1	59.5	83.9	73.5	59.9	78.2	74.3	60.2	73	72.8	61.3	64.9	65.3	61	70	
75	84.6	68.4	58.3		79.9	70.5	58.9	79.3	71.9	59.3	73.8	72.1	59.7	68.9	69.9	60.8	63	63.5	60.4	75	
80	79.2	66.9	57.9		74.9	69	58.4	75.1	70.2	58.8	69.9	69.9	59.2	65.1	66	60.3	60.6	61.2	59.9	80	
85	73.7	65.5	57.5		70.5	67.5	58	71	68.3	58.3	66.3	66.4	58.7	61.8	62.5	59.8	57.4	57.9	58.2	85	
90	68	64.2	57.2		66.4	66.1	57.6	67.1	66.6	57.9	62.8	63.1	58.3	58.6	59.5	58.9	54.5	54.8	55.3	90	
95	62.8	62.7	57		62.2	63.5	57.2	63.5	64	57.6	59.3	60	57.6	55.7	56.6	56.6	51.7	52.1	52.5	95	
100	58.1	59.7	56.8		57.8	59.5	57	60.1	60.7	57.1	56.2	56.8	56.5	52.7	53.8	54.2	49.1	49.5	49.9	100	
105	53.9	55.4	55.8		53.6	55.1	55.7	56.5	57.6	56.6	53.3	53.9	54.4	49.9	51.1	51.6	46.5	47.1	47.5	105	
110	50	51.4			49.7	51.2	52	52.9	54.1	54.9	50.5	51.1	51.6	47.2	48.4	49	43.9	44.7	45.3	110	
115	46.6	47.8			46.1	47.6	48.3	49.5	50.6	51.3	47.6	48.5	49.1	44.8	45.9	46.5	41.6	42.3	43	115	
120	43.1	44.4			42.7	44.2	44.8	46.3	47.3	47.9	44.7	45.9	46.5	42.5	43.6	44.1	39.4	40.1	40.7	120	
125	40.1	41.2			39.6	41		43.3	44.2	44.8	42	43.1	43.9	40.3	41.4	41.9	37.3	38	38.6	125	
130	37.2	38.3			36.8	38		40.5	41.4	41.9	39.3	40.4	41.2	37.8	39.2	39.9	35.4	36	36.6	130	
135	34.2	35.4			34	35.2		37.8	38.7	39.2	36.8	37.8	38.4	35.5	36.8	37.6	33.4	34.2	34.7	135	
140	31.7	32.6			31.4	32.6		35.4	36.2		34.4	35.2	35.8	33.2	34.6	35.3	31.4	32.3	32.9	140	
145	28.1				29.1	30		33	33.8		31.9	32.9	33.4	31	32.4	33	29.3	30.3	31	145	
150	23.8				26.8	27.7		30.8	31.6		29.8	30.6		28.9	30.2	30.7	27.3	28.3	29	150	
155	18.6				24.7			28.6	29.4		27.6	28.5		26.8	28	28.5	25.4	26.4	27	155	
160	11.9				21.6			26.7	27.3		25.7	26.4		25	26		23.7	24.6	25.2	160	
165					18			24.9	25.4		23.9	24.6		23.2	24.2		22	22.8	23.3	165	
170					13.8			23	23.6		22.2	22.7		21.4	22.4		20.3	21.1		170	
175					8.5			20.2	21.2		20.5	21.1		19.8	20.7		18.8	19.5		175	
180								17.1			19	19.5		18.3	19.2		17.1	17.9		180	
185								13.6			17.3	18		16.9	17.7		15.8	16.4		185	
190								9.3			14.9			15.5	16.2		14.4	15		190	
195											12.3			14.2	14.9		13.1	13.6		195	
200											9.4			12.6	13.5		11.8	12.4		200	
205											6			10.5			10.6	11.1		205	
210														8.4			9.5	9.9		210	
215														5.9			8	8.7		215	
220																	6.1			220	

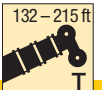
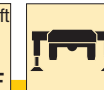
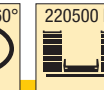
* adapter · pièce d'adaptateur

t_180_61101_00_000 / 61121_00_000 / 61141_00_000



Lifting capacities Forces de levage

TYVEF

		 132 – 215 ft T				 11.5 ft Y				 20 ft V				 20 ft E				 20 ft F				 360°				 220500 lbs				 85%					
 ft	132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*				 ft										
	20 ft				20 ft				20 ft				20 ft				20 ft				20 ft														
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°			
28	127.3																															28			
30	127.3					121.5																										30			
32	127.3					122.1																										32			
34	127.3	84.6				122.1				106.5																						34			
36	127.3	84.1				121.4	84.4			110.3																						36			
38	127.3	83.5	64.4			120.6	84			110.5				96.5																		38			
40	127.1	82.9	63.9			119.6	83.5			110.1				97																		40			
45	122	80.6	62.8	56		116.2	82.1	63.4	56	108.1	82.6	63.6		96	82.5			83.2														45			
50	115.4	78.2	61.9	55.9		111.2	80	62.4	55.9	104.3	81	62.7	55.8	94	81.6	63		81.8	78.9			69.8										50			
55	109.5	75.9	61	55.7		103.3	77.8	61.6	55.7	99.9	78.9	61.9	55.6	91.2	79.9	62.2	55.6	80.5	77.7	63.2		68.6	68.8									55			
60	100.8	73.8	60.2	55.4		96.1	75.8	60.8	55.6	94.8	77	61.2	55.6	88	78.1	61.5	55.5	78.3	76.9	62.5	56.2	67.5	67.8	62.1								60			
65	91.4	71.9	59.6			88.2	73.9	60.1	55.3	88.9	75.2	60.5	55.4	83.1	76.4	60.8	55.4	76	75.3	61.9	56.2	66.4	66.7	61.5	56.1							65			
70	83	70.1	58.9			80.1	72.1	59.5		81.6	73.5	59.9	55.1	77.8	74.3	60.2	55.2	73	72.8	61.3	56.2	64.9	65.3	61	56.1							70			
75	75.6	68.4	58.3			73	70.4	58.9		74.8	71.2	59.3		71.6	72.1	59.7	54.9	68.2	69.9	60.8	56.2	63	63.5	60.4	56.1							75			
80	69.1	66.9	57.9			66.7	68.8	58.4		68.8	69.6	58.8		65.8	67.8	59.2	54.7	62.9	65.3	60.3	56.2	59.7	61.2	59.9	56.1							80			
85	63.2	64.7	57.5			61.2	63.5	58		63.5	65.1	58.3		60.7	62.6	58.4	54.6	58	60.3	59.5	56.2	55.1	57.2	58.2	56.1							85			
90	58	60.1	57.2			56.2	58.4	57.4		58.6	60.4	57.8		56	57.8	58		53.6	55.8	57.3	56.2	50.9	52.8	54.4	55.6							90			
95	53	54.9	55.3			51.6	53.7	55.1		54.2	55.9	56.2		51.7	53.4	54.7		49.4	51.6	53.1		46.9	48.7	50.2	51.3							95			
100	48.5	50.2	51.2			47.4	49.4	50.6		50.1	51.7	53		47.9	49.4	50.8		45.6	47.6	49.1		43.2	44.9	46.4								100			
105	44.3	46	46.8			43.5	45.4	46.5		46.5	47.9	49.1		44.3	45.7	47		42.1	44.1	45.3		39.9	41.5	42.8								105			
110	40.4	42				40	41.7	42.6		43	44.4	45.4		40.9	42.3	43.4		38.9	40.8	42		36.7	38.3	39.5								110			
115	37.1	38.4				36.6	38.2	38.9		39.9	41.1	42.1		37.8	39.2	40.2		36	37.7	38.9		33.9	35.3	36.5								115			
120	33.8	35.2				33.4	34.9	35.6		37	38.2	39		35	36.2	37.2		33.3	34.9	36		31.3	32.7	33.7								120			
125	30.9	32				30.6	31.8			34.2	35.3	36		32.4	33.6	34.5		30.7	32.3	33.2		28.8	30.1	31.1								125			
130	28.2	29.3				27.9	29.1			31.6	32.6	33.1		30	31.1	31.9		28.4	29.9	30.8		26.6	27.8	28.7								130			
135	25.7	26.7				25.4	26.5			29.1	30	30.5		27.7	28.8	29.5		26.2	27.6	28.4		24.4	25.6	26.4								135			
140	23.4	24.2				23.1	24.2			26.9	27.7			25.6	26.6	27.3		24.2	25.5	26.3		22.4	23.6	24.3								140			
145	21.3					21	21.9			24.7	25.5			23.7	24.6	25.1		22.2	23.6	24.2		20.6	21.6	22.3								145			
150	19.2					19	19.9			22.8	23.4			21.8	22.6			20.4	21.7	22.3		18.8	19.8	20.5								150			
155	17.3					17.1				20.9	21.5			19.9	20.7			18.8	19.9	20.5		17.2	18.1	18.7								155			
160	11.9					15.4				19.1	19.8			18.2	18.9			17.2	18.3			15.6	16.5	17.1								160			
165						13.8				17.5	18			16.6	17.3			15.7	16.8			14.1	15	15.5								165			
170						12.2				16	16.5			15.1	15.6			14.3	15.2			12.8	13.5									170			
175						8.5				14.5	15			13.6	14.2			12.9	13.8			11.5	12.2									175			
180										13.2				12.3	12.7			11.5	12.4			10.2	10.9									180			
185										11.9				11	11.4			10.3	11			9	9.7									185			
190										9.2				9.8				9.1	9.8			7.8	8.5									190			
195														8.6				8	8.6			6.7	7.3									195			
200														7.6				6.9	7.5			5.6	6.2									200			
205														5.8				5.7				4.5	5									205			
210																		4.6				3.4	3.9									210			
215																		3.6				2.7										215			

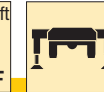
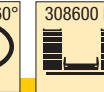
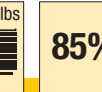
* adapter · pièce d'adaptateur

t_180_61105_00_000 / 61125_00_000 / 61145_00_000 / 61165_00_000



Lifting capacities Forces de levage

TYVEF

		 132–215 ft T				 11.5 ft Y				 V				 E				 39 ft F								 360°				 308600 lbs				 85%					
 ft	132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*				 ft														
	39 ft				39 ft				39 ft				39 ft				39 ft				39 ft																		
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°											
36	85.5				87																							36											
38	83.4				85																							38											
40	81.4				83.1				82.6																			40											
45	76.7				78.7				79				79															45											
50	72.7	46.4			74.7	47.2			75.3				75.6				71.2											50											
55	68.8	44.8			71.1	45.6			71.9	46.1			72.4	47.3			69.5				62.1							55											
60	65.5	43.3	33.4	25.1	67.8	44.2	33.7		68.9	44.8			69.5	46.1			68.2				61.2							60											
65	62.2	42	32.8	24.9	64.9	42.9	33.1	24.9	66	43.5	33.2		66.9	44.8	33.9		66.2	44.5			60.2	43.9						65											
70	59.1	40.7	32.3	24.7	62.1	41.7	32.5	24.7	63.4	42.3	32.7	24.7	64.3	43.7	33.4	24.7	64	43.4	33.2		59.2	43						70											
75	56.3	39.5	31.8	24.4	59.4	40.6	32.1	24.5	61.1	41.2	32.2	24.5	62	42.6	33	24.6	61.9	42.4	32.8	24.4	58.1	42.1	32.7					75											
80	53.7	38.4	31.3	24.3	56.9	39.5	31.6	24.3	58.7	40.1	31.8	24.4	59.9	41.6	32.6	24.4	59.9	41.4	32.4	24.3	56.4	41.2	32.3	25.4				80											
85	51.4	37.4	30.9		54.4	38.5	31.2	24.2	56.5	39.2	31.4	24.2	57.8	40.6	32.1	24.2	57.3	40.5	32	24.1	54.5	40.3	31.9	25.2				85											
90	49.3	36.4	30.5		52.1	37.5	30.8		54.4	38.3	31	24.1	55.8	39.7	31.8	24.1	55	39.7	31.7	24	51.9	39.5	31.6	25.1				90											
95	47.2	35.5	30.1		50.2	36.6	30.4		52.4	37.4	30.6		53.7	38.8	31.4	24	53.4	38.9	31.3	23.9	49.3	38.8	31.3	25				95											
100	45.3	34.7	29.8		48.4	35.8	30.1		50.5	36.6	30.3		51.8	38	31.1		51.1	38.2	31	23.8	46.9	38	31	24.9				100											
105	43.7	34	29.5		46.5	35	29.9		48.8	35.8	30		49.8	37.3	30.8		48.7	37.4	30.7	23.8	44.7	37.3	30.7	24.8				105											
110	42.1	33.3	29.3		44.8	34.3	29.6		47.1	35.1	29.7		48.1	36.5	30.5		46.2	36.7	30.5	23.7	42.5	36.7	30.4	24.8				110											
115	40.6	32.6	29.2		43.4	33.7	29.4		45.3	34.4	29.5		46.3	35.8	30.2		43.9	36.1	30.2		40.3	36.1	30.2	24.7				115											
120	39.3	32	29		41.9	33	29.2		43.4	33.8	29.3		44.2	35.2	30		41.7	35.4	30		38.2	35.5	30					120											
125	38.1	31.5	28.8		40.5	32.4	29		42.1	33.2	29.1		41.9	34.6	29.7		39.6	34.8	29.8		36.2	35	29.8					125											
130	36.9	31			38.6	31.9	28.9		40.8	32.7	28.9		39.5	34	29.6		37.7	34.3	29.6		34.4	34.4	29.6					130											
135	35.6	30.6			36.3	31.4	28.7		39	32.2	28.8		37.2	33.5	29.4		35.8	33.8	29.4		32.6	33.5	29.4					135											
140	33.9	30.2			33.8	30.9			36.6	31.7	28.7		35	33	29.2		33.7	33	29.3		31	32.2	29.2					140											
145	31.9	29.8			31.3	30.5			34.4	31.1	28.6		32.9	32.3	29.1		31.7	32.4	29.1		29.3	30.5	29.1					145											
150	29.6	29.5			29.1	29.6			32.3	30.6	28.5		30.9	31.7	29.1		29.7	31.3	29		27.5	29	29					150											
155	27.5	28.4			26.9	28.5			30.2	30.2			28.9	31	29		27.8	29.6	28.9		25.8	27.5	28.2					155											
160	25.1	26.7			25.1	26.5			28.1	29			27	28.9	28.9		26.1	27.8	28.3		24	25.8	27					160											
165	21.7				23.2	24.5			26.3	27.5			25.2	26.9	27.8		24.4	26	27.2		22.4	24.1	25.4					165											
170	18				21.5	22.6			24.6	25.9			23.4	25.2			22.8	24.3	25.3		20.9	22.5	23.7					170											
175	13.6				19.2				23	24.1			21.9	23.4			21.3	22.7	23.6		19.4	21	22.1					175											
180	7.8				16.4				21.4	22.5			20.3	21.8			19.7	21.1			18.1	19.5	20.5					180											
185					13.3				19.9	20.9			18.9	20.3			18.3	19.6			16.8	18.2	19.1					185											
190					9.6				17.8	19.3			17.5	18.8			16.9	18.1			15.5	16.8						190											
195					5.3				15.4				16.2	17.4			15.6	16.8			14.1	15.5						195											
200									12.7				14.9	16			14.4	15.4			13	14.2						200											
205									9.6				13	14.7			13.1	14.2			11.7	12.9						205											
210									6.2				10.9				12.1	12.9			10.6	11.8						210											
215													8.6				10.9	11.8			9.6	10.6						215											
220													6.2				9.2	10.6			8.5	9.5						220											
225																	7.3				7.4	8.4						225											
230																	5.3				6.2	7.3						230											
235																					4.7	6.1						235											
240																					3							240											

* adapter · pièce d'adaptateur

t_180_61201_00_000 / 61221_00_000 / 61241_00_000 / 61261_00_000



Lifting capacities Forces de levage

TYVEF

		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*					
		59 ft				59 ft				59 ft				59 ft				59 ft				59 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
34	ft	64.9																								ft	
36		63.5																									
38		61.9				62.6																					
40		60.4				61.2																					
45		56.8				57.8				57.8				57.2													
50		53.6				54.8				55				55.1				53									
55		50.9	32.6			52.1				52.5				52.7				51.6				50.2					
60		48.2	31.4			49.7	32			50.2	32.1			50.5				49.7				48.6					
65		46.1	30.3			47.3	30.9			48	31.1			48.4	31.4			47.8				47					
70		43.9	29.3	22.1		45.4	29.9			46	30.2			46.6	30.5			46	30.9			45.5					
75		41.9	28.3	21.6		43.4	29	21.8		44.2	29.3	21.8		44.8	29.6			44.4	30.1			44	30				
80		39.9	27.4	21.1	14.2	41.6	28.1	21.3	14.2	42.5	28.5	21.4		43.1	28.8	21.5		42.9	29.4			42.6	29.3				
85		38.1	26.6	20.6	14.1	39.9	27.3	20.8	14.1	40.9	27.7	21	14	41.7	28.1	21.1		41.4	28.6	21.7		41.4	28.6				
90		36.3	25.8	20.2	13.9	38.3	26.5	20.4	14	39.3	26.9	20.5	13.9	40.2	27.4	20.7	13.9	40.2	28	21.4		40.2	28	21.3			
95		34.8	25.1	19.7	13.8	36.7	25.8	20	13.8	38	26.2	20.2	13.8	38.7	26.7	20.3	13.8	38.9	27.3	21.1	14.4	39	27.4	21.1			
100		33.4	24.4	19.4	13.7	35.3	25.1	19.7	13.7	36.7	25.6	19.8	13.7	37.5	26.1	20	13.7	37.7	26.7	20.8	14.3	38	26.8	20.8	14.2		
105		32	23.8	19		34	24.5	19.3	13.6	35.4	25	19.5	13.6	36.4	25.5	19.7	13.6	36.6	26.1	20.5	14.2	36.9	26.3	20.5	14.2		
110		30.6	23.2	18.7		32.7	23.9	19		34.2	24.4	19.2	13.5	35.2	24.9	19.4	13.5	35.5	25.6	20.2	14.1	35.6	25.7	20.2	14.1		
115		29.5	22.6	18.4		31.4	23.3	18.7		33	23.8	18.9		33.9	24.3	19.1	13.4	34	25	19.9	14	33.7	25.2	20	14		
120		28.4	22.1	18.1		30.2	22.8	18.4		31.8	23.3	18.6		32.8	23.8	18.8		33	24.5	19.7	14	31.6	24.8	19.7	14		
125		27.4	21.6	17.9		29.2	22.3	18.1		30.6	22.8	18.4		31.5	23.3	18.5		31.1	24.1	19.4		29.3	24.3	19.5	13.9		
130		26.5	21.1	17.7		28.2	21.8	17.9		29.3	22.4	18.1		30.3	22.8	18.3		29.1	23.6	19.2		27.2	23.9	19.3	13.9		
135		25.6	20.6	17.5		27.3	21.4	17.7		28.4	21.9	17.9		28.7	22.4	18.1		27	23.2	19		25.2	23.5	19.1	13.8		
140		24.8	20.2	17.3		26.2	20.9	17.5		27.5	21.5	17.7		26.9	22	17.9		25.1	22.8	18.8		23.4	23.1	18.9			
145		24	19.7	17.1		24.9	20.5	17.3		26.5	21.1	17.5		25	21.6	17.7		23.3	22.4	18.6		21.6	22.7	18.7			
150		23	19.4			23	20.1	17.2		25.1	20.7	17.4		23.3	21.2	17.5		21.7	22	18.4		20	22.3	18.5			
155		21.7	19			21.3	19.7	17.1		23.4	20.2	17.2		21.7	20.7	17.4		20.1	21.7	18.2		18.4	21.2	18.3			
160		20.3	18.6			19.5	19.3			21.8	19.8	17.1		20.1	20.3	17.2		18.5	21.3	18.1		16.9	19.6	18.2			
165		18.6	18.4			17.9	18.7			20.4	19.4	17		18.6	19.9	17.1		17.1	19.9	17.9		15.6	18.2	18			
170		17.1	17.9			16.4	18			18.9	19.1			17.3	19.2	17		15.8	18.5	17.8		14.3	16.7	17.9			
175		15.6	17			14.9	16.8			17.5	18.5			16	18	16.9		14.5	17.1	17.7		13	15.4	16.9			
180		14.3				13.5	15.2			16.1	17.5			14.8	16.7			13.3	15.8	17		11.8	14.1	15.8			
185		13				12.3	13.8			14.8	16.4			13.6	15.4			12.2	14.5	15.9		10.7	12.8	14.4			
190		11.7				11	12.4			13.6	15.1			12.5	14.2			11.1	13.3	14.6		9.6	11.7	13.1			
195		9.6				9.9				12.4	13.8			11.3	12.9			10	12.2	13.4		8.6	10.5	11.9			
200						8.8				11.4	12.6			10.3	11.7			9.1	11.1			7.7	9.5	10.7			
205						7.8				10.3	11.4			9.2	10.6			8.2	10			6.7	8.5	9.6			
210						6.5				9.3	7.8			8.3	9.5			7.2	9			5.8	7.5				
215										8.4				7.4	8.4			6.4	8.1			4.9	6.6				
220										7.6				6.6	7.6			5.5	7.1			4	5.6				
225										6.7				5.7	6.7			4.6	6.2			3.1	4.7				
230										3.6				4.8				3.7	5.2				3.8				
235														3.9				2.7	4.3				2.8				
240														3					3.2								

* adapter · pièce d'adaptateur

t_180_61305_00_000 / 61325_00_000 / 61345_00_000 / 61365_00_000



Lifting capacities Forces de levage

TYVEF

		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*					
		79 ft				79 ft				79 ft				79 ft				79 ft				79 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
38	48.5																									38	
40	47.4																									40	
45	44.9					45.3				44.6																45	
50	42.5					43.1				43				42.5												50	
55	40.4					41				41.1				41				40.2								55	
60	38.4					39.1				39.3				39.4				38.6				36.7				60	
65	36.5 24					37.4				37.6				37.8				37.2				35.8				65	
70	34.8 23.1					35.6 23.5				36.1				36.4				35.8				34.5				70	
75	33.3 22.2					34.1 22.6				34.6 22.8				35 22.9				34.5				33.4				75	
80	31.8 21.5					32.8 21.9				33.2 22.1				33.7 22.4				33.4 22.2				32.3				80	
85	30.3 20.8 14.9					31.4 21.2				32 21.4				32.4 21.7				32.2 21.7				31.3 21.3				85	
90	29.1 20.1 14.5					30.1 20.5 14.6				30.8 20.8				31.3 21.1				31.1 21.1				30.4 20.8				90	
95	27.8 19.4 14.1					29 19.9 14.3				29.6 20.2 14.3				30.3 20.5 14.4				30.2 20.6				29.5 20.3				95	
100	26.6 18.8 13.8 8.9					28 19.3 14 8.9				28.6 19.6 14				29.2 20 14.1				29.3 20 14.1				28.6 19.8				100	
105	25.5 18.1 13.5 8.8					26.9 18.7 13.7 8.8				27.6 19.1 13.8 8.8				28.2 19.4 13.9				28.4 19.5 13.8				27.8 19.3 13.7				105	
110	24.5 17.6 13.2 8.7					25.9 18.1 13.4 8.7				26.7 18.5 13.5 8.7				27.3 18.9 13.6 8.7				27.5 19 13.6 8.6				27.1 18.8 13.5				110	
115	23.4 17 12.9 8.6					24.9 17.6 13.1 8.6				25.8 18 13.2 8.6				26.5 18.4 13.3 8.6				26.7 18.5 13.4 8.6				26.3 18.4 13.2 8.5				115	
120	22.4 16.5 12.7 8.5					24 17.1 12.9 8.5				24.9 17.5 13 8.5				25.6 17.9 13.1 8.5				25.9 18 13.2 8.5				25.6 17.9 13 8.4				120	
125	21.6 16 12.4					23 16.6 12.6 8.5				24.1 17 12.8 8.5				24.9 17.4 12.9 8.5				25.1 17.6 12.9 8.4				24.9 17.5 12.9 8.4				125	
130	20.8 15.5 12.2					22.1 16.1 12.4				23.3 16.6 12.6 8.4				24.1 17 12.7 8.4				24.4 17.1 12.7 8.4				24.2 17.1 12.7 8.3				130	
135	20 15.1 12					21.3 15.7 12.2				22.4 16.1 12.4				23.4 16.5 12.5 8.4				23.7 16.7 12.5 8.3				23.6 16.7 12.5 8.3				135	
140	19.2 14.7 11.8					20.6 15.3 12				21.7 15.7 12.2				22.6 16.1 12.3				22.8 16.4 12.3 8.3				22.5 16.4 12.3 8.2				140	
145	18.5 14.3 11.6					19.8 14.9 11.8				20.9 15.3 12				21.9 15.7 12.1				22.2 16 12.2				21.4 16 12.2 8.2				145	
150	17.8 14 11.5					19.1 14.5 11.7				20.2 14.9 11.8				21.1 15.4 12				21.3 15.6 12				19.9 15.7 12 8.2				150	
155	17.1 13.6 11.3					18.4 14.2 11.5				19.4 14.6 11.7				20.3 15 11.8				20.4 15.3 11.9				18.4 15.4 11.9 8.2				155	
160	16.4 13.3 11.2					17.8 13.8 11.4				18.7 14.3 11.5				19.6 14.7 11.7				19 15 11.7				17 15.1 11.7				160	
165	15.8 13 11.1					17.2 13.5 11.3				18 14 11.4				18.8 14.4 11.5				17.6 14.6 11.6				15.6 14.8 11.6				165	
170	15.3 12.8					16.6 13.3 11.1				17.5 13.7 11.3				17.8 14.1 11.4				16.3 14.3 11.5				14.3 14.5 11.5				170	
175	14.7 12.5					15.9 13 11.1				16.9 13.4 11.2				16.6 13.8 11.3				15.1 14.1 11.4				13.1 14.2 11.4				175	
180	14.2 12.2					14.8 12.7				16.3 13.1 11.1				15.4 13.5 11.2				13.9 13.8 11.3				12 13.9 11.3				180	
185	13.7 12					13.7 12.5				15.6 12.9 11				14.2 13.3 11.1				12.8 13.4 11.2				10.9 13.5 11.2				185	
190	13.1 11.9					12.5 12.3				14.7 12.7				13.2 13 11				11.7 13.2 11.1				9.8 12.5 11.1				190	
195	12.1 11.7					11.3 12.1				13.5 12.4				12.1 12.7 10.9				10.7 12.7 11				8.9 11.5 11				195	
200	11					10.2 11.8				12.4 12.2				11.1 12.5				9.8 12 10.9				7.9 10.4 10.9				200	
205	9.9					9.2 10.8				11.4 11.9				10.2 11.9				8.8 11 10.9				7 9.4 10.8				205	
210	8.9					8.2 9.7				10.3 11.6				9.2 11				7.9 10 10.7				6.2 8.4 10				210	
215	6.6					7.3				9.4 11				8.4 10.1				7.1 9.1				5.3 7.5 9.1				215	
220						6.5				8.5 9.9				7.5 9.1				6.3 8.2				4.5 6.6 8				220	
225						5.5				7.8 9				6.7 8.1				5.4 7.2				3.6 5.7 7.1				225	
230						3.7				7 4.4				5.9 7.3				4.7 6.4				4.9				230	
235										6.3				5.1 6.5				3.9 5.6				4				235	
240										5.5				4.3 5.6				3.1 4.7				3.2				240	
245										4.1				3.4 4.7				3.9								245	
250														2.6				3								250	

* adapter · pièce d'adaptateur

t_180_61405_00_000 / 61425_00_000 / 61445_00_000 / 61465_00_000



Lifting capacities Forces de levage

TYVEF

		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*					
		98 ft				98 ft				98 ft				98 ft				98 ft				98 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
45	35					34.9																				45	
50	33.2					33.2				32.7																50	
55	31.5					31.6				31.5				31.3												55	
60	29.9					30.1				30.1				30.1				29.5								60	
65	28.6					28.8				28.8				28.9				28.4				26.9				65	
70	27.2					27.6				27.6				27.7				27.4				26.4				70	
75	26	17.6				26.4				26.6				26.7				26.4				25.5				75	
80	25	16.9				25.3	17			25.6				25.8				25.4				24.7				80	
85	23.9	16.2				24.4	16.4			24.6	16.5			24.8				24.6				23.9				85	
90	22.9	15.5				23.4	15.8			23.7	15.9			23.9	16.1			23.8				23.2				90	
95	22	14.9				22.5	15.2			22.9	15.3			23.2	15.5			23	15.5			22.5				95	
100	21.1	14.4	10			21.7	14.6			22.1	14.8			22.4	15			22.3	15			21.8	14.8			100	
105	20.2	13.8	9.7			20.9	14.1	9.8		21.3	14.3			21.7	14.6			21.6	14.5			21.2	14.4			105	
110	19.4	13.3	9.5			20.2	13.6	9.5		20.6	13.9	9.5		20.9	14.1	9.6		21	14.1			20.6	14			110	
115	18.6	12.9	9.2	5.8		19.4	13.2	9.3		19.9	13.4	9.3		20.3	13.7	9.4		20.3	13.7	9.3		20	13.6			115	
120	17.8	12.4	9	5.7		18.7	12.8	9.1	5.7	19.2	13	9.1		19.6	13.3	9.2		19.7	13.3	9.1		19.4	13.2	9		120	
125	17	12	8.7	5.7		18	12.3	8.9	5.7	18.5	12.6	8.9	5.6	19	12.9	9	5.6	19.1	13	8.9		18.9	12.9	8.8		125	
130	16.3	11.6	8.6	5.6		17.2	12	8.7	5.6	17.9	12.2	8.7	5.6	18.3	12.5	8.8	5.6	18.5	12.6	8.8	5.5	18.3	12.5	8.7		130	
135	15.6	11.2	8.4	5.6		16.5	11.6	8.5	5.6	17.3	11.9	8.5	5.5	17.8	12.2	8.6	5.5	18	12.3	8.6	5.5	17.8	12.2	8.5	5.4	135	
140	15	10.9	8.2	5.5		15.8	11.2	8.3	5.5	16.7	11.6	8.4	5.5	17.2	11.8	8.5	5.5	17.4	12	8.5	5.4	17.3	11.9	8.4	5.4	140	
145	14.3	10.6	8			15.3	10.9	8.1	5.5	16	11.2	8.2	5.4	16.7	11.5	8.3	5.4	16.9	11.7	8.3	5.4	16.8	11.6	8.2	5.3	145	
150	13.7	10.3	7.9			14.7	10.6	8		15.5	10.9	8.1	5.4	16.1	11.2	8.2	5.4	16.4	11.4	8.2	5.4	16.3	11.3	8.1	5.3	150	
155	13.2	10	7.7			14.1	10.3	7.8		14.9	10.6	7.9		15.6	10.9	8	5.4	15.9	11.1	8	5.3	15.8	11.1	8	5.3	155	
160	12.6	9.7	7.6			13.5	10.1	7.7		14.4	10.3	7.8		15.1	10.6	7.9		15.5	10.8	7.9	5.3	15.4	10.8	7.9	5.3	160	
165	12.1	9.4	7.5			13	9.8	7.6		13.8	10.1	7.7		14.6	10.4	7.8		15	10.5	7.8		15.1	10.6	7.8	5.3	165	
170	11.6	9.2	7.4			12.6	9.5	7.5		13.3	9.8	7.6		14.1	10.1	7.7		14.6	10.3	7.7		14.7	10.3	7.7	5.2	170	
175	11.1	8.9	7.4			12.1	9.3	7.4		12.9	9.6	7.5		13.6	9.9	7.6		14.1	10	7.6		14.3	10.1	7.6	5.2	175	
180	10.7	8.7	7.3			11.7	9.1	7.4		12.4	9.4	7.4		13.2	9.6	7.5		13.7	9.8	7.6		13.9	9.9	7.5		180	
185	10.3	8.5	7.2			11.2	8.9	7.3		12	9.1	7.4		12.7	9.4	7.4		13.3	9.6	7.5		13.5	9.7	7.5		185	
190	9.9	8.3				10.8	8.6	7.3		11.6	8.9	7.3		12.3	9.2	7.4		12.8	9.4	7.4		13.1	9.5	7.4		190	
195	9.6	8.1				10.4	8.5	7.2		11.2	8.7	7.2		12	9	7.3		12.4	9.2	7.3		12.8	9.3	7.3		195	
200	9.2	8				10.1	8.3			10.8	8.6	7.2		11.6	8.8	7.2		12.1	9	7.2		12.4	9.1	7.3		200	
205	8.9	7.9				9.7	8.1			10.5	8.4	7.1		11.2	8.6	7.2		11.7	8.8	7.2		12	8.9	7.2		205	
210	8.6	7.7				9.4	8			10.1	8.2			10.8	8.5	7.1		11.4	8.7	7.1		11.7	8.8	7.1		210	
215	8.3	7.6				9.1	7.8			9.8	8.1			10.5	8.3	7.1		10.9	8.5	7.1		11.2	8.6	7.1		215	
220	8					8.8	7.7			9.5	7.9			10.2	8.2			10.6	8.3	7.1		10.6	8.4	7.1		220	
225	7.7					8.5	7.6			9.2	7.8			9.8	8			10.3	8.2	7		9.8	8.3	7		225	
230	6.9					8.2	7.5			8.9	7.7			9.5	7.9			9.9	8.1	7		9	8.2	7		230	
235	4.2					7.5				8.6	7.6			9.2	7.8			9.5	7.9			8.2	8	7		235	
240						6.3				8.3	7.5			8.9	7.7			9.1	7.8			7.4	7.9	7		240	
245						4.2				8.1	7.5			8.6	7.6			8.3	7.7			6.7	7.7			245	
250										7.3	7.2			8.2	7.5			7.5	7.6			5.9	7.4			250	
255										6.2				7.1	7.4			6.6	7.5			5.2	7.1			255	
260										4.2				5.8	7.4			5.8	7.1			4.5	6.5			260	
265														4.4	6.9			4.8	6.7			3.8	5.7			265	
270																		3.7	6			2.9	4.9			270	
275																			5				4.2			275	
280																			3.9				3.4			280	

* adapter · pièce d'adaptateur

t_180_61501_00_000 / 61521_00_000 / 61541_00_000 / 61561_00_000



Lifting capacities Forces de levage

TYVEF

		132 + 20 ft*				149 + 20 ft*				165 + 20 ft*				182 + 20 ft*				198 + 20 ft*				215 + 20 ft*					
		98 ft				98 ft				98 ft				98 ft				98 ft				98 ft					
		0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
40	36.9																									40	
45	35					34.9																				45	
50	33.2					33.2				32.7																50	
55	31.5					31.6				31.5				31.3												55	
60	29.9					30.1				30.1				30.1				29.5								60	
65	28.6					28.8				28.8				28.9				28.4				26.9				65	
70	27.2					27.6				27.6				27.7				27.4				26.4				70	
75	26	17.6				26.4				26.6				26.7				26.4				25.5				75	
80	25	16.9				25.3	17			25.6				25.8				25.4				24.7				80	
85	23.9	16.2				24.4	16.4			24.6	16.5			24.8				24.6				23.9				85	
90	22.9	15.5				23.4	15.8			23.7	15.9			23.9	16.1			23.8				23.2				90	
95	22	14.9				22.5	15.2			22.9	15.3			23.2	15.5			23	15.5			22.5				95	
100	21.1	14.4	10			21.7	14.6			22.1	14.8			22.4	15			22.3	15			21.8	14.8			100	
105	20.2	13.8	9.7			20.9	14.1	9.8		21.3	14.3			21.7	14.6			21.6	14.5			21.2	14.4			105	
110	19.4	13.3	9.5			20.2	13.6	9.5		20.6	13.9	9.5		20.9	14.1	9.6		21	14.1			20.6	14			110	
115	18.6	12.9	9.2	5.8		19.4	13.2	9.3		19.9	13.4	9.3		20.3	13.7	9.4		20.3	13.7	9.3		20	13.6			115	
120	17.8	12.4	9	5.7		18.7	12.8	9.1	5.7	19.2	13	9.1		19.6	13.3	9.2		19.7	13.3	9.1		19.4	13.2	9		120	
125	17	12	8.7	5.7		18	12.3	8.9	5.7	18.5	12.6	8.9	5.6	19	12.9	9	5.6	19.1	13	8.9		18.9	12.9	8.8		125	
130	16.3	11.6	8.6	5.6		17.2	12	8.7	5.6	17.9	12.2	8.7	5.6	18.3	12.5	8.8	5.6	18.5	12.6	8.8	5.5	18.3	12.5	8.7		130	
135	15.6	11.2	8.4	5.6		16.5	11.6	8.5	5.6	17.3	11.9	8.5	5.5	17.8	12.2	8.6	5.5	18	12.3	8.6	5.5	17.8	12.2	8.5	5.4	135	
140	15	10.9	8.2	5.5		15.8	11.2	8.3	5.5	16.7	11.6	8.4	5.5	17.2	11.8	8.5	5.5	17.4	12	8.5	5.4	17.3	11.9	8.4	5.4	140	
145	14.3	10.6	8			15.3	10.9	8.1	5.5	16	11.2	8.2	5.4	16.7	11.5	8.3	5.4	16.9	11.7	8.3	5.4	16.8	11.6	8.2	5.3	145	
150	13.7	10.3	7.9			14.7	10.6	8		15.5	10.9	8.1	5.4	16.1	11.2	8.2	5.4	16.4	11.4	8.2	5.4	16.3	11.3	8.1	5.3	150	
155	13.2	10	7.7			14.1	10.3	7.8		14.9	10.6	7.9		15.6	10.9	8	5.4	15.9	11.1	8	5.3	15.8	11.1	8	5.3	155	
160	12.6	9.7	7.6			13.5	10.1	7.7		14.4	10.3	7.8		15.1	10.6	7.9		15.5	10.8	7.9	5.3	15.4	10.8	7.9	5.3	160	
165	12.1	9.4	7.5			13	9.8	7.6		13.8	10.1	7.7		14.6	10.4	7.8		15	10.5	7.8		15	10.6	7.8	5.3	165	
170	11.6	9.2	7.4			12.6	9.5	7.5		13.3	9.8	7.6		14.1	10.1	7.7		14.3	10.3	7.7		14.1	10.3	7.7	5.2	170	
175	11.1	8.9	7.4			12.1	9.3	7.4		12.9	9.6	7.5		13.6	9.9	7.6		13.9	10	7.6		13.2	10.1	7.6	5.2	175	
180	10.7	8.7	7.3			11.7	9.1	7.4		12.4	9.4	7.4		13.1	9.6	7.5		13.5	9.8	7.6		12.1	9.9	7.5		180	
185	10.3	8.5	7.2			11.2	8.9	7.3		12	9.1	7.4		12.6	9.4	7.4		12.9	9.6	7.5		11.1	9.7	7.5		185	
190	9.9	8.3				10.8	8.6	7.3		11.5	8.9	7.3		12.1	9.2	7.4		11.9	9.4	7.4		10.1	9.5	7.4		190	
195	9.6	8.1				10.4	8.5	7.2		11.1	8.7	7.2		11.8	9	7.3		10.9	9.2	7.3		9.1	9.3	7.3		195	
200	9.2	8				10.1	8.3			10.7	8.6	7.2		11.2	8.8	7.2		10	9	7.2		8.2	9.1	7.3		200	
205	8.9	7.9				9.6	8.1			10.3	8.4	7.1		10.4	8.6	7.2		9.1	8.8	7.2		7.3	8.9	7.2		205	
210	8.6	7.7				9.1	8			10	8.2			9.6	8.5	7.1		8.2	8.6	7.1		6.4	8.7	7.1		210	
215	8.3	7.6				8.4	7.8			9.6	8.1			8.8	8.3	7.1		7.4	8.4	7.1		5.6	8.2	7.1		215	
220	8					7.6	7.7			9	7.9			8	8.1			6.6	8.3	7.1		4.8	7.5	7.1		220	
225	7.5					6.7	7.6			8.4	7.8			7.2	8			5.8	7.9	7		4	6.6	7		225	
230	6.8					6	7.2			7.8	7.7			6.4	7.8			5.1	7.3	7			5.8	7		230	
235	4.2					5.1				7.1	7.6			5.7	7.4			4.4	6.6				5	6.5		235	
240						4.2				6.4	7.5			5	6.7			3.7	5.8				4.3	5.9		240	
245						3.4				5.7	6.9			4.3	6			2.9	5				3.4			245	
250										4.9				3.6	5.3				4.3							250	
255										4.2				2.8	4.5				3.5							255	
260										3.5					3.7				2.7							260	
265															2.8											265	

* adapter · pièce d'adaptateur

t_180_61505_00_000 / 61525_00_000 / 61545_00_000 / 61565_00_000



Lifting capacities Forces de levage

TYVEF

132 – 198 ft T Y 11.5 ft V E 138 ft F 360° 308600 lbs 85%															
ft	132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*		ft
	138 ft			138 ft			138 ft			138 ft			138 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
50	22.4														50
55	21.3			21.1											55
60	20.3			20.2			20.2			19.9					60
65	19.3			19.3			19.4			19.3					65
70	18.5			18.5			18.6			18.5			18		70
75	17.7			17.7			17.8			17.8			17.3		75
80	16.9			17			17.1			17.1			16.7		80
85	16.1			16.3			16.4			16.4			16.1		85
90	15.5			15.6			15.8			15.9			15.6		90
95	14.8	10		15			15.2			15.3			15		95
100	14.2	9.6		14.5	9.7		14.6			14.7			14.5		100
105	13.6	9.2		13.9	9.3		14.1	9.5		14.2			14.1		105
110	13.1	8.9		13.3	9		13.6	9.1		13.8	9.2		13.6		110
115	12.6	8.5		12.8	8.7		13.1	8.8		13.3	8.9		13.1	8.8	115
120	12.1	8.2		12.4	8.3		12.6	8.5		12.8	8.6		12.7	8.5	120
125	11.6	7.9		11.9	8		12.2	8.2		12.4	8.3		12.3	8.3	125
130	11.1	7.5		11.5	7.7		11.8	7.9		12	8		11.9	8	130
135	10.7	7.3	5.1	11.1	7.4	5.1	11.4	7.6		11.6	7.7		11.6	7.7	135
140	10.2	7	5	10.7	7.2	5	11	7.4	5	11.2	7.5		11.2	7.5	140
145	9.7	6.8	4.8	10.3	7	4.9	10.6	7.1	4.9	10.9	7.3	4.9	10.9	7.2	145
150	9.3	6.5	4.7	9.9	6.7	4.7	10.3	6.9	4.8	10.5	7	4.8	10.5	7	150
155	8.9	6.3	4.6	9.4	6.5	4.6	9.9	6.7	4.7	10.2	6.8	4.7	10.2	6.9	155
160	8.5	6.1	4.5	9	6.3	4.5	9.5	6.5	4.6	9.8	6.6	4.6	9.9	6.7	160
165	8.2	5.9	4.3	8.7	6.1	4.4	9.2	6.3	4.4	9.5	6.4	4.5	9.6	6.5	165
170	7.8	5.7	4.2	8.3	5.9	4.3	8.8	6.1	4.3	9.2	6.3	4.4	9.3	6.3	170
175	7.4	5.5	4.1	8	5.7	4.2	8.5	5.9	4.3	8.9	6.1	4.3	9	6.1	175
180	7.2	5.4	4	7.7	5.6	4.1	8.2	5.8	4.2	8.6	5.9	4.2	8.7	6	180
185	6.9	5.2	3.9	7.4	5.4	4	7.9	5.6	4.1	8.3	5.7	4.1	8.5	5.8	185
190	6.6	5.1	3.9	7.1	5.2	3.9	7.6	5.4	4	8	5.6	4.1	8.2	5.7	190
195	6.4	4.9	3.8	6.8	5.1	3.8	7.3	5.3	3.9	7.7	5.4	4	7.9	5.5	195
200	6.1	4.7	3.7	6.6	5	3.8	7	5.1	3.8	7.5	5.3	3.9	7.6	5.4	200
205	5.8	4.6	3.6	6.4	4.8	3.7	6.8	5	3.8	7.2	5.2	3.8	7.4	5.3	205
210	5.6	4.5	3.6	6.1	4.7	3.6	6.6	4.9	3.7	6.9	5	3.8	7.2	5.1	210
215	5.4	4.4	3.5	5.9	4.6	3.6	6.4	4.7	3.6	6.7	4.9	3.7	7	5	215
220	5.2	4.2	3.5	5.7	4.4	3.5	6.1	4.6	3.6	6.5	4.8	3.7	6.7	4.9	220
225	5	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.3	4.7	3.6	6.5	4.8	225
230	4.8	4		5.3	4.2	3.4	5.7	4.4	3.5	6.1	4.5	3.5	6.3	4.7	230
235	4.6	3.9		5.1	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.1	4.5	235
240	4.5	3.9		4.9	4		5.3	4.2	3.4	5.7	4.4	3.5	6	4.4	240
245	4.3	3.8		4.7	3.9		5.2	4.1	3.4	5.5	4.3	3.4	5.8	4.3	245
250	4.1	3.7		4.6	3.9		5	4		5.4	4.2	3.4	5.6	4.3	250
255	4	3.6		4.4	3.8		4.8	3.9		5.2	4.1	3.4	5.4	4.2	255
260	3.8			4.3	3.7		4.6	3.8		5	4		5.2	4.1	260
265	3.7			4.1	3.6		4.5	3.8		4.9	3.9		5.1	4	265
270				3.9			4.3	3.7		4.7	3.8		4.9	3.9	270
275				3.6			4.2	3.6		4.5	3.8		4.7	3.9	275
280							4	3.6		4.4	3.7		4.5	3.8	280
285							3.7			4.2	3.6		4.2	3.7	285
290							3.4			3.5	3.6		3.5	3.7	290
295										2.8	3.5			3.4	295
300											3.5				300
305											2.6				305

* adapter · pièce d'adaptateur

t_180_61701_00_000 / 61721_00_000 / 61741_00_000



Lifting capacities Forces de levage

TYVEF

132 – 198 ft T 11.5 ft V 138 ft F 360° 220500 lbs 85%															
ft	132 + 20 ft*			149 + 20 ft*			165 + 20 ft*			182 + 20 ft*			198 + 20 ft*		ft
	138 ft			138 ft			138 ft			138 ft			138 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
50	22.4														50
55	21.3			21.1											55
60	20.3			20.2			20.2			19.9					60
65	19.3			19.3			19.4			19.3					65
70	18.5			18.5			18.6			18.5			18		70
75	17.7			17.7			17.8			17.8			17.3		75
80	16.9			17			17.1			17.1			16.7		80
85	16.1			16.3			16.4			16.4			16.1		85
90	15.5			15.6			15.8			15.9			15.6		90
95	14.8	10		15			15.2			15.3			15		95
100	14.2	9.6		14.5	9.7		14.6			14.7			14.5		100
105	13.6	9.2		13.9	9.3		14.1	9.5		14.2			14.1		105
110	13.1	8.9		13.3	9		13.6	9.1		13.8	9.2		13.6		110
115	12.6	8.5		12.8	8.7		13.1	8.8		13.3	8.9		13.1	8.8	115
120	12.1	8.2		12.4	8.3		12.6	8.5		12.8	8.6		12.7	8.5	120
125	11.6	7.9		11.9	8		12.2	8.2		12.4	8.3		12.3	8.3	125
130	11.1	7.5		11.5	7.7		11.8	7.9		12	8		11.9	8	130
135	10.7	7.3	5.1	11.1	7.4	5.1	11.4	7.6		11.6	7.7		11.6	7.7	135
140	10.2	7	5	10.7	7.2	5	11	7.4	5	11.2	7.5		11.2	7.5	140
145	9.7	6.8	4.8	10.3	7	4.9	10.6	7.1	4.9	10.9	7.3	4.9	10.9	7.2	145
150	9.3	6.5	4.7	9.9	6.7	4.7	10.3	6.9	4.8	10.5	7	4.8	10.5	7	150
155	8.9	6.3	4.6	9.4	6.5	4.6	9.9	6.7	4.7	10.2	6.8	4.7	10.2	6.9	155
160	8.5	6.1	4.5	9	6.3	4.5	9.5	6.5	4.6	9.8	6.6	4.6	9.9	6.7	160
165	8.2	5.9	4.3	8.7	6.1	4.4	9.2	6.3	4.4	9.5	6.4	4.5	9.6	6.5	165
170	7.8	5.7	4.2	8.3	5.9	4.3	8.8	6.1	4.3	9.2	6.3	4.4	9.3	6.3	170
175	7.4	5.5	4.1	8	5.7	4.2	8.5	5.9	4.3	8.9	6.1	4.3	9	6.1	175
180	7.2	5.4	4	7.7	5.6	4.1	8.2	5.8	4.2	8.6	5.9	4.2	8.7	6	180
185	6.9	5.2	3.9	7.4	5.4	4	7.9	5.6	4.1	8.3	5.7	4.1	8.5	5.8	185
190	6.6	5.1	3.9	7.1	5.2	3.9	7.6	5.4	4	8	5.6	4.1	8.2	5.7	190
195	6.4	4.9	3.8	6.8	5.1	3.8	7.3	5.3	3.9	7.7	5.4	4	7.9	5.5	195
200	6.1	4.7	3.7	6.6	5	3.8	7	5.1	3.8	7.5	5.3	3.9	7.6	5.4	200
205	5.8	4.6	3.6	6.4	4.8	3.7	6.8	5	3.8	7.2	5.2	3.8	7.4	5.3	205
210	5.6	4.5	3.6	6.1	4.7	3.6	6.6	4.9	3.7	6.9	5	3.8	7.1	5.1	210
215	5.4	4.4	3.5	5.9	4.6	3.6	6.4	4.7	3.6	6.7	4.9	3.7	6.9	5	215
220	5.2	4.2	3.5	5.7	4.4	3.5	6.1	4.6	3.6	6.5	4.8	3.7	6.6	4.9	220
225	5	4.1	3.4	5.5	4.3	3.5	5.9	4.5	3.5	6.2	4.7	3.6	6.4	4.8	225
230	4.8	4		5.3	4.2	3.4	5.7	4.4	3.5	6	4.5	3.5	6	4.7	230
235	4.6	3.9		5.1	4.1	3.4	5.4	4.3	3.5	5.8	4.5	3.5	5.4	4.5	235
240	4.5	3.9		4.9	4		5.3	4.2	3.4	5.6	4.4	3.5	4.8	4.4	240
245	4.3	3.8		4.7	3.9		5.1	4.1	3.4	5.2	4.3	3.4	4.2	4.3	245
250	4.1	3.7		4.5	3.9		4.9	4		4.7	4.2	3.4	3.5	4.2	250
255	4	3.6		4.2	3.8		4.7	3.9		4.2	4	3.4	2.9	4.1	255
260	3.8			3.6	3.7		4.5	3.8		3.7	4			3.6	260
265	3.7			2.9	3.6		4.2	3.8		3.1	3.9			2.9	265
270							3.9	3.7		2.5	3.6				270
275							3.4	3.6			3				275
280							2.8	3.6							280

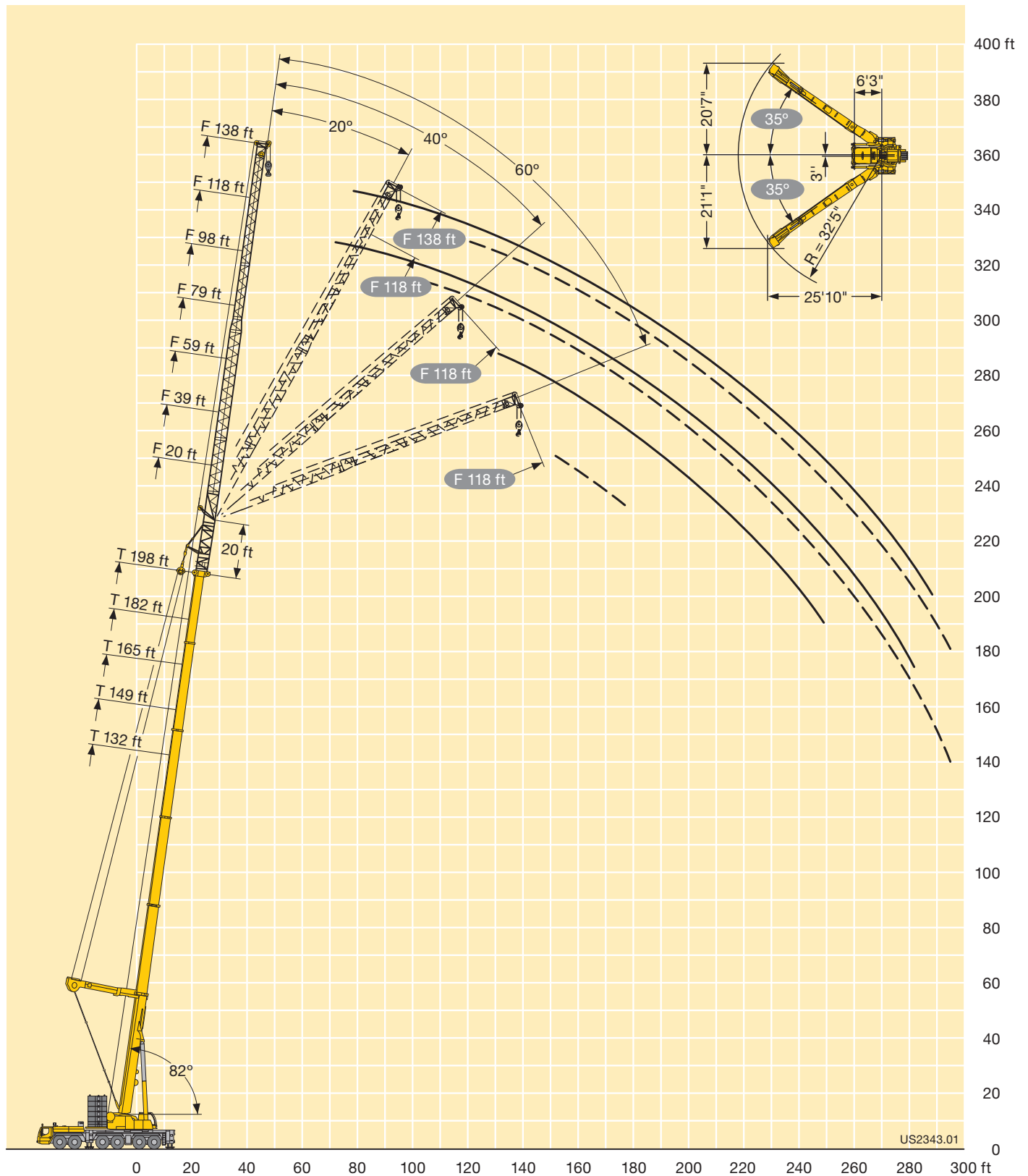
* adapter · pièce d'adaptateur

t_180_61705_00_000 / 61725_00_000 / 61745_00_000



Lifting heights Hauteurs de levage

TYVEF





Lifting capacities Forces de levage

TN

		 49 – 149 ft T			 39 ft N						 360°			 220500 lbs			 85%				
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*		 ft
	39 ft**			39 ft**			39 ft**			39 ft**			39 ft**			39 ft**			39 ft**		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	75°	68°	
22	156.1																				22
24	156.1																				24
26	156.1				156.1																26
28	156.1				156.1																28
30	155.6				155.8			142.3													30
32	153.5				154.6			143.2													32
34	150.1				152.9			143.4			117.6										34
36	145.6	147.8			150.9			143			117.9										36
38	139.7	142.1			147.3	149.4		141.5			118.1			98.5			75.1				38
40	132.9	136.7			142.5	148.2		140			118.3			98.6			75				40
42	124.2	132.3			135.2	144.7		138.9			118.7			98.7			74.9			57.9	42
44		128.6	129.3		127.1	140.7		135.4	136.9		119.3			99			74.9			57.9	44
46		125.2	128			136.6			135.8		119.9			99.3			74.9			57.8	46
48		121	123.8			133.2			132.9		119.5			99.8			74.6			57.8	48
50			119.5		129.9	127.1		130		119.2	114			100.3			74.4			57.8	50
55						119.2		120.9			112				94.6					57.8	55
60						109					106.8				93.9						60
65									96.3		98.3				93.2			62.1			65
70												84.8					59			49.4	70
75												79				76.2				47.5	75
80																71.2					80
85																66.5			45.8		85
90																		43.3			90

* adapter - pièce d'adaptateur

t_180_54105_00_000

** Hookblock with deadweight of 6615 lbs necessary - Moufle à crochet de poids minimal de 6615 lbs nécessaire



Lifting capacities Forces de levage

TN

49–215 ft 59 ft T 59 ft N N 360° 360° 220500 lbs 220500 lbs 85% 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
28	130.7															28
30	130.1															30
32	128.4			121.7												32
34	126.6			121.6												34
36	124.7			121			108.4									36
38	122.7			119.6			108.3			90.5						38
40	120.7			118.1			108.3			90.5						40
42	119			116.6			108.3			90.5			76.9			42
44	117.2	117.7		115.2			107.8			90.5			76.9			44
46	115.6	115.5		114			107.2			90.5			76.9			46
48	114.3	113.3		113			106.4			90.5			76.9			48
50	113.1	111		112	111		105.6			90.5			76.9			50
55	109.5	105.4		110.2	107.6		104.2	103.1		90.5			76.9			55
60	104	100.1	100.2	107.5	104.2		103.3	100.4		90.5	87.7		76.9			60
65		97.3	93.7	98.3	101.9	99.2	102.6	98		90.5	88.1		76.9	74.6		65
70			89.4		96.3	92.7		93.3		90.5	87.5		76.9	74.5		70
75						86.3		87.6	82.6		84.2			74.3		75
80						80.6			77.2		79.1	73.2		73.7		80
85									72.5		74.1	68.6		72.2		85
90												64.4			61.8	90
95												60.5			58.1	95
100															54.6	100

* adapter - pièce d'adaptateur

*** Hookblock with deadweight of 3200 lbs necessary - Moufle à crochet de poids minimal de 3200 lbs nécessaire

t_180_54205_00_000

49–215 ft T 59 ft N 360° 220500 lbs 85%																
ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*		198 + 11.5 ft*		215 + 11.5 ft*		ft
	59 ft***			59 ft***			59 ft***			59 ft***		59 ft***		59 ft***		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	82°		
44	59.7															44
46	59.7															46
48	59.6															48
50	59.6			45.8			34.7									50
55	59.6			45.7			34.6			25.4		18				55
60	59.5			45.7			34.5			25.3		18				60
65	59.4			45.7			34.4			25.3		17.9		11.9		65
70	58.8	54.1		45.7			34.4			25.2		17.9		11.8		70
75		52.7		45.7	42		34.4			25.2		17.9		11.7		75
80		50.6			41.3							17.9		11.6		80
85		48.5			40			30.9				17.9		11.5		85
90		46.7			38.7			30			22.4					90
95			40		37.5			29.1			22					95
100			38.3			31.7					21.4			15.8		100
105			36.5			30.9							15.4			105
110			35			29.5				22.3			15			110
115									21.6							115

* adapter - pièce d'adaptateur

*** Hookblock with deadweight of 3200 lbs necessary - Moufle à crochet de poids minimal de 3200 lbs nécessaire

t_180_54205_00_000



Lifting capacities Forces de levage

TN

49 – 215 ft 79 ft T 79 ft N T 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	79 ft			79 ft			79 ft			79 ft			79 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
36	101.5															36
38	100.3			94.6												38
40	99.1			94.4												40
42	97.8			93.9			84.5									42
44	96.6			93.2			84.4			71.7						44
46	95.3			92.4			84.4			71.7						46
48	94.3			91.5			84.3			71.7						48
50	93.2	92.2		90.6			84.1			71.7						50
55	90.7	90.4		88.7			83.3			71.7			61.7			55
60	88.4	87.3		87	86.5		82			71.7			61.8			60
65	86.9	84.5		85.7	84.1		80.9	80		71.7			62			65
70	86.3	82.2	81.9	85.1	82.1		80.2	78.4		71.7	69.6		62.3			70
75	86.2	80.4	78.8	84.8	80.4	80	80	76.9		71.6	69.3		62.5			75
80	82.4	79.1	75.6	84.1	79.1	77.8	80	75.8		71.6	68.7		62.6	59.9		80
85		78.5	72.7	81.3	78.3	74.9	80	74.9	71.6	71.6	68.1		62.5	59.9		85
90			71.3		74	70.7		71.6	67.6	71.6	67.7	63.4	62.5	59.8		90
95						66.7		67.9	63.7		65.4	59.8		59.8	55.1	95
100									60		61.8	56.3		59	53.6	100
105									56.5			53.1			50.6	105
110												50.3			47.9	110
115												47.6			45.4	115
120															43.1	120

* adapter - pièce d'adaptateur

t 180 54305_00_00

* adapter · pièce d'adaptateur

t_180_54305_00_000

49 – 215 ft T 79 ft N 360° 220500 lbs 85%																		
ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			215 + 11.5 ft*		ft
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
50	48																	50
55	47.9			36.7			27											55
60	47.8			36.5			27											60
65	47.7			36.3			27			19.9			13.8					65
70	47.6			36.3			27			19.8			13.7			7.6		70
75	47.6			36.3			27			19.7			13.6			7.6		75
80	47.6			36.3			27			19.7			13.4			7.5		80
85	47.4	44		36.3	34.9		27			19.7			13.3			7.4		85
90	47.1	42.8		36.3	34.4		27			19.7			13.3			7.4		90
95		41.5		36.3	33.6		27	25		19.7			13.2			7.3		95
100		40.2	35.4		32.7			24.4			18		13.2			7.3		100
105		38.9	35.2		31.8			23.8			17.7							105
110		37.8	33.5		31			23.3			17.3			11.7				110
115			32.1		30.3	26.7		22.7			16.9			11.6			5.9	115
120			30.8			25.7			18.5		16.5			11.6			5.9	120
125						24.7			18.2					11.4			5.9	125
130						23.7			17.4					11.2			5.9	130
135									16.8				11.9					135
140													11.5			7.4		140
145																7.3		145
150																7		150

* adapter - pièce d'adaptateur

t 180 54305 00 00

* adapter · pièce d'adaptateur

t_180_54305_00_000



Lifting capacities Forces de levage

TN

49—215 ft

98 ft

360°

220500 lbs

85%

ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	98 ft			98 ft			98 ft			98 ft			98 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
42	78.7															42
44	78.1															44
46	77.4			73.3												46
48	76.8			73												48
50	76.1			72.8			65.9			56.9						50
55	74.5			71.9			65.8			56.7			49.2			55
60	73			70.7			65.7			56.5			49.2			60
65	71.6	70.5		69.7	68.7		65.2			56.3			49			65
70	70.4	68.8		68.7	67.5		64.6	63.4		56.3			48.9			70
75	69.4	67.3		67.9	66.2		64	62.7		56.2			48.9			75
80	68.9	66	65.2	67.4	65.1		63.5	61.8		56.2	54.7		48.9			80
85	68.7	64.8	63.5	67.3	64.1	63.3	63.3	60.9		56.2	54.7		48.9	47.2		85
90	68.7	64.1	62.1	67.2	63.4	62.1	63.3	60.3		56.2	54.5		48.9	47.2		90
95	65.2	63.9	61	67.2	63	60.9	63.3	59.8	58.6	56.2	54.1		48.9	47.2		95
100		63.9	60.1	64.8	62.7	59.9	63.3	59.5	57.4	56.2	53.9	52.7	48.9	47.2		100
105		63.9	59.7		62.2	58.9		59.4	55.9	56.2	53.7	52.1	48.9	47.2		105
110			57.9		59	55.8		56.8	52.9		53.6	49.4	48.9	47.2	45.7	110
115						52.9		54	50.2		51.7	46.8		47.2	44.4	115
120									47.6		49	44.4		46.7	42.4	120
125									45.2			42.2			40.3	125
130												40.2			38.4	130
135												38.3			36.6	135
140															34.9	140

* adapter · pièce d'adaptateur

t.180.54405.00.000

* adapter · pièce d'adaptateur

t_180_54405_00_000

49-215 ft 98 ft T 98 ft 360° N 220500 lbs 85%																	
ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			215 + 11.5 ft*	ft
	98 ft			98 ft			98 ft			98 ft			98 ft			98 ft	
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	
55	39																55
60	38.9																60
65	38.7			29			22.2										65
70	38.6			28.9			22.1			15.8			9.4				70
75	38.5			28.7			22			15.7			9.3			4.1	75
80	38.4			28.6			21.8			15.6			9.2			4	80
85	38.4			28.6			21.7			15.5			9.1			4	85
90	38.4	36.9		28.6			21.7			15.4			9			3.9	90
95	38.4	36.4		28.6	27.8		21.7			15.3			8.9			3.8	95
100	38.4	35.8		28.6	27.8		21.7	20.7		15.2			8.8			3.8	100
105	38.4	35.1		28.6	27.6		21.7	20.5		15.2			8.8			3.7	105
110	38.4	34.2		28.6	27.2		21.7	20.1		15.2	13.9		8.7			3.7	110
115		33.4	29.6	28.6	26.7		21.7	19.7		15.2	13.8		8.7	7.5		3.7	115
120		32.6	28.9		26.1	22.7		19.3			13.7		8.7	7.5		3.7	120
125		31.9	27.7		25.6	22.6		18.9			13.6			7.5			125
130		31.2	26.7		25.1	21.8		18.5			13.3			7.4			130
135			25.8		24.7	21		18.1	15		13			7.4			135
140			25			20.3			14.6		12.7	9.7		7.4			140
145						19.6			14			9.6		7.3			145
150						19			13.5			9.2		7.3			150
155									13			8.8			5.5		155
160												8.4			5.4		160
165															5.2		165
170															4.9		170

* adapter · pièce d'adaptateur

t.180.54405_00_000

* adapter · pièce d'adaptateur

t_180_54405_00_000



Lifting capacities Forces de levage

TN

49 – 199 ft T 118 ft N 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	118 ft			118 ft			118 ft			118 ft			118 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
50	61.8			57.6												50
55	61.3			57.3			52.3			45.4			39.8			55
60	60.3			57			52			45.3			39.8			60
65	59.2			57			51.7			45.1			39.5			65
70	58.1	57.4		56.3			51.5			45			39.4			70
75	57.2	56.5		55.6	54.9		51.4			44.8			39.3			75
80	56.4	55.4		55	54.1		51.3	50.2		44.7			39.2			80
85	55.6	54.3		54.3	53.3		51.1	50.1		44.7	43.4		39.2			85
90	55.1	53.4	52.7	53.9	52.4		50.7	49.6		44.7	43.2		39.1	38		90
95	54.2	52.5	51.8	53.5	51.7	51	50.4	49		44.7	43.1		39.1	37.9		95
100	52.9	51.8	50.7	52.6	51.1	50.4	49.8	48.5	47.6	44.7	43.1		39.1	37.8		100
105	51.3	51.3	49.8	51.1	50.6	49.5	48.8	48.1	47.3	44.7	43.1		39.1	37.7		105
110	49.7	50.6	49	49.6	50.3	48.7	47.4	47.7	46.6	44.6	43.1	42.4	39.1	37.7		110
115	48	49.6	48.5	48.1	49.6	48.1	46.1	47.5	46	44.2	43.1	42.2	39.1	37.7		115
120		48.3	48.1	46.7	48.5	47.7	44.8	47	45.5	43.4	43.1	41.8	39.1	37.7	36.9	120
125		46.8	47.8		47.3	47.2		45.8	44.9	42.6	43.1	41.4	39.1	37.7	37.1	125
130			46.8		46	45		44.6	42.8		43	39.7	39.1	37.7	37.2	130
135						42.9		43.5	40.8		41.9	38		37.7	35.9	135
140									39		40.2	36.2		37.6	34.3	140
145									37.2			34.6			32.7	145
150												33.1			31.3	150
155												31.7			30	155
160															28.7	160

* adapter · pièce d'adaptateur

t 180 54505 00 000

* adapter · pièce d'adaptateur

t_180_54505_00_000

49 – 199 ft T 118 ft N 360° 220500 lbs 85%																
ft	132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			198 + 11.5 ft*			ft
	118 ft			118 ft			118 ft			118 ft			118 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
65	31.8															65
70	31.7			23.2			17.9									70
75	31.5			23.1			17.8			11.6			5.9			75
80	31.4			23			17.7			11.5			5.8			80
85	31.3			22.9			17.6			11.3			5.7			85
90	31.3			22.8			17.6			11.2			5.6			90
95	31.3	30.1		22.8			17.5			11.1			5.5			95
100	31.3	30.1		22.8			17.5			11			5.5			100
105	31.3	30		22.8	22.1		17.4			10.9			5.4			105
110	31.3	29.7		22.8	22.1		17.4	16.3		10.9			5.4			110
115	31.3	29.4		22.8	22.2		17.3	16.2		10.8	9.7		5.3			115
120	31.3	29		22.8	22.1		17.3	16.1		10.8	9.6		5.3	4.2		120
125	31.3	28.5		22.8	22		17.3	16		10.7	9.6		5.3	4.2		125
130	31.3	28	25.1	22.8	21.7		17.3	15.9		10.7	9.5		5.3	4.1		130
135		27.4	24.3	22.8	21.4	18.9	17.3	15.7		10.7	9.4		5.3	4.1		135
140		26.9	23.4		21.1	18.5		15.4			9.4		5.3	4.1		140
145		26.4	22.6		20.7	17.9		15.1			9.4			4.1		145
150		26	21.9		20.4	17.4		14.8	12.2		9.4			4		150
155			21.2		20.2	16.8		14.5	11.8		9.4	7.5		4		155
160			20.6			16.3			11.3		9.4	7.3		4		160
165						15.8			10.9			7		4		165
170						15.4			10.5			6.7		4		170
175									10.1			6.4			3.5	175
180												6.2			3.5	180
185															3.4	185
190															3.2	190

* adapter · pièce d'adaptateur

t_180_54505_00_000



Lifting capacities Forces de levage

TN

		 49 – 182 ft			 138 ft						 360°			 220500 lbs			 85%											
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			 ft
	138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			138 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
55	49.1			46.2																							55	
60	48.7			46																							60	
65	48.7			45.6			41.9			36.6			32.3														65	
70	48.2			45.3			41.7			36.4			32.1			25.9			18.8								70	
75	47.5	46.8		45			41.4			36.3			31.9			25.9			18.7			13.9					75	
80	46.8	46.5		44.9			41.1			36.2			31.7			25.8			18.6			13.8					80	
85	46	45.6		44.7	44.1		40.8			36			31.6			25.7			18.5			13.6			7.8		85	
90	45.3	44.8		44.1	43.6		40.8	39.9		35.9	35.1		31.6			25.6			18.5			13.5			7.7		90	
95	44.3	44.1		43.5	43		40.8	39.8		35.9	35		31.6	30.6		25.5			18.4			13.3			7.6		95	
100	43.2	43.3	42.8	42.7	42.5		40.7	39.8		35.8	34.8		31.6	30.6		25.5	24.6		18.4			13.2			7.5		100	
105	41.6	42.4	42.2	41.5	41.9		40.4	39.8		35.7	34.7		31.6	30.6		25.5	24.6		18.3			13.1			7.4		105	
110	40.1	41.5	41.5	40.1	41.2	41	39.3	39.4		35.7	34.6		31.6	30.5		25.5	24.5		18.3	17.6		13			7.3		110	
115	38.6	40.3	40.8	38.7	40.4	40.4	38.2	39	38.5	35.7	34.6		31.6	30.5		25.5	24.5		18.3	17.6		12.9	11.9		7.3		115	
120	37.2	38.9	39.9	37.3	39.3	39.8	37	38.6	38.1	35.5	34.6		31.6	30.4		25.5	24.4		18.3	17.6		12.8	11.8		7.2	6.2	120	
125	35.9	37.5	38.9	36	38	39.2	35.9	38	37.7	34.8	34.6	33.9	31.6	30.4		25.5	24.3		18.3	17.6		12.7	11.7		7.1	6.2	125	
130	34.6	36.2	37.6	34.8	36.7	38.3	34.7	36.8	37.3	33.9	34.6	34	31.6	30.4	29.6	25.5	24.1		18.3	17.6		12.7	11.7		7.1	6.1	130	
135	33.5	34.9	36.4	33.7	35.5	37.2	33.7	35.7	36.8	33	34.5	33.9	31.5	30.4	29.5	25.5	23.8	21.8	18.3	17.6		12.6	11.6		7.1	6	135	
140		33.7	35.1	32.7	34.3	36.1	32.7	34.6	36.2	32.2	34.1	33.7	31.2	30.4	29.5	25.5	23.6	21.5	18.3	17.6		12.6	11.5		7.1	6	140	
145		32.7	33.9		33.2	34.9		33.6	35.5		33.2	33.5	30.6	30.4	29.5	25.5	23.3	20.8	18.3	17.6		12.6	11.5		7.1	6	145	
150			32.8		32.3	33.8		32.6	34.4		32.4	32.5	30.1	30.4	29.5	25.5	22.9	20.2	18.3	17.5	15.7	12.6	11.5		7.1	5.9	150	
155						32.8		31.7	33.4		31.6	31.2		30.4	29		22.5	19.6	18.3	17.4	15.2	12.6	11.5	10.3	7.1	5.9	155	
160									32.3		30.9	29.9		30.2	28.2		22.2	19		17.2	14.8		11.5	10.1		5.9	160	
165									30.9			28.6			27		21.8	18.4		17	14.4		11.5	9.7		5.9	165	
170												27.5			25.9		21.7	17.9		16.8	14		11.5	9.4		5.9	5.5	170
175															24.9			17.4		16.7	13.6		11.5	9		5.9	5.4	175
180																		17					8.7			5.9	5.3	180
185																							8.3				5.1	185
190																							8				4.9	190
195																								7.8			4.7	195
200																											4.5	200

* adapter - pièce d'adaptateur

t 180 54605 00 000

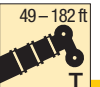
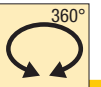
* adapter · pièce d'adaptateur

t_180_54605_00_000



Lifting capacities Forces de levage

TN

		 49–182 ft T			 157 ft N			 360°			 220500 lbs			 85%																
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			182 + 11.5 ft*			 ft		
	157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
65	39.3				37.1			34.1																				65		
70	38.9				36.8			33.9			29.8			26.3														70		
75	38.6				36.5			33.6			29.6			26.2			21.3			15.1								75		
80	38.4				36.2			33.4			29.4			26			21.2			15.1								80		
85	38.2				36			33.2			29.2			25.8			21.2			15			10.4			5.3		85		
90	37.9	37.5			35.8	35.1		33.1			29.1			25.7			21.1			14.9			10.3			5.2		90		
95	37.5	37			35.7	35		32.9	32.2		29			25.6			21			14.8			10.1			5.1		95		
100	37.1	36.5			35.6	34.9		32.8	32.1		29	28.3		25.5			21			14.8			10			5		100		
105	36.6	36			35.4	34.9		32.8	31.9		28.9	28.2		25.5			20.9			14.7			9.9			4.9		105		
110	36.3	35.5	34.8		35.3	34.6		32.7	31.8		28.9	28.1		25.5	24.8		20.9			14.7			9.8			4.8		110		
115	36	35.1	34.5		35.2	34.3	33.6	32.7	31.8		28.8	28		25.5	24.7		20.9	20.1		14.6			9.7			4.7		115		
120	35.8	34.7	34.2		35	34	33.4	32.7	31.8		28.8	27.9		25.5	24.7		20.9	20		14.6	14		9.6			4.7		120		
125	35.7	34.3	33.7		34.9	33.7	33.1	32.7	31.8	31.1	28.8	27.8		25.5	24.6		20.9	20		14.5	13.9		9.5			4.6		125		
130	35.7	34.1	33.2		34.8	33.4	32.7	32.7	31.6	31.1	28.8	27.8	27.2	25.5	24.6		20.9	20		14.5	13.8		9.4	8.6		4.6		130		
135	35.7	33.8	32.9		34.8	33.2	32.4	32.7	31.5	30.9	28.8	27.8	27.1	25.5	24.6		20.9	19.9		14.5	13.8		9.4	8.5		4.5	3.6	135		
140	35.7	33.7	32.6		34.8	33	32	32.7	31.4	30.6	28.8	27.8	27	25.5	24.6	23.9	20.9	19.9		14.5	13.7		9.3	8.4		4.5	3.6	140		
145	35.6	33.7	32.3		34.8	32.9	31.7	32.6	31.4	30.3	28.8	27.8	27	25.5	24.6	23.9	20.9	19.8		14.5	13.6		9.3	8.4		4.5	3.6	145		
150	35.2	33.7	32		34.8	32.9	31.5	32.6	31.3	30.1	28.8	27.8	27	25.5	24.6	23.8	20.9	19.7	18.2	14.5	13.6		9.3	8.4		4.5	3.5	150		
155	33.4	33.7	32		34.8	32.9	31.3	32.6	31.3	30	28.8	27.8	27	25.5	24.6	23.8	20.9	19.5	17.8	14.5	13.6	13	9.3	8.4		4.5	3.5	155		
160		33.7	32		33.5	32.9	31.3	32.6	31.3	29.9	28.8	27.8	27	25.5	24.6	23.8	20.9	19.4	17.4	14.5	13.6	12.9	9.3	8.4		4.5	3.5	160		
165		33.1	32			32.9	31.2		31.3	29.7		27.8	27	25.5	24.6	23.8	20.9	19.2	16.9	14.5	13.6	12.7	9.3	8.4		4.5	3.5	165		
170			32			32.9	30.9		31.3	29.1		27.8	26.7	25.5	24.6	23.8	20.9	18.9	16.5	14.5	13.6	12.4	9.3	8.4	8	4.5	3.5	170		
175							29.8		30.5	28		27.8	25.8		24.6	23.8		18.7	16		13.6	12.1	9.3	8.4	7.7	4.5	3.5	175		
180										26.9		27.5	24.8		24.6	23.4		18.4	15.6		13.6	11.8		8.4	7.5		3.5		180	
185										25.9						23.8		18.3	15.1		13.6	11.5		8.4	7.2		3.5	3.4	185	
190																22.9		18.2	14.7		13.6	11.2		8.4	6.9		3.5	3.5	190	
195																22					14.3		13.6	10.8		8.4	6.7	3.5	3.6	195
200																					13.9				10.5		6.5	3.5	3.5	200
205																									10.2		6.3		3.4	205
210																										6		3.2	210	
215																										5.9		3	215	
220																												2.8	220	

* adapter · pièce d'adaptateur

t_180_54705_00_000



Lifting capacities Forces de levage

TN

		 49 – 165 ft			 177 ft						 360°			 220500 lbs			 85%														
 ft		49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*			 ft					
		177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft								
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
70		31.8			29.9			27																			70				
75		31.5			29.7			27			24.2			21.4													75				
80		31.2			29.5			27			24.1			21.3													80				
85		30.9			29.3			26.9			23.9			21.2			17.2			11.7							85				
90		30.6			29.1			26.8			23.7			21			17.1			11.6			6.8				90				
95		30.5	30.1		28.9			26.7			23.6			20.9			17.1			11.4			6.7				95				
100		30.4	30		28.7	28.3		26.5	26		23.4			20.7			17			11.3			6.6				100				
105		30.3	30		28.5	28		26.4	26		23.4			20.6			16.9			11.2			6.5				105				
110		30	29.6		28.5	27.8		26.3	25.8		23.3	22.8		20.6			16.8			11			6.4				110				
115		29.7	29.3		28.5	27.8		26.2	25.7		23.3	22.7		20.5	19.9		16.7			10.9			6.3				115				
120		29.5	28.9	28.2	28.4	27.8		26.1	25.5		23.2	22.6		20.5	19.9		16.6	15.8		10.8			6.2				120				
125		29.3	28.6	28	28.4	27.7		26	25.4		23.2	22.5		20.5	19.9		16.5	15.7		10.7			6.1				125				
130		29.1	28.3	27.8	28.3	27.6	27.1	25.9	25.3		23.2	22.5		20.5	19.8		16.4	15.6		10.6	9.9		6				130				
135		28.9	28	27.5	28.2	27.4	26.9	25.9	25.3		23.2	22.4		20.5	19.8		16.3	15.5		10.5	9.8		6	5.2			135				
140		28.8	27.7	27.1	28.1	27.2	26.7	25.9	25.3	24.8	23.2	22.3	21.9	20.5	19.8		16.2	15.4		10.4	9.7		5.9	5.1			140				
145		28.8	27.5	26.8	28.1	27	26.4	25.9	25.3	24.8	23.2	22.3	21.8	20.5	19.7		16.2	15.3		10.4	9.7		5.8	5.1			145				
150		28.8	27.3	26.5	28	26.9	26.2	25.9	25.3	24.8	23.2	22.3	21.7	20.5	19.7	19.2	16.2	15.3		10.4	9.6		5.8	5.1			150				
155		28.8	27.2	26.2	27.9	26.8	26	25.9	25.3	24.6	23.2	22.3	21.6	20.5	19.7	19.2	16.2	15.3		10.4	9.6		5.8	5.1			155				
160		28.8	27.2	26	27.9	26.7	25.8	25.9	25.3	24.5	23.2	22.3	21.6	20.5	19.7	19.1	16.2	15.3	14.8	10.4	9.6		5.8	5.1			160				
165		28.8	27.2	25.9	27.9	26.7	25.6	25.9	25.2	24.3	23.2	22.3	21.6	20.5	19.7	19.1	16.2	15.3	14.7	10.4	9.6		5.8	5.1			165				
170		28.8	27.2	25.8	27.9	26.7	25.4	25.9	25.2	24.2	23.2	22.3	21.6	20.5	19.7	19.1	16.2	15.3	14.5	10.4	9.6		5.8	5.1			170				
175		27.3	27.2	25.8	27.9	26.7	25.4	25.9	25.2	24.1	23.2	22.3	21.6	20.5	19.7	19.1	16.2	15.3	14.2	10.4	9.6	9.6	5.8	5.1			175				
180			27.2	25.8	26.9	26.7	25.3	25.9	25.2	24.1	23.2	22.3	21.6	20.5	19.7	19.1	16.2	15.3	13.8	10.4	9.6	9.7	5.8	5.1			180				
185			26.7	25.8		26.7	25.3		25.2	24.1		22.3	21.6	20.5	19.7	19.1	16.2	15.3	13.5	10.4	9.6	9.6	5.8	5.1	5.1		185				
190				25.8		26.7	25.3		25.2	24.1		22.3	21.6	20.5	19.7	19.1	16.2	15.3	13.1	10.4	9.6	9.4	5.8	5.1	5.2		190				
195							24.8		25.2	23.5		22.3	21.4		19.7	19.1		15.2	12.8		9.6	9.2	5.8	5.1	5.2		195				
200									22.7		22.3	20.8			19.7	19		15.1	12.4		9.6	9		5.1	5.2		200				
205												20				18.6			15	12.1		9.6	8.7		5.1	5.1		205			
210												19.2				17.9				11.7		9.6	8.5		5.1	4.9		210			
215																17.3				11.3		9.6	8.2		5.1	4.8		215			
220																				11			8			4.6		220			
225																						7.7				4.4		225			
230																									4.2			230			
235																									4			235			

* adapter · pièce d'adaptateur

t_180_54805_00_000



Lifting capacities Forces de levage

TN

		 49 – 165 ft			 197 ft						 360°			 220500 lbs			 85%						
 ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			165 + 11.5 ft*	 ft
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft	
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	
75	25.4			23.9																			75
80	25.1			23.8			22.1																80
85	24.9			23.6			21.9			19.4			17										85
90	24.7			23.4			21.7			19.2			16.9			12.9			7.6				90
95	24.4			23.2			21.5			19.1			16.8			12.7			7.5			3.3	95
100	24.2			23.1			21.3			18.9			16.7			12.5			7.3			3.2	100
105	24	23.8		22.9			21.2			18.8			16.6			12.4			7.2			3.2	105
110	23.9	23.6		22.7	22.4		21.1			18.7			16.5			12.2			7.1			3.1	110
115	23.7	23.5		22.6	22.3		21	20.6		18.6	18.1		16.4			12.1			7			3	115
120	23.6	23.4		22.5	22.1		20.9	20.5		18.5	18.1		16.3			12			6.9			3	120
125	23.5	23.3		22.4	21.9		20.8	20.4		18.5	18		16.3	15.9		11.8			6.8			3	125
130	23.4	23.1	22.4	22.3	21.8		20.7	20.3		18.4	18		16.2	15.8		11.8	11.1		6.7			2.9	130
135	23.3	22.8	22.3	22.2	21.7		20.6	20.2		18.4	17.9		16.2	15.7		11.7	11		6.7	6		2.9	135
140	23.2	22.6	22.1	22.1	21.7	21.3	20.6	20		18.3	17.8		16.2	15.7		11.6	10.9		6.7	6		2.9	140
145	23	22.4	22	22.1	21.6	21.3	20.5	19.9		18.3	17.8		16.2	15.6		11.6	10.8		6.7	5.9		2.9	145
150	22.9	22.2	21.8	22.1	21.6	21.3	20.5	19.9	19.5	18.3	17.7		16.2	15.6		11.6	10.8		6.6	5.9		2.9	150
155	22.8	22	21.6	22.1	21.5	21.2	20.4	19.9	19.4	18.3	17.7	17.3	16.2	15.6		11.6	10.8		6.6	5.9		2.9	155
160	22.8	21.9	21.3	22	21.4	21	20.4	19.9	19.4	18.3	17.6	17.2	16.2	15.6		11.6	10.8		6.6	5.9		2.9	160
165	22.8	21.8	21.1	22	21.4	20.8	20.4	19.9	19.4	18.3	17.6	17.2	16.2	15.6	15.1	11.6	10.8		6.6	5.9		2.9	165
170	22.8	21.7	20.8	21.9	21.3	20.7	20.4	19.9	19.4	18.3	17.6	17.1	16.2	15.6	15.1	11.6	10.8		6.6	5.9		2.9	170
175	22.8	21.7	20.7	21.9	21.2	20.5	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15.1	11.6	10.8	10.8	6.6	5.9		2.9	175
180	22.8	21.7	20.6	21.9	21.2	20.4	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15	11.6	10.8	10.9	6.6	5.9		2.9	180
185	22.8	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.4	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6	2.9	185
190	22.7	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6.2	2.9	190
195	21.3	21.7	20.5	21.9	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	11	6.6	5.9	6.3	2.9	195
200		21.7	20.5	21.1	21.2	20.3	20.4	19.9	19.3	18.3	17.6	17	16.2	15.6	15	11.6	10.8	10.8	6.6	5.9	6.4	2.9	200
205			20.5		21.2	20.3		19.9	19.3		17.6	17	16.2	15.6	15	11.6	10.8	10.5	6.6	5.9	6.5	2.9	205
210			20.5			20.3		19.9	19.3		17.6	17		15.6	15		10.8	10.3		5.9	6.6	2.9	210
215						20.3		19.9	19.3		17.6	17		15.6	15		10.8	10		5.9	6.6	2.9	215
220									18.9		17.6	16.9		15.6	15		10.8	9.7		5.9	6.6		220
225												16.6			14.9		10.8	9.4		5.9	6.4		225
230												15.9			14.7			9		5.9	6.3		230
235															14.2			8.7		5.9	6.1		235
240																		8.5			5.9		240
245																					5.7		245

* adapter - pièce d'adaptateur

t_180_54905_00_000

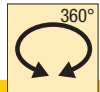
* adapter · pièce d'adaptateur

t_180_54905_00_000



Lifting capacities Forces de levage

TN

		 49 – 149 ft T			 217 ft N			 360°			 220500 lbs			85%								
	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			149 + 11.5 ft*			
	217 ft			217 ft			217 ft			217 ft			217 ft			217 ft			217 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
85	20.3			19.3			17.9						13.4									85
90	20.2			19.1			17.7			15.6												90
95	20			18.9			17.5			15.5			13.4			9.1			4.4			95
100	19.8			18.7			17.4			15.4			13.3			8.9			4.3			100
105	19.6			18.6			17.2			15.2			13.1			8.8			4.2			105
110	19.4			18.5			17			15.1			13			8.6			4.1			110
115	19.2	19		18.3			16.9			15			12.8			8.5			4			115
120	19.1	18.9		18.2	18		16.8			14.9			12.7			8.4			3.9			120
125	19	18.7		18.1	17.8		16.8	16.5		14.8			12.5			8.3			3.8			125
130	18.9	18.6		18	17.7		16.7	16.4		14.7	14.4		12.4	11.9		8.2			3.8			130
135	18.8	18.5		17.8	17.5		16.6	16.3		14.6	14.3		12.3	11.8		8.1	7.5		3.7			135
140	18.7	18.4		17.7	17.4		16.5	16.2		14.6	14.2		12.3	11.7		8.1	7.4		3.6	3		140
145	18.6	18.3	17.9	17.6	17.3		16.4	16.1		14.6	14.2		12.3	11.7		8.1	7.3		3.6	3		145
150	18.6	18.2	17.8	17.5	17.1	16.8	16.4	16		14.5	14.1		12.3	11.7		8.1	7.3		3.6	3		150
155	18.5	18	17.7	17.5	17.1	16.8	16.3	15.9		14.5	14.1		12.3	11.7		8.1	7.3		3.6	3.1		155
160	18.4	17.9	17.6	17.5	17.1	16.8	16.3	15.8	15.6	14.5	14		12.3	11.7		8.1	7.3		3.6	3.2		160
165	18.3	17.8	17.5	17.4	17.1	16.8	16.2	15.8	15.5	14.5	14	13.7	12.3	11.7		8.1	7.3		3.6	3.3		165
170	18.3	17.6	17.3	17.4	17.1	16.8	16.2	15.7	15.4	14.5	14	13.6	12.3	11.7		8.1	7.3		3.6	3.3		170
175	18.3	17.5	17.1	17.4	17.1	16.7	16.2	15.6	15.3	14.5	13.9	13.5	12.3	11.7	11.7	8.1	7.3		3.6	3.4		175
180	18.2	17.4	17	17.4	17	16.7	16.2	15.6	15.3	14.5	13.9	13.5	12.3	11.7	11.7	8.1	7.3		3.6	3.5		180
185	18.2	17.4	16.8	17.4	17	16.6	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.6		185
190	18.1	17.4	16.7	17.4	17	16.5	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.6		190
195	18.1	17.4	16.6	17.4	17	16.4	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.7	8.1	7.3	7.5	3.6	3.7	3.3	195
200	18.1	17.4	16.5	17.4	17	16.3	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.3	200
205	18.1	17.4	16.5	17.4	17	16.3	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.4	205
210	18.1	17.4	16.5	17.4	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.8	3.6	210
215	17.5	17.4	16.5	17.4	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.7	215
220		17.4	16.5	17.2	17	16.2	16.2	15.6	15.3	14.5	13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.7	220
225			16.5		17	16.2		15.6	15.3		13.9	13.4	12.3	11.7	11.6	8.1	7.3	7.5	3.6	3.7	3.8	225
230			16.5			16.2		15.6	15.3		13.9	13.4		11.7	11.6		7.3	7.5		3.7	3.8	230
235						16.2		15.6	15.3		13.9	13.4		11.7	11.6		7.3	7.5		3.7	3.8	235
240								15.3			13.9	13.4		11.7	11.6		7.3	7.3		3.7	3.7	240
245												13.3			11.6		7.3	7.1		3.7	3.7	245
250															11.6			6.9		3.7	3.7	250
255															11.5			6.7		3.7	3.7	255
260																		6.5		3.7	3.7	260
265																				3.7		265

* adapter · pièce d'adaptateur

t_180_55005_00_000

* adapter · pièce d'adaptateur

t_180_55005_00_000



Lifting capacities Forces de levage

TN

49-132 ft T 236 ft N 360° 220500 lbs 85%																			
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			132 + 11.5 ft*			ft
	236 ft			236 ft			236 ft			236 ft			236 ft			236 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
90	15.9																		90
95	15.8			15.1			13.9			12.2			10						95
100	15.7			15			13.9			12.1			10			6.2			100
105	15.6			14.8			13.7			12			9.8			6			105
110	15.4			14.6			13.6			11.9			9.7			5.9			110
115	15.3			14.5			13.4			11.8			9.5			5.8			115
120	15.1			14.4			13.3			11.7			9.4			5.7			120
125	15	14.5		14.2	13.7		13.2			11.6			9.3			5.6			125
130	14.8	14.5		14.1	13.7		13			11.5			9.1			5.5			130
135	14.7	14.5		14	13.7		12.9	12.7		11.4			9			5.4			135
140	14.6	14.4		13.9	13.7		12.9	12.6		11.3	11		8.9			5.4			140
145	14.5	14.3		13.8	13.6		12.8	12.6		11.3	10.9		8.8	8.5		5.3			145
150	14.4	14.2		13.7	13.5		12.7	12.5		11.2	10.9		8.8	8.5		5.3			150
155	14.3	14.1		13.6	13.4		12.6	12.4		11.2	10.8		8.8	8.6		5.3	4.9		155
160	14.2	14	13.6	13.5	13.3		12.6	12.3		11.1	10.8		8.8	8.6		5.3	4.9		160
165	14.1	13.9	13.6	13.4	13.2	12.8	12.5	12.2		11.1	10.7		8.8	8.6		5.3	5		165
170	14.1	13.8	13.6	13.4	13.1	12.8	12.5	12.2		11.1	10.7		8.8	8.6		5.3	5		170
175	14.1	13.7	13.6	13.3	13.1	12.8	12.5	12.1	11.8	11	10.7		8.8	8.6		5.3	5.1		175
180	14.1	13.6	13.5	13.3	13	12.8	12.4	12.1	11.8	11	10.6	10.3	8.8	8.6		5.3	5.2		180
185	14	13.6	13.3	13.2	12.9	12.7	12.4	12	11.8	11	10.6	10.3	8.8	8.6	8.6	5.3	5.3		185
190	14	13.5	13.2	13.2	12.9	12.7	12.4	11.9	11.7	11	10.5	10.3	8.8	8.6	8.6	5.3	5.3		190
195	14	13.5	13.1	13.2	12.9	12.7	12.4	11.9	11.6	11	10.5	10.2	8.8	8.6	8.6	5.3	5.3	5	195
200	14	13.4	13	13.2	12.9	12.7	12.4	11.9	11.6	11	10.5	10.1	8.8	8.6	8.6	5.3	5.4	5.1	200
205	14	13.4	12.9	13.2	12.9	12.7	12.4	11.9	11.6	11	10.4	10.1	8.8	8.6	8.6	5.3	5.4	5.2	205
210	14	13.4	12.8	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.3	210
215	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.3	215
220	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.4	220
225	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.4	5.4	225
230	14	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.4	230
235	13.9	13.4	12.7	13.2	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.4	235
240		13.4	12.7	13	12.9	12.6	12.4	11.9	11.6	11	10.4	10	8.8	8.6	8.6	5.3	5.3	5.3	240
245			12.7		12.9	12.6		11.9	11.6		10.4	10	8.8	8.6	8.6	5.3	5.3	5.3	245
250			12.7			12.6		11.9	11.6		10.4	10		8.6	8.6		5.3	5.3	250
255						12.6		11.9	11.6		10.4	10		8.6	8.6		5.3	5.3	255
260									11.6			10		8.6	8.6		5.3	5.3	260
265												10			8.6		5.3	5.3	265
270															8.6			5.1	270
275															8.6			4.9	275
280																		4.8	280

* adapter · pièce d'adaptateur

t_180_55105_00_000



Lifting capacities Forces de levage

TN

49 – 115 ft T 256 ft N 360° 220500 lbs 85%																
ft	49 + 11.5 ft*			66 + 11.5 ft*			82 + 11.5 ft*			99 + 11.5 ft*			115 + 11.5 ft*			ft
	256 ft			256 ft			256 ft			256 ft			256 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
95	12.5															95
100	12.4			11.7			10.7			9			6.6			100
105	12.4			11.7			10.7			8.9			6.5			105
110	12.3			11.6			10.6			8.7			6.4			110
115	12.1			11.5			10.6			8.6			6.3			115
120	12			11.3			10.5			8.4			6.1			120
125	11.9			11.2			10.4			8.3			6			125
130	11.7			11.1			10.2			8.2			5.9			130
135	11.6	11.2		11			10.1			8.1			5.8			135
140	11.5	11.2		10.9	10.5		10	9.5		8			5.7			140
145	11.4	11.2		10.8	10.5		9.9	9.6		8	7.6		5.7			145
150	11.3	11.1		10.7	10.5		9.8	9.6		7.9	7.6		5.7			150
155	11.2	11		10.6	10.5		9.8	9.5		7.9	7.7		5.7	5.4		155
160	11	10.9		10.5	10.4		9.7	9.5		7.9	7.7		5.7	5.5		160
165	10.9	10.8	10	10.4	10.3		9.6	9.4		7.9	7.8		5.7	5.5		165
170	10.8	10.7	10.2	10.4	10.2		9.6	9.3		7.9	7.8		5.7	5.6		170
175	10.8	10.6	10.2	10.3	10.1	9.4	9.5	9.3		7.9	7.8		5.7	5.6		175
180	10.7	10.6	10.3	10.2	10	9.5	9.5	9.2	8.5	7.9	7.8		5.7	5.7		180
185	10.7	10.5	10.4	10.2	10	9.6	9.5	9.1	8.6	7.9	7.8	7.3	5.7	5.7		185
190	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.1	8.6	7.9	7.8	7.4	5.7	5.8		190
195	10.6	10.4	10.3	10.1	9.8	9.6	9.4	9	8.7	7.9	7.8	7.5	5.7	5.8		195
200	10.6	10.4	10.2	10.1	9.8	9.5	9.4	8.9	8.6	7.9	7.7	7.5	5.7	5.8	5.6	200
205	10.6	10.3	10	10.1	9.7	9.4	9.4	8.9	8.6	7.9	7.7	7.5	5.7	5.9	5.7	205
210	10.6	10.3	9.9	10.1	9.7	9.4	9.4	8.8	8.6	7.9	7.7	7.5	5.7	5.9	5.8	210
215	10.6	10.2	9.8	10.1	9.7	9.4	9.4	8.8	8.6	7.9	7.7	7.4	5.7	5.9	5.8	215
220	10.5	10.2	9.7	10	9.7	9.4	9.4	8.8	8.5	7.9	7.7	7.4	5.7	5.9	5.8	220
225	10.4	10.2	9.7	10	9.7	9.4	9.4	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	225
230	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	230
235	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	235
240	10.3	10.1	9.6	9.9	9.7	9.4	9.3	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	240
245	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	245
250	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	250
255	10.3	10.1	9.6	9.9	9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	255
260		10.1	9.6		9.7	9.4	9.2	8.8	8.5	7.9	7.7	7.4	5.7	5.8	5.8	260
265			9.6		9.7	9.4		8.8	8.5		7.7	7.4	5.7	5.8	5.8	265
270			9.6			9.4		8.8	8.5		7.7	7.4		5.8	5.8	270
275						9.4		8.8	8.5		7.7	7.4		5.8	5.8	275
280									8.5			7.4		5.8	5.8	280
285												7.4			5.8	285
290															5.8	290
295															5.8	295

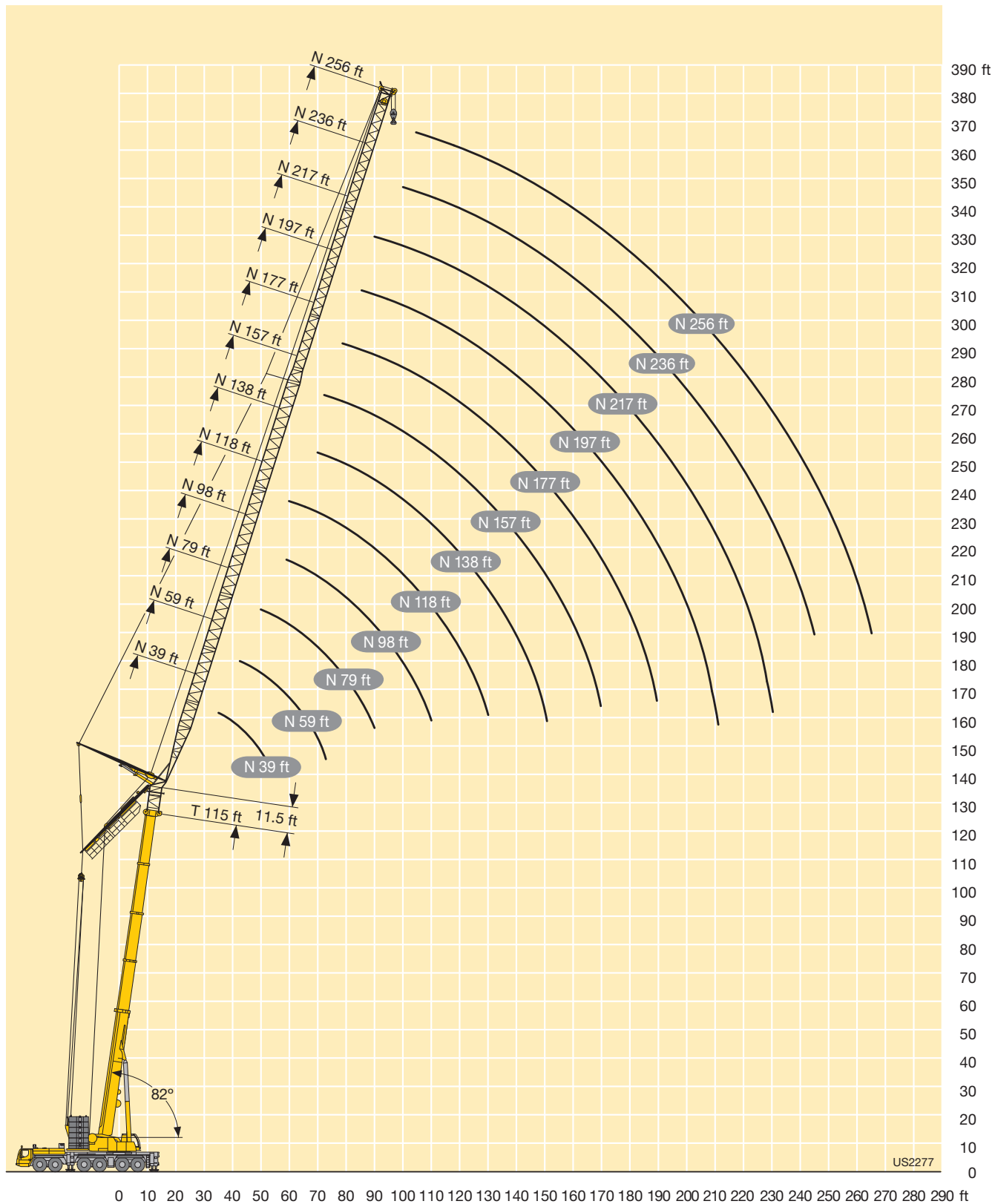
* adapter · pièce d'adaptateur

t_180_55205_00_000



Lifting heights Hauteurs de levage

TN





Lifting capacities Forces de levage

TYVEN

 115 – 149 ft T  Y  11.5 ft V  E  39 ft N   360°  264600 lbs  85%							
 ft	115 + 23 ft*		132 + 23 ft*		149 + 23 ft*		 ft
	39 ft**		39 ft**		39 ft**		
	82°	75°	82°		82°		
40	122.3						40
42	124.9						42
44	124.8						44
46	123.3			109.9			46
48	120.3			109.2			48
50	117.4			108.5		97.6	50
55				104.5		96.3	55
60							60
65			100.1				65
70			93.2				70

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

** Hookblock with deadweight of 6615 lbs necessary · Moufle à crochet de poids minimal de 6615 lbs nécessaire

t_180_64103_00_000

115 – 149 ft Y 11.5 ft E 39 ft  360° 220500 lbs 85%							
 ft	115 + 23 ft*		132 + 23 ft*		149 + 23 ft*		 ft
	39 ft**		39 ft**		39 ft**		
	82°	75°	82°		82°		
40	122.3						40
42	124.9						42
44	124.8						44
46	123.3						46
48	120.3						48
50	117.4						50
55							55
60							60
65							65
70							70

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

** Hookblock with deadweight of 6615 lbs necessary · Moufle à crochet de poids minimal de 6615 lbs nécessaire

t_180_64105_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 Y			 11.5 ft V			 E			 59 ft N						 360°			 286600 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft								
	59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***											
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°									
46	83.5																					46								
48	85.8																					48								
50	88.2																					50								
55	93.4			89.3						72.2												55								
60	97.2			90.1			81.7			71.8												60								
65	97.5			88.6			80.9			70.7						62			53.6			65								
70	93.3	92.8		84.5			79.8			69.6						61.2			52.9		46.7	70								
75		88.5		80.4	77.6		77.6			68						60.3			52.1		46.2	75								
80		83			74.9											59.4			51.3		45.3	80								
85		77.9			70.1		64.6									58.5			50.5		44.3	85								
90		73.4	64.8		66.3		60.9			58.9												90								
95			61.9				57.5			56.7						53.2						95								
100			58.7			47.7				54.5									41.1			100								
105						45.1													40.6			105								
110						42.6			37										39.5		34.7	110								
115								35.3				40.7									33.6	115								
120												39.6										120								
125																						125								
130																32.5						130								
135																		18.1				135								
140																					17.8	140								

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64202_00_000

*** Hookblock with deadweight of 3200 lbs necessary · Moufle à crochet de poids minimal de 3200 lbs nécessaire

 ft			115 – 215 ft T			 Y			11.5 ft V			 E			59 ft N						360° 			220500 lbs 			85%		
			115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft					
			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***			59 ft***											
			82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
46			83.5																							46			
48			85.8																							48			
50			88.2																							50			
55			93.4				89.3						72.2													55			
60			97.2				90.1				81.7		71.8													60			
65			97.5				88.6				80.9		70.7			62			53.6							65			
70			93.3	84.8			84.5				79.8		69.6			61.2			52.9			46.7				70			
75				80.4			80.4	73.9			77.6		68			60.3			52.1			46.2				75			
80				75.2				71								59.4			51.3			45.3				80			
85				70.5				66.6			62.8					58.5			50.5			44.3				85			
90				66.4	57.7			62.8			59.6		55.6													90			
95					54.9					56.4		52.7				46										95			
100					51.8			47				50				44.5			41.1							100			
105							44.4												40.6							105			
110							42			37									39			34.7				110			
115										35.3			32.3									33.6				115			
120												31.4														120			
125																										125			
130																	24.1									130			
135																			18.1							135			
140																								17.3		140			

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64205_00_000

*** Hookblock with deadweight of 3200 lbs necessary · Moufle à crochet de poids minimal de 3200 lbs nécessaire



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 11.5 ft V			 79 ft N			 360°			 308600 lbs			 85%					
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft			79 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
55	70.3																					55
60	74			71.4																		60
65	78.2			74.6						61												65
70	80			74.4			67.5			60.3			52.5			46.1						70
75	79.8	78.9		73			67.2			59.5			52.1			45.6			40.2			75
80	77.8	77.6		70.7			66.4			58.7			51.4			45			39.9			80
85	74.4	74.7		67.6	66.2		65.5			57.8			50.7			44.3			39.3			85
90	71.2	71.9		64.7	63.9		64.2			56.8			49.9			43.6			38.7			90
95		69.2		61.9	61.5		62.1	61		55	52.4		49.2			43			37.9			95
100		66.6	58.4		59.3			58.8			51.1		48.5	46.4		42.3			36.9			100
105		63.9	57		57.1			56.7			49.3			46.3								105
110		60.9	54.3		55	48.9		54.2			47.5			44.8			38.5					110
115			51.7			46.8		51.8			45.9			43.4			37.8		30.5			115
120			49.4			44.3			38.2		44.2			42			36.8		29.9			120
125						42.1			36.5								35.6		28.9			125
130						40.1			34.6			36.5					34.4		28			130
135									32.9			35			31.9				27			135
140												33.5			30.9							140
145															29.7			15.8				145
150															28.5			15.9				150
155																		15.9				155
160																				15.8		160

* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64301_00_000

		 115 – 215 ft T			 11.5 ft Y			 11.5 ft V			 79 ft E			 79 ft N			 360°			 220500 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft					
	79 ft			79 ft			79 ft			79 ft			79 ft			79 ft			79 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
55	70.3																					55					
60	74			71.4																		60					
65	78.2			74.6						61												65					
70	80			74.4					67.5	60.3						52.5			46.1			70					
75	79.8	77.8		73					67.2	59.5						52.1			45.6			40.2	75				
80	77.8	74.7		70.7					66.4	58.7						51.4			45			39.9	80				
85	74.4	70.1		67.6	66				65.5	57.8						50.7			44.3			39.3	85				
90	71.2	66.1		64.7	62.4				64.2	56.8						49.9			43.6			38.7	90				
95		62.4		61.9	58.9				62.1	54.5			55	49.4		49.2			43			37.9	95				
100		59.1	49.7		55.7					51.7				47.8		48.5	42.3		42.3			36.9	100				
105		56	48.3		52.6					49.2				45.4			41.2						105				
110		53.1	45.8		49.9	41				46.9				43.3			39.3			36.7			110				
115			43.5			39.3				44.7				41.4			37.6			35.3			30.5	115			
120			41.3			37.3					33.7			39.6			36			33.8			29.9	120			
125						35.5					32.2									32.3			28.9	125			
130						33.8					30.9				26.8					31			27.8	130			
135											29.6				25.7				21.8				26.7	135			
140															24.7				21.2					140			
145																			20.3		15.8			145			
150																			19.5		15.9			150			
155																					15.9			155			
160																							13.6	160			
																							13	160			

* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64305_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 11.5 ft Y			 157 ft V			 157 ft E			 157 ft N			 360°			 308600 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft					
	157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
80	35.7			31.7																		80					
85	36.3			32.7																		85					
90	36.6			33.4			30.8															90					
95	36.6			33.9			31.3			27.3			24.3									95					
100	36.4			34.3			31.5			28.2			24.7			22.1						100					
105	36.1			34.5			31.6			28.6			25.1			22.2			19.6			105					
110	35.8	34.5		34.5			31.6			28.8			25.1			22.2			19.6			110					
115	35.5	34.4		34.4	33.2		31.5			28.8			25.1			22.1			19.5			115					
120	35.2	34.3		34.3	33.1		31.3	30.7		28.7			25			22.1			19.4			120					
125	34.9	34.2		34.2	33		31.2	30.6		28.4			24.8			21.9			19.3			125					
130	34.7	34.1		34	33		31	30.4		28.2	27.1		24.6			21.7			19.1			130					
135	34.5	34		33.8	32.9		30.8	30.2		27.9	27		24.3	23.2		21.5			18.8			135					
140	34	33.4	31	33.4	32.3		30.5	30		27.6	26.8		24.1	23.1		21.2	19.9		18.6			140					
145	33.1	32.3	30.5	32.9	31.3		30.2	29.8		27.3	26.6		23.8	22.9		20.9	19.8		18.3			145					
150	31.9	31.3	29.7	31.8	30.3		29.9	29.6		27	26.4		23.5	22.7		20.6	19.6		18	16.7		150					
155	30.8	30.3	28.9	30.6	29.3	27	29.7	29		26.7	26.2		23.2	22.5		20.4	19.4		17.7	16.6		155					
160	29.7	29.3	28.1	29.6	28.4	26.3	29.3	28.2	25.9	26.5	26		23	22.3		20.1	19.2		17.4	16.4		160					
165	28.5	28.4	27.3	28.5	27.5	25.6	28.6	27.3	25.2	26.2	25.7		22.7	22.1		19.8	19.1		17.1	16.2		165					
170	27.2	27.5	26.5	27.4	26.6	24.8	27.6	26.4	24.5	26	25.4	23.1	22.5	21.9		19.5	18.9		16.9	16		170					
175		26.6	25.8		25.8	24.2	26.6	25.6	23.8	25.8	24.7	22.3	22.3	21.7		19.3	18.6		16.6	15.5		175					
180		25.7	25		24.9	23.5		24.8	23.1		24	21.5		21.5	19.6	19.1	18.4		16.3	15.1		180					
185		24.7	24.3		24.1	22.8		24.1	22.5		23.3	20.7		21.2	19.2		18.2			14.6		185					
190		23.4	23.6		23.3	22.2		23.3	21.8		22.7	19.9		20.9	18.6		18			14.2		190					
195			22.9			21.6		22.5	21.2		22	19.2		20.3	17.9		17.6	6		13.8		195					
200			22.2			20.9			20.6		21.4	18.5		19.8	17.3		16.9	6		13.3	6.3	200					
205						20.3			20.1			17.9			16.6		15.9	6		12.9	6.4	205					
210									19.5			17.2			16.1			6		12.5	6.4	210					
215									18.9			16.6			15.5			5.9		12.2	6.4	215					
220												16.1			14.9			5.8			6.3	220					
225															14.4			5.6			6.2	225					
230																		5.2			6.1	230					
235																		4.9			6	235					
240																					5.7	240					

* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64701_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 11.5 ft Y			 157 ft V			 157 ft E			 157 ft N			 360°			 220500 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft					
	157 ft			157 ft			157 ft			157 ft			157 ft			157 ft			157 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
80	35.7			31.7																		80					
85	36.3			32.7																		85					
90	36.6			33.4			30.8															90					
95	36.6			33.9			31.3			27.3			24.3									95					
100	36.4			34.3			31.5			28.2			24.7			22.1						100					
105	36.1			34.5			31.6			28.6			25.1			22.2			19.6			105					
110	35.8	34.5		34.5			31.6			28.8			25.1			22.2			19.6			110					
115	35.5	34.4		34.4	33.2		31.5			28.8			25.1			22.1			19.5			115					
120	35.2	34.3		34.3	33.1		31.3	30.7		28.7			25			22.1			19.4			120					
125	34.9	34.2		34.2	33		31.2	30.6		28.4			24.8			21.9			19.3			125					
130	34.7	34.1		34	33		31	30.4		28.2	27.1		24.6			21.7			19.1			130					
135	34.5	34		33.8	32.9		30.8	30.2		27.9	27		24.3	23.2		21.5			18.8			135					
140	34	33.4	31	33.4	32.3		30.5	30		27.6	26.8		24.1	23.1		21.2	19.9		18.6			140					
145	33.1	32.3	30.5	32.9	31.3		30.2	29.8		27.3	26.5		23.8	22.9		20.9	19.8		18.3			145					
150	31.9	31.3	29.3	31.8	30.3		29.9	29.6		27	26		23.5	22.7		20.6	19.6		18	16.7		150					
155	30.8	30.3	28	30.6	29.3	23.8	29.7	28.8		26.7	25.1		23.2	22.5		20.4	19.4		17.7	16.6		155					
160	29.7	29.3	26.9	29.6	28.4	22.9	29.3	27.8	20.5	26.5	24.2		23	22.2		20.1	19.2		17.4	16.4		160					
165	28.5	28.4	25.7	28.5	27.5	22	28.6	26.8	19.7	26.2	23.3		22.7	21.7		19.8	19		17.1	16.2		165					
170	27.2	27.5	24.7	27.4	26.6	21.2	27.6	25.8	18.9	26	22.4	14.8	22.5	20.9		19.5	18.7		16.9	16		170					
175		26.6	23.7		25.8	20.4	26.6	25	18.2	25.8	21.6	14.2	22.3	20.2		19.3	18		16.6	15.5		175					
180		25.7	22.8		24.9	19.7		24.1	17.5		20.9	13.7		19.4	11.7	19.1	17.3		16.3	15		180					
185		24.7	21.9		24.1	19		23.3	16.8		20.2	13.1		18.8	11.2		16.7			14.4		185					
190		23.4	21		23.3	18.3		22.5	16.2		19.5	12.6		18.1	10.8		16.1			13.9		190					
195			20.2			17.6		21.6	15.7		18.8	12.1		17.5	10.3		15.5	6		13.4	5.6	195					
200			19.5			16.9			15.1		18.2	11.6		16.9	9.9		15	6		12.9	5.3	200					
205						16.2			14.6			11.2			9.5		14.5	6		12.4	5	205					
210									14.1			10.7			9.1			6		11.9	4.7	210					
215									13.6			10.3			8.7			5.9		11.5	4.4	215					
220												9.9			8.3			5.8			4.1	220					
225															8			5.6			3.9	225					
230																		5.2			3.6	230					
235																		4.9			3.4	235					
240																					3.1	240					

* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64705_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 11.5 ft Y			 177 ft V			 177 ft E			 177 ft N			 360°			 308600 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft					
	177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
90	28.5			27.2																		90					
95	28.9			27.5				23.9														95					
100	29.3			27.7				24.6				22.2			16.5							100					
105	29.5			27.8				25				22.7			19			17				105					
110	29.4			27.8				25.3				22.9			19.4			17.3				110					
115	29.3	27.9		27.8				25.5				23.1			19.8			17.6			15.4	115					
120	29.1	27.9		27.8				25.5				23.1			20			17.7			15.5	120					
125	28.8	27.8		27.7	27			25.4				23.1			20.1			17.7			15.5	125					
130	28.6	27.7		27.6	26.9			25.4	25.1			23			20.1			17.6			15.4	130					
135	28.4	27.6		27.5	26.8			25.3	25			22.9	22.2		20.1			17.5			15.3	135					
140	28.2	27.6		27.4	26.8			25.2	24.8			22.8	22.1		19.9			17.4			15.2	140					
145	28	27.6		27.3	26.7			25.1	24.7			22.7	21.9		19.8			17.3			15.1	145					
150	27.9	27.5		27.1	26			24.9	24.5			22.5	21.8		19.7	18.8		17.1	16.1		14.9	150					
155	27.7	27.3	25.4	26.7	25.2			24.7	24.3			22.3	21.6		19.5	18.6		17	15.9		14.7	155					
160	27.6	27.1	25.4	26.1	24.5	21.7		24.6	24.2			22.1	21.5		19.3	18.5		16.8	15.8		14.5	13.2	160				
165	27.4	26.8	25.1	25.2	23.7	21.4		24.4	24			21.9	21.3		19.1	18.3		16.5	15.6		14.2	13.1	165				
170	26.6	25.9	24.4	24.3	22.9	20.8		24.2	23.9	22.2		21.7	21.1		18.9	18.2		16.3	15.5		14	13	170				
175	25.7	25.1	23.8	23.5	22.2	20.2		24	23.6	21.7		21.4	21		18.7	18		16.1	15.3		13.8	12.8	175				
180	24.8	24.4	23.2	22.7	21.5	19.7		23.8	23.1	21.1		21.2	20.8	19.2	18.4	17.8		15.9	15.2		13.5	12.7	180				
185	23.9	23.6	22.6	21.9	20.9	19.2		23.6	22.4	20.5		21	20.6	18.7	18.2	17.7		15.7	15		13.3	12.5	185				
190	22.9	22.9	21.9	21.1	20.2	18.6		23	21.8	20		20.9	20.5	18.2	18	17.5	16.1	15.4	14.8		13.1	12.3	190				
195		22.1	21.3		19.5	18.1		22.2	21.1	19.4		20.8	19.9	17.7	17.9	17.3	15.8	15.3	14.7		12.9	12.1	195				
200		21.4	20.7		18.9	17.6			20.5	18.9			19.3	17.2		17.2	15.5	15.1	14.5	4	12.6	11.8	200				
205		20.6	20.1		18.3	17.1			19.9	18.4			18.7	16.8		17	15.3		14.3	4.2		11.5	205				
210			19.6			16.5			19.3	17.9			18.1	16.3		16.9	14.9		14.2	4.3		11.2	4.5	210			
215			19			16			18.7	17.4			17.6	15.8		16.7	14.4		14	4.4		10.8	4.7	215			
220			18.4			15.6				16.9			17	15.4		16.2	13.9		13.8	4.4		10.5	4.8	220			
225						15.1				16.5				14.9			13.4		13.1	4.4		10.2	4.9	225			
230										16				14.5			12.9			4.4		9.8	4.9	230			
235										15.5				14.1			12.4			4.4		9.5	4.8	235			
240														13.6			11.9			4.2			4.8	240			
245																	11.5			4			4.7	245			
250																				3.7			4.6	250			
255																				3.4			4.4	255			
260																							4.1	260			

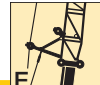
* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64801_00_000



Lifting capacities Forces de levage

TYVEN

																											
	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*								
	177 ft			177 ft			177 ft			177 ft			177 ft			177 ft			177 ft								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°						
90	28.5			27.2																		90					
95	28.9			27.5			23.9															95					
100	29.3			27.7			24.6			22.2			16.5									100					
105	29.5			27.8			25			22.7			19					17				105					
110	29.4			27.8			25.3			22.9			19.4					17.3				110					
115	29.3	27.9		27.8			25.5			23.1			19.8					17.6		15.4		115					
120	29.1	27.9		27.8			25.5			23.1			20					17.7		15.5		120					
125	28.8	27.8		27.7	27		25.4			23.1			20.1					17.7		15.5		125					
130	28.6	27.7		27.6	26.9		25.4	25.1		23			20.1					17.6		15.4		130					
135	28.4	27.6		27.5	26.8		25.3	25		22.9	22.2		20.1					17.5		15.3		135					
140	28.2	27.6		27.4	26.8		25.2	24.8		22.8	22.1		19.9					17.4		15.2		140					
145	28	27.6		27.3	26.7		25.1	24.7		22.7	21.9		19.8					17.3		15.1		145					
150	27.9	27.5		27.1	26		24.9	24.5		22.5	21.8		19.7	18.8				17.1	16.1		14.9	150					
155	27.7	27.3	25.4	26.7	25.2		24.7	24.3		22.3	21.6		19.5	18.6				17	15.9		14.7	155					
160	27.6	27.1	25.2	26.1	24.5	21.7	24.6	24.2		22.1	21.5		19.3	18.5				16.8	15.8		14.5	13.2	160				
165	27.4	26.8	24.7	26.2	23.7	21.3	24.4	24		21.9	21.3		19.1	18.3				16.5	15.6		14.2	13.1	165				
170	26.6	25.9	23.7	24.3	22.9	20.5	24.2	23.9	17.9	21.7	21.1		18.9	18.2				16.3	15.5		14	13	170				
175	25.7	25.1	22.8	23.5	22.2	19.8	24	23.6	17.3	21.4	20.9		18.7	18				16.1	15.3		13.8	12.8	175				
180	24.8	24.4	21.8	22.7	21.5	19	23.8	23.1	16.6	21.2	20.4	13.1	18.4	17.8				15.9	15.2		13.5	12.7	180				
185	23.9	23.6	21	21.9	20.9	18.3	23.6	22.4	15.9	21	19.6	12.6	18.2	17.4				15.7	15		13.3	12.5	185				
190	22.9	22.9	20.1	21.1	20.2	17.7	23	21.7	15.3	20.9	18.9	12	18	16.8	9.3			15.4	14.7		13.1	12.3	190				
195		22.1	19.3		19.5	17	22.2	21	14.8	20.8	18.3	11.5	17.9	16.2	8.9			15.3	14.2		12.9	12	195				
200		21.4	18.6		18.9	16.4		20.3	14.2		17.7	11.1		15.6	8.5			15.1	13.7	4	12.6	11.5		200			
205		20.6	17.9		18.3	15.9		19.6	13.7		17.1	10.6		15.1	8.1				13.2	4.2		11.1	3.4	205			
210			17.2			15.3		18.9	13.2		16.5	10.2		14.5	7.7				12.7	4.3		10.6	3.3	210			
215			16.5			14.7		18.2	12.7		16	9.8		14	7.4				12.2	4.4		10.2	3	215			
220			15.9			14.1			12.3		15.5	9.4		13.5	7				11.8	4.4		9.8	2.7	220			
225						13.5			11.8			9			6.7				11.4	4.4		9.4		225			
230									11.4			8.6			6.4					4.4		9		230			
235									11			8.3			6.1					4.3		8.7		235			
240												7.9			5.8					4				240			
245															5.5					3.8				245			
250																				3.5				250			
255																				3.3				255			

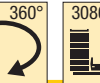
* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64805_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 215 ft T			 11.5 ft Y			 11.5 ft V			 197 ft E			 197 ft N						 360°			 308600 lbs			 85%				
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*			 ft								
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft											
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°			
95	22			20.8																							95			
100	22.3			21.1			19			16.3																	100			
105	22.5			21.4			19.3			17.1			13.9														105			
110	22.8			21.6			19.6			17.4			14.4														110			
115	23			21.7			19.8			17.6			14.7			11.3											115			
120	23.2			21.8			19.9			17.8			15			12.6											120			
125	23.3			21.9			19.9			18			15.2			12.9											125			
130	23.1			21.9			19.9			18			15.3			13.1			10.6								130			
135	23	22.2		21.9	21.6		19.9			17.9			15.3			13.3			11.4								135			
140	22.8	22.1		21.9	21.6		19.8	20		17.9			15.3			13.3			11.4								140			
145	22.6	22.1		21.8	21.5		19.8	19.9		17.8			15.2			13.3			11.4								145			
150	22.4	22		21.8	21.4		19.7	19.8		17.8	17.5		15.1	14.8		13.3			11.4								150			
155	22.3	21.9		21.7	21.4		19.6	19.6		17.7	17.4		15.1	14.7		13.2			11.3								155			
160	22.1	21.9		21.7	21.3		19.6	19.5		17.6	17.2		15	14.6		13.1	12.3		11.2								160			
165	22	21.7	20.3	21.6	21.2		19.5	19.4		17.5	17.1		14.9	14.5		13.1	12.2		11.1								165			
170	21.9	21.6	20.3	21.6	21.2		19.4	19.2		17.4	17		14.8	14.3		13	12.1		11	9.9							170			
175	21.8	21.5	20.3	21.5	20.7	18.5	19.3	19.1		17.3	16.8		14.7	14.2		12.8	12		10.8	9.8							175			
180	21.7	21.4	20.3	21.3	20.2	18	19.2	19	17.9	17.1	16.7		14.6	14.1		12.7	11.9		10.7	9.7							180			
185	21.6	21.4	20.3	21	19.6	17.5	19	18.8	17.7	17	16.6		14.4	13.9		12.5	11.7		10.5	9.5							185			
190	21.6	21.3	20.1	20.3	19	17.1	18.9	18.7	17.2	16.9	16.4	15.4	14.3	13.8		12.3	11.6		10.3	9.4							190			
195	21.3	20.8	19.6	19.6	18.4	16.6	18.6	18.6	16.7	16.7	16.3	15.2	14.2	13.7		12.2	11.5		10.1	9.3							195			
200	20.7	20.2	19.1	18.9	17.8	16.1	18.3	18.1	16.3	16.6	16.2	14.9	14	13.5	4.2	12	11.3		9.9	9.1							200			
205	20	19.6	18.6	18.3	17.2	15.6	17.9	17.6	15.8	16.4	16.1	14.4	13.9	13.4	4.5	11.9	11.2		9.8	9							205			
210		19	18.1		16.7	15.2	17.5	17.1	15.4	16.2	15.9	14	13.8	13.3	4.8	11.7	11.1		9.6	8.8							210			
215		18.4	17.6		16.2	14.8	17	16.5	14.9	15.8	15.6	13.6	13.6	13.1	4.9	11.6	10.9		9.4	8.7							215			
220		17.8	17.1		15.6	14.3		16	14.5		15.2	13.2		13	5	11.4	10.8		9.3	8.6							220			
225		17.1	16.7		15.1	13.9		15.6	14.1		14.7	12.8		12.9	5		10.7			8.4							225			
230			16.2			13.5		15	13.7		14.2	12.5		12.8	5.1		10.6	2.7		8.3	3						230			
235			15.7			13.1		14.5	13.3		13.7	12.1		12.7	5.1		10.4	2.7		8.1	3.1						235			
240			15.2			12.6			12.9		13.2	11.7		11.8	5		10.3	2.7		8	3.1						240			
245					12.2				12.5			11.3			4.8		10	2.8		7.8	3.2						245			
250									12.1			11			4.5			2.7		7.6	3.2						250			
255									11.8			10.6			4.2			2.7		7.4	3.2						255			
260												10.3			3.8						3.1						260			
265															3.3						3						265			
270																					2.9						270			
275																					2.7						275			

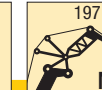
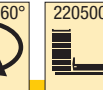
* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64901_00_000



Lifting capacities Forces de levage

TYVEN

																									
	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*			215 + 23 ft*						
	197 ft			197 ft			197 ft			197 ft			197 ft			197 ft			197 ft						
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°					
95	22			20.8																		95			
100	22.3			21.1				19			16.3											100			
105	22.5			21.4				19.3			17.1			13.9								105			
110	22.8			21.6				19.6			17.4			14.4								110			
115	23			21.7				19.8			17.6			14.7			11.3					115			
120	23.2			21.8				19.9			17.8			15			12.6					120			
125	23.3			21.9				19.9			18			15.2			12.9					125			
130	23.1			21.9				19.9			18			15.3			13.1			10.6		130			
135	23	22.2		21.9	21.6			19.9			17.9			15.3			13.3			11.4		135			
140	22.8	22.1		21.9	21.6			19.8	20		17.9			15.3			13.3			11.4		140			
145	22.6	22.1		21.8	21.5			19.8	19.9		17.8			15.2			13.3			11.4		145			
150	22.4	22		21.8	21.4			19.7	19.8		17.8	17.5		15.1	14.8		13.3			11.4		150			
155	22.3	21.9		21.7	21.4			19.6	19.6		17.7	17.4		15.1	14.7		13.2			11.3		155			
160	22.1	21.9		21.7	21.3			19.6	19.5		17.6	17.2		15	14.6		13.1	12.3		11.2		160			
165	22	21.7	20.3	21.6	21.2			19.5	19.4		17.5	17.1		14.9	14.5		13.1	12.2		11.1		165			
170	21.9	21.6	20.3	21.6	21.2			19.4	19.2		17.4	17		14.8	14.3		13	12.1		11	9.9	170			
175	21.8	21.5	20.3	21.5	20.7	18.4		19.3	19.1		17.3	16.8		14.7	14.2		12.8	12		10.8	9.8	175			
180	21.7	21.4	20.3	21.3	20.2	17.8		19.2	19	15.6	17.1	16.7		14.6	14.1		12.7	11.9		10.7	9.7	180			
185	21.6	21.4	20.2	21	19.6	17.1		19	18.8	15	17	16.6		14.4	13.9		12.5	11.7		10.5	9.5	185			
190	21.6	21.3	19.7	20.3	19	16.4		18.9	18.7	14.4	16.9	16.4	11.1	14.3	13.8		12.3	11.6		10.3	9.4	190			
195	21.3	20.8	18.9	19.6	18.4	15.8		18.6	18.6	13.8	16.7	16.3	10.6	14.2	13.7		12.2	11.5		10.1	9.3	195			
200	20.7	20.2	18.2	18.9	17.8	15.2		18.3	18.1	13.3	16.6	16.2	10.1	14	13.5	4.2	12	11.3		9.9	9.1	200			
205	20	19.6	17.5	18.3	17.2	14.7		17.9	17.6	12.8	16.4	16	9.7	13.9	13.4	4.5	11.9	11.2		9.8	9	205			
210		19	16.8		16.7	14.1		17.5	17.1	12.3	16.2	15.7	9.3	13.8	13.3	4.8	11.7	11.1		9.6	8.8	210			
215		18.4	16.1		16.2	13.6		17	16.5	11.8	15.8	15.1	8.9	13.6	13.1	4.9	11.6	10.9		9.4	8.7	215			
220		17.8	15.5		15.6	13.1		16	11.3			14.6	8.5		12.9	5	11.4	10.6		9.3	8.5	220			
225		17.1	14.9		15.1	12.7			15.6	10.9		14.1	8.1		12.6	5		10.2			8.3	225			
230			14.3			12.2			15	10.5		13.6	7.7		12.1	5.1		9.8	2.7		7.9	230			
235			13.8			11.8			14.5	10.1		13.2	7.4		11.7	5.1		9.4	2.7		7.6	235			
240			13.3			11.3				9.7		12.8	7.1		11.3	5		9.1	2.7		7.2	240			
245						10.8				9.4			6.7			4.8		8.7			6.9	245			
250										9			6.4			4.5					6.6	250			
255									8.7				6.1			4.2					6.3	255			
260													5.8			3.8						260			
265																3.3						265			

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_64905_00_000



Lifting capacities Forces de levage

TYVEN

		 115 – 198 ft T			 11.5 ft V			 E			 217 ft N			 360°			 308600 lbs			 85%		
 ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*		 ft				
	217 ft			217 ft			217 ft			217 ft			217 ft			217 ft						
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°					
95	18.3																	95				
100	18.4				16			15										100				
105	18.5				16.3			15.3			13							105				
110	18.6				16.5			15.4			13.3							110				
115	18.7				16.8			15.6			13.6			9.2			7.8	115				
120	18.8				16.9			15.7			13.7			10.1			8.8	120				
125	18.8				17.1			15.8			13.9			11			9.1	125				
130	18.8				17.2			15.8			14			11.2			9.3	130				
135	18.8				17.3			15.7			14			11.4			9.5	135				
140	18.7	17.7			17.3			15.7			14			11.5			9.7	140				
145	18.5	17.8			17.3	17.1		15.7	15.9		13.9			11.6			9.8	145				
150	18.4	17.8			17.3	17.2		15.6	15.9		13.9			11.7			9.8	150				
155	18.2	17.8			17.3	17.2		15.5	15.9		13.8	13.9		11.7			9.7	155				
160	18.1	17.7			17.3	17.2		15.5	15.8		13.8	13.8		11.6	11.6		9.7	160				
165	18	17.7			17.3	17.2		15.4	15.7		13.7	13.7		11.6	11.4		9.6	165				
170	17.9	17.6			17.2	17.1		15.3	15.6		13.6	13.6		11.5	11.3		9.6	170				
175	17.7	17.5			17.2	17.1		15.3	15.4		13.6	13.5		11.5	11.2		9.5	8.3	175			
180	17.6	17.4	16.2		17.1	17		15.2	15.3		13.5	13.4		11.4	11.1		9.5	8.4	180			
185	17.6	17.3	16.2		17	17	15.3	15.1	15.2		13.4	13.3		11.4	11		9.4	8.4	185			
190	17.5	17.1	16.2		16.8	16.9	15.5	14.9	15.1	14.1	13.3	13.2		11.3	10.9		9.3	8.4	190			
195	17.4	17.1	15.9		16.7	16.8	15	14.7	15	14.1	13.2	13.1		11.2	10.8		9.2	8.4	195			
200	17.3	16.8	15.5		16.5	16.5	14.6	14.5	14.9	13.8	13.1	12.9		11.1	10.7		9.1	8.3	200			
205	17.1	16.4	15.1		16.3	16.1	14.2	14.3	14.8	13.4	13	12.8	10.6	11	10.6		9	8.1	205			
210	16.6	15.9	14.7		16.1	15.5	13.8	14.1	14.7	13	12.9	12.7	10.7	10.9	10.5		8.9	8	210			
215	16	15.4	14.2		15.9	15.1	13.4	13.8	14.4	12.6	12.7	12.6	10.8	10.8	10.4		8.8	7.9	215			
220	15.4	14.9	13.8		15.6	14.6	13	13.5	13.9	12.2	12.4	12.5	10.8	10.7	10.3		8.7	7.7	220			
225	14.8	14.4	13.5		15.2	14.1	12.7	13.1	13.5	11.9	12.1	12.5	10.7	10.5	10.2	3.2	8.6	7.4	225			
230		13.9	13.1			13.7	12.3	12.8	13	11.5	11.7	12.3	10.5	10.2	10.1	3.3	8.5	7.1	230			
235		13.4	12.7			13.2	11.9	12.4	12.6	11.1	11.3	12	10.1	9.8	10	3.4	8.1	6.8	235			
240		12.9	12.3			12.7	11.5		12.2	10.7		11.6	9.8		9.9	3.4	7.7	6.3	240			
245			11.9			12.3	11.1		11.8	10.4		11.2	9.5		9.8	3.5		5.8	245			
250			11.5				10.8		11.4	10.1		10.8	9.1		9.8	3.5		5.3	250			
255			11.1				10.4		10.8	9.8		10.5	8.8		9.7	3.4		4.8	255			
260			10.7				10.1			9.4		10	8.5		9.2	3.3		4.2	260			
265							9.7			9.1			8.2			3.1		3.5	265			
270										8.7			7.8						270			
275										8.2			7.1						275			
280													6.2						280			

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65001_00_000



Lifting capacities Forces de levage

TYVEN

		115 – 198 ft T			11.5 ft V			217 ft N			360°			220500 lbs			85%		
ft	ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*			198 + 23 ft*		
		217 ft			217 ft			217 ft			217 ft			217 ft			217 ft		
		82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°
95	18.3																		
100	18.4				16			15											
105	18.5				16.3			15.3			13								
110	18.6				16.5			15.4			13.3								
115	18.7				16.8			15.6			13.6			9.2			7.8		
120	18.8				16.9			15.7			13.7			10.1			8.8		
125	18.8				17.1			15.8			13.9			11			9.1		
130	18.8				17.2			15.8			14			11.2			9.3		
135	18.8				17.3			15.7			14			11.4			9.5		
140	18.7	17.7			17.3			15.7			14			11.5			9.7		
145	18.5	17.8			17.3	17.1		15.7	15.9		13.9			11.6			9.8		
150	18.4	17.8			17.3	17.2		15.6	15.9		13.9			11.7			9.8		
155	18.2	17.8			17.3	17.2		15.5	15.9		13.8	13.9		11.7			9.7		
160	18.1	17.7			17.3	17.2		15.5	15.8		13.8	13.8		11.6	11.6		9.7		
165	18	17.7			17.3	17.2		15.4	15.7		13.7	13.7		11.6	11.4		9.6		
170	17.9	17.6			17.2	17.1		15.3	15.6		13.6	13.6		11.5	11.3		9.6		
175	17.7	17.5			17.2	17.1		15.3	15.4		13.6	13.5		11.5	11.2		9.5	8.3	
180	17.6	17.4	16.2		17.1	17		15.2	15.3		13.5	13.4		11.4	11.1		9.5	8.4	
185	17.6	17.3	16.2		17	17	15.3	15.1	15.2		13.4	13.3		11.4	11		9.4	8.4	
190	17.5	17.1	16.2		16.8	16.9	15.2	14.9	15.1	13.5	13.3	13.2		11.3	10.9		9.3	8.4	
195	17.4	17.1	15.9		16.7	16.8	14.7	14.7	15	12.9	13.2	13.1		11.2	10.8		9.2	8.4	
200	17.3	16.8	15.5		16.5	16.5	14.1	14.5	14.9	12.4	13.1	12.9	9.3	11.1	10.7		9.1	8.3	
205	17.1	16.4	15.1		16.3	16.1	13.6	14.3	14.8	11.9	13	12.8	8.9	11	10.6		9	8.1	
210	16.6	15.9	14.7		16.1	15.5	13	14.1	14.7	11.4	12.9	12.7	8.5	10.9	10.5		8.9	8	
215	16	15.4	14.2		15.9	15.1	12.5	13.8	14.4	10.9	12.7	12.6	8.1	10.8	10.4		8.8	7.9	
220	15.4	14.9	13.8		15.6	14.6	12	13.5	13.9	10.5	12.4	12.5	7.7	10.7	10.3		8.7	7.7	
225	14.8	14.4	13.5		15.2	14.1	11.6	13.1	13.5	10.1	12.1	12.5	7.3	10.5	10.2	3.2	8.6	7.4	
230		13.9	13.1		13.7	11.2	12.8	13	9.6	11.7	12.3	6.9	10.2	10.1	3.3		8.5	7.1	
235		13.4	12.7		13.2	10.7	12.4	12.6	9.2	11.3	12	6.6	9.8	10	3.4		8.1	6.8	
240		12.9	12.3		12.7	10.3		12.2	8.9		11.6	6.3		9.9	3.4		7.7	6.3	
245			11.9		12.3	9.9		11.8	8.5		11.2	6		9.8	3.5			5.8	
250			11.5			9.5		11.4	8.2		10.8	5.7		9.5	3.5			5.3	
255			11.1			9.2		10.8	7.8		10.5	5.4		9.1	3.4			4.8	
260			10.7			8.8			7.5		10	5.1		8.8	3.2			4.2	
265						8.5			7.2			4.8			2.9			3.5	
270									6.9			4.5							
275									6.6			4.3							
280												4							

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65005_00_000



Lifting capacities Forces de levage

TYVEN

115 – 198 ft T 11.5 ft V 236 ft N 360° 308600 lbs 85%																	
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		198 + 23 ft*		ft
	236 ft			236 ft			236 ft			236 ft			236 ft		236 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	
100	14.3																100
105	14.3			12.3			11.3										105
110	14.4			12.4			11.6										110
115	14.5			12.6			11.8			9.7			6.7				115
120	14.6			12.8			12			10.1			7.3				120
125	14.6			13			12.1			10.3			7.7		4.9		125
130	14.7			13.1			12.2			10.5			8.2		5.7		130
135	14.6			13.2			12.2			10.7			8.4		6.3		135
140	14.5			13.3			12.3			10.7			8.5		6.7		140
145	14.5	13.2		13.4			12.3			10.8			8.7		6.9		145
150	14.4	13.4		13.4			12.3			10.8			8.7		7		150
155	14.3	13.5		13.4	12.8		12.2			10.8			8.8		7.1		155
160	14.3	13.6		13.4	13		12.2	12.2		10.8			8.8		7.2		160
165	14.2	13.7		13.5	13.1		12.1	12.4		10.7	10.9		8.8		7.2		165
170	14.1	13.8		13.5	13.2		12.1	12.4		10.7	10.8		8.7	8.9	7.2		170
175	14	13.7		13.4	13.3		12	12.3		10.6	10.7		8.7	8.8	7.1		175
180	13.9	13.7		13.4	13.3		11.9	12.3		10.6	10.7		8.7	8.7	7.1	6.2	180
185	13.8	13.6	11.7	13.3	13.3		11.8	12.2		10.5	10.6		8.6	8.6	7.1	6.3	185
190	13.7	13.5	11.9	13.2	13.2		11.7	12.1		10.5	10.5		8.6	8.5	7	6.3	190
195	13.6	13.5	12.1	13	13.2		11.6	12		10.4	10.4		8.5	8.4	7	6.4	195
200	13.5	13.4	12.3	12.9	13.1	11.4	11.5	11.9		10.4	10.3		8.5	8.3	6.9	6.4	200
205	13.4	13.3	12.4	12.8	13	11.6	11.3	11.8	10.6	10.3	10.2		8.4	8.2	6.9	6.4	205
210	13.3	13.3	12.5	12.7	13	11.8	11.2	11.8	10.7	10.1	10.1	7.9	8.4	8.1	6.8	6.4	210
215	13.2	13.2	12.5	12.5	12.9	11.9	11	11.7	10.8	10	10	8	8.3	8.1	6.7	6.3	215
220	13	13.2	12.4	12.4	12.9	11.7	10.8	11.6	10.7	9.8	9.9	8.2	8.2	8	6.6	6.2	220
225	12.9	13.1	12.2	12.2	12.8	11.3	10.6	11.5	10.6	9.7	9.8	8.3	8.1	7.9	6.6	6.1	225
230	12.8	13	11.8	12.1	12.7	11	10.4	11.5	10.2	9.5	9.8	8.4	8.1	7.8	6.5	6	230
235	12.7	12.5	11.4	11.9	12.3	10.7	10.1	11.4	9.9	9.3	9.7	8.4	7.8	7.7	6.4	5.8	235
240	12.5	12.1	11.1	11.8	11.9	10.3	9.9	11.2	9.6	9	9.6	8.3	7.6	7.6	6.2	5.6	240
245	12.1	11.7	10.8	11.6	11.4	10	9.6	10.8	9.3	8.7	9.6	8.1	7.3	7.6	6	5.4	245
250		11.3	10.5		11	9.7	9.4	10.5	9	8.5	9.5	7.9	7	7.5	5.7	5.2	250
255		10.9	10.1		10.6	9.4	9	10.1	8.6	8.2	9.5	7.7	6.7	7.4	5.4	4.8	255
260		10.4	9.8		10.3	9.1		9.7	8.3		9.2	7.5		7.4	5	4.4	260
265			9.4		9.8	8.8		9.4	8.1		8.9	7.2		7		3.9	265
270			9.1			8.5		9	7.8		8.5	7		6.3		3.5	270
275			8.8			8.1		8.5	7.6		8.2	6.8		5.4		3.1	275
280			8.4			7.9			7.3		7.8	6.6		4.5			280
285						7.6			7.1			6.3					285
290									6.8			6					290
295									6.4			5.6					295
300												4.7					300

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65101_00_000



Lifting capacities Forces de levage

TYVEN

115 – 182 ft T 11.5 ft V 236 ft N 360° 220500 lbs 85%																		
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		198 + 23 ft*		ft	
	236 ft			236 ft			236 ft			236 ft			236 ft		236 ft			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°		
100	14.3																100	
105	14.3				12.3			11.3									105	
110	14.4				12.4			11.6									110	
115	14.5				12.6			11.8			9.7		6.7				115	
120	14.6				12.8			12			10.1		7.3				120	
125	14.6				13			12.1			10.3		7.7		4.9		125	
130	14.7				13.1			12.2			10.5		8.2		5.7		130	
135	14.6				13.2			12.2			10.7		8.4		6.3		135	
140	14.5				13.3			12.3			10.7		8.5		6.7		140	
145	14.5	13.2			13.4			12.3			10.8		8.7		6.9		145	
150	14.4	13.4			13.4			12.3			10.8		8.7		7		150	
155	14.3	13.5			13.4	12.8		12.2			10.8		8.8		7.1		155	
160	14.3	13.6			13.4	13		12.2	12.2		10.8		8.8		7.2		160	
165	14.2	13.7			13.5	13.1		12.1	12.4		10.7	10.9	8.8		7.2		165	
170	14.1	13.8			13.5	13.2		12.1	12.4		10.7	10.8	8.7	8.9	7.2		170	
175	14	13.7			13.4	13.3		12	12.3		10.6	10.7	8.7	8.8	7.1		175	
180	13.9	13.7			13.4	13.3		11.9	12.3		10.6	10.7	8.7	8.7	7.1	6.2	180	
185	13.8	13.6	11.7		13.3	13.3		11.8	12.2		10.5	10.6	8.6	8.6	7.1	6.3	185	
190	13.7	13.5	11.9		13.2	13.2		11.7	12.1		10.5	10.5	8.6	8.5	7	6.3	190	
195	13.6	13.5	12.1		13	13.2		11.6	12		10.4	10.4	8.5	8.4	7	6.4	195	
200	13.5	13.4	12.3		12.9	13.1	11.4	11.5	11.9		10.4	10.3	8.5	8.3	6.9	6.4	200	
205	13.4	13.3	12.4		12.8	13	11.6	11.3	11.8	10.6	10.3	10.2	7.5	8.4	8.2	6.9	6.4	205
210	13.3	13.3	12.5		12.7	13	11.8	11.2	11.8	10.4	10.1	10.1	7.4	8.4	8.1	6.8	6.4	210
215	13.2	13.2	12.5		12.5	12.9	11.5	11	11.7	9.9	10	10	7	8.3	8.1	6.7	6.3	215
220	13	13.2	12.4		12.4	12.9	11	10.8	11.6	9.5	9.8	9.9	6.6	8.2	8	6.6	6.2	220
225	12.9	13.1	12.2		12.2	12.8	10.6	10.6	11.5	9	9.7	9.8	6.3	8.1	7.9	6.6	6.1	225
230	12.8	13	11.8		12.1	12.7	10.2	10.4	11.5	8.6	9.5	9.8	5.9	8.1	7.8	6.5	6	230
235	12.7	12.5	11.4		11.9	12.3	9.7	10.1	11.4	8.3	9.3	9.7	5.6	7.8	7.7	6.4	5.8	235
240	12.5	12.1	11.1		11.8	11.9	9.3	9.9	11.2	7.9	9	9.6	5.3	7.6	7.6	6.2	5.6	240
245	12.1	11.7	10.8		11.6	11.4	9	9.6	10.8	7.5	8.7	9.6	5	7.3	7.6	6	5.4	245
250		11.3	10.5			11	8.6	9.4	10.5	7.2	8.5	9.5	4.7	7	7.5	5.7	5.2	250
255		10.9	10.1			10.6	8.2	9	10.1	6.9	8.2	9.5	4.4	6.7	7.4	5.4	4.8	255
260		10.4	9.8			10.3	7.9		9.7	6.5		9.2	4.1		7.4	5	4.4	260
265			9.4			9.8	7.6		9.4	6.2		8.9	3.8		7		3.9	265
270			9.1				7.3		9	5.9		8.5	3.6		6.3		3.5	270
275			8.8				7		8.5	5.7		8.2	3.3		5.4		3.1	275
280			8.4				6.7			5.4		7.8	3.1		4.5			280
285							6.4			5.1			2.9					285
290										4.9								290
295										4.6								295

* adapter 11.5 ft + telescopic boom extension 11.5 ft · pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65105_00_000



Lifting capacities Forces de levage

TYVEN

       85%															
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		ft
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
105	10.7														105
110	10.7														110
115	10.8			10			8.1								115
120	10.9			10.1			8.4			6.4					120
125	10.9			10.1			8.5			6.7			3		125
130	10.9			10.2			8.7			6.9			3.4		130
135	10.8			10.2			8.8			7.2			3.8		135
140	10.7			10.2			8.9			7.4			4.3		140
145	10.7			10.2			8.9			7.5			4.7		145
150	10.6			10.2			9			7.6			5.2		150
155	10.6	10		10.1			9			7.6			5.5		155
160	10.5	10.1		10.1	9.5		9			7.7			5.7		160
165	10.4	10.3		10	9.7		9	8.9		7.7			5.8		165
170	10.4	10.3		9.9	9.8		8.9	9.1		7.7			5.9		170
175	10.3	10.4		9.8	10		8.8	9.2		7.7	8		5.9	6.3	175
180	10.3	10.5		9.8	10.1		8.7	9.2		7.7	7.9		5.9	6.3	180
185	10.2	10.5		9.7	10.1		8.6	9.2		7.6	7.9		5.9	6.2	185
190	10.1	10.5		9.6	10.2		8.6	9.2		7.6	7.8		5.9	6.1	190
195	10	10.5		9.5	10.2		8.4	9.1		7.6	7.7		5.9	6.1	195
200	9.9	10.4	8.7	9.4	10.2		8.3	9.1		7.5	7.6		5.9	6	200
205	9.9	10.4	8.9	9.3	10.1		8.2	9		7.4	7.6		5.9	5.9	205
210	9.8	10.3	9	9.2	10.1		8.1	8.9	7.6	7.3	7.5		5.9	5.8	210
215	9.7	10.2	9.2	9.1	10		7.9	8.8	7.7	7.2	7.4		5.9	5.8	215
220	9.6	10.2	9.2	9	9.9		7.8	8.8	7.9	7	7.3		5.8	5.7	220
225	9.5	10.1	9.3	8.9	9.9		7.6	8.7	8	6.9	7.3	5.6	5.7	5.6	225
230	9.4	10	9.4	8.7	9.8		7.5	8.6	8	6.7	7.2	5.8	5.5	5.6	230
235	9.3	9.8	9.4	8.6	9.6		7.3	8.6	8	6.5	7.1	5.9	5.4	5.5	235
240	9.2	9.8	9.4	8.5	9.3		7.1	8.5	8	6.4	7	6	5.2	5.4	240
245	9.1	9.8	9.4	8.4	8.9	7.4	6.9	8.5	7.9	6.2	7	6.1	5	5.4	245
250	9	9.8	9.1	8.3	8.6	7.2	6.7	8.4	7.7	6	6.9	6.1	4.8	5.3	250
255	8.9	9.8	8.8	8.1	8.3	7	6.5	8.4	7.4	5.8	6.9	6.1	4.6	5.2	255
260	8.8	9.5	8.5	8	7.9	6.7	6.3	8.4	7.2	5.6	6.8	6	4.4	5.2	260
265	8.7	9.1	8.3	7.9	7.6	6.5	6.1	8.2	6.9	5.4	6.8	6	4.2	5.1	265
270		8.8	8		7.3	6.1		8	6.7	5.1	6.7	5.9	3.9	5.1	270
275		8.4	7.7		7	4.8		7.7	6.5	4.8	6.7	5.7	3.7	5	275
280		8	7.5		6.5	3.6		7.4	6.3		6.7	5.5		5	280
285			7.2		6.2			7.2	6.1		6.6	5.3		5	285
290			7					6.9	5.8		6.4	5.1		4.9	290
295			6.7					6.5	5.6		6.2	4.9		4.9	295
300			6.4						5.4		5.9	4.7		4.9	300
305									5.2			4.5			305
310									5						310

* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65201_00_000



Lifting capacities Forces de levage

TYVEN

115 – 182 ft T 11.5 ft V 256 ft N 360° 220500 lbs 85%															
ft	115 + 23 ft*			132 + 23 ft*			149 + 23 ft*			165 + 23 ft*			182 + 23 ft*		ft
	256 ft			256 ft			256 ft			256 ft			256 ft		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
105	10.7														105
110	10.7														110
115	10.8			10			8.1								115
120	10.9			10.1			8.4			6.4					120
125	10.9			10.1			8.5			6.7			3		125
130	10.9			10.2			8.7			6.9			3.4		130
135	10.8			10.2			8.8			7.2			3.8		135
140	10.7			10.2			8.9			7.4			4.3		140
145	10.7			10.2			8.9			7.5			4.7		145
150	10.6			10.2			9			7.6			5.2		150
155	10.6	10		10.1			9			7.6			5.5		155
160	10.5	10.1		10.1	9.5		9			7.7			5.7		160
165	10.4	10.3		10	9.7		9	8.9		7.7			5.8		165
170	10.4	10.3		9.9	9.8		8.9	9.1		7.7			5.9		170
175	10.3	10.4		9.8	10		8.8	9.2		7.7	8		5.9	6.3	175
180	10.3	10.5		9.8	10.1		8.7	9.2		7.7	7.9		5.9	6.3	180
185	10.2	10.5		9.7	10.1		8.6	9.2		7.6	7.9		5.9	6.2	185
190	10.1	10.5		9.6	10.2		8.6	9.2		7.6	7.8		5.9	6.1	190
195	10	10.5		9.5	10.2		8.4	9.1		7.6	7.7		5.9	6.1	195
200	9.9	10.4	8.7	9.4	10.2		8.3	9.1		7.5	7.6		5.9	6	200
205	9.9	10.4	8.9	9.3	10.1		8.2	9		7.4	7.6		5.9	5.9	205
210	9.8	10.3	9	9.2	10.1		8.1	8.9	7.6	7.3	7.5		5.9	5.8	210
215	9.7	10.2	9.2	9.1	10		7.9	8.8	7.7	7.2	7.4		5.9	5.8	215
220	9.6	10.2	9.2	9	9.9		7.8	8.8	7.9	7	7.3	5.2	5.8	5.7	220
225	9.5	10.1	9.3	8.9	9.9		7.6	8.7	7.8	6.9	7.3	5	5.7	5.6	225
230	9.4	10	9.4	8.7	9.8		7.5	8.6	7.4	6.7	7.2	4.7	5.5	5.6	230
235	9.3	9.8	9.4	8.6	9.6		7.3	8.6	7	6.5	7.1	4.4	5.4	5.5	235
240	9.2	9.8	9.4	8.5	9.3		7.1	8.5	6.7	6.4	7	4	5.2	5.4	240
245	9.1	9.8	9.4	8.4	8.9	7.4	6.9	8.5	6.3	6.2	7	3.7	5	5.4	245
250	9	9.8	9.1	8.3	8.6	7.2	6.7	8.4	6	6	6.9	3.5	4.8	5.3	250
255	8.9	9.8	8.8	8.1	8.3	7	6.5	8.4	5.7	5.8	6.9	3.2	4.6	5.2	255
260	8.8	9.5	8.5	8	7.9	6.7	6.3	8.4	5.4	5.6	6.8	2.9	4.4	5.2	260
265	8.7	9.1	8.3	7.9	7.6	6.5	6.1	8.2	5.1	5.4	6.8		4.2	5.1	265
270		8.8	8		7.3	6.1		8	4.8	5.1	6.7		3.9	5.1	270
275		8.4	7.7		7	4.8		7.7	4.5	4.8	6.7		3.7	5	275
280		8	7.5		6.5	3.6		7.4	4.2		6.7			5	280
285			7.2		6.2			7.2	4		6.6			5	285
290			7					6.9	3.7		6.4			4.9	290
295			6.7					6.5	3.5		6.1			4.7	295
300			6.4						3.2		5.8			4.4	300
305									3						305
310									2.8						310

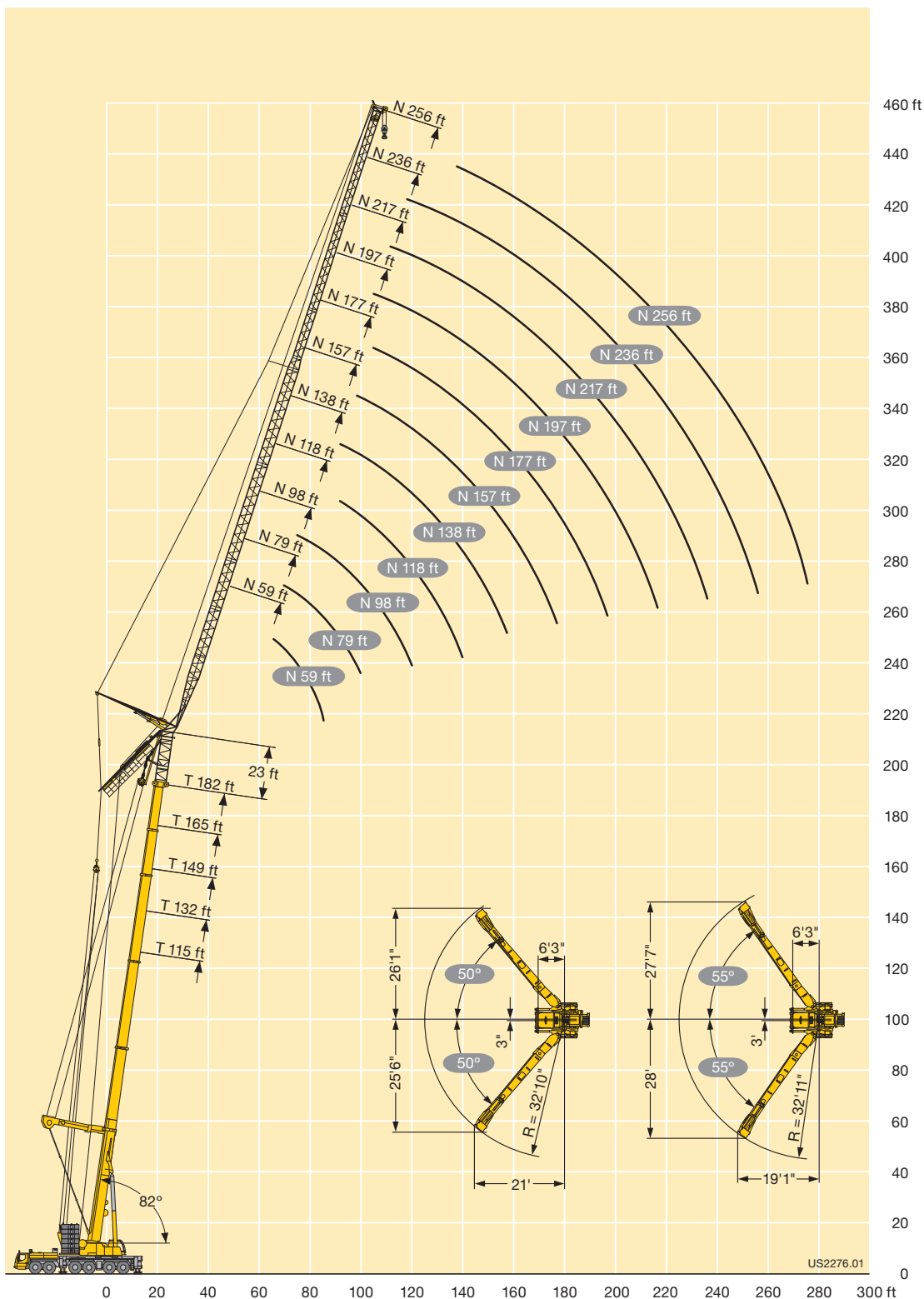
* adapter 11.5 ft + telescopic boom extension 11.5 ft - pièce d'adaptateur 11.5 ft + rallonge de flèche télescopique 11.5 ft

t_180_65205_00_000



Lifting heights Hauteurs de levage

TYVEN



Angle of the Y-suspension between 50° and 55° depending on the extension condition of the individual telescopic sections.
Angle du haubannage Y entre 50° et 55°, en fonction de l'état de sortie des différents éléments télescopiques.



Equipment Equipment

Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display
Engine	8-cylinder Diesel, make Liebherr, watercooled, output 450 kW (612 h.p.), max. torque 2106 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 127 gallons.
Transmission	Automatic transmission system with torque converter and intarder, make ZF, type TC-TRONIC with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
Axles	Low maintenance carrier axles, all 6 axles steered. Axle 1, 3 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.
Tyre equipment	12 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. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), intarder in gearbox. Hand brake: Spring-loaded, acting on all wheels of axles 2 to 6.
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 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	4-cylinder Diesel, make Liebherr, watercooled, output 180 kW (245 h.p.), max. torque 845 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 106 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). Pedal switches 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.
Luffing gear	1 differential hydraulic ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.
Counterweight	220500 lbs
Telescopic boom	1 base section and 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 49 ft – 230 ft.
Electric system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Guying system for telescopic boom Y	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position Self assembly.
Additional counterweight	4 additional counterweight slabs of 22050 lbs each for a total counterweight of 308600 lbs.
Lattice jibs	Fixed lattice jib 20 ft to 138 ft long, installation at 0°, 20°, 40° or 60°, luffing lattice jib 39 ft to 256 ft long.
2nd hoist gear	For 2-hook operation or for operating the luffing lattice jib.
Tyre equipment	12 tyres, size 525/80 R 25 (20.5 R 25).
Drive 12 x 8	The 4th axle is driven additionally.

Other items of equipment available on request.



Equipment Equipment

Châssis porteur

Châssis	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
Stabilisateurs	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. 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 450 kW (612 ch), couple max. 2106 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 127 gallons.
Boîte de vitesse	Boîte automatique avec convertisseur de couple et ralentisseur, marque ZF, type TC-TRONIC avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
Essieux	Essieux nécessitant peu d'entretien, les 6 essieux sont directeurs. Les essieux 1, 3 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Tous les essieux sont à suspension hydro-pneumatique avec mise à niveau automatique. Suspension blocable hydrauliquement.
Pneumatiques	12 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. Freins auxiliaire : par clapet sur échappement, frein Telma (option), ralentisseur monté sur boîte de vitesse. Frein de secours et frein à main: par cylindres à ressorts sur les essieux 2 à 6.
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 170 Ah chacune.

Partie tournante

Châssis	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
----------------	--

Moteur	Moteur diesel Liebherr, 4 cylindres, à refroidissement par eau, de 180 kW (245 ch), couple max. 845 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 106 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. 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.
Relevage de flèche	1 vérin hydraulique différentiel avec clapet anti-retour de sécurité.
Orientation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.
Cabine de grue	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	220500 lbs
Flèche télescopique	Un élément de base et de 5 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 49 ft – 230 ft.
Circuit électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Haubanage de flèche Y	Composé du chevalet d'haubanage avec haubanage du câble, rabattable hydrauliquement en position de transport. Montage autonome.
Contrepoids complémentaire	4 blocs latéraux de suspension de 22050 lbs pour un contrepoids total de 308600 lbs.
Fléchettes	Fléchette fixe de 20 ft à 138 ft; montable à 0°, 20°, 40° ou 60° fléchette à volée variable de 39 ft à 256 ft.
Deuxième treuil	Pour le travail avec 2 crochets ou le relevage de la fléchette à volée variable.
Pneumatiques	12 pneus. Taille 525/80 R 25 (20.5 R 25).
Entraînement 12 x 8	Le 4ème essieu est également entraîné.

Autres équipements supplémentaires sur demande.



Remarks referring to load charts

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 23 ft/s (7 m/s, 15.7 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centre.
6. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 343.3 kips / 463 kips only with additional pulley block/special equipment.
9. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques relatives aux tableaux des charges

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5.
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 23 ft/s (7 m/s, 15.7 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)(s) sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
7. Charges données sous réserve de modification.
8. Les charges supérieures à 343.3 kips / 463 kips seulement avec moufle additionnel/équipement supplémentaire.
9. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.