



65 USt



131 ft



151 ft



177 ft



≤ 19,850 lb

Less weight for heavy lifting

LTM 1055-3.3

Mobile crane
Grue mobile

LIEBHERR

Mobile and crawler cranes

NEW



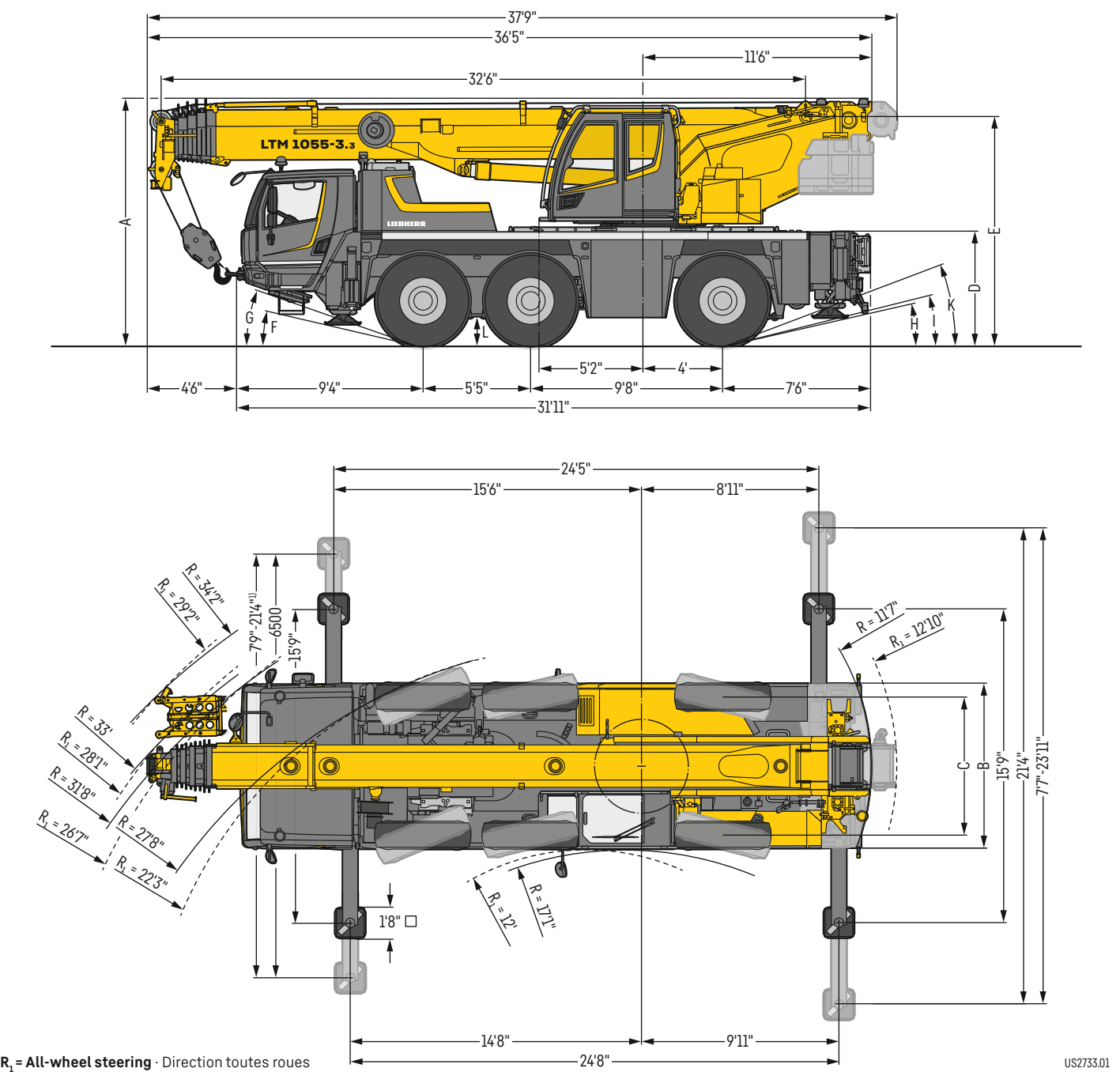
Technical data

Caractéristiques technique

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Dimensions

Encombrement



Dimensions · Encombrement

	A	A _{4"} *	B	C	D	E	F	G	H	I	K	L
445/95 R 25 (16.00 R 25)	12'6"	12'2"	8'4"	6'11"	5'9"	11'7"	15°	20°	13°	15°	20°	1'5"
525/80 R 25 (20.5 R 25)	12'6"	12'2"	8'10"	7'1"	5'9"	11'7"	15°	20°	13°	15°	20°	1'5"

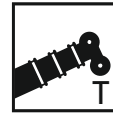
* lowered · abaissé

LTM 1055-3.3

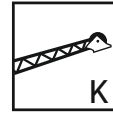
RemoteDrive allows the sensitive manoeuvring of the crane from the outside via radio remote control.

RemoteDrive permet des manœuvres précises de la grue depuis l'extérieur au moyen d'une télécommande radio.

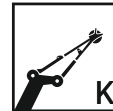




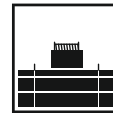
131 ft



28 ft – 49 ft



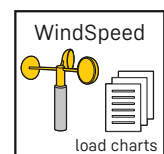
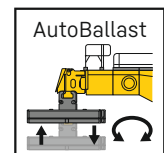
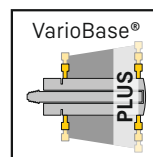
6 ft 3 in



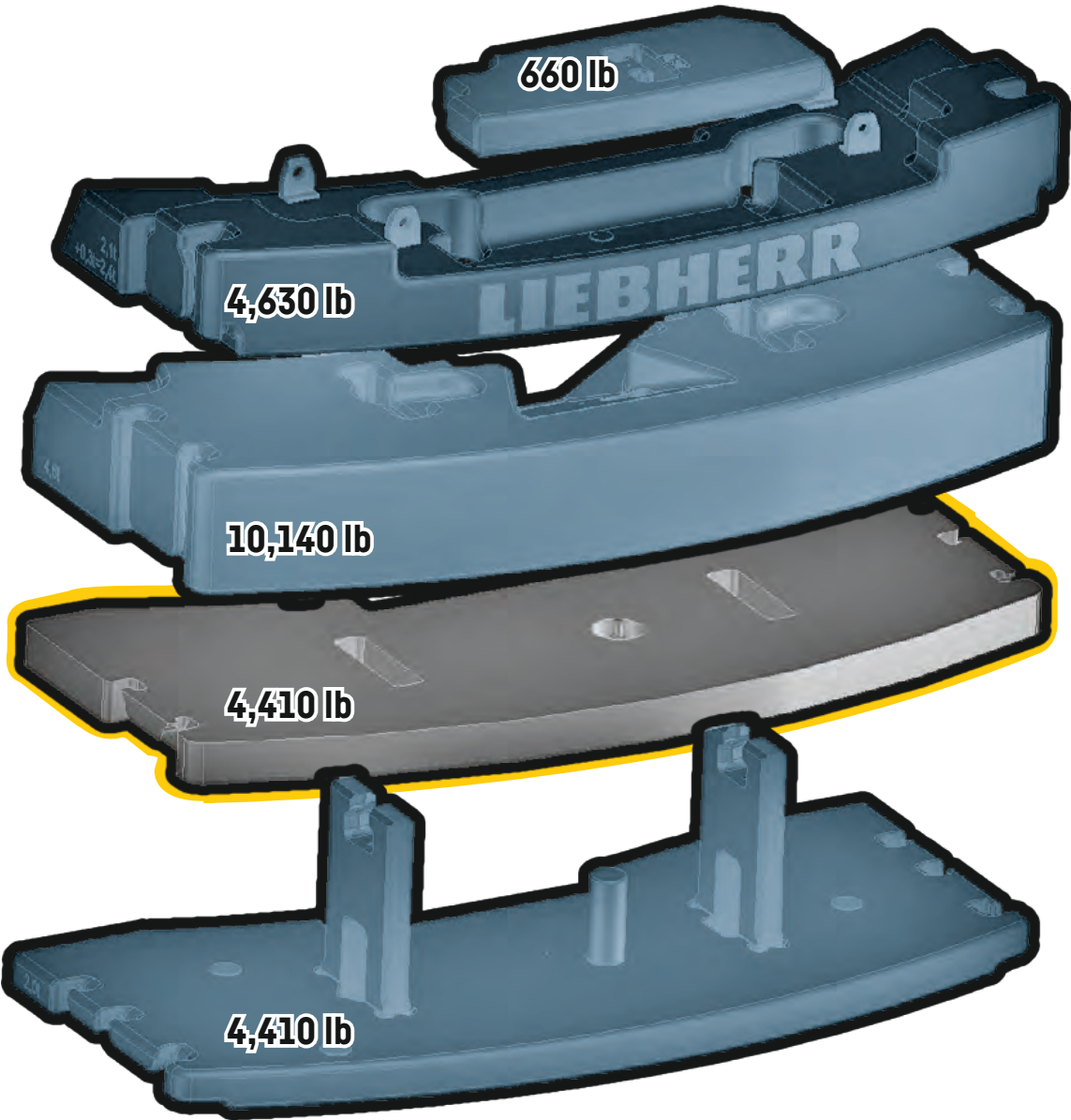
24,250 lb



243 kW (326 h.p.)



Counterweight Contrepoids



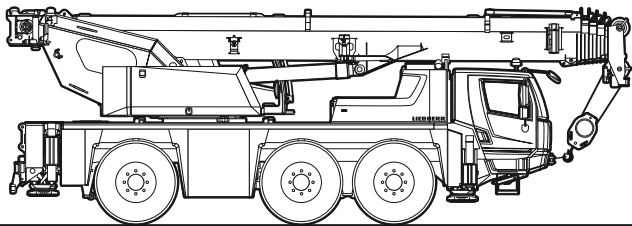
26,450 lb axle load
26,450 lb de charge par essieu

Technically transportable
Transport techniquement simplifié

Additional counterweight
Contrepoids additionnel

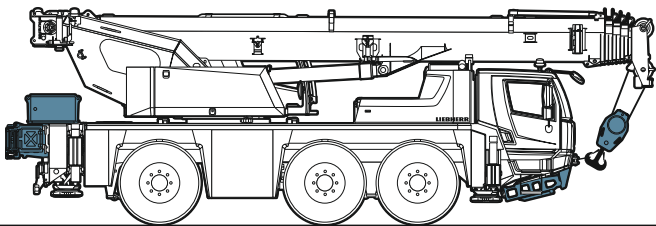
On-road driving

Déplacement sur route



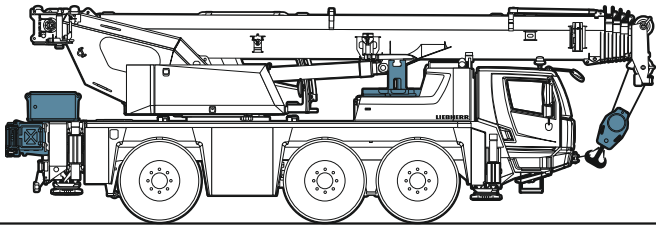
≤ 57,320 lb

≤ 19,850 lb ≤ 19,850 lb ≤ 19,850 lb



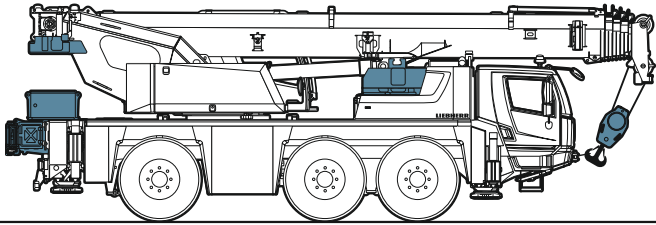
≤ 60,650 lb

≤ 21,000 lb ≤ 21,000 lb ≤ 21,000 lb



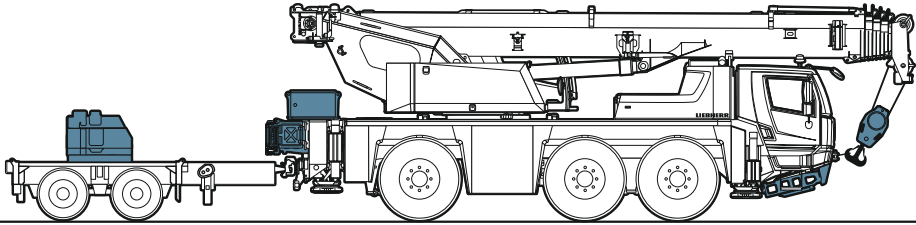
≤ 66,150 lb

≤ 22,050 lb ≤ 22,050 lb ≤ 22,050 lb



≤ 79,400 lb

≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb



≤ 92,150 lb

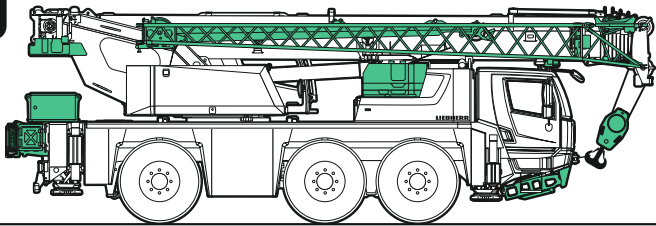
~15,450 lb* ~15,450 lb*

≤ 21,000 lb ≤ 21,000 lb ≤ 21,000 lb

* depends on the trailer · selon la remorque

Jobsite driving

Déplacement sur chantier



≤ 88,200 lb

≤ 30,850 lb ≤ 30,850 lb ≤ 30,850 lb

US3748

Crane data

Dates de la grue



Hook block • Moufles à crochet

			
78,500 lb	7	12	740 lb
57,100 lb	5	8	585 lb
50,270 lb	3	7	550 lb
22,270 lb	1	3	320 lb
7,500 lb	–	1	165 lb



Crane carrier • Châssis porteur

	 min.	 max.	 %		
445/95 R 25 (16.00 R 25)	0.3	53	48%		12 / R2
525/80 R 25 (20.5 R 25)	0.3	53	48%		4 / R2

Theoretical gradeability • aptitude théorique en pente



Max. supporting forces • Forces d'appui max.

		
	57,000 lb	79,000 lb



Crane superstructure • Partie tournante

				
	0 – 394 ft/min single line • au brin simple	13 mm	591 ft	7,640 lb
	0 – 394 ft/min single line • au brin simple	13 mm	591 ft	7,640 lb
	0 – 1.6 rpm			
	approx. 36 seconds to reach 82° boom angle env. 36 s jusqu'à 82°			
	approx. 240 seconds for boom extension from 32 ft – 131 ft env. 240 s pour passer de 32 ft – 131 ft			

Boom/jib combinations

Configurations de flèche

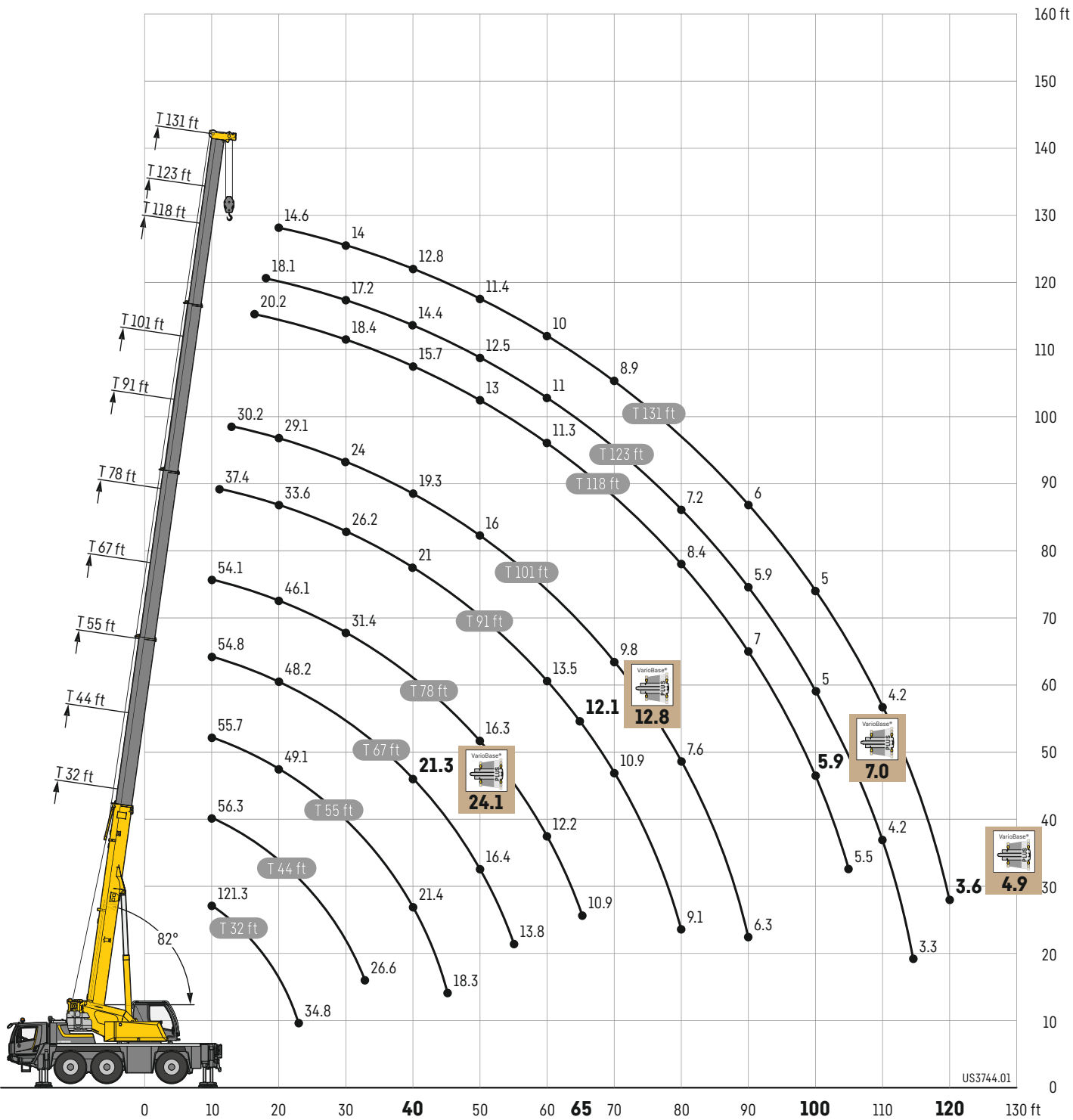
- T** **Telescopic boom**
Flèche télescopique
- K** **Mechanically adjustable folding jib**
Pointe pliante réglable mécaniquement
- K** **Mechanically adjustable assembly jib**
Fléchette de montage réglable mécaniquement



Lifting heights

Hauteurs de levage

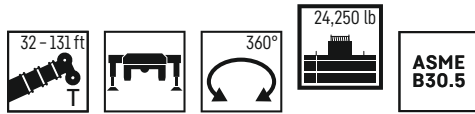
T



Lifting capacities

Forces de levage

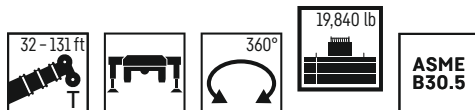
T



	32 ft	44 ft	55 ft	67 ft	78 ft	91 ft	101 ft	118 ft	123 ft	131 ft	
10	121.3	57.1	56.3	55.7	54.8	54.1					10
11	121.3	57.1	56.3	55.7	54.8	54.1	37.4				11
12	71.5	57.1	56.3	55.7	54.8	54.1	37.4				12
13	68.6	57.1	56.3	55.2	54.7	54.1	37.4	30.2			13
14	66	57.1	56.3	55.2	54.5	54.1	37	30.2			14
15	63.6	57.1	56.3	55.2	54.5	53.9	36.7	30.2			15
16	61.2	57.1	56.2	55.2	54.4	53.1	36.2	30.2			16
17	59.1	55.6	55.8	54.6	53.1	50.9	35.7	30.2	20.2		17
18	57.2	53	53.7	53.5	51.3	49.1	35.1	29.9	20.2	18.1	18
19	55.3	50.2	51.2	51.5	49.7	47.7	34.4	29.5	20.2	18.1	19
20	52.8	47.9	48.7	49.1	48.2	46.1	33.6	29.1	20.1	18.1	20
22	46	43.7	44.7	44.9	44.8	43.2	32	28.1	20	18.1	22
24	34.7	34.8	40.6	41	41.1	40.5	30.1	27.1	19.7	18.1	24
26			37.3	37.7	37.5	37.2	28.6	26.1	19.4	17.9	26
28			34	34.4	34.4	34.1	27.4	25.1	18.9	17.5	28
30			31.4	31.8	31.8	31.4	26.2	24	18.4	17.2	30
32			28.6	29	29.3	28.8	25	23.1	17.9	16.8	32
34			26.6	27	27	26.7	23.8	22.2	17.4	16.4	34
36				25.2	25.1	24.8	22.8	21.2	16.8	15.7	36
38				23.4	23.4	23.5	22	20.2	16.3	15	38
40				21.4	21.3	21.8	21	19.3	15.7	14.4	40
45				18.3	18.7	18.7	18.4	17.5	14.3	13.4	45
50					16.4	16.3	16	16	13	12.5	50
55					13.8	13.7	14.5	13.6	12.1	11.7	55
60						12.2	13.5	12.1	11.3	11	60
65						10.9	12.1	10.8	10.6	10.3	65
70							10.9	9.8	10	9.4	70
75							9.9	8.9	9.3	8.5	75
80							9.1	7.6	8.4	7.2	80
85								6.9	7.7	6.5	85
90								6.3	7	5.9	90
95									6.4	5.4	95
100									5.9	5	100
105									5.5	4.6	105
110										4.2	110
115										3.3	115
120										3.6	120

* ± 0° over rear - en arriere

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	32 ft	44 ft	55 ft	67 ft	78 ft	91 ft	101 ft	118 ft	123 ft	131 ft	
10	57.1	56.3	55.7	54.8	54.1						10
11	57.1	56.3	55.7	54.8	54.1	37.4					11
12	57.1	56.3	55.7	54.8	54.1	37.4					12
13	57.1	56.3	55.2	54.7	54.1	37.4	30.2				13
14	57.1	56.3	55.2	54.5	54.1	37	30.2				14
15	57.1	56.3	55.2	54.5	53.9	36.7	30.2				15
16	57.1	56.2	55.2	54.4	53.1	36.2	30.2				16
17	54.8	55.1	54.5	53.1	50.9	35.7	30.2	20.2			17
18	52.2	52.9	52.9	51.3	49.1	35.1	29.9	20.2	18.1		18
19	49.5	50.4	50.9	49.7	47.7	34.4	29.5	20.2	18.1		19
20	47.2	48	48.4	47.8	46.1	33.6	29.1	20.1	18.1	14.6	20
22	42.3	43.2	43.9	43.8	42.8	32	28.1	20	18.1	14.5	22
24	34.8	39.4	39.8	39.8	39.4	30.1	27.1	19.7	18.1	14.4	24
26		35.7	36.1	36.3	35.6	28.6	26.1	19.4	17.9	14.3	26
28		32.6	33.1	33.1	32.7	27.4	25.1	18.9	17.5	14.2	28
30		29.9	30.3	30.3	29.8	26.2	24	18.4	17.2	14	30
32		27.2	27.7	27.7	27.3	25	23.1	17.9	16.8	13.9	32
34		25.2	25.6	25.6	25.6	23.8	22.2	17.4	16.4	13.6	34
36			23.7	23.7	24.2	22.8	21.2	16.8	15.7	13.3	36
38			21.6	21.6	22.4	21.7	20.2	16.3	15	13.1	38
40			20.2	20.5	20.6	20.3	19.3	15.7	14.4	12.8	40
45			17.3	17.8	17.6	17.4	17.3	14.3	13.4	12.1	45
50				14.7	14.6	15.5	14.6	13	12.5	11.4	50
55				13	12.9	14.3	12.8	12.1	11.7	10.7	55
60					11.4	12.7	11.3	11.3	10.9	10	60
65					10.3	11.4	10.2	10.6	9.8	9.5	65
70						10.2	9.2	9.5	8.8	8.8	70
75						9.3	8.2	8.6	7.6	7.4	75
80						8.5	7	7.8	6.7	6.7	80
85							6.4	7.1	6	6.1	85
90							5.9	6.5	5.5	5.5	90
95								6	5	5	95
100								5.4	4.6	4.6	100
105								4.9	4.1	4.1	105
110									3.8	3.8	110
115									3.3	3.4	115
120										3.2	120

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Lifting capacities

Forces de levage

T

32 - 131 ft

T

360°

4,410 lb

ASME

B30.5

	32 ft	44 ft	55 ft	67 ft	78 ft	91 ft	101 ft	118 ft	123 ft	131 ft	
10	57.1	56.3	55.7	54.8	54.1						10
11	57.1	56.3	55.7	54.8	54.1	37.4					11
12	57.1	56.3	55.7	54.8	54.1	37.4					12
13	57.1	56.3	55.2	54.7	54.1	37.4	30.2				13
14	57.1	56.3	55.2	54.5	54.1	37	30.2				14
15	56.4	55.6	54.9	54.5	53.9	36.7	30.2				15
16	53.5	54.4	53.7	54.2	53.1	36.2	30.2				16
17	49.8	50.9	51.5	51.6	50.9	35.7	30.2	20.2			17
18	46.7	47.7	48.1	48.3	47.4	35.1	29.9	20.2	18.1		18
19	43.7	44.7	45.3	45.2	44.5	34.4	29.5	20.2	18.1		19
20	40.6	41.8	42.4	42.3	41.4	33.6	29.1	20.1	18.1	14.6	20
22	35.1	36.3	37.1	37.1	36.6	32	28.1	20	18.1	14.5	22
24	31.1	32.3	32.8	32.8	32.3	29.8	27.1	19.7	18.1	14.4	24
26		28.5	29.1	29.3	29.8	27.2	26	19.4	17.9	14.3	26
28		25.7	26.2	26.7	26.8	25.5	24.2	18.9	17.5	14.2	28
30		23.4	23.9	24.5	24.4	23.5	22.4	18.4	17.2	14	30
32		20.9	21.5	22.3	22.1	21.4	20.9	17.9	16.8	13.9	32
34		19.3	19.8	20.3	20.2	20.3	19.3	17.3	16.4	13.6	34
36			18.3	18.7	18.6	18.8	17.8	16.1	15.7	13.3	36
38			17	17.4	17.3	17.5	16.5	15.3	14.8	13.1	38
40			15.8	16.2	16.1	16.2	15.4	14.5	13.8	12.8	40
45			12.1	12.7	12.7	13.7	12.4	12.4	11.6	11.5	45
50				10.5	10.5	11.6	10.3	10.6	9.7	9.7	50
55				8.8	8.8	9.8	8.7	9	7.8	8.2	55
60					7	8.3	6.9	7.7	6.4	6.5	60
65					6.1	7.2	5.9	6.6	5.5	5.6	65
70						6.2	5.1	5.7	4.7	4.7	70
75						5.5	4.4	4.9	4	4.1	75
80						4.8	3.9	4.3	3.4	3.5	80
85							3.4	3.7	2.9	3	85
90							3	3.2	2.5	2.6	90
95								2.8	2.2	2.2	95
100								2.5	1.8	1.9	100
105								2.1	1.6	1.6	105
110										1.3	110

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32 - 131 ft

T

360°

0 lb

ASME

B30.5

	32 ft		44 ft		55 ft		67 ft	78 ft	91 ft	101 ft	118 ft	123 ft	131 ft	
		*		*		*								
10	57.1	57.1	56.3	56.3	55.7	55.7	54.8	54.1						10
11	57.1	57.1	56.3	56.3	55.7	55.7	54.8	54.1	37.4					11
12	57.1	57.1	56.3	56.3	55.7	55.7	54.8	54.1	37.4					12
13	57.1	57.1	56.3	56.3	55.2	55.2	54.7	54.1	37.4	30.2				13
14	57	57.1	56.2	56.3	55.2	55.2	54.5	54.1	37	30.2				14
15	55.2	57.1	55	56.3	54.7	55.1	54.3	52.7	36.7	30.2				15
16	51.1	57.1	52.4	56.2	52.3	55.1	52.9	49.6	36.2	30.2				16
17	47.5	57	48.6	56	49.3	53.4	49.1	45.4	35.7	30.2	20.2			17
18	44	53.6	45.2	52.5	45.8	49.1	45.5	42	35.1	29.9	20.2	18.1		18
19	40.5	48	42	48.4	42.7	45.7	42.3	39.3	34.4	29.5	20.2	18.1		19
20	37.6	43.3	38.8	44.6	39.5	42.2	39.3	36.6	33	29.1	20.1	18.1	14.6	20
22	32.6	36.1	33.7	37.9	34.3	36.7	34.3	33.1	29.5	28.1	20	18.1	14.5	22
24	28.4	30.9	29.5	32.4	30.2	32.4	30.3	29.7	27.2	25.7	19.7	18.1	14.4	24
26			26.4	27.9	26.9	28.5	27.5	26.2	24.5	23.7	19.4	17.9	14.3	26
28			23.8	24.6	24.4	25.2	24.9	23.6	22.5	21.5	18.8	17.5	14.2	28
30			21.1	21.5	21.9	22.4	22.5	21.3	20.8	19.4	17.4	17.2	14	30
32			19.3	19.3	19.9	20	20.3	19.4	18.9	17.9	16.5	15.9	13.9	32
34			17.1	17.2	17.8	17.9	18.4	18	17.4	16.5	15.5	14.6	13.6	34
36					15.7	15.9	16.6	16.2	15.9	15.1	14.3	13.4	13	36
38					13.6	13.9	14.4	14.3	14.8	13.9	13.2	12.4	12.2	38
40					12.3	12.6	12.9	13	13.7	12.8	12.3	11.5	11.4	40
45					9.8	10.2	10.3	10.3	11.4	10.2	10.2	9.5	9.5	45
50							8.5	8.4	9.4	8.3	8.7	7.6	7.6	50
55							6.6	6.6	7.8	6.5	7.2	6	6.1	55
60								5.6	6.6	5.4	6	5	5	60
65								4.7	5.6	4.6	5.1	4.2	4.2	65
70									4.8	3.9	4.3	3.5	3.5	70
75									4.2	3.3	3.7	2.9	3	75
80									3.6	2.8	3.1	2.4	2.5	80
85										2.4	2.6	2	2.1	85
90										2.1	2.2	1.6	1.7	90
95											1.9	1.3	1.4	95
100											1.6			100

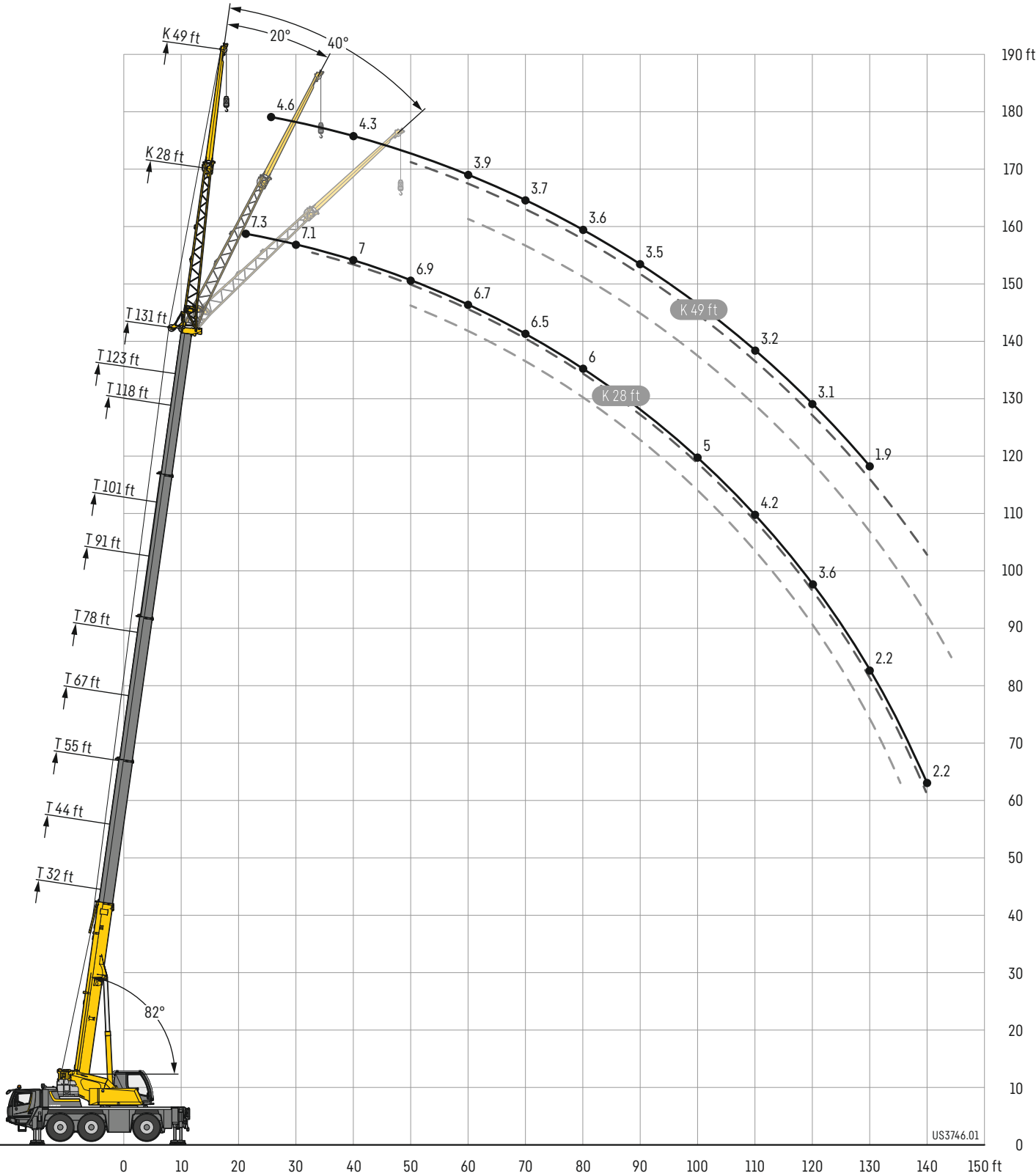
* +/- 10° = over rear - en arrière

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Lifting heights

Hauteurs de levage

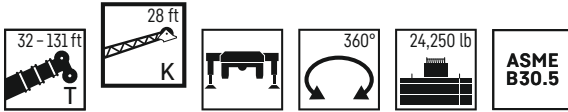
TK



Lifting capacities

Forces de levage

TK



	32 ft			44 ft			55 ft			67 ft			78 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	13.9			13.9			13.9			13.9			13.9			10
11	13.5			13.9			13.9			13.9			13.9			11
12	13.2	10.6		13.9			13.9			13.9			13.9			12
13	13	10.6		13.9	10.6		13.9			13.9			13.9			13
14	12.7	10.6		13.7	10.6		13.9			13.9			13.9			14
15	12.4	10.6		13.4	10.6		13.9	10.6		13.9			13.9			15
16	12	10.6		13.2	10.6		13.9	10.6		13.9			13.9			16
17	11.7	10.6		13	10.6		13.8	10.6		13.9			13.9			17
18	11.4	10.6		12.7	10.6		13.5	10.6		13.9	10.6		13.9			18
19	11	10.6		12.4	10.6		13.3	10.6		13.9	10.6		13.9			19
20	10.8	10.4		12.1	10.6		13.1	10.6		13.9	10.6		13.9	10.6		20
22	10.3	9.9	7.1	11.6	10.6		12.7	10.6		13.4	10.6		13.9	10.6		22
24	9.8	9.5	7.1	11	10.3	7.1	12.2	10.6		13.1	10.6		13.8	10.6		24
26	9.3	9.1	7.1	10.6	9.9	7.1	11.8	10.6	7.1	12.7	10.6		13.3	10.6		26
28	9	8.7	7.1	10.2	9.5	7.1	11.3	10.2	7.1	12.3	10.6		13.1	10.6		28
30	8.8	8.5	6.9	9.8	9.3	7.1	10.8	9.9	7.1	11.9	10.4	7.1	12.7	10.4		30
32	8.5	8.2	6.8	9.4	8.9	7.1	10.5	9.5	7.1	11.5	10.1	7.1	12.4	10.2	7.1	32
34	8.2	7.9	6.6	9.1	8.6	6.9	10.1	9.3	7.1	11	9.9	7.1	12	10	7.1	34
36	7.9	7.7	6.6	8.9	8.4	6.8	9.8	9.1	7.1	10.7	9.6	7.1	11.6	9.8	7.1	36
38	7.6	7.5	6.6	8.7	8.2	6.7	9.4	8.8	6.9	10.4	9.4	7.1	11.2	9.6	7.1	38
40	7.3	7.4	6.6	8.4	8	6.6	9.2	8.6	6.8	10.1	9.2	7.1	10.9	9.4	7.1	40
45	6.5	6.8	6.5	7.8	7.6	6.6	8.7	8.1	6.6	9.3	8.6	6.8	10.2	8.9	7	45
50	5.8	6.6	6.1	7.1	7	6.5	8.2	7.7	6.6	8.9	8.2	6.6	9.5	8.5	6.8	50
55				6.5	6.7	6.5	7.6	7.4	6.5	8.4	7.7	6.6	9	8.1	6.6	55
60				5.9	6.6	6.1	7	6.8	6.5	8	7.1	6.5	8.6	7.8	6.5	60
65							6.5	6.6	6.5	7.5	6.9	6.4	8.2	7.4	6.4	65
70							6	6.5	6.2	6.9	6.7	6.4	7.8	6.9	6.4	70
75							5.5			6.5	6.5	6.4	7.4	6.7	6.4	75
80										6.1	6.5	6.2	6.9	6.6	6.4	80
85										5.7	6.5		6.4	6.5	6.4	85
90													6.1	6.4	6.2	90
95													5.7	6.2		95

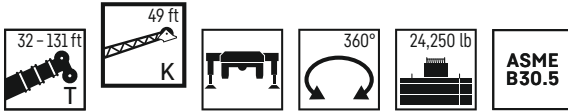
	91 ft			101 ft			118 ft			123 ft			131 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
13	13.5															13
14	13.5															14
15	13.4			13.1												15
16	13.4			13.1												16
17	13.3			13			7.5									17
18	13.3			13			7.5			7.5						18
19	13.2			12.9			9.9			7.5						19
20	13.2			12.9			9.9			7.5						20
22	13.1			12.8			9.9			7.5			7.3			22
24	13	10.6		12.7			9.8			7.5			7.2			24
26	12.8	10.4		12.5	10.5		9.8			7.5			7.2			26
28	12.7	10.2		12.4	10.4		9.7			7.5			7.2			28
30	12.5	10		12.2	10.2		9.6	7.5		7.5			7.1			30
32	12.4	9.8		12.1	10		9.5	8.8		7.5	7.5		7.1			32
34	12.2	9.5		11.9	9.8		9.5	8.7		7.5	7.5		7.1	6.8		34
36	11.9	9.4	7.1	11.8	9.6		9.4	8.7		7.5	7.5		7.1	6.7		36
38	11.7	9.2	7.1	11.6	9.4	7.1	9.3	8.6		7.5	7.5		7	6.7		38
40	11.5	9	7.1	11.5	9.3	7.1	9.2	8.5		7.5	7.4		7	6.7		40
45	10.9	8.7	6.9	11.1	8.9	7	9.1	8.3	6.7	7.5	7.3		6.9	6.6		45
50	10.3	8.4	6.7	10.7	8.6	6.8	8.9	8.1	6.6	7.5	7.2	6.6	6.9	6.5	6.2	50
55	9.8	8.1	6.6	10.2	8.3	6.7	8.8	7.9	6.5	7.5	7.1	6.5	6.8	6.5	6.1	55
60	9.2	7.8	6.5	9.7	7.9	6.6	8.6	7.5	6.5	7.5	7	6.4	6.7	6.4	6	60
65	8.9	7.4	6.4	9.2	7.3	6.5	8.4	7.2	6.4	7.5	6.9	6.3	6.6	6.3	6	65
70	8.5	7	6.4	8.9	7	6.4	8	6.9	6.3	7.2	6.8	6.3	6.5	6.2	5.9	70
75	8	6.7	6.3	8.2	6.9	6.3	7.5	6.7	6.3	6.9	6.8	6.3	6.3	6.1	5.9	75
80	7.3	6.6	6.3	7	6.7	6.3	6.9	6.5	6.2	6.6	6.6	6.2	6	6	5.9	80
85	6.7	6.5	6.3	6.3	6.6	6.3	6.4	6.3	6.1	6.3	6.3	6.2	5.7	5.8	5.8	85
90	6.3	6.3	6.3	6	6	6.1	5.8	6	6	6	6	6	5.5	5.6	5.6	90
95	5.9	6	6	5.7	5.7	5.8	5.4	5.5	5.7	5.5	5.7	5.8	5.2	5.3	5.4	95
100	5.4	5.5	5.6	5.4	5.4	5.5	5.2	5.2	5.2	5.1	5.3	5.4	5	5.1	5.2	100
105	5	5.1		5	5.2	5.2	4.9	5	5	4.6	4.8	4.9	4.6	4.8	4.9	105
110	4.7			4.7	4.8	4.8	4.5	4.7	4.7	4.2	4.4	4.5	4.2	4.4	4.5	110
115				4.3	4.4		4.2	4.3	4.4	3.9	4.1	4.1	3.9	4	4.1	115
120				4			3.9	4	4	3.6	3.7	3.8	3.6	3.7	3.8	120
125							3.6	3.7	3.7	3.3	3.4	3.5	3.1	3.4	3.4	125
130							3.3	3.4		3	3.1	3.1	2.2	2.8	2.9	130
135							3.1	3.1		2.3	2.6		1.4	1.9	2	135
140										1.6	1.7		0.7	1.1		140

t_249_002_04001_00_000

Lifting capacities

Forces de levage

TK



	32 ft			44 ft			55 ft K 49 ft			67 ft			78 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	6.7			6.6			6.8			6.8						10
11	6.7			6.6			6.8			6.8						11
12	6.7			6.6			6.8			6.8			6.8			12
13	6.6			6.6			6.8			6.8			6.8			13
14	6.6			6.6			6.8			6.8			6.8			14
15	6.6			6.6			6.8			6.8			6.8			15
16	6.4			6.6			6.8			6.8			6.8			16
17	6.4			6.6			6.8			6.8			6.8			17
18	6.3			6.6			6.8			6.8			6.8			18
19	6.2			6.4			6.7			6.8			6.8			19
20	6.2			6.4			6.6			6.8			6.8			20
22	6			6.3			6.5			6.6			6.8			22
24	5.9	4.6		6.2	4.6		6.4			6.6			6.7			24
26	5.7	4.6		6	4.6		6.2			6.4			6.6			26
28	5.5	4.6		5.9	4.6		6.2	4.6		6.4			6.5			28
30	5.3	4.6		5.7	4.6		6	4.6		6.2	4.6		6.4			30
32	5.2	4.6		5.6	4.6		5.9	4.6		6.2	4.6		6.3	4.6		32
34	5	4.4		5.4	4.6		5.8	4.6		6.1	4.6		6.2	4.6		34
36	4.8	4.4	3.5	5.3	4.5		5.6	4.6		5.9	4.6		6.2	4.6		36
38	4.6	4.2	3.5	5.1	4.4	3.5	5.5	4.6		5.8	4.6		6.1	4.6		38
40	4.6	4.2	3.5	5	4.4	3.5	5.4	4.4	3.5	5.7	4.6		5.9	4.6		40
45	4.4	3.9	3.5	4.6	4.2	3.5	5	4.3	3.5	5.4	4.4	3.5	5.7	4.6	3.5	45
50	4	3.7	3.4	4.4	4	3.5	4.7	4.1	3.5	5.1	4.2	3.5	5.4	4.4	3.5	50
55	3.7	3.5	3.3	4.2	3.7	3.3	4.5	4	3.5	4.8	4.1	3.5	5.1	4.2	3.5	55
60	3.6	3.4	3.3	3.9	3.5	3.3	4.4	3.7	3.3	4.6	4	3.5	4.8	4.1	3.5	60
65	3.5	3.3	3.2	3.7	3.5	3.3	4.1	3.6	3.3	4.4	3.7	3.3	4.6	4	3.5	65
70	3.3	3.3		3.6	3.3	3.2	3.8	3.5	3.3	4.2	3.7	3.3	4.4	3.7	3.3	70
75				3.5	3.3	3.2	3.7	3.4	3.2	4	3.5	3.3	4.3	3.7	3.3	75
80				3.3	3.3	3.2	3.6	3.3	3.2	3.8	3.5	3.2	4.1	3.5	3.3	80
85							3.5	3.3	3.2	3.7	3.3	3.2	3.9	3.5	3.2	85
90							3.3	3.3	3.2	3.5	3.3	3.2	3.7	3.4	3.2	90
95							3.2	3.3		3.4	3.3	3.2	3.7	3.3	3.2	95
100										3.3	3.3	3.2	3.5	3.3	3.2	100
105										3.2	3.3		3.4	3.2	3.2	105
110													3.3	3.2	3.2	110
115													3.2	3.2		115

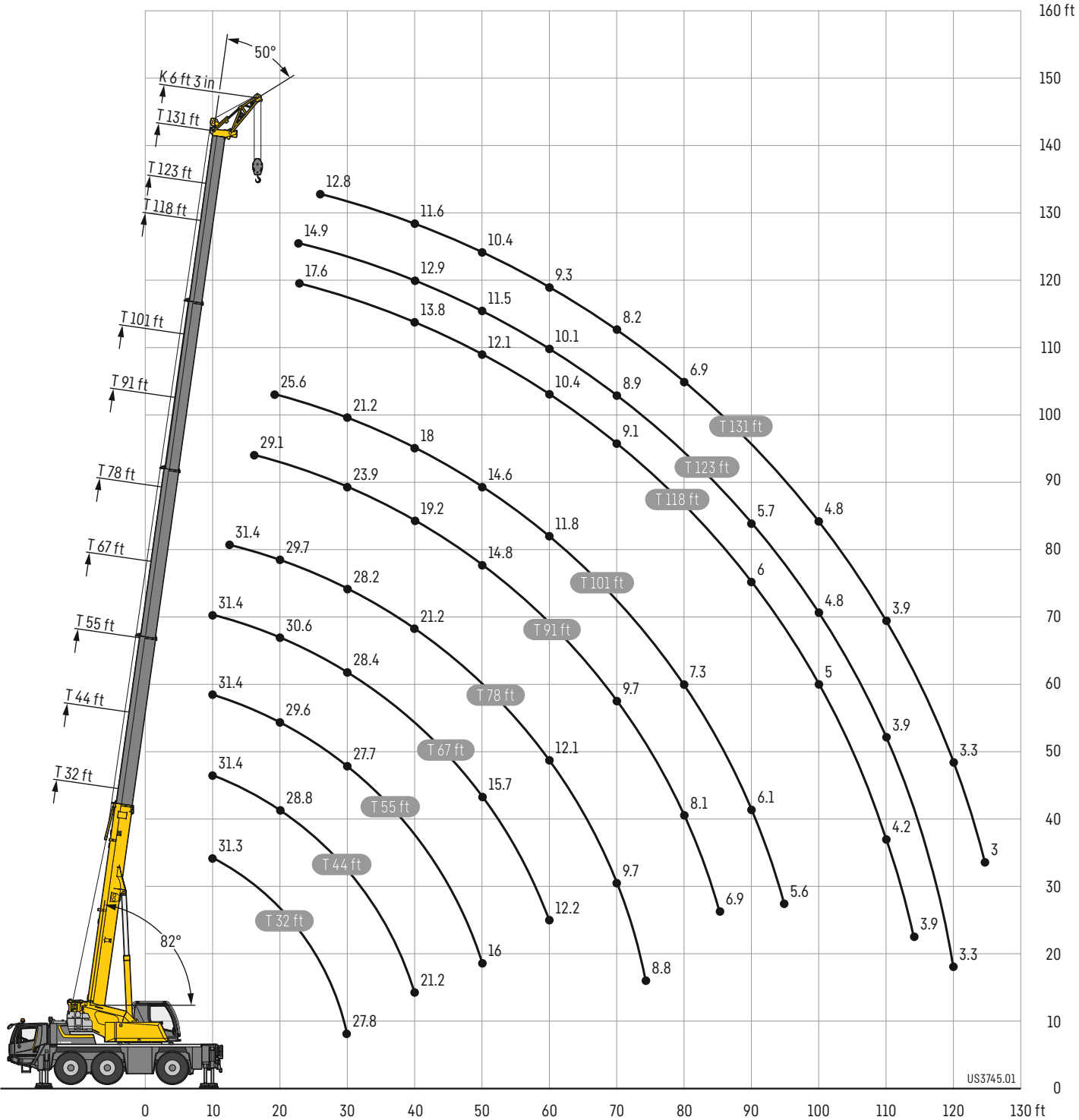
	91 ft			101 ft			118 ft K 49 ft			123 ft			131 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16	6.8															16
17	6.8															17
18	6.8															18
19	6.8															19
20	6.8															20
22	6.8						5.6									22
24	6.6						5.6			5.1						24
26	6.5						5.5			5.1			4.6			26
28	6.4						5.4			5			4.6			28
30	6.3						5.3			5			4.5			30
32	6.2						5.3			4.9			4.5			32
34	6.1						5.2			4.8			4.4			34
36	6	4.6		6			5.1			4.8			4.4			36
38	5.9	4.6		6	4.6		5.1			4.7			4.3			38
40	5.8	4.6		5.9	4.6		5			4.7			4.3			40
45	5.6	4.6		5.6	4.6		4.8	4.3		4.6			4.2			45
50	5.4	4.4	3.5	5.4	4.5	3.5	4.7	4.1		4.4	4		4.1	3.7		50
55	5.2	4.3	3.5	5.2	4.4	3.5	4.6	4	3.5	4.3	3.9		4	3.6		55
60	5	4.1	3.5	5	4.2	3.5	4.5	3.9	3.5	4.2	3.8	3.4	3.9	3.5	3.4	60
65	4.8	4	3.4	4.8	4.1	3.5	4.3	3.8	3.4	4.1	3.7	3.4	3.8	3.5	3.3	65
70	4.6	3.9	3.4	4.7	4	3.4	4.2	3.7	3.4	4	3.6	3.3	3.7	3.4	3.3	70
75	4.4	3.7	3.3	4.5	3.8	3.3	4.1	3.7	3.3	3.9	3.5	3.3	3.7	3.3	3.2	75
80	4.3	3.7	3.3	4.4	3.7	3.3	4	3.6	3.2	3.8	3.5	3.2	3.6	3.3	3.2	80
85	4.1	3.6	3.2	4.2	3.6	3.2	3.9	3.5	3.2	3.7	3.4	3.2	3.5	3.2	3.1	85
90	3.9	3.5	3.2	4.1	3.5	3.2	3.8	3.4	3.2	3.6	3.3	3.2	3.5	3.2	3.1	90
95	3.8	3.4	3.2	4	3.4	3.2	3.7	3.4	3.1	3.6	3.3	3.1	3.4	3.1	3	95
100	3.7	3.3	3.2	3.8	3.4	3.2	3.6	3.3	3.1	3.5	3.2	3.1	3.3	3.1	3	100
105	3.5	3.3	3.2	3.7	3.3	3.2	3.6	3.3	3.1	3.4	3.2	3.1	3.3	3.1	3	105
110	3.4	3.2	3.2	3.6	3.3	3.2	3.5	3.2	3.1	3.4	3.1	3.1	3.2	3	3	110
115	3.3	3.2		3.5	3.2	3.2	3.4	3.2	3.1	3.3	3.1	3.1	3.2	3	3	115
120	3.3	3.2	3.2	3.4	3.2	3.2	3.4	3.1	3.1	3.3	3.1	3	3.1	3	3	120
125	3.2	3.2		3.3	3.2	3.2	3.3	3.1	3.1	3.2	3.1	3	2.7	2.9	3	125
130	3.2			3.2	3.2	3.2	3.2	3.1	3.1	2.7	3	3	1.9	2.8	3	130
135				3.2	3.2		2.8	3.1	3.1	1.9	2.8	3		2.3	2.8	135
140				3.1			2.1	2.8	3	1.2	2.1	2.5		1.4	1.9	140
145							1.4	2	2.1		1.3	1.5			1	145
150							0.8	1.2								150

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Lifting heights

Hauteurs de levage

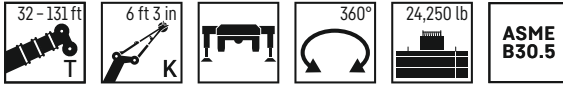
TK



Lifting capacities

Forces de levage

TK



	32 ft			44 ft			55 ft			67 ft			78 ft			
	K 6 ft 3 in															
	0°	25°	50°	0°	25°	50°	0°	25°	50°	0°	25°	50°	0°	25°	50°	
10			31.3			31.4			31.4			31.4				10
11			30.7			31.4			31.4			31.4				11
12			30.1			31.4			31.4			31.4			31.4	12
13			29.7			31.2			31.4			31.4			31.4	13
14			29.3			30.8			31.4			31.4			31.3	14
15		37.8	29			30.4			31.2			31.4			31	15
16		36.9	28.8			30			30.9			31.4			30.9	16
17		36.1	28.5			29.6			30.6			31.3			30.5	17
18		35.4	28.3			29.3			30.3			31.1			30.1	18
19		34.8	28.1			29			29.9			30.9			29.8	19
20		34.2	28			28.8			29.6			30.6			29.7	20
22	43.2	33.2	27.9		36.2	28.4			28.9			30.1			29.3	22
24	40	32.4	27.8		35.1	28			28.6			29.6			29	24
26	36.4	31.7	27.8		34.2	27.7			28.2			29.1			28.7	26
28	33.5	31.4	27.8		33.3	27.6	33.9	28				28.7			28.4	28
30	26.1	30.9	27.8		31.3	27.5	31.9	27.7				28.4			28.2	30
32				28.6	28.7	27.5	29.2	27.5				28			27.8	32
34				26.6	26.8	26.7	27.1	27.1				27.1			26.9	34
36				24.8	25	25.1	25.3	25.4		25.1	25.4				25	36
38				23.1	23.3	23.4	23.5	23.7		23.2	23.7				22.9	38
40				21.1	21.2	21.2	21.3	21.4	21.6		21.4	21.8			21.2	40
45							18.2	18.4	18.4		18.3	18.4		18	18.1	45
50							15.8	16	16	15.4	15.8	15.7			16.1	50
55										13.6	13.4	13.4			13.5	55
60										12.1	12.2	12.2	11.9	12	12.1	60
65											8.9		10.7	10.7	10.8	65
70													9.6	9.7	9.7	70
75													8.7	8.8	8.8	75

	91 ft			101 ft			118 ft		123 ft		131 ft	
	K 6 ft 3 in											
	0°	25°	50°	0°	25°	50°	25°	50°	25°	50°	50°	
16			29.1									16
17			29									17
18			28.9									18
19			28.7			25.6						19
20			28.6			25.3						20
22			28.2			24.7						22
24			27.3			24.1		17.6		14.9		24
26			26.2			23.4		17.4		14.7	12.8	26
28			25.1			22.2		17.1		14.5	12.7	28
30			23.9			21.2		16.6		14.3	12.6	30
32			22.9			20.5		16.3		14	12.4	32
34			22			19.8		15.8		13.8	12.2	34
36			21.1			19.2		15.1		13.5	12	36
38			20.2			18.6		14.3		13.2	11.8	38
40			19.2			18		13.8		12.9	11.6	40
45			17.4			16.4		12.9		12.2	11	45
50		14.9	14.8			14.6		12.1		11.5	10.4	50
55		13.3	13.3			13.1		11.2		10.8	9.8	55
60		11.8	11.9		11.8	11.8		10.4		10.1	9.3	60
65		10.5	10.6		10.5	10.7		9.8		9.5	8.7	65
70	9.7	9.7	9.7		9.5	9.5	8.7	9.1		8.9	8.2	70
75	8.8	8.8	8.9		8.5	8.6	8.2	8.2	8.2	8.3	7.6	75
80	7.9	7.9	8.1	7.2	7.4	7.3	7.3	7.3	7	7	6.9	80
85	6.8	6.9	6.9	6.6	6.6	6.7	6.5	6.6	6.3	6.3	6.4	85
90				6	6.1	6.1	6	6	5.7	5.7	5.8	90
95				5.5	5.6	5.6	5.5	5.5	5.2	5.2	5.2	95
100							5	5	4.7	4.8	4.8	100
105							4.6	4.6	4.3	4.3	4.3	105
110							4.2	4.2	3.9	3.9	3.9	110
115							3.9	3.9	3.6	3.6	3.6	115
120									3.3	3.3	3.3	120
125											3	125

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Equipment



Crane carrier

Frame	Liebherr designed and manufactured, box-type, torsion resistant design of hightensile 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	6-cylinder Diesel, make Cummins, watercooled, output 243 kW (326 h.p.), max. torque 1014 lb-ft. Exhaust emissions to (EU 2016/1628 and EPA/CARB, spark arrestor. Fuel reservoir: 92 gallons.
Transmission	ZF 12-speed gear box with automatic control system. Two-stage transfer case with lockable transfer differential.
Axles	All axles steered, axle 1 and 3 driven with lockable differential gears.
Suspension	All axles with hydropneumatic suspension and hydraulic locking facility.
Tyres	6 tyres. Tyre size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering and auxiliary pump circuit. 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. Hand brake: Spring-loaded, acting on all wheels of axles 1, 2 and 3. Sustained-action brakes: Engine brake
Driver's cab	Spacious, corrosion-resistant driver's cab which is disconnected from the vehicle frame using spring and damper systems.
Electrical system	Modern data bus technique, 24 Volt DC.



Crane superstructure

Frame	Liebherr-made, torsion-resistant, welded construction of high-tensile structural steel, single-row ball bearing slewing ring.
Crane drive	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".
Control	Electrical control of drives by self-centering joysticks, data transfer with Liebherr System Bus (LSB). Operation of 4 movements simultaneously.
Hoist gear	Axial piston fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake, actuation by open regulated oil circuit.
Luffing gear	1 differential ram with pilot operated brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Corrosion resistant, large field of vision, safety glazing.
Safety devices	LICCON3 safe load indicator, hoist limit switch, safety valves against pipe and hose rupture, test system for servicing.
Telescopic boom	1 base section and 4 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom telescopic under partial load. Boom length: 32 ft – 131 ft.
Counterweight	19,840 lb
Electrical system	Modern data bus technique, 24 Volt DC.

Additional equipment

K	Single folding jib, 28 ft Double swing-away jib 28 ft – 49 ft Mechanical adjustment 0°, 20°, 40°
K	Assembly jib 6 ft 3 in Mechanical adjustment 0°; 25°; 50°
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	4,410 lb for a total counterweight of 24,250 lb.
Brake	TELMA-type eddy current brake
Tyres	6 tyres. Tyre size: 525/80 R 25 (20.5 R 25).
Other items of equipment available on request.	

Equipment



Châssis porteur

Cadre	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
Calage	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, 6 cylindres, fabriqué par Cummins, à refroidissement par eau, de 243 kW (326 ch), couple max. 1014 lb-ft. Emissions des gaz d'échappement conformes aux directives (EU) 2016/1628 et EPA/CARB, pare-étincelles. Capacité du réservoir à carburant: 92 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Tous les essieux sont directeurs, les essieux 1 et 3 sont entraînés par des engrenages différentiels blocables.
Suspension	Tous les essieux sont suspendus hydropneumatiquement et blocable hydrauliquement.
Pneumatiques	6 roues. Taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique avec pompe auxiliaire entraînée par essieu. 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. Frein à main: par cylindres à ressorts, agissant sur les roues des essieux 1, 2 et 3. Freins continus: frein moteur
Cabine	Cabine du grutier spacieuse, résistant à la corrosion, découplée du châssis de l'engin grâce à des systèmes à ressorts amortisseurs.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts.



Partie tournante

Cadre	Fabrication Liebherr, construction mécanosoudée en tôle d'acier à haute résistance à grains fins. Couronne d'orientation à 1 rangée de billes.
Entraînement	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.
Commande	Commande électrique des mécanismes par leviers de manoeuvre à centrage automatique, Liebherr Système Bus (LSB) pour la transmission. 4 mouvements simultanés praticables.
Mécanisme de levage	Moteur hydraulique à cylindrée constante, treuil à réducteur planétaire incorporé et frein d'arrêt à ressort, en circuit hydraulique ouvert ou fermé et régulé.
Mécanisme de relevage	1 vérin différentiel à soupape pilotage de freinage.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.
Cabine de grue	Résistante à la corrosion, visibilité panoramique, avec vitrage de sécurité.
Dispositif de sécurité	Contrôleur de charge LICCON3, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Flèche télescopique	1 élément de base et 4 éléments télescopiques. Tous les éléments télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Flèche télescopable sous contrepoids partiel. Longueur de flèche: 32 ft - 131 ft.
Contrepoids	19,840 lb
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts.

Equipment supplémentaire

K	Fléchette pliante simple, longueur 28 ft Double fléchette pliante 28 ft - 49 ft Réglage mécanique à 0°, 20°, 40°
K	Fléchette de montage 6 ft 3 in Réglage mécanique 0° ; 25° ; 50°
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Contrepoids additionnel	4,410 lb pour un contrepoids total de 24,250 lb.
Freins	Frein Telma
Pneumatiques	6 roues. Taille: 525/80 R 25 (20.5 R 25).
Autres équipements supplémentaires sur demande.	

Description of symbols

Explication des symboles



Max. capacity
Capacité max.



Max. supporting forces
Forces d'appui max.



Standard
Norme



Max. hoist height
Hauteur de levage max.



Outriggers front
Calage avant



Radius
Portée



Max. radius
Portée max.



Outriggers rear
Calage arrière



Telescopic boom
Flèche télescopique



Axle load
Charge par essieu



Crane superstructure
Partie tournante de la grue



Swing away jib
Flèche pliante



Tyres
Pneumatiques



infinitely variable
en continu



Assembly jib
Flèche de montage



Hookblock/Capacity
Moufle à crochet/Capacité de charge



Rope diameter
Diamètre



No. of sheaves
Poulies



Rope length
Longueur du câble



No. of lines
Brins



Max. single line pull
Effort au brin maxi.



Weight
Poids



Hoist gear
Treuil de levage



Crane carrier
Châssis porteur



Slewing speeds
Vitesses d'orientation



Driving speed
Vitesse de translation



Boom length
Longueur de la flèche



Gradability
Aptitude à gravir les pentes



Boom position
Position de la flèche



Transmission
Boîte de vitesse



Counterweight
Contrepoids



Gear
Vitesse



Outriggers
Calage



Onroad gear
Vitesse de route



Slewing gear / Working area
Mécanisme d'orientation / Plage de travail



Crawl speed
Marche lente

Remarks

1.	The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2.	For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3.	The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4.	Lifting capacities are given in kip.
5.	The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6.	Working radii are measured from the slewing center.
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 57.1 kip/78.5 kip only with additional pulley block/special equipment.
11.	The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.
12.	The illustrations in this brochure may feature accessories and special equipment not included in the standard scope of delivery.

Remarques

1.	La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2.	Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)(s) sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3.	Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4.	Les charges sont indiquées 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 57,1 kip/78,5 kip seulement avec moufle additionnel/equipement supplémentaire.
11.	Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.
12.	Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

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Planning

Crane Finder



Operations

Performance



Planning

Crane Planner 2.0



Operations

Documents



Maintenance

Spare Parts Catalogue



Planning

LICCON Work Planner



Training

Digital Crane Operator



Maintenance

Parts Shop

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

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Liebherr-Werk Ehingen GmbH · Postfach 1361 · 89582 Ehingen, Germany
Phone +49 73 91 5 02-0 · www.liebherr.com

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