





# Mobile Crane/Grue mobile

## **LTM 1070-4.2**



	<b>80 USt</b>
	<b>164 ft</b>
	<b>155 ft</b>
	<b>220 ft</b>

# **LIEBHERR**



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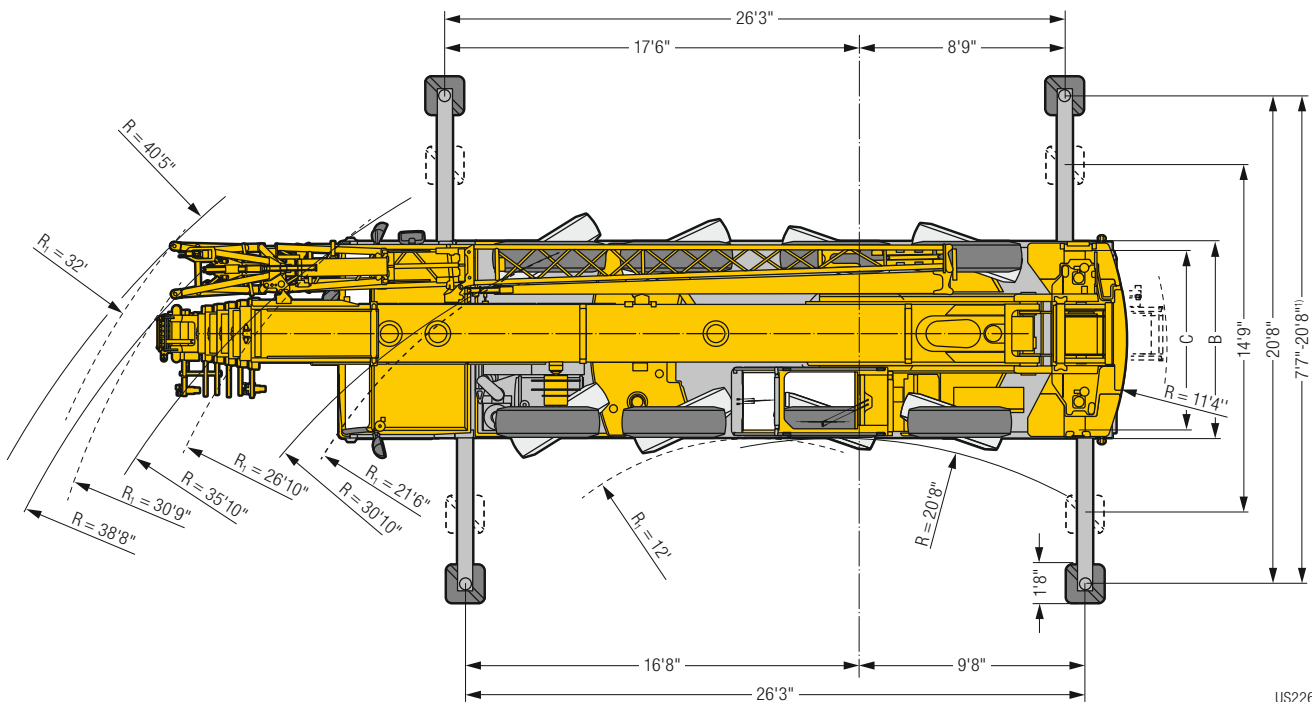
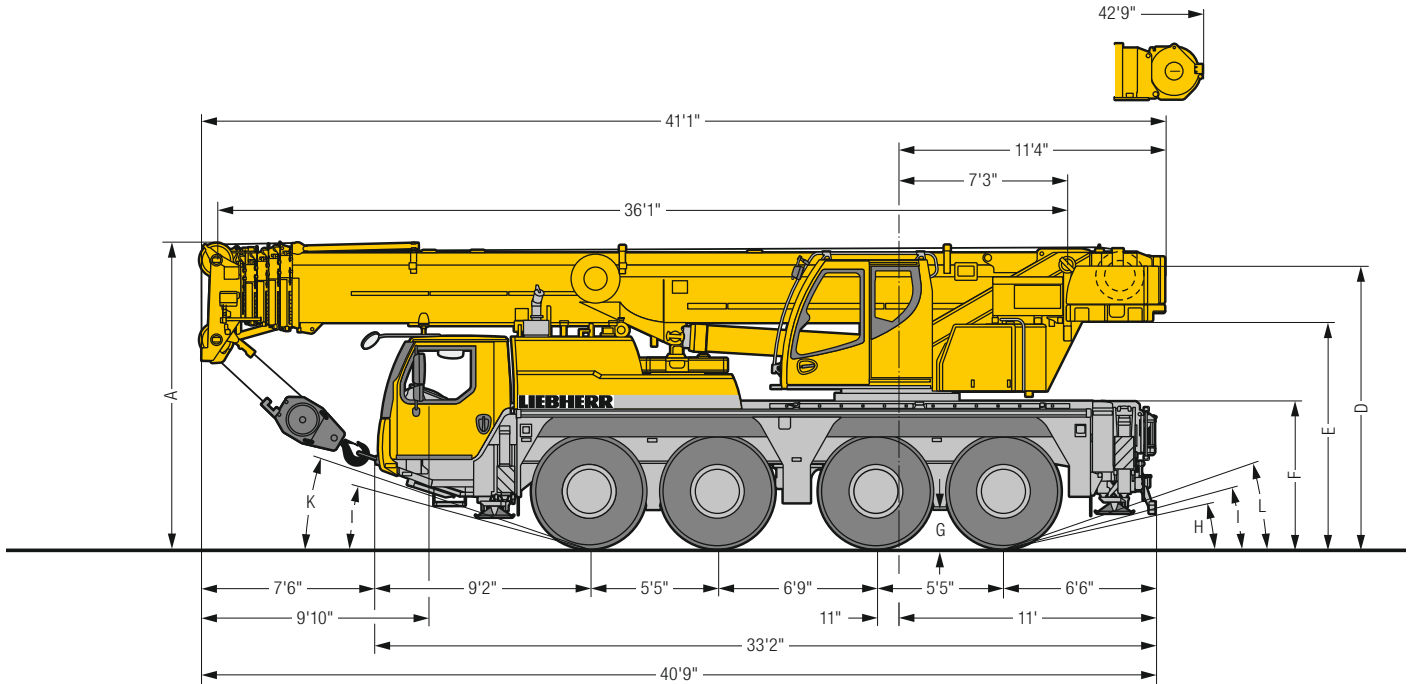
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# Dimensions Encombrement



US2262.04

R<sub>i</sub> = All-wheel steering · Direction toutes roues <sup>1)</sup> only with VarioBase® · seulement avec VarioBase®

## Dimensions/Encombrement

	A	A	B	C	D	E	F	G	H	I	K	L
		<b>0'4" *</b>										
445/95 R 25 (16.00 R 25)	13'	12'8"	8'4"	6'11"	11'11"	9'6"	6'1"	1'5"	13°	15°	21°	19°
525/80 R 25 (20.5 R 25)	13'	12'8"	8'10"	7'1"	11'11"	9'6"	6'1"	1'5"	13°	15°	21°	19°

\* lowered · abaissé



# Mobile Crane / Grue mobile

## LTM 1070-4.2



164 ft



31 ft – 52 ft



8.4 ft



10 ft

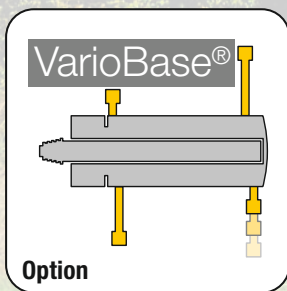


32,000 lbs

€COmode

€COdrive

ZF-TRAXON



Option

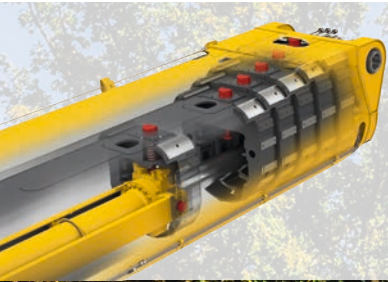


### Counterweight / Contrepoids

Fast changing system for various driving situations  
Système de changement rapide pour les configurations de conduite les plus diverses







Proven single cylinder telescoping system TELEMATIK  
Système de télescopage à un vérin confirmé TELEMATIK



Variable steering concept  
Concept de direction variable

S3236



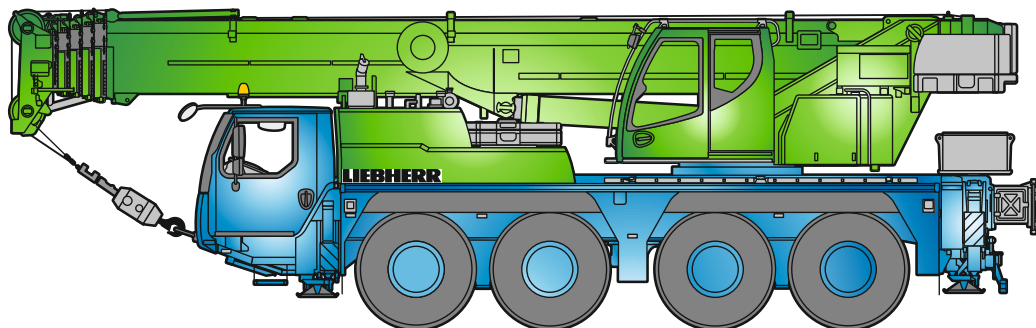


# Fuel saving and noise reduction

## Economie de carburant et réduction du bruit

### €COmode

Automatic regulation of the engine speed during crane mode reduce fuel about 10 %  
Régulation automatique de la vitesse du moteur pendant les travaux avec la grue permet de réduire la consommation de carburant jusqu'à env. 10 %



S3224.01





### €COdrive

New ZF-TraXon transmission  
Nouvelle boîte ZF-TraXon

Driving strategy in the carrier with ECO- or Powermode to reduce noise and fuel  
L'adaptation du mode de déplacement avec le mode ECO ou le mode Puissance permet de réduire le niveau sonore et la consommation de carburant





# Weights Poids

## Hook block/Moufles à crochet





			
154,300 lbs	7	14	1,100 lbs
128,800 lbs	5	11	1,100 lbs
84,500 lbs	3	7	990 lbs
37,250 lbs	1	3	800 lbs
12,600 lbs	–	1	240 lbs

# Working speeds Vitesses











## Crane carrier/Châssis porteur

	 min.	 max.	 %
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	> 60%

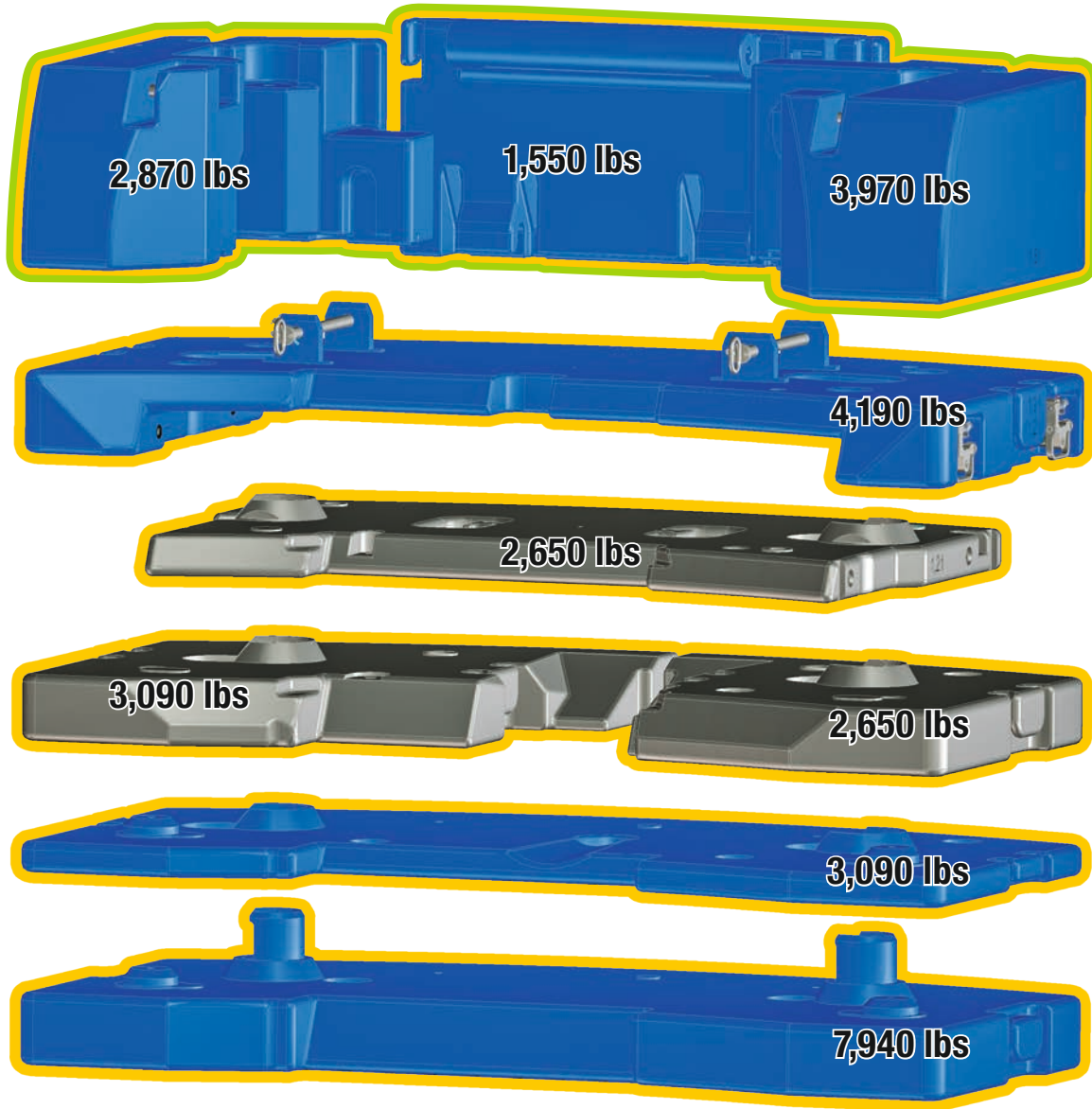
Theoretical gradeability/Aptitude théorique en pente

	
	12 / R2
	4 / R2

## Crane superstructure/Partie tournante

				 F
	0 – 410 ft/min single line ft/min au brin simple	0.67"	656 ft	12,800 lbs
	0 – 410 ft/min single line ft/min au brin simple	0.67"	656 ft	12,800 lbs
	0 – 1.7 rpm			
	approx. 50 seconds to reach 83° boom angle env. 50 s jusqu'à 83°			
	approx. 310 seconds for boom extension from 36 ft – 164 ft env. 310 s pour passer de 36 ft – 164 ft			

# Counterweight Contrepoids



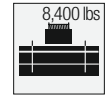
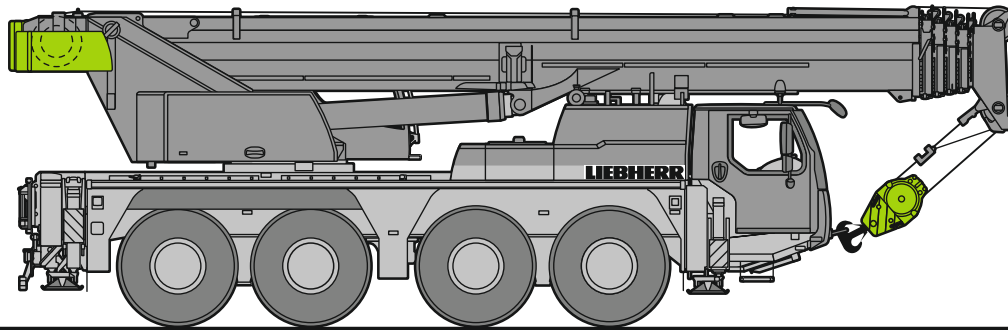
22,000 lbs axle load  
22,000 lbs de charge par essieu

26,400 lbs axle load  
26,400 lbs de charge par essieu

Technically transportable  
Transport techniquement simplifié

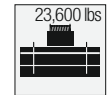
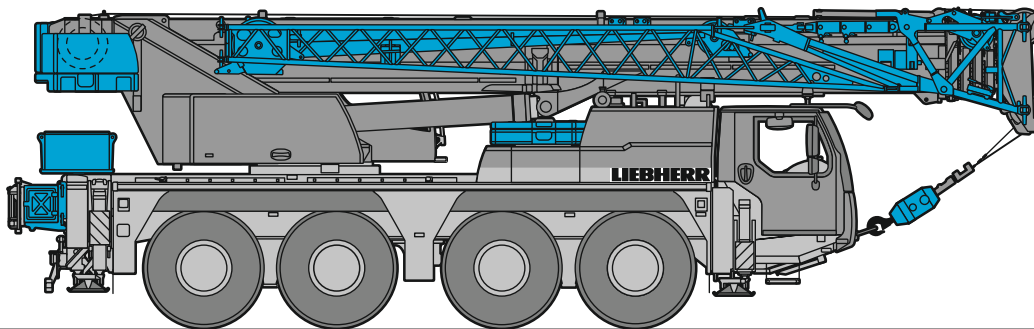


# On-road driving Déplacement sur route



≤ 88,000 lbs

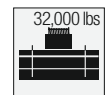
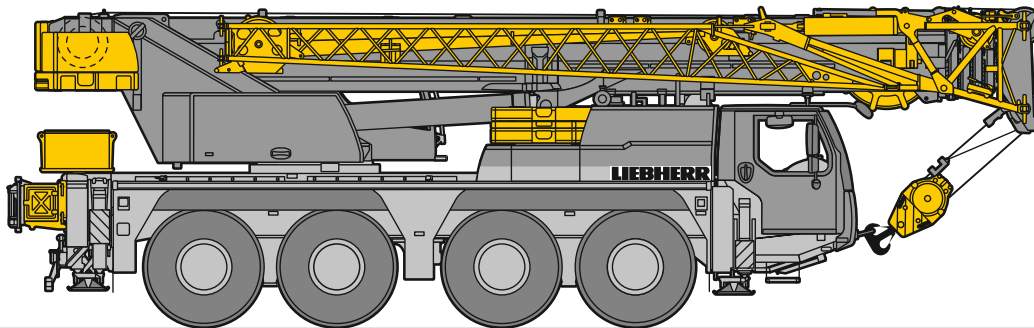
≤ 22,000 lbs ≤ 22,000 lbs ≤ 22,000 lbs ≤ 22,000 lbs



≤ 105,800 lbs

≤ 26,400 lbs ≤ 26,400 lbs ≤ 26,400 lbs ≤ 26,400 lbs

# Jobsite driving Déplacement sur chantier



≤ 116,800 lbs

≤ 30,900 lbs ≤ 30,900 lbs ≤ 30,900 lbs ≤ 30,900 lbs

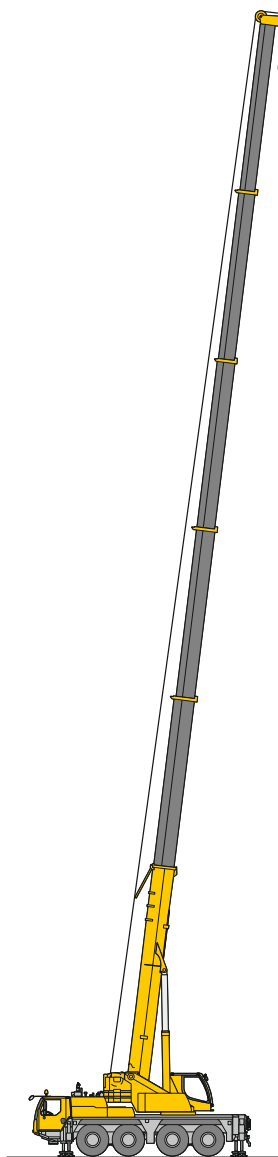
US3242

# Boom/jib combinations Configurations de flèche

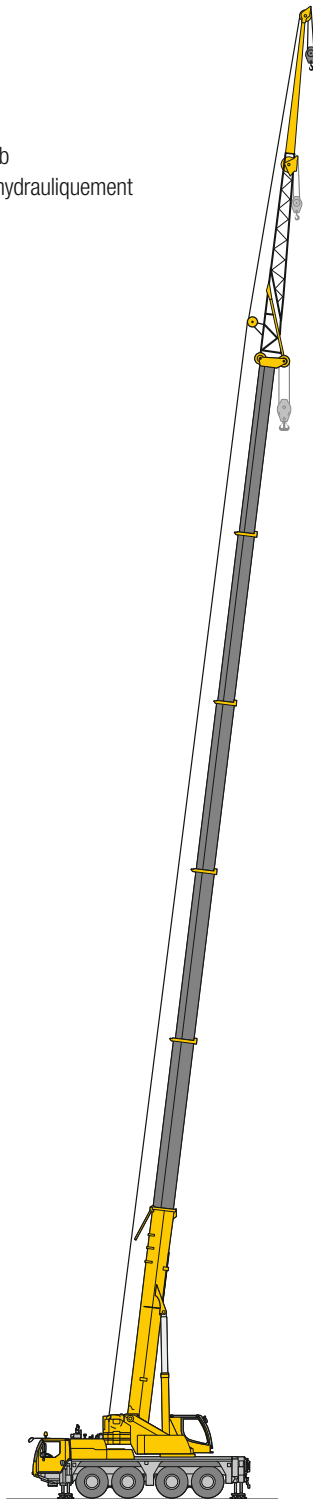
**T** Telescopic boom/Flèche télescopique

**K** Mechanical/hydraulic swing away jib  
**NZK** Fléchette pliante mécanique/hydraulique

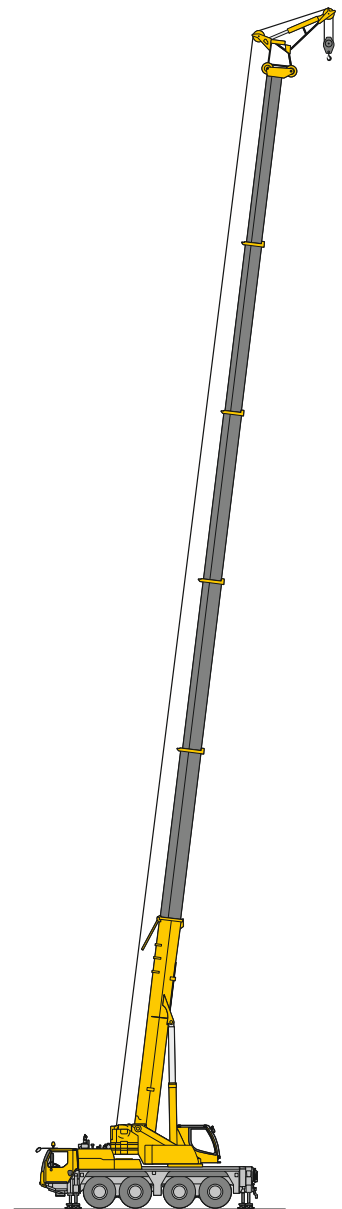
**HK** Mechanically/hydraulically adjustable assembly jib  
**NZHK** Fléchette de montage réglable mécaniquement/hydrauliquement



**T**  
11 – 20



**TK/TNZK**  
21 – 25



**THK/TNZHK**  
26 – 27

S3041





# Lifting capacities Forces de levage

T



85%

	* 36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft		
8	155.3												8	
9	151.2	126.1	125	118.9									9	
10	145.5	122.7	122.5	117.9									10	
11	136.2	115.8	115.7	114.5	94.5	77.5							11	
12	127.5	109.5	109.4	109.7	93.7	76.9							12	
13	119.2	103.6	103.6	103.8	92.6	76.3	62.2						13	
14	112	98.4	98.3	98.6	91.4	75.6	61.8	50.1					14	
15	105	93.3	93.3	93.7	89.8	75	61.4	50					15	
16	98.2	88.5	88.8	88.9	86.9	74.1	61	49.8	39.6				16	
17	92.3	84.3	84.7	84.9	83.8	73.1	60.6	49.6	39.5				17	
18	87	80.4	81.1	81.3	80.6	72	60.2	49.3	39.3				18	
20	76.9	72.9	73.9	74.3	74.1	69.5	59.4	48.7	39.1				20	
22	69.3	66.8	67.8	68.2	68	65.9	58.6	47.9	38.8	31.6	24.8		22	
24	62.5	61	62.1	62.5	62.3	60.9	55.7	46.5	38.6	31.4	24.7		24	
26			56.7	57.2	57.1	54.6	51	44.7	38.4	31.1	24.5	19.4	26	
28			52.5	52.6	52.1	49.5	46.6	42.4	37.4	30.9	24.2	19.3	16.2	28
30			48.6	48.3	47.4	45	42.5	40	36.2	30.5	23.9	19.1	16.2	30
32			44.7	44.9	43.5	41.3	39.2	37.7	34.8	29.9	23.6	19	16.1	32
34			41.4	41.8	40.2	38.4	36.6	35.4	33.2	29	23.2	18.7	16	34
36			38.4	38.9	37.3	35.9	34.4	33.1	31.3	28.1	22.7	18.5	15.9	36
38				35.9	34.5	33.4	32.1	30.8	29.4	27.1	22.3	18.3	15.8	38
40				33.2	32	31.1	30.1	28.7	27.6	26	21.8	18.1	15.7	40
45				27.9	27.5	26.6	25.9	24.6	23.6	22.2	20.5	17.3	15.2	45
50					23.9	23.1	22.5	21.4	20.5	19.8	18.5	16.4	14.6	50
55						20.3	19.7	18.9	18.2	17.6	16.6	15.5	14	55
60						18.1	17.3	17	16.3	15.5	14.8	14.3	13.2	60
65						15.8	15.3	15.4	14.5	13.7	13.5	12.6	12.2	65
70							13.6	13.8	12.9	12.5	12.1	11.1	10.9	70
75							12.3	12.2	11.7	11.4	10.8	9.9	9.7	75
80							11.2	10.8	10.6	10.2	9.6	8.8	8.6	80
85								9.7	9.6	9.2	8.6	7.8	7.6	85
90								8.8	8.7	8.3	7.7	6.9	6.8	90
95									7.8	7.4	7	6.2	6	95
100										6.7	6.2	5.5	5.3	100
105										6	5.6	4.8	4.7	105
110										5.4	5	4.3	4.2	110
115											4.4	3.8	3.7	115
120											3.9	3.3	3.2	120
125											3.4	2.8	2.8	125
130												2.3	2.3	130

\* over rear - en arrière

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# Lifting capacities

## Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
9	126.1	125	118.9										9
10	122.7	122.5	117.9										10
11	115.8	115.7	114.5	94.5	77.5								11
12	109.5	109.4	109.7	93.7	76.9								12
13	103.6	103.6	103.8	92.6	76.3	62.2							13
14	98.4	98.3	98.6	91.4	75.6	61.8	50.1						14
15	93.3	93.3	93.7	89.8	75	61.4	50						15
16	88.5	88.8	88.9	86.9	74.1	61	49.8	39.6					16
17	84.3	84.7	84.9	83.8	73.1	60.6	49.6	39.5					17
18	80.4	81.1	81.3	80.6	72	60.2	49.3	39.3					18
20	72.9	73.9	74.3	74.2	69.6	59.4	48.7	39.1					20
22	66.8	67.8	68.2	68.1	67.1	58.6	47.9	38.8	31.6	24.8			22
24	61	62.1	62.5	62.7	62.8	56.4	46.5	38.6	31.4	24.7			24
26		56.7	57.2	57.8	56.6	53	44.7	38.4	31.1	24.5	19.4		26
28		52.5	52.7	53.6	51.7	48.8	42.7	37.4	30.9	24.2	19.3	16.2	28
30		48.6	48.7	49.4	47.1	44.7	40.8	36.2	30.5	23.9	19.1	16.2	30
32		45	45.5	45.6	43.5	41.2	38.8	35	29.9	23.6	19	16.1	32
34		41.9	42.6	42.3	40.4	38.3	36.7	33.5	29.1	23.2	18.7	16	34
36		39.1	39.9	39.5	37.7	35.8	34.5	32	28.3	22.7	18.5	15.9	36
38			37.1	36.6	35.1	33.3	32.4	30.5	27.5	22.3	18.3	15.8	38
40			34.5	34.1	32.7	31.2	30.4	29	26.6	21.8	18.1	15.7	40
45			29.1	29.1	28.4	27.4	26.3	25.4	23.9	20.6	17.3	15.2	45
50				25.2	24.8	24.2	23.1	22.2	20.9	19.3	16.4	14.6	50
55					21.7	21.4	20.3	19.4	18.6	17.8	15.5	14	55
60					19	18.9	18	17.2	17.1	15.9	14.6	13.2	60
65					17.1	16.7	16.4	15.9	15.2	14	13.6	12.4	65
70						14.8	14.8	14.4	13.6	12.9	12.4	11.7	70
75						13.1	13.3	12.8	12.2	11.9	11.2	10.8	75
80						11.8	11.9	11.5	11	10.9	10	9.8	80
85							10.7	10.6	10.1	9.8	9	8.8	85
90							9.8	9.6	9.2	8.8	8.1	7.9	90
95								8.8	8.4	8	7.2	7.1	95
100									7.6	7.2	6.5	6.3	100
105									6.9	6.5	5.8	5.7	105
110									6.3	5.9	5.2	5.1	110
115										5.3	4.7	4.5	115
120										4.7	4.1	4	120
125										4.2	3.6	3.6	125
130											3.1	3.1	130
135											2.7	2.7	135
140												2.3	140

±60° over rear · ±60° en arrière

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# Lifting capacities Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
9	114.3	113.5	108.1										9
10	111.2	111	107.2										10
11	104.8	104.7	103.7	85.9	70.4								11
12	98.9	98.9	99.3	85.2	70								12
13	93.6	93.5	93.9	84.2	69.4	56.5							13
14	88.5	88.5	88.9	83.1	68.8	56.2	45.5						14
15	83.7	83.7	84	81.6	68.1	55.8	45.5						15
16	79.3	79.7	79.7	78.8	67.4	55.4	45.3	36					16
17	75.5	76	76.1	75.7	66.5	55.1	45.1	35.9					17
18	71.9	72.7	72.8	72.6	65.4	54.7	44.8	35.8					18
20	65	66	66.4	66.3	62.9	53.8	44.3	35.5					20
22	58.9	59.9	60.3	60.2	58	52.1	43.5	35.3	28.7	22.5			22
24	53.2	54.5	54.8	54.8	52.8	48.9	42.2	35.1	28.6	22.4			24
26		49.6	49.8	49.9	47.2	44.1	40.2	34.9	28.3	22.3	17.6		26
28		45.2	45.8	45.3	42.8	40.3	38	33.9	28.1	22	17.5	14.7	28
30		40.9	41.8	40.9	38.7	36.9	35.5	32.7	27.7	21.7	17.4	14.7	30
32		36.5	37.5	37.4	35.5	34.1	32.7	30.7	27.2	21.5	17.2	14.6	32
34		33.1	34.1	34.3	32.9	31.7	30.3	28.8	26.1	21.1	17	14.6	34
36		30.2	31.2	31.5	30.6	29.7	28.4	27	24.7	20.7	16.8	14.5	36
38			28.3	28.8	28.3	27.6	26.4	25.2	23.3	20.3	16.6	14.4	38
40			25.8	26.3	26.2	25.7	24.6	23.5	22	19.7	16.4	14.2	40
45			21.2	21.7	22.1	21.7	21	19.9	19.4	18	15.7	13.8	45
50				18.5	18.7	18.4	18.2	17.6	16.9	16	14.7	13.3	50
55					16	15.7	15.8	15.5	14.8	14.2	13.3	12.4	55
60					13.8	13.7	13.8	13.5	13	12.6	11.6	11.2	60
65					12	12.3	12	12	11.5	11	10.1	9.8	65
70						10.9	10.7	10.6	10.1	9.6	8.8	8.5	70
75						9.6	9.5	9.3	8.9	8.4	7.7	7.4	75
80						8.6	8.4	8.3	7.8	7.4	6.7	6.5	80
85							7.4	7.3	6.9	6.5	5.8	5.6	85
90							6.6	6.4	6.1	5.7	5.1	4.9	90
95								5.7	5.3	5	4.4	4.2	95
100									4.7	4.3	3.8	3.6	100
105									4.1	3.7	3.2	3.1	105
110									3.5	3.2	2.6	2.6	110
115										2.7	2.1	2.1	115
120										2.3			120

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# Lifting capacities Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft		
9	114.3	113.5	108.1										9	
10	111.2	111	107.2										10	
11	104.8	104.7	103.7	85.9	70.4								11	
12	98.9	98.9	99.3	85.2	70								12	
13	93.6	93.5	93.9	84.2	69.4	56.5							13	
14	88.5	88.5	88.9	83.1	68.8	56.2	45.5						14	
15	83.7	83.7	84	81.6	68.1	55.8	45.5						15	
16	79.3	79.7	79.7	78.8	67.4	55.4	45.3	36					16	
17	75.5	76	76.1	75.7	66.5	55.1	45.1	35.9					17	
18	71.9	72.7	72.8	72.6	65.4	54.7	44.8	35.8					18	
20	65	66	66.4	66.3	63.1	54	44.3	35.5					20	
22	58.9	59.9	60.3	60.3	59.7	53.2	43.5	35.3	28.7	22.5			22	
24	53.2	54.5	54.9	55.2	55.3	50.8	42.3	35.1	28.6	22.4			24	
26		49.7	50	50.9	50.1	46.8	40.6	34.9	28.3	22.3	17.6		26	
28		45.6	46.2	46.8	45.6	42.9	38.7	34	28.1	22	17.5	14.7	28	
30		41.7	42.7	42.9	41.5	39.3	36.7	32.9	27.7	21.7	17.4	14.7	30	
32		38.3	39.2	39.4	38.3	36.4	34.9	31.8	27.2	21.5	17.2	14.6	32	
34		35.1	36.1	36.3	35.4	33.9	32.9	30.3	26.5	21.1	17	14.6	34	
36		32.2	33.2	33.4	32.9	31.9	30.8	28.8	25.7	20.7	16.8	14.5	36	
38			30.3	30.5	30.4	29.8	28.7	27.2	24.9	20.3	16.6	14.4	38	
40			27.7	27.9	28.1	27.8	26.8	25.6	23.9	19.8	16.4	14.2	40	
45			23	23.5	23.4	23.5	23	22.1	20.6	18.7	15.7	13.8	45	
50				20	20.2	20.1	19.7	19.1	18.4	17	14.9	13.3	50	
55					17.6	17.2	17	16.7	16.4	15.2	14.1	12.7	55	
60					15.2	14.9	15	14.9	14.3	13.5	13	12	60	
65					13.4	13.2	13.4	13	12.6	12.4	11.5	11	65	
70						12	11.9	11.7	11.3	11	10.1	9.7	70	
75						10.8	10.6	10.5	10.2	9.7	8.9	8.6	75	
80							9.7	9.5	9.4	9	8.6	7.9	7.6	80
85								8.5	8.4	8.1	7.6	6.9	6.7	85
90								7.7	7.5	7.2	6.8	6.1	5.9	90
95									6.7	6.4	6	5.4	5.2	95
100										5.7	5.3	4.7	4.5	100
105										5	4.7	4.1	3.9	105
110										4.4	4.1	3.5	3.4	110
115											3.6	3	3	115
120											3.1	2.5	2.5	120
125											2.6			125

±60° over rear · ±60° en arrière

t\_189\_00012\_00\_002



# Lifting capacities Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	111	110.8	107.4										10
11	104.5	104.4	104.1	86.2	70.5								11
12	98.7	98.6	98.9	85.2	69.9								12
13	93.2	93.1	93.5	84.2	69.4	56.5							13
14	88	87.9	88.3	83.2	68.8	56.2							14
15	83.2	83.1	83.5	81.7	68.2	55.8	45.5						15
16	78.8	78.8	79.1	78.9	67.5	55.4	45.3	36					16
17	74.8	75.8	75.7	76	66.5	55.1	45.1	35.9					17
18	71.2	72.1	72.4	72.3	65.4	54.7	44.8	35.8					18
19	67.6	68.7	69	69	64.4	54.3	44.5	35.7					19
20	64.2	65.2	65.6	65.5	63.1	53.9	44.3	35.5					20
22	57.7	58.8	59.3	58.6	55.8	51.8	43.7	35.3	28.7	22.5			22
24	51.8	53.3	53.7	52.8	49.5	46.2	42.1	35.1	28.6	22.4			24
26	46.8	48.6	48.1	47.1	44.5	41.4	39.3	34.9	28.3	22.3	17.6		26
28	41.1	43.6	44.3	42.4	40.1	37.8	36.5	33.7	28.1	22	17.5	14.7	28
30		38.4	39.5	38.5	36.4	35	33.3	31.3	27.8	21.7	17.4	14.7	30
32		34.2	35.2	35.1	33.9	32.6	30.9	29.4	27.1	21.5	17.2	14.6	32
34		30.7	31.7	32	31.3	30	28.5	27.3	25.5	21.1	17.1	14.5	34
36		27.8	28.9	29.1	28.9	27.8	26.6	25.3	23.6	20.7	16.9	14.4	36
38		25.2	26.2	26.9	26.7	26.1	24.7	23.5	21.9	20.3	16.7	14.3	38
40		23.1	24.1	24.7	24.5	24.3	23	21.8	21.1	19.7	16.4	14.3	40
45			19.8	20.3	20.7	20.4	20	19.1	18.2	16.9	15.7	13.8	45
50			16.5	17.4	17.4	17.2	17.3	16.6	15.6	15.2	14.3	13.3	50
55				14.8	14.8	14.9	14.9	14.3	14	13.3	12.3	11.9	55
60				12.8	12.8	13.1	12.8	12.8	12.3	11.6	10.6	10.2	60
65					11.2	11.5	11.2	11.1	10.6	10.1	9.2	8.8	65
70					9.9	10.1	9.9	9.7	9.3	8.8	8	7.6	70
75					8.8	8.9	8.7	8.5	8.1	7.7	6.9	6.6	75
80						7.9	7.7	7.5	7.1	6.7	6	5.7	80
85						7	6.7	6.6	6.3	5.9	5.1	4.9	85
90							5.9	5.8	5.5	5.1	4.4	4.2	90
95							5.3	5.1	4.7	4.4	3.8	3.6	95
100								4.5	4.1	3.8	3.2	3.1	100
105								3.9	3.5	3.2	2.7	2.5	105
110								3.5	3	2.7	2	1.9	110
115									2.6	2.2			115
120									2.2				120

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# Lifting capacities Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	111	110.8	107.4										10
11	104.5	104.4	104.1	86.2	70.5								11
12	98.7	98.6	98.9	85.2	69.9								12
13	93.2	93.1	93.5	84.2	69.4	56.5							13
14	88	87.9	88.3	83.2	68.8	56.2							14
15	83.2	83.1	83.5	81.7	68.2	55.8	45.5						15
16	78.8	78.8	79.1	78.9	67.5	55.4	45.3	36					16
17	74.8	75.8	75.7	76	66.5	55.1	45.1	35.9					17
18	71.2	72.1	72.4	72.3	65.4	54.7	44.8	35.8					18
19	67.6	68.7	69	69	64.4	54.3	44.5	35.7					19
20	64.2	65.2	65.6	65.5	63.3	53.9	44.3	35.5					20
22	57.7	58.8	59.3	59.2	58.9	53.2	43.7	35.3	28.7	22.5			22
24	51.8	53.3	53.8	54.7	52.7	49.4	42.4	35.1	28.6	22.4			24
26	46.8	48.7	48.7	50	47.6	44.6	40.6	34.9	28.3	22.3	17.6		26
28	42.5	44.5	45.1	45.5	43.2	40.5	38	34	28.1	22	17.5	14.7	28
30		40.5	41.5	41.5	39.4	37.3	36	32.9	27.8	21.7	17.4	14.7	30
32		36.6	37.5	37.8	36.2	34.4	33.4	31.3	27.2	21.5	17.2	14.6	32
34		33.1	34	34.3	33.4	32.2	31	29.3	26.5	21.1	17.1	14.5	34
36		30.1	31.1	31.2	31.2	30.3	29	27.8	25.7	20.7	16.9	14.4	36
38		27.5	28.4	28.6	28.9	28.3	27.1	26.1	24.3	20.3	16.7	14.3	38
40		25.3	26.2	26.7	26.6	26.4	25.3	24.2	22.6	19.8	16.4	14.3	40
45			21.6	22.3	22.2	22.3	21.6	20.6	19.5	18.5	15.7	13.8	45
50			18.3	18.8	19.2	18.9	18.7	18	17.5	16.1	14.9	13.3	50
55				16.4	16.5	16.2	16.2	16.1	15.2	14.4	13.8	12.7	55
60				14.4	14.4	14.2	14.4	14	13.2	13.1	12	11.6	60
65					12.6	12.7	12.6	12.4	12	11.5	10.5	10.2	65
70					11.1	11.4	11.1	11.1	10.7	10.1	9.2	8.9	70
75					9.9	10.1	9.9	9.8	9.4	8.9	8.1	7.8	75
80						9.1	8.9	8.7	8.3	7.8	7.1	6.8	80
85						8.2	7.9	7.8	7.4	6.9	6.2	5.9	85
90							7.1	6.9	6.5	6.1	5.4	5.2	90
95							6.3	6.1	5.8	5.4	4.7	4.5	95
100								5.4	5.1	4.7	4.1	3.9	100
105								4.8	4.4	4.1	3.5	3.3	105
110								4.3	3.9	3.5	3	2.9	110
115									3.4	3	2.5	2.4	115
120									3	2.6	1.9	1.9	120
125										2.2			125
130										1.8			130

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# Lifting capacities

## Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	110.2	110	107.4										10
11	103.5	103.4	103.4	86.2	70.5								11
12	97.2	97	97.4	85.2	69.9								12
13	91.3	91.4	91.7	84.2	69.4	56.5							13
14	86.1	86.1	86.5	83.2	68.8	56.2							14
15	81.4	81.3	81.8	77.3	68.2	55.8	45.5						15
16	76.8	77.3	77.7	72.7	67.5	55.4	45.3	36					16
17	72	73.3	72.2	66.9	62.7	55.1	45.1	35.9					17
18	67.2	68.7	65.7	62.8	58	52.5	44.8	35.8					18
19	62.8	64	60.5	57.9	53.6	49.2	43.6	35.7					19
20	58.8	59.2	57.1	53.6	49.8	45.9	42.9	35.5					20
22	51.6	51.4	49.4	46.7	43.5	41.8	38.7	34.9	28.7	22.5			22
24	42.9	44.7	43.2	41.1	39.2	37.1	35	32.6	28.6	22.4			24
26	36.3	38.9	38.3	36.5	35.1	33.7	31.6	29.7	27.4	22.3	17.6		26
28	31.3	33.7	34.2	33.3	31.6	30.4	28.8	26.9	25	22	17.5	14.7	28
30		29.6	30.6	30.1	29.4	27.7	26.6	24.9	23.6	21.7	17.4	14.7	30
32		26.2	27.4	27.4	26.8	25.4	24.3	23.2	21.9	20.1	17.2	14.6	32
34		23.4	24.6	25	24.6	23.4	22.6	21.4	20.1	18.7	17.1	14.5	34
36		21	22.2	23.2	22.7	21.6	21.1	19.7	18.9	17.9	16.7	14.4	36
38		19	20.1	21.1	20.9	20.2	19.5	18.5	17.8	16.8	15.5	14.3	38
40		17.3	18.3	19.3	19.3	19.1	18.1	17.5	16.5	15.5	14.4	13.8	40
45			14.8	15.7	15.9	16	15.3	14.7	13.9	13	11.9	11.6	45
50			12.2	13	13.2	13.4	13	12.5	11.7	10.9	9.9	9.7	50
55				11	11.1	11.1	11	10.6	10	9.2	8.3	8.1	55
60				9.3	9.5	9.5	9.4	9.1	8.5	7.8	7	6.8	60
65					8.1	8.2	8	7.8	7.3	6.7	5.8	5.6	65
70					6.9	7.1	6.9	6.7	6.2	5.6	4.8	4.7	70
75					5.9	6.1	5.9	5.7	5.3	4.7	3.9	3.8	75
80						5.2	5	4.9	4.5	4	3.1	3	80
85						4.5	4.3	4.1	3.8	3.3	2.2	2.1	85
90							3.6	3.5	3.1	2.5			90
95							3.1	2.9	2.4	1.8			95
100								2.3	1.7				100
105								1.7					105

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# Lifting capacities

## Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	110.2	110	107.4										10
11	103.5	103.4	103.4	86.2	70.5								11
12	97.2	97	97.4	85.2	69.9								12
13	91.3	91.4	91.7	84.2	69.4	56.5							13
14	86.1	86.1	86.5	83.2	68.8	56.2							14
15	81.4	81.3	81.8	79.8	68.2	55.8	45.5						15
16	76.8	77.3	77.7	75.5	67.5	55.4	45.3	36					16
17	72	73.3	73.8	70.6	66	55.1	45.1	35.9					17
18	67.2	68.7	69.2	65.3	62.6	54.7	44.8	35.8					18
19	62.8	64.4	64.7	62.4	58.3	53.9	44.5	35.7					19
20	58.8	60.4	60.2	58.3	54.4	50.5	44.2	35.5					20
22	52.1	54	54	51.3	48	45	41.9	35.3	28.7	22.5			22
24	46.4	48.5	47.8	45.6	42.8	40.7	38.4	34.7	28.6	22.4			24
26	40	42.3	42.7	40.8	38.6	37.2	34.8	32.5	28.3	22.3	17.6		26
28	34.8	37.1	38.2	36.9	35.5	33.5	31.8	29.9	27.5	22	17.5	14.7	28
30		32.9	34	33.4	32.2	30.9	29	27.3	25.2	21.7	17.4	14.7	30
32		29.4	30.4	31	29.3	28.3	26.6	24.9	23.9	21.5	17.2	14.6	32
34		26.4	27.4	28.1	27.3	26	24.9	23.4	22.4	20.5	17.1	14.5	34
36		23.9	24.9	25.6	25.5	24	23.1	22	20.7	19.1	16.9	14.4	36
38		21.8	22.9	23.4	23.6	22.2	21.5	20.5	19.2	17.8	16.7	14.3	38
40		19.9	21	21.6	21.9	20.8	20.4	19	17.8	17.3	16	14.3	40
45			17.2	18.1	18.1	17.7	17.2	16.5	15.6	14.7	13.5	13.1	45
50			14.2	15.1	15.1	15.5	14.6	14.2	13.3	12.4	11.4	11.1	50
55				12.7	12.9	13.1	12.8	12.2	11.4	10.6	9.6	9.4	55
60				10.9	11	11	10.9	10.6	9.8	9.1	8.2	8	60
65					9.5	9.5	9.4	9.1	8.5	7.8	6.9	6.8	65
70					8.2	8.3	8.1	7.9	7.4	6.7	5.9	5.7	70
75					7.1	7.3	7.1	6.8	6.4	5.8	4.9	4.8	75
80						6.3	6.1	6	5.5	5	4.1	4	80
85						5.5	5.3	5.1	4.8	4.2	3.4	3.3	85
90							4.6	4.4	4.1	3.6	2.7	2.6	90
95							3.9	3.8	3.4	3	1.9	1.8	95
100								3.2	2.8	2.4			100
105								2.7	2.2	1.7			105
110								2.3					110

t\_189\_30037\_00\_000

# Lifting capacities

## Forces de levage

T

36 - 60 ft

0°

32,000 lbs

85%

	36 ft		48 ft		60 ft		
9		35.2		36.6		36.6	9
10		34.1		35.2		35.6	10
11		31.7		32.9		33.4	11
12		29.6		30.8		31.3	12
13		27.6		28.9		29.4	13
14		25.9		27.2		27.7	14
15		24.2		25.6		26.1	15
16		22.8		24.1		24.7	16
17		21.5		22.8		23.4	17
18		20.3		21.6		22.2	18
20		18		19.3		19.9	20
22		16.1		17.4		18.1	22
24		14.3		15.7		16.4	24
26				14.3		14.9	26
28				12.7		13.6	28
30				11.2		12.2	30
32				10		10.9	32
34				9		9.8	34
36				8.1		8.9	36
38						8.1	38
40						7.2	40
45						5.7	45

0° = over rear · en arrière

t\_189\_00312\_00\_002

36 - 60 ft

360°

15,200 lbs  
12,600 lbs

85%

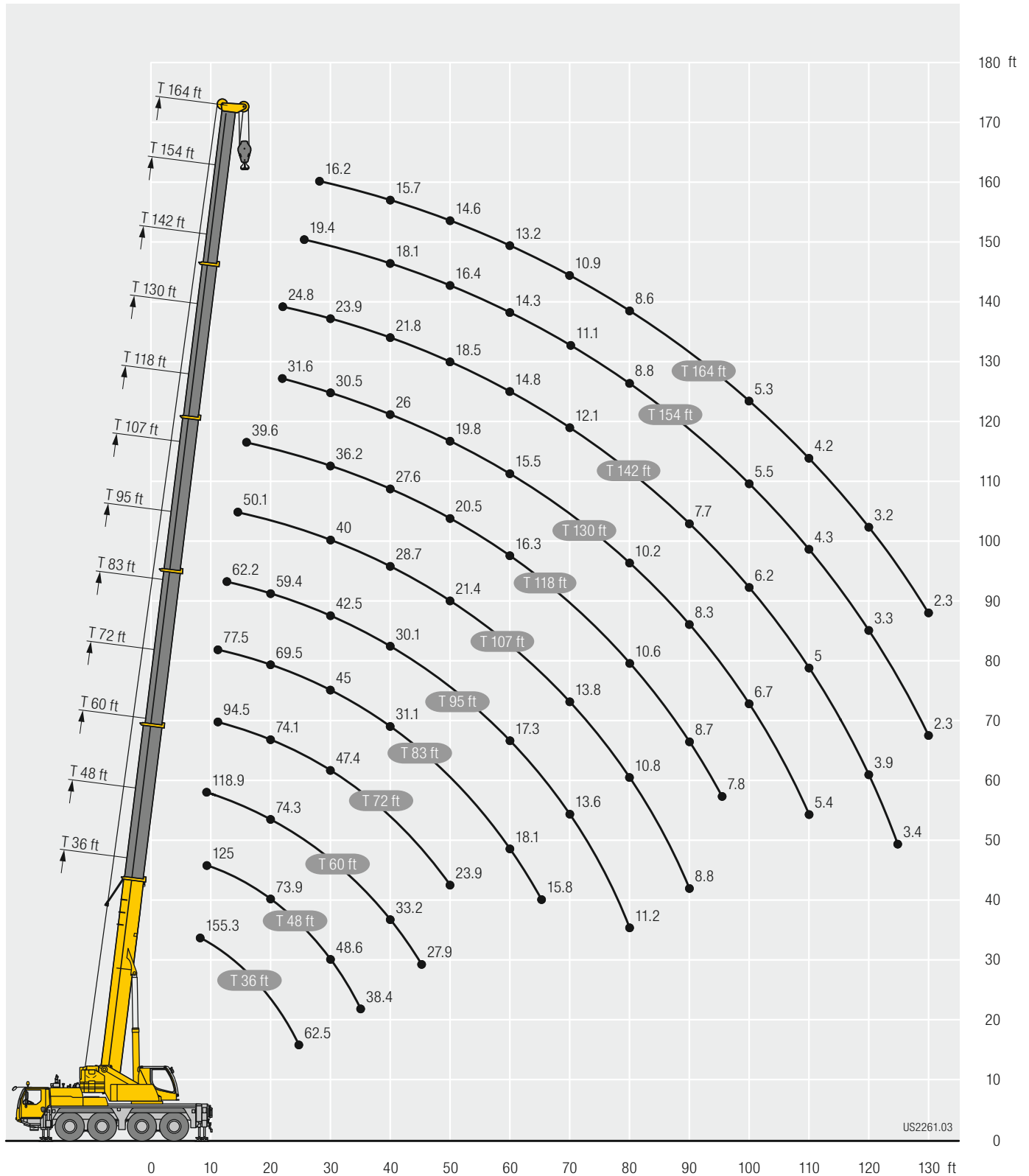
	36 ft		48 ft		60 ft		
	15,200 lbs	12,600 lbs	15,200 lbs	12,600 lbs	15,200 lbs	12,600 lbs	
10		25.2					10
11		21.9	22.4	23.3		21.6	11
12		19.1	21.0	21.2		20.5	12
13	18.5	16.7	18.5	18.8		18.6	13
14	16.5	14.8	17.2	16.8	17.2	17.3	14
15	14.6	13.0	16.1	15.1	15.9	16.0	15
16	13.0	11.1	14.9	13.6	15.5	14.5	16
17	11.5	9.6	13.6	12.2	14.6	13.2	17
18	10.1	8.3	12.4	10.9	13.4	12.1	18
20	7.4	5.9	10.0	8.4	11.0	9.8	20
22	5.7	4.5	8.0	6.5	9.3	7.9	22
24	4.3	3.4	6.2	5.0	7.6	6.3	24
26			4.8	4.0	6.1	5.0	26
28			3.9	3.1	5.0	4.0	28
30			3.1		4.0	3.2	30
32			2.5		3.3	2.6	32

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# Lifting heights Hauteurs de levage

T



US2261.03

# Lifting capacities Forces de levage

TK/TNZK



85%

	36 ft				48 ft				60 ft				72 ft				83 ft				95 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°	
9	25.1				25.1				25.1				25.1				25.1								9
10	25.1				25.1				25.1				25.1				25.1								10
11	25.1				25.1				25.1				25.1				25.1				25.1				11
12	25.1				25.1				25.1				25.1				25.1				25.1				12
13	25.1	23			25.1				25.1				25.1				25.1				25.1				13
14	25.1	22.4			25.1				25.1				25.1				25.1				25.1				14
15	25.1	21.9			25.1	22.7			25.1				25.1				25.1				25.1				15
16	25.1	21.4			25.1	22.2			25.1	22.5			25.1				25.1				25.1				16
17	25.1	20.9			25.1	21.7			25.1	22.1			25.1				25.1				25.1				17
18	25.1	20.4			25.1	21.3			25.1	21.7			25.1	21.5			25.1	21.2			25.1				18
20	25.1	19.5			25.1	20.5			25.1	20.9			25.1	20.9			25.1	21			25.1				20
22	25.1	18.7	15.1		25.1	19.7			25.1	20.3			25.1	20.3			25.1	20.4			25.1	19.5			22
24	24.9	18	14.8		25.1	19			25.1	19.7			25.1	19.7			25.1	19.9			25.1	19.2			24
26	24.6	17.3	14.5		25.1	18.4	14.7		25.1	19	14.9		25.1	19.2	14.8		25.1	19.4			25.1	18.8			26
28	23.7	16.8	14.1		25.1	17.8	14.5		25.1	18.5	14.7		25.1	18.7	14.6		25.1	18.9			25.1	18.4			28
30	22.6	16.2	13.7	11.3	24.9	17.2	14.2	11.4	25.1	18	14.4		25.1	18.2	14.4		25.1	18.5	14.5		25.1	18			30
32	21.5	15.8	13.3	11.1	24.2	16.7	13.9	11.3	25.1	17.5	14.2	11.4	25.1	17.7	14.2	11.4	25.1	18	14.3		25.1	17.7	14		32
34	20.3	15.3	13	11	23.4	16.3	13.6	11.2	24.8	17.1	14	11.3	25	17.3	13.9	11.3	25.1	17.7	14.1		24.9	17.4	13.8		34
36	19.1	14.9	12.8	10.9	22.5	15.9	13.3	11	24.3	16.7	13.7	11.2	24.7	17	13.7	11.2	24.9	17.3	13.9	11.3	24.6	17.1	13.6		36
38	17.9	14.4	12.5	10.7	21.6	15.6	13	10.9	23.7	16.3	13.4	11	24.4	16.6	13.4	11.1	24.8	17	13.6	11.2	24.3	16.7	13.4	11.1	38
40	16.8	14	12.3	10.7	20.6	15.2	12.8	10.8	23	15.9	13.1	10.9	23.9	16.3	13.2	11	24.4	16.6	13.4	11.1	23.9	16.5	13.2	11.1	40
45	14.5	13.1	11.8	10.6	18.1	14.3	12.3	10.6	20.8	15.2	12.6	10.8	22	15.6	12.8	10.8	22.5	15.9	13	10.9	22.3	15.9	12.8	10.9	45
50	12.7	12.4			15.9	13.4	11.9	10.6	18.8	14.4	12.3	10.6	20.2	14.9	12.4	10.7	19.7	15.2	12.6	10.8	19.8	15.3	12.6	10.8	50
55					14.1	12.7	11.6		16.8	13.7	11.9	10.6	18.2	14.3	12.1	10.6	17	14.6	12.3	10.7	17.3	14.7	12.3	10.7	55
60					12.5	12.3	11.4		15	13	11.6	10.6	16.2	13.7	11.9	10.6	14.8	14	12.1	10.6	15.1	14.2	12.1	10.6	60
65									13.6	12.5	11.5	10.6	14.3	13.1	11.6	10.6	12.9	13.3	11.8	10.6	13.3	13.6	11.9	10.6	65
70									12.4	12.2	11.4		12.6	12.6	11.5	10.6	11.4	12.1	11.7	10.6	11.8	12.5	11.7	10.6	70
75													11.1	11.6	11.1	10.6	10.1	10.8	11	10.5	10.4	11.2	11.2	10.6	75
80													9.8	10.2	10.4	10.2	8.9	9.5	9.9	10	9.3	9.9	10.4	10.4	80
85													8.7	9	9.1		7.8	8.4	8.7	8.7	8.2	8.8	9.2	9.4	85
90																	6.9	7.3	7.5		7.4	7.9	8.2	8.3	90
95																	6	6.3			6.5	7	7.2	7.2	95
100																					5.8	6.1	6.3		100
105																					5	5.3	5.4		105
110																					4.4	4.6			110

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# Lifting capacities Forces de levage

TK/TNZK



	107 ft				118 ft				130 ft				142 ft				154 ft				164 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°				
14	25.1																								14			
15	25.1																									15		
16	25.1				19.5																					16		
17	25.1				19.5																					17		
18	25.1				19.3					16.8																18		
20	25.1				19					16.7																20		
22	25.1				18.8					16.5			11.4													22		
24	25.1				18.5					16.3			11.4			10.2										24		
26	25	18.3			18.2					16.1			11.4			10.2					8.6					26		
28	24.7	18			18	15.8				15.9			11.4			10.1				8.6						28		
30	24.4	17.7			17.7	15.7				15.6			11.3			10.1				8.6						30		
32	24	17.4	13.9		17.5	15.6				15.5	13.5		11.3	10.2		10.1				8.5						32		
34	23.7	17.1	13.8		17.3	15.5				15.3	13.5		11.2	10.1		10				8.5						34		
36	23.4	16.8	13.6		17.1	15.3				15.1	13.4		11.1	10.1		9.9				8.4						36		
38	23	16.6	13.4	11.1	16.9	15.2	13			14.9	13.3	12.4	11.1	10		9.9	9			8.4	7.7					38		
40	22.6	16.4	13.2	11.1	16.7	15	13			14.7	13.2	12.4	11	10		9.8	9			8.3	7.7					40		
45	21.1	15.8	12.8	10.9	16	14.2	12.7	10.8		14.2	12.9	12.3	10.8	10.7	9.9	9.6			9.6	8.9	8.7					45		
50	18.5	15.3	12.5	10.8	15.2	13.5	12.2	10.7		13.7	12.7	12	10.7	10.4	9.7	9.6	9.7		9.4	8.8	8.7					50		
55	15.9	14.8	12.3	10.7	14.3	12.8	11.8	10.6		13.3	12.3	11.6	10.6	10.1	9.5	9.4	9.5		9.2	8.8	8.6	8.9		7.9	7.5	7.3	7.5	55
60	13.9	14.2	12.1	10.6	13.4	12.2	11.4	10.5		12.7	11.9	11.2	10.5	9.6	9.2	9.1	9.2		9	8.7	8.5	8.8		7.7	7.5	7.3	7.5	60
65	12.8	13	12	10.6	12.5	11.5	10.9	10.4		11.4	11.5	10.8	10.5	9.2	8.9	8.7	8.8		8.7	8.5	8.3	8.6		7.6	7.4	7.2	7.5	65
70	11.8	11.5	11.7	10.6	11.1	11	10.5	10.3		10.1	10.8	10.4	10.3	8.8	8.5	8.4	8.4		8.4	8.3	8.1	8.3		7.4	7.3	7.1	7.4	70
75	10.6	10.5	10.8	10.4	9.8	10.3	10.1	10.1		8.8	9.8	10	10	8.4	8.1	8	8.1		8	8	7.9	7.9		7.1	7.2	7	7.2	75
80	9.5	9.8	9.7	10.1	8.7	9.4	9.7	9.8		7.9	8.7	9.3	9.5	7.9	7.7	7.7	7.7		7.5	7.6	7.6	7.6		6.9	6.9	6.9	6.9	80
85	8.5	9	9.3	9.4	7.7	8.4	9	9.3		7.5	7.6	8.2	8.5	7.4	7.4	7.3	7.4		6.6	7.2	7.3	7.4		6.4	6.7	6.6	6.7	85
90	7.6	8.1	8.5	8.7	6.8	7.4	8	8.3		7	7	7.2	7.5	6.6	7	7	7.1		5.8	6.5	6.8	7.1		5.6	6.2	6.4	6.5	90
95	6.8	7.3	7.7	7.8	6.1	6.6	7.1	7.3		6.4	6.6	6.7	6.9	5.8	6.4	6.6	6.8		5.1	5.7	6.2	6.5		4.9	5.5	5.9	6.1	95
100	6.1	6.5	6.9	6.9	5.4	5.8	6.3	6.4		5.8	6.2	6.3	6.4	5.2	5.7	6.1	6.3		4.4	5	5.4	5.7		4.2	4.8	5.3	5.6	100
105	5.4	5.8	6.1	6	4.7	5.2	5.6	5.6		5.1	5.6	5.9	6	4.5	5	5.4	5.6		3.8	4.3	4.7	4.9		3.6	4.1	4.6	4.8	105
110	4.8	5.1	5.3	5.2	4.2	4.5	4.9	4.9		4.6	5	5.3	5.3	4	4.4	4.8	4.9		3.2	3.7	4.1	4.3		3	3.6	4	4.2	110
115	4.2	4.5	4.6		3.6	4	4.3	4.2		4	4.4	4.6	4.7	3.5	3.9	4.2	4.3		2.7	3.2	3.5	3.6		2.5	3	3.4	3.6	115
120					3.1	3.4	3.6	3.5		3.6	3.9	4.1	4.1	3	3.4	3.6	3.7		2.2	2.7	3	3.1		2.1	2.5	2.9	3	120
125					2.6	2.9	3	2.8		3.1	3.4	3.6	3.5	2.6	2.9	3.1	3.1		1.8	2.2	2.5	2.5		2.1	2.4	2.5		125
130					2.2	2.4	2.5			2.7	3	3.1	2.9	2.2	2.5	2.7	2.6		1.4	1.8	2	2.1		1.7	1.9	2		130
135										2.3	2.5	2.6		1.8	2.1	2.2	2.1				1.6	1.6						135
140										1.9	2.1					1.8												140

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# Lifting capacities Forces de levage

TK/TNZK



	36 ft				48 ft				60 ft				72 ft				83 ft				95 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°		
9	18.5				18.4				18																9	
10	18.4				18.4				17.9																	10
11	18				18.2				17.8				16.8													11
12	17.7				18				17.7				16.7													12
13	17.3				17.8				17.5				16.6				16									13
14	16.9				17.5				17.4				16.4			15.9					13.3					14
15	16.5				17.2				17.2				16.3			15.8					13.3					15
16	16.1				16.8				17				16.2			15.7					13.3					16
17	15.7				16.5				16.8				16			15.6					13.3					17
18	15.3				16.1				16.5				15.9			15.5					13.3					18
20	14.5				15.4				15.9				15.5			15.3					13.3					20
22	13.8	9.6			14.8				15.3				15			15					13.3					22
24	13.1	9.3			14.1				14.7				14.5			14.6					13.2					24
26	12.3	9			13.5	9.2			14.2	9.4			14			14.1					13					26
28	11.7	8.7			12.9	9			13.7	9.1			13.5			13.7					12.8					28
30	11.1	8.4			12.3	8.7			13.1	8.9			13	8.9		13.3	9				12.6					30
32	10.7	8.1			11.7	8.4			12.6	8.6			12.6	8.7		12.8	8.8				12.4	8.6				32
34	10.4	7.9			11.2	8.2			12.1	8.4			12.3	8.5		12.5	8.6				12.2	8.5				34
36	10	7.7			10.9	8			11.6	8.2			11.9	8.3		12.2	8.4				12	8.3				36
38	9.6	7.4			10.5	7.8			11.1	8			11.5	8.1		11.8	8.2				11.8	8.1				38
40	9.3	7.2			10.1	7.6			10.7	7.8			11.2	7.9		11.5	8				11.6	8				40
45	8.5	6.8	5.9		9.3	7.1	6		10	7.4	6		10.4	7.5	6		10.8	7.7	6.1		11	7.6				45
50	7.8	6.4	5.6		8.6	6.7	5.7		9.3	7	5.8		9.8	7.1	5.9		10.1	7.3	5.9		10.4	7.3				50
55	7.2	6	5.4	5.3	8	6.4	5.5	5.3	8.7	6.7	5.6		9.2	6.8	5.7		9.5	7	5.8		9.9	7	5.7			55
60	6.7	5.7	5.3	5.2	7.5	6.1	5.4	5.2	8.1	6.4	5.5	5.3	8.6	6.5	5.5	5.3	9.1	6.7	5.6	5.3	9.4	6.8	5.6	5.3		60
65	6.2	5.5	5.1		7	5.8	5.2	5.2	7.6	6.1	5.4	5.2	8.1	6.3	5.4	5.2	8.6	6.5	5.5	5.2	9	6.5	5.5	5.2		65
70	5.8	5.3			6.5	5.6	5.1	5.2	7.2	5.8	5.2	5.2	7.6	6	5.3	5.2	8.1	6.2	5.4	5.2	8.6	6.3	5.4	5.2		70
75					6.1	5.4	5.1		6.7	5.6	5.1	5.2	7.2	5.8	5.2	5.2	7.7	6	5.3	5.1	8.2	6.1	5.3	5.1		75
80					5.8	5.2	5.1		6.4	5.4	5.1	5.2	6.8	5.6	5.1	5.1	7.3	5.8	5.2	5.1	7.8	5.9	5.2	5.1		80
85					5.4	5.1			6	5.3	5	5.2	6.5	5.5	5	5.1	6.9	5.6	5.1	5.1	7.5	5.7	5.1	5.1		85
90									5.7	5.2	5		6.2	5.3	5	5.1	6.6	5.5	5	5.1	7.2	5.6	5	5.1		90
95													5.9	5.2	5		6.3	5.3	5	5.1	6.9	5.5	5	5.1		95
100													5.6	5.1			5.9	5.2	5	5.1	6.5	5.3	5	5.1		100
105													5.4	5			5.5	5.1	5	5.1	5.9	5.2	5	5.1		105
110																	4.8	5	5		5.3	5.1	4.9	5.1		110
115																	4.2	4.6			4.7	5	4.9	5		115
120																					4.1	4.6	4.7			120
125																					3.6	4	4.2			125
130																					3.2	3.5				130

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# Lifting capacities Forces de levage

TK/TNZK

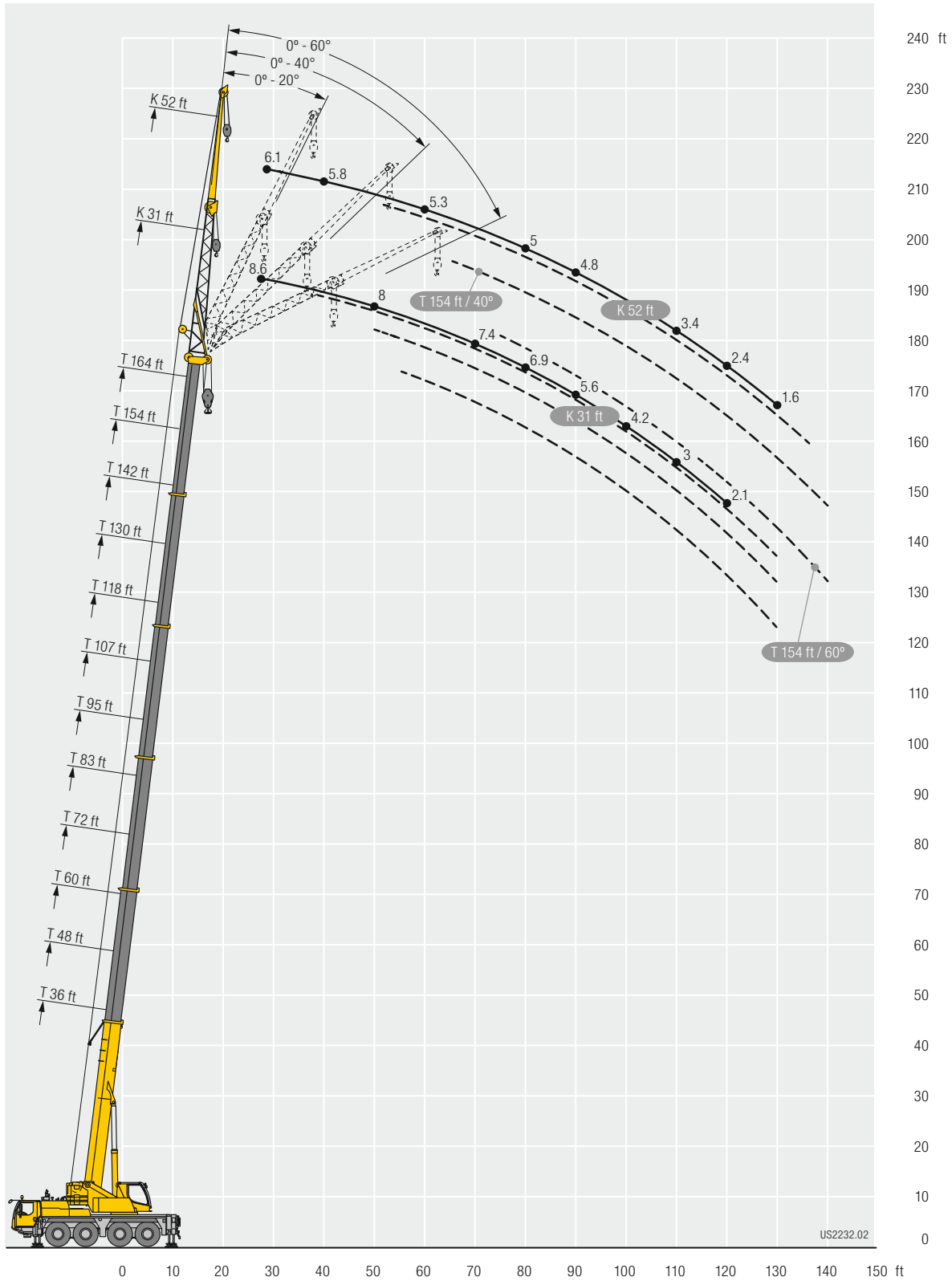


Lifting height (ft)	107 ft				118 ft				130 ft				142 ft				154 ft				164 ft		Lifting height (ft)		
	52 ft				52 ft				52 ft				52 ft				52 ft								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°			
17	12.4																						17		
18	12.4																						18		
20	12.4				10.5																		20		
22	12.4				10.5				9.7														22		
24	12.4				10.5				9.7														24		
26	12.4				10.5				9.7				7.9				7.2						26		
28	12.3				10.5				9.6				7.8				7.1					6.1	28		
30	12.2				10.5				9.6				7.7				7.1					6.1	30		
32	12				10.4				9.5				7.6				7					6	32		
34	11.8				10.3				9.5				7.5				6.9					6	34		
36	11.6				10.2				9.4				7.4				6.8					5.9	36		
38	11.5	8.1			10.1	7.6			9.3				7.3				6.7					5.8	38		
40	11.3	8			10	7.6			9.2				7.3				6.7					5.8	40		
45	10.9	7.7			9.8	7.3			9	7.2			7.1	6.4			6.5					5.6	45		
50	10.4	7.4			9.5	7.1			8.8	7			7	6.4			6.4	5.8				5.5	5	50	
55	10	7.1	5.8		9.2	6.8	5.6		8.6	6.8	5.6		6.8	6.3			6.2	5.7				5.4	5	55	
60	9.5	6.8	5.6	5.3	8.9	6.6	5.5		8.4	6.6	5.5		6.7	6.2	5.3		6.1	5.7				5.3	4.9	60	
65	9.1	6.6	5.5	5.2	8.6	6.4	5.4	5.1	8.2	6.4	5.4	5.1	6.6	6.1	5.3		6	5.7	5.2			5.2	4.9	65	
70	8.7	6.4	5.4	5.1	8.3	6.2	5.3	5.1	8	6.2	5.3	5.1	6.5	6	5.2	5	5.9	5.6	5.1			5.1	4.9	70	
75	8.4	6.2	5.3	5.1	8	6.1	5.3	5.1	7.9	6.1	5.2	5	6.4	5.8	5.1	5	5.8	5.6	5.1	4.9		5	4.8	75	
80	8	6	5.2	5.1	7.8	5.9	5.2	5	7.6	5.9	5.2	5	6.3	5.7	5.1	5	5.8	5.5	5	4.9		5	4.8	80	
85	7.6	5.8	5.1	5.1	7.5	5.8	5.1	5	7.3	5.8	5.1	5	6.2	5.6	5	5	5.7	5.5	5	4.9		4.9	4.8	85	
90	7.2	5.7	5.1	5.1	7.1	5.7	5.1	5	6.5	5.6	5	5	6	5.5	5	4.9	5.5	5.4	4.9	4.9		4.8	4.8	90	
95	6.9	5.5	5	5.1	6.6	5.5	5	5	6	5.5	5	5	5.7	5.4	4.9	4.9	5.2	5.3	4.9	4.9		4.7	4.7	95	
100	6.6	5.4	5	5.1	5.9	5.4	5	5	5.6	5.4	4.9	5	5.4	5.2	4.9	4.9	4.7	5.2	4.8	4.9		4.4	4.7	100	
105	6	5.3	5	5.1	5.3	5.3	4.9	5	5.3	5.2	4.9	5	4.9	5.1	4.8	4.9	4.1	5	4.8	4.9		3.9	4.6	105	
110	5.4	5.2	4.9	5.1	4.7	5.2	4.9	5	4.9	5	4.9	5	4.3	4.9	4.8	4.9	3.6	4.5	4.8	4.9		3.4	4.2	110	
115	4.9	5	4.9	5.1	4.2	4.8	4.9	5	4.4	4.8	4.8	4.9	3.8	4.5	4.7	4.9	3.1	4	4.5	4.7		2.9	3.8	115	
120	4.4	4.8	4.9	4.9	3.7	4.4	4.7	4.8	4	4.5	4.7	4.8	3.4	4.1	4.5	4.7	2.6	3.4	4	4.4		2.4	3.3	120	
125	3.9	4.4	4.7	4.6	3.3	3.9	4.2	4.3	3.5	4.1	4.5	4.6	2.9	3.6	4.1	4.3	2.2	3	3.5	3.8		2	2.8	125	
130	3.5	3.9	4.1		2.9	3.4	3.7	3.7	3.1	3.6	4	4.1	2.5	3.1	3.6	3.8	1.8	2.5	3	3.2		1.6	2.3	130	
135	3	3.4	3.5		2.5	3	3.2	3.1	2.8	3.2	3.6	3.6	2.2	2.7	3.1	3.2		2.1	2.6	2.7			1.9	135	
140	2.7				2.1	2.5	2.7		2.4	2.8	3.1	3.1	1.8	2.4	2.7	2.8		1.7	2.1	2.3				140	
145	2.3				1.8	2.1	2.2		2.1	2.5	2.7	2.5		2	2.3	2.3									145
150					1.4	1.7			1.7	2.1	2.3	2		1.6	1.9	1.8									150
155										1.7	1.8				1.5										155

L\_189\_05096\_00\_001 / 05104\_00\_001 / 05112\_00\_001 / 05120\_00\_001 / L\_189\_05264\_00\_001

# Lifting heights Hauteurs de levage

TK/TNZK





# Lifting capacities Forces de levage

**THK/TNZHK**

36 - 164 ft

10 ft

360°

32,000 lbs

85%

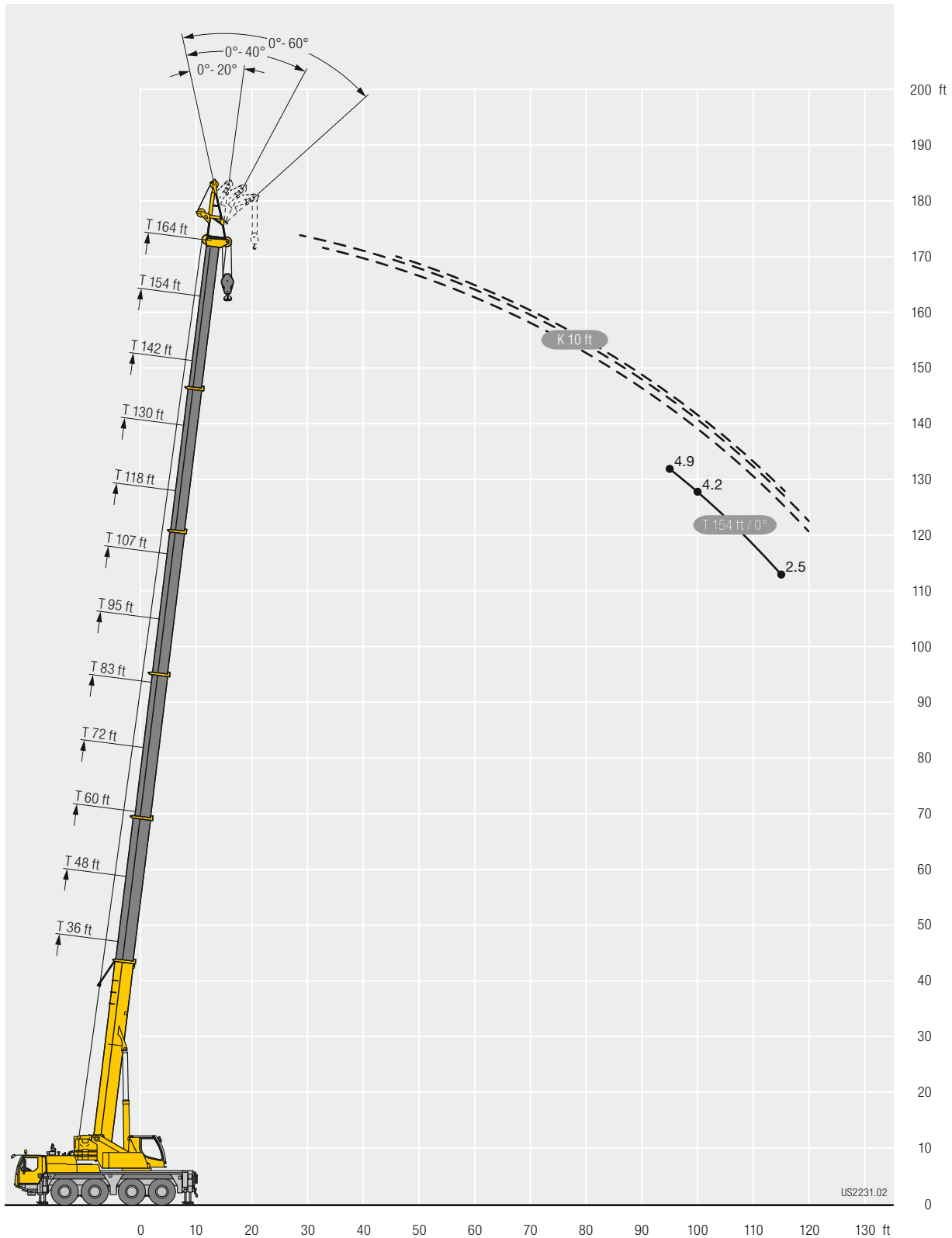
	36 ft				48 ft				60 ft				72 ft				83 ft				95 ft												
	10 ft																																
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°									
9		69.2	57.2	48.8			60.5	50.2			60.9														9								
10		68.9	56.9	48.5			59.7	49.9			60.5	50.3			59.9										10								
11		67.8	55.6	47.6			70.5	58.5	49.2			59.4	49.7			59.1	49.3								11								
12		66.7	54.4	46.8			69.9	57.4	48.5			58.4	49.1			58.3	49.1								12								
13		65.6	53.2	46.1			69	56.2	47.9			57.5	48.5			57.5	48.7					53.6			13								
14		64.3	52.1	45.4			68.1	55.2	47.2			56.6	47.9			56.8	48.3					53.1	46.7		47.8	14							
15		63	51	44.7			67.1	54.3	46.6			70.2	55.7	47.4			56	48				52.6	46.4		47.5	15							
16		61.5	50	44			66.2	53.4	46			69.4	54.8	46.9			55.4	47.6				52.1	46		46.8	42.7	16						
17		60	49.1	43.4			65.2	52.5	45.5			68.4	54	46.4			54.7	47.2				51.6	45.7		46.2	42.3	17						
18		58.5	48.2	42.9			64.1	51.6	45			67.2	53.3	46			66.2	54	46.8			51	45.3		45.5	41.7	18						
20		55.6	46.6	42			61.9	49.9	43.9			64.9	51.8	45			64.6	52.7	45.9			49.8	44.6		44.1	40.3	20						
22		65.1	53	45	41		59.6	48.6	43.1			62.7	50.4	44.2			62.3	51.5	45.2			52.4	48.4	44.1		42.8	39	22					
24		61	50.7	43.6	40.3		57.1	47.2	42.3			59.4	49.1	43.5			58.5	50.3	44.5			50.4	47.1	43.5		41.4	37.8	24					
26		56.1	48.7	42.5	39.9		54.7	45.9	41.6			55.1	47.9	42.8			53.4	49	43.8			48.2	45.7	42.9		44.2	40	36.7	26				
28		51.9	46.9	41.5	39.5		51.7	44.8	40.9			50.9	46.8	42.2			48.6	47	43.2			44.6	43.8	41.8		42.6	38.6	35.6	28				
30		47.8	45.1	40.6	39.3		47.9	48.4	43.7	40.3			46.6	45.4	41.6			44.1	44.6	42.4			41.1	41.6	40.3		40.5	37.3	34.6	30			
32		44	43.5	40			44	44.4	42.7	40			42.6	42.7	41			40.3	41	40.9			38.9	38.1	38.2		37.3	36.2	33.7	32			
34		40	41.1	38.6			40.7	41.1	40.7	38.7			39.3	39.9	39.2			37.4	37.9	38.6			36.5	35.5	35.9		34.6	34.5	32.5	34			
36		35.9	38.2	36.7			37.7	38.1	38	36.9			36.5	37.1	36.8			35.1	35.2	35.8			34	33.6	33.6		32.2	32.3	31.2	36			
38							34.8	35.1	35.4	35.1			33.2	33.7	34.2	34.3			32.9	32.5	33			31.5	31.7	31.3		29.7	30.1	29.9	38		
40							32.1	32.4	32.9	33.2			30.7	31.1	31.6	32			30.7	30.1	30.6			29.3	29.8	29.2		27.5	28	28.5	40		
45													26.8	26.4	26.7	27			25.8	26.2	26.5	26.6			24.9	25.3	25.5		23.3	23.7	24.1	45	
50													23.2	23.2	23.4	23.6			22.3	22.6	23	23.2			21.4	21.7	22.1		20.5	20.4	20.6	50	
55																			19.4	19.7	20	20.2			18.5	18.5	18.8	19.1		18.2	18.1	18.1	55
60																			17	17.2	17.4	17.6			16.5	16.3	16.4	16.7	15.9	16	16.3	16.3	60
65																			14.8	15	15.1	15.2			14.6	14.7	14.7	14.8	14.2	14.4	14.4	14.5	65
70																									12.7	13	13.1	13.2	12.6	12.8	13	13	70
75																									11.4	11.6	11.7	11.8	11.1	11.3	11.6	11.6	75
80																									10.5	10.4	10.4	10.5	9.8	10	10.2	10.2	80
85																																	85
90																																	90

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	107 ft				118 ft				130 ft				142 ft				154 ft				164 ft																
	10 ft																																				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	20°	40°	60°														
18			38.3	38.7				29.5																									18				
20			38.1	38.5				29.3																										20			
22			37.8	37.6				28.7	27.7				23.4																					22			
24			37.2	36.8				28.1	27.1				23.2																					24			
26			36.5	35.9				27.5	26.4				22.9	22.8					18.4															26			
28			35.2	34.8				26.8	25.8				22.6	22.4					18.2	18.5					14.4	14.4					10.7		28				
30			33.5	33.9	33.6			26.2	25.1				22.3	22					18.1	18.3					14.2	14.4				10.6			30				
32			32.4	32.6	32.4			26.9	25.5	24.5			22.3	21.9	21.6				17.9	18					14.1	14.2				10.6	10.8		32				
34			30.9	31.1	31.1			26.3	24.8	23.9			22	21.5	21.1				17.7	17.8					14	14.1				10.6	10.7		34				
36			29.1	29.5	29.6			25.6	24.2	23.3			21.6	21.1	20.7				17.4	17.5					13.9	14				10.6	10.7		36				
38			27.3	27.9	28.2			25	23.5	22.7			21.2	20.6	20.2				17	17	17.2				13.7	13.8				10.5	10.6		38				
40			25.7	26.3	26.7			24.1	22.9	22.1			20.8	20.2	19.8				16.7	16.7	16.8				13.5	13.6				10.5	10.6		40				
45			22.7	22.1	22.5			21.3	21.4	20.9			19.6	19	18.7				15.9	15.8	15.9				12.9	12.8	12.9		10.2	10.2	10.3		45				
50			19.8	19.6	19.8			18.9	19	18.8			17.6	17.6	17.6				15	14.9	14.9				12.3	12.1	12.2		10	9.9	10		50				
55			17.3	17.5	17.6			16.6	16.7	16.7			15.5	15.8	16				14	14	14				11.7	11.5	11.5		9.7	9.6	9.6		55				
60			15.4	15.4	15.5			14.4	14.7	14.9			13.6	13.8	14.1				12.9	13	13				11.1	10.9	10.8		9.4	9.3	9.3		60				
65			13.2	13.5	13.7	13.9			12.6	12.9	13.1			12.5	12.4	12.5				11.4	11.7	11.9				10.5	10.4	10.3		9	8.9	8.9		65			
70			12.1	12.1	12.2	12.3			11.3	11.3	11.5			11.2	11.3	11.3				10.3	10.3	10.5				9.7	9.7	9.8		8.6	8.5	8.6		70			
75			10.9	11	11	11			10.4	10.3	10.3	10.4			9.9	10.1	10.2				9.3	9.3	9.5				8.8	8.9	9		8.1	8.2	8.2	75			
80			9.8	9.9	10	10			9.2	9.5	9.6	9.6			8.6	8.8	8.9	9.1				8.5	8.7	8.8				7.7	7.9	8		7.5	7.7	7.7	80		
85			8.8	8.8	8.9	9			8.2	8.4	8.6	8.7			7.9	8.1	8.1	8.1				7.3	7.5	7.7	7.8				6.7	6.9	7		6.7	6.8	7	85	
90			8	8.1	8.1	8.2			7.7	7.7	7.7	7.7			7.1	7.3	7.4	7.4				6.5	6.7	6.8	6.9				5.8	6	6.1		5.8	6	6.1	90	
95			7.1	7.3	7.3	7.4			7	7	7	7.1			6.3	6.5	6.6	6.7				5.7	5.9	6	6.1				4.9	5.1	5.2	5.3		5.1	5.2	5.3	95
100																																					

# Lifting heights Hauteurs de levage

THK/TNZHK



# Equipment Equipment

## Crane carrier

<b>Frame</b>	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
<b>Outriggers</b>	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
<b>Engine</b>	6-cylinder Diesel, make Liebherr, watercooled, output 330 kW (449 h.p.), max. torque 1722 lbs-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 108 gallons.
<b>Transmission</b>	ZF 12-speed gear box with automatic control system. Two-stage transfer case with lockable transfer differential.
<b>Axles</b>	Low maintenance carrier axles, all 4 axles steered. Axle 3 and 4 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
<b>Suspension</b>	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
<b>Tyres</b>	8 tyres, size: 445/95 R 25.
<b>Steering</b>	ZF-servocom power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit. 1. and 2. axle mechanically, 3. and 4. axle hydromechanically speed regulated steered.
<b>Brakes</b>	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Hand brake: Spring-loaded, acting on all wheels of axles 1, 2 and 4. Sustained-action brake: Exhaust retarder with additional Liebherr braking system.
<b>Driver's cab</b>	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

## Crane superstructure

<b>Frame</b>	Self-manufactured, cataphoretic dip-primed weight-optimized and torsion resistant welded design of high-tensile structural steel; single-row ball bearing slewing ring, for continuous rotation.
<b>Crane drive</b>	Diesel-hydraulic with 1 axial variable displacement pump with automatic capacity control, 1 double gear pump, driven by the carrier Diesel engine, open regulated oil circuits with electrically controlled “load sensing”, operation of 4 movements simultaneously.
<b>Control</b>	Electrical control of drives by self-centering joysticks, armrest-integrated control elements, Liebherr system bus (LSB).
<b>Hoist gear</b>	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
<b>Luffing gear</b>	1 differential ram with pilot-controlled brake valve.
<b>Slewing gear</b>	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as a standard feature.
<b>Crane cab</b>	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
<b>Safety devices</b>	LICCON2 safe load indicator, test system hoist limit switch, safety valves to prevent pipe and hose ruptures.

<b>Telescopic boom</b>	1 base section and 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system Telematik. Boom length: 36 ft – 164 ft.
<b>Counterweight</b>	23,600 lbs basic counterweight.
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC.

## Operating modes

<b>K</b>	Double swing-away jib 31 ft – 52 ft Adjustment 0°, 20°, 40°, 60°
<b>NZK</b>	Hydraulically adjustable swing-away jib 31 ft – 52 ft Hydraulically adjustment 0° – 60°
<b>HK</b>	Mechanically adjustable assembly jib 10 ft Adjustment 0°, 20°, 40°, 60°
<b>NZHK</b>	Hydraulically adjustable assembly jib 10 ft Hydraulically adjustment 0° – 60°

## Additional equipment

<b>2<sup>nd</sup> hoist gear</b>	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
<b>Additional counterweight</b>	8,400 lbs for a total counterweight of 32,000 lbs.
<b>Tyres</b>	8 tyres, size 525/80 R 25 (20.5 R 25).
<b>Drive 8 x 6</b>	Additional drive of the 1st axle.

**Other items of equipment available on request.**

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



# Equipment Equipment

## Châssis porteur

<b>Cadre</b>	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
<b>Calage</b>	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.
<b>Moteur</b>	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 330 kW (449 ch), couple max. 1722 lbs-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 108 gallons.
<b>Boîte de vitesse</b>	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande. Boîte de transfert à 2 étages avec blocage de différentiel.
<b>Essieux</b>	Essieux nécessitant peu d'entretien, les 4 essieux sont directeurs. Les essieux 3 et 4 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
<b>Suspension</b>	Suspension hydropneumatique «Niveaumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
<b>Pneumatiques</b>	8 pneus de taille: 445/95 R 25.
<b>Direction</b>	Direction hydraulique ZF-servocom, à deux circuits, assistée hydrauliquement, avec pompe auxiliaire entraînée par essieu. 1er et 2ème essieu dirigés mécaniquement en fonction de la vitesse, 3ème et 4ème essieu dirigés électrohydrauliquement en fonction de la vitesse.
<b>Freins</b>	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: par cylindres à ressorts, agissant sur les roues des essieux 1,2 et 4. Frein à régime continu: Ralentisseur sur échappement avec système de freinage additionnel Liebherr.
<b>Cabine</b>	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune.



## Partie tournante

<b>Cadre</b>	Construction soudée résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide. Couronne d'orientation à 1 rangée de billes, permettant une rotation illimitée.
<b>Entraînement</b>	Diesel hydraulique avec 1 pompe double à débit variable et régulation de puissance automatique, 1 pompe à engrenages double, entraînés par le moteur Diesel du porteur, circuits hydrauliques ouverts avec «load sensing», régulé électriquement. 4 mouvements simultanés praticables.
<b>Commande</b>	Commande électrique des mécanismes par leviers de manoeuvre à centrage automatique, commandes de grue «grand confort» intégrées aux accoudoirs du siège, Liebherr système bus.
<b>Mécanisme de levage</b>	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
<b>Mécanisme de relevage</b>	1 vérin différentiel avec clapet de frein commandé.

<b>Dispositif de rotation</b>	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort. Orientation de série commutable en circuit hydraulique ouvert ou fermé (freinage automatique ou au pied).
<b>Cabine de grue</b>	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière.
<b>Dispositif de sécurité</b>	Contrôleur de charge «LICCON2», système test limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
<b>Flèche télescopique</b>	1 élément de base et 5 éléments télescopiques. Tous les éléments télescopiques indépendamment les uns des autres. Système de télescopage séquentiel rapide Telematik. Longueur de flèche: 36 ft – 164 ft.
<b>Contrepoids</b>	Contrepoids principal de 23,600 lbs.
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts.



## Modes de fonctionnement

<b>K</b>	Double fléchette pliante 31 ft – 52 ft Positionnement à 0°, 20°, 40°, 60°
<b>NZK</b>	Fléchette pliante à positionnement hydraulique 31 ft – 52 ft Positionnement hydraulique à 0° – 60°
<b>HK</b>	Fléchette de montage réglable mécaniquement 10 ft Positionnement à 0°, 20°, 40°, 60°
<b>NZHK</b>	Fléchette de montage réglable hydrauliquement 10 ft Positionnement hydraulique à 0° – 60°

## Équipement supplémentaire

<b>2ème mécanisme de levage</b>	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
<b>Contrepoids additionnel</b>	8,400 lbs pour un contrepoids total de 32,000 lbs.
<b>Pneumatiques</b>	8 pneus. Taille: 525/80 R 25 (20.5 R 25).
<b>Entraînement 8 x 6</b>	Essieu 1 est entraîné additionnellement.
































### Autres équipements supplémentaires sur demande.

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

# Description of symbols

## Explication des symboles

### General symbols/Symboles généraux

	Max. capacity Capacité max.		infinitely variable en continu
	Max. lifting capacity Capacité max.		Rope diameter Diamètre
	Max. radius Portée max.		Rope length Longueur du câble
	Tyres Pneumatiques		Max. single line pull Effort au brin maxi.
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Hoist gear Treuil de levage
	No. of sheaves Poulies		Slewing speeds Vitesses d'orientation
	No. of lines Brins		Boom length Longueur de la flèche
	Weight Poids		Boom position Position de la flèche
	Crane carrier Châssis porteur		Counterweight Contrepoids
	Driving speed Vitesse de translation		Axle Essieu
	Gradability Aptitude à gravir les pentes		Page Page
	Transmission Boîte de vitesse		Outriggers Calage
	Gear Vitesse		Slewing gear / Working area Mécanisme d'orientation / Plage de travail
	Driving speed – Onroad gear Vitesse de translation – Vitesse de route		Standard Norme
	Driving speed – Crawl speed Vitesse de translation – Marche lente		Radius Portée
	Crane superstructure Partie tournante de la grue		

## Crane specific symbols/Symboles spécifiques à la grue



Telescopic boom  
Flèche télescopique



Mechanically/hydraulically adjustable assembly jib  
Fléchette de montage réglable mécaniquement/  
hydrauliquement



Mechanical/hydraulic swing away jib  
Fléchette pliante mécanique/hydraulique

### Remarks

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m<sup>2</sup> per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4. Lifting capacities are given in kip.
5. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centre.
7. The stated lengths of the telescopic boom are maximum values and may deviate slightly.
8. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
9. Subject to modification of lifting capacities.
10. Lifting capacities above 117,950 lbs only with additional pulley block.
11. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

### Remarques

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m<sup>2</sup> par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4. Les forces de levage sont données en kip.
5. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.
8. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
9. Charges données sous réserve de modification.
10. Forces de levage plus de 117,950 lbs seulement avec moufle additionnel.
11. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

## Proposition 65



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



Subject to modification / Sous réserve de modifications

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